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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	Q2056	**OrderDate:**	5/15/2025 1:12:00 PM
Client:	G Environmental	**Project:**	Dover
Contact:	Gary Landis	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2056-01	**GVD11**	**SOIL**			**05/15/25**			**05/15/25**
			VOCMS Group1	8260D			05/19/25	
Q2056-02	**GVD12**	**SOIL**			**05/15/25**			**05/15/25**
			VOCMS Group1	8260D			05/20/25	
Q2056-03	**GVD13**	**SOIL**			**05/15/25**			**05/15/25**
			VOCMS Group1	8260D			05/20/25	
Q2056-04	**GVD14**	**SOIL**			**05/15/25**			**05/15/25**
			VOCMS Group1	8260D			05/20/25	
Q2056-05	**GVD15**	**SOIL**			**05/15/25**			**05/15/25**
			VOCMS Group1	8260D			05/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2056

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**GVD11**									
Q2056-01	GVD11	SOIL	Toluene		1.50		J	0.73	4.70	ug/Kg
Q2056-01	GVD11	SOIL	m/p-Xylenes		1.30		J	1.20	9.40	ug/Kg
			Total Voc :			2.80				
			Total Concentration:			2.80				
Client ID:	**GVD12**									
Q2056-02	GVD12	SOIL	m/p-Xylenes		1.30		J	0.99	8.00	ug/Kg
			Total Voc :			1.30				
			Total Concentration:			1.30				
Client ID:	**GVD13**									
Q2056-03	GVD13	SOIL	Acetone		6.30		J	3.40	18.2	ug/Kg
			Total Voc :			6.30				
			Total Concentration:			6.30				
Client ID:	**GVD14**									
Q2056-04	GVD14	SOIL	unknown1.812	*	15.7		J	0	0	ug/Kg
			Total Tics :			15.7				
			Total Concentration:			15.7				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2056

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2056-01	GVD11	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	49.2	98	70	134
		Toluene-d8	50	47.9	96	74	123
		4-Bromofluorobenzene	50	35.0	70	38	136
Q2056-02	GVD12	1,2-Dichloroethane-d4	50	45.2	90	63	155
		Dibromofluoromethane	50	48.6	97	70	134
		Toluene-d8	50	48.3	97	74	123
		4-Bromofluorobenzene	50	37.4	75	38	136
Q2056-03	GVD13	1,2-Dichloroethane-d4	50	47.5	95	63	155
		Dibromofluoromethane	50	48.8	98	70	134
		Toluene-d8	50	48.6	97	74	123
		4-Bromofluorobenzene	50	36.8	74	38	136
Q2056-04	GVD14	1,2-Dichloroethane-d4	50	49.3	99	63	155
		Dibromofluoromethane	50	50.4	101	70	134
		Toluene-d8	50	49.2	98	74	123
		4-Bromofluorobenzene	50	37.0	74	38	136
Q2056-05	GVD15	1,2-Dichloroethane-d4	50	48.5	97	63	155
		Dibromofluoromethane	50	51.2	102	70	134
		Toluene-d8	50	47.1	94	74	123
		4-Bromofluorobenzene	50	27.8	56	38	136
VY0519SBL01	VY0519SBL01	1,2-Dichloroethane-d4	50	41.1	82	63	155
		Dibromofluoromethane	50	47.5	95	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	37.7	75	38	136
VY0519SBS01	VY0519SBS01	1,2-Dichloroethane-d4	50	51.3	103	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	51.1	102	74	123
		4-Bromofluorobenzene	50	48.5	97	38	136
VY0519SBSD01	VY0519SBSD01	1,2-Dichloroethane-d4	50	50.5	101	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	51.2	102	74	123
		4-Bromofluorobenzene	50	47.5	95	38	136
VY0520SBL01	VY0520SBL01	1,2-Dichloroethane-d4	50	45.7	91	63	155
		Dibromofluoromethane	50	48.4	97	70	134
		Toluene-d8	50	48.6	97	74	123
		4-Bromofluorobenzene	50	52.5	105	38	136
VY0520SBS01	VY0520SBS01	1,2-Dichloroethane-d4	50	52.8	106	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136
VY0521SBL01	VY0521SBL01	1,2-Dichloroethane-d4	50	42.6	85	63	155
		Dibromofluoromethane	50	48.1	96	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	50.3	101	38	136
VY0521SBS01	VY0521SBS01	1,2-Dichloroethane-d4	50	48.2	96	63	155
		Dibromofluoromethane	50	48.4	97	70	134
		Toluene-d8	50	47.9	96	74	123
		4-Bromofluorobenzene	50	45.4	91	38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2056

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022305.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0519SBS01	Chloromethane	20	26.6	ug/Kg	133		*	70	130	
	Vinyl chloride	20	26.8	ug/Kg	134		*	72	129	
	Bromomethane	20	32.0	ug/Kg	160		*	58	141	
	Chloroethane	20	29.0	ug/Kg	145		*	69	130	
	Tert butyl alcohol	100	97.3	ug/Kg	97			24	175	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	88.8	ug/Kg	89			60	131	
	Carbon disulfide	20	20.8	ug/Kg	104			45	154	
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103			77	129	
	Methylene Chloride	20	18.7	ug/Kg	94			56	174	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	2-Butanone	100	90.9	ug/Kg	91			69	131	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Benzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	95.8	ug/Kg	96			70	135	
	Toluene	20	19.9	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			82	125	
	2-Hexanone	100	92.6	ug/Kg	93			66	138	
	Dibromochloromethane	20	20.3	ug/Kg	102			79	125	
	Tetrachloroethene	20	20.4	ug/Kg	102			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	40.0	ug/Kg	100			83	124	
	o-Xylene	20	19.6	ug/Kg	98			83	123	
	Styrene	20	19.6	ug/Kg	98			82	124	
	Bromoform	20	19.7	ug/Kg	99			75	127	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/Kg	102			77	127	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2056

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022306.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0519SBSD01	Chloromethane	20	26.7	ug/Kg	134	1	*	70	130	20
	Vinyl chloride	20	27.0	ug/Kg	135	1	*	72	129	20
	Bromomethane	20	32.1	ug/Kg	160	0	*	58	141	20
	Chloroethane	20	29.6	ug/Kg	148	2	*	69	130	20
	Tert butyl alcohol	100	95.3	ug/Kg	95	2		24	175	20
	1,1-Dichloroethene	20	21.7	ug/Kg	109	5		79	121	20
	Acetone	100	83.4	ug/Kg	83	7		60	131	20
	Carbon disulfide	20	21.2	ug/Kg	106	2		45	154	20
	Methyl tert-butyl Ether	20	20.8	ug/Kg	104	1		77	129	20
	Methylene Chloride	20	19.6	ug/Kg	98	4		56	174	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	4		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	2		82	123	20
	2-Butanone	100	92.1	ug/Kg	92	1		69	131	20
	Carbon Tetrachloride	20	20.6	ug/Kg	103	1		76	129	20
	cis-1,2-Dichloroethene	20	21.1	ug/Kg	106	3		82	123	20
	Chloroform	20	21.5	ug/Kg	108	4		82	125	20
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	1		80	126	20
	Benzene	20	20.7	ug/Kg	104	3		84	121	20
	1,2-Dichloroethane	20	20.2	ug/Kg	101	1		81	126	20
	Trichloroethene	20	20.7	ug/Kg	104	2		83	122	20
	1,2-Dichloropropane	20	20.2	ug/Kg	101	2		83	122	20
	Bromodichloromethane	20	20.5	ug/Kg	103	1		82	123	20
	4-Methyl-2-Pentanone	100	94.3	ug/Kg	94	2		70	135	20
	Toluene	20	20.2	ug/Kg	101	1		83	122	20
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98	1		78	124	20
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102	1		81	122	20
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104	1		82	125	20
	2-Hexanone	100	92.4	ug/Kg	92	1		66	138	20
	Dibromochloromethane	20	19.9	ug/Kg	100	2		79	125	20
	Tetrachloroethene	20	20.3	ug/Kg	102	0		83	125	20
	Chlorobenzene	20	20.5	ug/Kg	103	1		84	122	20
	Ethyl Benzene	20	19.9	ug/Kg	100	1		82	124	20
	m/p-Xylenes	40	40.0	ug/Kg	100	0		83	124	20
	o-Xylene	20	20.0	ug/Kg	100	2		83	123	20
	Styrene	20	19.9	ug/Kg	100	2		82	124	20
	Bromoform	20	19.8	ug/Kg	99	0		75	127	20
	1,1,2,2-Tetrachloroethane	20	21.2	ug/Kg	106	4		77	127	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2056

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0520SBS01	Chloromethane	20	29.7	ug/Kg	149		*	70	130	
	Vinyl chloride	20	30.5	ug/Kg	153		*	72	129	
	Bromomethane	20	37.9	ug/Kg	190		*	58	141	
	Chloroethane	20	35.1	ug/Kg	175		*	69	130	
	Tert butyl alcohol	100	110	ug/Kg	110			24	175	
	1,1-Dichloroethene	20	22.1	ug/Kg	111			79	121	
	Acetone	100	100	ug/Kg	100			60	131	
	Carbon disulfide	20	21.4	ug/Kg	107			45	154	
	Methyl tert-butyl Ether	20	22.0	ug/Kg	110			77	129	
	Methylene Chloride	20	20.1	ug/Kg	101			56	174	
	trans-1,2-Dichloroethene	20	21.6	ug/Kg	108			80	123	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			82	123	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			76	129	
	cis-1,2-Dichloroethene	20	21.7	ug/Kg	109			82	123	
	Chloroform	20	22.3	ug/Kg	112			82	125	
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108			80	126	
	Benzene	20	20.8	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	21.3	ug/Kg	106			81	126	
	Trichloroethene	20	20.6	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	20.4	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.9	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	20.0	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	97.7	ug/Kg	98			66	138	
	Dibromochloromethane	20	20.4	ug/Kg	102			79	125	
	Tetrachloroethene	20	21.6	ug/Kg	108			83	125	
	Chlorobenzene	20	20.5	ug/Kg	103			84	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	20.2	ug/Kg	101			83	123	
	Styrene	20	19.7	ug/Kg	99			82	124	
	Bromoform	20	20.7	ug/Kg	104			75	127	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			77	127	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2056

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY022356.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0521SBS01	Chloromethane	20	26.9	ug/Kg	135		*	70	130	
	Vinyl chloride	20	27.4	ug/Kg	137		*	72	129	
	Bromomethane	20	37.2	ug/Kg	186		*	58	141	
	Chloroethane	20	32.9	ug/Kg	165		*	69	130	
	Tert butyl alcohol	100	100	ug/Kg	100			24	175	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			79	121	
	Acetone	100	94.0	ug/Kg	94			60	131	
	Carbon disulfide	20	20.3	ug/Kg	102			45	154	
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106			77	129	
	Methylene Chloride	20	19.5	ug/Kg	98			56	174	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	2-Butanone	100	96.3	ug/Kg	96			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			82	123	
	Chloroform	20	20.8	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			80	126	
	Benzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			83	122	
	Bromodichloromethane	20	20.3	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	96.4	ug/Kg	96			70	135	
	Toluene	20	19.9	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	2-Hexanone	100	95.9	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.7	ug/Kg	104			79	125	
	Tetrachloroethene	20	20.4	ug/Kg	102			83	125	
	Chlorobenzene	20	20.2	ug/Kg	101			84	122	
	Ethyl Benzene	20	19.3	ug/Kg	97			82	124	
	m/p-Xylenes	40	38.7	ug/Kg	97			83	124	
	o-Xylene	20	19.4	ug/Kg	97			83	123	
	Styrene	20	19.1	ug/Kg	96			82	124	
	Bromoform	20	19.3	ug/Kg	97			75	127	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/Kg	104			77	127	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0519SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022304.D Lab Sample ID: VY0519SBL01

Date Analyzed: 05/19/2025 Time Analyzed: 09:00

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0519SBS01	VY0519SBS01	VY022305.D	05/19/2025
VY0519SBSD01	VY0519SBSD01	VY022306.D	05/19/2025
GVD11	Q2056-01	VY022326.D	05/19/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0520SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022330.D Lab Sample ID: VY0520SBL01

Date Analyzed: 05/20/2025 Time Analyzed: 09:48

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0520SBS01	VY0520SBS01	VY022331.D	05/20/2025
GVD12	Q2056-02	VY022336.D	05/20/2025
GVD13	Q2056-03	VY022337.D	05/20/2025
GVD14	Q2056-04	VY022338.D	05/20/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0521SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022355.D Lab Sample ID: VY0521SBL01

Date Analyzed: 05/21/2025 Time Analyzed: 10:05

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0521SBS01	VY0521SBS01	VY022356.D	05/21/2025
GVD15	Q2056-05	VY022358.D	05/21/2025

COMMENTS:

Raw Data: **VY022252.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022252.D BFB Injection Date: 05/15/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47

Raw Data: **VY022302.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022302.D BFB Injection Date: 05/19/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:57

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	83.6
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	80.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022303.D	05/19/2025	08:27
VY0519SBL01	VY0519SBL01	VY022304.D	05/19/2025	09:00
VY0519SBS01	VY0519SBS01	VY022305.D	05/19/2025	09:36
VY0519SBSD01	VY0519SBSD01	VY022306.D	05/19/2025	09:59
GVD11	Q2056-01	VY022326.D	05/19/2025	18:06

Raw Data: **VY022328.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022328.D BFB Injection Date: 05/20/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:09

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 60.0% of mass 95	58.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	80.3 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022329.D	05/20/2025	08:40
VY0520SBL01	VY0520SBL01	VY022330.D	05/20/2025	09:48
VY0520SBS01	VY0520SBS01	VY022331.D	05/20/2025	10:21
GVD12	Q2056-02	VY022336.D	05/20/2025	12:38
GVD13	Q2056-03	VY022337.D	05/20/2025	13:01
GVD14	Q2056-04	VY022338.D	05/20/2025	13:25

Raw Data: **VY022353.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022353.D BFB Injection Date: 05/21/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:02

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	59.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	85
175	5.0 - 9.0% of mass 174	6.2 (7.3) 1
176	95.0 - 101.0% of mass 174	81.3 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022354.D	05/21/2025	09:33
VY0521SBL01	VY0521SBL01	VY022355.D	05/21/2025	10:05
VY0521SBS01	VY0521SBS01	VY022356.D	05/21/2025	10:35
GVD15	Q2056-05	VY022358.D	05/21/2025	11:37

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022303.D Date Analyzed: 05/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	226750	7.71	371882	8.62	313200	11.41
UPPER LIMIT	453500	8.207	743764	9.116	626400	11.914
LOWER LIMIT	113375	7.207	185941	8.116	156600	10.914
EPA SAMPLE NO.						
GVD11	223481	7.71	406573	8.61	303031	11.41
VY0519SBL01	331048	7.71	571469	8.62	438659	11.42
VY0519SBS01	200360	7.71	338060	8.62	283142	11.42
VY0519SBSD01	194565	7.71	331521	8.62	276940	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022303.D Date Analyzed: 05/19/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:27

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	144499	13.346				
UPPER LIMIT	288998	13.846				
LOWER LIMIT	72249.5	12.846				
EPA SAMPLE NO.						
GVD11	89910	13.35				
VY0519SBL01	158015	13.35				
VY0519SBS01	133674	13.35				
VY0519SBSD01	128146	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022329.D Date Analyzed: 05/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	180374	7.71	298369	8.62	252391	11.41
UPPER LIMIT	360748	8.207	596738	9.116	504782	11.914
LOWER LIMIT	90187	7.207	149185	8.116	126196	10.914
EPA SAMPLE NO.						
GVD12	269526	7.71	481628	8.62	373395	11.41
GVD13	244549	7.71	431792	8.62	328152	11.41
GVD14	240752	7.71	423261	8.62	327850	11.41
VY0520SBL01	253729	7.71	453295	8.62	355808	11.42
VY0520SBS01	162404	7.71	280923	8.62	236555	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022329.D Date Analyzed: 05/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	120747	13.346				
UPPER LIMIT	241494	13.846				
LOWER LIMIT	60373.5	12.846				
EPA SAMPLE NO.						
GVD12	128914	13.35				
GVD13	107238	13.35				
GVD14	112421	13.35				
VY0520SBL01	124571	13.35				
VY0520SBS01	111469	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022354.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	174007	7.71	289031	8.62	248227	11.42
UPPER LIMIT	348014	8.213	578062	9.116	496454	11.92
LOWER LIMIT	87003.5	7.213	144516	8.116	124114	10.92
EPA SAMPLE NO.						
GVD15	236757	7.71	411751	8.62	277651	11.42
VY0521SBL01	261806	7.71	457379	8.62	349876	11.42
VY0521SBS01	164670	7.71	280143	8.62	238357	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG NO.: Q2056

Lab File ID: VY022354.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	116710	13.353				
UPPER LIMIT	233420	13.853				
LOWER LIMIT	58355	12.853				
EPA SAMPLE NO.						
GVD15	64045	13.35				
VY0521SBL01	119412	13.35				
VY0521SBS01	110395	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VY022326.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD11	SDG No.:	Q2056
Lab Sample ID:	Q2056-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	96.1
Sample Wt/Vol:	5.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022326.D	1		05/19/25 18:06	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	UQ	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.74	UQ	0.74	4.70	ug/Kg
74-83-9	Bromomethane	1.00	UQ	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	UQ	1.20	4.70	ug/Kg
75-65-0	Tert butyl alcohol	12.8	U	12.8	23.4	ug/Kg
75-35-4	1,1-Dichloroethene	0.94	U	0.94	4.70	ug/Kg
67-64-1	Acetone	4.40	U	4.40	23.4	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.70	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
71-43-2	Benzene	0.74	U	0.74	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.74	U	0.74	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.85	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.4	ug/Kg
108-88-3	Toluene	1.50	J	0.73	4.70	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.4	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	4.70	ug/Kg

Raw Data: **VY022326.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD11	SDG No.:	Q2056
Lab Sample ID:	Q2056-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	96.1
Sample Wt/Vol:	5.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022326.D	1		05/19/25 18:06	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.85	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.30	J	1.20	9.40	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.70	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.0		38 - 136	70%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	407000	8.61			
3114-55-4	Chlorobenzene-d5	303000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	89900	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022326.D
Acq On : 19 May 2025 18:06
Operator : SY/MD
Sample : Q2056-01
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Quant Time: May 20 01:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

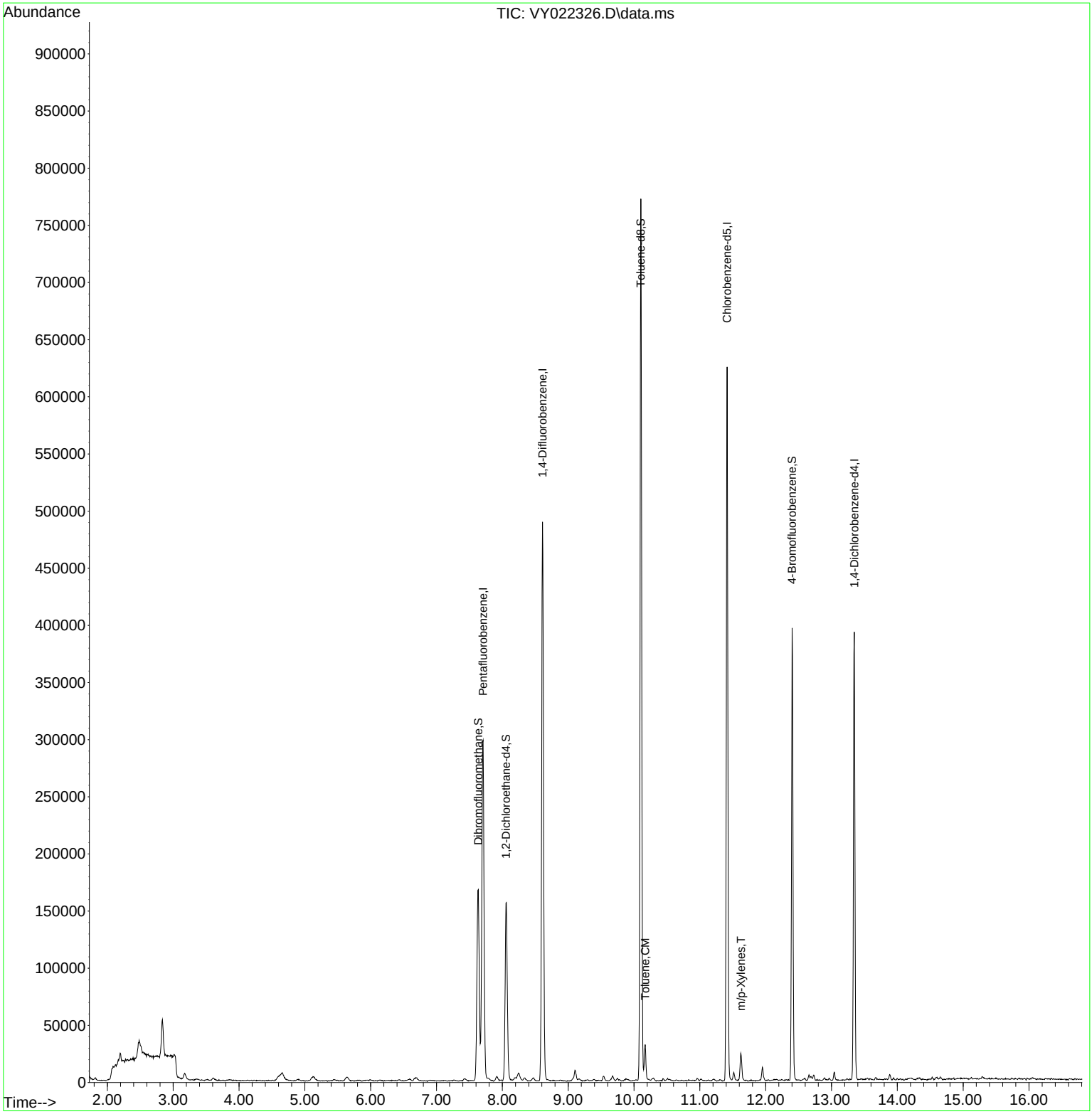
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	223481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	406573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	303031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	89910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	118272	48.424	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.840%		
35) Dibromofluoromethane	7.634	113	119461	49.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.460%		
50) Toluene-d8	10.103	98	475704	47.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.720%		
62) 4-Bromofluorobenzene	12.402	95	110208	34.985	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.960%		
Target Compounds						Qvalue
52) Toluene	10.170	92	11893	1.585	ug/l	96
68) m/p-Xylenes	11.627	106	6737	1.396	ug/l	95

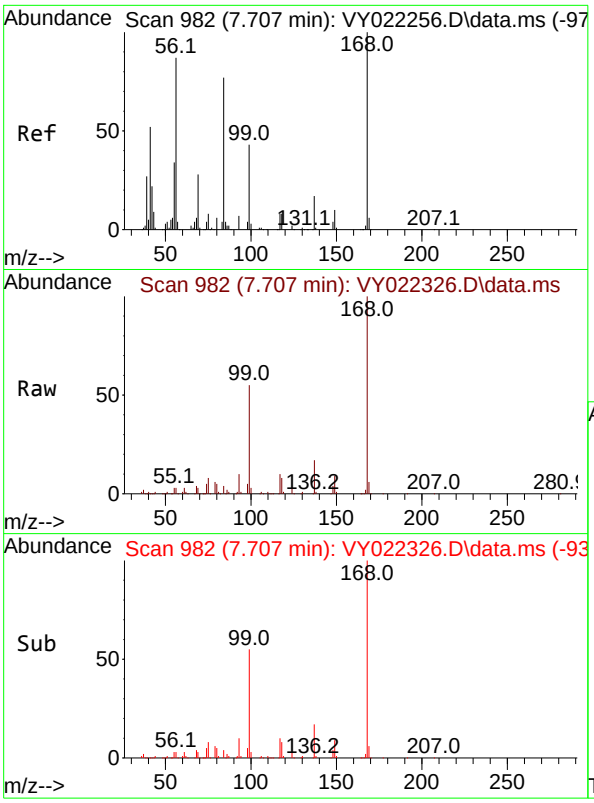
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022326.D
Acq On : 19 May 2025 18:06
Operator : SY/MD
Sample : Q2056-01
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Quant Time: May 20 01:17:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



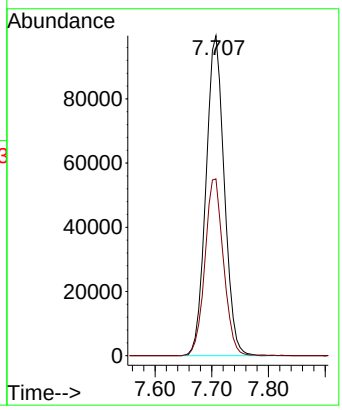


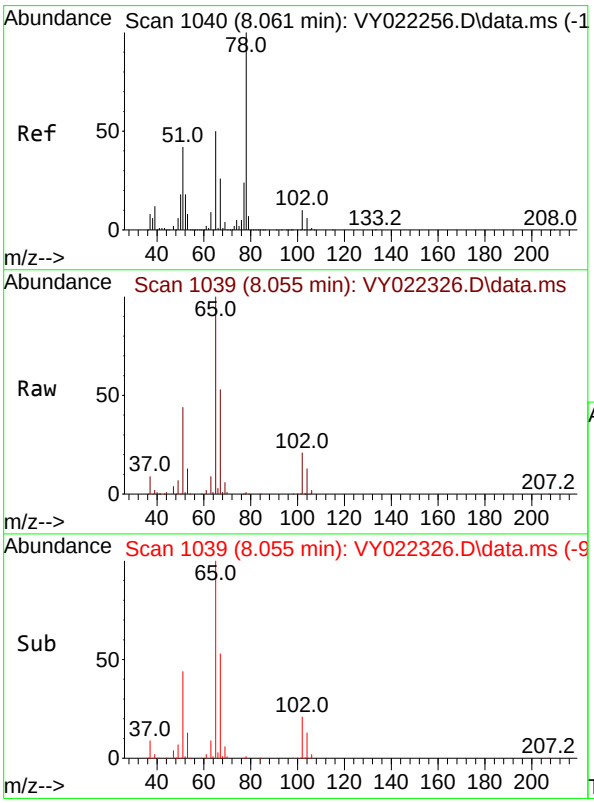
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Tgt Ion:168 Resp: 223481

Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.2	66.4

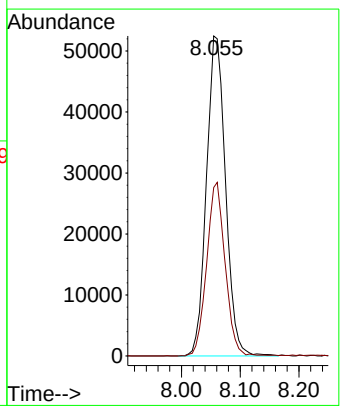


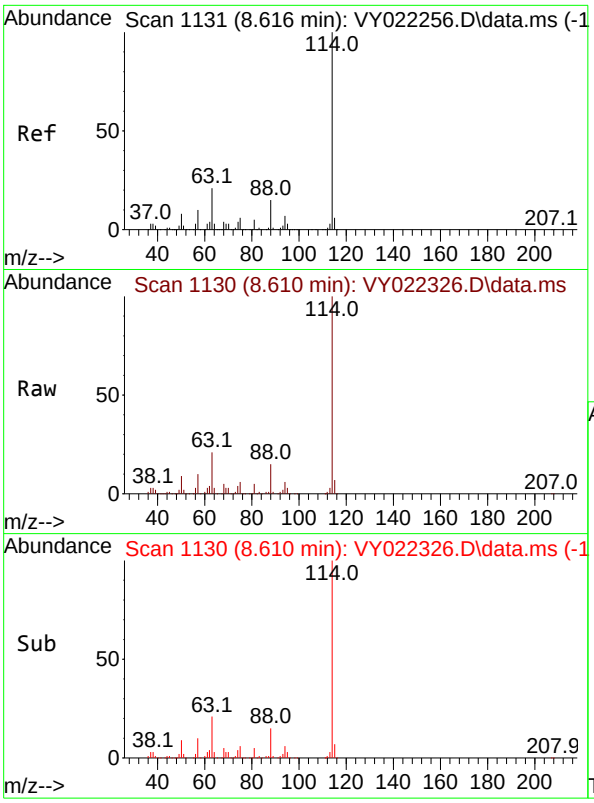


#33
1,2-Dichloroethane-d4
Concen: 48.424 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion: 65 Resp: 118272

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.6



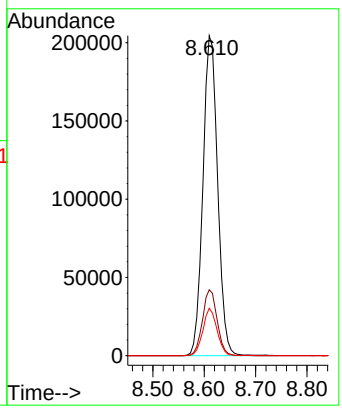


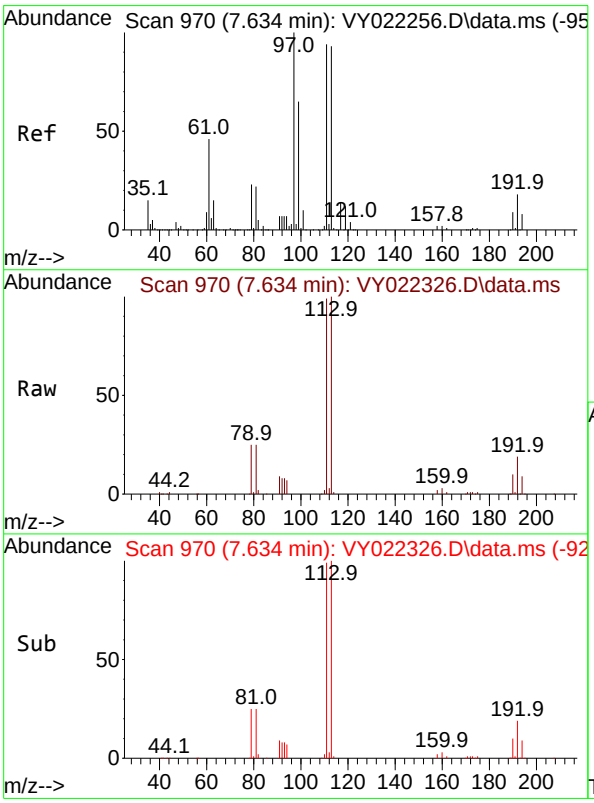
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Tgt Ion:114 Resp: 406573

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	14.8	0.0	29.4

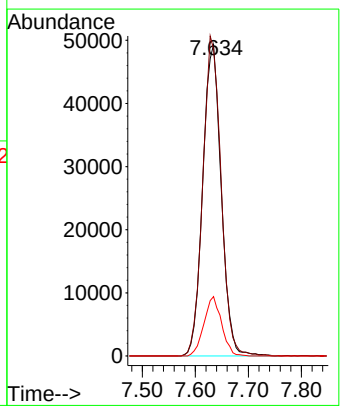


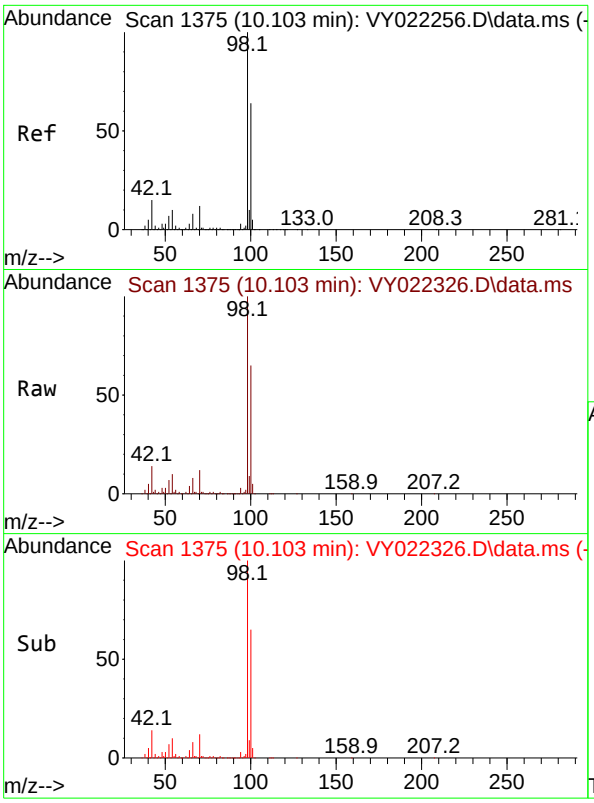


#35
Dibromofluoromethane
Concen: 49.228 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion:113 Resp: 119461

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	18.2	15.2	22.8



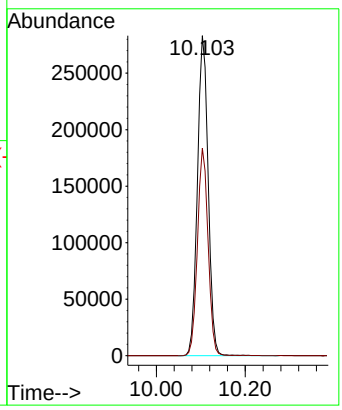


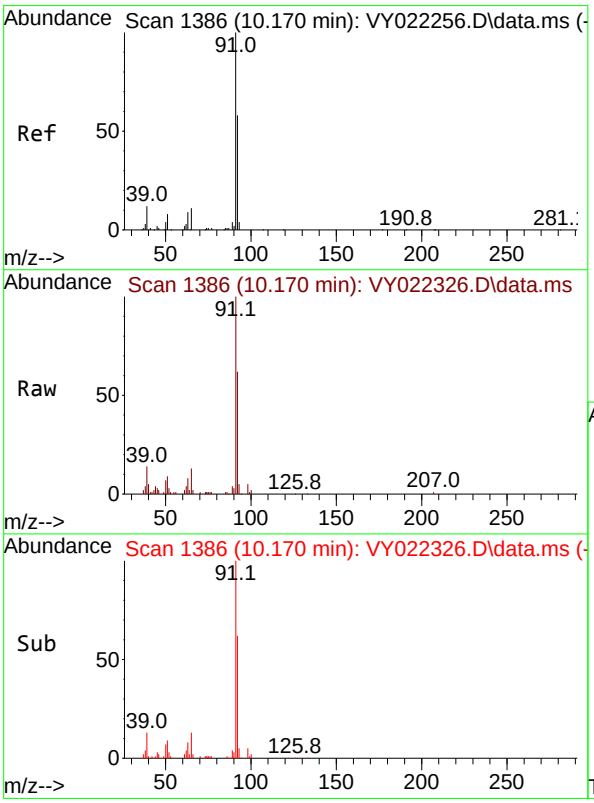
#50
Toluene-d8
Concen: 47.864 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Tgt Ion: 98 Resp: 475704

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8

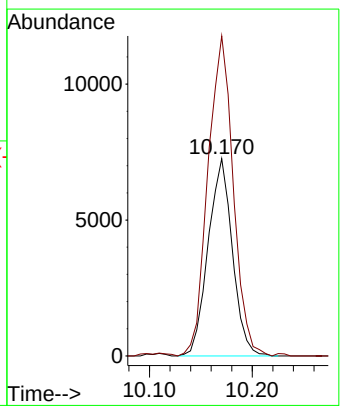


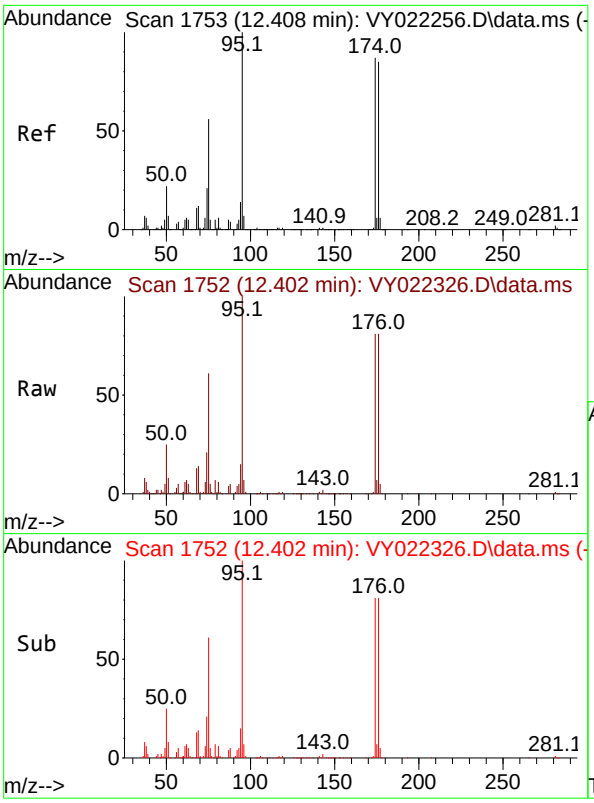


#52
Toluene
Concen: 1.585 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion: 92 Resp: 11893

Ion	Ratio	Lower	Upper
92	100		
91	168.9	139.1	208.7



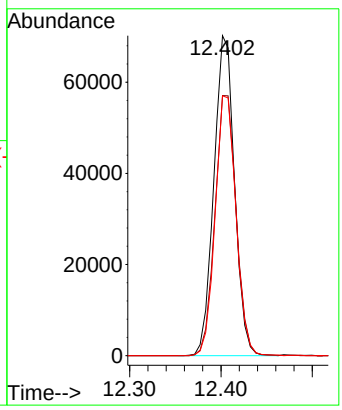


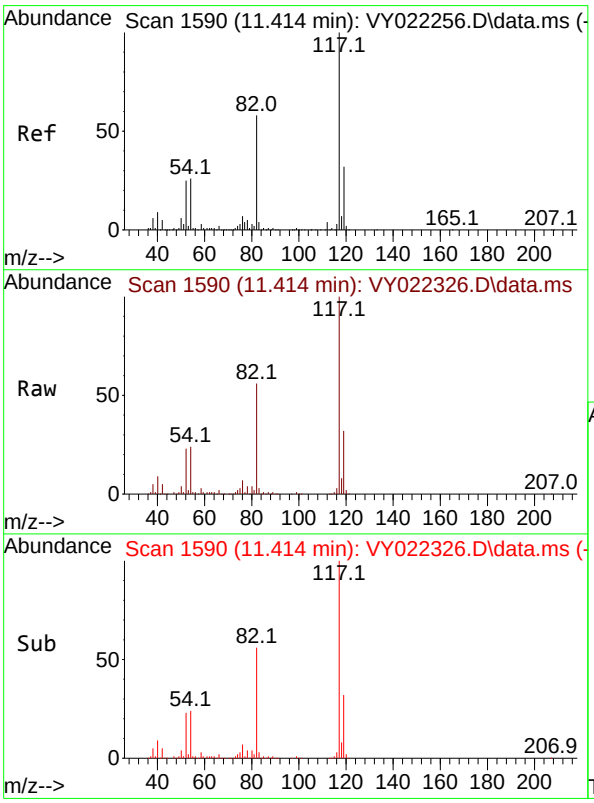
#62
4-Bromofluorobenzene
Concen: 34.985 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Tgt Ion: 95 Resp: 110208

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	166.8
176	81.8	0.0	160.8

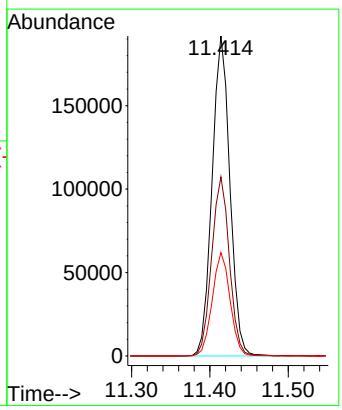


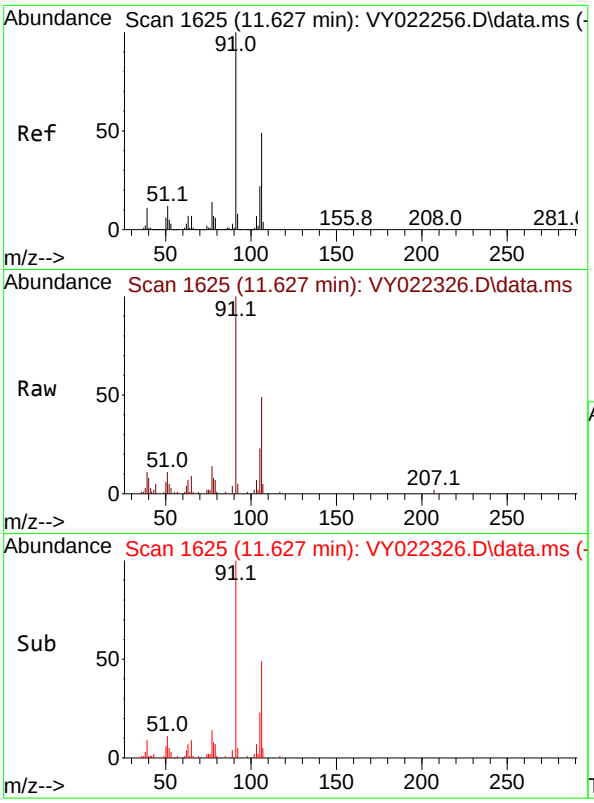


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion:117 Resp: 303031

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.6	70.0
119	32.3	25.8	38.6



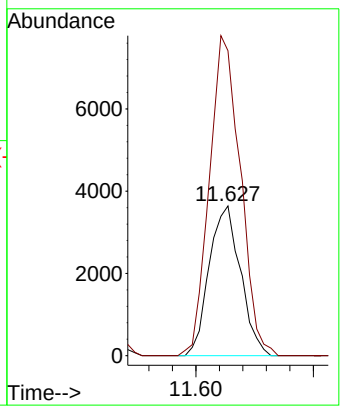


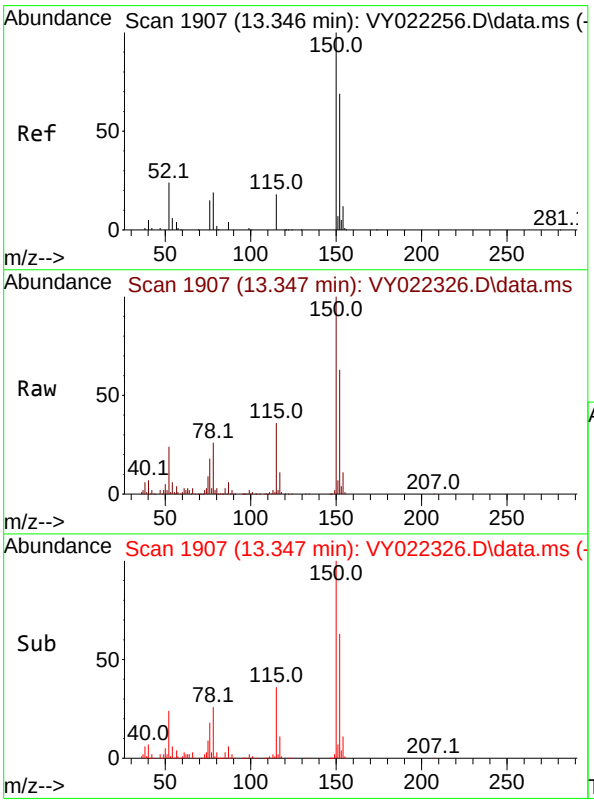
#68
m/p-Xylenes
Concen: 1.396 ug/l
RT: 11.627 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Tgt Ion:106 Resp: 6737

Ion	Ratio	Lower	Upper
106	100		
91	211.9	163.0	244.4

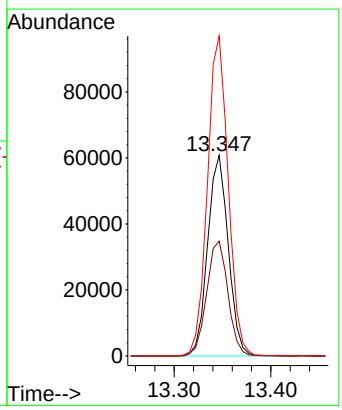




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022326.D
Acq: 19 May 2025 18:06

Tgt Ion:152 Resp: 89910

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.4	88.2
150	160.7	0.0	353.8



Sample Results: **VY022326.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022326.D
Acq On : 19 May 2025 18:06
Operator : SY/MD
Sample : Q2056-01
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022326.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.196	71	78	82	rBV3	9165	19081	1.47%	0.307%
2	2.483	119	125	133	rBV4	13843	42278	3.25%	0.680%
3	2.836	178	183	189	rVB	31182	61044	4.70%	0.982%
4	7.634	958	970	975	rBV	167208	406826	31.30%	6.542%
5	7.707	975	982	993	rVB	296091	683260	52.56%	10.987%
6	8.061	1030	1040	1052	rBV	156281	359347	27.64%	5.778%
7	8.244	1065	1070	1081	rVB3	6162	16481	1.27%	0.265%
8	8.610	1120	1130	1141	rBV	489160	967783	74.45%	15.562%
9	9.103	1201	1211	1218	rBV5	9512	23961	1.84%	0.385%
10	10.103	1367	1375	1382	rBV	771338	1299873	100.00%	20.902%
11	10.170	1382	1386	1393	rVB	30627	51150	3.93%	0.822%
12	11.414	1582	1590	1602	rBV	624774	995640	76.60%	16.010%
13	11.621	1618	1624	1634	rVV2	23762	45433	3.50%	0.731%
14	11.950	1672	1678	1687	rVB3	11788	21352	1.64%	0.343%
15	12.402	1746	1752	1764	rVB	395726	620931	47.77%	9.984%
16	13.347	1900	1907	1916	rVB	391932	604546	46.51%	9.721%

Sum of corrected areas: 6218986

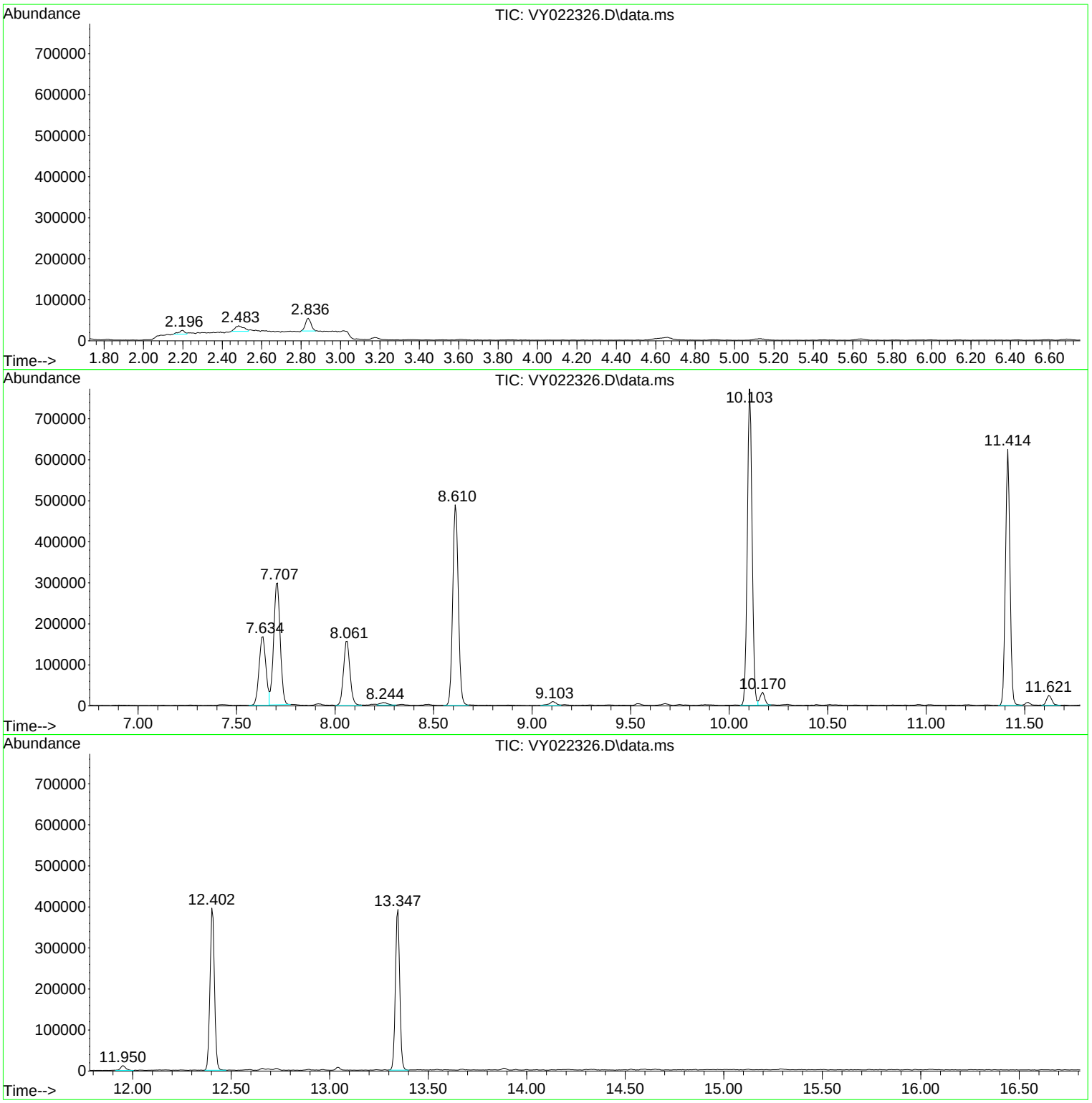
Sample Results: **VY022326.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022326.D
Acq On : 19 May 2025 18:06
Operator : SY/MD
Sample : Q2056-01
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022326.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022326.D
Acq On : 19 May 2025 18:06
Operator : SY/MD
Sample : Q2056-01
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022326.D
Acq On : 19 May 2025 18:06
Operator : SY/MD
Sample : Q2056-01
Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY022336.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD12	SDG No.:	Q2056
Lab Sample ID:	Q2056-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.9
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022336.D	1		05/20/25 12:38	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	0.91	UQ	0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	UQ	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.85	UQ	0.85	4.00	ug/Kg
75-00-3	Chloroethane	1.00	UQ	1.00	4.00	ug/Kg
75-65-0	Tert butyl alcohol	10.9	U	10.9	19.9	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	3.80	U	3.80	19.9	ug/Kg
75-15-0	Carbon Disulfide	0.85	U	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	19.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	19.9	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	U	0.73	4.00	ug/Kg
591-78-6	2-Hexanone	2.90	U	2.90	19.9	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg

Raw Data: **VY022336.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD12	SDG No.:	Q2056
Lab Sample ID:	Q2056-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.9
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022336.D	1		05/20/25 12:38	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.30	J	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.65	U	0.65	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		63 - 155	90%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.4		38 - 136	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	270000	7.707			
540-36-3	1,4-Difluorobenzene	482000	8.615			
3114-55-4	Chlorobenzene-d5	373000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	129000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022336.D
Acq On : 20 May 2025 12:38
Operator : SY/MD
Sample : Q2056-02
Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Quant Time: May 21 01:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

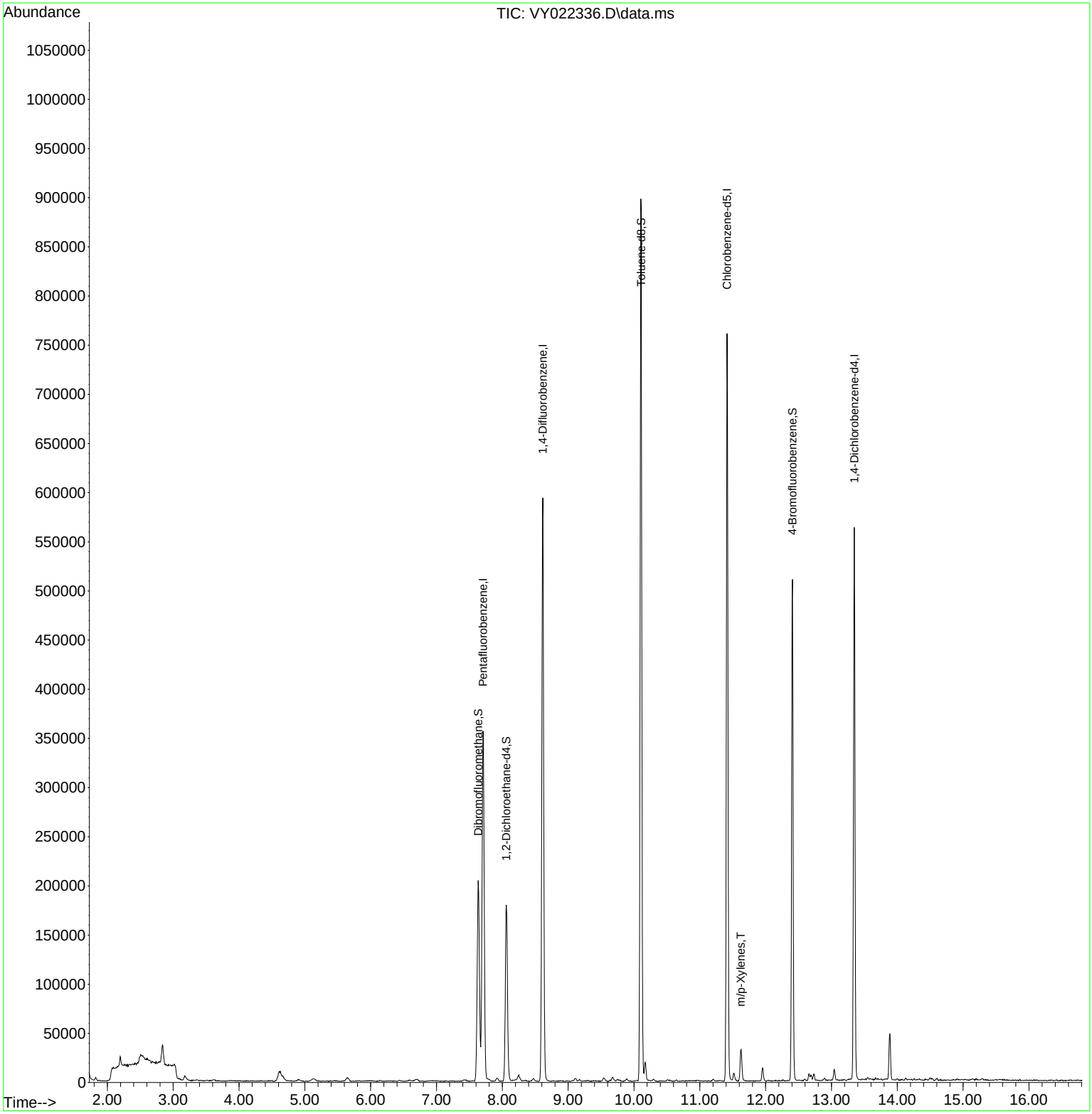
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	269526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	481628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	373395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133163	45.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.420%		
35) Dibromofluoromethane	7.634	113	139671	48.587	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.180%		
50) Toluene-d8	10.109	98	568849	48.317	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.407	95	139726	37.443	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.880%		
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	9725	1.636	ug/l	96

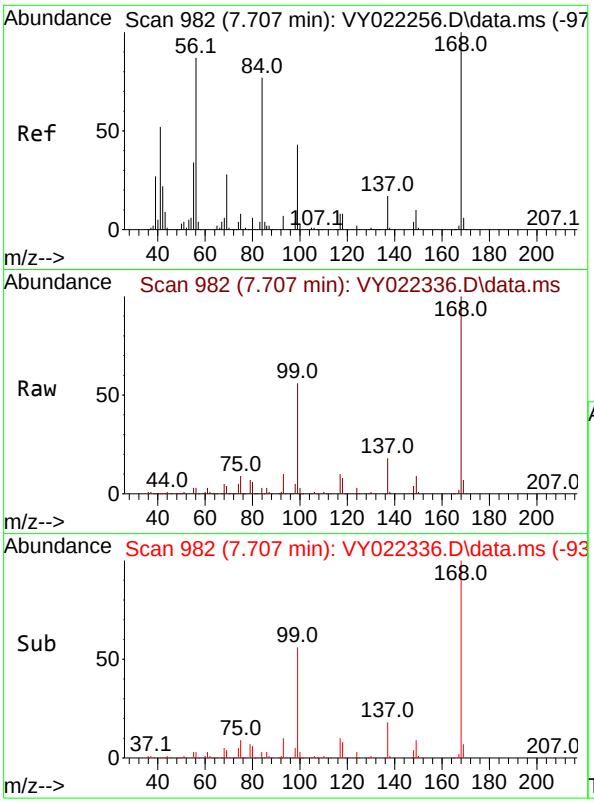
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022336.D
Acq On : 20 May 2025 12:38
Operator : SY/MD
Sample : Q2056-02
Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Quant Time: May 21 01:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



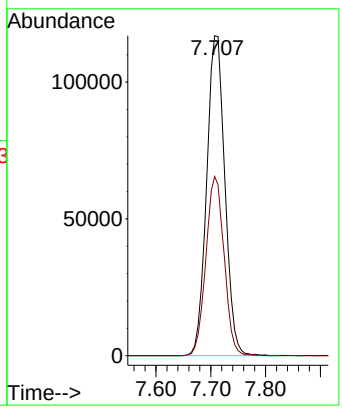


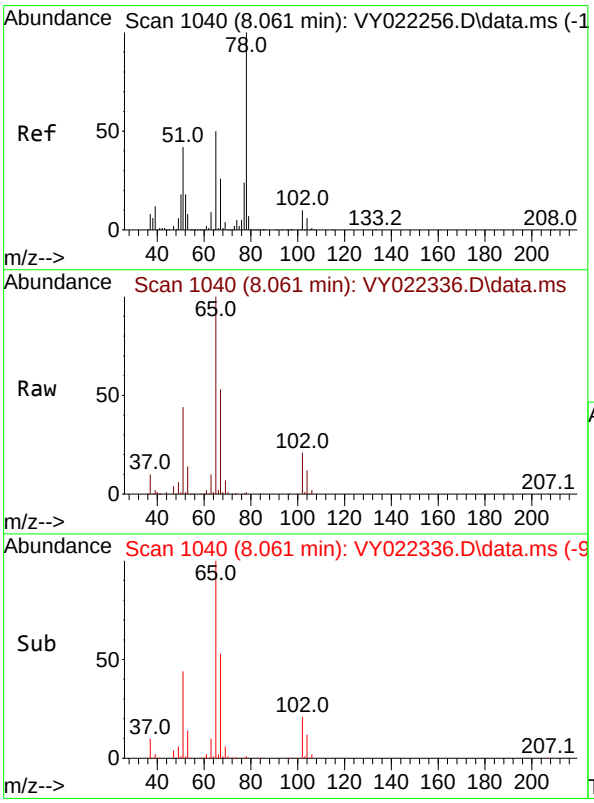
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Tgt Ion:168 Resp: 269526

Ion	Ratio	Lower	Upper
168	100		
99	56.0	44.2	66.4

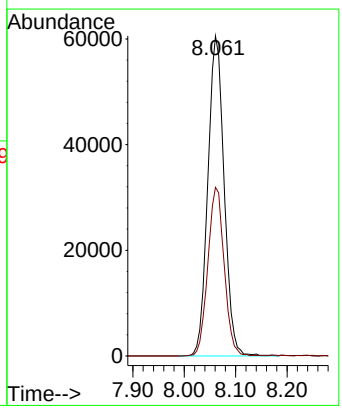


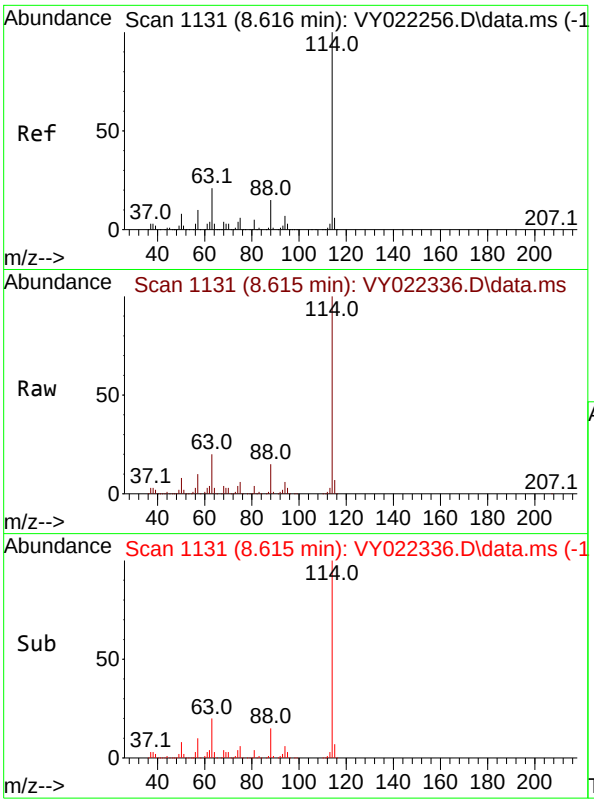


#33
1,2-Dichloroethane-d4
Concen: 45.206 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion: 65 Resp: 133163

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6



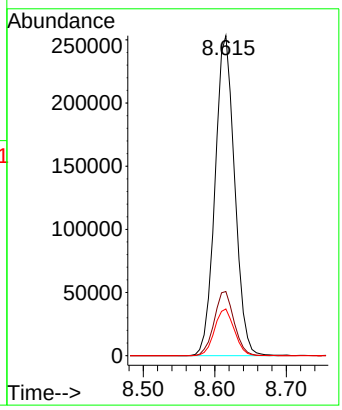


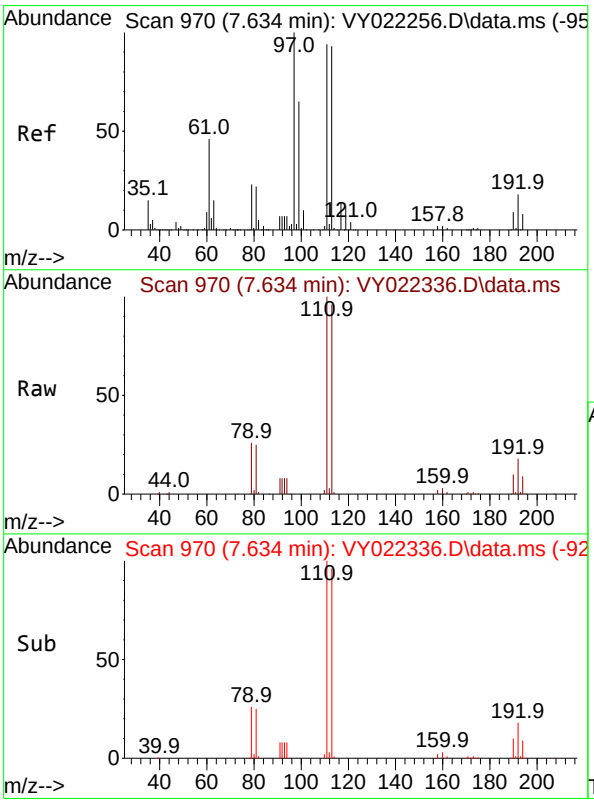
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Tgt Ion:114 Resp: 481628

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	41.0
88	14.6	0.0	29.4

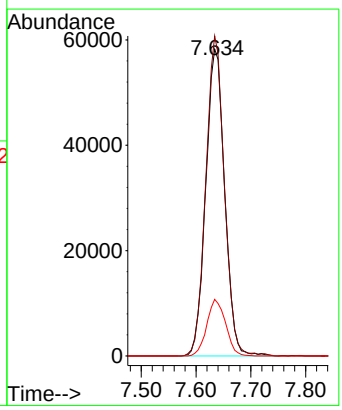


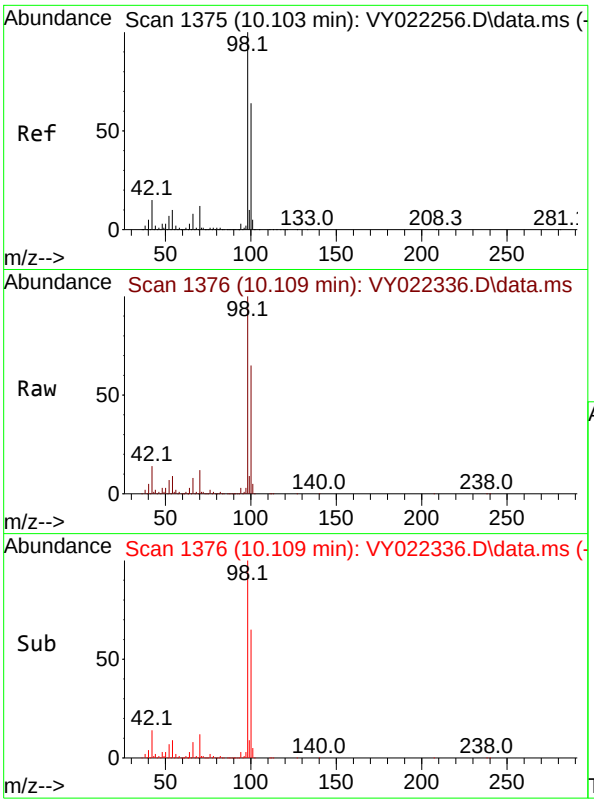


#35
Dibromofluoromethane
Concen: 48.587 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion:113 Resp: 139671

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.3	15.2	22.8



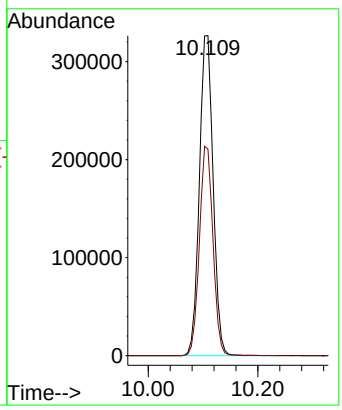


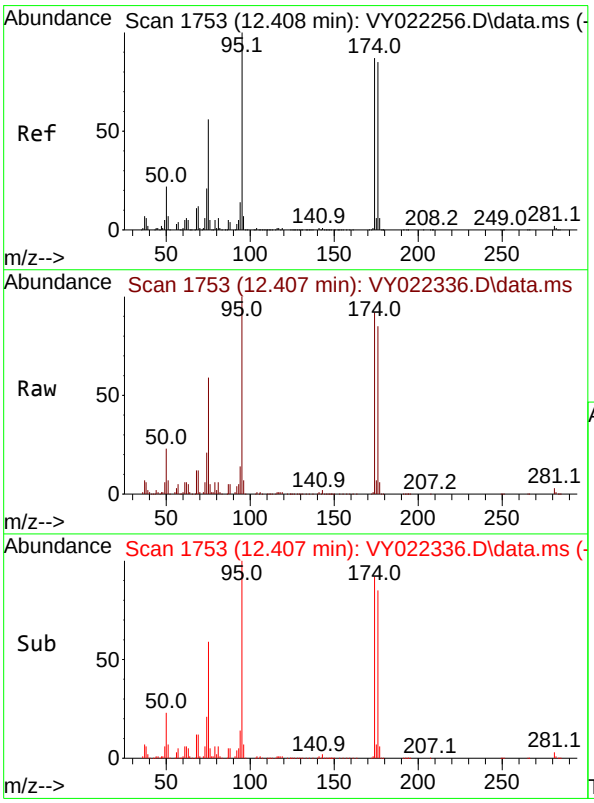
#50
Toluene-d8
Concen: 48.317 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Tgt Ion: 98 Resp: 568849

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

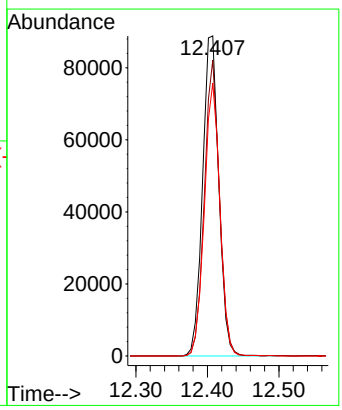


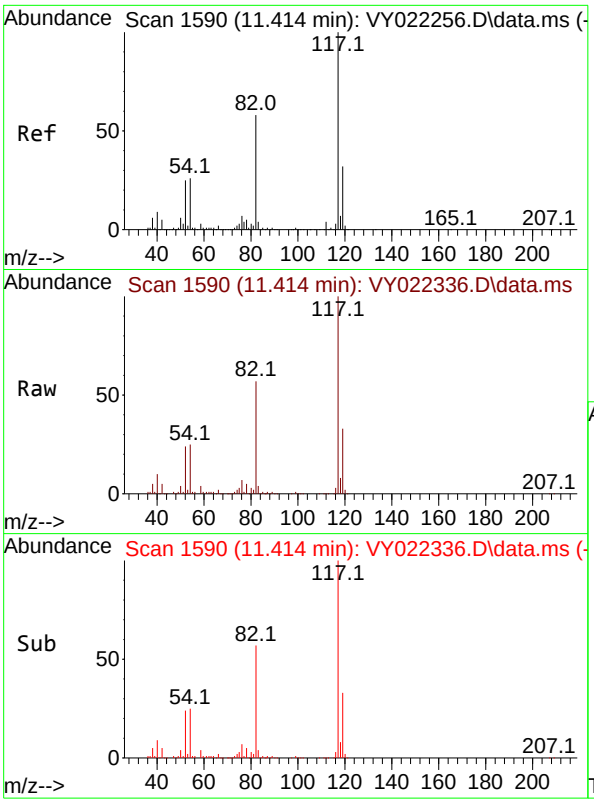


#62
4-Bromofluorobenzene
Concen: 37.443 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion: 95 Resp: 139726

Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	166.8
176	82.2	0.0	160.8



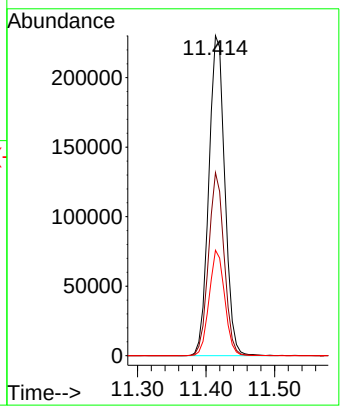


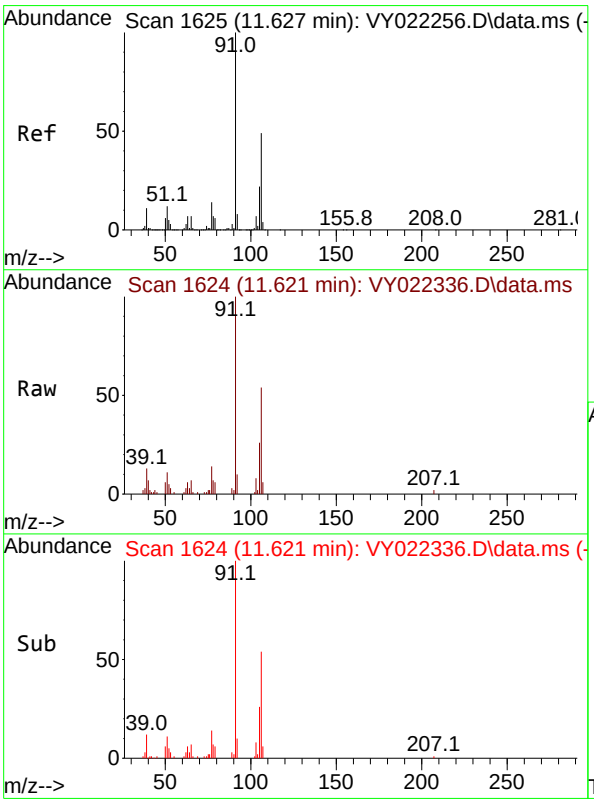
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Tgt Ion:117 Resp: 373395

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.6	70.0
119	32.9	25.8	38.6

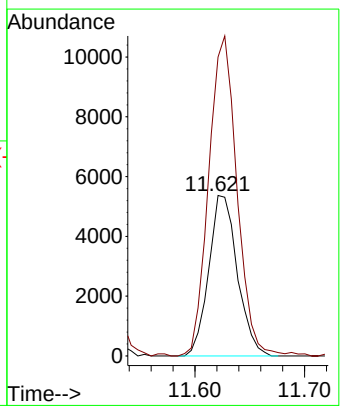


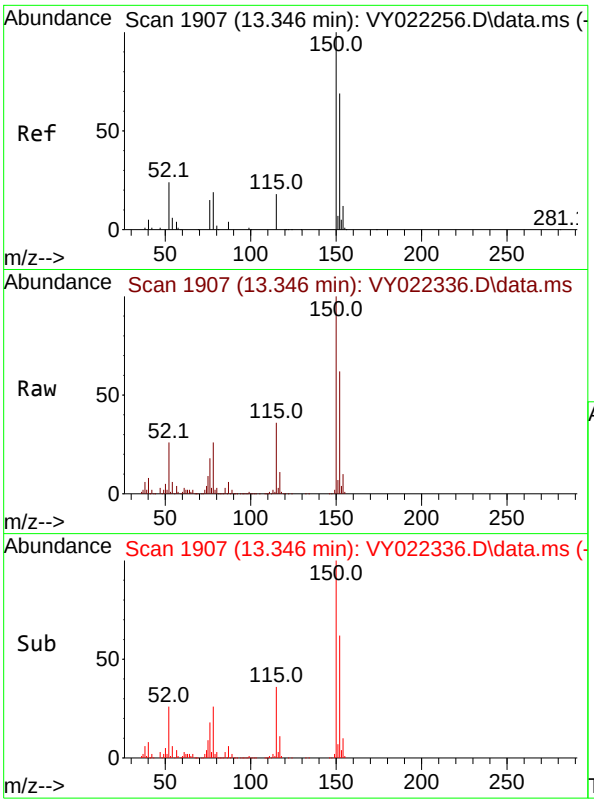


#68
m/p-Xylenes
Concen: 1.636 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Tgt Ion:106 Resp: 9725

Ion	Ratio	Lower	Upper
106	100		
91	198.0	163.0	244.4



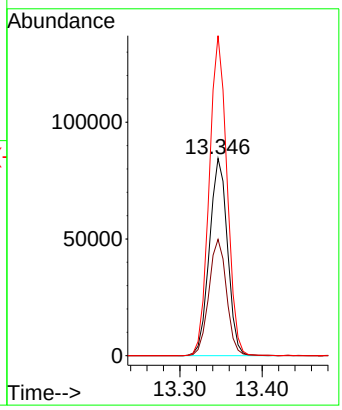


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022336.D
Acq: 20 May 2025 12:38

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Tgt Ion:152 Resp: 128914

Ion	Ratio	Lower	Upper
152	100		
115	57.8	29.4	88.2
150	159.3	0.0	353.8



Sample Results: **VY022336.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022336.D
Acq On : 20 May 2025 12:38
Operator : SY/MD
Sample : Q2056-02
Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022336.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	59	rBV4	12595	23165	1.49%	0.305%
2	2.836	178	183	190	rVB3	20222	42164	2.71%	0.555%
3	4.610	462	474	476	rBV4	10113	23797	1.53%	0.313%
4	7.634	961	970	976	rBV	204016	480992	30.96%	6.326%
5	7.707	976	982	992	rVB	354096	807955	52.00%	10.626%
6	8.061	1030	1040	1051	rBV	179545	409329	26.35%	5.383%
7	8.615	1120	1131	1143	rBV	593516	1146604	73.80%	15.080%
8	10.103	1368	1375	1383	rBV	897198	1553614	100.00%	20.432%
9	10.170	1383	1386	1393	rVB	18302	30344	1.95%	0.399%
10	11.414	1581	1590	1602	rBV	760628	1227515	79.01%	16.144%
11	11.517	1602	1607	1617	rVB	8127	15838	1.02%	0.208%
12	11.627	1619	1625	1636	rVV	31899	61191	3.94%	0.805%
13	11.956	1671	1679	1687	rVB2	13629	25061	1.61%	0.330%
14	12.407	1744	1753	1764	rBV	509871	804969	51.81%	10.587%
15	13.042	1851	1857	1863	rBV3	10771	17081	1.10%	0.225%
16	13.346	1899	1907	1919	rVB	561667	854116	54.98%	11.233%
17	13.883	1990	1995	2002	rVB2	46640	79966	5.15%	1.052%

Sum of corrected areas: 7603701

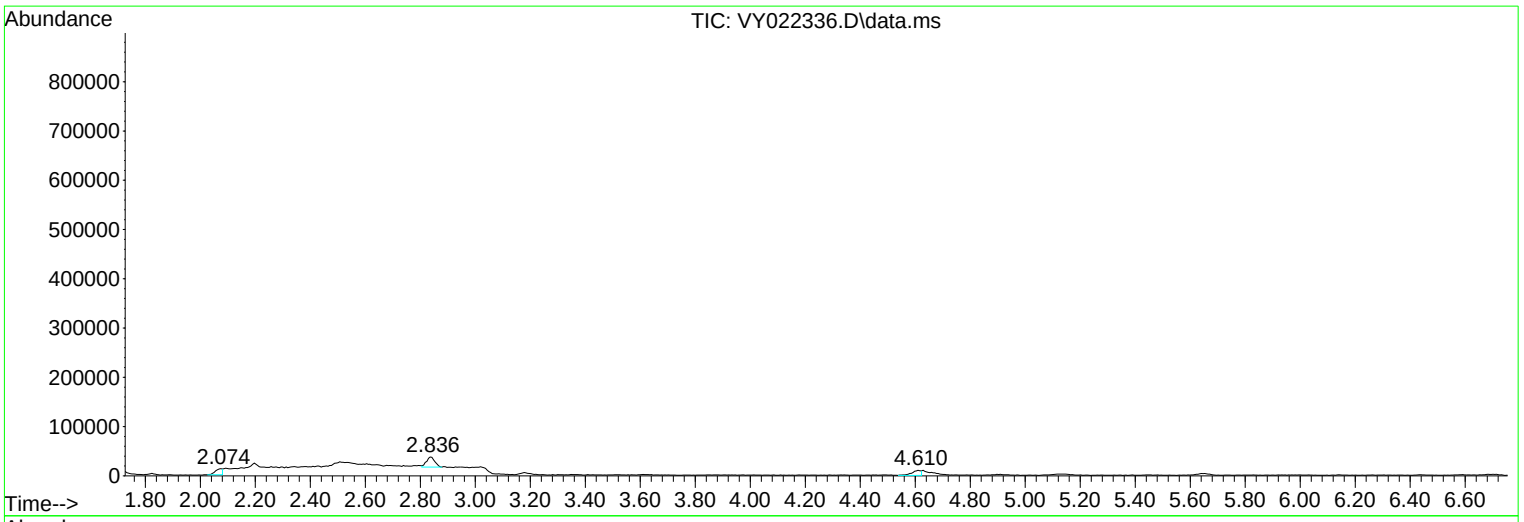
Sample Results: **VY022336.D**

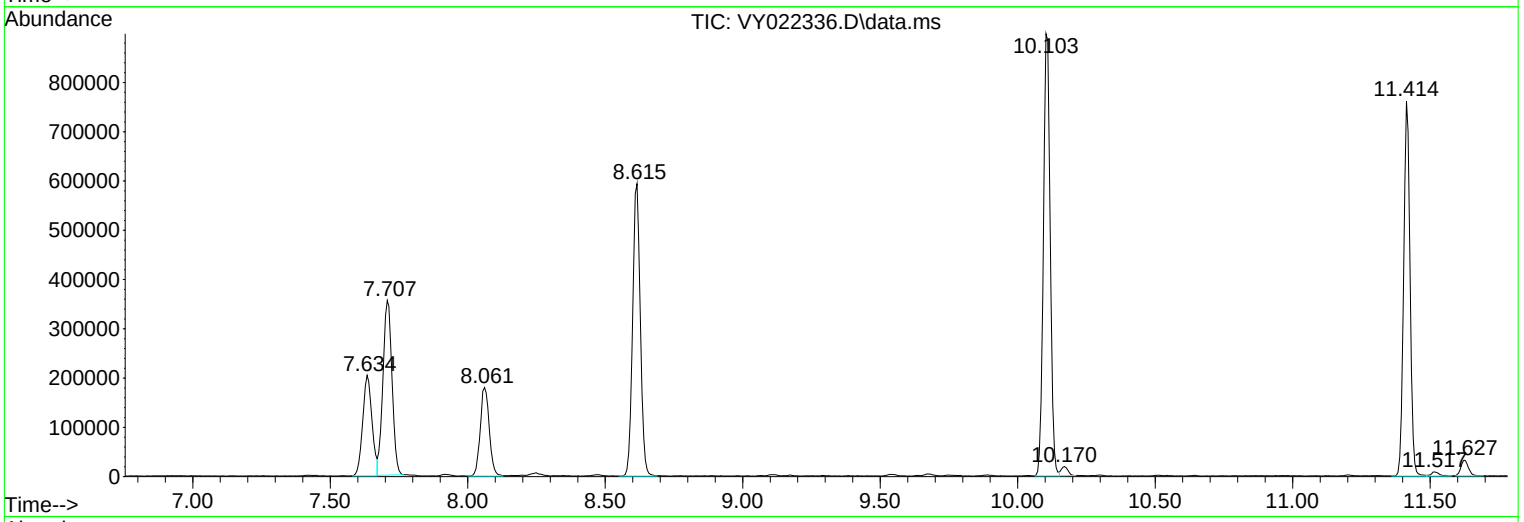
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022336.D
Acq On : 20 May 2025 12:38
Operator : SY/MD
Sample : Q2056-02
Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

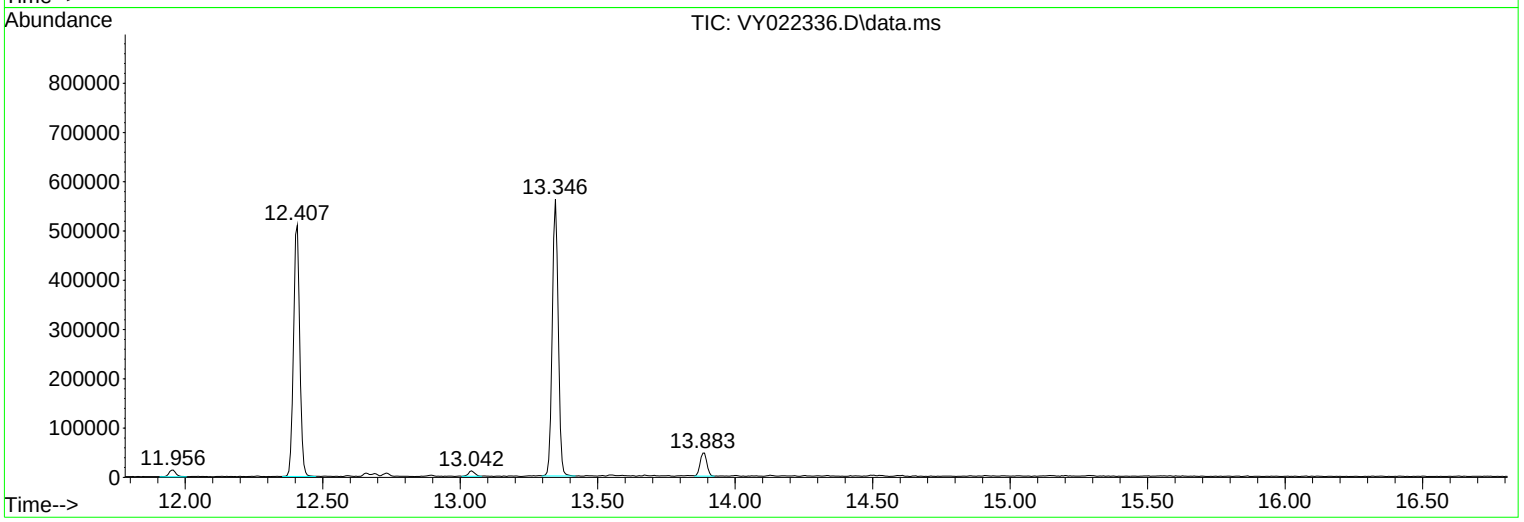
Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Sample Results: **VY022336.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022336.D
Acq On : 20 May 2025 12:38
Operator : SY/MD
Sample : Q2056-02
Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022336.D
Acq On : 20 May 2025 12:38
Operator : SY/MD
Sample : Q2056-02
Misc : 6.82g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY022337.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD13	SDG No.:	Q2056
Lab Sample ID:	Q2056-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	7.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022337.D	1		05/20/25 13:01	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	0.83	UQ	0.83	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.57	UQ	0.57	3.60	ug/Kg
74-83-9	Bromomethane	0.78	UQ	0.78	3.60	ug/Kg
75-00-3	Chloroethane	0.92	UQ	0.92	3.60	ug/Kg
75-65-0	Tert butyl alcohol	10.0	U	10.0	18.2	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	3.60	ug/Kg
67-64-1	Acetone	6.30	J	3.40	18.2	ug/Kg
75-15-0	Carbon Disulfide	0.77	U	0.77	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.60	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	3.60	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.60	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.60	ug/Kg
71-43-2	Benzene	0.57	U	0.57	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.57	U	0.57	3.60	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.2	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.60	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	3.60	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.2	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	3.60	ug/Kg

Raw Data: **VY022337.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD13	SDG No.:	Q2056
Lab Sample ID:	Q2056-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.5
Sample Wt/Vol:	7.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022337.D	1		05/20/25 13:01	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.66	U	0.66	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.90	U	0.90	7.30	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.60	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.60	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		63 - 155	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.8		38 - 136	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.707			
540-36-3	1,4-Difluorobenzene	432000	8.616			
3114-55-4	Chlorobenzene-d5	328000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022337.D
Acq On : 20 May 2025 13:01
Operator : SY/MD
Sample : Q2056-03
Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Quant Time: May 21 01:47:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

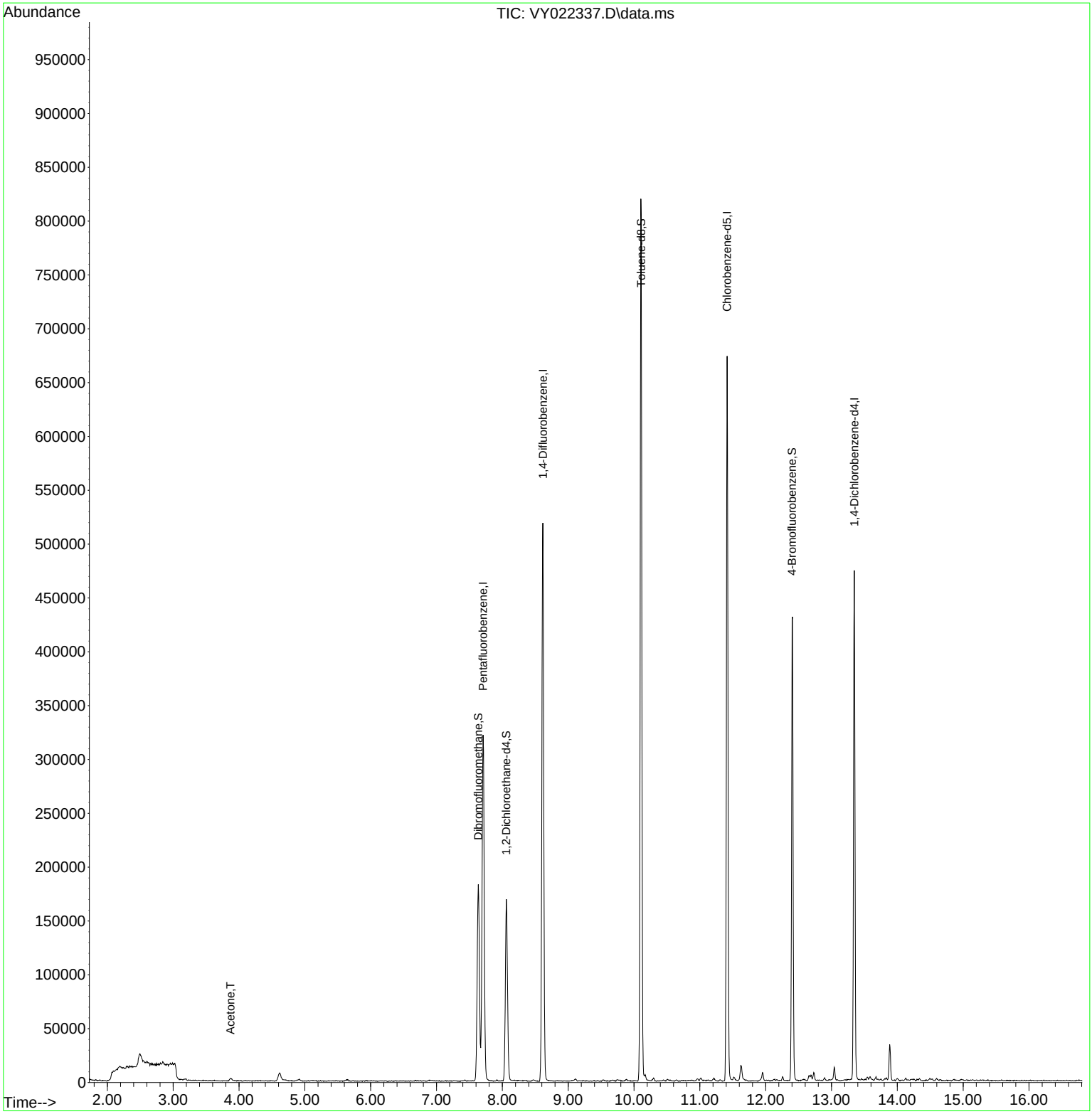
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	244549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	431792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	328152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126949	47.499	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.000%			
35) Dibromofluoromethane	7.634	113	125678	48.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.540%			
50) Toluene-d8	10.109	98	513211	48.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.240%			
62) 4-Bromofluorobenzene	12.402	95	123075	36.787	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.580%			
Target Compounds						Qvalue
16) Acetone	3.873	43	4316	8.612	ug/l	97

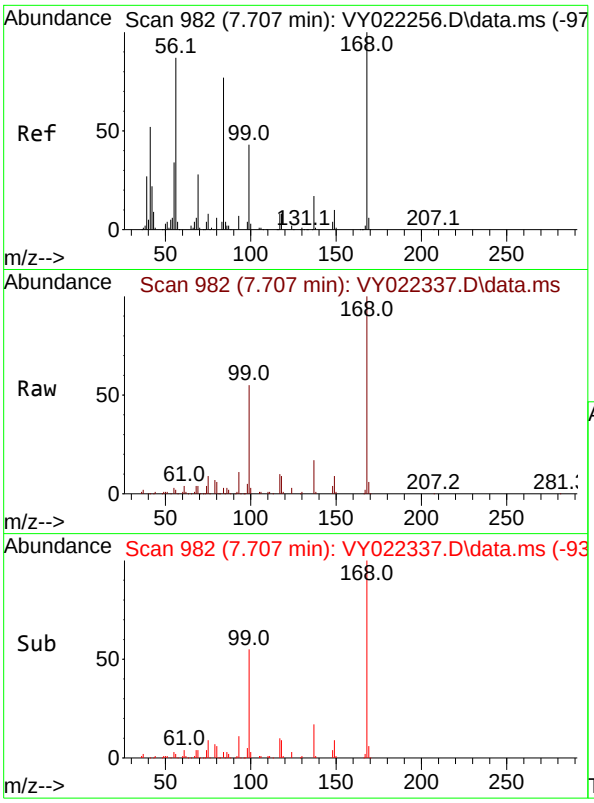
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022337.D
Acq On : 20 May 2025 13:01
Operator : SY/MD
Sample : Q2056-03
Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Quant Time: May 21 01:47:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



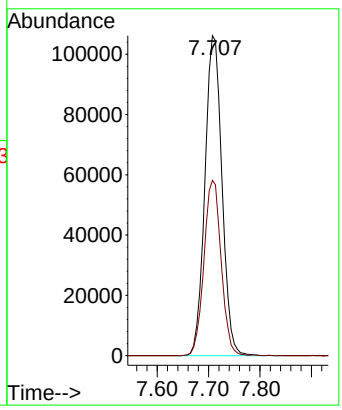


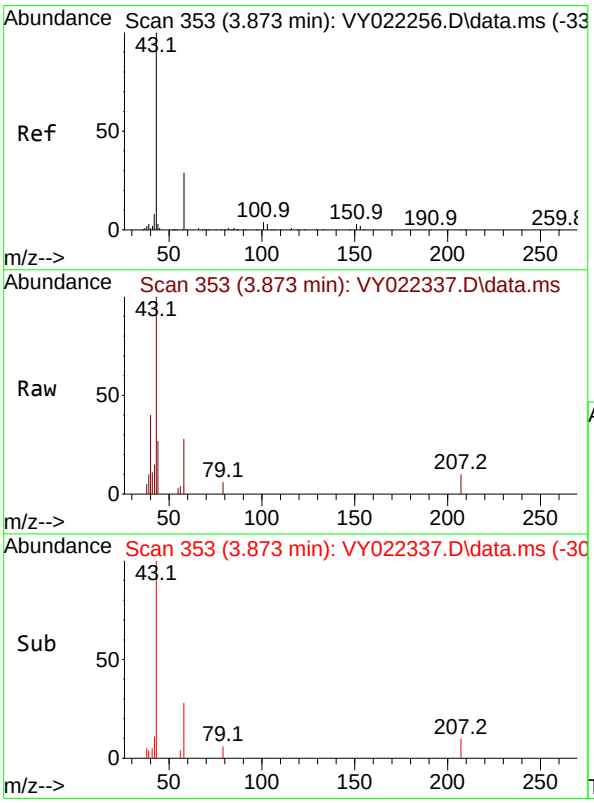
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Tgt Ion:168 Resp: 244549

Ion	Ratio	Lower	Upper
168	100		
99	54.8	44.2	66.4

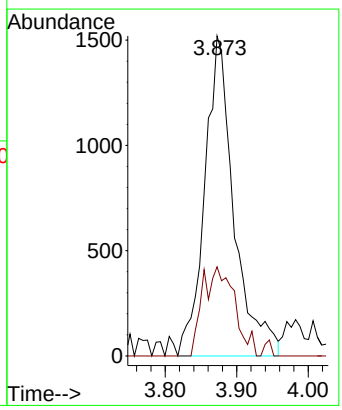


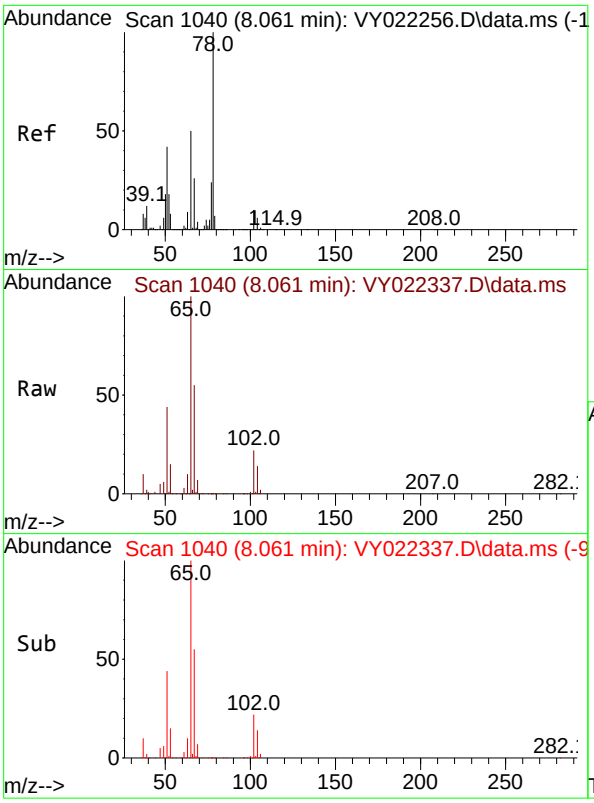


#16
Acetone
Concen: 8.612 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion: 43 Resp: 4316

Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.6	35.4



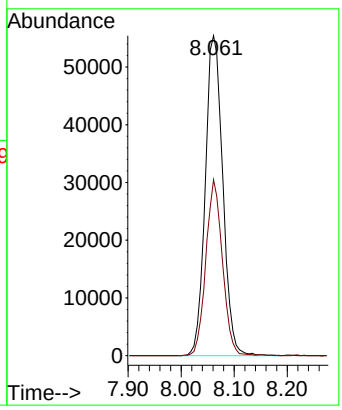


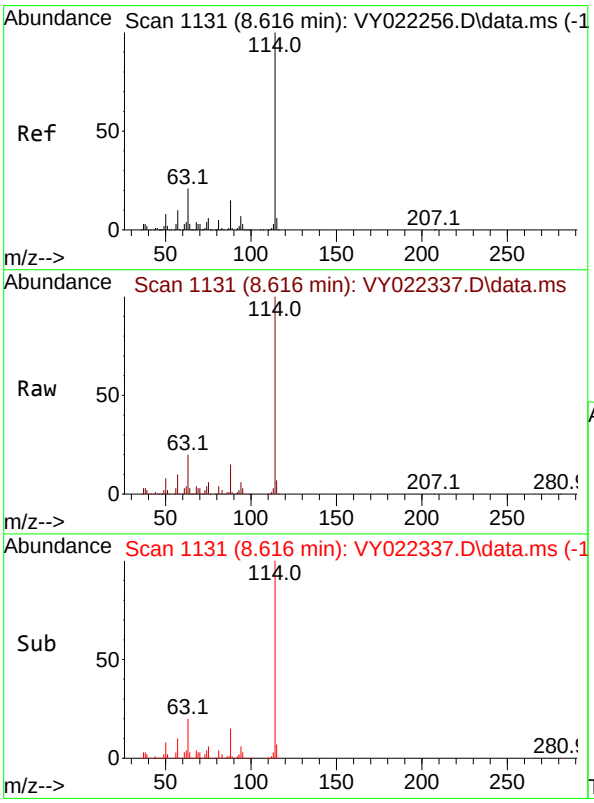
#33
1,2-Dichloroethane-d4
Concen: 47.499 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Tgt Ion: 65 Resp: 126949

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6

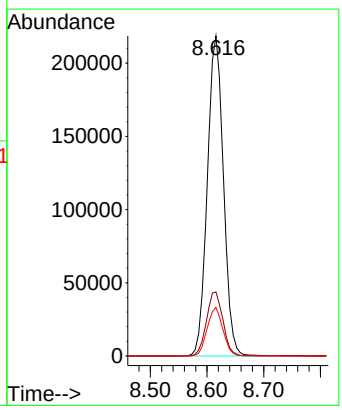


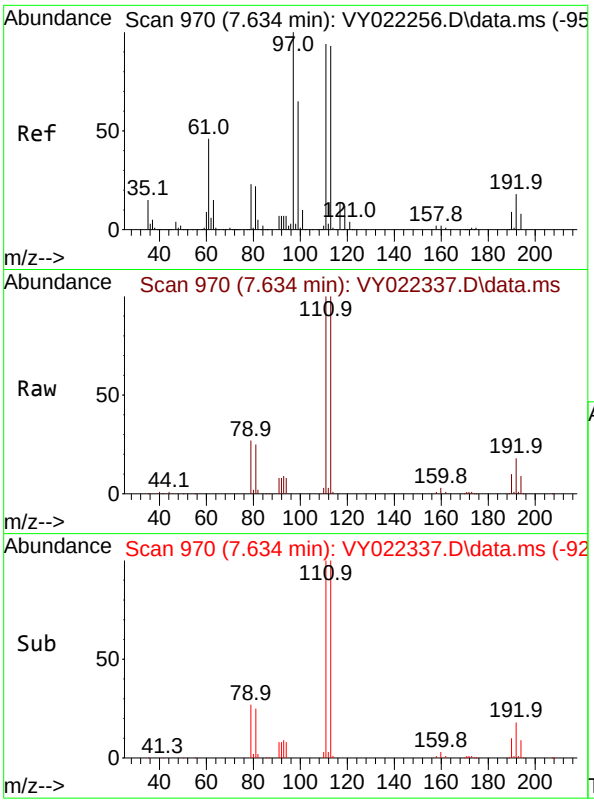


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion:114 Resp: 431792

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	15.2	0.0	29.4



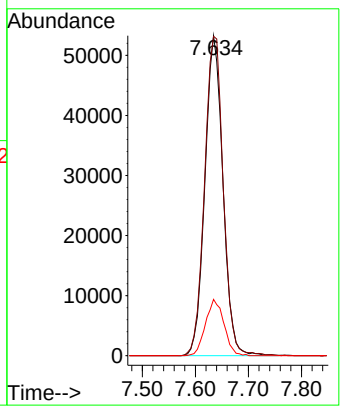


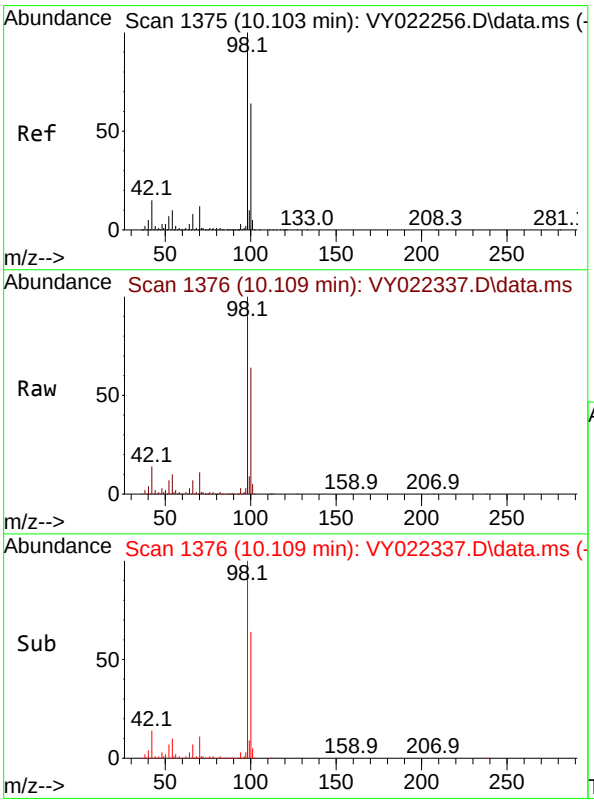
#35
Dibromofluoromethane
Concen: 48.766 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Tgt Ion:113 Resp: 125678

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	18.0	15.2	22.8

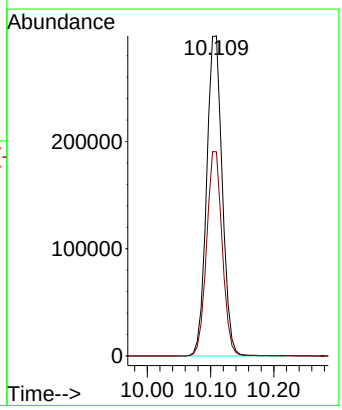


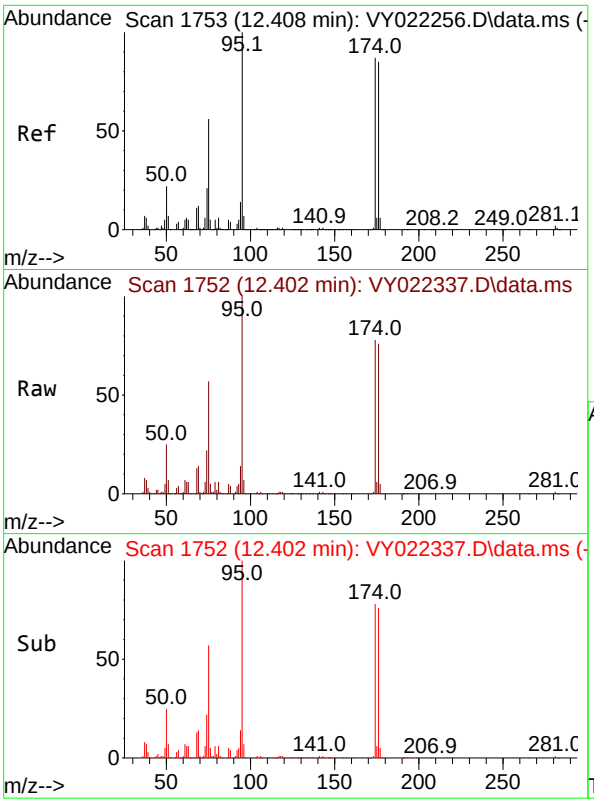


#50
Toluene-d8
Concen: 48.622 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion: 98 Resp: 513211

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8



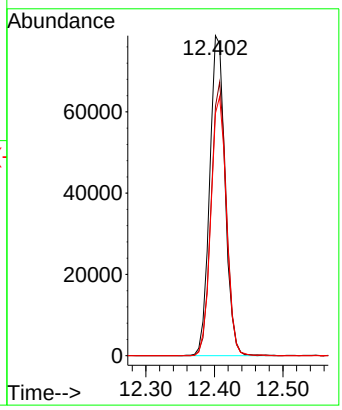


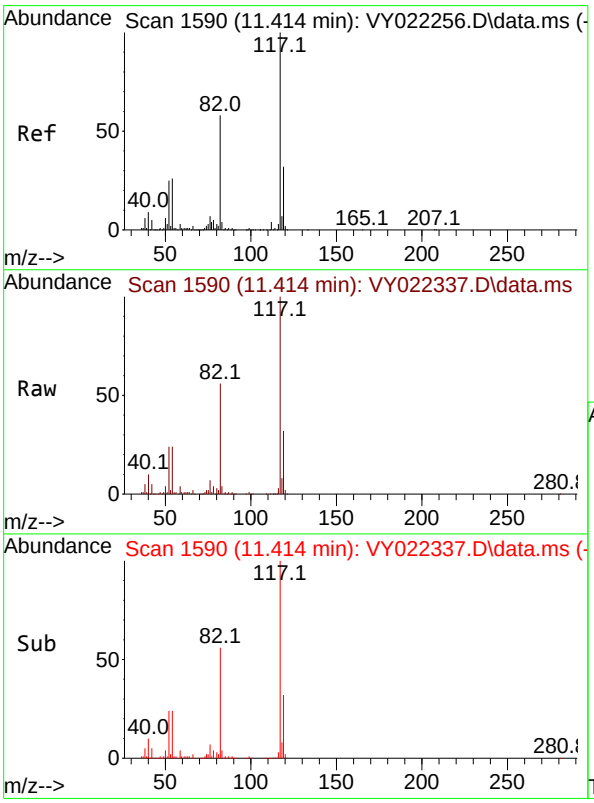
#62
4-Bromofluorobenzene
Concen: 36.787 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Tgt Ion: 95 Resp: 123075

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	166.8
176	81.7	0.0	160.8

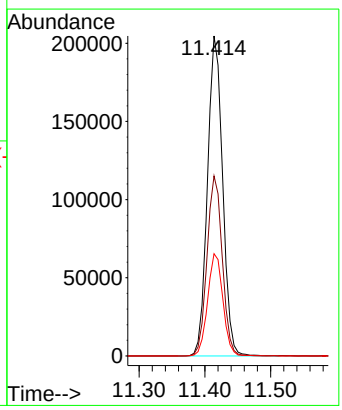


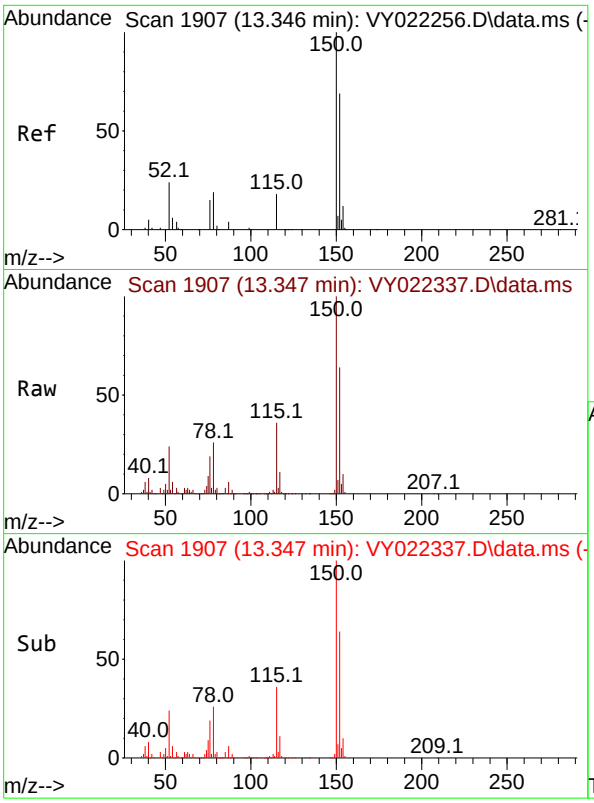


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Tgt Ion:117 Resp: 328152

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.6	70.0
119	32.0	25.8	38.6



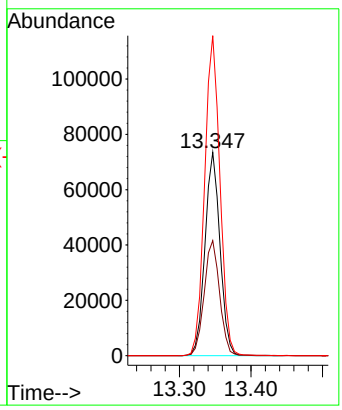


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022337.D
Acq: 20 May 2025 13:01

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Tgt Ion:152 Resp: 107238

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.4	88.2
150	160.0	0.0	353.8



Sample Results: **VY022337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022337.D
Acq On : 20 May 2025 13:01
Operator : SY/MD
Sample : Q2056-03
Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022337.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	121	127	134	rBV5	9889	30836	2.20%	0.463%
2	4.616	466	475	483	rBV4	7360	22844	1.63%	0.343%
3	7.634	959	970	976	rBV	182577	436538	31.08%	6.556%
4	7.707	976	982	996	rVB	321048	734284	52.27%	11.028%
5	8.061	1032	1040	1051	rBV	168667	377707	26.89%	5.673%
6	8.616	1122	1131	1145	rBV	518722	1032310	73.49%	15.504%
7	10.103	1367	1375	1385	rBV	819578	1404706	100.00%	21.097%
8	11.414	1583	1590	1601	rBV	673226	1087967	77.45%	16.340%
9	11.621	1617	1624	1635	rBV2	14231	31871	2.27%	0.479%
10	11.950	1668	1678	1683	rBV2	8059	16393	1.17%	0.246%
11	12.408	1746	1753	1764	rBV	430465	699291	49.78%	10.503%
12	13.042	1850	1857	1862	rVB2	11974	18305	1.30%	0.275%
13	13.347	1900	1907	1917	rVB	472959	710880	50.61%	10.677%
14	13.883	1990	1995	2003	rVB	33411	54238	3.86%	0.815%

Sum of corrected areas: 6658170

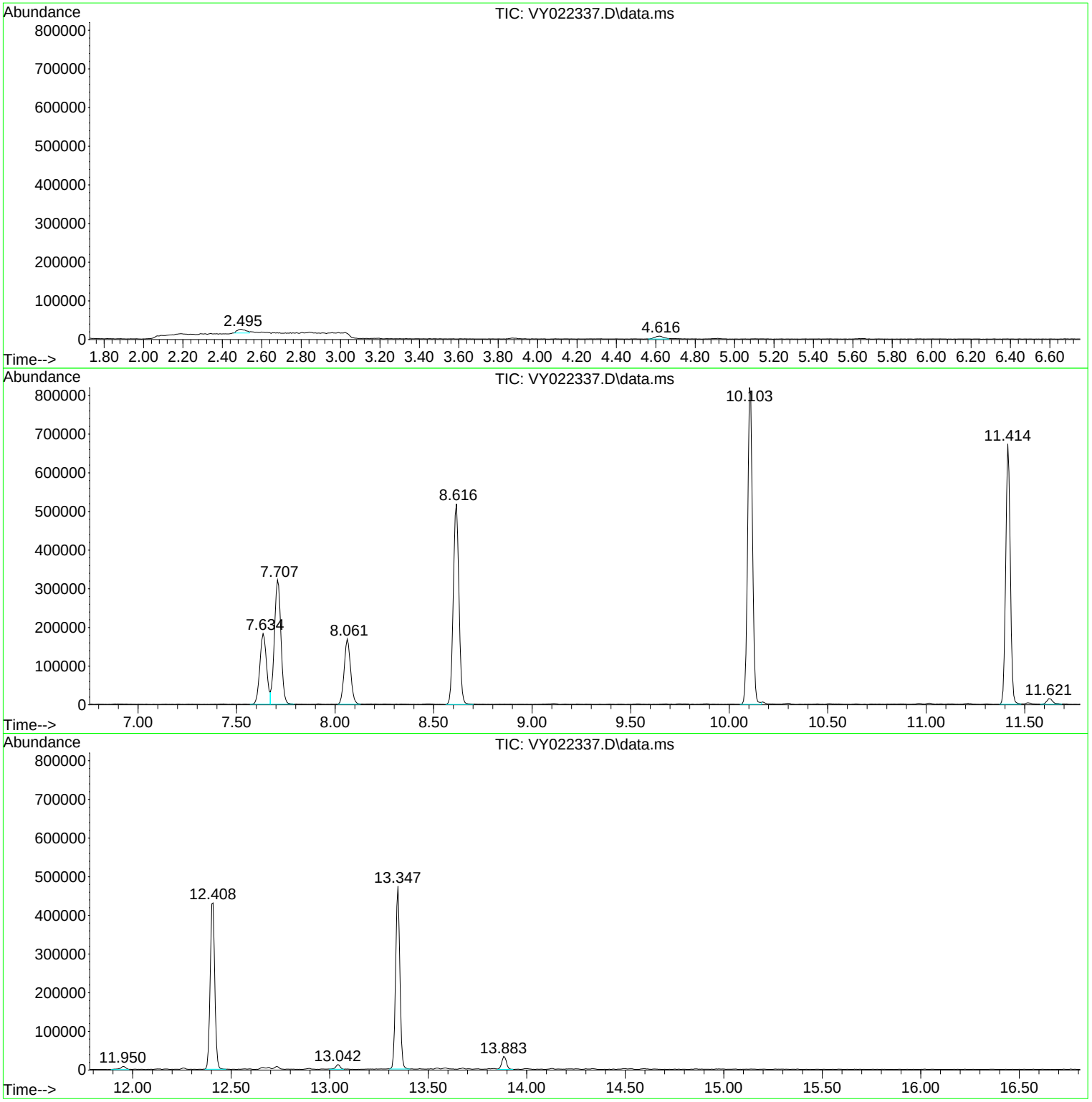
Sample Results: **VY022337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022337.D
Acq On : 20 May 2025 13:01
Operator : SY/MD
Sample : Q2056-03
Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022337.D
Acq On : 20 May 2025 13:01
Operator : SY/MD
Sample : Q2056-03
Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022337.D
Acq On : 20 May 2025 13:01
Operator : SY/MD
Sample : Q2056-03
Misc : 7.95g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY022338.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD14	SDG No.:	Q2056
Lab Sample ID:	Q2056-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.8
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022338.D	1		05/20/25 13:25	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	UQ	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.73	UQ	0.73	4.70	ug/Kg
74-83-9	Bromomethane	1.00	UQ	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	UQ	1.20	4.70	ug/Kg
75-65-0	Tert butyl alcohol	12.7	U	12.7	23.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.70	ug/Kg
67-64-1	Acetone	4.40	U	4.40	23.3	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	4.70	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.90	U	0.90	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.70	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
71-43-2	Benzene	0.73	U	0.73	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.73	U	0.73	4.70	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.85	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	23.3	ug/Kg
108-88-3	Toluene	0.73	U	0.73	4.70	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	23.3	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	4.70	ug/Kg

Raw Data: **VY022338.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD14	SDG No.:	Q2056
Lab Sample ID:	Q2056-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.8
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022338.D	1		05/20/25 13:25	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.85	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.30	ug/Kg
95-47-6	o-Xylene	0.76	U	0.76	4.70	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.70	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.0		38 - 136	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	328000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown1.812	15.7	J		1.81	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022338.D
Acq On : 20 May 2025 13:25
Operator : SY/MD
Sample : Q2056-04
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Quant Time: May 21 01:48:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	240752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	423261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	327850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129742	49.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.620%			
35) Dibromofluoromethane	7.634	113	127362	50.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.103	98	509429	49.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.480%			
62) 4-Bromofluorobenzene	12.408	95	121193	36.955	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.900%			

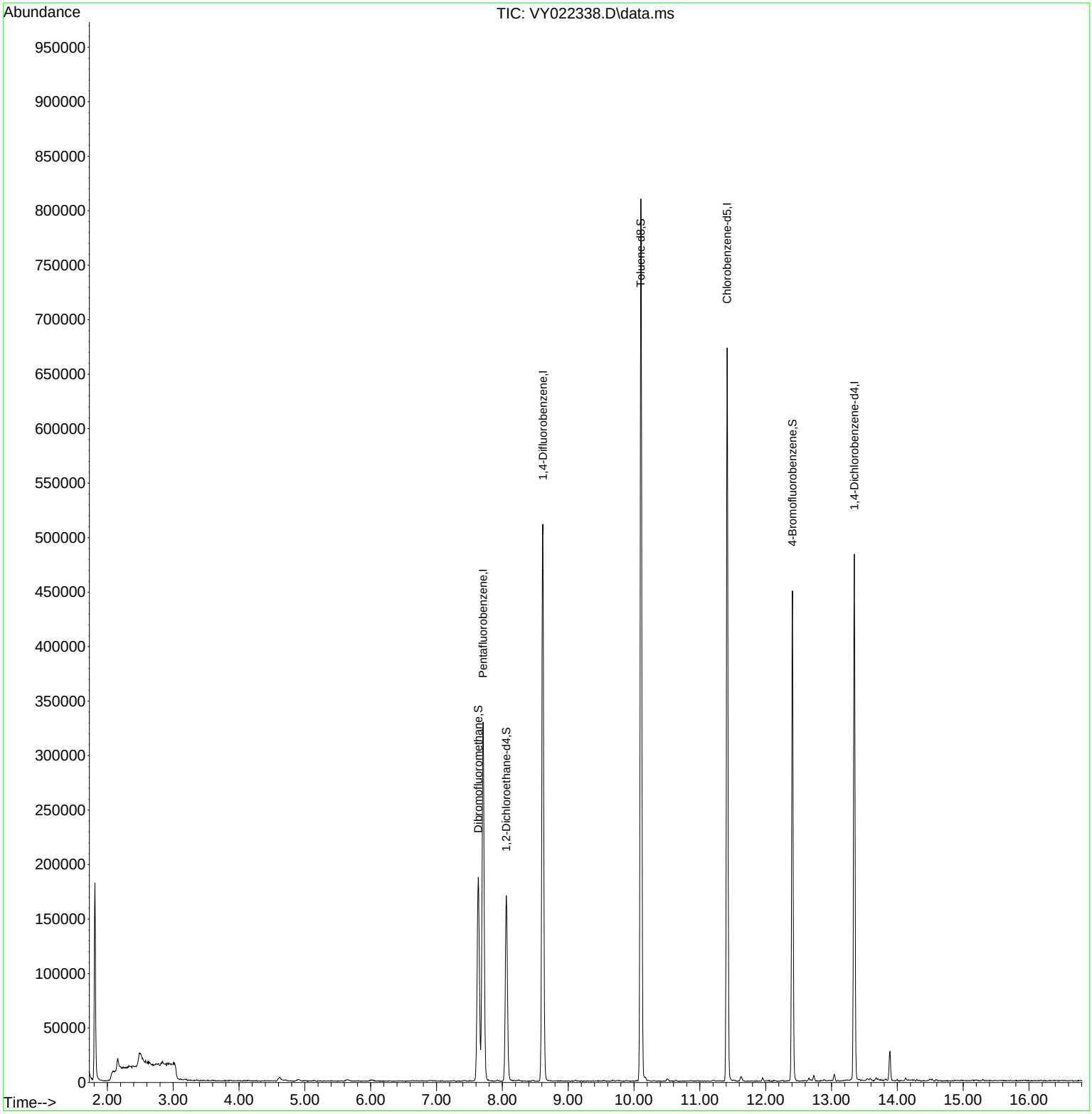
Target Compounds Qvalue

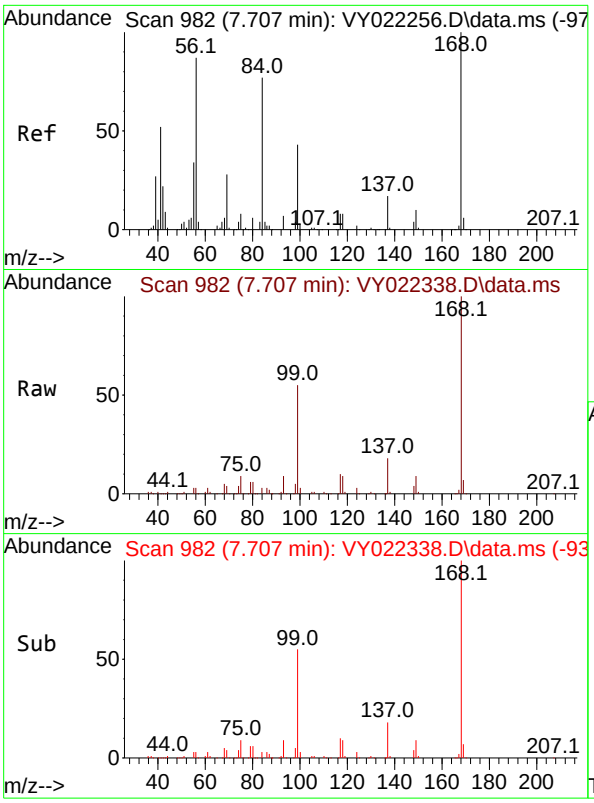
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022338.D
Acq On : 20 May 2025 13:25
Operator : SY/MD
Sample : Q2056-04
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Quant Time: May 21 01:48:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



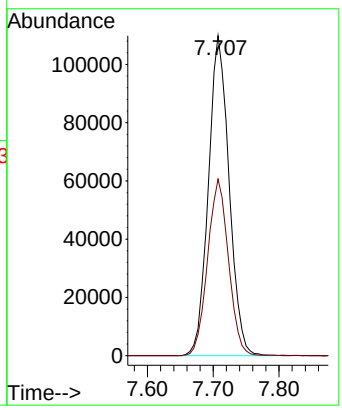


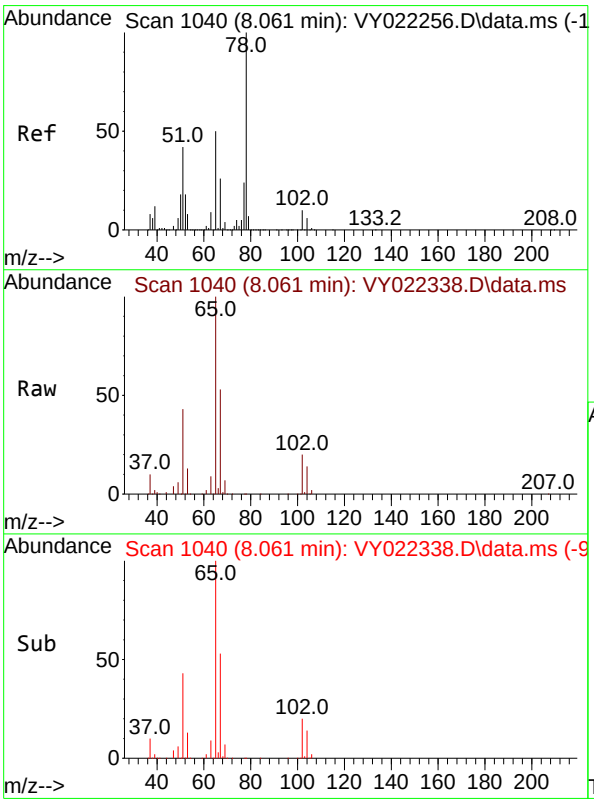
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Tgt Ion:168 Resp: 240752

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.2	66.4

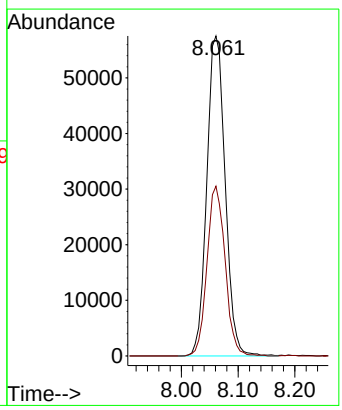


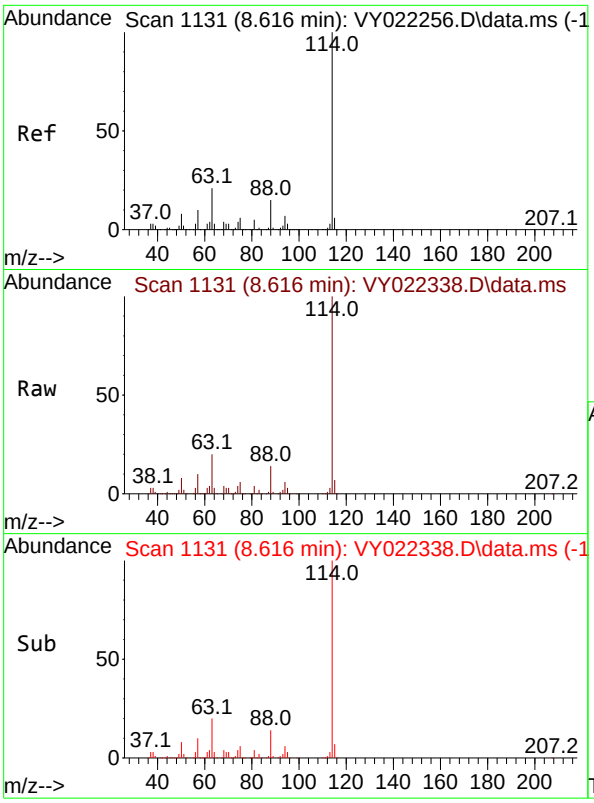


#33
1,2-Dichloroethane-d4
Concen: 49.309 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion: 65 Resp: 129742

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



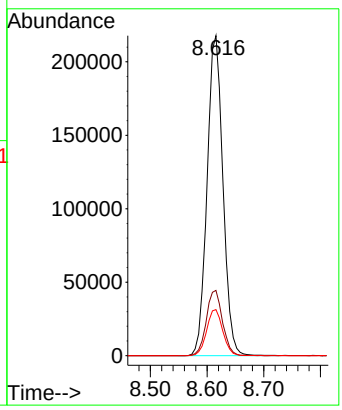


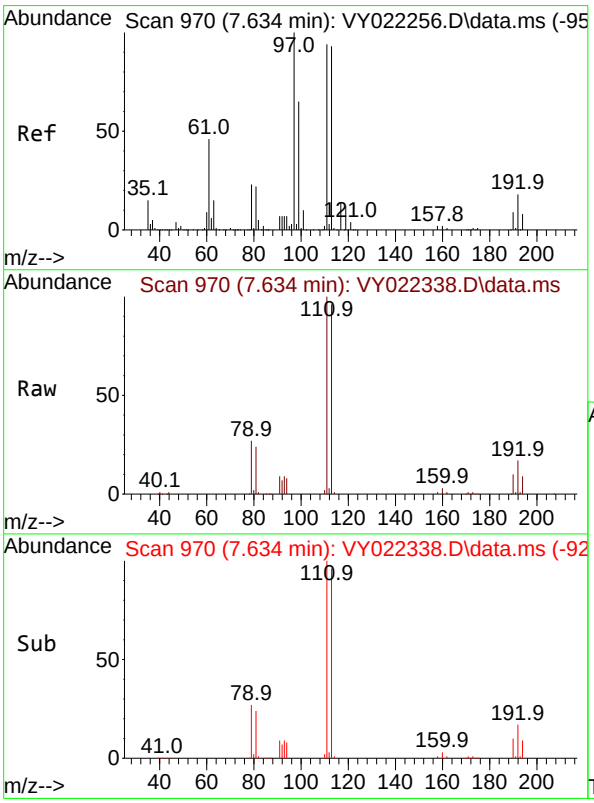
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Tgt Ion:114 Resp: 423261

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	14.4	0.0	29.4

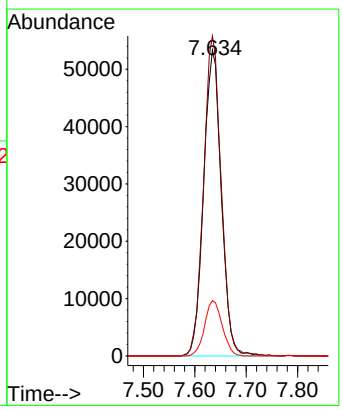


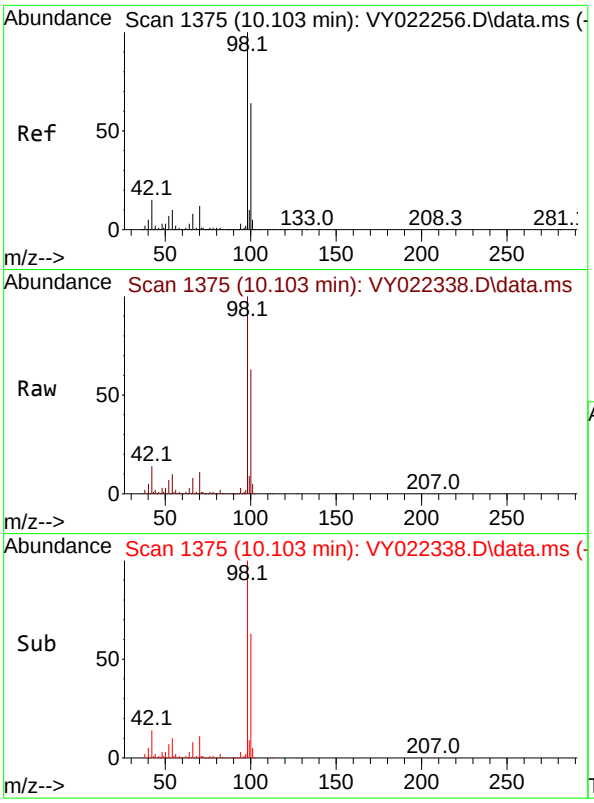


#35
Dibromofluoromethane
Concen: 50.415 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion:113 Resp: 127362

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	18.1	15.2	22.8



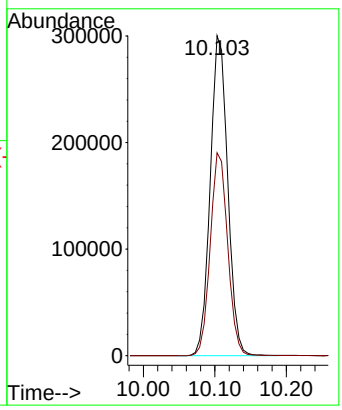


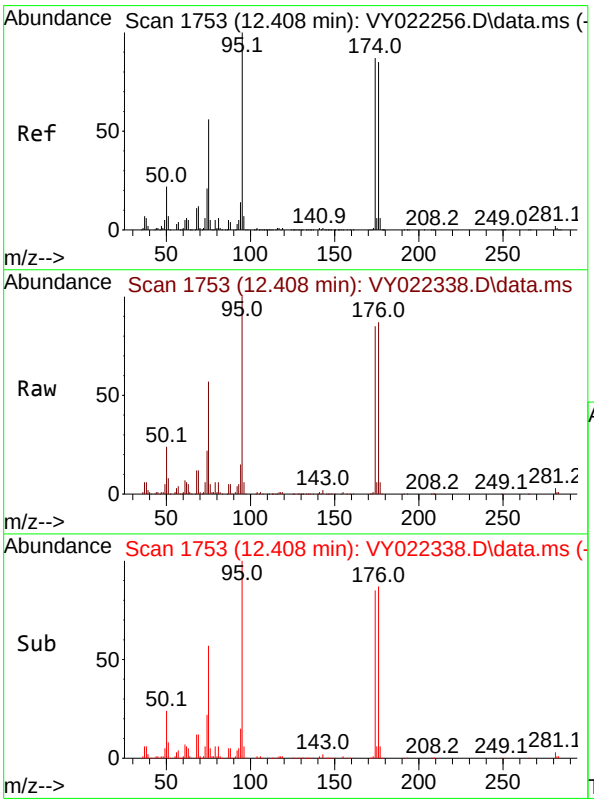
#50
Toluene-d8
Concen: 49.237 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Tgt Ion: 98 Resp: 509429

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.8	77.8

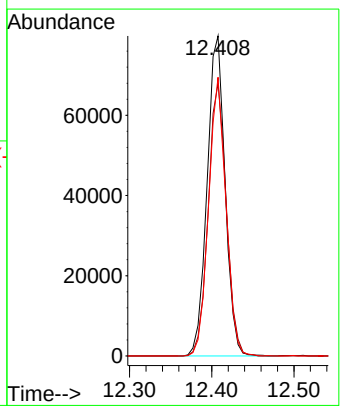


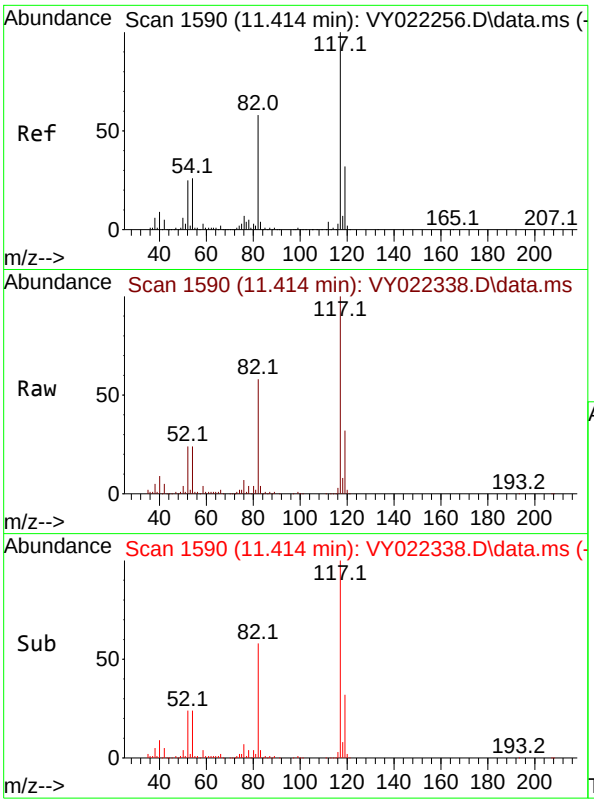


#62
4-Bromofluorobenzene
Concen: 36.955 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion: 95 Resp: 121193

Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	166.8
176	83.9	0.0	160.8



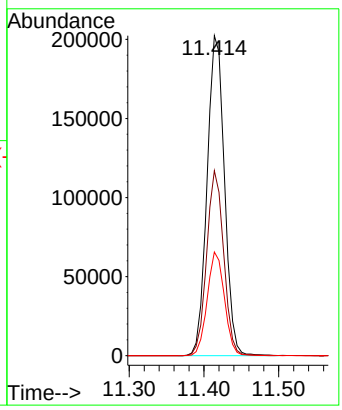


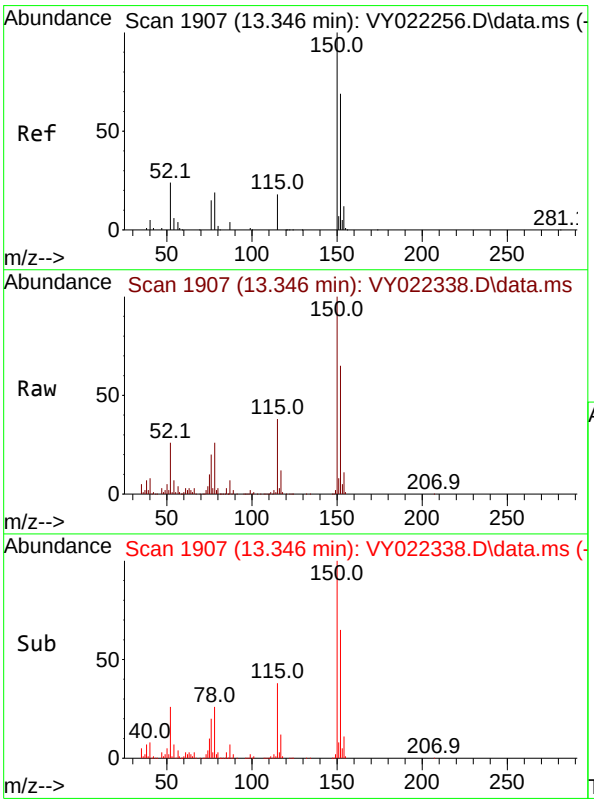
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Tgt Ion:117 Resp: 327850

Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.6	70.0
119	32.4	25.8	38.6

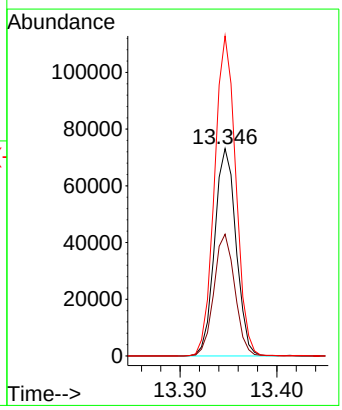




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022338.D
Acq: 20 May 2025 13:25

Tgt Ion:152 Resp: 112421

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.4	88.2
150	153.2	0.0	353.8



Sample Results: **VY022338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022338.D
Acq On : 20 May 2025 13:25
Operator : SY/MD
Sample : Q2056-04
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022338.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	9	15	30	rVB	181371	244757	17.76%	3.588%
2	2.086	49	60	61	rBV3	8762	20349	1.48%	0.298%
3	2.159	67	72	76	rBV2	11035	21203	1.54%	0.311%
4	2.489	121	126	140	rBV5	9798	36184	2.63%	0.530%
5	7.634	959	970	976	rBV	186863	442414	32.11%	6.485%
6	7.707	976	982	994	rVB	328838	725041	52.62%	10.628%
7	8.061	1030	1040	1054	rBV	170555	385184	27.96%	5.646%
8	8.616	1119	1131	1143	rBV	511290	1012438	73.48%	14.840%
9	10.103	1368	1375	1384	rBV	809576	1377802	100.00%	20.196%
10	11.414	1582	1590	1601	rBV	673008	1082746	78.59%	15.871%
11	12.408	1744	1753	1763	rBV	449777	700767	50.86%	10.272%
12	13.346	1898	1907	1915	rBV	482340	730060	52.99%	10.701%
13	13.889	1990	1996	2001	rBV2	26727	43222	3.14%	0.634%

Sum of corrected areas: 6822167

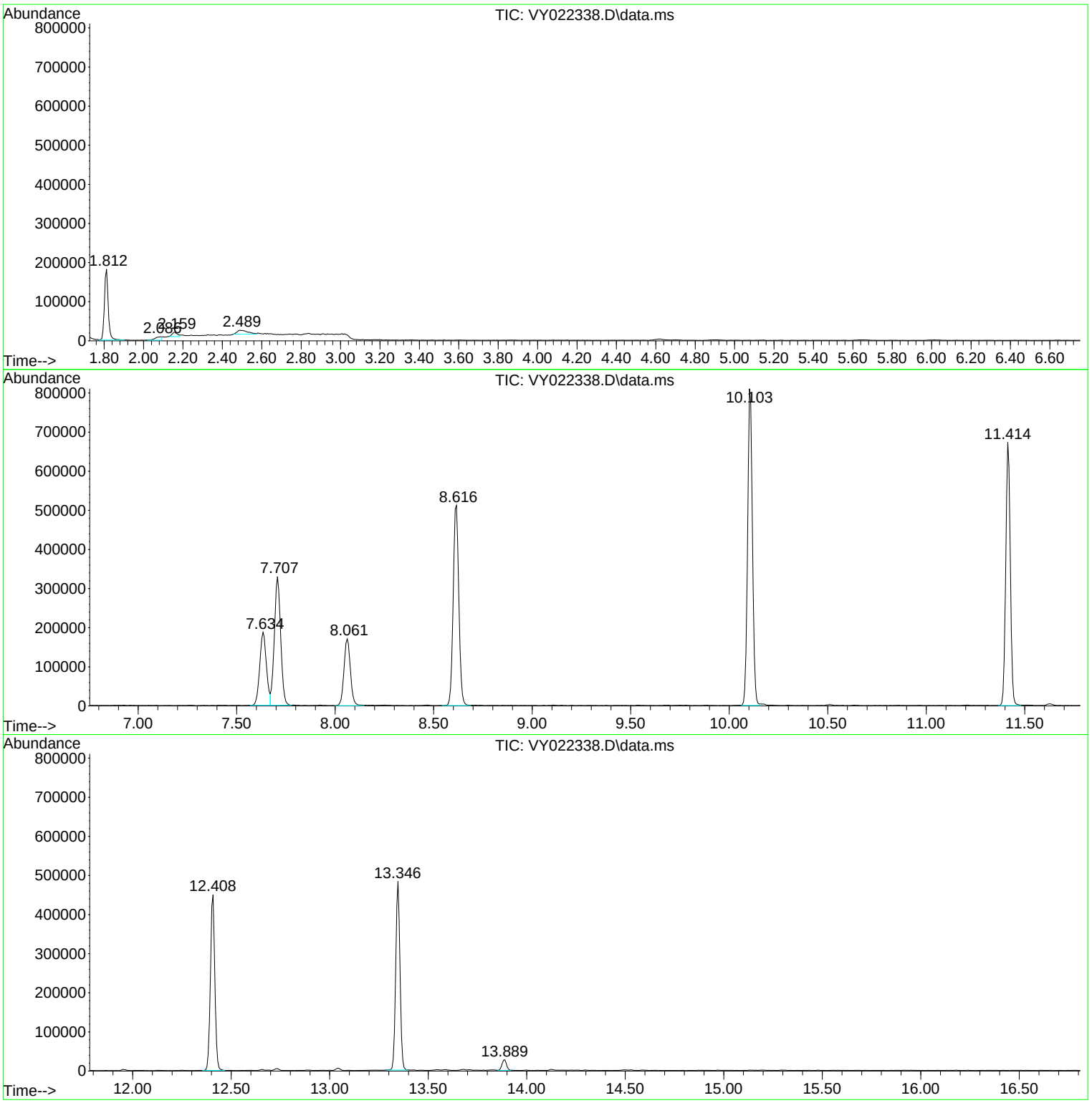
Sample Results: **VY022338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022338.D
Acq On : 20 May 2025 13:25
Operator : SY/MD
Sample : Q2056-04
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **VY022338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022338.D
Acq On : 20 May 2025 13:25
Operator : SY/MD
Sample : Q2056-04
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

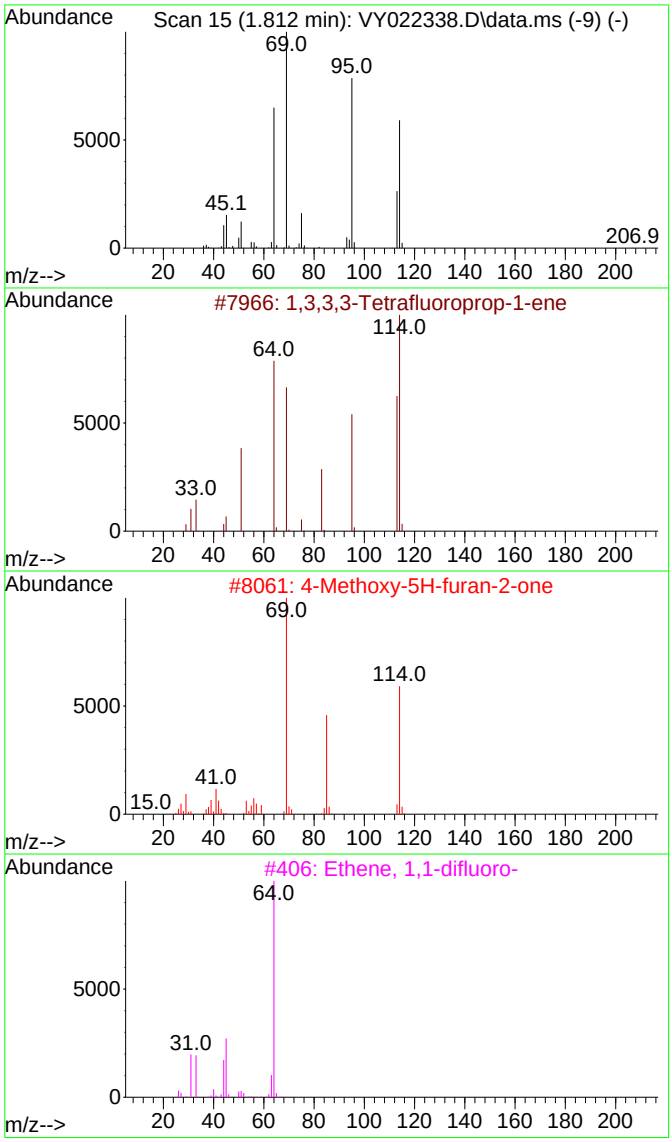
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

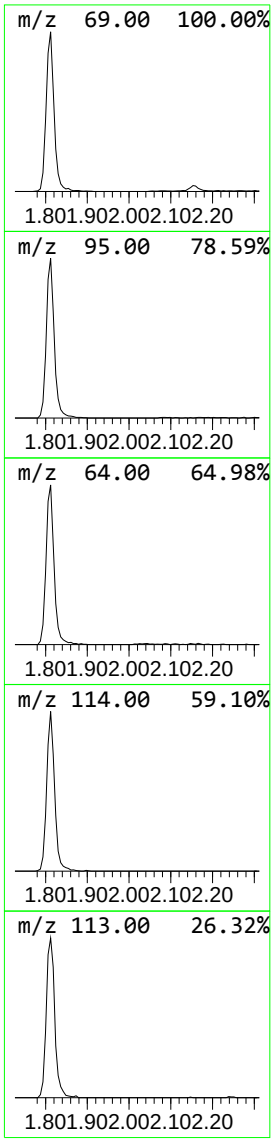
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.812 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	16.88 ug/l	244757	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,3,3-Tetrafluoroprop-1-ene	114	C3H2F4	1000389-53-0	25
2	4-Methoxy-5H-furan-2-one	114	C5H6O3	069556-70-3	14
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	12
4	4-Pyridinol	95	C5H5NO	000626-64-2	9
5	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022338.D
Acq On : 20 May 2025 13:25
Operator : SY/MD
Sample : Q2056-04
Misc : 6.57g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.812	1.812	16.9	ug/l	244757	1	7.707	725041	50.0

Raw Data: **VY022358.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD15	SDG No.:	Q2056
Lab Sample ID:	Q2056-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84
Sample Wt/Vol:	6.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022358.D	1		05/21/25 11:37	VY052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	0.98	UQ	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	UQ	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	UQ	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	UQ	1.10	4.30	ug/Kg
75-65-0	Tert butyl alcohol	11.8	U	11.8	21.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	4.10	U	4.10	21.5	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	21.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	U	0.83	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.5	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.5	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.90	U	0.90	4.30	ug/Kg

Raw Data: **VY022358.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	05/15/25
Project:	Dover	Date Received:	05/15/25
Client Sample ID:	GVD15	SDG No.:	Q2056
Lab Sample ID:	Q2056-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84
Sample Wt/Vol:	6.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022358.D	1		05/21/25 11:37	VY052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.78	U	0.78	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	47.1		74 - 123	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	27.8		38 - 136	56%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	237000	7.713			
540-36-3	1,4-Difluorobenzene	412000	8.622			
3114-55-4	Chlorobenzene-d5	278000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	64000	13.353			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022358.D
Acq On : 21 May 2025 11:37
Operator : SY/MD
Sample : Q2056-05
Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Quant Time: May 22 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	236757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	411751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	277651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	64045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	125446	48.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.960%			
35) Dibromofluoromethane	7.640	113	125883	51.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.109	98	473741	47.067	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.140%			
62) 4-Bromofluorobenzene	12.414	95	88724	27.811	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 55.620%			

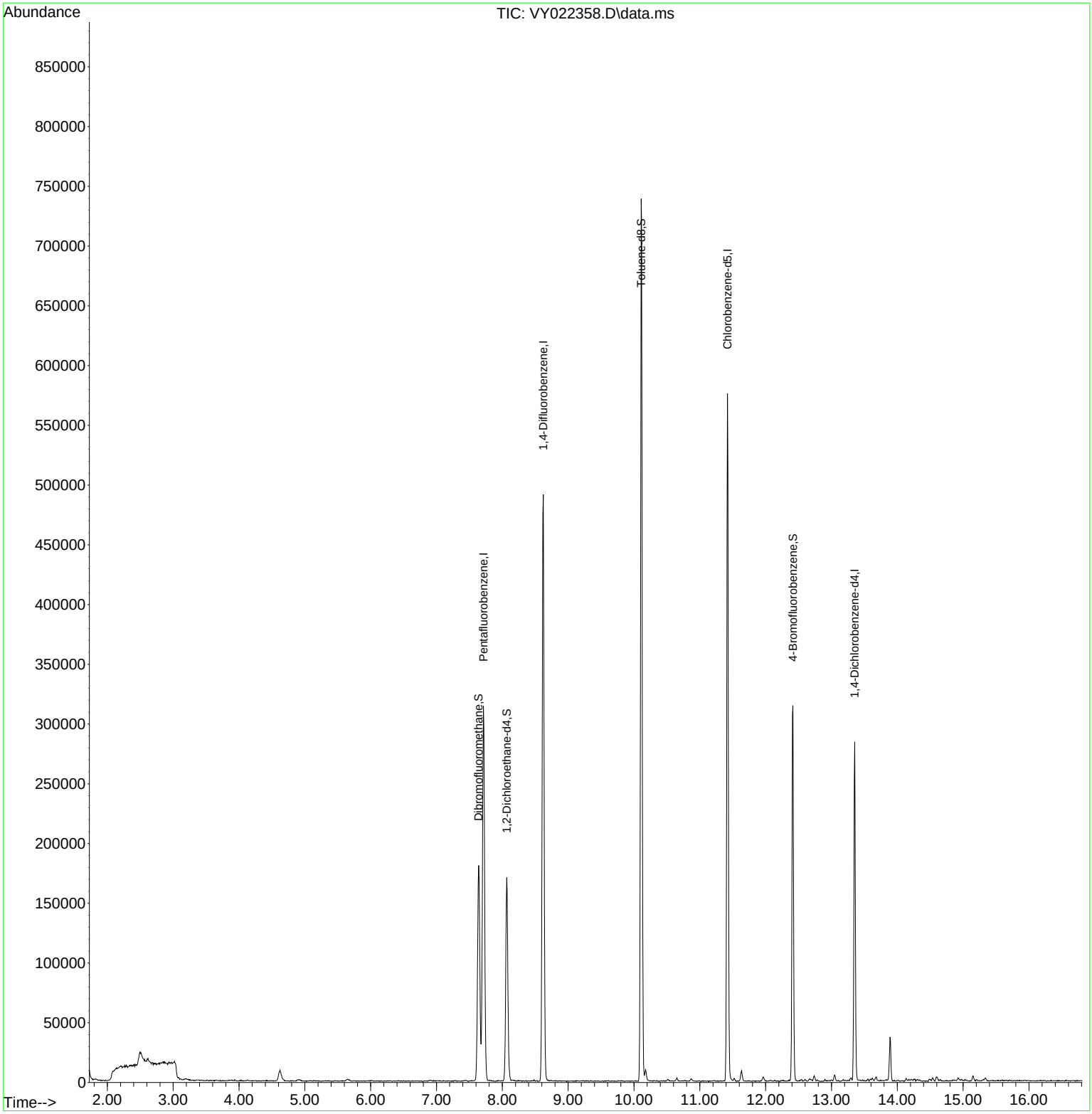
Target Compounds Qvalue

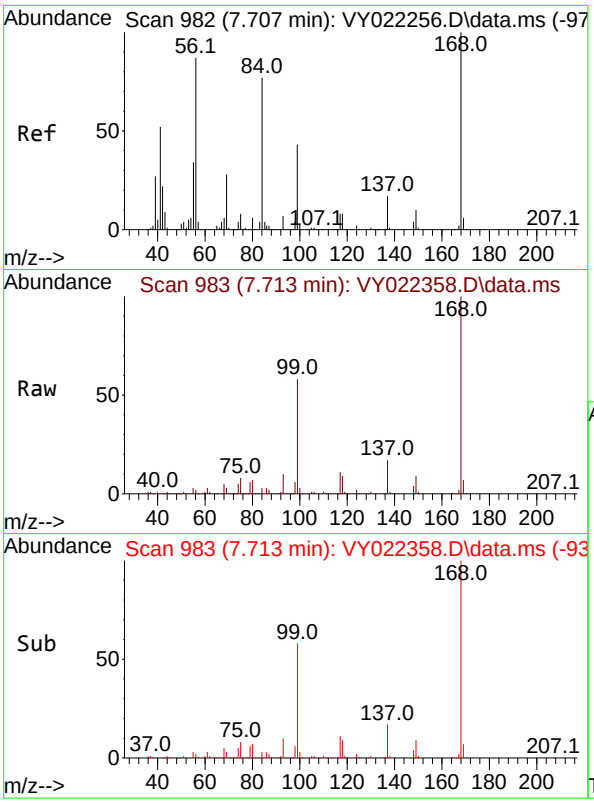
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022358.D
Acq On : 21 May 2025 11:37
Operator : SY/MD
Sample : Q2056-05
Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Quant Time: May 22 00:07:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



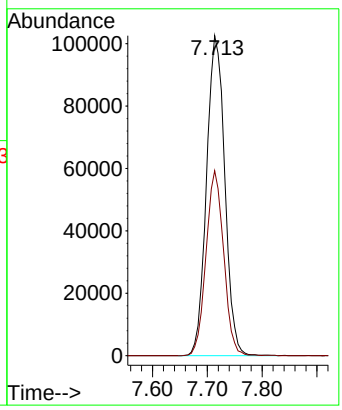


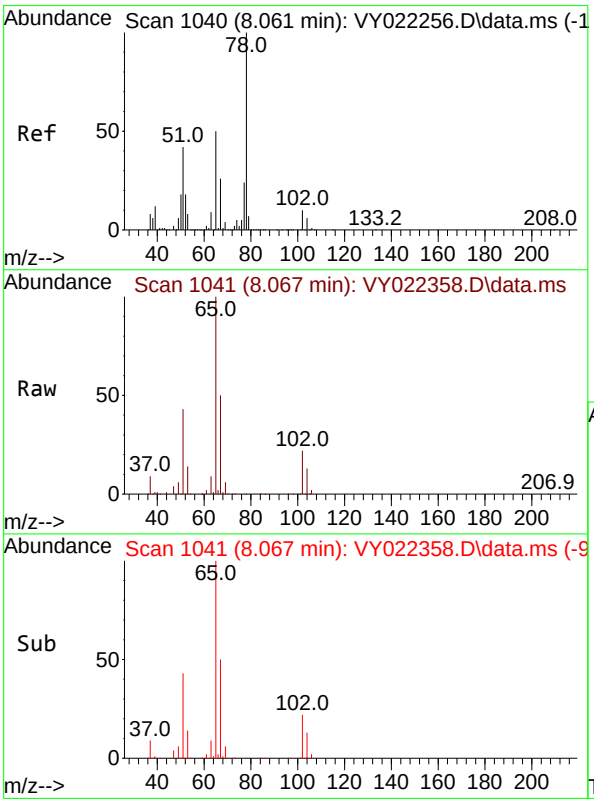
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Tgt Ion:168 Resp: 236757

Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.2	66.4

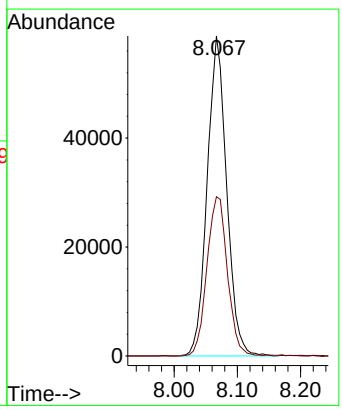


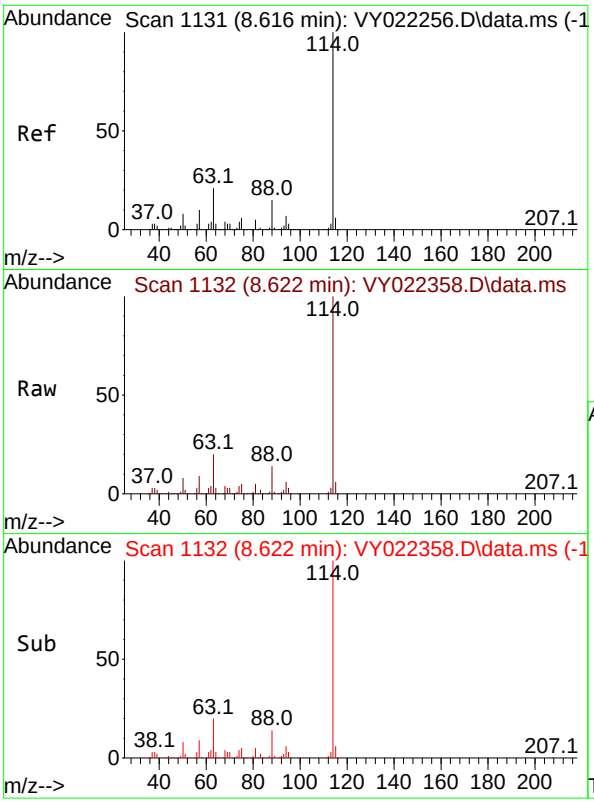


#33
1,2-Dichloroethane-d4
Concen: 48.481 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion: 65 Resp: 125446

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



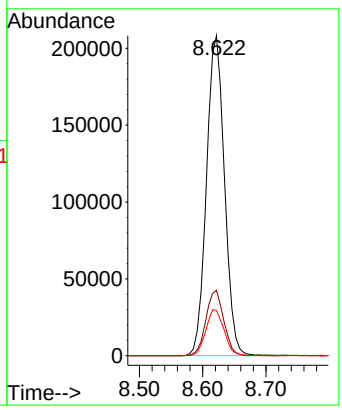


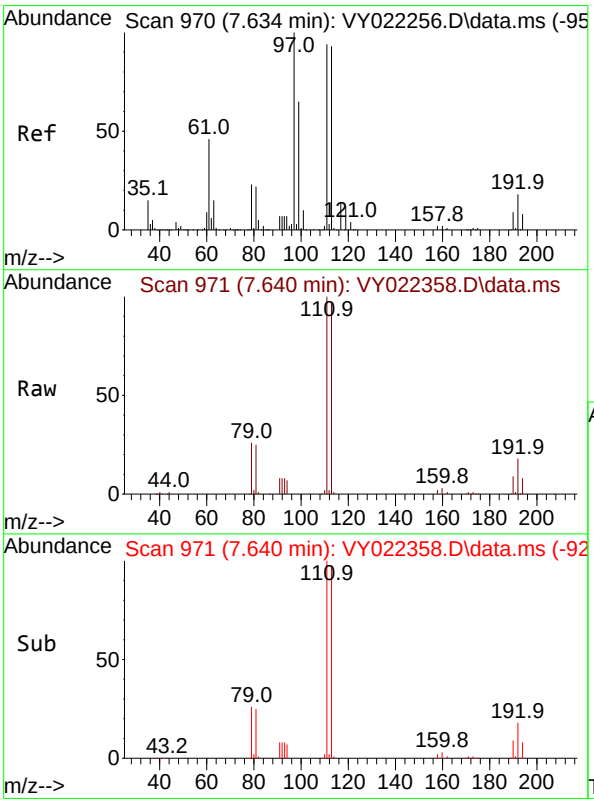
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Tgt Ion:114 Resp: 411751

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	14.2	0.0	29.4

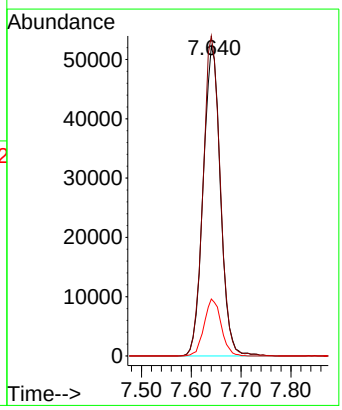


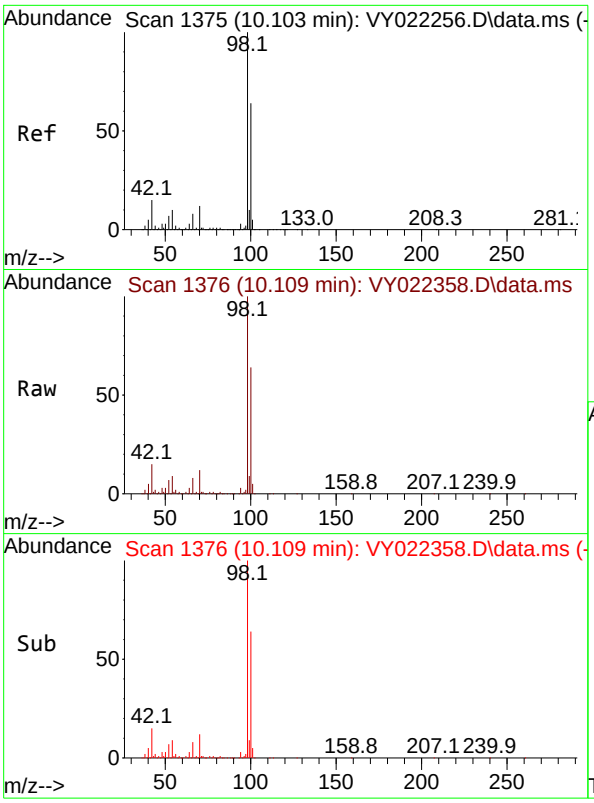


#35
Dibromofluoromethane
Concen: 51.223 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion:113 Resp: 125883

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	18.1	15.2	22.8



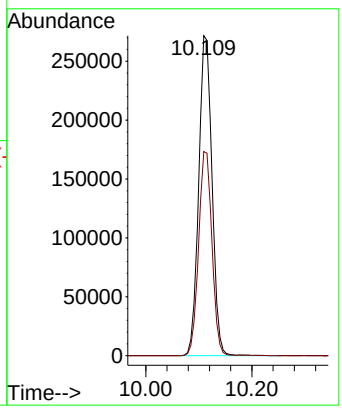


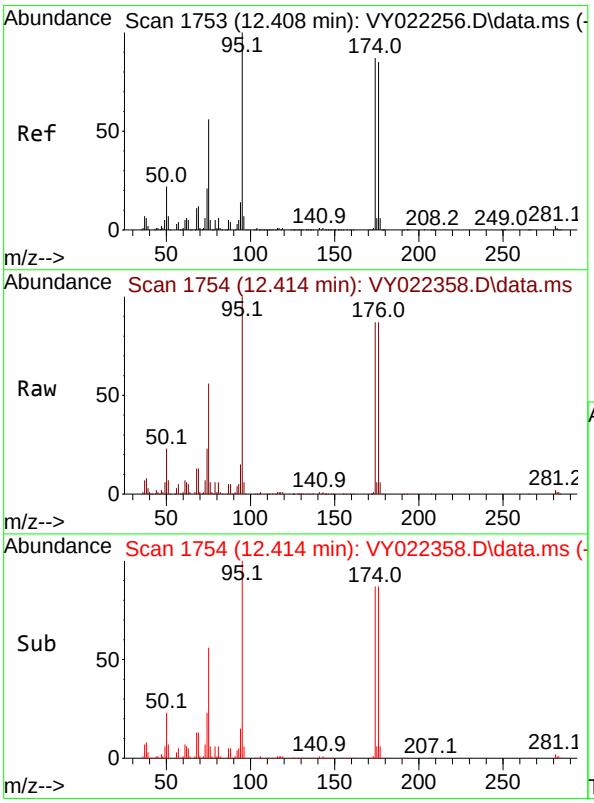
#50
Toluene-d8
Concen: 47.067 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Tgt Ion: 98 Resp: 473741

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8

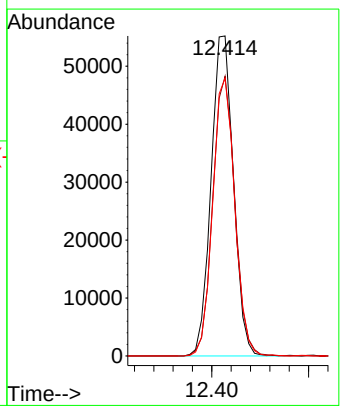


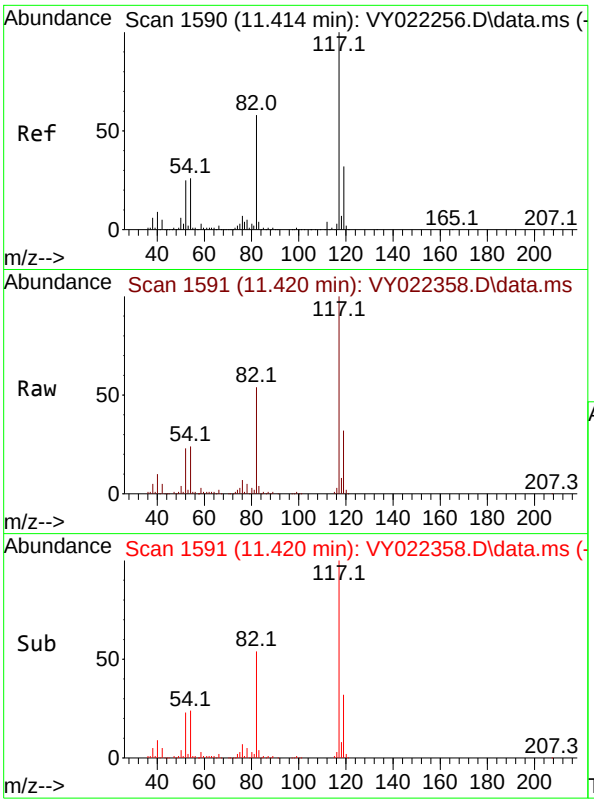


#62
4-Bromofluorobenzene
Concen: 27.811 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion: 95 Resp: 88724

Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	166.8
176	85.4	0.0	160.8



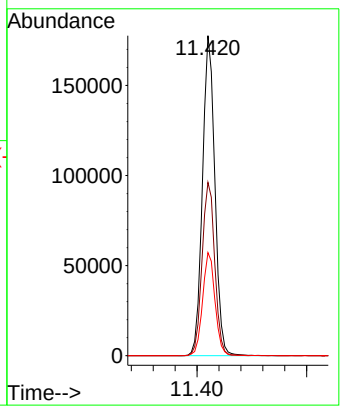


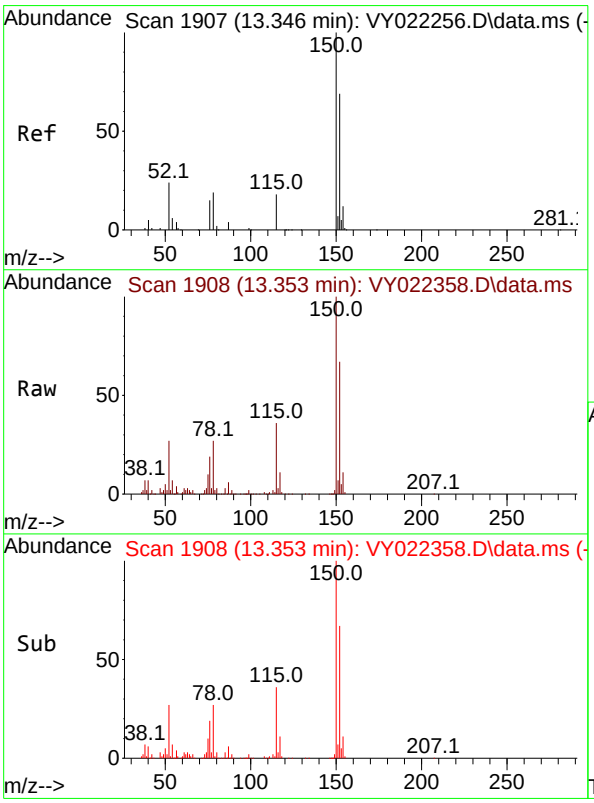
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Tgt Ion:117 Resp: 277651

Ion	Ratio	Lower	Upper
117	100		
82	54.2	46.6	70.0
119	32.2	25.8	38.6

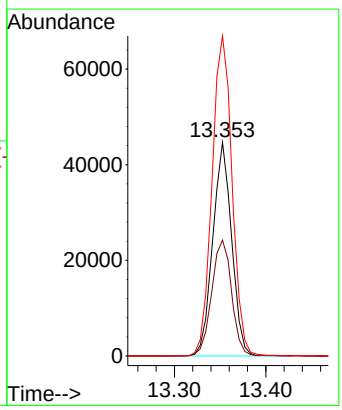




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022358.D
Acq: 21 May 2025 11:37

Tgt Ion:152 Resp: 64045

Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.4	88.2
150	159.2	0.0	353.8



Sample Results: **VY022358.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022358.D
Acq On : 21 May 2025 11:37
Operator : SY/MD
Sample : Q2056-05
Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022358.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	121	127	128	rBV5	10104	17099	1.33%	0.297%
2	4.622	465	476	487	rBV2	9083	27677	2.15%	0.480%
3	7.640	955	971	977	rBV	180315	432275	33.62%	7.497%
4	7.713	977	983	994	rVB2	313315	711413	55.33%	12.337%
5	8.067	1031	1041	1052	rBV	170329	376233	29.26%	6.525%
6	8.622	1123	1132	1142	rBV	490817	974796	75.82%	16.905%
7	10.109	1369	1376	1384	rBV	738631	1285746	100.00%	22.297%
8	10.176	1384	1387	1397	rVB2	9348	16365	1.27%	0.284%
9	11.420	1584	1591	1605	rBV	575069	910644	70.83%	15.792%
10	11.633	1619	1626	1634	rBV2	8809	15891	1.24%	0.276%
11	12.414	1747	1754	1764	rVB	314225	510931	39.74%	8.861%
12	13.353	1901	1908	1916	rBV	283069	427565	33.25%	7.415%
13	13.889	1990	1996	2002	rVB2	36742	59697	4.64%	1.035%

Sum of corrected areas: 5766332

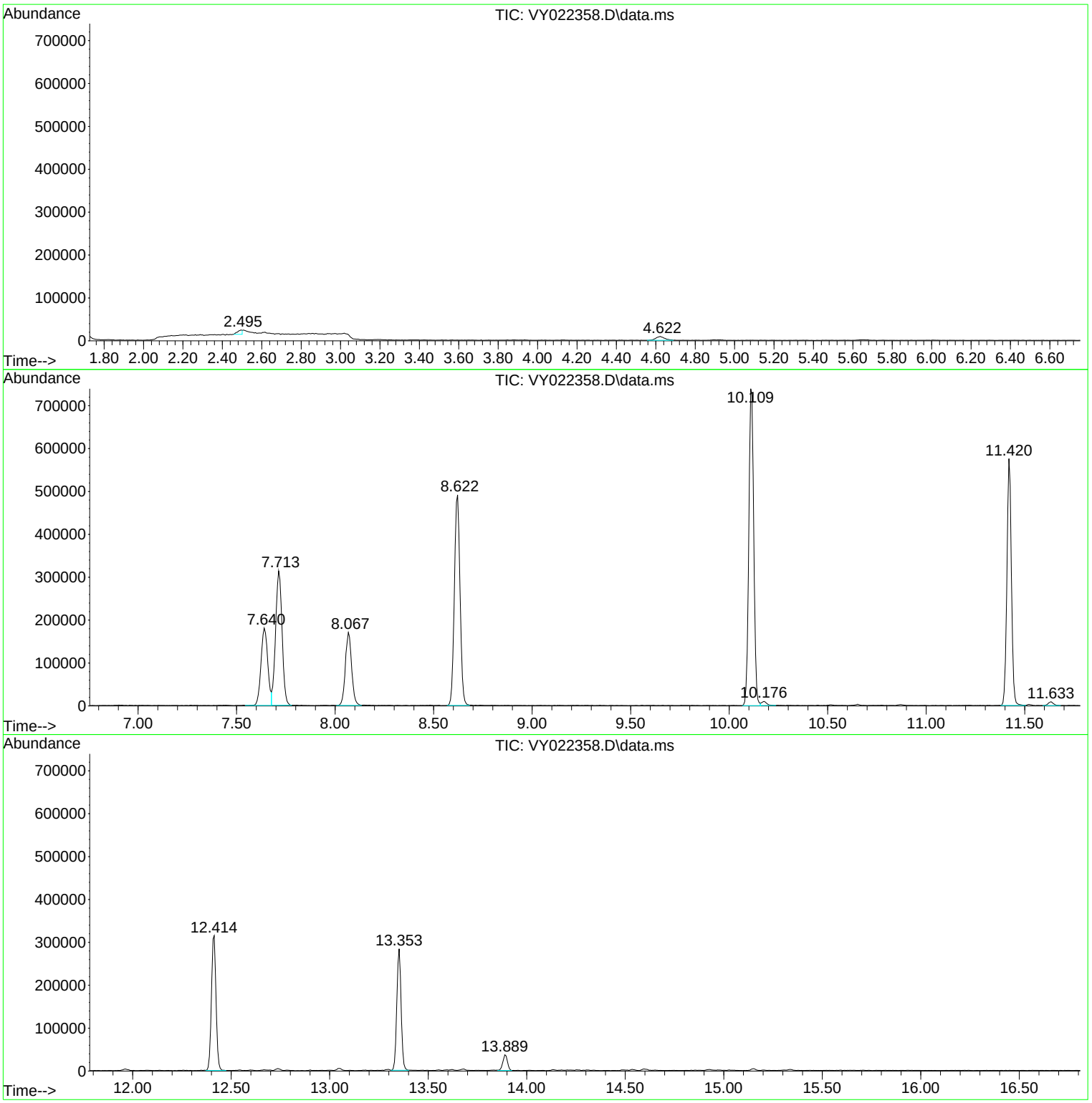
Sample Results: **VY022358.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022358.D
Acq On : 21 May 2025 11:37
Operator : SY/MD
Sample : Q2056-05
Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022358.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022358.D
Acq On : 21 May 2025 11:37
Operator : SY/MD
Sample : Q2056-05
Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022358.D
Acq On : 21 May 2025 11:37
Operator : SY/MD
Sample : Q2056-05
Misc : 6.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GVD15

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	# RT	Resp	Conc

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6
Tert butyl alcohol	0.045	0.045	0.037	0.039	0.042	0.042	0.042	7.7
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022253.D 10 =VY022254.D 20 =VY022255.D 50 =VY022256.D 100 =VY022257.D 150 =VY022258.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.51
3)	P	Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.72
4)	C	Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.91#
5)	T	Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.33
6)	T	Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.56
7)	T	Trichlorofluor...	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.64
8)	T	Diethyl Ether	0.305	0.320	0.283	0.294	0.295	0.291	0.298	4.33
9)	T	1,1,2-Trichlor...	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.50
10)	T	Methyl Iodide	0.559	0.586	0.620	0.687	0.651	0.638	0.624	7.35
11)	T	Tert butyl alc...	0.045	0.045	0.037	0.039	0.042	0.042	0.042	7.70
12)	CM	1,1-Dichloroet...	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.17#
13)	T	Acrolein	0.068	0.068	0.057	0.056	0.058	0.058	0.061	8.63
14)	T	Allyl chloride	0.888	0.967	0.949	0.959	0.932	0.931	0.938	3.00
15)	T	Acrylonitrile	0.123	0.126	0.115	0.120	0.127	0.126	0.123	3.79
16)	T	Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.64
17)	T	Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.20
18)	T	Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.55
19)	T	Methyl tert-bu...	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.22
20)	T	Methylene Chlo...	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.28
21)	T	trans-1,2-Dich...	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.22
22)	T	Diisopropyl ether	1.947	2.009	1.937	1.986	2.003	2.001	1.980	1.57
23)	T	Vinyl Acetate	1.214	1.225	1.134	1.174	1.214	1.218	1.196	2.99
24)	P	1,1-Dichloroet...	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.73
25)	T	2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.60
26)	T	2,2-Dichloropr...	0.994	1.024	0.971	0.987	0.961	0.968	0.984	2.33
27)	T	cis-1,2-Dichlo...	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.91
28)	T	Bromochloromet...	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.62
29)	T	Tetrahydrofuran	0.105	0.116	0.102	0.107	0.116	0.116	0.110	5.98
30)	C	Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.66#
31)	T	Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.63
32)	T	1,1,1-Trichlor...	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.43
33)	S	1,2-Dichloroet...	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.24
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.17
36)	T	1,1-Dichloropr...	0.474	0.502	0.488	0.505	0.484	0.496	0.492	2.39
37)	T	Ethyl Acetate	0.253	0.231	0.219	0.234	0.240	0.241	0.237	4.87
38)	T	Carbon Tetrach...	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.18
39)	T	Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.30
40)	TM	Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.37
41)	T	Methacrylonitrile	0.153	0.182	0.148	0.158	0.148	0.152	0.157	8.18
42)	TM	1,2-Dichloroet...	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.86
43)	T	Isopropyl Acetate	0.510	0.527	0.480	0.514	0.534	0.530	0.516	3.83
44)	TM	Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.48
45)	C	1,2-Dichloropr...	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.58#
46)	T	Dibromomethane	0.189	0.192	0.180	0.189	0.193	0.194	0.189	2.59
47)	T	Bromodichlorom...	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.42
48)	T	Methyl methacr...	0.228	0.238	0.224	0.240	0.259	0.259	0.241	6.19
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.33
50)	S	Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.26
51)	T	4-Methyl-2-Pen...	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.43
52)	CM	Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.82#
53)	T	t-1,3-Dichloro...	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.71
54)	T	cis-1,3-Dichlo...	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.22
55)	T	1,1,2-Trichlor...	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.42
56)	T	Ethyl methacry...	0.370	0.362	0.354	0.381	0.398	0.403	0.378	5.26

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y051525S.M

57)	T	1,3-Dichloropr...	0.418	0.436	0.413	0.438	0.442	0.440	0.431	2.80
58)	T	2-Chloroethyl ...	0.141	0.150	0.144	0.183	0.197	0.203	0.170	16.60
59)	T	2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.38
60)	T	Dibromochlorom...	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.88
61)	T	1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.22
62)	S	4-Bromofluorob...	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.25
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.37
65)	PM	Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.87
66)	T	1,1,1,2-Tetrac...	0.373	0.377	0.372	0.394	0.399	0.411	0.388	4.14
67)	C	Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.13#
68)	T	m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.16
69)	T	o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.93
70)	T	Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.28
71)	P	Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.53
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.60
74)	T	N-amyl acetate	1.195	1.173	1.114	1.159	1.235	1.232	1.185	3.91
75)	P	1,1,2,2-Tetrac...	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.77
76)	T	1,2,3-Trichlor...	0.522	0.467	0.516	0.501	0.521	0.514	0.507	4.12
77)	T	Bromobenzene	0.887	0.885	0.848	0.895	0.889	0.904	0.885	2.17
78)	T	n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.93
79)	T	2-Chlorotoluene	2.715	2.786	2.694	2.804	2.704	2.772	2.746	1.71
80)	T	1,3,5-Trimethy...	3.393	3.386	3.275	3.410	3.251	3.349	3.344	1.98
81)	T	trans-1,4-Dich...	0.269	0.260	0.241	0.237	0.246	0.248	0.250	4.80
82)	T	4-Chlorotoluene	2.801	2.829	2.744	2.907	2.797	2.867	2.824	2.02
83)	T	tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.29
84)	T	1,2,4-Trimethy...	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.07
85)	T	sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.24
86)	T	p-Isopropyltol...	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.72
87)	T	1,3-Dichlorobe...	1.757	1.774	1.715	1.838	1.839	1.914	1.806	3.96
88)	T	1,4-Dichlorobe...	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.39
89)	T	n-Butylbenzene	3.419	3.500	3.490	3.668	3.452	3.533	3.510	2.47
90)	T	Hexachloroethane	0.773	0.759	0.736	0.761	0.726	0.740	0.749	2.36
91)	T	1,2-Dichlorobe...	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.27
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.68
93)	T	1,2,4-Trichlor...	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.23
94)	T	Hexachlorobuta...	0.511	0.485	0.496	0.502	0.474	0.464	0.489	3.56
95)	T	Naphthalene	1.704	1.579	1.527	1.653	1.778	1.737	1.663	5.78
96)	T	1,2,3-Trichlor...	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.64

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	276170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	174003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15118	5.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.020%#		
35) Dibromofluoromethane	7.634	113	13854	4.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.860%#		
50) Toluene-d8	10.109	98	57575	5.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.020%#		
62) 4-Bromofluorobenzene	12.408	95	18328	5.028	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.060%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15071	5.230	ug/l	96
3) Chloromethane	2.068	50	33477	5.523	ug/l	100
4) Vinyl Chloride	2.208	62	34943	5.159	ug/l	96
5) Bromomethane	2.598	94	30561	5.543	ug/l	99
6) Chloroethane	2.739	64	20741	4.923	ug/l	97
7) Trichlorofluoromethane	3.056	101	34641	5.052	ug/l	98
8) Diethyl Ether	3.458	74	8435	5.126	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	15124	5.081	ug/l	95
10) Methyl Iodide	4.013	142	15449	4.484	ug/l	99
11) Tert butyl alcohol	4.879	59	6159	26.722	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	15064	5.099	ug/l	93
13) Acrolein	3.653	56	9366	27.796	ug/l	94
14) Allyl chloride	4.385	41	24537	4.737	ug/l	94
15) Acrylonitrile	5.061	53	17036	25.125	ug/l	100
16) Acetone	3.879	43	17340	30.639	ug/l	91
17) Carbon Disulfide	4.110	76	48817	5.068	ug/l	99
18) Methyl Acetate	4.391	43	9639m	5.597	ug/l	
19) Methyl tert-butyl Ether	5.128	73	40392	4.959	ug/l	97
20) Methylene Chloride	4.610	84	22002	6.016	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	15943	4.889	ug/l	85
22) Diisopropyl ether	6.025	45	53760	4.915	ug/l	97
23) Vinyl Acetate	5.964	43	167594	25.361	ug/l	96
24) 1,1-Dichloroethane	5.921	63	30712	5.026	ug/l	97
25) 2-Butanone	6.903	43	24805	26.203	ug/l	91
26) 2,2-Dichloropropane	6.884	77	27440	5.048	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	18276	4.857	ug/l	98
28) Bromochloromethane	7.250	49	12774	4.901	ug/l	98
29) Tetrahydrofuran	7.268	42	14502	23.811	ug/l	93
30) Chloroform	7.421	83	28505	4.863	ug/l	94
31) Cyclohexane	7.701	56	35904	5.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	27801	5.170	ug/l	96
36) 1,1-Dichloropropene	7.841	75	22314	4.824	ug/l	97
37) Ethyl Acetate	6.994	43	11910	5.352	ug/l	96
38) Carbon Tetrachloride	7.823	117	22826	4.768	ug/l	98
39) Methylcyclohexane	9.109	83	31218	5.024	ug/l	98
40) Benzene	8.085	78	64430	4.699	ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	7201m	4.422	ug/l		
42) 1,2-Dichloroethane	8.158	62	17934	4.837	ug/l		97
43) Isopropyl Acetate	8.201	43	23979	4.941	ug/l		99
44) Trichloroethene	8.872	130	16852	4.943	ug/l		95
45) 1,2-Dichloropropane	9.146	63	15855	4.796	ug/l		95
46) Dibromomethane	9.238	93	8879	4.980	ug/l		92
47) Bromodichloromethane	9.427	83	21906	4.736	ug/l	#	95
48) Methyl methacrylate	9.225	41	10729	4.727	ug/l		98
49) 1,4-Dioxane	9.244	88	1962	97.404	ug/l	#	78
51) 4-Methyl-2-Pentanone	10.000	43	55880	23.464	ug/l		97
52) Toluene	10.170	92	41001	4.722	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	21842	4.839	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	24609	4.758	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	11333	4.964	ug/l	#	89
56) Ethyl methacrylate	10.438	69	17420	4.898	ug/l		98
57) 1,3-Dichloropropane	10.725	76	19684	4.852	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	33215	20.807	ug/l		100
59) 2-Hexanone	10.762	43	39307	24.617	ug/l		100
60) Dibromochloromethane	10.914	129	13908	4.693	ug/l		98
61) 1,2-Dibromoethane	11.018	107	10391	4.883	ug/l		94
64) Tetrachloroethene	10.652	164	18255	5.125	ug/l		96
65) Chlorobenzene	11.444	112	42844	4.927	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	14385	4.812	ug/l		99
67) Ethyl Benzene	11.524	91	77606	4.766	ug/l		99
68) m/p-Xylenes	11.633	106	57721	9.407	ug/l		99
69) o-Xylene	11.957	106	27130	4.673	ug/l		99
70) Styrene	11.975	104	45556	4.652	ug/l		99
71) Bromoform	12.133	173	7799	4.834	ug/l	#	94
73) Isopropylbenzene	12.255	105	72325	5.017	ug/l		98
74) N-amyl acetate	12.072	43	20793	5.043	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	11422	5.152	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	9076m	2.960	ug/l		
77) Bromobenzene	12.536	156	15441	5.015	ug/l		97
78) n-propylbenzene	12.597	91	87533	5.034	ug/l		98
79) 2-Chlorotoluene	12.682	91	47245	4.944	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	59031	5.073	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	4676	5.373	ug/l		97
82) 4-Chlorotoluene	12.780	91	48737	4.959	ug/l		98
83) tert-Butylbenzene	12.999	119	52841	5.109	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	55488	4.804	ug/l		97
85) sec-Butylbenzene	13.176	105	76384	4.975	ug/l		97
86) p-Isopropyltoluene	13.292	119	62608	4.849	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	30564	4.863	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	30610	5.063	ug/l		96
89) n-Butylbenzene	13.621	91	59485	4.869	ug/l		99
90) Hexachloroethane	13.883	117	13445	5.158	ug/l		96
91) 1,2-Dichlorobenzene	13.664	146	26556	5.030	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1865	5.217	ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	14961	4.906	ug/l		94
94) Hexachlorobutadiene	15.029	225	8887	5.226	ug/l		99
95) Naphthalene	15.151	128	29654	5.124	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	13097	5.063	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

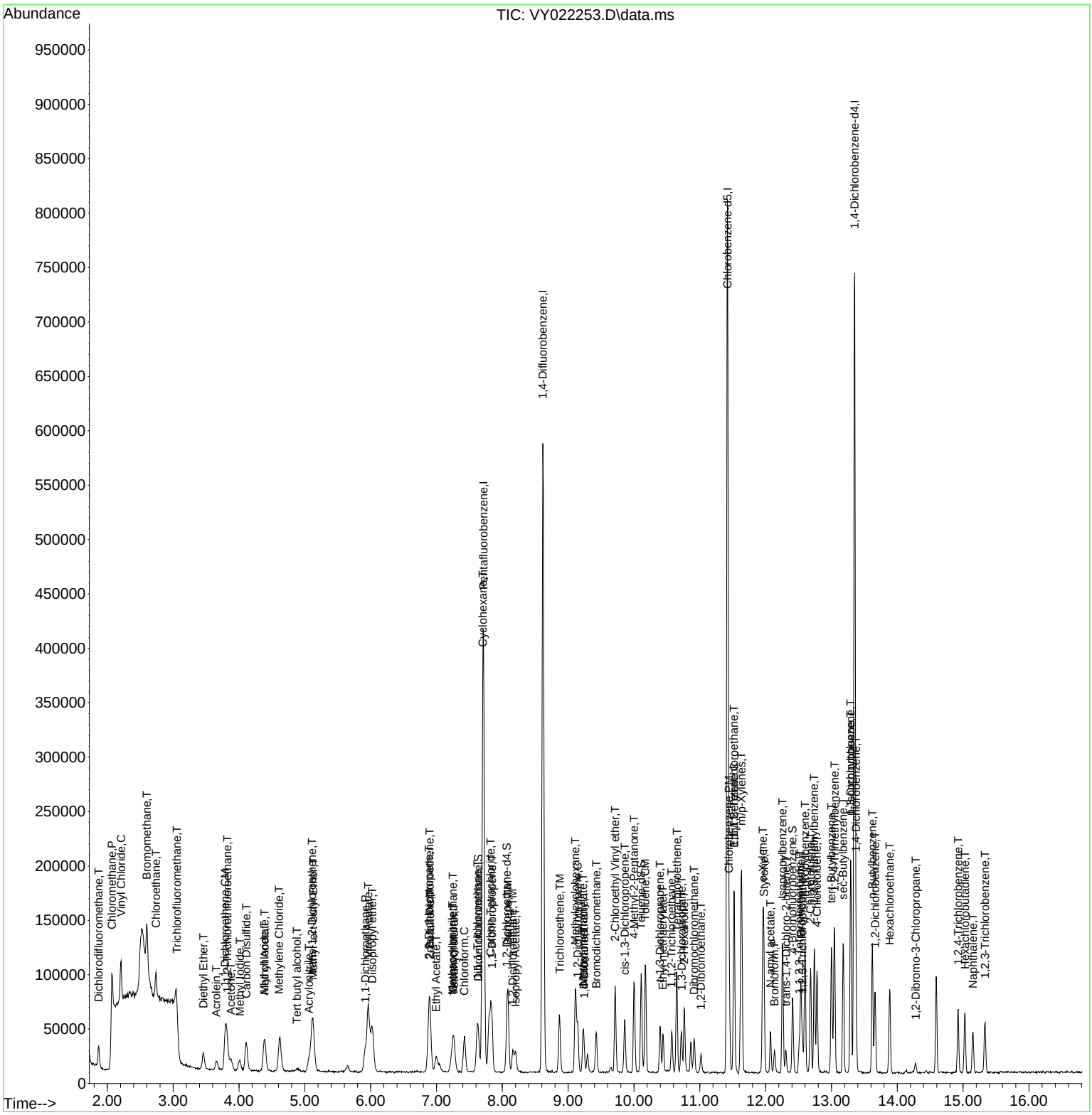
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	265034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	29608	10.222	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 20.440%#			
35) Dibromofluoromethane	7.634	113	26242	9.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.720%#			
50) Toluene-d8	10.109	98	107048	9.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 19.640%#			
62) 4-Bromofluorobenzene	12.408	95	34423	9.959	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 19.920%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	31097	11.245	ug/l	99
3) Chloromethane	2.068	50	65589	11.275	ug/l	98
4) Vinyl Chloride	2.202	62	69800	10.739	ug/l	95
5) Bromomethane	2.592	94	54773	10.352	ug/l	99
6) Chloroethane	2.732	64	43122	10.665	ug/l	99
7) Trichlorofluoromethane	3.056	101	68501	10.410	ug/l	99
8) Diethyl Ether	3.458	74	16945	10.730	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	30591	10.708	ug/l	99
10) Methyl Iodide	4.007	142	31088	9.402	ug/l	97
11) Tert butyl alcohol	4.878	59	12043	54.446	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	28831	10.170	ug/l	95
13) Acrolein	3.659	56	17927	55.439	ug/l	96
14) Allyl chloride	4.378	41	51275	10.315	ug/l	99
15) Acrylonitrile	5.061	53	33277	51.139	ug/l	100
16) Acetone	3.879	43	30229	55.657	ug/l	100
17) Carbon Disulfide	4.104	76	96591	10.448	ug/l	97
18) Methyl Acetate	4.385	43	16338	9.886	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	80714	10.326	ug/l	96
20) Methylene Chloride	4.622	84	42991	12.250	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	32258	10.309	ug/l	98
22) Diisopropyl ether	6.018	45	106493	10.145	ug/l	94
23) Vinyl Acetate	5.964	43	324651	51.192	ug/l	100
24) 1,1-Dichloroethane	5.915	63	60198	10.265	ug/l	97
25) 2-Butanone	6.896	43	48022	52.859	ug/l	98
26) 2,2-Dichloropropane	6.890	77	54264	10.403	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	36403	10.081	ug/l	98
28) Bromochloromethane	7.244	49	25664	10.259	ug/l	98
29) Tetrahydrofuran	7.274	42	30684	52.498	ug/l	98
30) Chloroform	7.421	83	57172	10.163	ug/l	100
31) Cyclohexane	7.701	56	63155	10.778	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	52856	10.242	ug/l	99
36) 1,1-Dichloropropene	7.835	75	44817	10.219	ug/l	97
37) Ethyl Acetate	6.994	43	20624	9.774	ug/l	97
38) Carbon Tetrachloride	7.817	117	46772	10.303	ug/l	97
39) Methylcyclohexane	9.109	83	60489	10.266	ug/l	98
40) Benzene	8.079	78	130423	10.032	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.250	41	16228m	10.510 ug/l		
42) 1,2-Dichloroethane	8.158	62	35565	10.115 ug/l		100
43) Isopropyl Acetate	8.201	43	47020	10.217 ug/l		98
44) Trichloroethene	8.865	130	32655	10.101 ug/l		99
45) 1,2-Dichloropropane	9.140	63	32172	10.264 ug/l		93
46) Dibromomethane	9.231	93	17134	10.135 ug/l		99
47) Bromodichloromethane	9.426	83	44045	10.042 ug/l		96
48) Methyl methacrylate	9.225	41	21202	9.851 ug/l		98
49) 1,4-Dioxane	9.231	88	3930	205.769 ug/l	#	75
51) 4-Methyl-2-Pentanone	9.999	43	110396	48.889 ug/l		100
52) Toluene	10.170	92	82453	10.015 ug/l		96
53) t-1,3-Dichloropropene	10.396	75	42158	9.849 ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	48923	9.976 ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	21720	10.033 ug/l		97
56) Ethyl methacrylate	10.438	69	32286	9.574 ug/l		98
57) 1,3-Dichloropropane	10.719	76	38908	10.115 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	66700	44.066 ug/l		100
59) 2-Hexanone	10.761	43	74432	49.162 ug/l		99
60) Dibromochloromethane	10.914	129	28002	9.965 ug/l		99
61) 1,2-Dibromoethane	11.018	107	20378	10.099 ug/l		99
64) Tetrachloroethene	10.646	164	36274	10.404 ug/l		99
65) Chlorobenzene	11.444	112	83730	9.839 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	28441	9.721 ug/l		97
67) Ethyl Benzene	11.517	91	154155	9.672 ug/l		97
68) m/p-Xylenes	11.627	106	116113	19.334 ug/l		99
69) o-Xylene	11.956	106	55896	9.837 ug/l		96
70) Styrene	11.969	104	91569	9.553 ug/l		99
71) Bromoform	12.133	173	16151	10.228 ug/l	#	95
73) Isopropylbenzene	12.255	105	144186	10.120 ug/l		99
74) N-amyl acetate	12.072	43	40345	9.901 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	22243	10.152 ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16056m	5.297 ug/l		
77) Bromobenzene	12.536	156	30445	10.005 ug/l		99
78) n-propylbenzene	12.597	91	173575	10.101 ug/l		100
79) 2-Chlorotoluene	12.682	91	95815	10.146 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	116461	10.126 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	8934	10.388 ug/l		94
82) 4-Chlorotoluene	12.779	91	97309	10.018 ug/l		99
83) tert-Butylbenzene	12.999	119	102274	10.005 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	115175	10.088 ug/l		99
85) sec-Butylbenzene	13.176	105	153443	10.112 ug/l		100
86) p-Isopropyltoluene	13.291	119	124147	9.728 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	61011	9.822 ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	60723	10.163 ug/l		97
89) n-Butylbenzene	13.621	91	120371	9.970 ug/l		99
90) Hexachloroethane	13.883	117	26089	10.127 ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	52282	10.020 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3588	10.155 ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	29073	9.646 ug/l		99
94) Hexachlorobutadiene	15.023	225	16686	9.927 ug/l		98
95) Naphthalene	15.145	128	54307	9.495 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	24790	9.696 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

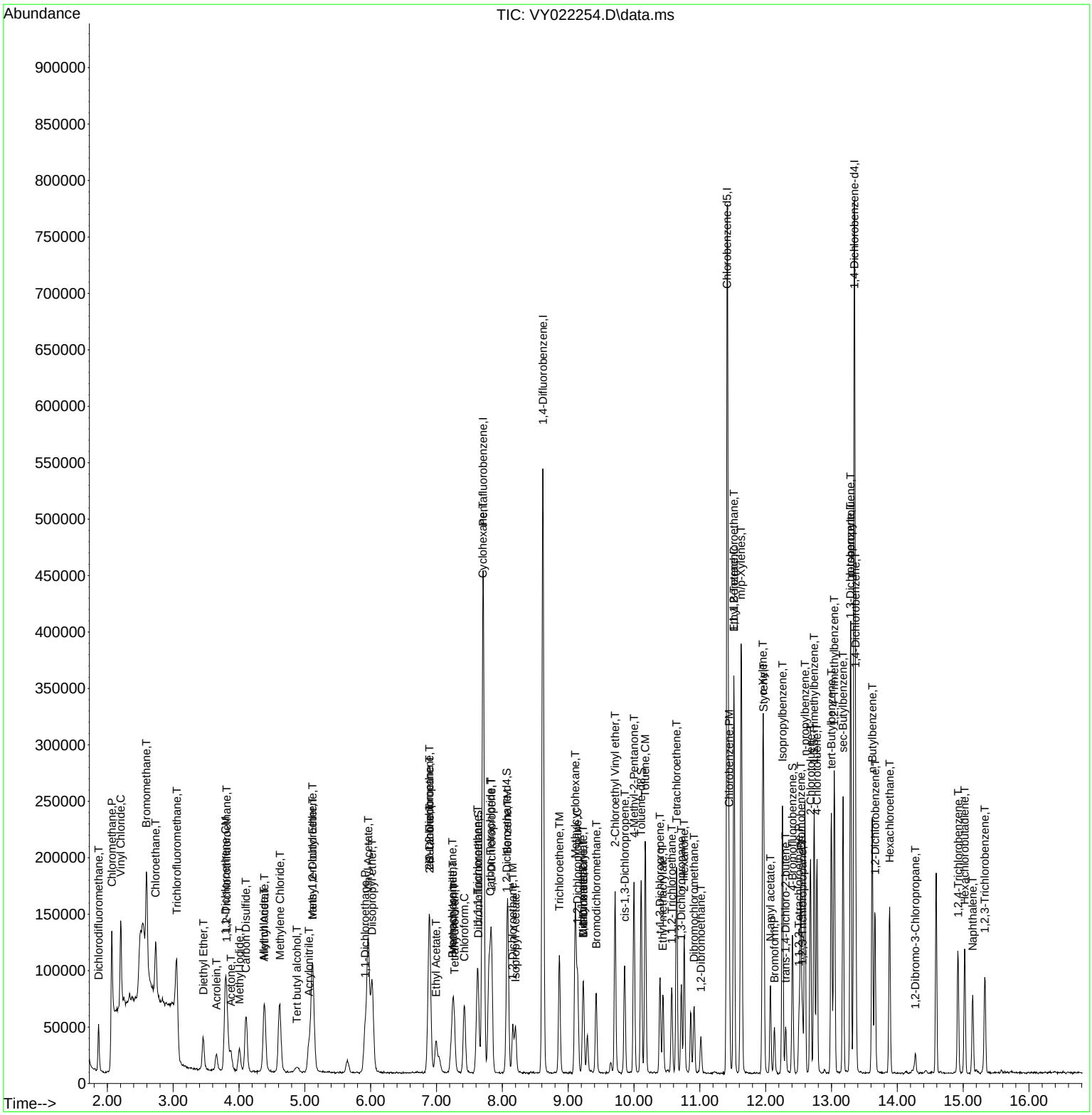
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	262008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55221	19.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.560%#		
35) Dibromofluoromethane	7.634	113	51670	19.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.360%#		
50) Toluene-d8	10.109	98	210206	19.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.100%#		
62) 4-Bromofluorobenzene	12.408	95	64706	18.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	56737	20.753	ug/l	99
3) Chloromethane	2.068	50	120819	21.008	ug/l	97
4) Vinyl Chloride	2.202	62	132511	20.623	ug/l	96
5) Bromomethane	2.592	94	110855	21.194	ug/l	99
6) Chloroethane	2.732	64	83451	20.877	ug/l	99
7) Trichlorofluoromethane	3.050	101	132029	20.295	ug/l	97
8) Diethyl Ether	3.458	74	29651	18.993	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	57012	20.187	ug/l	98
10) Methyl Iodide	4.001	142	65018	19.891	ug/l	98
11) Tert butyl alcohol	4.872	59	19585	89.565	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	56630	20.206	ug/l	98
13) Acrolein	3.653	56	30106	94.178	ug/l	91
14) Allyl chloride	4.385	41	99483	20.244	ug/l	100
15) Acrylonitrile	5.061	53	60119	93.456	ug/l	100
16) Acetone	3.873	43	50198	93.491	ug/l	96
17) Carbon Disulfide	4.104	76	184860	20.228	ug/l	99
18) Methyl Acetate	4.391	43	29969	18.344	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	145976	18.890	ug/l	100
20) Methylene Chloride	4.616	84	67687	19.510	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	63174	20.422	ug/l	97
22) Diisopropyl ether	6.019	45	202960	19.558	ug/l	99
23) Vinyl Acetate	5.958	43	594019	94.748	ug/l	99
24) 1,1-Dichloroethane	5.915	63	115217	19.873	ug/l	99
25) 2-Butanone	6.896	43	82768	92.157	ug/l	93
26) 2,2-Dichloropropane	6.890	77	101725	19.727	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	70008	19.611	ug/l	98
28) Bromochloromethane	7.244	49	48933	19.787	ug/l	100
29) Tetrahydrofuran	7.262	42	53229	92.122	ug/l	98
30) Chloroform	7.421	83	111815	20.107	ug/l	98
31) Cyclohexane	7.695	56	112876	19.486	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	100618	19.721	ug/l	100
36) 1,1-Dichloropropene	7.835	75	85789	19.841	ug/l	99
37) Ethyl Acetate	6.988	43	38482	18.497	ug/l	99
38) Carbon Tetrachloride	7.817	117	86871	19.410	ug/l	98
39) Methylcyclohexane	9.109	83	113511	19.540	ug/l	98
40) Benzene	8.079	78	252507	19.700	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.213	41	26008m	17.085	ug/l		
42)	1,2-Dichloroethane	8.158	62	66525	19.192	ug/l		99
43)	Isopropyl Acetate	8.201	43	84532	18.631	ug/l		97
44)	Trichloroethene	8.866	130	63438	19.904	ug/l		96
45)	1,2-Dichloropropane	9.140	63	60438	19.557	ug/l		100
46)	Dibromomethane	9.231	93	31752	19.050	ug/l		99
47)	Bromodichloromethane	9.426	83	83823	19.385	ug/l		96
48)	Methyl methacrylate	9.219	41	39387	18.563	ug/l		99
49)	1,4-Dioxane	9.237	88	7312	388.323	ug/l		93
51)	4-Methyl-2-Pentanone	9.999	43	202454	90.940	ug/l		99
52)	Toluene	10.170	92	156498	19.281	ug/l		100
53)	t-1,3-Dichloropropene	10.396	75	80413	19.056	ug/l		98
54)	cis-1,3-Dichloropropene	9.853	75	94074	19.458	ug/l		99
55)	1,1,2-Trichloroethane	10.573	97	40872	19.149	ug/l		99
56)	Ethyl methacrylate	10.438	69	62193	18.706	ug/l		97
57)	1,3-Dichloropropane	10.713	76	72715	19.175	ug/l		98
58)	2-Chloroethyl Vinyl ether	9.707	63	126240	84.595	ug/l		99
59)	2-Hexanone	10.762	43	132496	88.766	ug/l		100
60)	Dibromochloromethane	10.914	129	52353	18.898	ug/l		98
61)	1,2-Dibromoethane	11.012	107	37735	18.969	ug/l		99
64)	Tetrachloroethene	10.646	164	69548	20.332	ug/l		98
65)	Chlorobenzene	11.438	112	163725	19.610	ug/l		99
66)	1,1,1,2-Tetrachloroethane	11.518	131	55078	19.189	ug/l		98
67)	Ethyl Benzene	11.518	91	303375	19.402	ug/l		99
68)	m/p-Xylenes	11.627	106	225990	38.355	ug/l		100
69)	o-Xylene	11.956	106	106998	19.194	ug/l		100
70)	Styrene	11.969	104	179114	19.048	ug/l		99
71)	Bromoform	12.133	173	28788	18.582	ug/l	#	98
73)	Isopropylbenzene	12.255	105	282895	19.795	ug/l		100
74)	N-amyl acetate	12.072	43	76841	18.799	ug/l		98
75)	1,1,2,2-Tetrachloroethane	12.505	83	40064	18.228	ug/l		97
76)	1,2,3-Trichloropropane	12.554	75	35574m	11.701	ug/l		
77)	Bromobenzene	12.530	156	58515	19.170	ug/l		99
78)	n-propylbenzene	12.597	91	338383	19.630	ug/l		99
79)	2-Chlorotoluene	12.682	91	185872	19.621	ug/l		99
80)	1,3,5-Trimethylbenzene	12.737	105	225966	19.587	ug/l		99
81)	trans-1,4-Dichloro-2-b...	12.304	75	16653	19.302	ug/l		97
82)	4-Chlorotoluene	12.779	91	189350	19.433	ug/l		100
83)	tert-Butylbenzene	12.999	119	200101	19.515	ug/l		99
84)	1,2,4-Trimethylbenzene	13.042	105	221194	19.315	ug/l		98
85)	sec-Butylbenzene	13.176	105	297975	19.576	ug/l		100
86)	p-Isopropyltoluene	13.292	119	246569	19.261	ug/l		99
87)	1,3-Dichlorobenzene	13.285	146	118336	18.991	ug/l		99
88)	1,4-Dichlorobenzene	13.365	146	117705	19.638	ug/l		99
89)	n-Butylbenzene	13.615	91	240857	19.887	ug/l		99
90)	Hexachloroethane	13.877	117	50762	19.643	ug/l		98
91)	1,2-Dichlorobenzene	13.657	146	102077	19.502	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.273	75	6387	18.021	ug/l		98
93)	1,2,4-Trichlorobenzene	14.919	180	58490	19.346	ug/l		99
94)	Hexachlorobutadiene	15.023	225	34228	20.301	ug/l		100
95)	Naphthalene	15.145	128	105350	18.362	ug/l		100
96)	1,2,3-Trichlorobenzene	15.328	180	48444	18.888	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

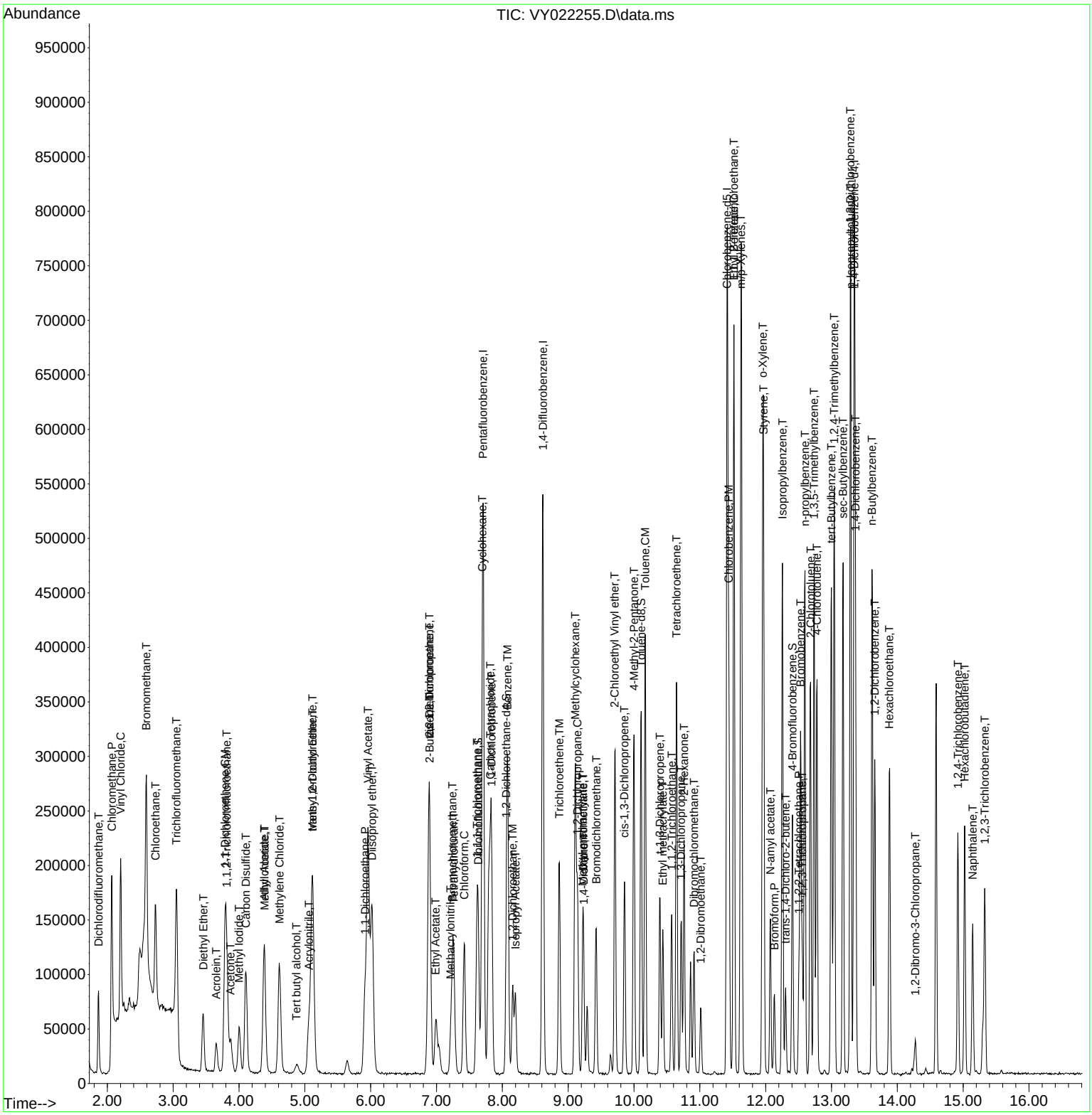
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	267598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144713	49.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.960%			
35) Dibromofluoromethane	7.634	113	132404	50.495	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.103	98	540296	50.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.408	95	169827	49.891	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	135726	48.608	ug/l	100
3) Chloromethane	2.062	50	278892	47.481	ug/l	100
4) Vinyl Chloride	2.202	62	323792	49.341	ug/l	100
5) Bromomethane	2.592	94	234736	43.941	ug/l	100
6) Chloroethane	2.732	64	202370	49.569	ug/l	100
7) Trichlorofluoromethane	3.050	101	324887	48.898	ug/l	100
8) Diethyl Ether	3.452	74	78670	49.338	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	144018	49.930	ug/l	100
10) Methyl Iodide	4.007	142	183918	55.091	ug/l	100
11) Tert butyl alcohol	4.872	59	51598	231.036	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	144103	50.344	ug/l	100
13) Acrolein	3.653	56	75423	231.010	ug/l	100
14) Allyl chloride	4.379	41	256499	51.106	ug/l	100
15) Acrylonitrile	5.061	53	160496	244.283	ug/l	100
16) Acetone	3.873	43	124421	226.888	ug/l	100
17) Carbon Disulfide	4.104	76	468979	50.244	ug/l	100
18) Methyl Acetate	4.385	43	80820	48.436	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	390412	49.466	ug/l	100
20) Methylene Chloride	4.616	84	159764	45.087	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	158544	50.181	ug/l	100
22) Diisopropyl ether	6.019	45	531560	50.152	ug/l	100
23) Vinyl Acetate	5.958	43	1570214	245.223	ug/l	100
24) 1,1-Dichloroethane	5.915	63	298823	50.465	ug/l	100
25) 2-Butanone	6.896	43	215828	235.291	ug/l	100
26) 2,2-Dichloropropane	6.884	77	264141	50.153	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	184842	50.698	ug/l	100
28) Bromochloromethane	7.244	49	126541	50.100	ug/l	100
29) Tetrahydrofuran	7.262	42	142772	241.931	ug/l	100
30) Chloroform	7.421	83	288708	50.831	ug/l	100
31) Cyclohexane	7.701	56	282375	47.728	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	259382	49.777	ug/l	100
36) 1,1-Dichloropropene	7.835	75	221943	51.388	ug/l	100
37) Ethyl Acetate	6.988	43	102924	49.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	226903	50.754	ug/l	100
39) Methylcyclohexane	9.109	83	294336	50.726	ug/l	100
40) Benzene	8.079	78	658644	51.442	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	69476m	45.691 ug/l		
42) 1,2-Dichloroethane	8.158	62	176425	50.954 ug/l		100
43) Isopropyl Acetate	8.195	43	225628	49.785 ug/l		100
44) Trichloroethene	8.866	130	162802	51.138 ug/l		100
45) 1,2-Dichloropropane	9.140	63	156870	50.819 ug/l		100
46) Dibromomethane	9.231	93	82994	49.849 ug/l		100
47) Bromodichloromethane	9.420	83	222159	51.435 ug/l		100
48) Methyl methacrylate	9.219	41	105390	49.726 ug/l		100
49) 1,4-Dioxane	9.231	88	18027	958.446 ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	556123	250.085 ug/l		100
52) Toluene	10.170	92	414584	51.134 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	213993	50.768 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	246990	51.143 ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	106676	50.036 ug/l		100
56) Ethyl methacrylate	10.438	69	167259	50.364 ug/l		100
57) 1,3-Dichloropropane	10.719	76	192275	50.759 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	403074	270.408 ug/l		100
59) 2-Hexanone	10.762	43	365111	244.881 ug/l		100
60) Dibromochloromethane	10.908	129	141896	51.278 ug/l		100
61) 1,2-Dibromoethane	11.012	107	99822	50.236 ug/l		100
64) Tetrachloroethene	10.646	164	178854	51.249 ug/l		100
65) Chlorobenzene	11.438	112	435874	51.169 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	148798	50.811 ug/l		100
67) Ethyl Benzene	11.518	91	821168	51.473 ug/l		100
68) m/p-Xylenes	11.627	106	617646	102.746 ug/l		100
69) o-Xylene	11.950	106	289897	50.971 ug/l		100
70) Styrene	11.969	104	491792	51.260 ug/l		100
71) Bromoform	12.133	173	78794	49.849 ug/l	#	100
73) Isopropylbenzene	12.255	105	756905	50.657 ug/l		100
74) N-amyl acetate	12.066	43	209097	48.930 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	113234	49.277 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	90281m	28.402 ug/l		
77) Bromobenzene	12.530	156	161475	50.599 ug/l		100
78) n-propylbenzene	12.597	91	924664	51.306 ug/l		100
79) 2-Chlorotoluene	12.676	91	505684	51.058 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	615033	50.991 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	42692	47.331 ug/l		100
82) 4-Chlorotoluene	12.773	91	524270	51.464 ug/l		100
83) tert-Butylbenzene	12.999	119	546231	50.952 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	615550	51.410 ug/l		100
85) sec-Butylbenzene	13.176	105	824725	51.825 ug/l		100
86) p-Isopropyltoluene	13.292	119	688561	51.446 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	331536	50.890 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	315598	50.363 ug/l		100
89) n-Butylbenzene	13.615	91	661532	52.245 ug/l		100
90) Hexachloroethane	13.877	117	137225	50.791 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	276666	50.558 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18039	48.682 ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	162275	51.338 ug/l		100
94) Hexachlorobutadiene	15.023	225	90452	51.313 ug/l		100
95) Naphthalene	15.145	128	298075	49.692 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	135673	50.596 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

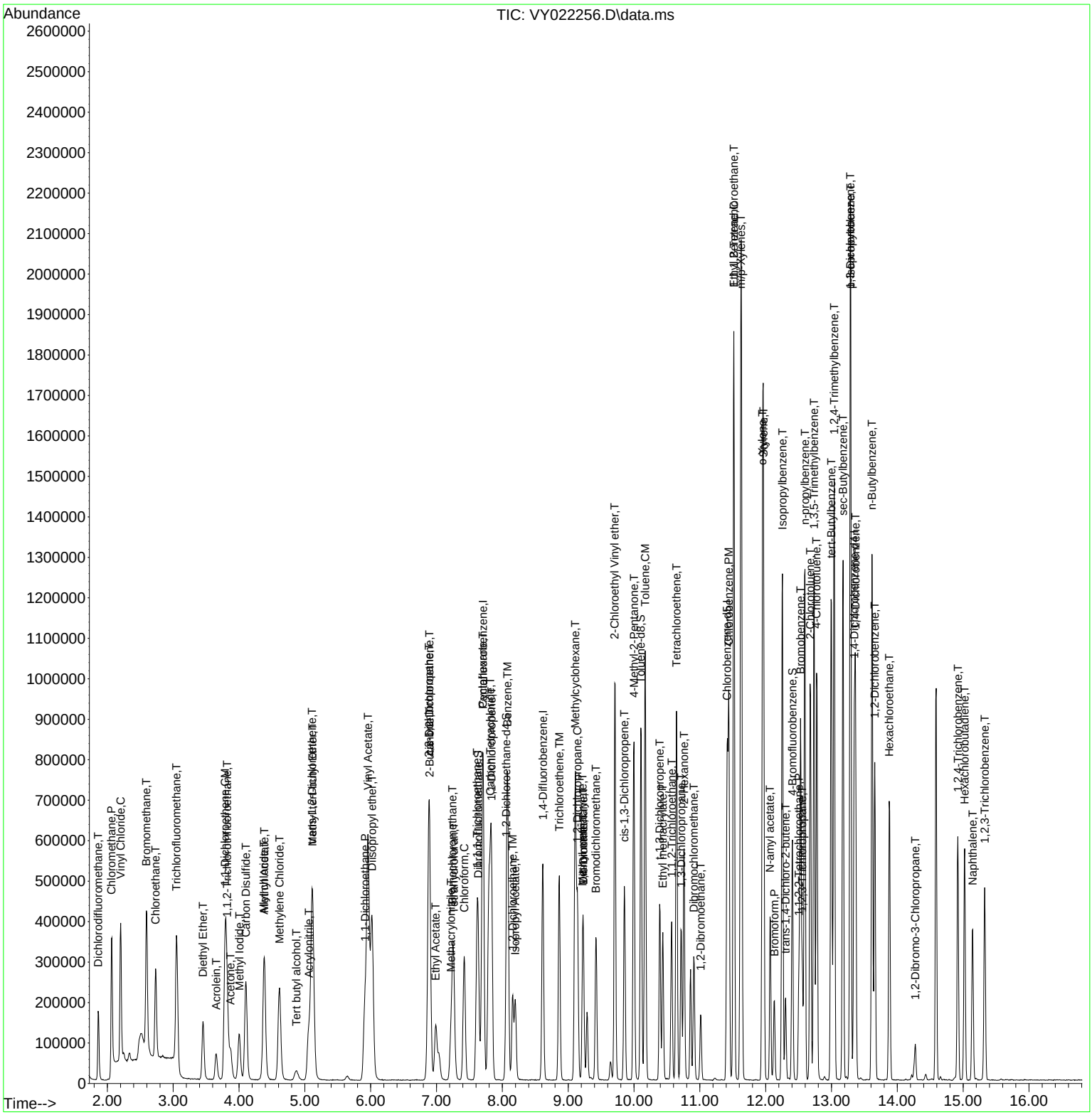
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	292533	99.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.460%#			
35) Dibromofluoromethane	7.634	113	262995	99.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 198.780%#			
50) Toluene-d8	10.103	98	1076035	99.289	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.580%#			
62) 4-Bromofluorobenzene	12.408	95	343397	99.968	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 199.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	252438	90.138	ug/l	99
3) Chloromethane	2.062	50	561441	95.302	ug/l	100
4) Vinyl Chloride	2.202	62	639001	97.085	ug/l	96
5) Bromomethane	2.586	94	512452	95.642	ug/l	98
6) Chloroethane	2.732	64	393556	96.113	ug/l	99
7) Trichlorofluoromethane	3.049	101	650265	97.581	ug/l	100
8) Diethyl Ether	3.452	74	158375	99.031	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	272288	94.120	ug/l	99
10) Methyl Iodide	4.000	142	349345	104.334	ug/l	100
11) Tert butyl alcohol	4.872	59	112593	502.655	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	277897	96.798	ug/l	97
13) Acrolein	3.653	56	156649	478.373	ug/l	99
14) Allyl chloride	4.378	41	500514	99.429	ug/l	100
15) Acrylonitrile	5.055	53	340325	516.458	ug/l	99
16) Acetone	3.872	43	252327	458.767	ug/l	99
17) Carbon Disulfide	4.104	76	901081	96.251	ug/l	99
18) Methyl Acetate	4.385	43	185837	111.043	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	807404	101.997	ug/l	98
20) Methylene Chloride	4.610	84	305912	86.076	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	311460	98.288	ug/l	97
22) Diisopropyl ether	6.018	45	1075035	101.128	ug/l	99
23) Vinyl Acetate	5.957	43	3259000	507.456	ug/l	100
24) 1,1-Dichloroethane	5.915	63	586479	98.750	ug/l	99
25) 2-Butanone	6.890	43	467301	507.932	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515990	97.682	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	368826	100.861	ug/l	100
28) Bromochloromethane	7.244	49	251676	99.349	ug/l	100
29) Tetrahydrofuran	7.262	42	312286	527.609	ug/l	100
30) Chloroform	7.421	83	565823	99.326	ug/l	98
31) Cyclohexane	7.701	56	535839	90.301	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	506927	96.995	ug/l	100
36) 1,1-Dichloropropene	7.835	75	429153	98.465	ug/l	99
37) Ethyl Acetate	6.982	43	213152	101.642	ug/l	99
38) Carbon Tetrachloride	7.817	117	451589	100.097	ug/l	98
39) Methylcyclohexane	9.109	83	566259	96.704	ug/l	98
40) Benzene	8.079	78	1313733	101.677	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	131157m	85.474	ug/l		
42) 1,2-Dichloroethane	8.158	62	356974	102.165	ug/l		100
43) Isopropyl Acetate	8.195	43	473430	103.517	ug/l		99
44) Trichloroethene	8.865	130	315543	98.218	ug/l		97
45) 1,2-Dichloropropane	9.140	63	314179	100.858	ug/l		98
46) Dibromomethane	9.231	93	170712	101.606	ug/l		99
47) Bromodichloromethane	9.420	83	446829	102.514	ug/l		99
48) Methyl methacrylate	9.219	41	229512	107.308	ug/l		100
49) 1,4-Dioxane	9.231	88	37780	1990.455	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1218685	543.068	ug/l		100
52) Toluene	10.170	92	839400	102.593	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	441672	103.832	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	498023	102.190	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	219460	102.005	ug/l		99
56) Ethyl methacrylate	10.438	69	353013	105.335	ug/l		98
57) 1,3-Dichloropropane	10.719	76	391514	102.420	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	872907	580.295	ug/l		99
59) 2-Hexanone	10.761	43	809288	537.872	ug/l		100
60) Dibromochloromethane	10.908	129	292143	104.616	ug/l		99
61) 1,2-Dibromoethane	11.011	107	207266	103.362	ug/l		99
64) Tetrachloroethene	10.646	164	343677	96.489	ug/l		99
65) Chlorobenzene	11.438	112	881086	101.346	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	307866	103.007	ug/l		99
67) Ethyl Benzene	11.517	91	1674355	102.836	ug/l		99
68) m/p-Xylenes	11.627	106	1271299	207.213	ug/l		100
69) o-Xylene	11.956	106	602390	103.777	ug/l		99
70) Styrene	11.969	104	1028498	105.038	ug/l		100
71) Bromoform	12.133	173	168679	104.561	ug/l	#	99
73) Isopropylbenzene	12.255	105	1528857	97.241	ug/l		99
74) N-amyl acetate	12.066	43	468707	104.235	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244830	101.255	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	197600m	59.078	ug/l		
77) Bromobenzene	12.529	156	337329	100.456	ug/l		99
78) n-propylbenzene	12.597	91	1846449	97.365	ug/l		100
79) 2-Chlorotoluene	12.676	91	1026401	98.488	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1233838	97.216	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	93252	98.251	ug/l		98
82) 4-Chlorotoluene	12.779	91	1061772	99.052	ug/l		99
83) tert-Butylbenzene	12.999	119	1092617	96.859	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1263612	100.297	ug/l		100
85) sec-Butylbenzene	13.176	105	1634720	97.623	ug/l		100
86) p-Isopropyltoluene	13.291	119	1424684	101.161	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	697868	101.803	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	654104	99.199	ug/l		99
89) n-Butylbenzene	13.615	91	1310061	98.327	ug/l		99
90) Hexachloroethane	13.877	117	275652	96.961	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	576915	100.192	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41275	105.859	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	342939	103.107	ug/l		100
94) Hexachlorobutadiene	15.023	225	180060	97.075	ug/l		100
95) Naphthalene	15.145	128	674950	106.935	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	294823	104.488	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 16 01:24:09 2025
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Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
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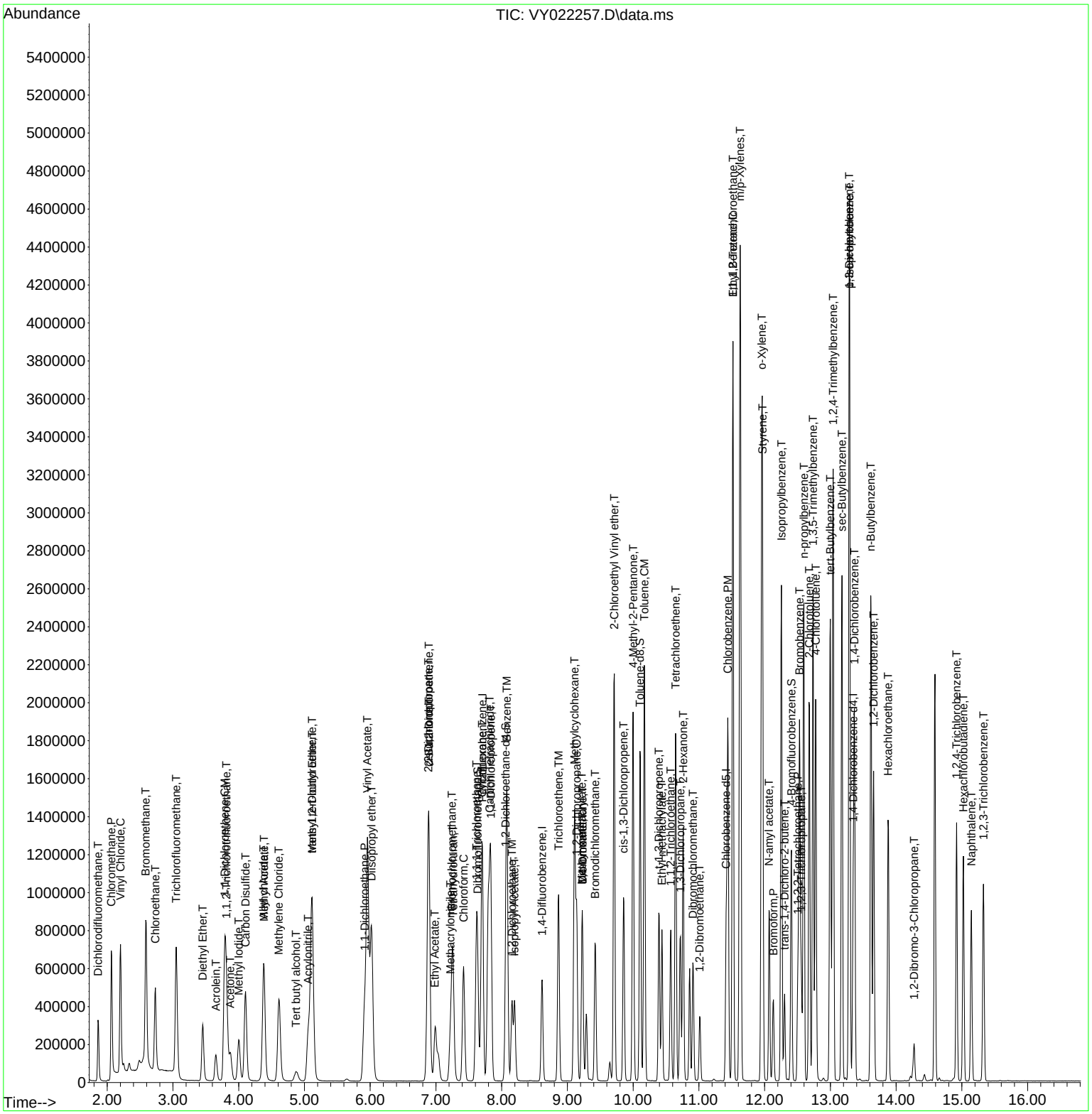
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455385	153.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.480%#			
35) Dibromofluoromethane	7.634	113	412318	155.969	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.940%#			
50) Toluene-d8	10.103	98	1689714	156.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.120%#			
62) 4-Bromofluorobenzene	12.402	95	541367	157.751	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 315.500%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	389593	137.760	ug/l	100
3) Chloromethane	2.068	50	727243	122.246	ug/l	99
4) Vinyl Chloride	2.202	62	902596	135.801	ug/l	97
5) Bromomethane	2.586	94	780107	144.182	ug/l	99
6) Chloroethane	2.727	64	590870	142.898	ug/l	98
7) Trichlorofluoromethane	3.050	101	989291	147.013	ug/l	99
8) Diethyl Ether	3.452	74	236216	146.270	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	422397	144.588	ug/l	100
10) Methyl Iodide	4.001	142	518980	153.489	ug/l	98
11) Tert butyl alcohol	4.866	59	172549	762.834	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	425285	146.697	ug/l	97
13) Acrolein	3.653	56	237291	717.595	ug/l	98
14) Allyl chloride	4.379	41	756728	148.866	ug/l	100
15) Acrylonitrile	5.055	53	512850	770.708	ug/l	100
16) Acetone	3.873	43	375443	675.976	ug/l	99
17) Carbon Disulfide	4.104	76	1365378	144.429	ug/l	100
18) Methyl Acetate	4.385	43	282084	166.915	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1225258	153.279	ug/l	98
20) Methylene Chloride	4.616	84	448817	125.059	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	472143	147.547	ug/l	99
22) Diisopropyl ether	6.019	45	1626927	151.557	ug/l	99
23) Vinyl Acetate	5.958	43	4953644	763.831	ug/l	100
24) 1,1-Dichloroethane	5.915	63	879785	146.697	ug/l	99
25) 2-Butanone	6.890	43	708010	762.091	ug/l	98
26) 2,2-Dichloropropane	6.884	77	787195	147.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	563503	152.601	ug/l	100
28) Bromochloromethane	7.244	49	387221	151.369	ug/l	100
29) Tetrahydrofuran	7.262	42	472224	790.072	ug/l	100
30) Chloroform	7.421	83	859317	149.381	ug/l	98
31) Cyclohexane	7.701	56	821784	137.144	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	784014	148.554	ug/l	99
36) 1,1-Dichloropropene	7.835	75	658871	151.316	ug/l	99
37) Ethyl Acetate	6.982	43	320686	153.067	ug/l	99
38) Carbon Tetrachloride	7.817	117	696139	154.450	ug/l	100
39) Methylcyclohexane	9.110	83	886329	151.510	ug/l	98
40) Benzene	8.079	78	1987535	153.973	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	202603m	132.161 ug/l		
42) 1,2-Dichloroethane	8.159	62	534517	153.124 ug/l		99
43) Isopropyl Acetate	8.195	43	704366	154.159 ug/l	#	89
44) Trichloroethene	8.866	130	481990	150.171 ug/l		96
45) 1,2-Dichloropropane	9.140	63	472217	151.736 ug/l		97
46) Dibromomethane	9.231	93	258087	153.757 ug/l		99
47) Bromodichloromethane	9.420	83	669834	153.824 ug/l		99
48) Methyl methacrylate	9.219	41	344147	161.060 ug/l		99
49) 1,4-Dioxane	9.231	88	61019	3217.888 ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1829015	815.822 ug/l		99
52) Toluene	10.170	92	1276917	156.216 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	663513	156.134 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	754493	154.963 ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	330716	153.863 ug/l		99
56) Ethyl methacrylate	10.439	69	535897	160.058 ug/l		99
57) 1,3-Dichloropropane	10.719	76	584253	152.987 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1350536	898.675 ug/l		99
59) 2-Hexanone	10.762	43	1227881	816.860 ug/l		99
60) Dibromochloromethane	10.908	129	438666	157.237 ug/l		99
61) 1,2-Dibromoethane	11.012	107	308529	154.008 ug/l		99
64) Tetrachloroethene	10.646	164	501627	139.237 ug/l		100
65) Chlorobenzene	11.438	112	1336594	151.997 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	480525	158.952 ug/l		100
67) Ethyl Benzene	11.518	91	2598027	157.756 ug/l		99
68) m/p-Xylenes	11.627	106	1992413	321.066 ug/l		99
69) o-Xylene	11.957	106	937727	159.714 ug/l		99
70) Styrene	11.969	104	1613798	162.944 ug/l		100
71) Bromoform	12.133	173	254251	155.818 ug/l	#	99
73) Isopropylbenzene	12.255	105	2357568	151.387 ug/l		100
74) N-amyl acetate	12.066	43	694999	156.041 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	375378	156.735 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	289968m	87.525 ug/l		
77) Bromobenzene	12.530	156	509579	153.206 ug/l		99
78) n-propylbenzene	12.591	91	2822794	150.276 ug/l		100
79) 2-Chlorotoluene	12.676	91	1563003	151.415 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1888432	150.219 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	139931	148.846 ug/l		99
82) 4-Chlorotoluene	12.774	91	1616520	152.250 ug/l		99
83) tert-Butylbenzene	12.993	119	1699962	152.144 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1934641	155.030 ug/l		100
85) sec-Butylbenzene	13.176	105	2493393	150.330 ug/l		100
86) p-Isopropyltoluene	13.292	119	2205275	158.088 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1079479	158.981 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	969874	148.497 ug/l		99
89) n-Butylbenzene	13.615	91	1992554	150.985 ug/l		99
90) Hexachloroethane	13.877	117	417341	148.208 ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	858733	150.565 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	58383	151.172 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	508537	154.361 ug/l		99
94) Hexachlorobutadiene	15.023	225	261832	142.514 ug/l		100
95) Naphthalene	15.139	128	979369	156.653 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	426231	152.509 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

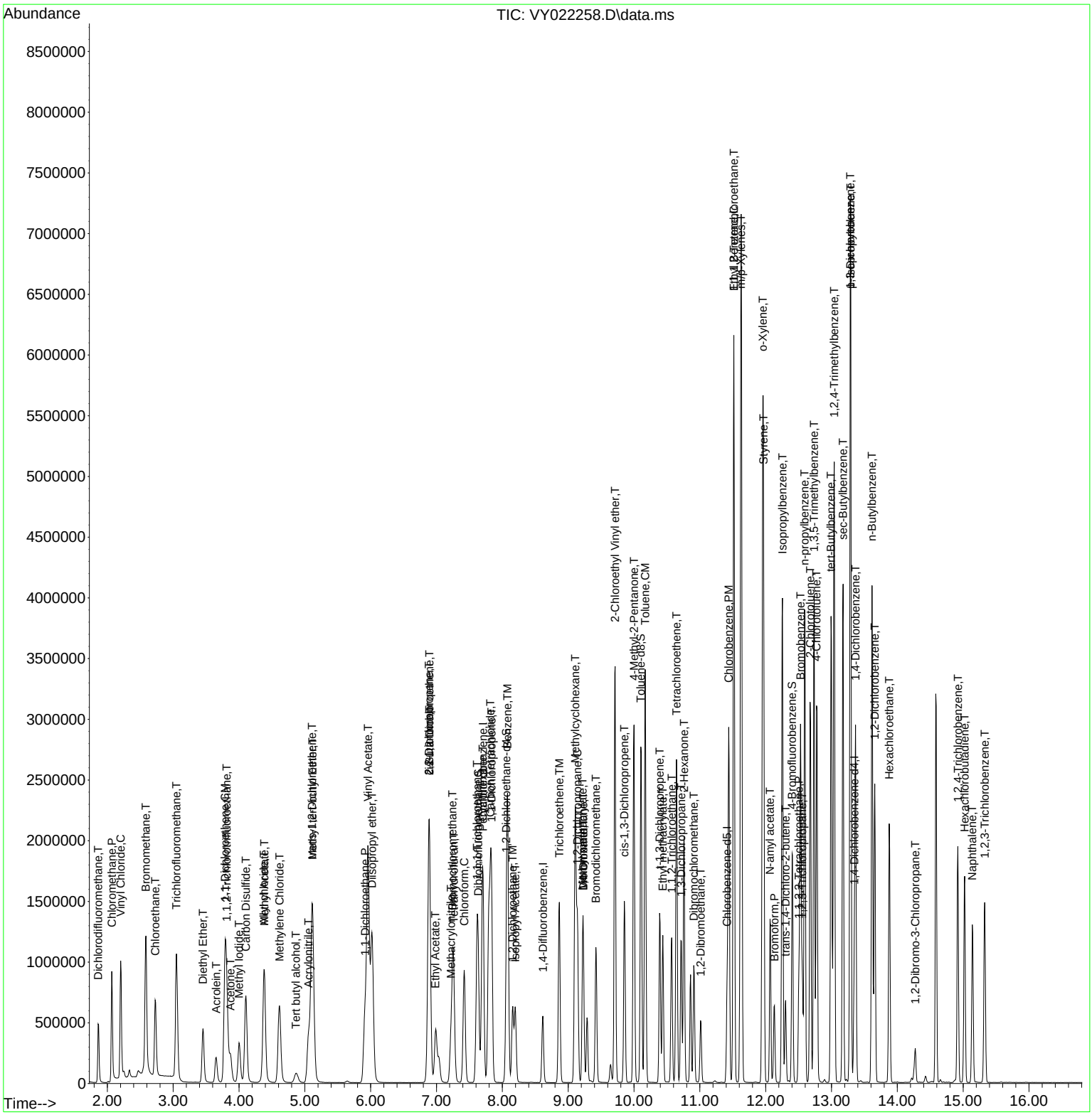
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	252715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	375548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143909	52.104	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%			
35) Dibromofluoromethane	7.634	113	132263	51.658	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.109	98	537188	51.229	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.408	95	169575	51.020	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	130352	49.432	ug/l	97
3) Chloromethane	2.068	50	270248	48.719	ug/l	98
4) Vinyl Chloride	2.202	62	316755	51.111	ug/l	99
5) Bromomethane	2.598	94	244611	48.486	ug/l	99
6) Chloroethane	2.732	64	205247	53.234	ug/l	99
7) Trichlorofluoromethane	3.056	101	321098	51.174	ug/l	99
8) Diethyl Ether	3.458	74	78386	52.055	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	140460	51.564	ug/l	100
10) Methyl Iodide	4.007	142	156397	49.606	ug/l	99
11) Tert butyl alcohol	4.872	59	55922	265.144	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	139180	51.487	ug/l	98
13) Acrolein	3.653	56	73495	238.362	ug/l	98
14) Allyl chloride	4.378	41	250342	52.817	ug/l	100
15) Acrylonitrile	5.055	53	164507	265.134	ug/l	99
16) Acetone	3.872	43	130848	252.660	ug/l	99
17) Carbon Disulfide	4.104	76	456302	51.765	ug/l	99
18) Methyl Acetate	4.385	43	97091	59.461	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	395753	53.096	ug/l	99
20) Methylene Chloride	4.610	84	158275	47.298	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	153819	51.552	ug/l	98
22) Diisopropyl ether	6.018	45	521343	52.085	ug/l	99
23) Vinyl Acetate	5.957	43	1530507	253.098	ug/l	99
24) 1,1-Dichloroethane	5.915	63	288933	51.668	ug/l	97
25) 2-Butanone	6.896	43	221702	255.929	ug/l	97
26) 2,2-Dichloropropane	6.884	77	259587	52.191	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	180695	52.479	ug/l	100
28) Bromochloromethane	7.250	49	124761	52.305	ug/l	99
29) Tetrahydrofuran	7.262	42	147603	264.847	ug/l	99
30) Chloroform	7.421	83	283264	52.810	ug/l	100
31) Cyclohexane	7.701	56	271949	48.673	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	253549	51.523	ug/l	99
36) 1,1-Dichloropropene	7.835	75	212786	50.457	ug/l	99
37) Ethyl Acetate	6.982	43	102740	50.633	ug/l	98
38) Carbon Tetrachloride	7.817	117	220636	50.543	ug/l	98
39) Methylcyclohexane	9.109	83	283373	50.015	ug/l	98
40) Benzene	8.079	78	646289	51.696	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	72143m	53.599	ug/l		
42) 1,2-Dichloroethane	8.158	62	175241	51.834	ug/l		100
43) Isopropyl Acetate	8.195	43	227521	51.415	ug/l	#	89
44) Trichloroethene	8.865	130	156468	50.335	ug/l		96
45) 1,2-Dichloropropane	9.140	63	154975	51.417	ug/l		99
46) Dibromomethane	9.231	93	83597	51.423	ug/l		100
47) Bromodichloromethane	9.426	83	221446	52.508	ug/l		99
48) Methyl methacrylate	9.219	41	106283	51.357	ug/l		98
49) 1,4-Dioxane	9.231	88	18521	1008.479	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	567722	261.463	ug/l		99
52) Toluene	10.170	92	406420	51.337	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	211790	51.458	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	244811	51.916	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	106464	51.142	ug/l		99
56) Ethyl methacrylate	10.438	69	164207	50.639	ug/l		99
57) 1,3-Dichloropropane	10.719	76	191889	51.880	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	394587	271.104	ug/l		100
59) 2-Hexanone	10.761	43	375224	257.738	ug/l		100
60) Dibromochloromethane	10.914	129	141652	52.425	ug/l		99
61) 1,2-Dibromoethane	11.018	107	99783	51.428	ug/l		99
64) Tetrachloroethene	10.646	164	162818	46.905	ug/l		99
65) Chlorobenzene	11.444	112	422170	49.827	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	144636	49.656	ug/l		99
67) Ethyl Benzene	11.517	91	794978	50.100	ug/l		99
68) m/p-Xylenes	11.627	106	604420	101.087	ug/l		99
69) o-Xylene	11.956	106	286712	50.682	ug/l		98
70) Styrene	11.969	104	481621	50.471	ug/l		99
71) Bromoform	12.133	173	80216	51.022	ug/l	#	100
73) Isopropylbenzene	12.255	105	738398	49.964	ug/l		100
74) N-amyl acetate	12.072	43	210510	49.805	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120599	53.062	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	96804m	53.564	ug/l		
77) Bromobenzene	12.536	156	155843	49.374	ug/l		97
78) n-propylbenzene	12.596	91	896555	50.296	ug/l		100
79) 2-Chlorotoluene	12.682	91	491073	50.130	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	592100	49.632	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	43921	49.231	ug/l		99
82) 4-Chlorotoluene	12.779	91	510451	50.661	ug/l		100
83) tert-Butylbenzene	12.999	119	527140	49.715	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	598450	50.535	ug/l		99
85) sec-Butylbenzene	13.176	105	787000	50.000	ug/l		100
86) p-Isopropyltoluene	13.291	119	664795	50.219	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	320357	49.718	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	307847	49.669	ug/l		98
89) n-Butylbenzene	13.621	91	631222	50.402	ug/l		100
90) Hexachloroethane	13.883	117	132281	49.502	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	270373	49.954	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18335	50.028	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	152548	48.794	ug/l		99
94) Hexachlorobutadiene	15.023	225	83287	47.770	ug/l		99
95) Naphthalene	15.145	128	287276	48.421	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	127466	48.060	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

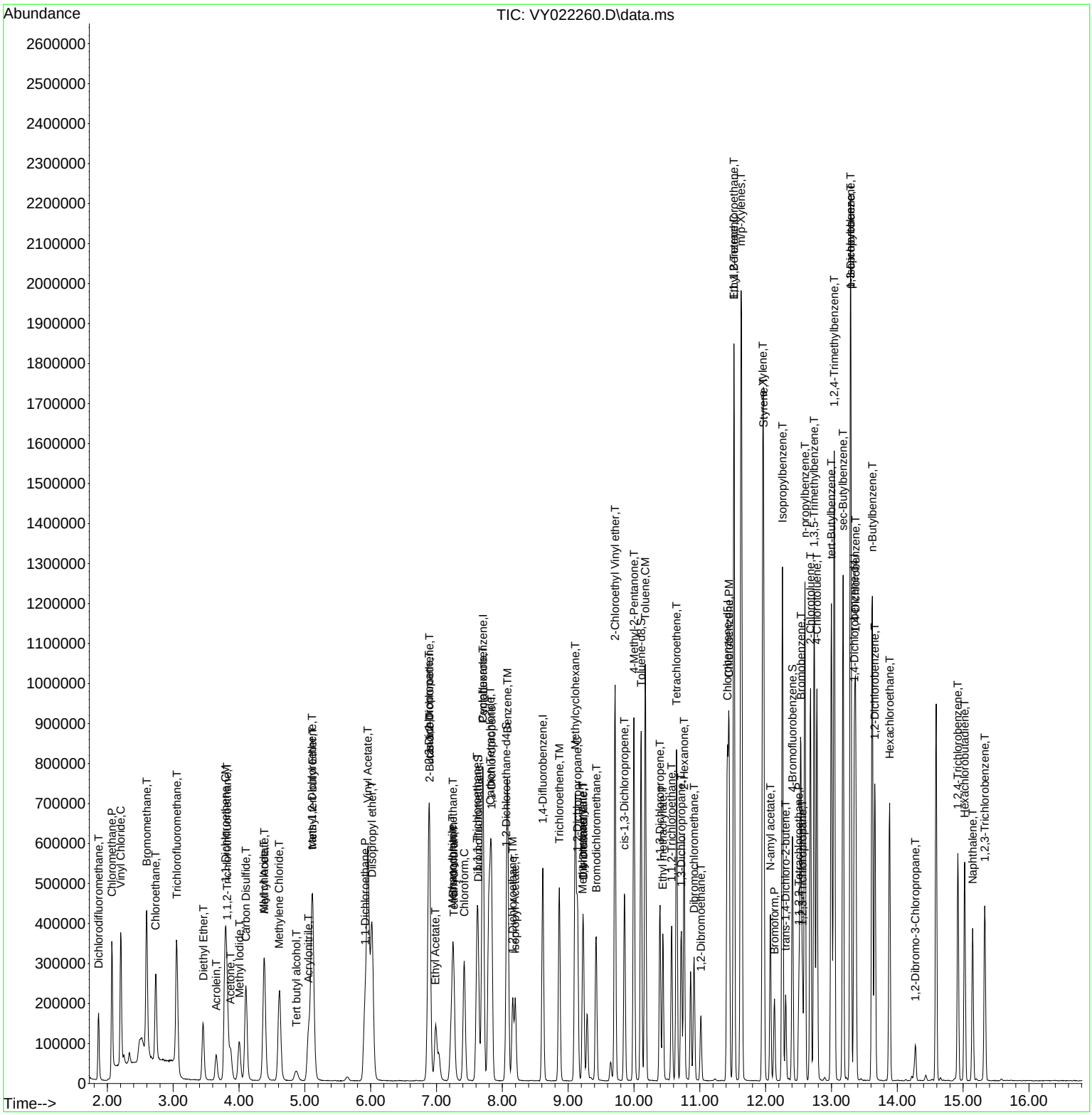
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.522	0.516	1.1	96	0.00
3	P	Chloromethane	1.097	1.069	2.6	97	0.00
4	C	Vinyl Chloride	1.226	1.253	-2.2#	98	0.00
5	T	Bromomethane	0.998	0.968	3.0	104	0.00
6	T	Chloroethane	0.763	0.812	-6.4	101	0.00
7	T	Trichlorofluoromethane	1.241	1.271	-2.4	99	0.00
8	T	Diethyl Ether	0.298	0.310	-4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.556	-3.2	98	0.00
10	T	Methyl Iodide	0.624	0.619	0.8	85	0.00
11	T	Tert butyl alcohol	0.042	0.044	-4.8	108	0.00
12	CM	1,1-Dichloroethene	0.535	0.551	-3.0#	97	0.00
13	T	Acrolein	0.061	0.058	4.9	97	0.00
14	T	Allyl chloride	0.938	0.991	-5.7	98	0.00
15	T	Acrylonitrile	0.123	0.130	-5.7	102	0.00
16	T	Acetone	0.102	0.104	-2.0	105	0.00
17	T	Carbon Disulfide	1.744	1.806	-3.6	97	0.00
18	T	Methyl Acetate	0.323	0.384	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	1.475	1.566	-6.2	101	0.00
20	T	Methylene Chloride	0.662	0.626	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.609	-3.2	97	0.00
22	T	Diisopropyl ether	1.980	2.063	-4.2	98	0.00
23	T	Vinyl Acetate	1.196	1.211	-1.3	97	0.00
24	P	1,1-Dichloroethane	1.106	1.143	-3.3	97	0.00
25	T	2-Butanone	0.171	0.175	-2.3	103	0.00
26	T	2,2-Dichloropropane	0.984	1.027	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.715	-5.0	98	0.00
28	T	Bromochloromethane	0.472	0.494	-4.7	99	0.00
29	T	Tetrahydrofuran	0.110	0.117	-6.4	103	0.00
30	C	Chloroform	1.061	1.121	-5.7#	98	0.00
31	T	Cyclohexane	1.105	1.076	2.6	96	0.00
32	T	1,1,1-Trichloroethane	0.974	1.003	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.569	-4.2	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	100	0.00
36	T	1,1-Dichloropropene	0.492	0.496	-0.8	96	0.00
37	T	Ethyl Acetate	0.237	0.240	-1.3	100	0.00
38	T	Carbon Tetrachloride	0.509	0.514	-1.0	97	0.00
39	T	Methylcyclohexane	0.660	0.661	-0.2	96	0.00
40	TM	Benzene	1.457	1.507	-3.4	98	0.00
41	T	Methacrylonitrile	0.157	0.168	-7.0	104	0.02
42	TM	1,2-Dichloroethane	0.394	0.409	-3.8	99	0.00
43	T	Isopropyl Acetate	0.516	0.530	-2.7	101	0.00
44	TM	Trichloroethene	0.362	0.365	-0.8	96	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	99	0.00
46	T	Dibromomethane	0.189	0.195	-3.2	101	0.00
47	T	Bromodichloromethane	0.492	0.516	-4.9	100	0.00
48	T	Methyl methacrylate	0.241	0.248	-2.9	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	103	0.00
50	S	Toluene-d8	1.222	1.252	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.265	-4.7	102	0.00
52	CM	Toluene	0.923	0.947	-2.6#	98	0.00
53	T	t-1,3-Dichloropropene	0.480	0.494	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.571	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	0.243	0.248	-2.1	100	0.00
56	T	Ethyl methacrylate	0.378	0.383	-1.3	98	0.00
57	T	1,3-Dichloropropane	0.431	0.447	-3.7	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.184	-8.2	98	0.00
59	T	2-Hexanone	0.170	0.175	-2.9	103	0.00
60	T	Dibromochloromethane	0.315	0.330	-4.8	100	0.00
61	T	1,2-Dibromoethane	0.226	0.233	-3.1	100	0.00
62	S	4-Bromofluorobenzene	0.387	0.395	-2.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.462	0.434	6.1	91	0.00
65	PM	Chlorobenzene	1.128	1.124	0.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.385	0.8	97	0.00
67	C	Ethyl Benzene	2.113	2.117	-0.2#	97	0.00
68	T	m/p-Xylenes	0.796	0.805	-1.1	98	0.00
69	T	o-Xylene	0.753	0.763	-1.3	99	0.00
70	T	Styrene	1.270	1.282	-0.9	98	0.00
71	P	Bromoform	0.209	0.214	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	4.142	4.139	0.1	98	0.00
74	T	N-amyl acetate	1.185	1.180	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.676	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	0.507	0.543	-7.1	107	0.00
77	T	Bromobenzene	0.885	0.874	1.2	97	0.00
78	T	n-propylbenzene	4.996	5.026	-0.6	97	0.00
79	T	2-Chlorotoluene	2.746	2.753	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.319	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.246	1.6	103	0.00
82	T	4-Chlorotoluene	2.824	2.861	-1.3	97	0.00
83	T	tert-Butylbenzene	2.972	2.955	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.355	-1.1	97	0.00
85	T	sec-Butylbenzene	4.412	4.412	0.0	95	0.00
86	T	p-Isopropyltoluene	3.710	3.727	-0.5	97	0.00
87	T	1,3-Dichlorobenzene	1.806	1.796	0.6	97	0.00
88	T	1,4-Dichlorobenzene	1.737	1.726	0.6	98	0.00
89	T	n-Butylbenzene	3.510	3.538	-0.8	95	0.00
90	T	Hexachloroethane	0.749	0.742	0.9	96	0.00
91	T	1,2-Dichlorobenzene	1.517	1.516	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	102	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.855	2.4	94	0.00
94	T	Hexachlorobutadiene	0.489	0.467	4.5	92	0.00
95	T	Naphthalene	1.663	1.610	3.2	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.715	3.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	49.432	1.1	96	0.00
3	P	Chloromethane	50.000	48.719	2.6	97	0.00
4	C	Vinyl Chloride	50.000	51.111	-2.2#	98	0.00
5	T	Bromomethane	50.000	48.486	3.0	104	0.00
6	T	Chloroethane	50.000	53.234	-6.5	101	0.00
7	T	Trichlorofluoromethane	50.000	51.174	-2.3	99	0.00
8	T	Diethyl Ether	50.000	52.055	-4.1	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.564	-3.1	98	0.00
10	T	Methyl Iodide	50.000	49.606	0.8	85	0.00
11	T	Tert butyl alcohol	250.000	265.144	-6.1	108	0.00
12	CM	1,1-Dichloroethene	50.000	51.487	-3.0#	97	0.00
13	T	Acrolein	250.000	238.362	4.7	97	0.00
14	T	Allyl chloride	50.000	52.817	-5.6	98	0.00
15	T	Acrylonitrile	250.000	265.134	-6.1	102	0.00
16	T	Acetone	250.000	252.660	-1.1	105	0.00
17	T	Carbon Disulfide	50.000	51.765	-3.5	97	0.00
18	T	Methyl Acetate	50.000	59.461	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	50.000	53.096	-6.2	101	0.00
20	T	Methylene Chloride	50.000	47.298	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.552	-3.1	97	0.00
22	T	Diisopropyl ether	50.000	52.085	-4.2	98	0.00
23	T	Vinyl Acetate	250.000	253.098	-1.2	97	0.00
24	P	1,1-Dichloroethane	50.000	51.668	-3.3	97	0.00
25	T	2-Butanone	250.000	255.929	-2.4	103	0.00
26	T	2,2-Dichloropropane	50.000	52.191	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.479	-5.0	98	0.00
28	T	Bromochloromethane	50.000	52.305	-4.6	99	0.00
29	T	Tetrahydrofuran	250.000	264.847	-5.9	103	0.00
30	C	Chloroform	50.000	52.810	-5.6#	98	0.00
31	T	Cyclohexane	50.000	48.673	2.7	96	0.00
32	T	1,1,1-Trichloroethane	50.000	51.523	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.104	-4.2	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.658	-3.3	100	0.00
36	T	1,1-Dichloropropene	50.000	50.457	-0.9	96	0.00
37	T	Ethyl Acetate	50.000	50.633	-1.3	100	0.00
38	T	Carbon Tetrachloride	50.000	50.543	-1.1	97	0.00
39	T	Methylcyclohexane	50.000	50.015	-0.0	96	0.00
40	TM	Benzene	50.000	51.696	-3.4	98	0.00
41	T	Methacrylonitrile	50.000	53.599	-7.2	104	0.02
42	TM	1,2-Dichloroethane	50.000	51.834	-3.7	99	0.00
43	T	Isopropyl Acetate	50.000	51.415	-2.8	101	0.00
44	TM	Trichloroethene	50.000	50.335	-0.7	96	0.00
45	C	1,2-Dichloropropane	50.000	51.417	-2.8#	99	0.00
46	T	Dibromomethane	50.000	51.423	-2.8	101	0.00
47	T	Bromodichloromethane	50.000	52.508	-5.0	100	0.00
48	T	Methyl methacrylate	50.000	51.357	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1008.479	-0.8	103	0.00
50	S	Toluene-d8	50.000	51.229	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.463	-4.6	102	0.00
52	CM	Toluene	50.000	51.337	-2.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	51.458	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.916	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	50.000	51.142	-2.3	100	0.00
56	T	Ethyl methacrylate	50.000	50.639	-1.3	98	0.00
57	T	1,3-Dichloropropane	50.000	51.880	-3.8	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	271.104	-8.4	98	0.00
59	T	2-Hexanone	250.000	257.738	-3.1	103	0.00
60	T	Dibromochloromethane	50.000	52.425	-4.8	100	0.00
61	T	1,2-Dibromoethane	50.000	51.428	-2.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	51.020	-2.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.905	6.2	91	0.00
65	PM	Chlorobenzene	50.000	49.827	0.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.656	0.7	97	0.00
67	C	Ethyl Benzene	50.000	50.100	-0.2#	97	0.00
68	T	m/p-Xylenes	100.000	101.087	-1.1	98	0.00
69	T	o-Xylene	50.000	50.682	-1.4	99	0.00
70	T	Styrene	50.000	50.471	-0.9	98	0.00
71	P	Bromoform	50.000	51.022	-2.0	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	49.964	0.1	98	0.00
74	T	N-amyl acetate	50.000	49.805	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	53.564	-7.1	107	0.00
77	T	Bromobenzene	50.000	49.374	1.3	97	0.00
78	T	n-propylbenzene	50.000	50.296	-0.6	97	0.00
79	T	2-Chlorotoluene	50.000	50.130	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.632	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.231	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	97	0.00
83	T	tert-Butylbenzene	50.000	49.715	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.535	-1.1	97	0.00
85	T	sec-Butylbenzene	50.000	50.000	0.0	95	0.00
86	T	p-Isopropyltoluene	50.000	50.219	-0.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	49.718	0.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	49.669	0.7	98	0.00
89	T	n-Butylbenzene	50.000	50.402	-0.8	95	0.00
90	T	Hexachloroethane	50.000	49.502	1.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.954	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.028	-0.1	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.794	2.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.770	4.5	92	0.00
95	T	Naphthalene	50.000	48.421	3.2	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.060	3.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022303.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date/Time: 05/19/2025 08:27

Lab File ID: VY022303.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.097	1.063	0.1	-3.1	20
Vinyl Chloride	1.226	1.243		1.39	20
Bromomethane	0.998	0.978		-2	20
Chloroethane	0.763	0.831		8.91	20
Tert butyl alcohol	0.042	0.035		-16.67	20
1,1-Dichloroethene	0.535	0.519		-2.99	20
Acetone	0.102	0.081		-20.59	20
Carbon Disulfide	1.744	1.645		-5.68	20
Methyl tert-butyl Ether	1.475	1.322		-10.37	20
Methylene Chloride	0.662	0.542		-18.13	20
trans-1,2-Dichloroethene	0.590	0.560		-5.09	20
1,1-Dichloroethane	1.106	1.030	0.1	-6.87	20
2-Butanone	0.171	0.138		-19.3	20
Carbon Tetrachloride	0.509	0.500		-1.77	20
cis-1,2-Dichloroethene	0.681	0.638		-6.31	20
Chloroform	1.061	1.007		-5.09	20
1,1,1-Trichloroethane	0.974	0.929		-4.62	20
Benzene	1.457	1.393		-4.39	20
1,2-Dichloroethane	0.394	0.360		-8.63	20
Trichloroethene	0.362	0.349		-3.59	20
1,2-Dichloropropane	0.351	0.327		-6.84	20
Bromodichloromethane	0.492	0.465		-5.49	20
4-Methyl-2-Pentanone	0.253	0.213		-15.81	20
Toluene	0.923	0.871		-5.63	20
t-1,3-Dichloropropene	0.480	0.439		-8.54	20
cis-1,3-Dichloropropene	0.550	0.509		-7.45	20
1,1,2-Trichloroethane	0.243	0.216		-11.11	20
2-Hexanone	0.170	0.140		-17.65	20
Dibromochloromethane	0.315	0.296		-6.03	20
Tetrachloroethene	0.462	0.450		-2.6	20
Chlorobenzene	1.128	1.083	0.3	-3.99	20
Ethyl Benzene	2.113	2.049		-3.03	20
m/p-Xylenes	0.796	0.767		-3.64	20
o-Xylene	0.753	0.714		-5.18	20
Styrene	1.270	1.195		-5.91	20
Bromoform	0.209	0.190	0.1	-9.09	20
1,1,2,2-Tetrachloroethane	0.637	0.599	0.3	-5.97	20
1,2-Dichloroethane-d4	0.546	0.506		-7.33	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022303.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date/Time: 05/19/2025 08:27

Lab File ID: VY022303.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.298	0.288		-3.36	20
Toluene-d8	1.222	1.187		-2.86	20
4-Bromofluorobenzene	0.387	0.356		-8.01	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	226750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	371882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114762	46.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.620%			
35) Dibromofluoromethane	7.634	113	107193	48.294	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.580%			
50) Toluene-d8	10.109	98	441509	48.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.408	95	132565	46.007	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	109139	46.127	ug/l	100
3) Chloromethane	2.068	50	240982	48.418	ug/l	99
4) Vinyl Chloride	2.202	62	281774	50.673	ug/l	98
5) Bromomethane	2.598	94	221777	48.993	ug/l	95
6) Chloroethane	2.739	64	188480	54.484	ug/l	100
7) Trichlorofluoromethane	3.056	101	274723	48.797	ug/l	99
8) Diethyl Ether	3.452	74	60755	44.967	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	121195	49.586	ug/l	99
10) Methyl Iodide	4.001	142	139611	49.353	ug/l	99
11) Tert butyl alcohol	4.866	59	39142	206.836	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	117781	48.560	ug/l	96
13) Acrolein	3.653	56	37396	135.173	ug/l	94
14) Allyl chloride	4.385	41	188875	44.412	ug/l	97
15) Acrylonitrile	5.061	53	119810	215.208	ug/l	99
16) Acetone	3.873	43	92085	198.172	ug/l	95
17) Carbon Disulfide	4.104	76	373012	47.162	ug/l	100
18) Methyl Acetate	4.378	43	59584	40.670	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	299714	44.815	ug/l	96
20) Methylene Chloride	4.616	84	122787	40.894	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	126924	47.410	ug/l	92
22) Diisopropyl ether	6.018	45	394002	43.870	ug/l	99
23) Vinyl Acetate	5.957	43	1153872	212.665	ug/l	100
24) 1,1-Dichloroethane	5.915	63	233548	46.546	ug/l	99
25) 2-Butanone	6.896	43	155949	200.639	ug/l	98
26) 2,2-Dichloropropane	6.884	77	213195	47.772	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	144620	46.812	ug/l	99
28) Bromochloromethane	7.244	49	98377	45.966	ug/l	99
29) Tetrahydrofuran	7.262	42	104691	209.360	ug/l	96
30) Chloroform	7.421	83	228289	47.434	ug/l	97
31) Cyclohexane	7.701	56	228271	45.534	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	210565	47.688	ug/l	99
36) 1,1-Dichloropropene	7.835	75	177858	48.649	ug/l	98
37) Ethyl Acetate	6.982	43	74123	42.138	ug/l	97
38) Carbon Tetrachloride	7.817	117	185946	49.136	ug/l	99
39) Methylcyclohexane	9.109	83	245018	49.884	ug/l	96
40) Benzene	8.079	78	518202	47.813	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	44324	37.986	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	133999	45.719	ug/l		100
43) Isopropyl Acetate	8.195	43	164658	42.921	ug/l		99
44) Trichloroethene	8.866	130	129847	48.183	ug/l		97
45) 1,2-Dichloropropane	9.140	63	121700	46.575	ug/l		95
46) Dibromomethane	9.231	93	64749	45.943	ug/l		98
47) Bromodichloromethane	9.420	83	173095	47.343	ug/l		100
48) Methyl methacrylate	9.219	41	75158	41.892	ug/l		95
49) 1,4-Dioxane	9.231	88	14246	894.779	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	395363	210.035	ug/l		98
52) Toluene	10.170	92	323890	47.193	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	163246	45.752	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	189374	46.324	ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	80398	44.549	ug/l		98
56) Ethyl methacrylate	10.438	69	124860	44.416	ug/l		97
57) 1,3-Dichloropropane	10.719	76	145992	45.530	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	310691	246.231	ug/l		99
59) 2-Hexanone	10.762	43	260783	206.627	ug/l		98
60) Dibromochloromethane	10.914	129	110053	46.983	ug/l		100
61) 1,2-Dibromoethane	11.011	107	77561	46.111	ug/l		100
64) Tetrachloroethene	10.646	164	140924	48.679	ug/l		99
65) Chlorobenzene	11.444	112	339131	47.994	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	114730	47.229	ug/l		100
67) Ethyl Benzene	11.517	91	641620	48.485	ug/l		97
68) m/p-Xylenes	11.627	106	480417	96.343	ug/l		99
69) o-Xylene	11.956	106	223762	47.429	ug/l		98
70) Styrene	11.969	104	374205	47.020	ug/l		99
71) Bromoform	12.133	173	59355	45.269	ug/l	#	99
73) Isopropylbenzene	12.255	105	594081	49.626	ug/l		100
74) N-amyl acetate	12.072	43	150967	44.094	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	86518	46.994	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	69712m	47.620	ug/l		
77) Bromobenzene	12.529	156	123903	48.461	ug/l		97
78) n-propylbenzene	12.597	91	722589	50.043	ug/l		100
79) 2-Chlorotoluene	12.682	91	383846	48.374	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	467447	48.373	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	31793	43.994	ug/l		98
82) 4-Chlorotoluene	12.779	91	395166	48.417	ug/l		100
83) tert-Butylbenzene	12.999	119	426406	49.646	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	468001	48.787	ug/l		100
85) sec-Butylbenzene	13.176	105	643574	50.477	ug/l		100
86) p-Isopropyltoluene	13.292	119	535122	49.904	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	251111	48.110	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	241157	48.034	ug/l		98
89) n-Butylbenzene	13.621	91	512834	50.552	ug/l		99
90) Hexachloroethane	13.883	117	106297	49.107	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	207228	47.267	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13224	44.544	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	117885	46.549	ug/l		98
94) Hexachlorobutadiene	15.023	225	66957	47.410	ug/l		99
95) Naphthalene	15.145	128	211483	44.006	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	96005	44.687	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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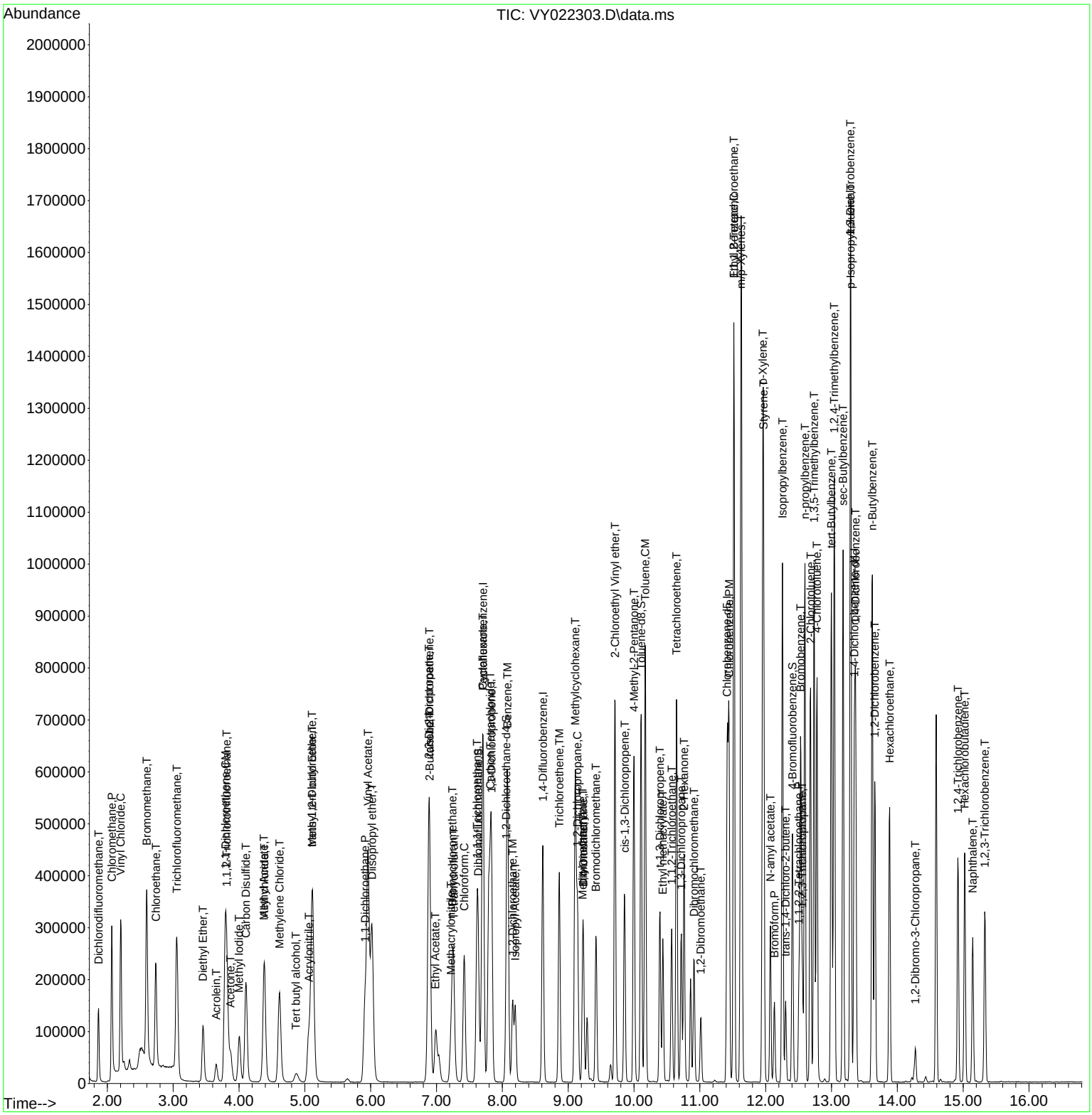
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



Sample Results: **VY022303.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	85	0.00
2	T	Dichlorodifluoromethane	0.522	0.481	7.9	80	0.00
3	P	Chloromethane	1.097	1.063	3.1	86	0.00
4	C	Vinyl Chloride	1.226	1.243	-1.4#	87	0.00
5	T	Bromomethane	0.998	0.978	2.0	94	0.00
6	T	Chloroethane	0.763	0.831	-8.9	93	0.00
7	T	Trichlorofluoromethane	1.241	1.212	2.3	85	0.00
8	T	Diethyl Ether	0.298	0.268	10.1	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.534	0.9	84	0.00
10	T	Methyl Iodide	0.624	0.616	1.3	76	0.00
11	T	Tert butyl alcohol	0.042	0.035	16.7	76	0.00
12	CM	1,1-Dichloroethene	0.535	0.519	3.0#	82	0.00
13	T	Acrolein	0.061	0.033	45.9#	50#	0.00
14	T	Allyl chloride	0.938	0.833	11.2	74	0.00
15	T	Acrylonitrile	0.123	0.106	13.8	75	0.00
16	T	Acetone	0.102	0.081	20.6	74	0.00
17	T	Carbon Disulfide	1.744	1.645	5.7	80	0.00
18	T	Methyl Acetate	0.323	0.263	18.6	74	0.00
19	T	Methyl tert-butyl Ether	1.475	1.322	10.4	77	0.00
20	T	Methylene Chloride	0.662	0.542	18.1	77	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.560	5.1	80	0.00
22	T	Diisopropyl ether	1.980	1.738	12.2	74	0.00
23	T	Vinyl Acetate	1.196	1.018	14.9	73	0.00
24	P	1,1-Dichloroethane	1.106	1.030	6.9	78	0.00
25	T	2-Butanone	0.171	0.138	19.3	72	0.00
26	T	2,2-Dichloropropane	0.984	0.940	4.5	81	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.638	6.3	78	0.00
28	T	Bromochloromethane	0.472	0.434	8.1	78	0.00
29	T	Tetrahydrofuran	0.110	0.092	16.4	73	0.00
30	C	Chloroform	1.061	1.007	5.1#	79	0.00
31	T	Cyclohexane	1.105	1.007	8.9	81	0.00
32	T	1,1,1-Trichloroethane	0.974	0.929	4.6	81	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.506	7.3	79	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.298	0.288	3.4	81	0.00
36	T	1,1-Dichloropropene	0.492	0.478	2.8	80	0.00
37	T	Ethyl Acetate	0.237	0.199	16.0	72	0.00
38	T	Carbon Tetrachloride	0.509	0.500	1.8	82	0.00
39	T	Methylcyclohexane	0.660	0.659	0.2	83	0.00
40	TM	Benzene	1.457	1.393	4.4	79	0.00
41	T	Methacrylonitrile	0.157	0.119	24.2	64	0.00
42	TM	1,2-Dichloroethane	0.394	0.360	8.6	76	0.00
43	T	Isopropyl Acetate	0.516	0.443	14.1	73	0.00
44	TM	Trichloroethene	0.362	0.349	3.6	80	0.00
45	C	1,2-Dichloropropane	0.351	0.327	6.8#	78	0.00
46	T	Dibromomethane	0.189	0.174	7.9	78	0.00
47	T	Bromodichloromethane	0.492	0.465	5.5	78	0.00
48	T	Methyl methacrylate	0.241	0.202	16.2	71	0.00

Sample Results: **VY022303.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	79	0.00
50	S	Toluene-d8	1.222	1.187	2.9	82	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.213	15.8	71	0.00
52	CM	Toluene	0.923	0.871	5.6#	78	0.00
53	T	t-1,3-Dichloropropene	0.480	0.439	8.5	76	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.509	7.5	77	0.00
55	T	1,1,2-Trichloroethane	0.243	0.216	11.1	75	0.00
56	T	Ethyl methacrylate	0.378	0.336	11.1	75	0.00
57	T	1,3-Dichloropropane	0.431	0.393	8.8	76	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.167	1.8	77	0.00
59	T	2-Hexanone	0.170	0.140	17.6	71	0.00
60	T	Dibromochloromethane	0.315	0.296	6.0	78	0.00
61	T	1,2-Dibromoethane	0.226	0.209	7.5	78	0.00
62	S	4-Bromofluorobenzene	0.387	0.356	8.0	78	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
64	T	Tetrachloroethene	0.462	0.450	2.6	79	0.00
65	PM	Chlorobenzene	1.128	1.083	4.0	78	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.366	5.7	77	0.00
67	C	Ethyl Benzene	2.113	2.049	3.0#	78	0.00
68	T	m/p-Xylenes	0.796	0.767	3.6	78	0.00
69	T	o-Xylene	0.753	0.714	5.2	77	0.00
70	T	Styrene	1.270	1.195	5.9	76	0.00
71	P	Bromoform	0.209	0.190	9.1	75	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73	T	Isopropylbenzene	4.142	4.111	0.7	78	0.00
74	T	N-amyl acetate	1.185	1.045	11.8	72	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.599	6.0	76	0.00
76	T	1,2,3-Trichloropropane	0.507	0.482	4.9	77	0.00
77	T	Bromobenzene	0.885	0.857	3.2	77	0.00
78	T	n-propylbenzene	4.996	5.001	-0.1	78	0.00
79	T	2-Chlorotoluene	2.746	2.656	3.3	76	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.235	3.3	76	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.220	12.0	74	0.00
82	T	4-Chlorotoluene	2.824	2.735	3.2	75	0.00
83	T	tert-Butylbenzene	2.972	2.951	0.7	78	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.239	2.4	76	0.00
85	T	sec-Butylbenzene	4.412	4.454	-1.0	78	0.00
86	T	p-Isopropyltoluene	3.710	3.703	0.2	78	0.00
87	T	1,3-Dichlorobenzene	1.806	1.738	3.8	76	0.00
88	T	1,4-Dichlorobenzene	1.737	1.669	3.9	76	0.00
89	T	n-Butylbenzene	3.510	3.549	-1.1	78	0.00
90	T	Hexachloroethane	0.749	0.736	1.7	77	0.00
91	T	1,2-Dichlorobenzene	1.517	1.434	5.5	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.092	10.7	73	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.816	6.8	73	0.00
94	T	Hexachlorobutadiene	0.489	0.463	5.3	74	0.00
95	T	Naphthalene	1.663	1.464	12.0	71	0.00

Sample Results: **VY022303.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.664	10.6	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022303.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	85	0.00
2	T	Dichlorodifluoromethane	50.000	46.127	7.7	80	0.00
3	P	Chloromethane	50.000	48.418	3.2	86	0.00
4	C	Vinyl Chloride	50.000	50.673	-1.3#	87	0.00
5	T	Bromomethane	50.000	48.993	2.0	94	0.00
6	T	Chloroethane	50.000	54.484	-9.0	93	0.00
7	T	Trichlorofluoromethane	50.000	48.797	2.4	85	0.00
8	T	Diethyl Ether	50.000	44.967	10.1	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.586	0.8	84	0.00
10	T	Methyl Iodide	50.000	49.353	1.3	76	0.00
11	T	Tert butyl alcohol	250.000	206.836	17.3	76	0.00
12	CM	1,1-Dichloroethene	50.000	48.560	2.9#	82	0.00
13	T	Acrolein	250.000	135.173	45.9#	50	0.00
14	T	Allyl chloride	50.000	44.412	11.2	74	0.00
15	T	Acrylonitrile	250.000	215.208	13.9	75	0.00
16	T	Acetone	250.000	198.172	20.7	74	0.00
17	T	Carbon Disulfide	50.000	47.162	5.7	80	0.00
18	T	Methyl Acetate	50.000	40.670	18.7	74	0.00
19	T	Methyl tert-butyl Ether	50.000	44.815	10.4	77	0.00
20	T	Methylene Chloride	50.000	40.894	18.2	77	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.410	5.2	80	0.00
22	T	Diisopropyl ether	50.000	43.870	12.3	74	0.00
23	T	Vinyl Acetate	250.000	212.665	14.9	73	0.00
24	P	1,1-Dichloroethane	50.000	46.546	6.9	78	0.00
25	T	2-Butanone	250.000	200.639	19.7	72	0.00
26	T	2,2-Dichloropropane	50.000	47.772	4.5	81	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.812	6.4	78	0.00
28	T	Bromochloromethane	50.000	45.966	8.1	78	0.00
29	T	Tetrahydrofuran	250.000	209.360	16.3	73	0.00
30	C	Chloroform	50.000	47.434	5.1#	79	0.00
31	T	Cyclohexane	50.000	45.534	8.9	81	0.00
32	T	1,1,1-Trichloroethane	50.000	47.688	4.6	81	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.309	7.4	79	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	48.294	3.4	81	0.00
36	T	1,1-Dichloropropene	50.000	48.649	2.7	80	0.00
37	T	Ethyl Acetate	50.000	42.138	15.7	72	0.00
38	T	Carbon Tetrachloride	50.000	49.136	1.7	82	0.00
39	T	Methylcyclohexane	50.000	49.884	0.2	83	0.00
40	TM	Benzene	50.000	47.813	4.4	79	0.00
41	T	Methacrylonitrile	50.000	37.986	24.0	64	0.00
42	TM	1,2-Dichloroethane	50.000	45.719	8.6	76	0.00
43	T	Isopropyl Acetate	50.000	42.921	14.2	73	0.00
44	TM	Trichloroethene	50.000	48.183	3.6	80	0.00
45	C	1,2-Dichloropropane	50.000	46.575	6.8#	78	0.00
46	T	Dibromomethane	50.000	45.943	8.1	78	0.00
47	T	Bromodichloromethane	50.000	47.343	5.3	78	0.00
48	T	Methyl methacrylate	50.000	41.892	16.2	71	0.00

Sample Results: **VY022303.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	894.779	10.5	79	0.00
50	S	Toluene-d8	50.000	48.568	2.9	82	0.00
51	T	4-Methyl-2-Pentanone	250.000	210.035	16.0	71	0.00
52	CM	Toluene	50.000	47.193	5.6#	78	0.00
53	T	t-1,3-Dichloropropene	50.000	45.752	8.5	76	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.324	7.4	77	0.00
55	T	1,1,2-Trichloroethane	50.000	44.549	10.9	75	0.00
56	T	Ethyl methacrylate	50.000	44.416	11.2	75	0.00
57	T	1,3-Dichloropropane	50.000	45.530	8.9	76	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.231	1.5	77	0.00
59	T	2-Hexanone	250.000	206.627	17.3	71	0.00
60	T	Dibromochloromethane	50.000	46.983	6.0	78	0.00
61	T	1,2-Dibromoethane	50.000	46.111	7.8	78	0.00
62	S	4-Bromofluorobenzene	50.000	46.007	8.0	78	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	83	0.00
64	T	Tetrachloroethene	50.000	48.679	2.6	79	0.00
65	PM	Chlorobenzene	50.000	47.994	4.0	78	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.229	5.5	77	0.00
67	C	Ethyl Benzene	50.000	48.485	3.0#	78	0.00
68	T	m/p-Xylenes	100.000	96.343	3.7	78	0.00
69	T	o-Xylene	50.000	47.429	5.1	77	0.00
70	T	Styrene	50.000	47.020	6.0	76	0.00
71	P	Bromoform	50.000	45.269	9.5	75	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73	T	Isopropylbenzene	50.000	49.626	0.7	78	0.00
74	T	N-amyl acetate	50.000	44.094	11.8	72	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.994	6.0	76	0.00
76	T	1,2,3-Trichloropropane	50.000	47.620	4.8	77	0.00
77	T	Bromobenzene	50.000	48.461	3.1	77	0.00
78	T	n-propylbenzene	50.000	50.043	-0.1	78	0.00
79	T	2-Chlorotoluene	50.000	48.374	3.3	76	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.373	3.3	76	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.994	12.0	74	0.00
82	T	4-Chlorotoluene	50.000	48.417	3.2	75	0.00
83	T	tert-Butylbenzene	50.000	49.646	0.7	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.787	2.4	76	0.00
85	T	sec-Butylbenzene	50.000	50.477	-1.0	78	0.00
86	T	p-Isopropyltoluene	50.000	49.904	0.2	78	0.00
87	T	1,3-Dichlorobenzene	50.000	48.110	3.8	76	0.00
88	T	1,4-Dichlorobenzene	50.000	48.034	3.9	76	0.00
89	T	n-Butylbenzene	50.000	50.552	-1.1	78	0.00
90	T	Hexachloroethane	50.000	49.107	1.8	77	0.00
91	T	1,2-Dichlorobenzene	50.000	47.267	5.5	75	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.544	10.9	73	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.549	6.9	73	0.00
94	T	Hexachlorobutadiene	50.000	47.410	5.2	74	0.00
95	T	Naphthalene	50.000	44.006	12.0	71	0.00

Sample Results: **VY022303.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022303.D
Acq On : 19 May 2025 08:27
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 20 01:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.687	10.6	71	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022329.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date/Time: 05/20/2025 08:40

Lab File ID: VY022329.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.097	1.094	0.1	-0.27	20
Vinyl Chloride	1.226	1.524		24.31	20
Bromomethane	0.998	1.160		16.23	20
Chloroethane	0.763	1.012		32.63	20
Tert butyl alcohol	0.042	0.036		-14.29	20
1,1-Dichloroethene	0.535	0.534		-0.19	20
Acetone	0.102	0.091		-10.78	20
Carbon Disulfide	1.744	1.711		-1.89	20
Methyl tert-butyl Ether	1.475	1.383		-6.24	20
Methylene Chloride	0.662	0.582		-12.09	20
trans-1,2-Dichloroethene	0.590	0.583		-1.19	20
1,1-Dichloroethane	1.106	1.085	0.1	-1.9	20
2-Butanone	0.171	0.147		-14.03	20
Carbon Tetrachloride	0.509	0.517		1.57	20
cis-1,2-Dichloroethene	0.681	0.683		0.29	20
Chloroform	1.061	1.059		-0.19	20
1,1,1-Trichloroethane	0.974	0.966		-0.82	20
Benzene	1.457	1.473		1.1	20
1,2-Dichloroethane	0.394	0.380		-3.55	20
Trichloroethene	0.362	0.364		0.55	20
1,2-Dichloropropane	0.351	0.346		-1.42	20
Bromodichloromethane	0.492	0.489		-0.61	20
4-Methyl-2-Pentanone	0.253	0.220		-13.04	20
Toluene	0.923	0.912		-1.19	20
t-1,3-Dichloropropene	0.480	0.458		-4.58	20
cis-1,3-Dichloropropene	0.550	0.528		-4	20
1,1,2-Trichloroethane	0.243	0.233		-4.11	20
2-Hexanone	0.170	0.145		-14.71	20
Dibromochloromethane	0.315	0.304		-3.49	20
Tetrachloroethene	0.462	0.471		1.95	20
Chlorobenzene	1.128	1.122	0.3	-0.53	20
Ethyl Benzene	2.113	2.120		0.33	20
m/p-Xylenes	0.796	0.803		0.88	20
o-Xylene	0.753	0.738		-1.99	20
Styrene	1.270	1.255		-1.18	20
Bromoform	0.209	0.191	0.1	-8.61	20
1,1,2,2-Tetrachloroethane	0.637	0.595	0.3	-6.59	20
1,2-Dichloroethane-d4	0.546	0.533		-2.38	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date/Time: 05/20/2025 08:40

Lab File ID: VY022329.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.298	0.305		2.35	20
Toluene-d8	1.222	1.259		3.03	20
4-Bromofluorobenzene	0.387	0.375		-3.1	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	298369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	120747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96211	48.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.620%			
35) Dibromofluoromethane	7.634	113	90959	51.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.109	98	375501	51.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.960%			
62) 4-Bromofluorobenzene	12.408	95	111811	48.365	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	87856	46.679	ug/l	99
3) Chloromethane	2.068	50	197335	49.842	ug/l	100
4) Vinyl Chloride	2.202	62	274924	62.153	ug/l	97
5) Bromomethane	2.598	94	209168	58.088	ug/l	99
6) Chloroethane	2.733	64	182573	66.345	ug/l	100
7) Trichlorofluoromethane	3.050	101	251083	56.065	ug/l	100
8) Diethyl Ether	3.452	74	49275	45.847	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	99707	51.283	ug/l	98
10) Methyl Iodide	4.007	142	113213	50.311	ug/l	99
11) Tert butyl alcohol	4.860	59	32480	215.761	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	96307	49.916	ug/l	98
13) Acrolein	3.653	56	26963	122.519	ug/l	94
14) Allyl chloride	4.379	41	152279	45.013	ug/l	94
15) Acrylonitrile	5.055	53	100495	226.925	ug/l	99
16) Acetone	3.873	43	82432	223.009	ug/l	90
17) Carbon Disulfide	4.104	76	308666	49.060	ug/l	99
18) Methyl Acetate	4.385	43	49112	42.141	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	249468	46.893	ug/l	99
20) Methylene Chloride	4.616	84	104952	43.941	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	105103	49.353	ug/l	91
22) Diisopropyl ether	6.019	45	328037	45.916	ug/l	99
23) Vinyl Acetate	5.958	43	945452	219.054	ug/l	97
24) 1,1-Dichloroethane	5.915	63	195759	49.046	ug/l	97
25) 2-Butanone	6.890	43	132386	214.116	ug/l	97
26) 2,2-Dichloropropane	6.884	77	176104	49.606	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	123269	50.159	ug/l	99
28) Bromochloromethane	7.244	49	84842	49.834	ug/l	96
29) Tetrahydrofuran	7.262	42	85738	215.541	ug/l	95
30) Chloroform	7.421	83	191099	49.916	ug/l	100
31) Cyclohexane	7.701	56	186740	46.827	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	174168	49.587	ug/l	99
36) 1,1-Dichloropropene	7.835	75	146745	50.028	ug/l	99
37) Ethyl Acetate	6.988	43	60741	43.038	ug/l	99
38) Carbon Tetrachloride	7.817	117	154127	50.762	ug/l	99
39) Methylcyclohexane	9.109	83	197541	50.127	ug/l	96
40) Benzene	8.079	78	439609	50.555	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	42308m	45.192	ug/l		
42) 1,2-Dichloroethane	8.158	62	113474	48.255	ug/l		100
43) Isopropyl Acetate	8.195	43	132355	43.001	ug/l	#	86
44) Trichloroethene	8.866	130	108566	50.212	ug/l		96
45) 1,2-Dichloropropane	9.140	63	103106	49.181	ug/l		98
46) Dibromomethane	9.231	93	54532	48.227	ug/l		97
47) Bromodichloromethane	9.420	83	145860	49.724	ug/l		100
48) Methyl methacrylate	9.219	41	61712	42.873	ug/l		94
49) 1,4-Dioxane	9.231	88	12080	945.674	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	328310	217.386	ug/l		97
52) Toluene	10.170	92	272032	49.403	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	136680	47.744	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	157453	48.006	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	69620	48.082	ug/l		98
56) Ethyl methacrylate	10.438	69	103441	45.862	ug/l		97
57) 1,3-Dichloropropane	10.719	76	124485	48.388	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	228868	226.074	ug/l		99
59) 2-Hexanone	10.762	43	216713	214.015	ug/l		97
60) Dibromochloromethane	10.914	129	90557	48.185	ug/l		100
61) 1,2-Dibromoethane	11.018	107	64317	47.659	ug/l		99
64) Tetrachloroethene	10.646	164	118778	50.915	ug/l		98
65) Chlorobenzene	11.444	112	283164	49.729	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	96653	49.374	ug/l		99
67) Ethyl Benzene	11.518	91	534980	50.166	ug/l		100
68) m/p-Xylenes	11.627	106	405451	100.899	ug/l		98
69) o-Xylene	11.956	106	186251	48.989	ug/l		100
70) Styrene	11.969	104	316649	49.374	ug/l		98
71) Bromoform	12.133	173	48192	45.610	ug/l	#	99
73) Isopropylbenzene	12.255	105	500715	50.055	ug/l		99
74) N-amyl acetate	12.072	43	122315	42.753	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71869	46.716	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	57634m	47.114	ug/l		
77) Bromobenzene	12.536	156	101902	47.696	ug/l		99
78) n-propylbenzene	12.597	91	611228	50.658	ug/l		100
79) 2-Chlorotoluene	12.682	91	320605	48.352	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	398122	49.303	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	26577	44.011	ug/l		96
82) 4-Chlorotoluene	12.780	91	331061	48.542	ug/l		99
83) tert-Butylbenzene	12.999	119	353055	49.191	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	390297	48.690	ug/l		98
85) sec-Butylbenzene	13.176	105	535889	50.299	ug/l		100
86) p-Isopropyltoluene	13.292	119	448789	50.085	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	211690	48.536	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	200827	47.869	ug/l		99
89) n-Butylbenzene	13.615	91	430086	50.735	ug/l		99
90) Hexachloroethane	13.883	117	88228	48.777	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	175805	47.987	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11289	45.506	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	98395	46.496	ug/l		99
94) Hexachlorobutadiene	15.023	225	54240	45.960	ug/l		99
95) Naphthalene	15.145	128	179488	44.695	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	82076	45.719	ug/l		99

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

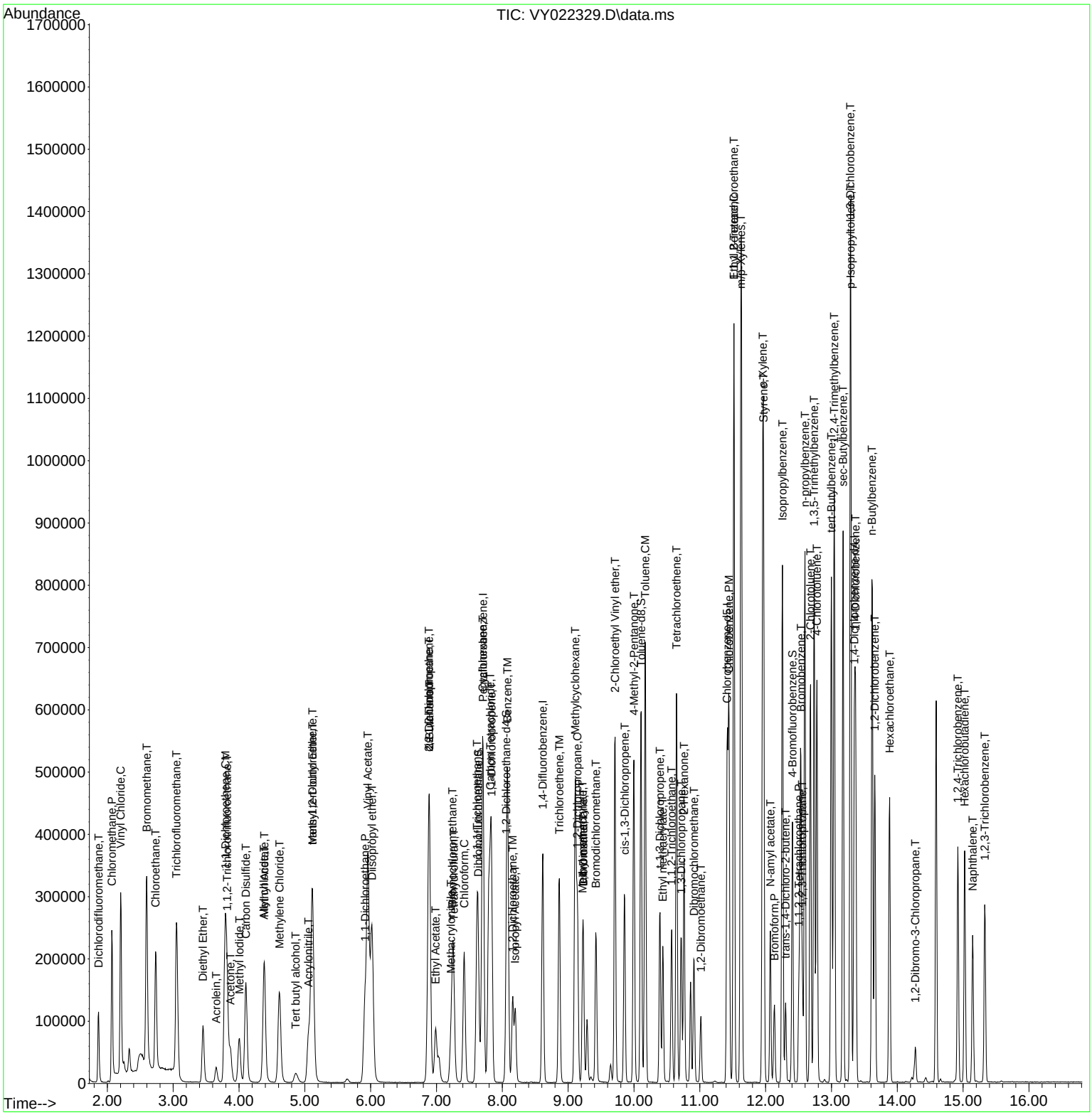
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	67	0.00
2	T	Dichlorodifluoromethane	0.522	0.487	6.7	65	0.00
3	P	Chloromethane	1.097	1.094	0.3	71	0.00
4	C	Vinyl Chloride	1.226	1.524	-24.3#	85	0.00
5	T	Bromomethane	0.998	1.160	-16.2	89	0.00
6	T	Chloroethane	0.763	1.012	-32.6#	90	0.00
7	T	Trichlorofluoromethane	1.241	1.392	-12.2	77	0.00
8	T	Diethyl Ether	0.298	0.273	8.4	63	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.553	-2.6	69	0.00
10	T	Methyl Iodide	0.624	0.628	-0.6	62	0.00
11	T	Tert butyl alcohol	0.042	0.036	14.3	63	-0.01
12	CM	1,1-Dichloroethene	0.535	0.534	0.2#	67	0.00
13	T	Acrolein	0.061	0.030	50.8#	36#	0.00
14	T	Allyl chloride	0.938	0.844	10.0	59	0.00
15	T	Acrylonitrile	0.123	0.111	9.8	63	0.00
16	T	Acetone	0.102	0.091	10.8	66	0.00
17	T	Carbon Disulfide	1.744	1.711	1.9	66	0.00
18	T	Methyl Acetate	0.323	0.272	15.8	61	0.00
19	T	Methyl tert-butyl Ether	1.475	1.383	6.2	64	0.00
20	T	Methylene Chloride	0.662	0.582	12.1	66	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.583	1.2	66	0.00
22	T	Diisopropyl ether	1.980	1.819	8.1	62	0.00
23	T	Vinyl Acetate	1.196	1.048	12.4	60	0.00
24	P	1,1-Dichloroethane	1.106	1.085	1.9	66	0.00
25	T	2-Butanone	0.171	0.147	14.0	61	0.00
26	T	2,2-Dichloropropane	0.984	0.976	0.8	67	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.683	-0.3	67	0.00
28	T	Bromochloromethane	0.472	0.470	0.4	67	0.00
29	T	Tetrahydrofuran	0.110	0.095	13.6	60	0.00
30	C	Chloroform	1.061	1.059	0.2#	66	0.00
31	T	Cyclohexane	1.105	1.035	6.3	66	0.00
32	T	1,1,1-Trichloroethane	0.974	0.966	0.8	67	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.533	2.4	66	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	0.00
35	S	Dibromofluoromethane	0.298	0.305	-2.3	69	0.00
36	T	1,1-Dichloropropene	0.492	0.492	0.0	66	0.00
37	T	Ethyl Acetate	0.237	0.204	13.9	59	0.00
38	T	Carbon Tetrachloride	0.509	0.517	-1.6	68	0.00
39	T	Methylcyclohexane	0.660	0.662	-0.3	67	0.00
40	TM	Benzene	1.457	1.473	-1.1	67	0.00
41	T	Methacrylonitrile	0.157	0.142	9.6	61	0.00
42	TM	1,2-Dichloroethane	0.394	0.380	3.6	64	0.00
43	T	Isopropyl Acetate	0.516	0.444	14.0	59	0.00
44	TM	Trichloroethene	0.362	0.364	-0.6	67	0.00
45	C	1,2-Dichloropropane	0.351	0.346	1.4#	66	0.00
46	T	Dibromomethane	0.189	0.183	3.2	66	0.00
47	T	Bromodichloromethane	0.492	0.489	0.6	66	0.00
48	T	Methyl methacrylate	0.241	0.207	14.1	59	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	67	0.00
50	S	Toluene-d8	1.222	1.259	-3.0	69	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.220	13.0	59	0.00
52	CM	Toluene	0.923	0.912	1.2#	66	0.00
53	T	t-1,3-Dichloropropene	0.480	0.458	4.6	64	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.528	4.0	64	0.00
55	T	1,1,2-Trichloroethane	0.243	0.233	4.1	65	0.00
56	T	Ethyl methacrylate	0.378	0.347	8.2	62	0.00
57	T	1,3-Dichloropropane	0.431	0.417	3.2	65	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.153	10.0	57	0.00
59	T	2-Hexanone	0.170	0.145	14.7	59	0.00
60	T	Dibromochloromethane	0.315	0.304	3.5	64	0.00
61	T	1,2-Dibromoethane	0.226	0.216	4.4	64	0.00
62	S	4-Bromofluorobenzene	0.387	0.375	3.1	66	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	67	0.00
64	T	Tetrachloroethene	0.462	0.471	-1.9	66	0.00
65	PM	Chlorobenzene	1.128	1.122	0.5	65	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.383	1.3	65	0.00
67	C	Ethyl Benzene	2.113	2.120	-0.3#	65	0.00
68	T	m/p-Xylenes	0.796	0.803	-0.9	66	0.00
69	T	o-Xylene	0.753	0.738	2.0	64	0.00
70	T	Styrene	1.270	1.255	1.2	64	0.00
71	P	Bromoform	0.209	0.191	8.6	61	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	67	0.00
73	T	Isopropylbenzene	4.142	4.147	-0.1	66	0.00
74	T	N-amyl acetate	1.185	1.013	14.5	58	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.595	6.6	63	0.00
76	T	1,2,3-Trichloropropane	0.507	0.477	5.9	64	0.00
77	T	Bromobenzene	0.885	0.844	4.6	63	0.00
78	T	n-propylbenzene	4.996	5.062	-1.3	66	0.00
79	T	2-Chlorotoluene	2.746	2.655	3.3	63	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.297	1.4	65	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.220	12.0	62	0.00
82	T	4-Chlorotoluene	2.824	2.742	2.9	63	0.00
83	T	tert-Butylbenzene	2.972	2.924	1.6	65	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.232	2.6	63	0.00
85	T	sec-Butylbenzene	4.412	4.438	-0.6	65	0.00
86	T	p-Isopropyltoluene	3.710	3.717	-0.2	65	0.00
87	T	1,3-Dichlorobenzene	1.806	1.753	2.9	64	0.00
88	T	1,4-Dichlorobenzene	1.737	1.663	4.3	64	0.00
89	T	n-Butylbenzene	3.510	3.562	-1.5	65	0.00
90	T	Hexachloroethane	0.749	0.731	2.4	64	0.00
91	T	1,2-Dichlorobenzene	1.517	1.456	4.0	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	63	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.815	7.0	61	0.00
94	T	Hexachlorobutadiene	0.489	0.449	8.2	60	0.00
95	T	Naphthalene	1.663	1.486	10.6	60	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.680	8.5	60	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	67	0.00
2	T	Dichlorodifluoromethane	50.000	46.679	6.6	65	0.00
3	P	Chloromethane	50.000	49.842	0.3	71	0.00
4	C	Vinyl Chloride	50.000	62.153	-24.3#	85	0.00
5	T	Bromomethane	50.000	58.088	-16.2	89	0.00
6	T	Chloroethane	50.000	66.345	-32.7#	90	0.00
7	T	Trichlorofluoromethane	50.000	56.065	-12.1	77	0.00
8	T	Diethyl Ether	50.000	45.847	8.3	63	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.283	-2.6	69	0.00
10	T	Methyl Iodide	50.000	50.311	-0.6	62	0.00
11	T	Tert butyl alcohol	250.000	215.761	13.7	63	-0.01
12	CM	1,1-Dichloroethene	50.000	49.916	0.2#	67	0.00
13	T	Acrolein	250.000	122.519	51.0#	36	0.00
14	T	Allyl chloride	50.000	45.013	10.0	59	0.00
15	T	Acrylonitrile	250.000	226.925	9.2	63	0.00
16	T	Acetone	250.000	223.009	10.8	66	0.00
17	T	Carbon Disulfide	50.000	49.060	1.9	66	0.00
18	T	Methyl Acetate	50.000	42.141	15.7	61	0.00
19	T	Methyl tert-butyl Ether	50.000	46.893	6.2	64	0.00
20	T	Methylene Chloride	50.000	43.941	12.1	66	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.353	1.3	66	0.00
22	T	Diisopropyl ether	50.000	45.916	8.2	62	0.00
23	T	Vinyl Acetate	250.000	219.054	12.4	60	0.00
24	P	1,1-Dichloroethane	50.000	49.046	1.9	66	0.00
25	T	2-Butanone	250.000	214.116	14.4	61	0.00
26	T	2,2-Dichloropropane	50.000	49.606	0.8	67	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.159	-0.3	67	0.00
28	T	Bromochloromethane	50.000	49.834	0.3	67	0.00
29	T	Tetrahydrofuran	250.000	215.541	13.8	60	0.00
30	C	Chloroform	50.000	49.916	0.2#	66	0.00
31	T	Cyclohexane	50.000	46.827	6.3	66	0.00
32	T	1,1,1-Trichloroethane	50.000	49.587	0.8	67	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.805	2.4	66	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	68	0.00
35	S	Dibromofluoromethane	50.000	51.076	-2.2	69	0.00
36	T	1,1-Dichloropropene	50.000	50.028	-0.1	66	0.00
37	T	Ethyl Acetate	50.000	43.038	13.9	59	0.00
38	T	Carbon Tetrachloride	50.000	50.762	-1.5	68	0.00
39	T	Methylcyclohexane	50.000	50.127	-0.3	67	0.00
40	TM	Benzene	50.000	50.555	-1.1	67	0.00
41	T	Methacrylonitrile	50.000	45.192	9.6	61	0.00
42	TM	1,2-Dichloroethane	50.000	48.255	3.5	64	0.00
43	T	Isopropyl Acetate	50.000	43.001	14.0	59	0.00
44	TM	Trichloroethene	50.000	50.212	-0.4	67	0.00
45	C	1,2-Dichloropropane	50.000	49.181	1.6#	66	0.00
46	T	Dibromomethane	50.000	48.227	3.5	66	0.00
47	T	Bromodichloromethane	50.000	49.724	0.6	66	0.00
48	T	Methyl methacrylate	50.000	42.873	14.3	59	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	945.674	5.4	67	0.00
50	S	Toluene-d8	50.000	51.484	-3.0	69	0.00
51	T	4-Methyl-2-Pentanone	250.000	217.386	13.0	59	0.00
52	CM	Toluene	50.000	49.403	1.2#	66	0.00
53	T	t-1,3-Dichloropropene	50.000	47.744	4.5	64	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.006	4.0	64	0.00
55	T	1,1,2-Trichloroethane	50.000	48.082	3.8	65	0.00
56	T	Ethyl methacrylate	50.000	45.862	8.3	62	0.00
57	T	1,3-Dichloropropane	50.000	48.388	3.2	65	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	226.074	9.6	57	0.00
59	T	2-Hexanone	250.000	214.015	14.4	59	0.00
60	T	Dibromochloromethane	50.000	48.185	3.6	64	0.00
61	T	1,2-Dibromoethane	50.000	47.659	4.7	64	0.00
62	S	4-Bromofluorobenzene	50.000	48.365	3.3	66	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	67	0.00
64	T	Tetrachloroethene	50.000	50.915	-1.8	66	0.00
65	PM	Chlorobenzene	50.000	49.729	0.5	65	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.374	1.3	65	0.00
67	C	Ethyl Benzene	50.000	50.166	-0.3#	65	0.00
68	T	m/p-Xylenes	100.000	100.899	-0.9	66	0.00
69	T	o-Xylene	50.000	48.989	2.0	64	0.00
70	T	Styrene	50.000	49.374	1.3	64	0.00
71	P	Bromoform	50.000	45.610	8.8	61	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	67	0.00
73	T	Isopropylbenzene	50.000	50.055	-0.1	66	0.00
74	T	N-amyl acetate	50.000	42.753	14.5	58	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.716	6.6	63	0.00
76	T	1,2,3-Trichloropropane	50.000	47.114	5.8	64	0.00
77	T	Bromobenzene	50.000	47.696	4.6	63	0.00
78	T	n-propylbenzene	50.000	50.658	-1.3	66	0.00
79	T	2-Chlorotoluene	50.000	48.352	3.3	63	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.303	1.4	65	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.011	12.0	62	0.00
82	T	4-Chlorotoluene	50.000	48.542	2.9	63	0.00
83	T	tert-Butylbenzene	50.000	49.191	1.6	65	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.690	2.6	63	0.00
85	T	sec-Butylbenzene	50.000	50.299	-0.6	65	0.00
86	T	p-Isopropyltoluene	50.000	50.085	-0.2	65	0.00
87	T	1,3-Dichlorobenzene	50.000	48.536	2.9	64	0.00
88	T	1,4-Dichlorobenzene	50.000	47.869	4.3	64	0.00
89	T	n-Butylbenzene	50.000	50.735	-1.5	65	0.00
90	T	Hexachloroethane	50.000	48.777	2.4	64	0.00
91	T	1,2-Dichlorobenzene	50.000	47.987	4.0	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.506	9.0	63	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.496	7.0	61	0.00
94	T	Hexachlorobutadiene	50.000	45.960	8.1	60	0.00
95	T	Naphthalene	50.000	44.695	10.6	60	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.719	8.6	60	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022354.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date/Time: 05/21/2025 09:33

Lab File ID: VY022354.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	1.097	1.290	0.1	17.59	20
Vinyl Chloride	1.226	1.539		25.53	20
Bromomethane	0.998	1.409		41.18	20
Chloroethane	0.763	1.105		44.69	20
Tert butyl alcohol	0.042	0.036		-14.29	20
1,1-Dichloroethene	0.535	0.539		0.75	20
Acetone	0.102	0.081		-20.59	20
Carbon Disulfide	1.744	1.671		-4.19	20
Methyl tert-butyl Ether	1.475	1.411		-4.34	20
Methylene Chloride	0.662	0.589		-11.03	20
trans-1,2-Dichloroethene	0.590	0.587		-0.51	20
1,1-Dichloroethane	1.106	1.086	0.1	-1.81	20
2-Butanone	0.171	0.140		-18.13	20
Carbon Tetrachloride	0.509	0.504		-0.98	20
cis-1,2-Dichloroethene	0.681	0.680		-0.15	20
Chloroform	1.061	1.076		1.41	20
1,1,1-Trichloroethane	0.974	0.959		-1.54	20
Benzene	1.457	1.462		0.34	20
1,2-Dichloroethane	0.394	0.380		-3.55	20
Trichloroethene	0.362	0.361		-0.28	20
1,2-Dichloropropane	0.351	0.344		-1.99	20
Bromodichloromethane	0.492	0.488		-0.81	20
4-Methyl-2-Pentanone	0.253	0.218		-13.83	20
Toluene	0.923	0.907		-1.73	20
t-1,3-Dichloropropene	0.480	0.454		-5.42	20
cis-1,3-Dichloropropene	0.550	0.532		-3.27	20
1,1,2-Trichloroethane	0.243	0.239		-1.65	20
2-Hexanone	0.170	0.144		-15.29	20
Dibromochloromethane	0.315	0.315		0	20
Tetrachloroethene	0.462	0.450		-2.6	20
Chlorobenzene	1.128	1.102	0.3	-2.31	20
Ethyl Benzene	2.113	2.073		-1.89	20
m/p-Xylenes	0.796	0.779		-2.14	20
o-Xylene	0.753	0.748		-0.66	20
Styrene	1.270	1.247		-1.81	20
Bromoform	0.209	0.194	0.1	-7.18	20
1,1,2,2-Tetrachloroethane	0.637	0.611	0.3	-4.08	20
1,2-Dichloroethane-d4	0.546	0.529		-3.11	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022354.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2056 SAS No.: Q2056 SDG No.: Q2056

Instrument ID: MSVOA_Y Calibration Date/Time: 05/21/2025 09:33

Lab File ID: VY022354.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.298	0.305		2.35	20
Toluene-d8	1.222	1.247		2.05	20
4-Bromofluorobenzene	0.387	0.377		-2.58	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	174007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	248227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	116710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	92089	48.424	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.840%			
35) Dibromofluoromethane	7.634	113	88285	51.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.360%			
50) Toluene-d8	10.109	98	360363	51.005	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.408	95	108916	48.635	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	80453	44.310	ug/l	100
3) Chloromethane	2.068	50	224465	58.769	ug/l	98
4) Vinyl Chloride	2.202	62	267746	62.745	ug/l	97
5) Bromomethane	2.598	94	245209	70.589	ug/l	97
6) Chloroethane	2.733	64	192190	72.395	ug/l	97
7) Trichlorofluoromethane	3.050	101	246276	57.003	ug/l	98
8) Diethyl Ether	3.458	74	47968	46.264	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	92483	49.308	ug/l	99
10) Methyl Iodide	4.007	142	111664	51.438	ug/l	99
11) Tert butyl alcohol	4.878	59	31039	213.733	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	93844	50.419	ug/l	93
13) Acrolein	3.659	56	24222	114.092	ug/l	100
14) Allyl chloride	4.385	41	143684	44.026	ug/l	94
15) Acrylonitrile	5.067	53	97882	229.112	ug/l	99
16) Acetone	3.873	43	70221	196.925	ug/l	99
17) Carbon Disulfide	4.104	76	290831	47.917	ug/l	97
18) Methyl Acetate	4.391	43	50294	44.734	ug/l	92
19) Methyl tert-butyl Ether	5.116	73	245445	47.825	ug/l	98
20) Methylene Chloride	4.610	84	102418	44.450	ug/l	90
21) trans-1,2-Dichloroethene	5.116	96	102179	49.735	ug/l	98
22) Diisopropyl ether	6.025	45	316632	45.942	ug/l	98
23) Vinyl Acetate	5.964	43	904893	217.328	ug/l	96
24) 1,1-Dichloroethane	5.921	63	188990	49.083	ug/l	99
25) 2-Butanone	6.896	43	122015	204.563	ug/l	97
26) 2,2-Dichloropropane	6.884	77	167265	48.841	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	118334	49.913	ug/l	98
28) Bromochloromethane	7.244	49	81534	49.644	ug/l	97
29) Tetrahydrofuran	7.268	42	82325	214.534	ug/l	95
30) Chloroform	7.421	83	187229	50.694	ug/l	96
31) Cyclohexane	7.707	56	169821	44.142	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	166864	49.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	140269	49.365	ug/l	99
37) Ethyl Acetate	6.988	43	59717	43.679	ug/l	98
38) Carbon Tetrachloride	7.823	117	145598	49.502	ug/l	99
39) Methylcyclohexane	9.109	83	181025	47.420	ug/l	99
40) Benzene	8.085	78	422563	50.165	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.250	41	41100m	45.320	ug/l		
42) 1,2-Dichloroethane	8.158	62	109831	48.215	ug/l		100
43) Isopropyl Acetate	8.201	43	129856	43.552	ug/l	#	86
44) Trichloroethene	8.866	130	104360	49.826	ug/l		96
45) 1,2-Dichloropropane	9.146	63	99325	48.909	ug/l		97
46) Dibromomethane	9.231	93	53073	48.453	ug/l		98
47) Bromodichloromethane	9.426	83	141153	49.674	ug/l		99
48) Methyl methacrylate	9.219	41	59073	42.365	ug/l		93
49) 1,4-Dioxane	9.244	88	11436	924.183	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	315507	215.658	ug/l		96
52) Toluene	10.170	92	262126	49.142	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	131314	47.352	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	153782	48.401	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	69194	49.332	ug/l		97
56) Ethyl methacrylate	10.438	69	101849	46.616	ug/l		96
57) 1,3-Dichloropropane	10.719	76	121587	48.789	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	240643	245.385	ug/l		99
59) 2-Hexanone	10.762	43	208813	212.876	ug/l		98
60) Dibromochloromethane	10.914	129	90965	49.966	ug/l		99
61) 1,2-Dibromoethane	11.018	107	65188	49.865	ug/l		98
64) Tetrachloroethene	10.652	164	111707	48.687	ug/l		98
65) Chlorobenzene	11.444	112	273641	48.862	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	95250	49.474	ug/l		99
67) Ethyl Benzene	11.524	91	514483	49.054	ug/l		98
68) m/p-Xylenes	11.633	106	386655	97.836	ug/l		98
69) o-Xylene	11.956	106	185725	49.670	ug/l		97
70) Styrene	11.969	104	309526	49.073	ug/l		98
71) Bromoform	12.133	173	48172	46.356	ug/l	#	97
73) Isopropylbenzene	12.255	105	479821	49.625	ug/l		100
74) N-amyl acetate	12.072	43	118933	43.009	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	71286	47.940	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	51423m	43.491	ug/l		
77) Bromobenzene	12.536	156	100099	48.472	ug/l		98
78) n-propylbenzene	12.597	91	576083	49.396	ug/l		100
79) 2-Chlorotoluene	12.682	91	306662	47.849	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	380802	48.789	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	25850	44.288	ug/l		96
82) 4-Chlorotoluene	12.780	91	315707	47.891	ug/l		98
83) tert-Butylbenzene	12.999	119	335092	48.304	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	379530	48.985	ug/l		98
85) sec-Butylbenzene	13.176	105	510607	49.584	ug/l		100
86) p-Isopropyltoluene	13.292	119	426733	49.271	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	206836	49.063	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	200010	49.324	ug/l		98
89) n-Butylbenzene	13.621	91	410025	50.042	ug/l		98
90) Hexachloroethane	13.883	117	84048	48.074	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	174078	49.160	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11212	46.759	ug/l		94
93) 1,2,4-Trichlorobenzene	14.925	180	97466	47.650	ug/l		98
94) Hexachlorobutadiene	15.023	225	53367	46.785	ug/l		99
95) Naphthalene	15.145	128	180001	46.373	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	81475	46.954	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

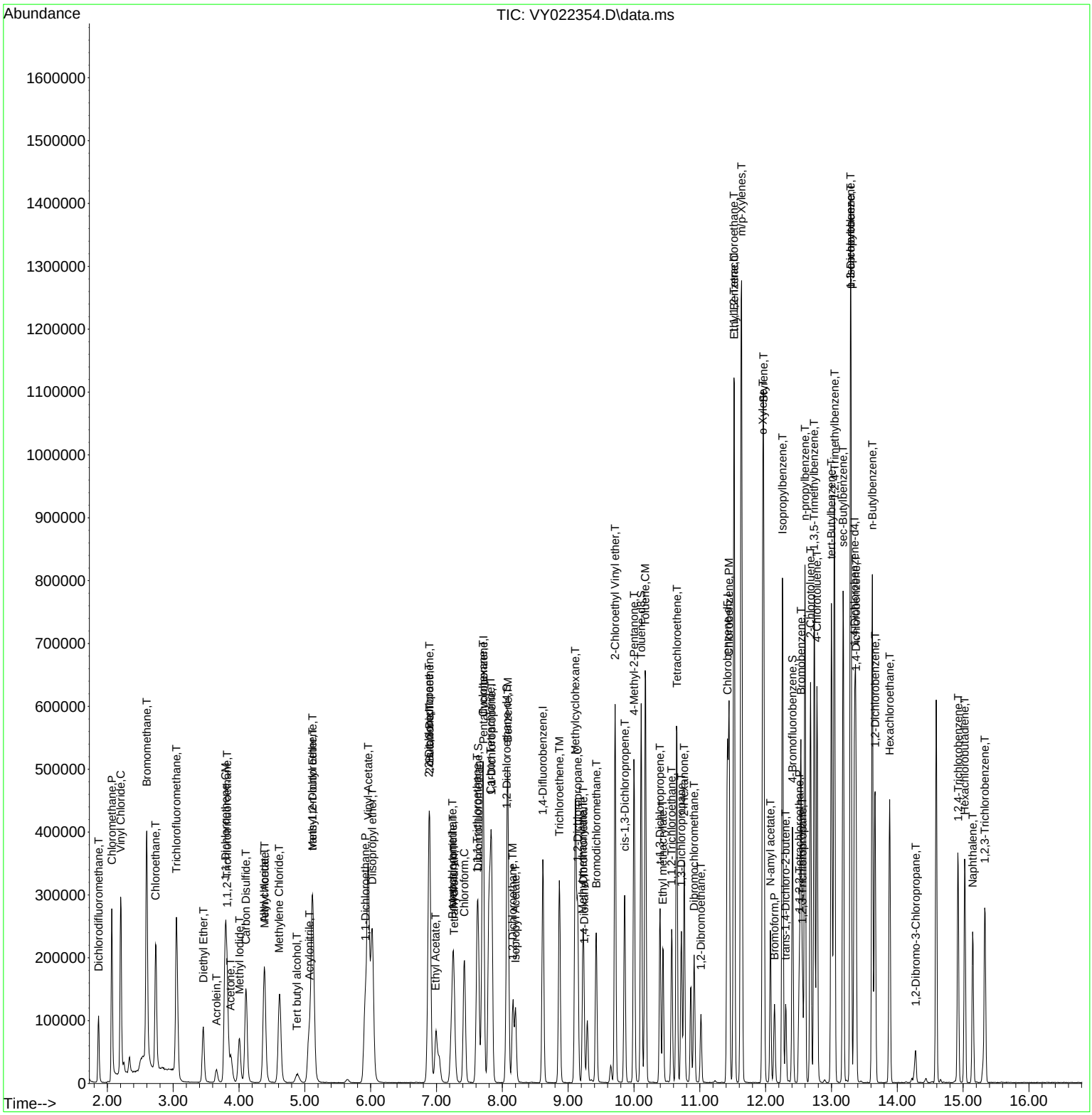
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025



Sample Results: **VY022354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	65	0.00
2	T	Dichlorodifluoromethane	0.522	0.462	11.5	59	0.00
3	P	Chloromethane	1.097	1.290	-17.6	80	0.00
4	C	Vinyl Chloride	1.226	1.539	-25.5#	83	0.00
5	T	Bromomethane	0.998	1.409	-41.2#	104	0.00
6	T	Chloroethane	0.763	1.104	-44.7#	95	0.00
7	T	Trichlorofluoromethane	1.241	1.415	-14.0	76	0.00
8	T	Diethyl Ether	0.298	0.276	7.4	61	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.531	1.5	64	0.00
10	T	Methyl Iodide	0.624	0.642	-2.9	61	0.00
11	T	Tert butyl alcohol	0.042	0.036	14.3	60	0.00
12	CM	1,1-Dichloroethene	0.535	0.539	-0.7#	65	0.00
13	T	Acrolein	0.061	0.028	54.1#	32#	0.00
14	T	Allyl chloride	0.938	0.826	11.9	56	0.00
15	T	Acrylonitrile	0.123	0.113	8.1	61	0.00
16	T	Acetone	0.102	0.081	20.6	56	0.00
17	T	Carbon Disulfide	1.744	1.671	4.2	62	0.00
18	T	Methyl Acetate	0.323	0.289	10.5	62	0.00
19	T	Methyl tert-butyl Ether	1.475	1.411	4.3	63	0.00
20	T	Methylene Chloride	0.662	0.589	11.0	64	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.587	0.5	64	0.00
22	T	Diisopropyl ether	1.980	1.820	8.1	60	0.00
23	T	Vinyl Acetate	1.196	1.040	13.0	58	0.00
24	P	1,1-Dichloroethane	1.106	1.086	1.8	63	0.00
25	T	2-Butanone	0.171	0.140	18.1	57	0.00
26	T	2,2-Dichloropropane	0.984	0.961	2.3	63	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.680	0.1	64	0.00
28	T	Bromochloromethane	0.472	0.469	0.6	64	0.00
29	T	Tetrahydrofuran	0.110	0.095	13.6	58	0.00
30	C	Chloroform	1.061	1.076	-1.4#	65	0.00
31	T	Cyclohexane	1.105	0.976	11.7	60	0.00
32	T	1,1,1-Trichloroethane	0.974	0.959	1.5	64	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.529	3.1	64	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	66	0.00
35	S	Dibromofluoromethane	0.298	0.305	-2.3	67	0.00
36	T	1,1-Dichloropropene	0.492	0.485	1.4	63	0.00
37	T	Ethyl Acetate	0.237	0.207	12.7	58	0.00
38	T	Carbon Tetrachloride	0.509	0.504	1.0	64	0.00
39	T	Methylcyclohexane	0.660	0.626	5.2	62	0.00
40	TM	Benzene	1.457	1.462	-0.3	64	0.00
41	T	Methacrylonitrile	0.157	0.142	9.6	59	0.03
42	TM	1,2-Dichloroethane	0.394	0.380	3.6	62	0.00
43	T	Isopropyl Acetate	0.516	0.449	13.0	58	0.00
44	TM	Trichloroethene	0.362	0.361	0.3	64	0.00
45	C	1,2-Dichloropropane	0.351	0.344	2.0#	63	0.00
46	T	Dibromomethane	0.189	0.184	2.6	64	0.00
47	T	Bromodichloromethane	0.492	0.488	0.8	64	0.00
48	T	Methyl methacrylate	0.241	0.204	15.4	56	0.00

Sample Results: **VY022354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	63	0.01
50	S	Toluene-d8	1.222	1.247	-2.0	67	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.218	13.8	57	0.00
52	CM	Toluene	0.923	0.907	1.7#	63	0.00
53	T	t-1,3-Dichloropropene	0.480	0.454	5.4	61	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.532	3.3	62	0.00
55	T	1,1,2-Trichloroethane	0.243	0.239	1.6	65	0.00
56	T	Ethyl methacrylate	0.378	0.352	6.9	61	0.00
57	T	1,3-Dichloropropane	0.431	0.421	2.3	63	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.167	1.8	60	0.00
59	T	2-Hexanone	0.170	0.144	15.3	57	0.00
60	T	Dibromochloromethane	0.315	0.315	0.0	64	0.00
61	T	1,2-Dibromoethane	0.226	0.226	0.0	65	0.00
62	S	4-Bromofluorobenzene	0.387	0.377	2.6	64	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	66	0.00
64	T	Tetrachloroethene	0.462	0.450	2.6	62	0.00
65	PM	Chlorobenzene	1.128	1.102	2.3	63	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.384	1.0	64	0.00
67	C	Ethyl Benzene	2.113	2.073	1.9#	63	0.00
68	T	m/p-Xylenes	0.796	0.779	2.1	63	0.00
69	T	o-Xylene	0.753	0.748	0.7	64	0.00
70	T	Styrene	1.270	1.247	1.8	63	0.00
71	P	Bromoform	0.209	0.194	7.2	61	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	65	0.00
73	T	Isopropylbenzene	4.142	4.111	0.7	63	0.00
74	T	N-amyl acetate	1.185	1.019	14.0	57	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.611	4.1	63	0.00
76	T	1,2,3-Trichloropropane	0.507	0.441	13.0	57	0.00
77	T	Bromobenzene	0.885	0.858	3.1	62	0.00
78	T	n-propylbenzene	4.996	4.936	1.2	62	0.00
79	T	2-Chlorotoluene	2.746	2.628	4.3	61	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.263	2.4	62	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.221	11.6	61	0.00
82	T	4-Chlorotoluene	2.824	2.705	4.2	60	0.00
83	T	tert-Butylbenzene	2.972	2.871	3.4	61	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.252	2.0	62	0.00
85	T	sec-Butylbenzene	4.412	4.375	0.8	62	0.00
86	T	p-Isopropyltoluene	3.710	3.656	1.5	62	0.00
87	T	1,3-Dichlorobenzene	1.806	1.772	1.9	62	0.00
88	T	1,4-Dichlorobenzene	1.737	1.714	1.3	63	0.00
89	T	n-Butylbenzene	3.510	3.513	-0.1	62	0.00
90	T	Hexachloroethane	0.749	0.720	3.9	61	0.00
91	T	1,2-Dichlorobenzene	1.517	1.492	1.6	63	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.096	6.8	62	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.835	4.7	60	0.00
94	T	Hexachlorobutadiene	0.489	0.457	6.5	59	0.00
95	T	Naphthalene	1.663	1.542	7.3	60	0.00

Sample Results: **VY022354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.743	0.698	6.1	60	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	65	0.00
2	T	Dichlorodifluoromethane	50.000	44.310	11.4	59	0.00
3	P	Chloromethane	50.000	58.769	-17.5	80	0.00
4	C	Vinyl Chloride	50.000	62.745	-25.5#	83	0.00
5	T	Bromomethane	50.000	70.589	-41.2#	104	0.00
6	T	Chloroethane	50.000	72.395	-44.8#	95	0.00
7	T	Trichlorofluoromethane	50.000	57.003	-14.0	76	0.00
8	T	Diethyl Ether	50.000	46.264	7.5	61	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.308	1.4	64	0.00
10	T	Methyl Iodide	50.000	51.438	-2.9	61	0.00
11	T	Tert butyl alcohol	250.000	213.733	14.5	60	0.00
12	CM	1,1-Dichloroethene	50.000	50.419	-0.8#	65	0.00
13	T	Acrolein	250.000	114.092	54.4#	32	0.00
14	T	Allyl chloride	50.000	44.026	11.9	56	0.00
15	T	Acrylonitrile	250.000	229.112	8.4	61	0.00
16	T	Acetone	250.000	196.925	21.2	56	0.00
17	T	Carbon Disulfide	50.000	47.917	4.2	62	0.00
18	T	Methyl Acetate	50.000	44.734	10.5	62	0.00
19	T	Methyl tert-butyl Ether	50.000	47.825	4.3	63	0.00
20	T	Methylene Chloride	50.000	44.450	11.1	64	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.735	0.5	64	0.00
22	T	Diisopropyl ether	50.000	45.942	8.1	60	0.00
23	T	Vinyl Acetate	250.000	217.328	13.1	58	0.00
24	P	1,1-Dichloroethane	50.000	49.083	1.8	63	0.00
25	T	2-Butanone	250.000	204.563	18.2	57	0.00
26	T	2,2-Dichloropropane	50.000	48.841	2.3	63	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.913	0.2	64	0.00
28	T	Bromochloromethane	50.000	49.644	0.7	64	0.00
29	T	Tetrahydrofuran	250.000	214.534	14.2	58	0.00
30	C	Chloroform	50.000	50.694	-1.4#	65	0.00
31	T	Cyclohexane	50.000	44.142	11.7	60	0.00
32	T	1,1,1-Trichloroethane	50.000	49.246	1.5	64	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.424	3.2	64	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	66	0.00
35	S	Dibromofluoromethane	50.000	51.177	-2.4	67	0.00
36	T	1,1-Dichloropropene	50.000	49.365	1.3	63	0.00
37	T	Ethyl Acetate	50.000	43.679	12.6	58	0.00
38	T	Carbon Tetrachloride	50.000	49.502	1.0	64	0.00
39	T	Methylcyclohexane	50.000	47.420	5.2	62	0.00
40	TM	Benzene	50.000	50.165	-0.3	64	0.00
41	T	Methacrylonitrile	50.000	45.320	9.4	59	0.03
42	TM	1,2-Dichloroethane	50.000	48.215	3.6	62	0.00
43	T	Isopropyl Acetate	50.000	43.552	12.9	58	0.00
44	TM	Trichloroethene	50.000	49.826	0.3	64	0.00
45	C	1,2-Dichloropropane	50.000	48.909	2.2#	63	0.00
46	T	Dibromomethane	50.000	48.453	3.1	64	0.00
47	T	Bromodichloromethane	50.000	49.674	0.7	64	0.00
48	T	Methyl methacrylate	50.000	42.365	15.3	56	0.00

Sample Results: **VY022354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	924.183	7.6	63	0.01
50	S	Toluene-d8	50.000	51.005	-2.0	67	0.00
51	T	4-Methyl-2-Pentanone	250.000	215.658	13.7	57	0.00
52	CM	Toluene	50.000	49.142	1.7#	63	0.00
53	T	t-1,3-Dichloropropene	50.000	47.352	5.3	61	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.401	3.2	62	0.00
55	T	1,1,2-Trichloroethane	50.000	49.332	1.3	65	0.00
56	T	Ethyl methacrylate	50.000	46.616	6.8	61	0.00
57	T	1,3-Dichloropropane	50.000	48.789	2.4	63	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	245.385	1.8	60	0.00
59	T	2-Hexanone	250.000	212.876	14.8	57	0.00
60	T	Dibromochloromethane	50.000	49.966	0.1	64	0.00
61	T	1,2-Dibromoethane	50.000	49.865	0.3	65	0.00
62	S	4-Bromofluorobenzene	50.000	48.635	2.7	64	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	66	0.00
64	T	Tetrachloroethene	50.000	48.687	2.6	62	0.00
65	PM	Chlorobenzene	50.000	48.862	2.3	63	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.474	1.1	64	0.00
67	C	Ethyl Benzene	50.000	49.054	1.9#	63	0.00
68	T	m/p-Xylenes	100.000	97.836	2.2	63	0.00
69	T	o-Xylene	50.000	49.670	0.7	64	0.00
70	T	Styrene	50.000	49.073	1.9	63	0.00
71	P	Bromoform	50.000	46.356	7.3	61	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	65	0.00
73	T	Isopropylbenzene	50.000	49.625	0.8	63	0.00
74	T	N-amyl acetate	50.000	43.009	14.0	57	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.940	4.1	63	0.00
76	T	1,2,3-Trichloropropane	50.000	43.491	13.0	57	0.00
77	T	Bromobenzene	50.000	48.472	3.1	62	0.00
78	T	n-propylbenzene	50.000	49.396	1.2	62	0.00
79	T	2-Chlorotoluene	50.000	47.849	4.3	61	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.789	2.4	62	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.288	11.4	61	0.00
82	T	4-Chlorotoluene	50.000	47.891	4.2	60	0.00
83	T	tert-Butylbenzene	50.000	48.304	3.4	61	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.985	2.0	62	0.00
85	T	sec-Butylbenzene	50.000	49.584	0.8	62	0.00
86	T	p-Isopropyltoluene	50.000	49.271	1.5	62	0.00
87	T	1,3-Dichlorobenzene	50.000	49.063	1.9	62	0.00
88	T	1,4-Dichlorobenzene	50.000	49.324	1.4	63	0.00
89	T	n-Butylbenzene	50.000	50.042	-0.1	62	0.00
90	T	Hexachloroethane	50.000	48.074	3.9	61	0.00
91	T	1,2-Dichlorobenzene	50.000	49.160	1.7	63	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.759	6.5	62	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.650	4.7	60	0.00
94	T	Hexachlorobutadiene	50.000	46.785	6.4	59	0.00
95	T	Naphthalene	50.000	46.373	7.3	60	0.00

Sample Results: **VY022354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022354.D
Acq On : 21 May 2025 09:33
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 22 00:03:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.954	6.1	60	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

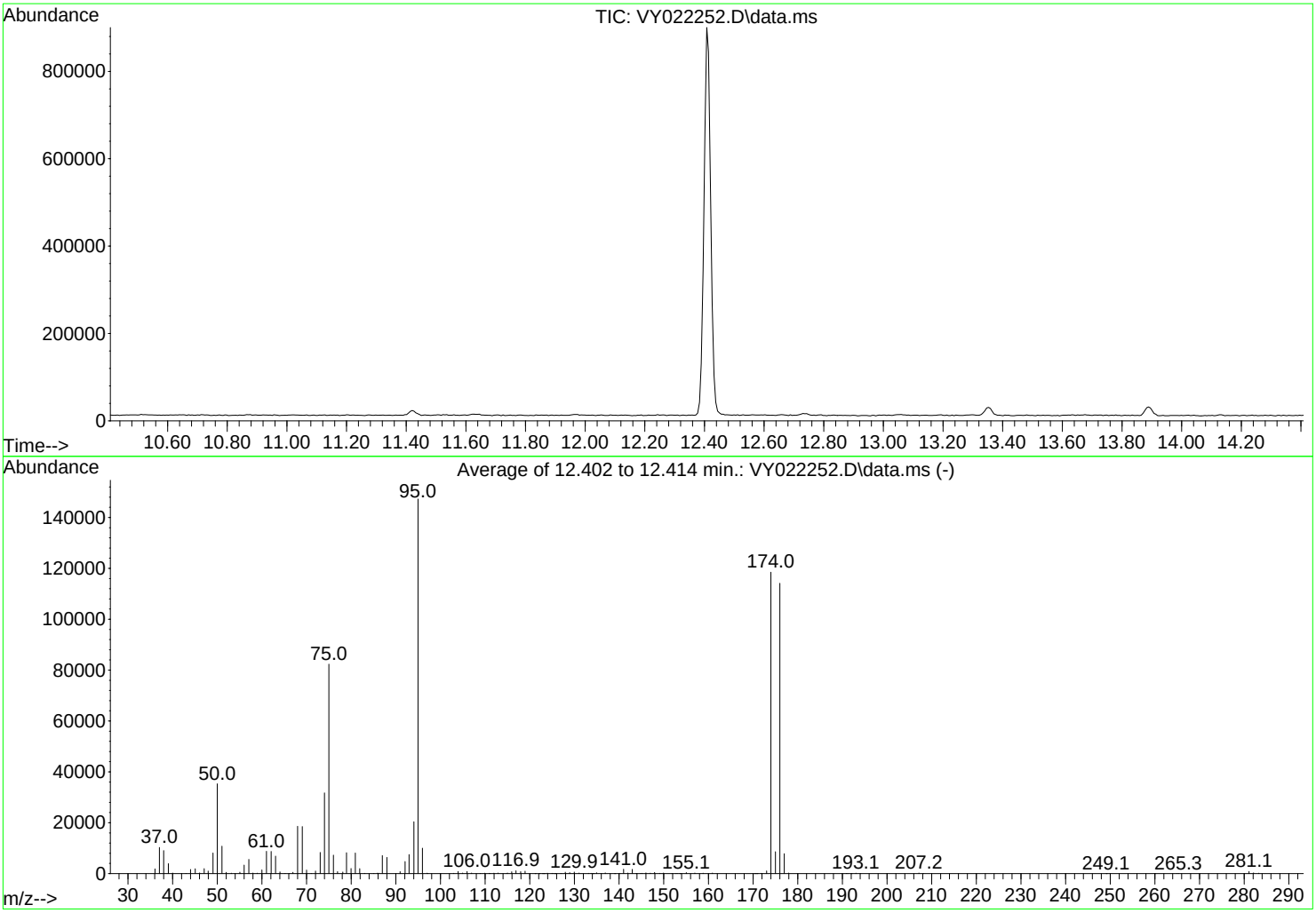
Sample Results: **VY022252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022252.D
Acq On : 15 May 2025 07:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	35318	PASS
75	95	30	60	55.9	82344	PASS
95	95	100	100	100.0	147275	PASS
96	95	5	9	6.8	9993	PASS
173	174	0.00	2	0.9	1042	PASS
174	95	50	100	80.5	118504	PASS
175	174	5	9	7.3	8635	PASS
176	174	95	101	96.3	114157	PASS
177	176	5	9	6.8	7810	PASS

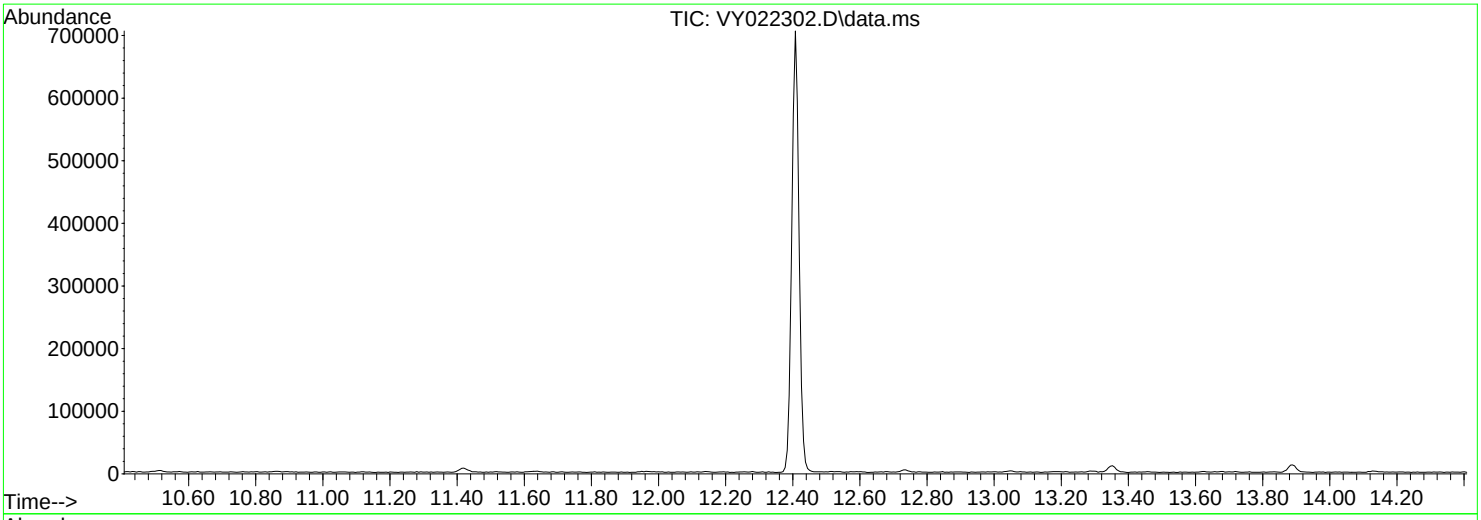
Sample Results: **VY022302.D**

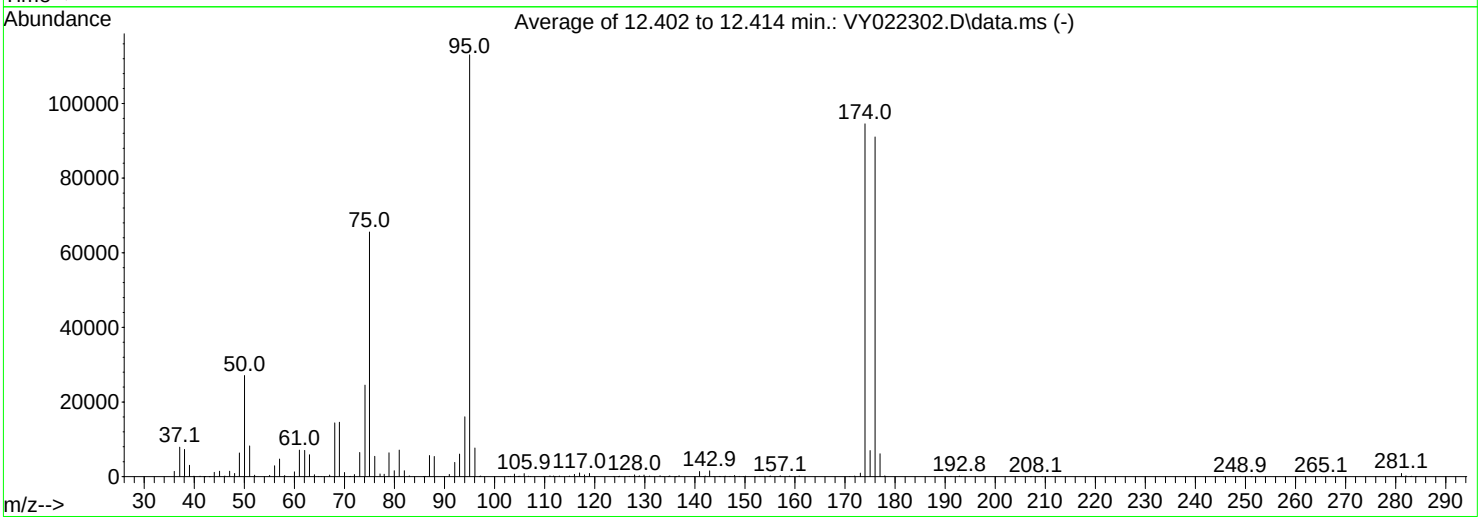
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022302.D
Acq On : 19 May 2025 07:57
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	27112	PASS
75	95	30	60	58.0	65560	PASS
95	95	100	100	100.0	113035	PASS
96	95	5	9	6.8	7676	PASS
173	174	0.00	2	1.0	967	PASS
174	95	50	100	83.6	94552	PASS
175	174	5	9	7.4	6986	PASS
176	174	95	101	96.3	91027	PASS
177	176	5	9	6.7	6144	PASS

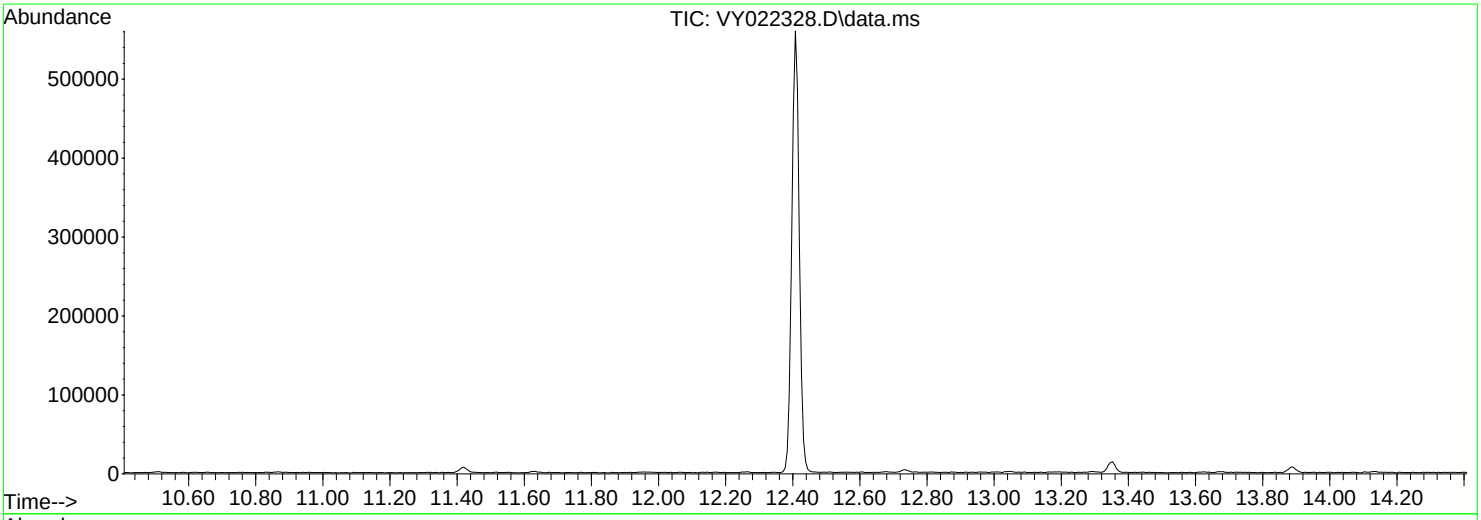
Sample Results: **VY022328.D**

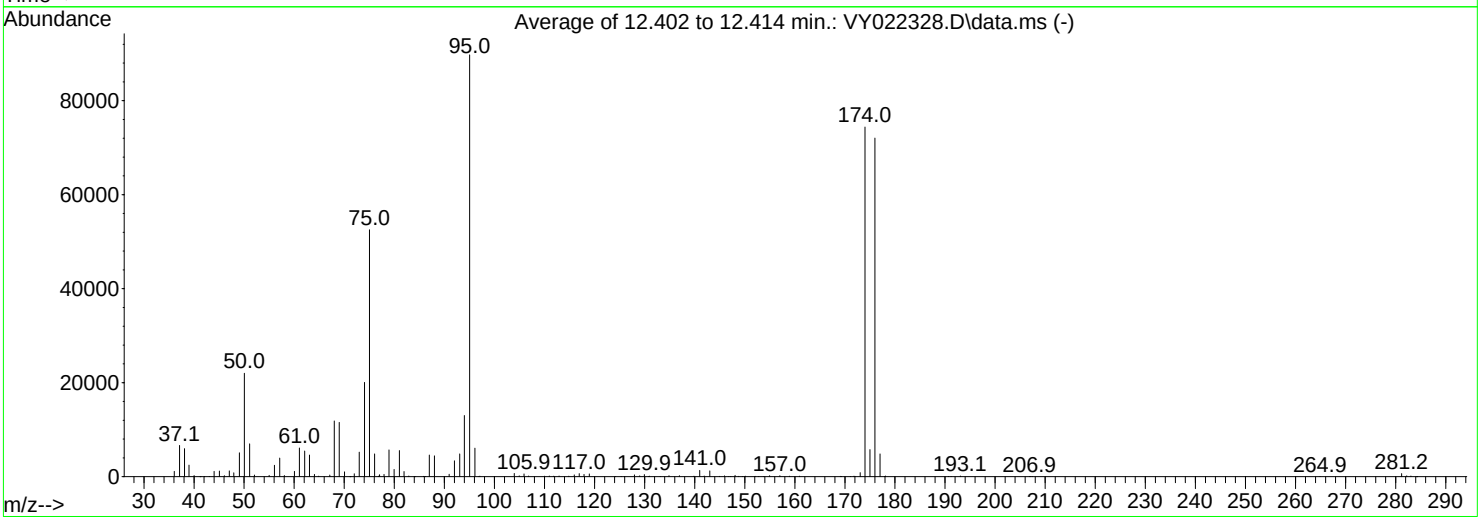
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022328.D
Acq On : 20 May 2025 08:09
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.5	21987	PASS
75	95	30	60	58.5	52528	PASS
95	95	100	100	100.0	89755	PASS
96	95	5	9	6.7	6051	PASS
173	174	0.00	2	1.2	859	PASS
174	95	50	100	82.9	74379	PASS
175	174	5	9	7.7	5741	PASS
176	174	95	101	96.8	72035	PASS
177	176	5	9	6.7	4837	PASS

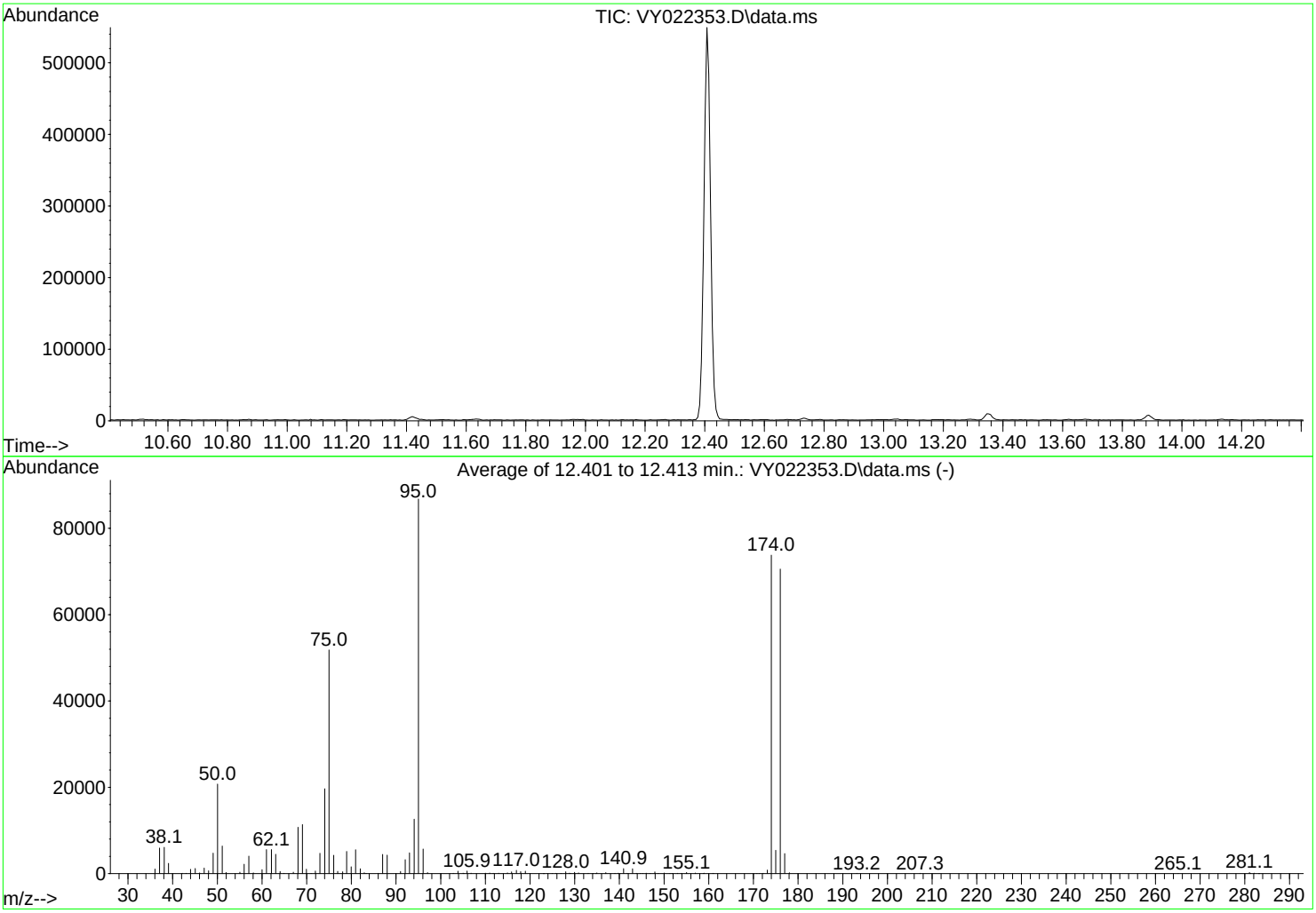
Sample Results: **VY022353.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022353.D
Acq On : 21 May 2025 09:02
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	20739	PASS
75	95	30	60	59.7	51821	PASS
95	95	100	100	100.0	86803	PASS
96	95	5	9	6.6	5713	PASS
173	174	0.00	2	1.1	843	PASS
174	95	50	100	85.0	73784	PASS
175	174	5	9	7.3	5417	PASS
176	174	95	101	95.6	70552	PASS
177	176	5	9	6.6	4653	PASS

Raw Data: **VY022304.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0519SBL01	SDG No.:	Q2056
Lab Sample ID:	VY0519SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022304.D	1		05/19/25 09:00	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY022304.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0519SBL01	SDG No.:	Q2056
Lab Sample ID:	VY0519SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022304.D	1		05/19/25 09:00	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.1		63 - 155	82%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		70 - 134	95%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.7		38 - 136	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	331000	7.707			
540-36-3	1,4-Difluorobenzene	571000	8.616			
3114-55-4	Chlorobenzene-d5	439000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022304.D
Acq On : 19 May 2025 09:00
Operator : SY/MD
Sample : VY0519SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Quant Time: May 20 01:08:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	331048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	571469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	438659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148693	41.098	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 82.200%			
35) Dibromofluoromethane	7.634	113	161852	47.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.900%			
50) Toluene-d8	10.109	98	681316	48.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.540%			
62) 4-Bromofluorobenzene	12.408	95	166911	37.696	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.400%			

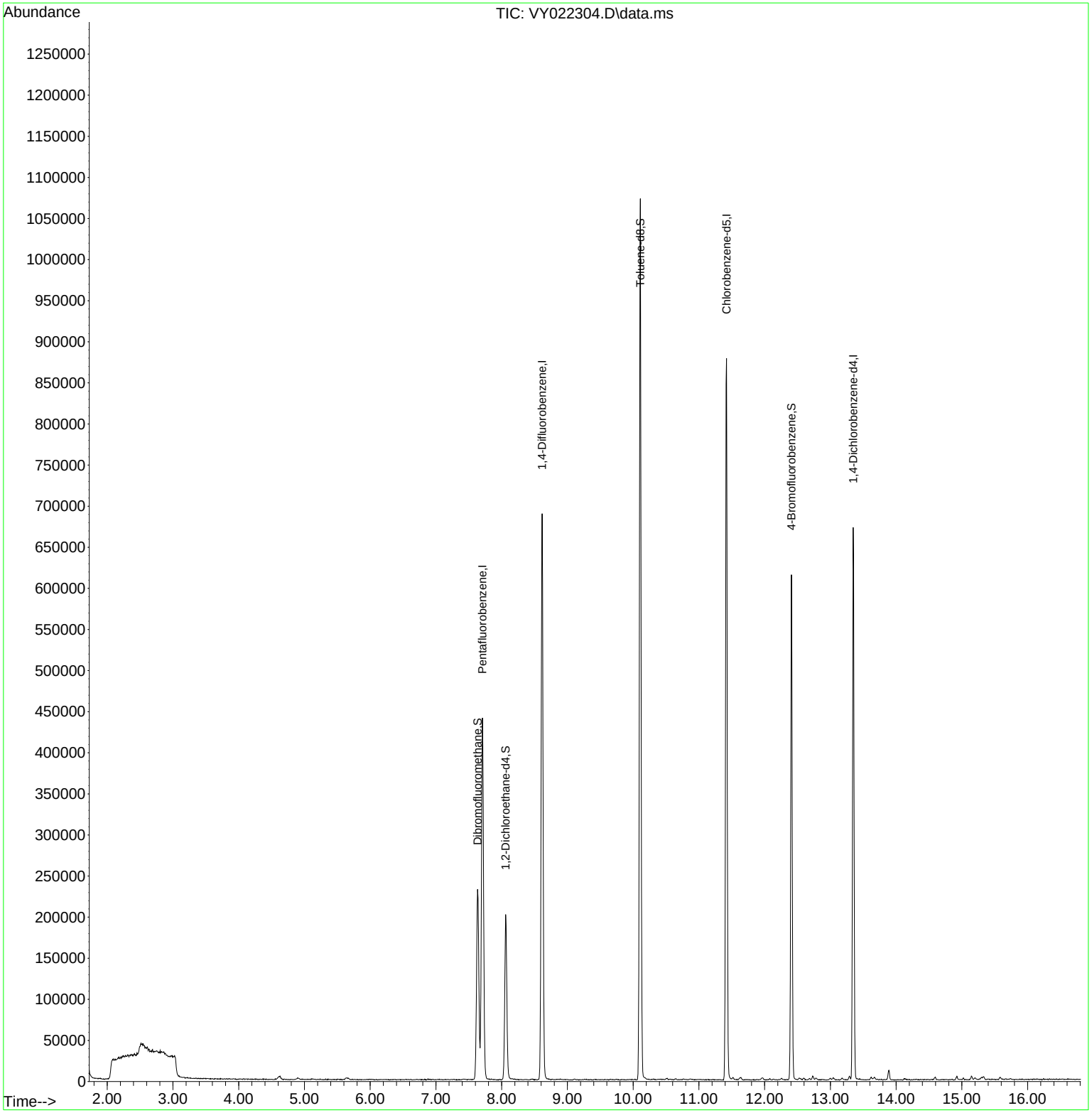
Target Compounds Qvalue

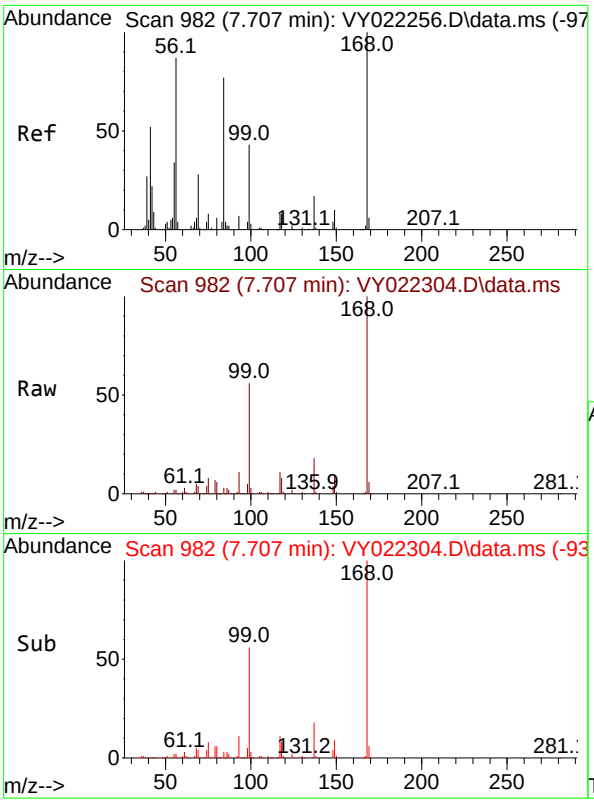
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022304.D
Acq On : 19 May 2025 09:00
Operator : SY/MD
Sample : VY0519SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Quant Time: May 20 01:08:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



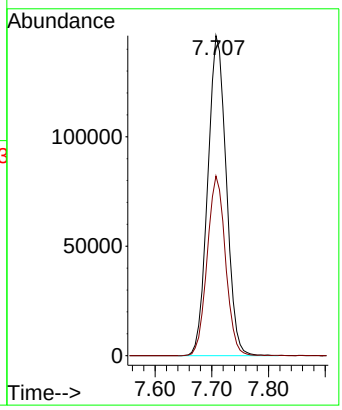


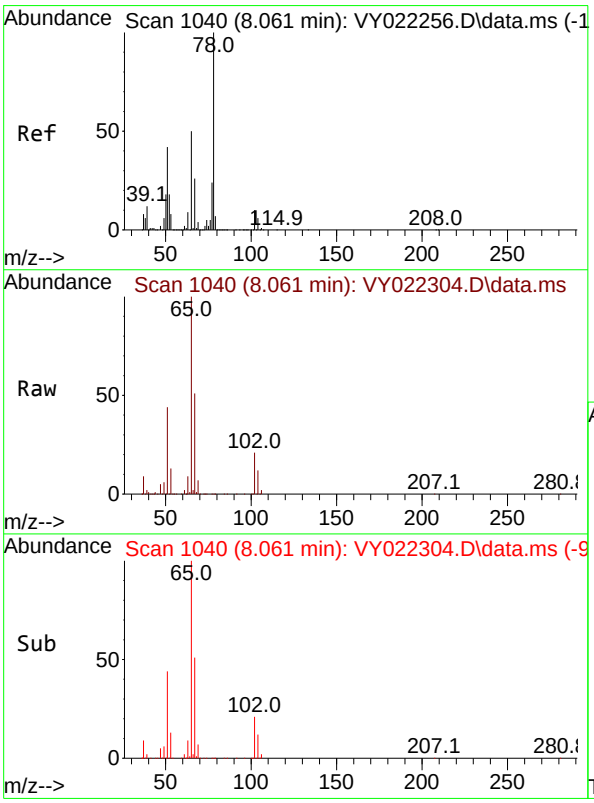
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion:168 Resp: 331048

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.2	66.4

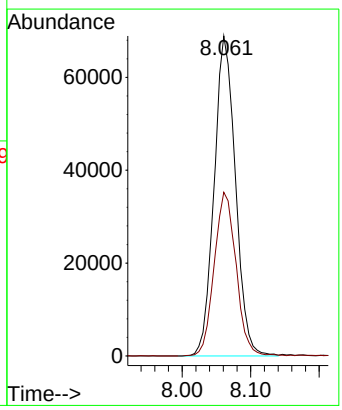


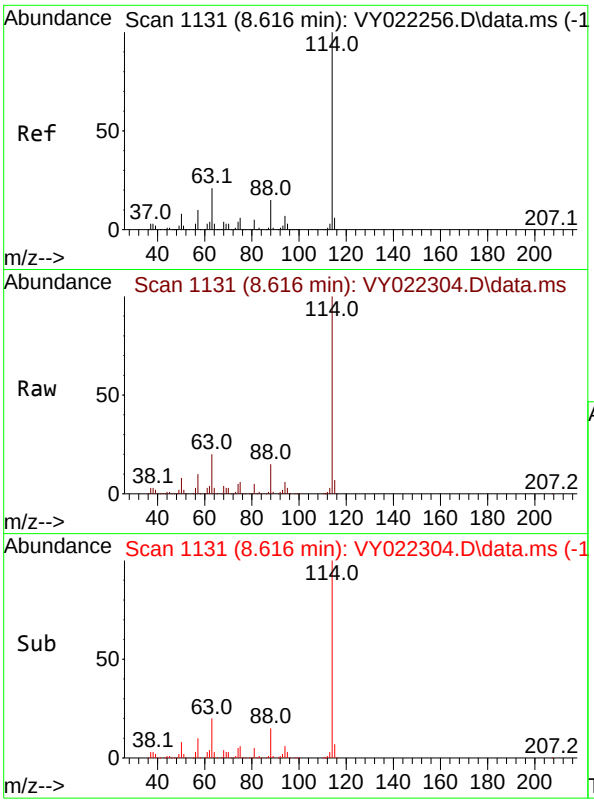


#33
1,2-Dichloroethane-d4
Concen: 41.098 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 65 Resp: 148693

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



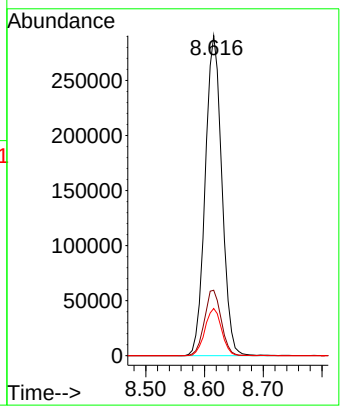


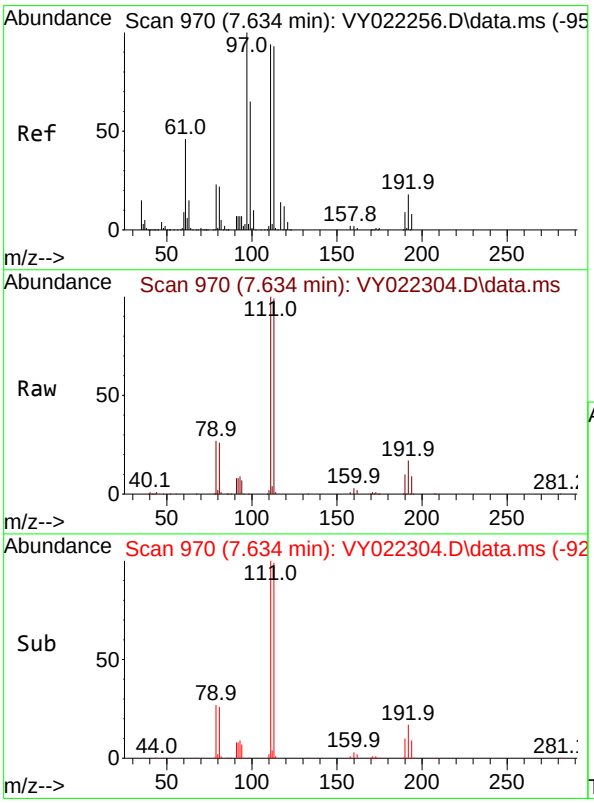
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion:114 Resp: 571469

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	41.0
88	14.7	0.0	29.4

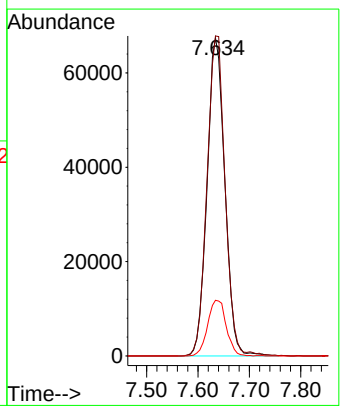


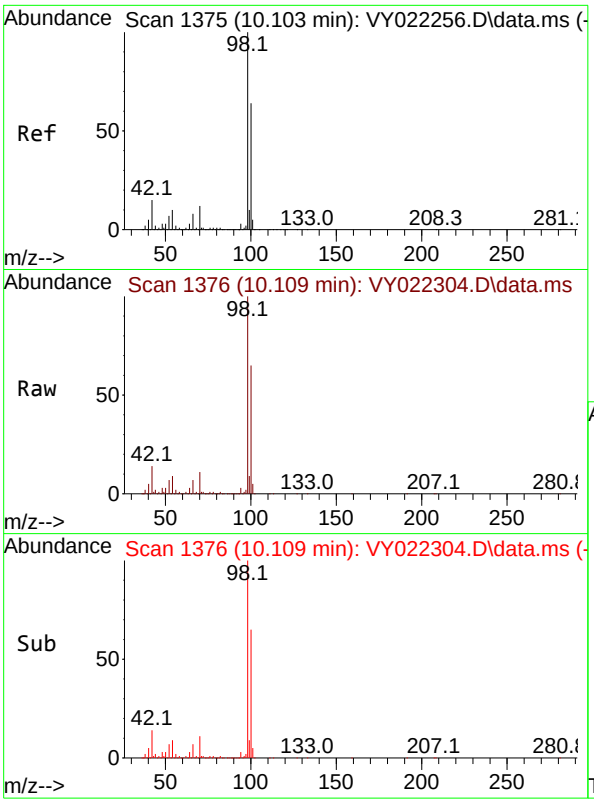


#35
Dibromofluoromethane
Concen: 47.452 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion:113 Resp: 161852

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.3	15.2	22.8



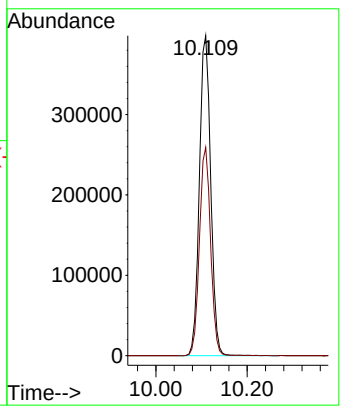


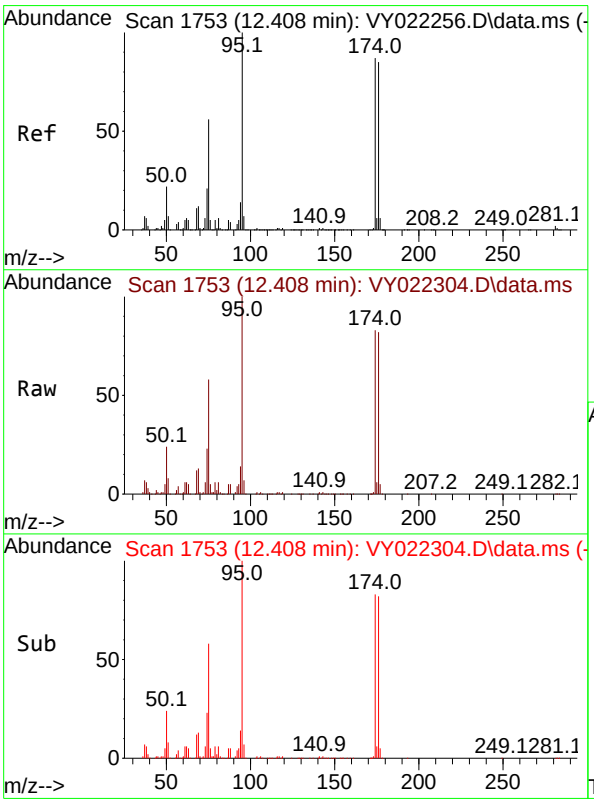
#50
Toluene-d8
Concen: 48.772 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion: 98 Resp: 681316

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8

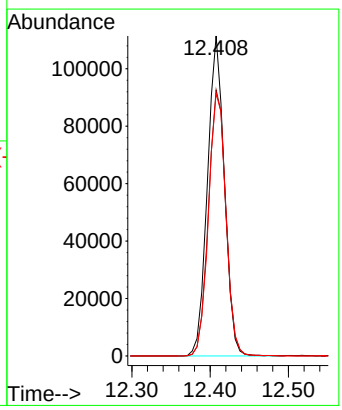


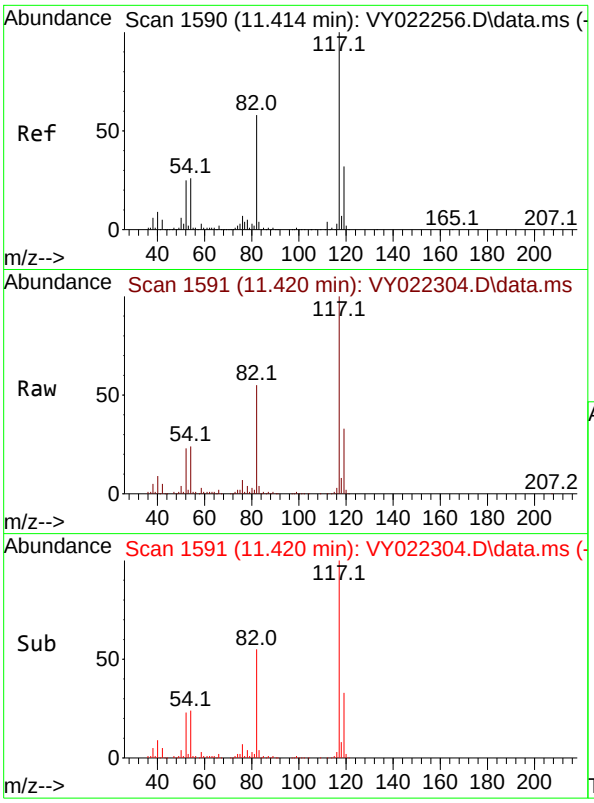


#62
4-Bromofluorobenzene
Concen: 37.696 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion: 95 Resp: 166911

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	166.8
176	84.4	0.0	160.8



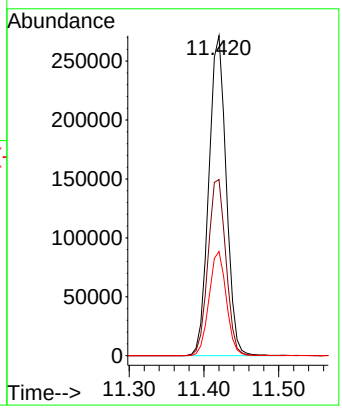


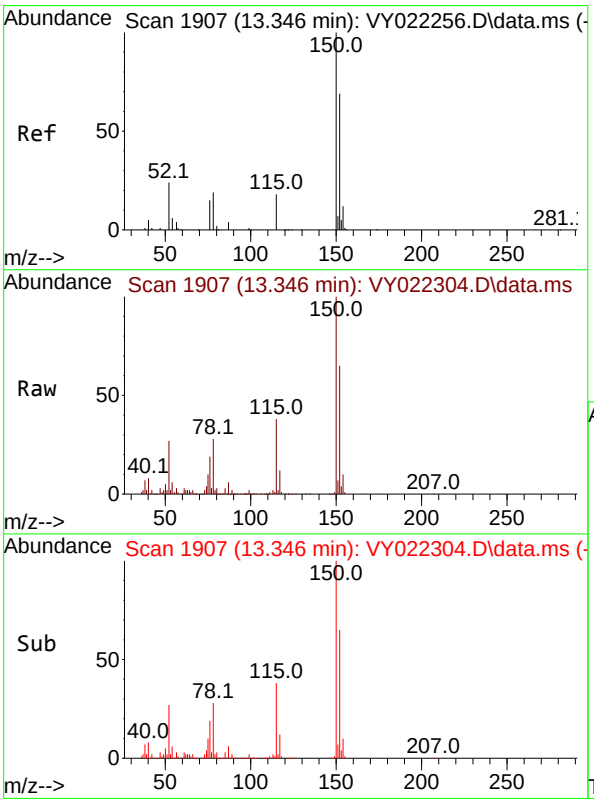
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Tgt Ion:117 Resp: 438659

Ion	Ratio	Lower	Upper
117	100		
82	55.1	46.6	70.0
119	32.5	25.8	38.6

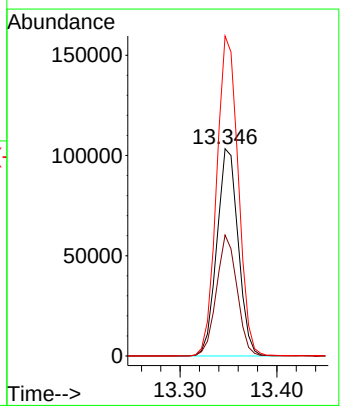




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022304.D
Acq: 19 May 2025 09:00

Tgt Ion:152 Resp: 158015

Ion	Ratio	Lower	Upper
152	100		
115	56.4	29.4	88.2
150	156.2	0.0	353.8



Sample Results: **VY022304.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022304.D
Acq On : 19 May 2025 09:00
Operator : SY/MD
Sample : VY0519SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022304.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	2.092	49	61	63	rBV6	24533	78484	4.22%	0.900%
2	7.634	959	970	976	rBV	231293	554923	29.87%	6.362%
3	7.707	976	982	997	rVB	439523	986801	53.11%	11.313%
4	8.061	1029	1040	1053	rBV	201353	446034	24.01%	5.113%
5	8.616	1122	1131	1143	rBV	688190	1357124	73.04%	15.558%
6	10.109	1366	1376	1393	rBV	1072255	1857991	100.00%	21.300%
7	11.420	1583	1591	1602	rBV	878188	1452457	78.17%	16.651%
8	12.408	1744	1753	1763	rBV	614660	942357	50.72%	10.803%
9	13.346	1901	1907	1915	rBV	671041	1027778	55.32%	11.782%
10	13.889	1991	1996	2002	rVB	11667	19139	1.03%	0.219%

Sum of corrected areas: 8723088

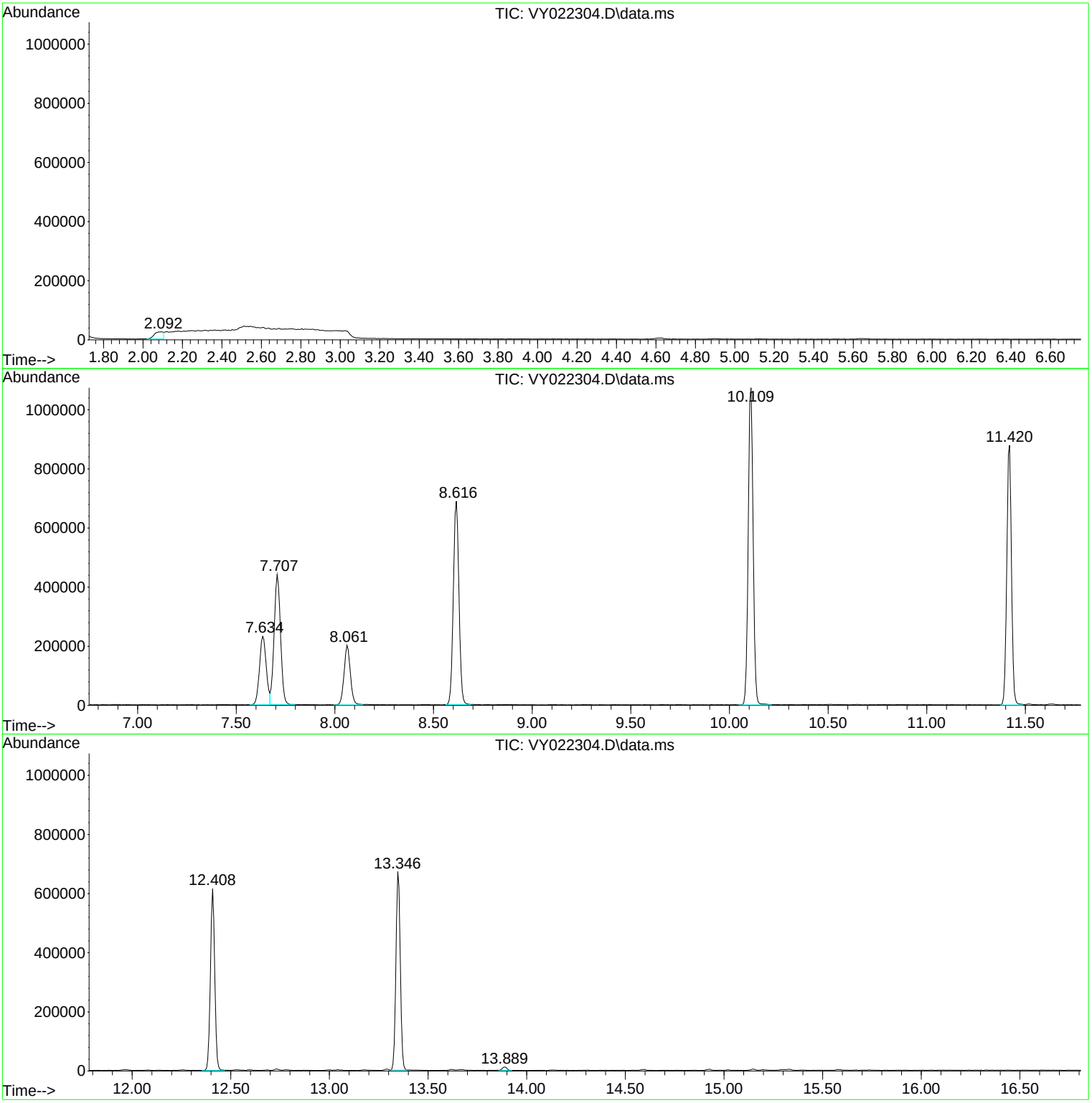
Sample Results: **VY022304.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022304.D
Acq On : 19 May 2025 09:00
Operator : SY/MD
Sample : VY0519SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022304.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022304.D
Acq On : 19 May 2025 09:00
Operator : SY/MD
Sample : VY0519SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022304.D
Acq On : 19 May 2025 09:00
Operator : SY/MD
Sample : VY0519SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY022330.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0520SBL01	SDG No.:	Q2056
Lab Sample ID:	VY0520SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022330.D	1		05/20/25 09:48	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY022330.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0520SBL01	SDG No.:	Q2056
Lab Sample ID:	VY0520SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022330.D	1		05/20/25 09:48	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.707			
540-36-3	1,4-Difluorobenzene	453000	8.615			
3114-55-4	Chlorobenzene-d5	356000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Time: May 21 01:43:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	453295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126632	45.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.340%			
35) Dibromofluoromethane	7.634	113	130811	48.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.700%			
50) Toluene-d8	10.109	98	538600	48.607	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.407	95	184563	52.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.100%			

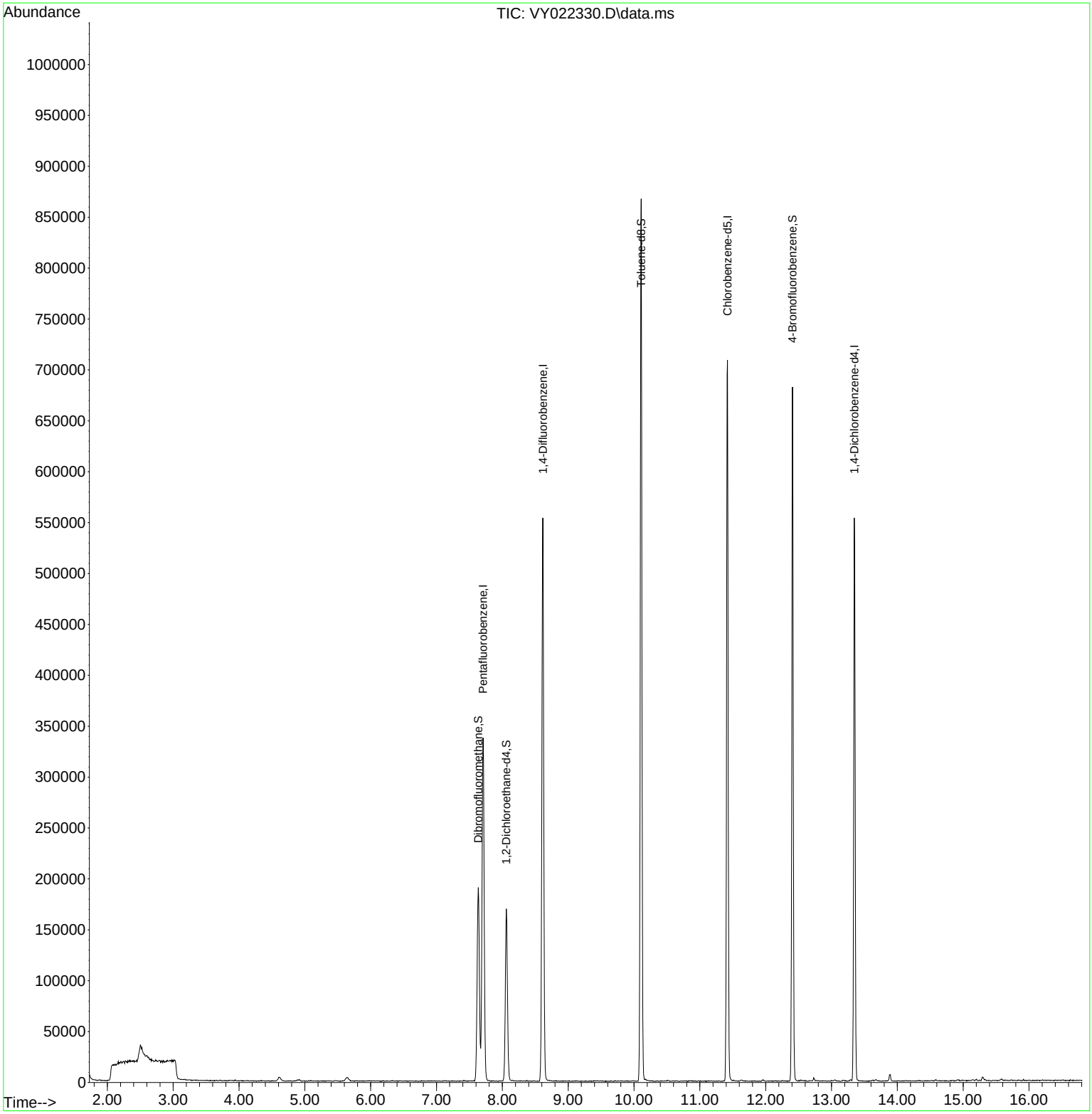
Target Compounds Qvalue

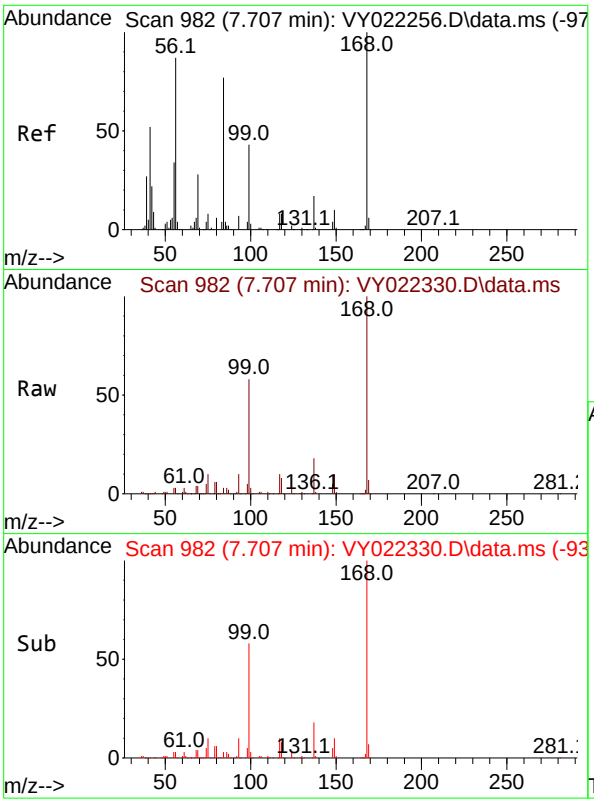
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Time: May 21 01:43:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



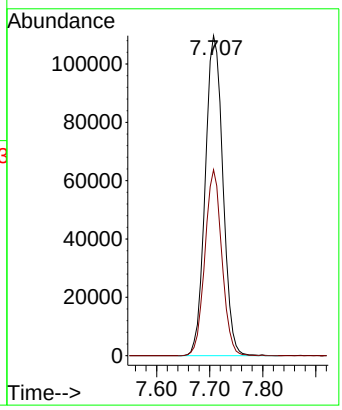


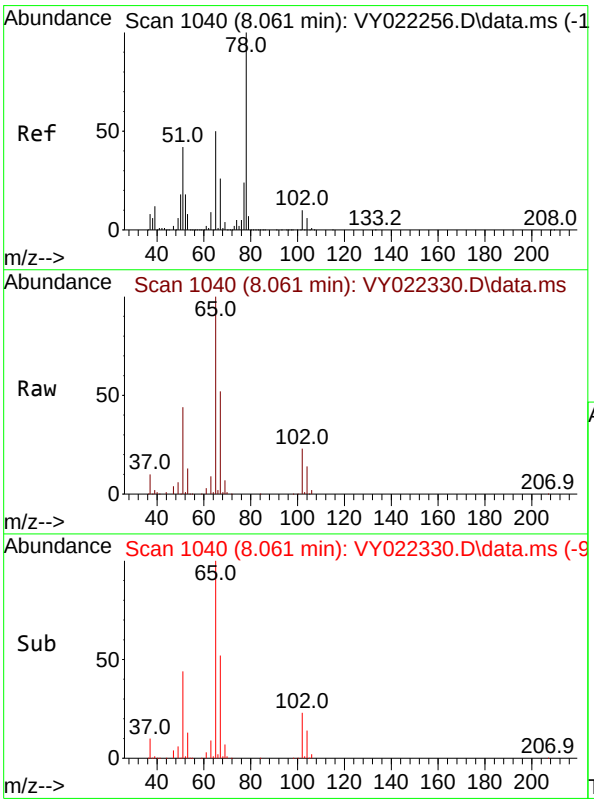
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion:168 Resp: 253729

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.2	66.4

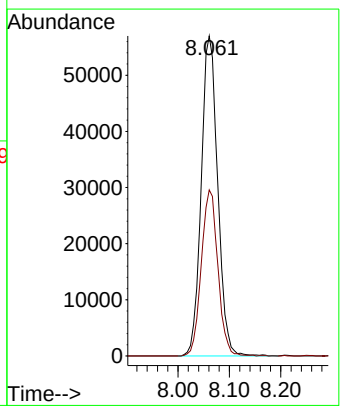


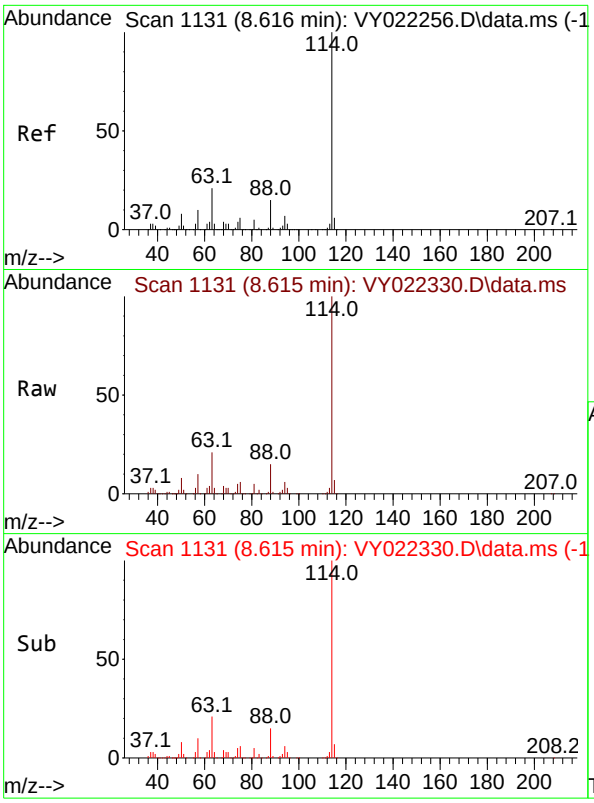


#33
1,2-Dichloroethane-d4
Concen: 45.666 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion: 65 Resp: 126632

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



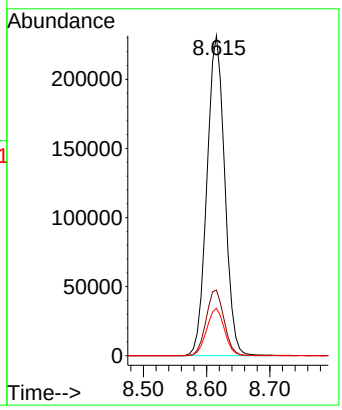


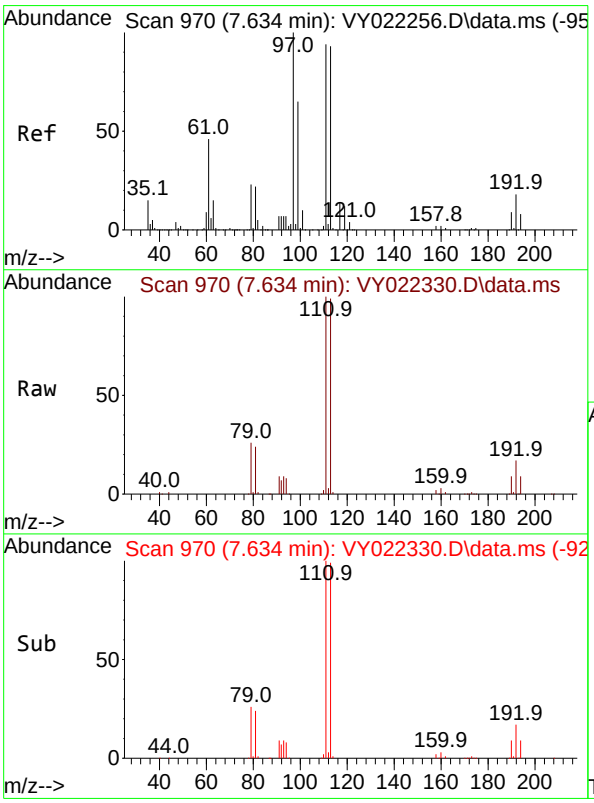
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion:114 Resp: 453295

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.9	0.0	29.4

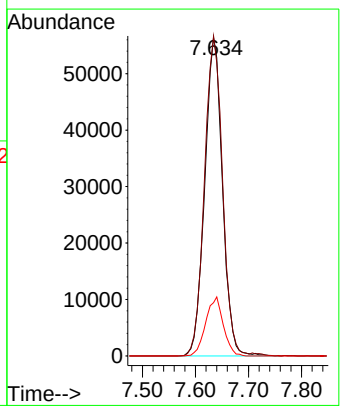


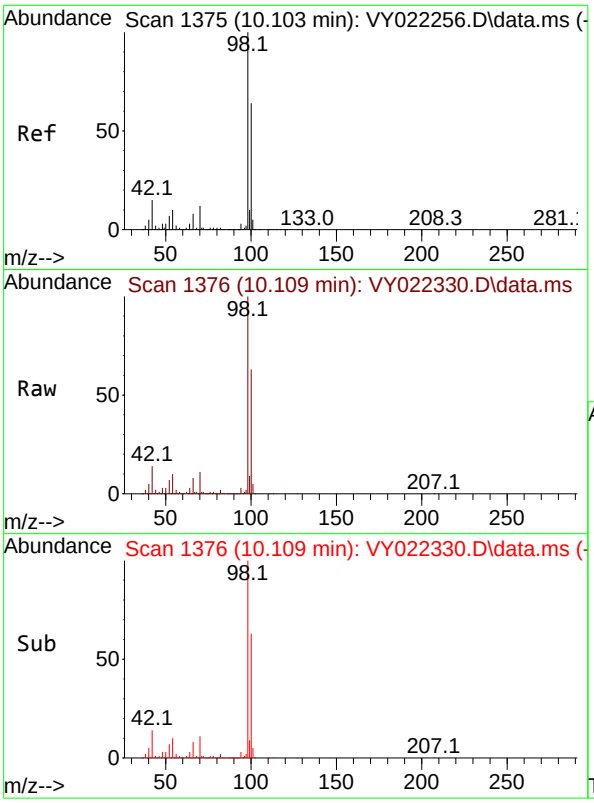


#35
Dibromofluoromethane
Concen: 48.349 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion:113 Resp: 130811

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.4	15.2	22.8



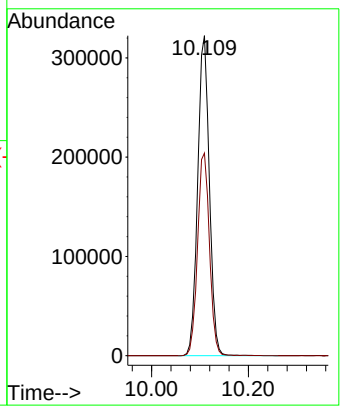


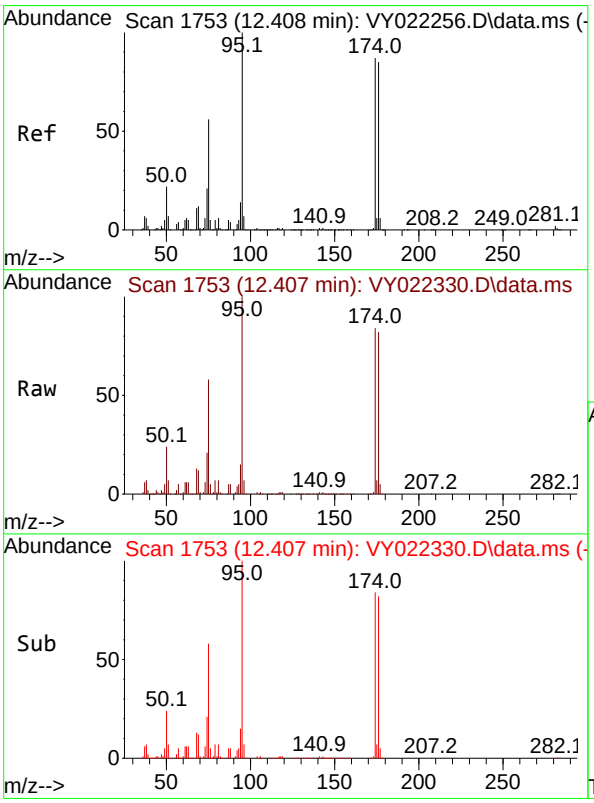
#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion: 98 Resp: 538600

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

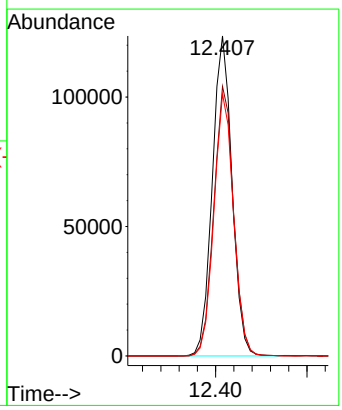


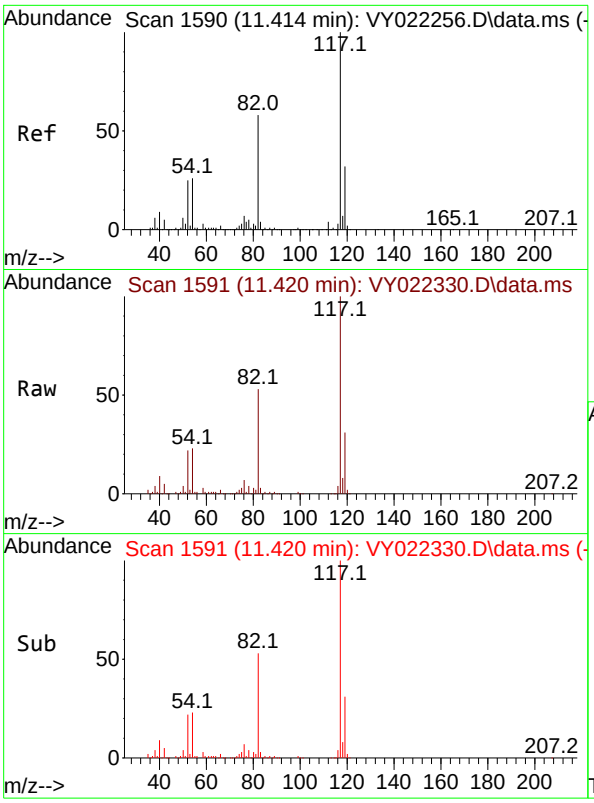


#62
4-Bromofluorobenzene
Concen: 52.549 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion: 95 Resp: 184563

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	166.8
176	81.9	0.0	160.8



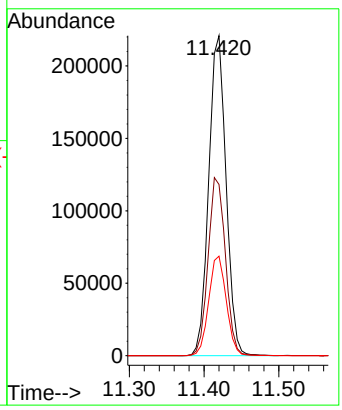


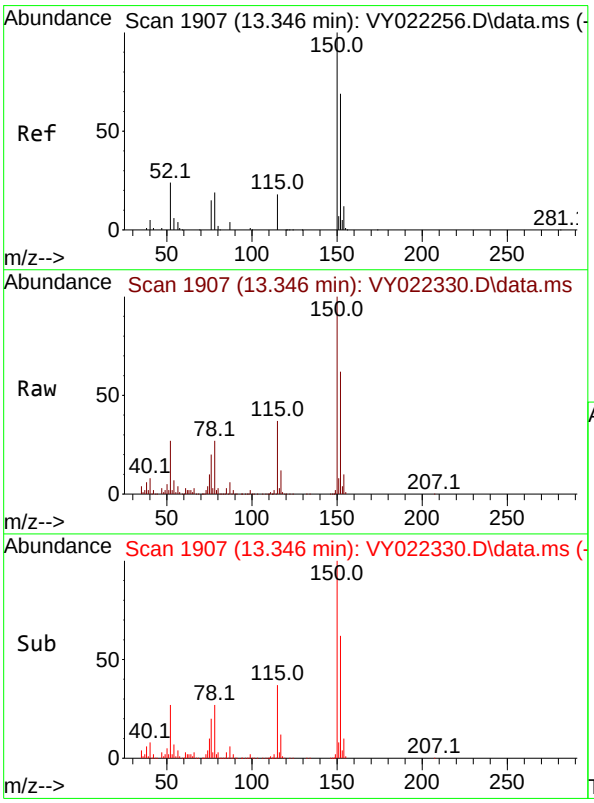
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion:117 Resp: 355808

Ion	Ratio	Lower	Upper
117	100		
82	53.5	46.6	70.0
119	31.1	25.8	38.6

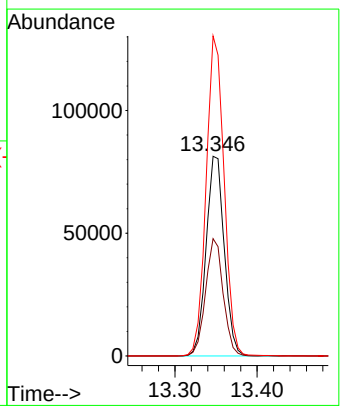




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion:152 Resp: 124571

Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.4	88.2
150	158.5	0.0	353.8



Sample Results: **VY022330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	50	59	60	rBV2	15193	34214	2.32%	0.473%
2	2.501	122	128	131	rBV6	13645	29809	2.02%	0.412%
3	7.634	961	970	976	rBV2	190007	456378	30.96%	6.304%
4	7.707	976	982	994	rVB	336910	762617	51.73%	10.535%
5	8.061	1031	1040	1053	rBV	169211	372273	25.25%	5.143%
6	8.615	1122	1131	1144	rBV	553402	1081691	73.37%	14.943%
7	10.109	1368	1376	1386	rBV	866837	1474301	100.00%	20.366%
8	11.420	1582	1591	1603	rBV	708203	1166913	79.15%	16.120%
9	12.407	1745	1753	1765	rBV	681791	1036262	70.29%	14.315%
10	13.346	1901	1907	1915	rBV	552904	824560	55.93%	11.390%

Sum of corrected areas: 7239018

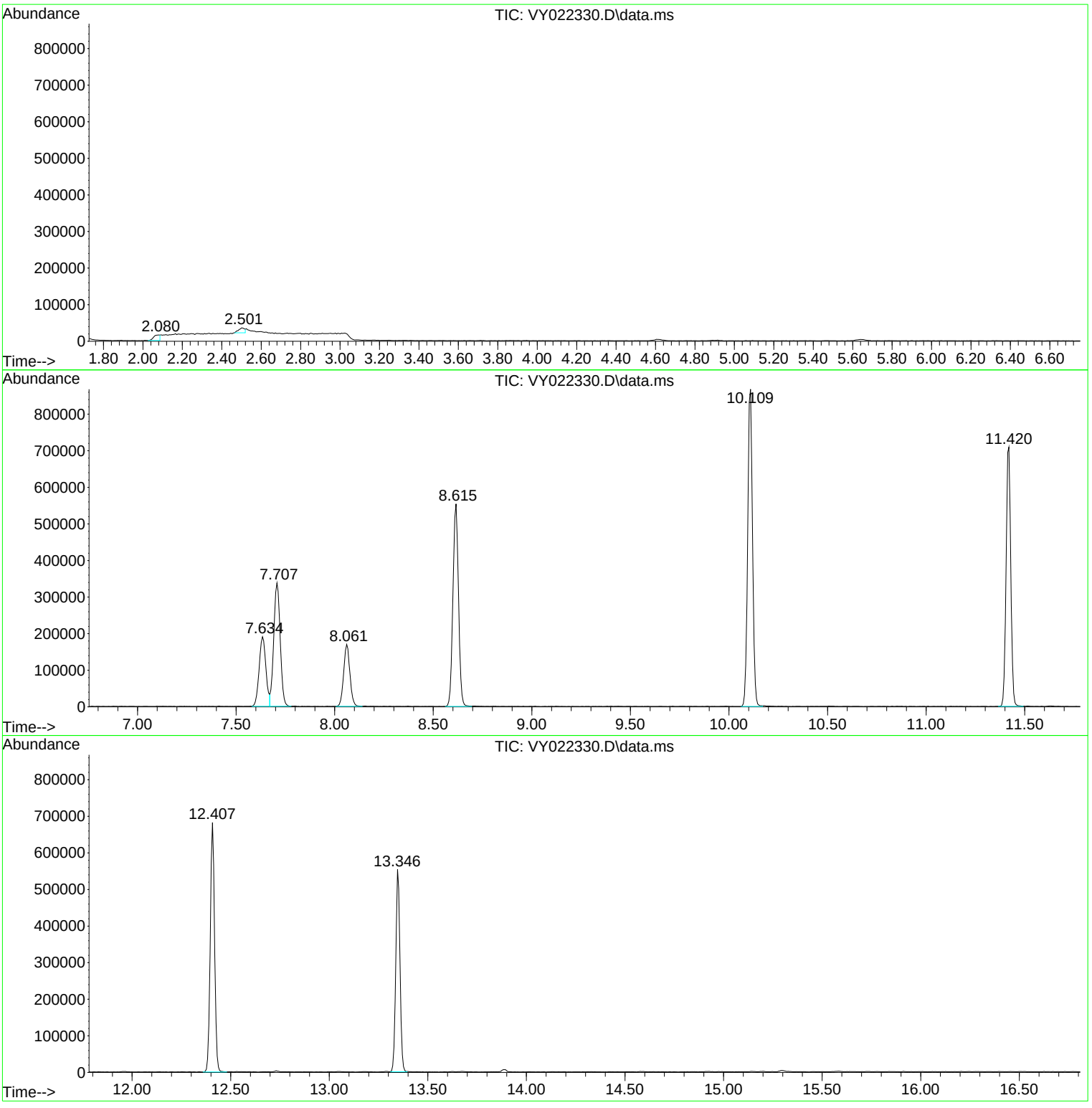
Sample Results: **VY022330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY022355.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0521SBL01	SDG No.:	Q2056
Lab Sample ID:	VY0521SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022355.D	1		05/21/25 10:05	VY052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg

Raw Data: **VY022355.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0521SBL01	SDG No.:	Q2056
Lab Sample ID:	VY0521SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022355.D	1		05/21/25 10:05	VY052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.6		63 - 155	85%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		38 - 136	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	7.713			
540-36-3	1,4-Difluorobenzene	457000	8.615			
3114-55-4	Chlorobenzene-d5	350000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.352			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022355.D
Acq On : 21 May 2025 10:05
Operator : SY/MD
Sample : VY0521SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Quant Time: May 22 00:04:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	261806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	457379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	349876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	119412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121999	42.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 85.280%			
35) Dibromofluoromethane	7.634	113	131294	48.095	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.180%			
50) Toluene-d8	10.109	98	544244	48.678	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.360%			
62) 4-Bromofluorobenzene	12.407	95	178232	50.294	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.580%			

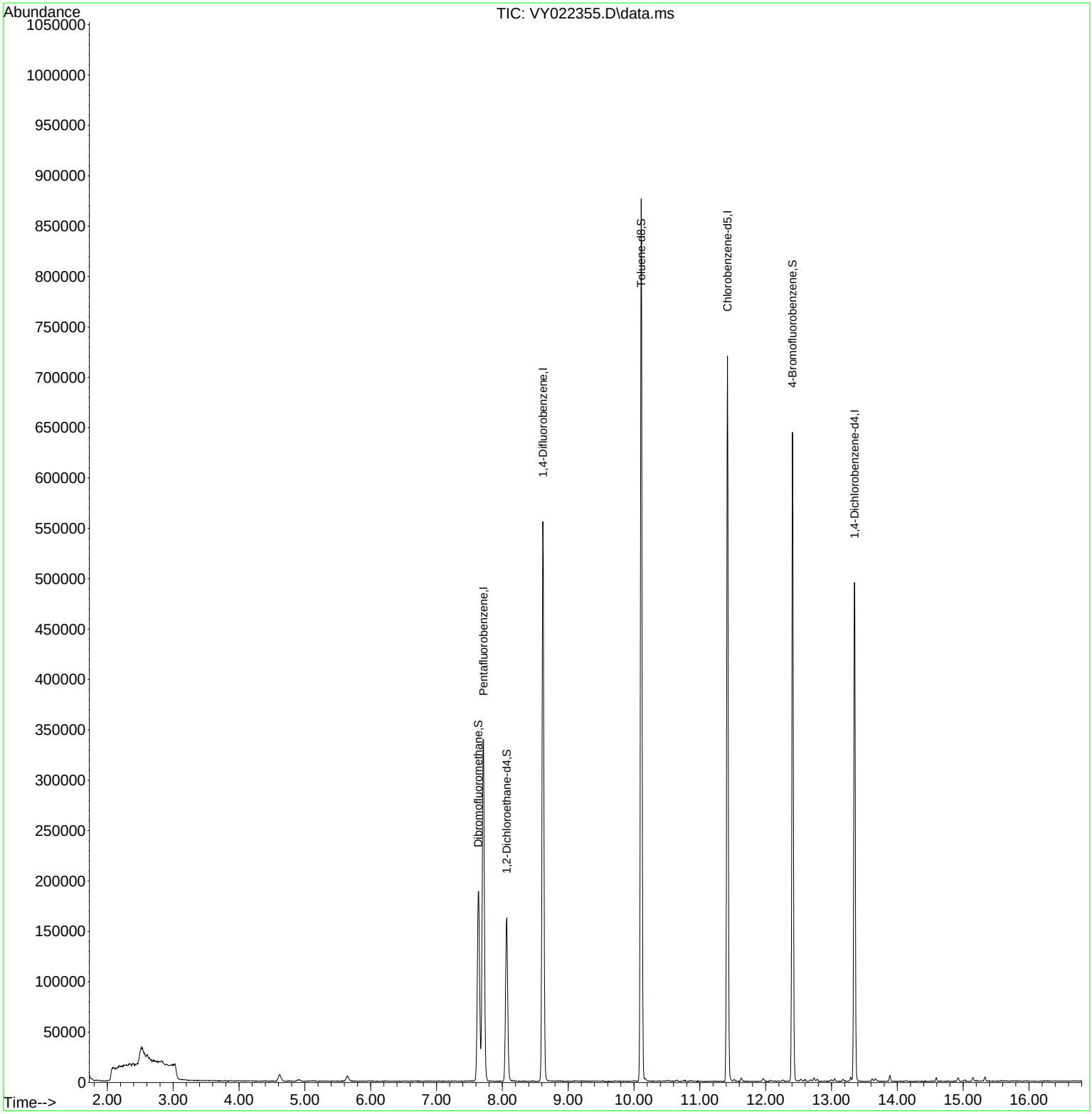
Target Compounds Qvalue

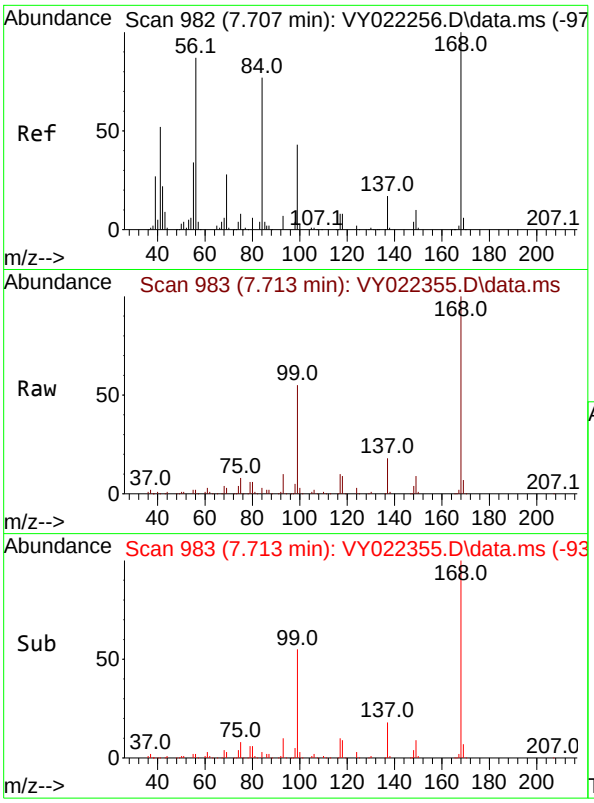
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022355.D
Acq On : 21 May 2025 10:05
Operator : SY/MD
Sample : VY0521SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Quant Time: May 22 00:04:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



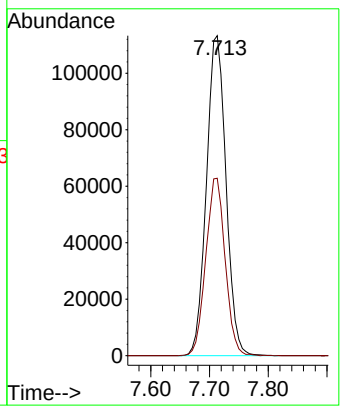


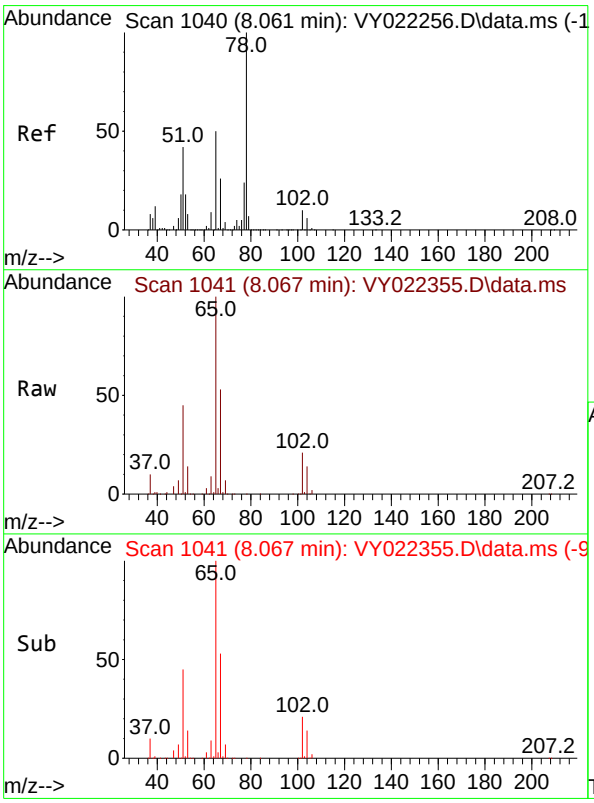
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Tgt Ion:168 Resp: 261806

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.2	66.4

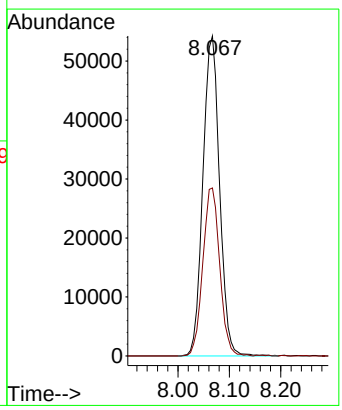


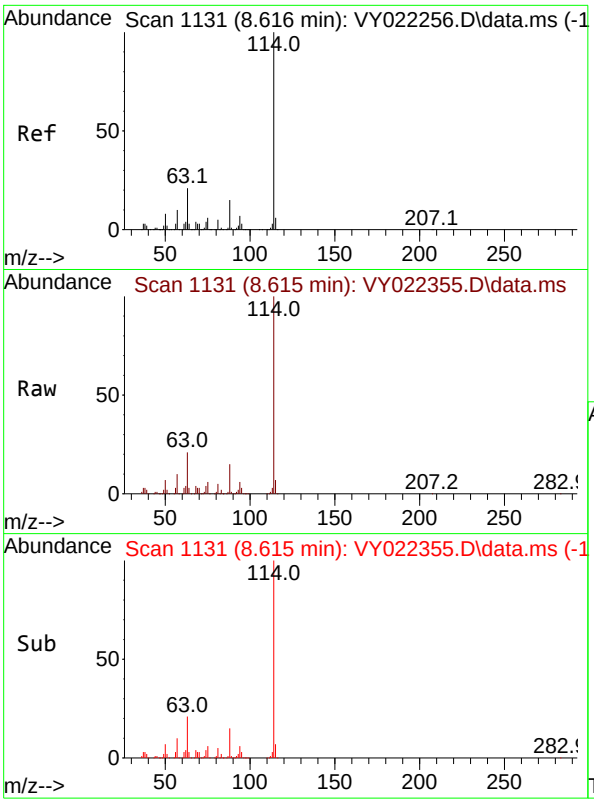


#33
1,2-Dichloroethane-d4
Concen: 42.638 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion: 65 Resp: 121999

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.6



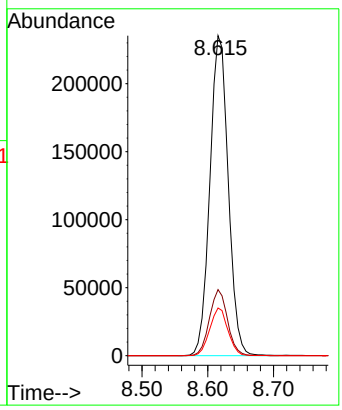


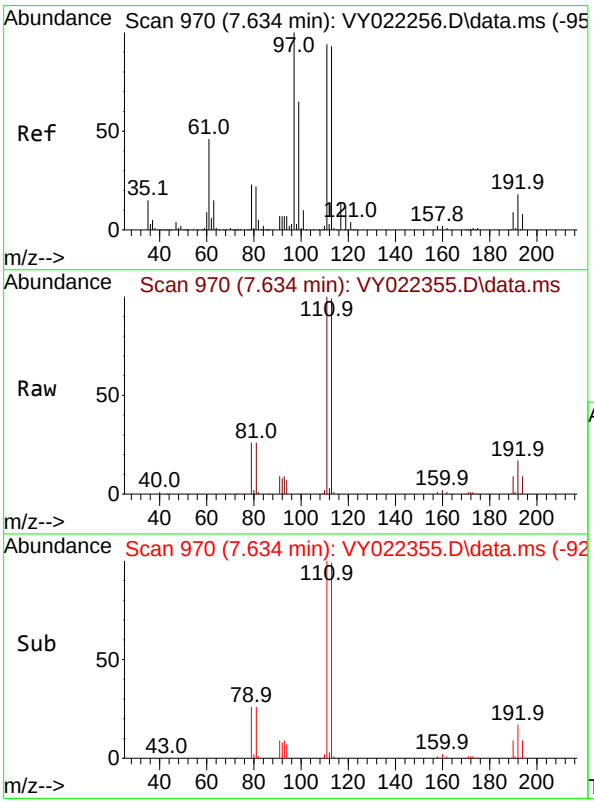
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Tgt Ion:114 Resp: 457379

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	14.9	0.0	29.4

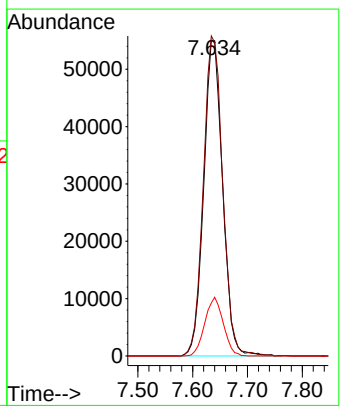


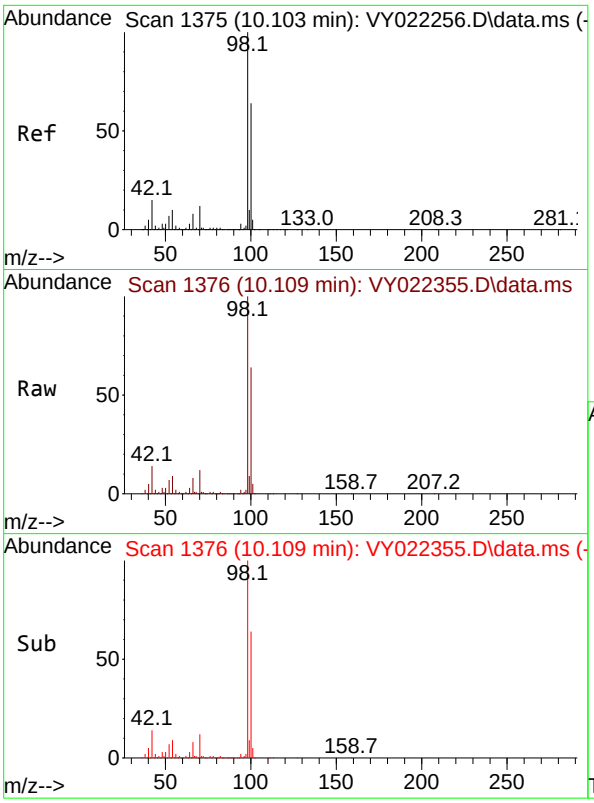


#35
Dibromofluoromethane
Concen: 48.095 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion:113 Resp: 131294

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	18.2	15.2	22.8



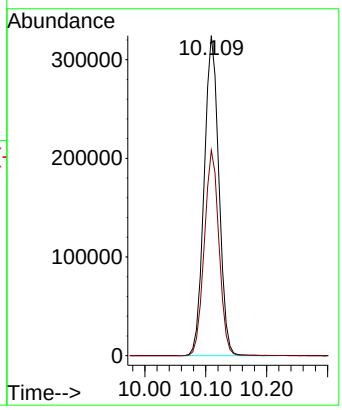


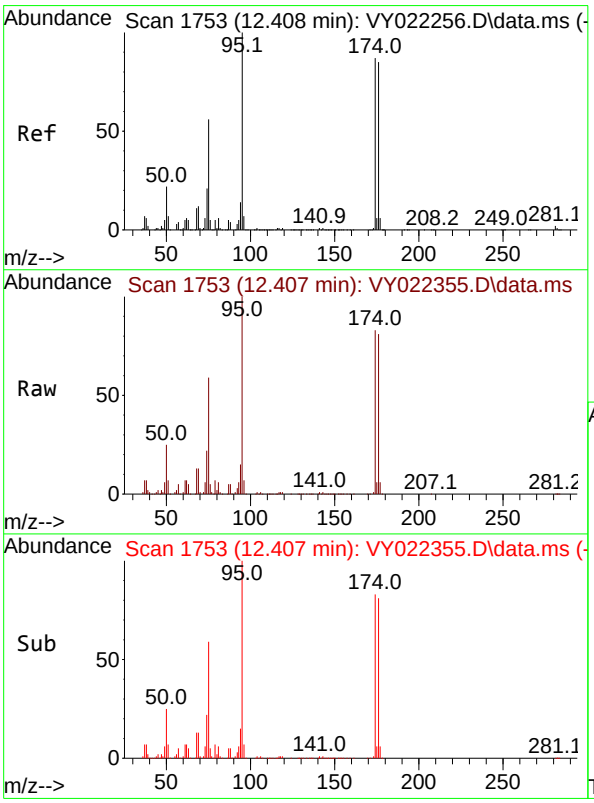
#50
Toluene-d8
Concen: 48.678 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Tgt Ion: 98 Resp: 544244

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8

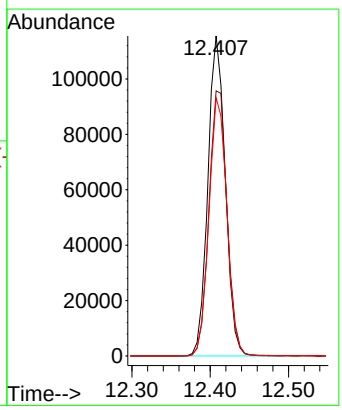


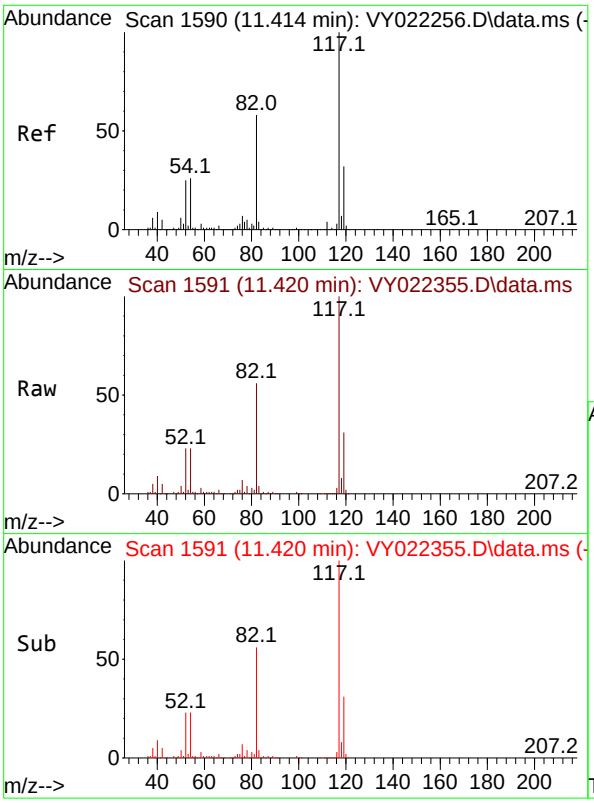


#62
4-Bromofluorobenzene
Concen: 50.294 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion: 95 Resp: 178232

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	166.8
176	83.0	0.0	160.8



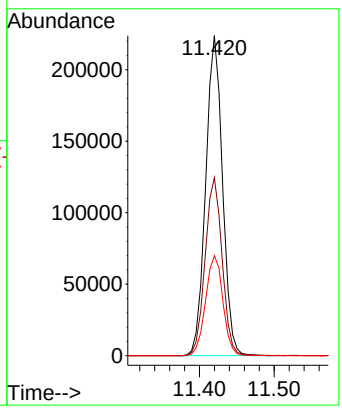


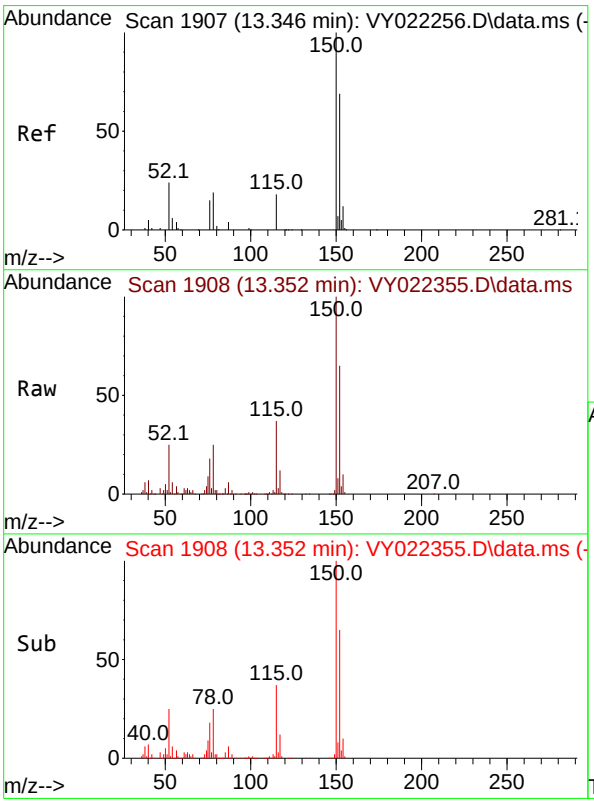
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Tgt Ion:117 Resp: 349876

Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.6	70.0
119	31.3	25.8	38.6

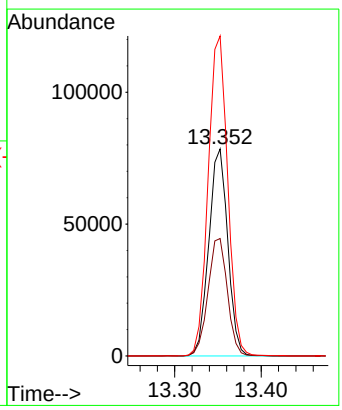




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022355.D
Acq: 21 May 2025 10:05

Tgt Ion:152 Resp: 119412

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.4	88.2
150	158.9	0.0	353.8



Sample Results: **VY022355.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022355.D
Acq On : 21 May 2025 10:05
Operator : SY/MD
Sample : VY0521SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022355.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	46	60	65	rBV5	13394	50513	3.43%	0.700%
2	2.513	124	130	132	rBV6	12792	25580	1.74%	0.355%
3	4.616	467	475	487	rBV4	6724	20837	1.41%	0.289%
4	7.640	958	971	976	rBV	188406	451846	30.66%	6.265%
5	7.707	976	982	994	rVB	339085	787937	53.46%	10.925%
6	8.067	1031	1041	1053	rBV	162148	365317	24.79%	5.065%
7	8.615	1120	1131	1144	rBV	555808	1082915	73.48%	15.015%
8	10.109	1369	1376	1384	rBV	875576	1473847	100.00%	20.435%
9	11.420	1583	1591	1604	rBV	720571	1154348	78.32%	16.005%
10	12.407	1745	1753	1763	rBV	644353	1005474	68.22%	13.941%
11	13.346	1901	1907	1919	rVB	495055	793633	53.85%	11.004%

Sum of corrected areas: 7212247

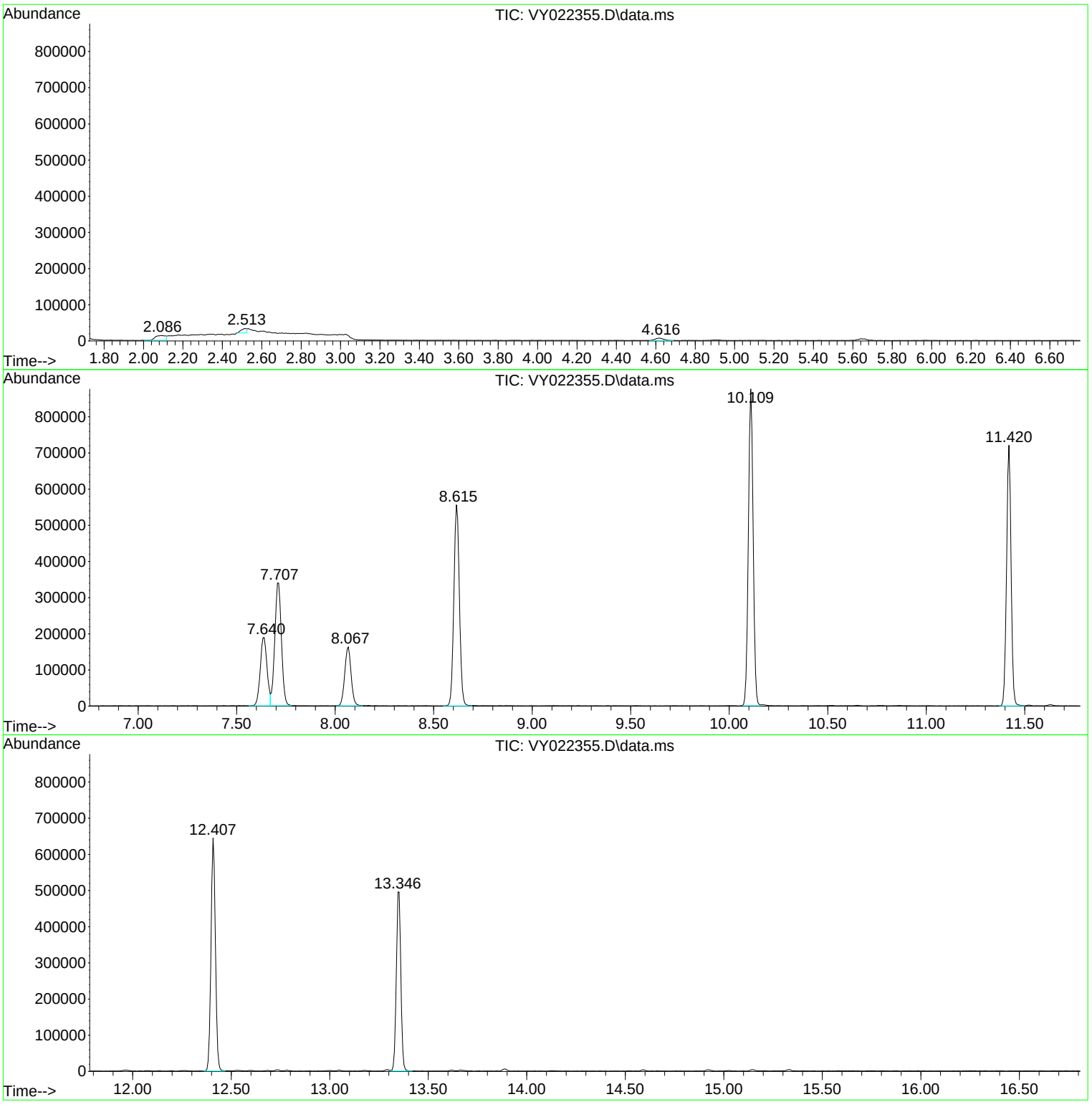
Sample Results: **VY022355.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022355.D
Acq On : 21 May 2025 10:05
Operator : SY/MD
Sample : VY0521SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VY022355.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022355.D
Acq On : 21 May 2025 10:05
Operator : SY/MD
Sample : VY0521SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022355.D
Acq On : 21 May 2025 10:05
Operator : SY/MD
Sample : VY0521SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VY022305.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0519SBS01	SDG No.:	Q2056
Lab Sample ID:	VY0519SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022305.D	1		05/19/25 09:36	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	26.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	26.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	32.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	29.0		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	97.3		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	88.8		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	18.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
78-93-3	2-Butanone	90.9		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.8		3.60	25.0	ug/Kg
108-88-3	Toluene	19.9		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	92.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.3		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg

Raw Data: **VY022305.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0519SBS01	SDG No.:	Q2056
Lab Sample ID:	VY0519SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022305.D	1		05/19/25 09:36	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.6		0.82	5.00	ug/Kg
100-42-5	Styrene	19.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.7		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.4		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	7.707			
540-36-3	1,4-Difluorobenzene	338000	8.616			
3114-55-4	Chlorobenzene-d5	283000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022305.D
Acq On : 19 May 2025 09:36
Operator : SY/MD
Sample : VY0519SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 20 01:08:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	200360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	283142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112366	51.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.634	113	103010	51.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.100%			
50) Toluene-d8	10.109	98	422064	51.074	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.408	95	126905	48.449	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44358	21.217	ug/l	96
3) Chloromethane	2.068	50	116897	26.580	ug/l	97
4) Vinyl Chloride	2.202	62	131565	26.776	ug/l	96
5) Bromomethane	2.592	94	128052	32.014	ug/l	95
6) Chloroethane	2.733	64	88707	29.020	ug/l	99
7) Trichlorofluoromethane	3.050	101	124809	25.089	ug/l	99
8) Diethyl Ether	3.458	74	24485	20.509	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	45930	21.267	ug/l	99
10) Methyl Iodide	4.007	142	47593	19.040	ug/l	98
11) Tert butyl alcohol	4.885	59	16264	97.263	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	44662	20.839	ug/l	95
13) Acrolein	3.659	56	19980	81.733	ug/l	99
14) Allyl chloride	4.379	41	72879	19.394	ug/l	97
15) Acrylonitrile	5.061	53	49498	100.621	ug/l	99
16) Acetone	3.879	43	36473	88.830	ug/l	96
17) Carbon Disulfide	4.104	76	145351	20.798	ug/l	100
18) Methyl Acetate	4.397	43	25765	19.902	ug/l	94
19) Methyl tert-butyl Ether	5.122	73	121169	20.504	ug/l	98
20) Methylene Chloride	4.616	84	49524	18.666	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	48269	20.405	ug/l	96
22) Diisopropyl ether	6.025	45	155980	19.655	ug/l	98
23) Vinyl Acetate	5.964	43	462181	96.402	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89842	20.264	ug/l	98
25) 2-Butanone	6.903	43	62462	90.946	ug/l	97
26) 2,2-Dichloropropane	6.884	77	80218	20.342	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56075	20.541	ug/l	98
28) Bromochloromethane	7.250	49	37383	19.768	ug/l	98
29) Tetrahydrofuran	7.268	42	43669	98.831	ug/l	94
30) Chloroform	7.427	83	89033	20.936	ug/l	98
31) Cyclohexane	7.707	56	90210	20.365	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	82841	21.233	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67180	20.214	ug/l	98
37) Ethyl Acetate	6.988	43	31330	19.593	ug/l	99
38) Carbon Tetrachloride	7.817	117	71104	20.669	ug/l	96
39) Methylcyclohexane	9.109	83	92475	20.711	ug/l	97
40) Benzene	8.085	78	198734	20.171	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022305.D
Acq On : 19 May 2025 09:36
Operator : SY/MD
Sample : VY0519SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 20 01:08:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	16423	15.483	ug/l	#	81
42) 1,2-Dichloroethane	8.158	62	54124	20.314	ug/l		100
43) Isopropyl Acetate	8.201	43	67210	19.272	ug/l		99
44) Trichloroethene	8.866	130	49995	20.408	ug/l		95
45) 1,2-Dichloropropane	9.146	63	47105	19.831	ug/l		100
46) Dibromomethane	9.231	93	26057	20.339	ug/l		98
47) Bromodichloromethane	9.427	83	67475	20.302	ug/l		98
48) Methyl methacrylate	9.225	41	31170	19.112	ug/l		96
49) 1,4-Dioxane	9.238	88	5453	376.764	ug/l		86
51) 4-Methyl-2-Pentanone	10.000	43	163969	95.823	ug/l		99
52) Toluene	10.170	92	124296	19.923	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	62956	19.409	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	74524	20.054	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	33564	20.459	ug/l		98
56) Ethyl methacrylate	10.439	69	49183	19.246	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58922	20.214	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	100509	87.625	ug/l		98
59) 2-Hexanone	10.762	43	106193	92.558	ug/l		97
60) Dibromochloromethane	10.914	129	43173	20.275	ug/l		99
61) 1,2-Dibromoethane	11.018	107	31396	20.533	ug/l		99
64) Tetrachloroethene	10.652	164	53401	20.405	ug/l		98
65) Chlorobenzene	11.444	112	129758	20.313	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	43074	19.614	ug/l		98
67) Ethyl Benzene	11.524	91	237230	19.830	ug/l		99
68) m/p-Xylenes	11.633	106	180140	39.960	ug/l		96
69) o-Xylene	11.957	106	83514	19.581	ug/l		99
70) Styrene	11.969	104	140922	19.587	ug/l		98
71) Bromoform	12.133	173	23328	19.680	ug/l	#	98
73) Isopropylbenzene	12.255	105	220761	19.935	ug/l		100
74) N-amyl acetate	12.072	43	58768	18.555	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34721	20.387	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	23415m	17.290	ug/l		
77) Bromobenzene	12.536	156	46286	19.569	ug/l		99
78) n-propylbenzene	12.597	91	268280	20.084	ug/l		100
79) 2-Chlorotoluene	12.682	91	143678	19.573	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	174835	19.557	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	13091	19.582	ug/l		97
82) 4-Chlorotoluene	12.780	91	144394	19.124	ug/l		99
83) tert-Butylbenzene	12.999	119	157481	19.820	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	174561	19.671	ug/l		100
85) sec-Butylbenzene	13.176	105	235349	19.954	ug/l		99
86) p-Isopropyltoluene	13.292	119	191316	19.286	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	92027	19.059	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	91240	19.645	ug/l		99
89) n-Butylbenzene	13.621	91	186063	19.826	ug/l		99
90) Hexachloroethane	13.883	117	39735	19.843	ug/l		98
91) 1,2-Dichlorobenzene	13.664	146	79761	19.666	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5501	20.030	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	44423	18.962	ug/l		99
94) Hexachlorobutadiene	15.023	225	25456	19.484	ug/l		98
95) Naphthalene	15.145	128	85379	19.205	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	38129	19.185	ug/l		99

Sample Results: **VY022305.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022305.D
Acq On : 19 May 2025 09:36
Operator : SY/MD
Sample : VY0519SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 20 01:08:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

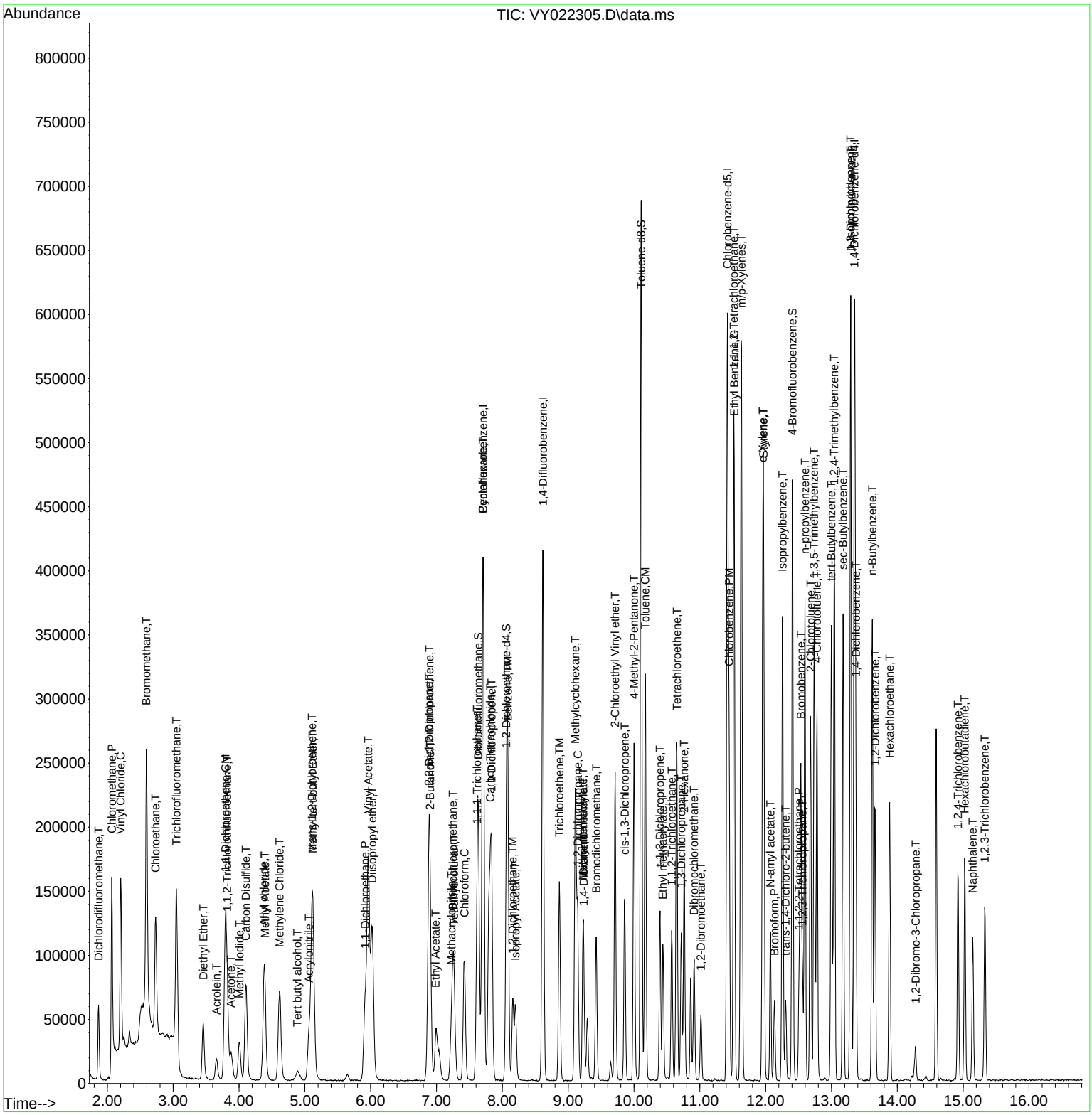
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022305.D
Acq On : 19 May 2025 09:36
Operator : SY/MD
Sample : VY0519SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 20 01:08:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



Raw Data: **VY022331.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0520SBS01	SDG No.:	Q2056
Lab Sample ID:	VY0520SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022331.D	1		05/20/25 10:21	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	29.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	30.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	37.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	35.1		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	110		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	22.1		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.0		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	20.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.7		0.75	5.00	ug/Kg
67-66-3	Chloroform	22.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.5		0.93	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.6		1.10	5.00	ug/Kg

Raw Data: **VY022331.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0520SBS01	SDG No.:	Q2056
Lab Sample ID:	VY0520SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022331.D	1		05/20/25 10:21	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	7.707			
540-36-3	1,4-Difluorobenzene	281000	8.616			
3114-55-4	Chlorobenzene-d5	237000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY022331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	162404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	280923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	111469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93712	52.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.634	113	87259	52.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.080%			
50) Toluene-d8	10.103	98	353867	51.531	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.408	95	103841	47.707	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35898	21.184	ug/l	98
3) Chloromethane	2.068	50	106010	29.739	ug/l	96
4) Vinyl Chloride	2.202	62	121528	30.514	ug/l	99
5) Bromomethane	2.592	94	123030	37.947	ug/l	93
6) Chloroethane	2.733	64	86905	35.075	ug/l	97
7) Trichlorofluoromethane	3.044	101	115381	28.614	ug/l	96
8) Diethyl Ether	3.452	74	21262	21.972	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39180	22.382	ug/l	98
10) Methyl Iodide	4.001	142	39806	19.647	ug/l	97
11) Tert butyl alcohol	4.885	59	15076	111.229	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	38409	22.110	ug/l	99
13) Acrolein	3.653	56	14505	73.203	ug/l	92
14) Allyl chloride	4.379	41	58664	19.259	ug/l	91
15) Acrylonitrile	5.055	53	44040	110.449	ug/l	99
16) Acetone	3.873	43	33441	100.481	ug/l	96
17) Carbon Disulfide	4.104	76	121089	21.376	ug/l	100
18) Methyl Acetate	4.391	43	22221	21.176	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	105578	22.042	ug/l	100
20) Methylene Chloride	4.616	84	43159	20.069	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	41335	21.557	ug/l	94
22) Diisopropyl ether	6.013	45	129506	20.133	ug/l	94
23) Vinyl Acetate	5.958	43	393589	101.282	ug/l	97
24) 1,1-Dichloroethane	5.909	63	76757	21.359	ug/l	99
25) 2-Butanone	6.897	43	57164	102.685	ug/l	99
26) 2,2-Dichloropropane	6.884	77	65941	20.630	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	47974	21.681	ug/l	98
28) Bromochloromethane	7.244	49	32721	21.346	ug/l	98
29) Tetrahydrofuran	7.262	42	38507	107.516	ug/l	95
30) Chloroform	7.421	83	76921	22.315	ug/l	97
31) Cyclohexane	7.701	56	74031	20.618	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67990	21.499	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54092	19.586	ug/l	96
37) Ethyl Acetate	6.982	43	27235	20.496	ug/l	97
38) Carbon Tetrachloride	7.817	117	59086	20.669	ug/l	100
39) Methylcyclohexane	9.110	83	75810	20.432	ug/l	95
40) Benzene	8.079	78	170661	20.845	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	15384	17.453	ug/l	#	84
42) 1,2-Dichloroethane	8.158	62	47209	21.323	ug/l		99
43) Isopropyl Acetate	8.195	43	58799	20.290	ug/l		97
44) Trichloroethene	8.866	130	41880	20.573	ug/l		96
45) 1,2-Dichloropropane	9.140	63	40216	20.374	ug/l		96
46) Dibromomethane	9.231	93	22879	21.490	ug/l		98
47) Bromodichloromethane	9.420	83	57637	20.869	ug/l		99
48) Methyl methacrylate	9.219	41	26138	19.286	ug/l		92
49) 1,4-Dioxane	9.238	88	5078	422.215	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.000	43	142570	100.263	ug/l		97
52) Toluene	10.170	92	103885	20.038	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	54150	20.090	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	62298	20.174	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	28800	21.126	ug/l		97
56) Ethyl methacrylate	10.439	69	43432	20.452	ug/l		96
57) 1,3-Dichloropropane	10.719	76	51011	21.060	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.713	63	83740	87.855	ug/l		99
59) 2-Hexanone	10.762	43	93178	97.733	ug/l		96
60) Dibromochloromethane	10.908	129	36043	20.369	ug/l		98
61) 1,2-Dibromoethane	11.012	107	27035	21.277	ug/l		99
64) Tetrachloroethene	10.646	164	47128	21.554	ug/l		98
65) Chlorobenzene	11.438	112	109284	20.477	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	36824	20.070	ug/l		99
67) Ethyl Benzene	11.518	91	198160	19.826	ug/l		98
68) m/p-Xylenes	11.627	106	149258	39.630	ug/l		98
69) o-Xylene	11.957	106	71971	20.198	ug/l		97
70) Styrene	11.969	104	118483	19.712	ug/l		99
71) Bromoform	12.133	173	20531	20.732	ug/l	#	98
73) Isopropylbenzene	12.255	105	185361	20.072	ug/l		99
74) N-amyl acetate	12.072	43	50457	19.104	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	29407	20.706	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	24209m	21.437	ug/l		
77) Bromobenzene	12.530	156	39771	20.164	ug/l		99
78) n-propylbenzene	12.597	91	226302	20.317	ug/l		100
79) 2-Chlorotoluene	12.682	91	120639	19.708	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	145541	19.524	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	10455	18.754	ug/l		98
82) 4-Chlorotoluene	12.780	91	123547	19.623	ug/l		98
83) tert-Butylbenzene	12.999	119	131465	19.842	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	142982	19.322	ug/l		97
85) sec-Butylbenzene	13.176	105	196521	19.981	ug/l		100
86) p-Isopropyltoluene	13.292	119	160020	19.345	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	77805	19.324	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	77620	20.041	ug/l		97
89) n-Butylbenzene	13.615	91	154259	19.712	ug/l		99
90) Hexachloroethane	13.877	117	32205	19.287	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	67307	19.901	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5031	21.968	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	37416	19.152	ug/l		98
94) Hexachlorobutadiene	15.023	225	20316	18.648	ug/l		99
95) Naphthalene	15.145	128	72453	19.543	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	31537	19.029	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

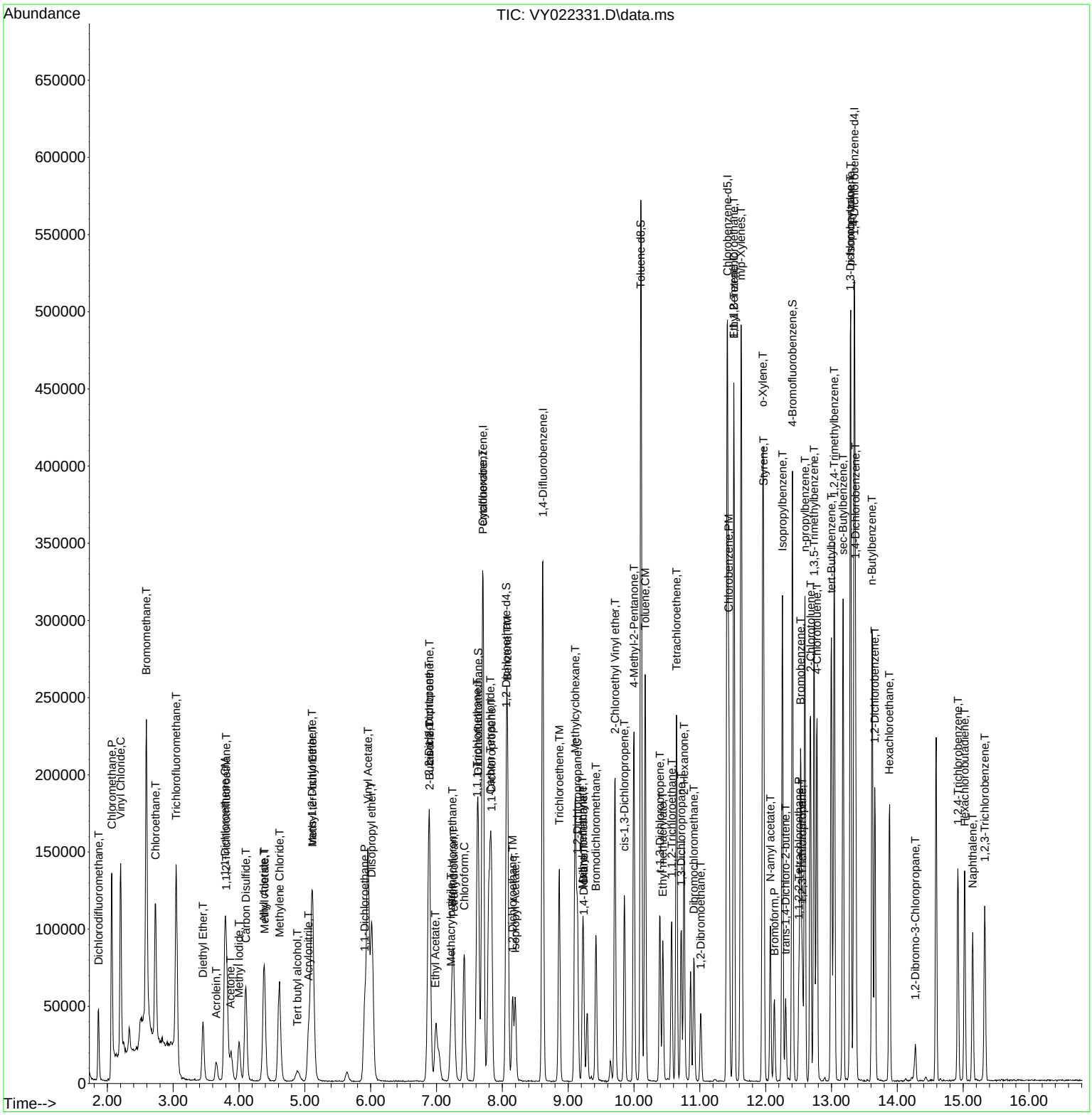
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



Raw Data: **VY022356.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0521SBS01	SDG No.:	Q2056
Lab Sample ID:	VY0521SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022356.D	1		05/21/25 10:35	VY052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	26.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	27.4		0.79	5.00	ug/Kg
74-83-9	Bromomethane	37.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	32.9		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	100		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	94.0		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.2		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
78-93-3	2-Butanone	96.3		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.75	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.4		3.60	25.0	ug/Kg
108-88-3	Toluene	19.9		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg

Raw Data: **VY022356.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0521SBS01	SDG No.:	Q2056
Lab Sample ID:	VY0521SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022356.D	1		05/21/25 10:35	VY052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.82	5.00	ug/Kg
100-42-5	Styrene	19.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.9		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		38 - 136	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	7.713			
540-36-3	1,4-Difluorobenzene	280000	8.622			
3114-55-4	Chlorobenzene-d5	238000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.352			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022356.D
Acq On : 21 May 2025 10:35
Operator : SY/MD
Sample : VY0521SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 00:05:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	164670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	280143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	238357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	110395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	86818	48.241	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.480%			
35) Dibromofluoromethane	7.640	113	80971	48.426	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.860%			
50) Toluene-d8	10.115	98	328068	47.907	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.408	95	98452	45.357	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	34138	19.868	ug/l	98
3) Chloromethane	2.068	50	97076	26.858	ug/l	100
4) Vinyl Chloride	2.208	62	110643	27.399	ug/l	100
5) Bromomethane	2.598	94	122163	37.162	ug/l	99
6) Chloroethane	2.732	64	82714	32.924	ug/l	99
7) Trichlorofluoromethane	3.049	101	101107	24.729	ug/l	98
8) Diethyl Ether	3.464	74	20408	20.799	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	37897	21.351	ug/l	97
10) Methyl Iodide	4.007	142	39030	18.999	ug/l	99
11) Tert butyl alcohol	4.897	59	14356	104.460	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	37155	21.094	ug/l	89
13) Acrolein	3.659	56	12494	62.187	ug/l	95
14) Allyl chloride	4.391	41	57737	18.694	ug/l	96
15) Acrylonitrile	5.067	53	43574	107.777	ug/l	97
16) Acetone	3.885	43	31735	94.042	ug/l	97
17) Carbon Disulfide	4.110	76	116347	20.256	ug/l	99
18) Methyl Acetate	4.391	43	20399	19.173	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	103046	21.217	ug/l	92
20) Methylene Chloride	4.622	84	42530	19.505	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	39956	20.551	ug/l	93
22) Diisopropyl ether	6.025	45	125549	19.249	ug/l	96
23) Vinyl Acetate	5.970	43	382139	96.982	ug/l	97
24) 1,1-Dichloroethane	5.921	63	74003	20.309	ug/l	97
25) 2-Butanone	6.909	43	54351	96.288	ug/l	98
26) 2,2-Dichloropropane	6.890	77	63731	19.664	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	47008	20.952	ug/l	97
28) Bromochloromethane	7.256	49	31153	20.044	ug/l	98
29) Tetrahydrofuran	7.274	42	36661	100.953	ug/l	94
30) Chloroform	7.427	83	72715	20.805	ug/l	97
31) Cyclohexane	7.707	56	70259	19.298	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	64315	20.057	ug/l	99
36) 1,1-Dichloropropene	7.841	75	54176	19.671	ug/l	98
37) Ethyl Acetate	6.994	43	25337	19.120	ug/l	97
38) Carbon Tetrachloride	7.823	117	56336	19.762	ug/l	100
39) Methylcyclohexane	9.115	83	71670	19.370	ug/l	98
40) Benzene	8.085	78	164958	20.204	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022356.D
Acq On : 21 May 2025 10:35
Operator : SY/MD
Sample : VY0521SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 00:05:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	17779m	20.226	ug/l		
42) 1,2-Dichloroethane	8.164	62	45120	20.436	ug/l		100
43) Isopropyl Acetate	8.207	43	56123	19.420	ug/l		98
44) Trichloroethene	8.872	130	40988	20.191	ug/l		98
45) 1,2-Dichloropropane	9.146	63	39052	19.840	ug/l		97
46) Dibromomethane	9.237	93	21913	20.640	ug/l		98
47) Bromodichloromethane	9.426	83	55778	20.252	ug/l		97
48) Methyl methacrylate	9.225	41	25313	18.730	ug/l		95
49) 1,4-Dioxane	9.250	88	4878	406.715	ug/l		92
51) 4-Methyl-2-Pentanone	10.006	43	136690	96.396	ug/l		98
52) Toluene	10.176	92	103033	19.929	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	52044	19.362	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	61214	19.878	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	28278	20.800	ug/l		98
56) Ethyl methacrylate	10.444	69	41124	19.419	ug/l		98
57) 1,3-Dichloropropane	10.725	76	49500	20.493	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	80930	85.143	ug/l		99
59) 2-Hexanone	10.768	43	91150	95.872	ug/l		97
60) Dibromochloromethane	10.914	129	36605	20.744	ug/l		98
61) 1,2-Dibromoethane	11.018	107	26112	20.608	ug/l		99
64) Tetrachloroethene	10.652	164	44880	20.371	ug/l		98
65) Chlorobenzene	11.450	112	108362	20.151	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.524	131	36004	19.475	ug/l		98
67) Ethyl Benzene	11.524	91	194067	19.270	ug/l		98
68) m/p-Xylenes	11.633	106	146681	38.652	ug/l		98
69) o-Xylene	11.956	106	69558	19.373	ug/l		97
70) Styrene	11.975	104	115812	19.122	ug/l		98
71) Bromoform	12.139	173	19242	19.283	ug/l	#	97
73) Isopropylbenzene	12.261	105	181695	19.867	ug/l		99
74) N-amyl acetate	12.078	43	50097	19.152	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	29384	20.891	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	22634m	20.238	ug/l		
77) Bromobenzene	12.536	156	39412	20.177	ug/l		99
78) n-propylbenzene	12.603	91	219624	19.909	ug/l		100
79) 2-Chlorotoluene	12.682	91	118240	19.504	ug/l		97
80) 1,3,5-Trimethylbenzene	12.743	105	143263	19.405	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	10533	19.078	ug/l		98
82) 4-Chlorotoluene	12.779	91	118914	19.071	ug/l		97
83) tert-Butylbenzene	13.005	119	130367	19.867	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	142961	19.507	ug/l		97
85) sec-Butylbenzene	13.182	105	192742	19.787	ug/l		100
86) p-Isopropyltoluene	13.298	119	157967	19.282	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77746	19.497	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76937	20.058	ug/l		100
89) n-Butylbenzene	13.621	91	152333	19.655	ug/l		99
90) Hexachloroethane	13.883	117	31863	19.268	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	67362	20.111	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4571	20.154	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	38942	20.127	ug/l		98
94) Hexachlorobutadiene	15.029	225	20290	18.805	ug/l		95
95) Naphthalene	15.151	128	74806	20.374	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	32242	19.644	ug/l		97

Sample Results: **VY022356.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022356.D
Acq On : 21 May 2025 10:35
Operator : SY/MD
Sample : VY0521SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025

Quant Time: May 22 00:05:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

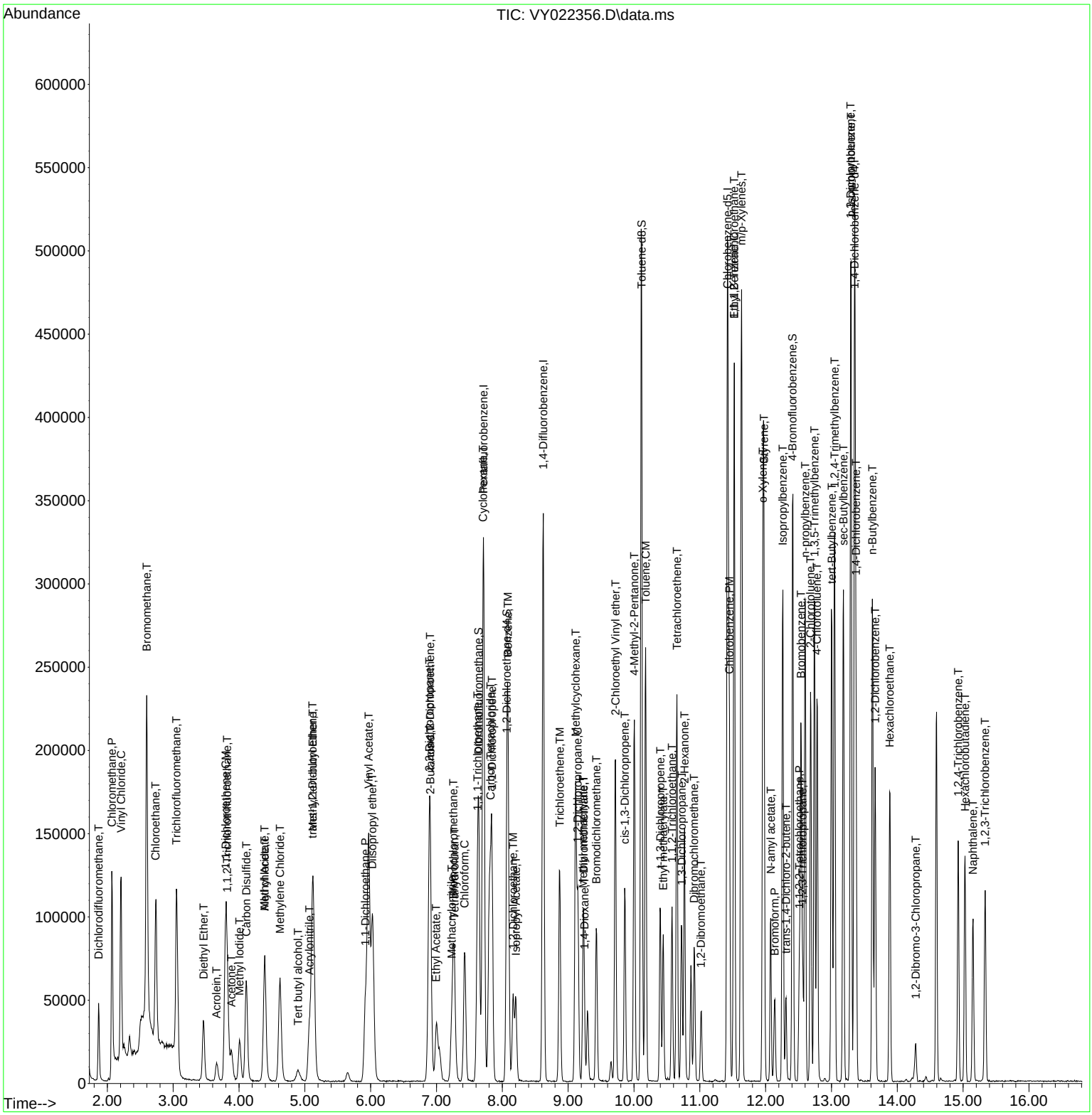
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
Data File : VY022356.D
Acq On : 21 May 2025 10:35
Operator : SY/MD
Sample : VY0521SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 00:05:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0521SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/22/2025
Supervised By :Semsettin Yesilyurt 05/22/2025



Raw Data: **VY022306.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0519SBSD01	SDG No.:	Q2056
Lab Sample ID:	VY0519SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022306.D	1		05/19/25 09:59	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	26.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	27.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	32.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	29.6		1.30	5.00	ug/Kg
75-65-0	Tert butyl alcohol	95.3		13.7	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	21.7		1.00	5.00	ug/Kg
67-64-1	Acetone	83.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.8		0.73	5.00	ug/Kg
75-09-2	Methylene Chloride	19.6		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
78-93-3	2-Butanone	92.1		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.1		0.75	5.00	ug/Kg
67-66-3	Chloroform	21.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.3		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	92.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg

Raw Data: **VY022306.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Dover	Date Received:	
Client Sample ID:	VY0519SBSD01	SDG No.:	Q2056
Lab Sample ID:	VY0519SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022306.D	1		05/19/25 09:59	VY051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	20.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.8		0.86	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	7.707			
540-36-3	1,4-Difluorobenzene	332000	8.616			
3114-55-4	Chlorobenzene-d5	277000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VY022306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022306.D
Acq On : 19 May 2025 09:59
Operator : SY/MD
Sample : VY0519SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 20 01:09:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	194565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	331521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	276940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	128146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107354	50.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.980%			
35) Dibromofluoromethane	7.634	113	100429	50.755	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.103	98	414823	51.188	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.408	95	121910	47.460	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	43055	21.207	ug/l	96
3) Chloromethane	2.068	50	113821	26.652	ug/l	99
4) Vinyl Chloride	2.202	62	128803	26.995	ug/l	99
5) Bromomethane	2.592	94	124608	32.081	ug/l	98
6) Chloroethane	2.733	64	87807	29.581	ug/l	98
7) Trichlorofluoromethane	3.050	101	122549	25.368	ug/l	95
8) Diethyl Ether	3.452	74	24175	20.853	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	45542	21.716	ug/l	99
10) Methyl Iodide	4.001	142	50436	20.779	ug/l	100
11) Tert butyl alcohol	4.879	59	15476	95.307	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45072	21.657	ug/l	95
13) Acrolein	3.653	56	19543	82.326	ug/l	99
14) Allyl chloride	4.385	41	70168	19.228	ug/l	95
15) Acrylonitrile	5.061	53	48359	101.234	ug/l	99
16) Acetone	3.879	43	33255	83.405	ug/l	99
17) Carbon Disulfide	4.104	76	143565	21.154	ug/l	99
18) Methyl Acetate	4.385	43	24721	19.665	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	119462	20.818	ug/l	96
20) Methylene Chloride	4.610	84	50462	19.587	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	48842	21.262	ug/l	99
22) Diisopropyl ether	6.019	45	152437	19.781	ug/l	97
23) Vinyl Acetate	5.958	43	449453	96.539	ug/l	100
24) 1,1-Dichloroethane	5.909	63	89079	20.690	ug/l	98
25) 2-Butanone	6.896	43	61413	92.082	ug/l	99
26) 2,2-Dichloropropane	6.884	77	78841	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	55830	21.061	ug/l	99
28) Bromochloromethane	7.244	49	38029	20.708	ug/l	99
29) Tetrahydrofuran	7.262	42	42869	99.910	ug/l	98
30) Chloroform	7.421	83	88657	21.469	ug/l	99
31) Cyclohexane	7.701	56	87956	20.447	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79733	21.045	ug/l	100
36) 1,1-Dichloropropene	7.835	75	67371	20.671	ug/l	99
37) Ethyl Acetate	6.988	43	29722	18.954	ug/l	98
38) Carbon Tetrachloride	7.817	117	69525	20.608	ug/l	97
39) Methylcyclohexane	9.110	83	87625	20.012	ug/l	97
40) Benzene	8.079	78	200424	20.744	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022306.D
Acq On : 19 May 2025 09:59
Operator : SY/MD
Sample : VY0519SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 20 01:09:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	16084	15.462	ug/l	#	80
42) 1,2-Dichloroethane	8.158	62	52712	20.174	ug/l		100
43) Isopropyl Acetate	8.195	43	64516	18.865	ug/l		98
44) Trichloroethene	8.866	130	49650	20.667	ug/l		96
45) 1,2-Dichloropropane	9.140	63	47015	20.183	ug/l		100
46) Dibromomethane	9.231	93	26192	20.847	ug/l		97
47) Bromodichloromethane	9.420	83	66833	20.505	ug/l		98
48) Methyl methacrylate	9.219	41	29452	18.415	ug/l		93
49) 1,4-Dioxane	9.231	88	5547	390.819	ug/l		97
51) 4-Methyl-2-Pentanone	10.000	43	158163	94.253	ug/l		98
52) Toluene	10.170	92	123710	20.220	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	62382	19.612	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	74146	20.346	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	33457	20.796	ug/l		97
56) Ethyl methacrylate	10.439	69	48821	19.481	ug/l		98
57) 1,3-Dichloropropane	10.719	76	57054	19.960	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	99928	88.837	ug/l		98
59) 2-Hexanone	10.762	43	103950	92.391	ug/l		96
60) Dibromochloromethane	10.914	129	41635	19.938	ug/l		99
61) 1,2-Dibromoethane	11.012	107	29997	20.005	ug/l		98
64) Tetrachloroethene	10.646	164	52068	20.341	ug/l		94
65) Chlorobenzene	11.444	112	128350	20.542	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	43068	20.051	ug/l		99
67) Ethyl Benzene	11.518	91	232654	19.883	ug/l		98
68) m/p-Xylenes	11.627	106	176339	39.993	ug/l		100
69) o-Xylene	11.957	106	83255	19.957	ug/l		99
70) Styrene	11.969	104	140022	19.898	ug/l		99
71) Bromoform	12.133	173	22935	19.782	ug/l	#	100
73) Isopropylbenzene	12.255	105	219562	20.682	ug/l		99
74) N-amyl acetate	12.072	43	57158	18.825	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34577	21.178	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	26521m	20.428	ug/l		
77) Bromobenzene	12.536	156	46327	20.432	ug/l		100
78) n-propylbenzene	12.597	91	265840	20.760	ug/l		99
79) 2-Chlorotoluene	12.682	91	142473	20.246	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	172377	20.114	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12146	18.952	ug/l		94
82) 4-Chlorotoluene	12.780	91	142463	19.682	ug/l		99
83) tert-Butylbenzene	12.999	119	155407	20.403	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	171885	20.205	ug/l		98
85) sec-Butylbenzene	13.176	105	235679	20.844	ug/l		100
86) p-Isopropyltoluene	13.292	119	191308	20.117	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	91946	19.864	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	90855	20.406	ug/l		99
89) n-Butylbenzene	13.615	91	185056	20.570	ug/l		98
90) Hexachloroethane	13.877	117	38879	20.253	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	77516	19.937	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5591	21.236	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	44362	19.753	ug/l		99
94) Hexachlorobutadiene	15.023	225	25145	20.076	ug/l		96
95) Naphthalene	15.145	128	82889	19.449	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	36544	19.181	ug/l		98

Sample Results: **VY022306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022306.D
Acq On : 19 May 2025 09:59
Operator : SY/MD
Sample : VY0519SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBSD01

Quant Time: May 20 01:09:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

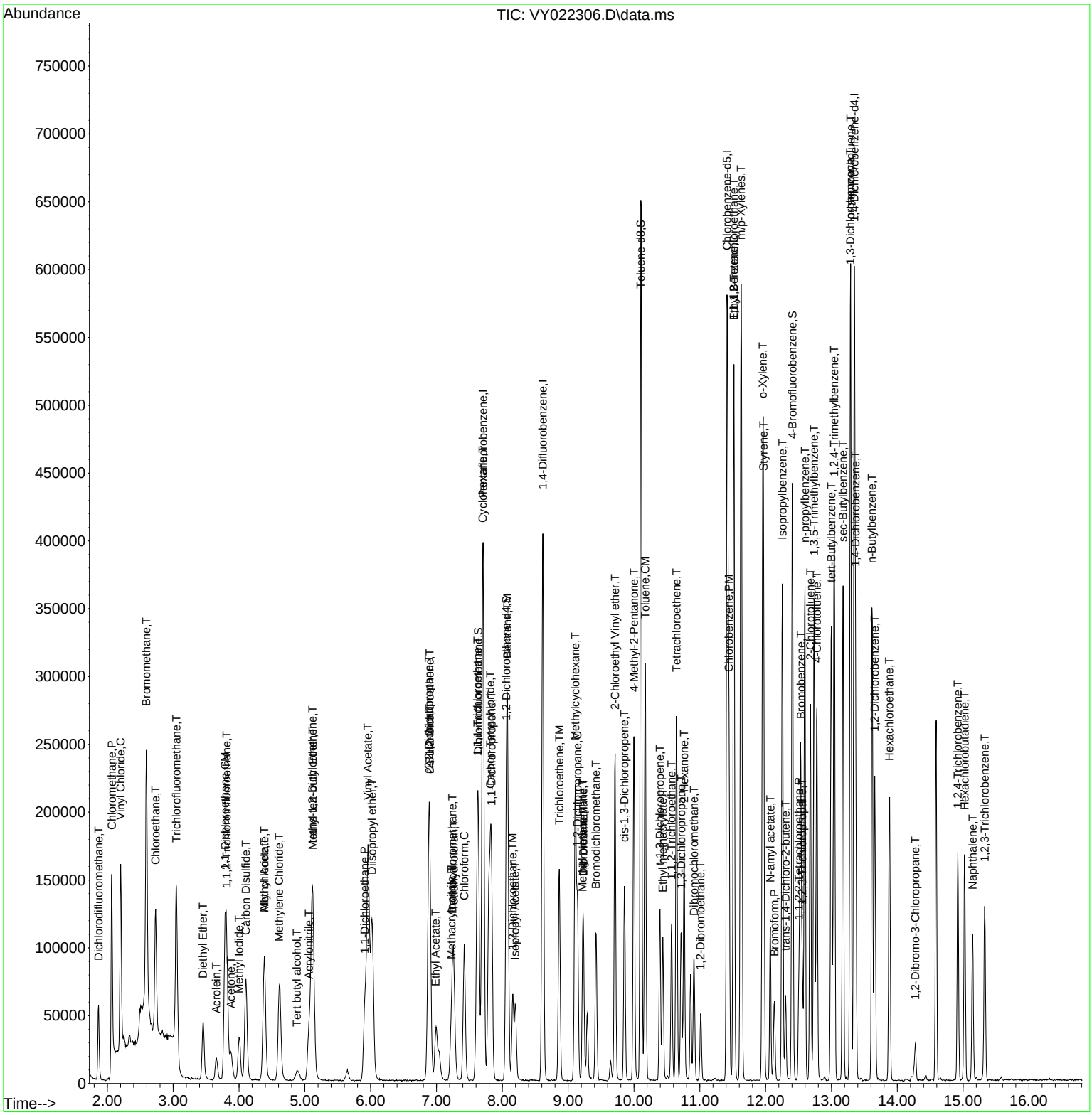
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
Data File : VY022306.D
Acq On : 19 May 2025 09:59
Operator : SY/MD
Sample : VY0519SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 20 01:09:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy051925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022303.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:42:35 PM	Sam	5/21/2025 3:54:21 PM	Peak Integrated by Software
VY0519SBS01	VY022305.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:42:36 PM	Sam	5/21/2025 3:54:22 PM	Peak Integrated by Software
VY0519SBSD01	VY022306.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:42:38 PM	Sam	5/21/2025 3:54:24 PM	Peak Integrated by Software
VSTDCCC050	VY022327.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:42:40 PM	Sam	5/21/2025 3:54:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy052025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022329.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:03 PM	Sam	5/21/2025 3:55:05 PM	Peak Integrated by Software
VSTDCCC050	VY022329.D	Methacrylonitrile	MMDadoda	5/21/2025 3:43:03 PM	Sam	5/21/2025 3:55:05 PM	Peak Integrated by Software
VY0520SBS01	VY022331.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:06 PM	Sam	5/21/2025 3:55:08 PM	Peak Integrated by Software
VSTDCCC050	VY022352.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:22 PM	Sam	5/21/2025 3:55:19 PM	Peak Integrated by Software
VSTDCCC050	VY022352.D	Methacrylonitrile	MMDadoda	5/21/2025 3:43:22 PM	Sam	5/21/2025 3:55:19 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY052125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022354.D	1,2,3-Trichloropropane	MMDadoda	5/22/2025 8:21:47 AM	Sam	5/22/2025 8:26:29 AM	Peak Integrated by Software
VSTDCCC050	VY022354.D	Methacrylonitrile	MMDadoda	5/22/2025 8:21:47 AM	Sam	5/22/2025 8:26:29 AM	Peak Integrated by Software
VY0521SBS01	VY022356.D	1,2,3-Trichloropropane	MMDadoda	5/22/2025 8:21:48 AM	Sam	5/22/2025 8:26:30 AM	Peak Integrated by Software
VY0521SBS01	VY022356.D	Methacrylonitrile	MMDadoda	5/22/2025 8:21:48 AM	Sam	5/22/2025 8:26:30 AM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDICC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDICC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDICC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDICCC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDICC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDICC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBSD01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051925

Review By	Mahesh Dadoda	Review On	5/21/2025 3:42:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/21/2025 3:54:32 PM				
SubDirectory	VY051925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133960
Initial Calibration Stds	
CCC	VP133961,VP133962
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022302.D	19 May 2025 07:57	SY/MD	Ok
2	VSTDCCC050	VY022303.D	19 May 2025 08:27	SY/MD	Ok,M
3	VY0519SBL01	VY022304.D	19 May 2025 09:00	SY/MD	Ok
4	VY0519SBS01	VY022305.D	19 May 2025 09:36	SY/MD	Ok,M
5	VY0519SBSD01	VY022306.D	19 May 2025 09:59	SY/MD	Ok,M
6	Q2055-01	VY022307.D	19 May 2025 10:41	SY/MD	Ok
7	Q2052-03	VY022308.D	19 May 2025 11:04	SY/MD	Ok
8	Q2057-03	VY022309.D	19 May 2025 11:28	SY/MD	Ok
9	Q2048-03	VY022310.D	19 May 2025 11:51	SY/MD	Ok
10	Q2048-07	VY022311.D	19 May 2025 12:15	SY/MD	Ok
11	Q2048-11	VY022312.D	19 May 2025 12:38	SY/MD	Ok
12	Q2048-15	VY022313.D	19 May 2025 13:02	SY/MD	Ok
13	Q2003-02RE	VY022314.D	19 May 2025 13:25	SY/MD	Confirms
14	Q2062-03	VY022315.D	19 May 2025 13:49	SY/MD	Ok
15	Q2062-07	VY022316.D	19 May 2025 14:12	SY/MD	Ok
16	Q2062-11	VY022317.D	19 May 2025 14:35	SY/MD	Ok
17	Q2062-15	VY022318.D	19 May 2025 14:59	SY/MD	Ok
18	Q2062-19	VY022319.D	19 May 2025 15:22	SY/MD	Not Ok
19	Q2062-23	VY022320.D	19 May 2025 15:46	SY/MD	Not Ok
20	Q2071-03	VY022321.D	19 May 2025 16:09	SY/MD	Ok
21	Q2071-07	VY022322.D	19 May 2025 16:33	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051925

Review By	Mahesh Dadoda	Review On	5/21/2025 3:42:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/21/2025 3:54:32 PM				
SubDirectory	VY051925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133960
Initial Calibration Stds	
CCC	VP133961,VP133962
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2071-11	VY022323.D	19 May 2025 16:56	SY/MD	Not Ok
23	Q2071-15	VY022324.D	19 May 2025 17:20	SY/MD	Ok
24	Q2021-02	VY022325.D	19 May 2025 17:43	SY/MD	Ok
25	Q2056-01	VY022326.D	19 May 2025 18:06	SY/MD	Ok
26	VSTDCCC050	VY022327.D	19 May 2025 18:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM				
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022328.D	20 May 2025 08:09	SY/MD	Ok
2	VSTDCCC050	VY022329.D	20 May 2025 08:40	SY/MD	Ok,M
3	VY0520SBL01	VY022330.D	20 May 2025 09:48	SY/MD	Ok
4	VY0520SBS01	VY022331.D	20 May 2025 10:21	SY/MD	Ok,M
5	VY0520SBSD01	VY022332.D	20 May 2025 10:43	SY/MD	Ok,M
6	Q2062-19	VY022333.D	20 May 2025 11:28	SY/MD	Ok
7	Q2062-23	VY022334.D	20 May 2025 11:51	SY/MD	Ok
8	Q2071-11	VY022335.D	20 May 2025 12:15	SY/MD	Ok
9	Q2056-02	VY022336.D	20 May 2025 12:38	SY/MD	Ok
10	Q2056-03	VY022337.D	20 May 2025 13:01	SY/MD	Ok
11	Q2056-04	VY022338.D	20 May 2025 13:25	SY/MD	Ok
12	Q2056-05	VY022339.D	20 May 2025 13:48	SY/MD	Not Ok
13	Q2080-02	VY022340.D	20 May 2025 14:12	SY/MD	Ok
14	Q2080-08	VY022341.D	20 May 2025 14:35	SY/MD	Ok
15	Q2032-02	VY022342.D	20 May 2025 14:59	SY/MD	Ok
16	Q2075-01	VY022343.D	20 May 2025 15:22	SY/MD	Ok
17	Q2075-02	VY022344.D	20 May 2025 15:45	SY/MD	Ok
18	Q2075-03	VY022345.D	20 May 2025 16:09	SY/MD	Ok
19	Q2084-02	VY022346.D	20 May 2025 16:32	SY/MD	Ok
20	Q2032-01	VY022347.D	20 May 2025 16:56	SY/MD	Dilution
21	Q2032-05MS	VY022348.D	20 May 2025 17:19	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM				
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-06MSD	VY022349.D	20 May 2025 17:41	SY/MD	ReRun
23	Q2075-04MS	VY022350.D	20 May 2025 18:04	SY/MD	Ok,M
24	Q2075-05MSD	VY022351.D	20 May 2025 18:26	SY/MD	Ok,M
25	VSTDCCC050	VY022352.D	20 May 2025 19:34	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052125

Review By	Mahesh Dadoda	Review On	5/22/2025 8:21:53 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/22/2025 8:26:36 AM				
SubDirectory	VY052125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133975
Initial Calibration Stds	
CCC	VP133976,VP133977
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022353.D	21 May 2025 09:02	SY/MD	Ok
2	VSTDCCC050	VY022354.D	21 May 2025 09:33	SY/MD	Ok,M
3	VY0521SBL01	VY022355.D	21 May 2025 10:05	SY/MD	Ok
4	VY0521SBS01	VY022356.D	21 May 2025 10:35	SY/MD	Ok,M
5	VY0521SBSD01	VY022357.D	21 May 2025 10:58	SY/MD	Ok,M
6	Q2056-05	VY022358.D	21 May 2025 11:37	SY/MD	Ok
7	Q2071-11	VY022359.D	21 May 2025 12:00	SY/MD	Not Ok
8	Q2097-01	VY022360.D	21 May 2025 12:24	SY/MD	Ok
9	Q2097-03	VY022361.D	21 May 2025 12:47	SY/MD	Ok
10	Q2097-05	VY022362.D	21 May 2025 13:11	SY/MD	Ok
11	Q2097-07	VY022363.D	21 May 2025 13:34	SY/MD	Ok
12	Q2097-09	VY022364.D	21 May 2025 13:57	SY/MD	Ok
13	Q2097-11	VY022365.D	21 May 2025 14:21	SY/MD	ReRun
14	Q2097-13	VY022366.D	21 May 2025 14:44	SY/MD	Ok
15	Q2097-15	VY022367.D	21 May 2025 15:08	SY/MD	Ok
16	Q2097-17	VY022368.D	21 May 2025 15:31	SY/MD	Ok
17	Q2095-03	VY022369.D	21 May 2025 15:55	SY/MD	Ok
18	Q2095-07	VY022370.D	21 May 2025 16:18	SY/MD	Ok
19	Q2093-01	VY022371.D	21 May 2025 16:42	SY/MD	Ok
20	Q2092-01	VY022372.D	21 May 2025 17:05	SY/MD	Ok
21	Q2087-01	VY022373.D	21 May 2025 17:28	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052125

Review By	Mahesh Dadoda	Review On	5/22/2025 8:21:53 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/22/2025 8:26:36 AM				
SubDirectory	VY052125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133975
Initial Calibration Stds	
CCC	VP133976,VP133977
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2087-03	VY022374.D	21 May 2025 17:52	SY/MD	ReRun
23	Q2101-03	VY022375.D	21 May 2025 18:15	SY/MD	ReRun
24	Q2104-01	VY022376.D	21 May 2025 18:39	SY/MD	ReRun
25	Q2102-01	VY022377.D	21 May 2025 19:02	SY/MD	ReRun
26	VIBLK	VY022378.D	21 May 2025 19:26	SY/MD	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051925

Review By	Mahesh Dadoda	Review On	5/21/2025 3:42:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/21/2025 3:54:32 PM		
SubDirectory	VY051925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133960
Initial Calibration Stds	
CCC	VP133961,VP133962
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022302.D	19 May 2025 07:57		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022303.D	19 May 2025 08:27		SY/MD	Ok,M
3	VY0519SBL01	VY0519SBL01	VY022304.D	19 May 2025 09:00		SY/MD	Ok
4	VY0519SBS01	VY0519SBS01	VY022305.D	19 May 2025 09:36		SY/MD	Ok,M
5	VY0519SBSD01	VY0519SBSD01	VY022306.D	19 May 2025 09:59		SY/MD	Ok,M
6	Q2055-01	OR-02-051525	VY022307.D	19 May 2025 10:41	vial-B Internal Standard Fail	SY/MD	Ok
7	Q2052-03	TP-B-VOC	VY022308.D	19 May 2025 11:04	vial-B	SY/MD	Ok
8	Q2057-03	MH-L-VOC	VY022309.D	19 May 2025 11:28	vial-B	SY/MD	Ok
9	Q2048-03	L2-WC-1-VOC	VY022310.D	19 May 2025 11:51	vial-B	SY/MD	Ok
10	Q2048-07	L2-WC-2-VOC	VY022311.D	19 May 2025 12:15	vial-B	SY/MD	Ok
11	Q2048-11	L2-WC-3-VOC	VY022312.D	19 May 2025 12:38	vial-B	SY/MD	Ok
12	Q2048-15	L2-WC-4-VOC	VY022313.D	19 May 2025 13:02	vial-B	SY/MD	Ok
13	Q2003-02RE	VOCRE	VY022314.D	19 May 2025 13:25	vial-B, Internal standard fail	SY/MD	Confirms
14	Q2062-03	L1-WC-1-VOC	VY022315.D	19 May 2025 13:49	vial-A	SY/MD	Ok
15	Q2062-07	L1-WC-2-VOC	VY022316.D	19 May 2025 14:12	vial-A	SY/MD	Ok
16	Q2062-11	L1-WC-3-VOC	VY022317.D	19 May 2025 14:35	vial-A	SY/MD	Ok
17	Q2062-15	L1-WC-4-VOC	VY022318.D	19 May 2025 14:59	vial-A	SY/MD	Ok
18	Q2062-19	L1-WC-5-VOC	VY022319.D	19 May 2025 15:22	vial-A Internal Standard Fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051925

Review By	Mahesh Dadoda	Review On	5/21/2025 3:42:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/21/2025 3:54:32 PM		
SubDirectory	VY051925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133960
Initial Calibration Stds	
CCC	VP133961,VP133962
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2062-23	L1-WC-6-VOC	VY022320.D	19 May 2025 15:46	vial-A Internal Standard Fail	SY/MD	Not Ok
20	Q2071-03	L1-WC-7-VOC	VY022321.D	19 May 2025 16:09	vial-A	SY/MD	Ok
21	Q2071-07	L1-WC-8-VOC	VY022322.D	19 May 2025 16:33	vial-A	SY/MD	Ok
22	Q2071-11	L1-WC-9-VOC	VY022323.D	19 May 2025 16:56	vial-A Internal Standard Fail	SY/MD	Not Ok
23	Q2071-15	L2-WC-5-VOC	VY022324.D	19 May 2025 17:20	vial-A	SY/MD	Ok
24	Q2021-02	VOC	VY022325.D	19 May 2025 17:43	vial-B	SY/MD	Ok
25	Q2056-01	GVD11	VY022326.D	19 May 2025 18:06	vial-B	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022327.D	19 May 2025 18:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM		
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022328.D	20 May 2025 08:09		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022329.D	20 May 2025 08:40		SY/MD	Ok,M
3	VY0520SBL01	VY0520SBL01	VY022330.D	20 May 2025 09:48		SY/MD	Ok
4	VY0520SBS01	VY0520SBS01	VY022331.D	20 May 2025 10:21		SY/MD	Ok,M
5	VY0520SBSD01	VY0520SBSD01	VY022332.D	20 May 2025 10:43		SY/MD	Ok,M
6	Q2062-19	L1-WC-5-VOC	VY022333.D	20 May 2025 11:28	vial-B	SY/MD	Ok
7	Q2062-23	L1-WC-6-VOC	VY022334.D	20 May 2025 11:51	vial-B	SY/MD	Ok
8	Q2071-11	L1-WC-9-VOC	VY022335.D	20 May 2025 12:15	vial-B	SY/MD	Ok
9	Q2056-02	GVD12	VY022336.D	20 May 2025 12:38	vial-B	SY/MD	Ok
10	Q2056-03	GVD13	VY022337.D	20 May 2025 13:01	vial-B	SY/MD	Ok
11	Q2056-04	GVD14	VY022338.D	20 May 2025 13:25	vial-A	SY/MD	Ok
12	Q2056-05	GVD15	VY022339.D	20 May 2025 13:48	vial-A Internal standard fail	SY/MD	Not Ok
13	Q2080-02	PL-HRH-VOC-01	VY022340.D	20 May 2025 14:12	vial-A	SY/MD	Ok
14	Q2080-08	PL-HRH-VOC-02	VY022341.D	20 May 2025 14:35	vial-A	SY/MD	Ok
15	Q2032-02	TP-29	VY022342.D	20 May 2025 14:59	vial-A	SY/MD	Ok
16	Q2075-01	SS-10	VY022343.D	20 May 2025 15:22	vial-A	SY/MD	Ok
17	Q2075-02	SS-910	VY022344.D	20 May 2025 15:45	vial-A	SY/MD	Ok
18	Q2075-03	SS-11	VY022345.D	20 May 2025 16:09	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM		
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2084-02	OR-640-VOC-66	VY022346.D	20 May 2025 16:32	vial-A	SY/MD	Ok
20	Q2032-01	TP-11	VY022347.D	20 May 2025 16:56	vial-A Surrogate fail;Need MeOH	SY/MD	Dilution
21	Q2032-05MS	TP-24MS	VY022348.D	20 May 2025 17:19	vial-B	SY/MD	Ok,M
22	Q2032-06MSD	TP-24MSD	VY022349.D	20 May 2025 17:41	vial-B Internal standard fail	SY/MD	ReRun
23	Q2075-04MS	SS-11MS	VY022350.D	20 May 2025 18:04	vial-A	SY/MD	Ok,M
24	Q2075-05MSD	SS-11MSD	VY022351.D	20 May 2025 18:26	vial-A	SY/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VY022352.D	20 May 2025 19:34	ENDCCC failed for com.#06	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052125

Review By	Mahesh Dadoda	Review On	5/22/2025 8:21:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/22/2025 8:26:36 AM		
SubDirectory	VY052125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133975
Initial Calibration Stds	
CCC	VP133976,VP133977
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022353.D	21 May 2025 09:02		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022354.D	21 May 2025 09:33		SY/MD	Ok,M
3	VY0521SBL01	VY0521SBL01	VY022355.D	21 May 2025 10:05		SY/MD	Ok
4	VY0521SBS01	VY0521SBS01	VY022356.D	21 May 2025 10:35		SY/MD	Ok,M
5	VY0521SBSD01	VY0521SBSD01	VY022357.D	21 May 2025 10:58		SY/MD	Ok,M
6	Q2056-05	GVD15	VY022358.D	21 May 2025 11:37	vial-B	SY/MD	Ok
7	Q2071-11	L1-WC-9-VOC	VY022359.D	21 May 2025 12:00	Already Analyzed	SY/MD	Not Ok
8	Q2097-01	ETGI-357	VY022360.D	21 May 2025 12:24	vial-A	SY/MD	Ok
9	Q2097-03	RBR200044	VY022361.D	21 May 2025 12:47	vial-A	SY/MD	Ok
10	Q2097-05	RBR251675	VY022362.D	21 May 2025 13:11	vial-A	SY/MD	Ok
11	Q2097-07	VNJ-244	VY022363.D	21 May 2025 13:34	vial-A	SY/MD	Ok
12	Q2097-09	ETGI-290	VY022364.D	21 May 2025 13:57	vial-A	SY/MD	Ok
13	Q2097-11	RT3419	VY022365.D	21 May 2025 14:21	vial-A Internal standard fail	SY/MD	ReRun
14	Q2097-13	RBR251372	VY022366.D	21 May 2025 14:44	vial-A	SY/MD	Ok
15	Q2097-15	72-12013	VY022367.D	21 May 2025 15:08	vial-A	SY/MD	Ok
16	Q2097-17	RT-3888	VY022368.D	21 May 2025 15:31	vial-A	SY/MD	Ok
17	Q2095-03	WCS-TP1-VOC	VY022369.D	21 May 2025 15:55	vial-A	SY/MD	Ok
18	Q2095-07	WCS-TP2-VOC	VY022370.D	21 May 2025 16:18	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052125

Review By	Mahesh Dadoda	Review On	5/22/2025 8:21:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/22/2025 8:26:36 AM		
SubDirectory	VY052125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133975
Initial Calibration Stds	
CCC	VP133976,VP133977
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2093-01	SOIL-DRUM	VY022371.D	21 May 2025 16:42	vial-A	SY/MD	Ok
20	Q2092-01	VNJ-202	VY022372.D	21 May 2025 17:05	vial-A	SY/MD	Ok
21	Q2087-01	NB-07-05202025	VY022373.D	21 May 2025 17:28	vial-A	SY/MD	Ok
22	Q2087-03	NB-08-05202025	VY022374.D	21 May 2025 17:52	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
23	Q2101-03	TP-1-MHE-VOC	VY022375.D	21 May 2025 18:15	vial-A Internal standard fail	SY/MD	ReRun
24	Q2104-01	TR-06-052125	VY022376.D	21 May 2025 18:39	vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
25	Q2102-01	LAW-25-0077	VY022377.D	21 May 2025 19:02	vial-A Internal standard fail	SY/MD	ReRun
26	VIBLK	VIBLK	VY022378.D	21 May 2025 19:26		SY/MD	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/16/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135792

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2052-01	TP-B	1	1.18	10.10	11.28	10.33	90.6	
Q2052-02	TP-B-EPH	2	1.13	10.44	11.57	9.57	80.8	
Q2052-03	TP-B-VOC	3	1.12	10.85	11.97	10.55	86.9	
Q2053-01	SB-1	4	1.18	10.65	11.83	11.74	99.2	
Q2053-02	SB-2	5	1.16	10.40	11.56	11.48	99.2	
Q2053-03	SB-3	6	1.17	10.09	11.26	11.22	99.6	
Q2053-04	SB-4	7	1.12	10.00	11.12	11.05	99.3	
Q2053-05	SB-5	8	1.18	10.23	11.41	11.36	99.5	
Q2053-06	SB-6	9	1.19	10.14	11.33	11.26	99.3	
Q2053-07	SB-7	10	1.18	10.17	11.35	11.3	99.5	
Q2053-08	SB-8	11	1.18	10.07	11.25	11.21	99.6	
Q2053-09	SB-9	12	1.17	10.33	11.5	11.4	99.0	
Q2053-10	SB-10	13	1.13	10.31	11.44	11.36	99.2	
Q2053-11	SB-11	14	1.17	10.43	11.6	11.5	99.0	
Q2054-01	50694	15	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2054-02	50702	16	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2054-03	50703	17	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2055-01	OR-02-051525	18	1.18	10.59	11.77	10.62	89.1	
Q2055-02	OR-02-051525-E2	19	1.17	9.97	11.14	10.18	90.4	
Q2056-01	GVD11	20	1.19	10.10	11.29	10.9	96.1	
Q2056-02	GVD12	21	1.13	9.98	11.11	10.3	91.9	
Q2056-03	GVD13	22	1.18	10.47	11.65	10.24	86.5	
Q2056-04	GVD14	23	1.17	10.59	11.76	9.83	81.8	
Q2056-05	GVD15	24	1.13	10.61	11.74	10.04	84.0	
Q2057-01	MH-L	25	1.12	10.62	11.74	10.81	91.2	
Q2057-02	MH-L-EPH	26	1.14	10.05	11.19	10.26	90.7	
Q2057-03	MH-L-VOC	27	1.19	10.43	11.62	10.64	90.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/16/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/16/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135792

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135792

WorkList Name : %1-051525 **WorkList ID :** 189536 **Department :** Wet-Chemistry **Date :** 05-15-2025 08:22:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2052-01	TP-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/14/2025	Chemtech -SO
Q2052-02	TP-B-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/14/2025	Chemtech -SO
Q2052-03	TP-B-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/14/2025	Chemtech -SO
Q2053-01	SB-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-02	SB-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-03	SB-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-04	SB-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-05	SB-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-06	SB-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-07	SB-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-08	SB-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-09	SB-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-10	SB-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2053-11	SB-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2054-01	50694	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2054-02	50702	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2054-03	50703	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2055-01	OR-02-051525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2055-02	OR-02-051525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/15/2025	Chemtech -SO
Q2056-01	GVD11	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/15/2025	Chemtech -SO
Q2056-02	GVD12	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/15/2025	Chemtech -SO
					GENV01	L41	05/15/2025	Chemtech -SO

Date/Time 05-15-25 15:40

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 05-15-25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

UB135792

WorkList Name : %1-051525 **WorkList ID :** 189536 **Department :** Wet-Chemistry **Date :** 05-15-2025 08:22:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2056-03	GVD13	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/15/2025	Chemtech -SO
Q2056-04	GVD14	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/15/2025	Chemtech -SO
Q2056-05	GVD15	Solid	Percent Solids	Cool 4 deg C	GENV01	L41	05/15/2025	Chemtech -SO
Q2057-01	MH-L	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2057-02	MH-L-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO
Q2057-03	MH-L-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/15/2025	Chemtech -SO

Date/Time 05-15-25 1540

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05-15-25 17:10

Raw Sample Received by:

Raw Sample Relinquished by:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2056-01	37.52-32.40=5.12	10:00	37.97-32.41=5.56	10:01	35.91-32.28=3.63	10:02	V14143	05/16/2025	8260 TERRACORE SAMPLES
2	Q2056-02	40.46-33.07=7.39	10:03	39.60-32.78=6.82	10:04	35.07-28.02=7.05	10:05	V14143	05/16/2025	
3	Q2056-03	40.57-32.88=7.69	10:06	40.83-32.88=7.95	10:07	35.89-27.98=7.91	10:08	V14143	05/16/2025	
4	Q2056-04	37.52-30.95=6.57	10:09	40.31-33.35=6.96	10:10	35.71-27.83=7.88	10:11	V14143	05/16/2025	
5	Q2056-05	39.19-32.99=6.2	10:12	39.66-32.74=6.92	10:13	34.23-27.82=6.41	10:14	V14143	05/16/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2056
COC Number 2047006

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE NJ ZIP: 07876
ATTENTION: Gary
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME ~~[illegible]~~ Dover
PROJECT NO.: LOCATION:
PROJECT MANAGER GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO Environmental PO#:
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: STANDARD DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- X NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other SRS Excel
- X EDD FORMAT Hazsite NIDEP

ANALYSIS

TCL VOCs TAL Metals

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
		Specify Preservatives: A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER						Teflon Lines									
1.	GVD11	Soil		X	5/15/25	1100	4	X									
2.	GVD12					1120											
3.	GVD13					1140											
4.	GVD14					1205											
5.	GVD15	Soil		X	5/15/25	1215	4	X									
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/15/25 1309	1.
2.	DATE/TIME:	2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: JP Cert #1

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2056 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 5/15/2025 1:12:00 PM
Project Name : Dover
Receive DateTime : 5/15/2025 1:09:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2056-01	GVD11	Solid	05/15/2025	11:00					
					VOCMS Group1		8260D		10 Bus. Days
Q2056-02	GVD12	Solid	05/15/2025	11:20					
					VOCMS Group1		8260D		10 Bus. Days
Q2056-03	GVD13	Solid	05/15/2025	11:40					
					VOCMS Group1		8260D		10 Bus. Days
Q2056-04	GVD14	Solid	05/15/2025	12:05					
					VOCMS Group1		8260D		10 Bus. Days
Q2056-05	GVD15	Solid	05/15/2025	12:15					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By : AP
Date / Time : 5/15/25 1400

Received By : JC
Date / Time : 5/15/25 1400

Storage Area : **VOA Refridgerator Room**