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Cover Page

Order ID : P4768

Project ID : Trenton Youth Wrestling

Client : JPCL Engineering

Lab Sample Number	Client Sample Number
P4768-01	B-3-1
P4768-02	B-3-2
P4768-03	B-3-3
P4768-04	B-4
P4768-05	B-5
P4768-06	B-6-2
P4768-07	B-6-3

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/20/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4768**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PATEL VAISHALI** **Date:** **11/20/2024**

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LAB CHRONICLE

OrderID:	P4768	**OrderDate:**	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	**Project:**	Trenton Youth Wrestling
Contact:	Paul Rotondi	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	**B-3-1**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	
P4768-02	**B-3-2**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	
P4768-03	**B-3-3**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	
P4768-04	**B-4**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	
P4768-05	**B-5**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	
P4768-06	**B-6-2**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	
P4768-07	**B-6-3**	**SOIL**			**11/07/24**			**11/07/24**
			VOC-TCLVOA-10	8260D			11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4768

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B-3-1**								
P4768-01	B-3-1	SOIL	Ethyl Benzene		17.8		1.20	10.0	ug/Kg
P4768-01	B-3-1	SOIL	m/p-Xylenes		73.3		2.70	20.0	ug/Kg
P4768-01	B-3-1	SOIL	o-Xylene		22.5		1.40	10.0	ug/Kg
			Total Voc :		114				
P4768-01	B-3-1	SOIL	Decane	*	31.6	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,3,5-trimethyl-	*	12.5	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Octane, 3-methyl-	*	14.0	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	13.1	J	0	0	ug/Kg
P4768-01	B-3-1	SOIL	Cyclohexane, 1,2,4-trimethyl-,	*	36.8	J	0	0	ug/Kg
			Total Tics :		108				
			Total Concentration:		222				
Client ID:	**B-3-2**								
P4768-02	B-3-2	SOIL	Ethyl Benzene		9.20		0.69	5.50	ug/Kg
P4768-02	B-3-2	SOIL	m/p-Xylenes		41.5		1.50	11.1	ug/Kg
P4768-02	B-3-2	SOIL	o-Xylene		11.9		0.78	5.50	ug/Kg
			Total Voc :		62.6				
P4768-02	B-3-2	SOIL	unknown11.213	*	11.5	J	0	0	ug/Kg
P4768-02	B-3-2	SOIL	Decane	*	10.3	J	0	0	ug/Kg
			Total Tics :		21.8				
			Total Concentration:		84.4				
Client ID:	**B-3-3**								
P4768-03	B-3-3	SOIL	Ethyl Benzene		1.80	J	0.60	4.90	ug/Kg
P4768-03	B-3-3	SOIL	m/p-Xylenes		8.10	J	1.30	9.70	ug/Kg
P4768-03	B-3-3	SOIL	o-Xylene		2.60	J	0.68	4.90	ug/Kg
			Total Voc :		12.5				
			Total Concentration:		12.5				
Client ID:	**B-4**								
P4768-04	B-4	SOIL	m/p-Xylenes		3.00	J	1.40	10.5	ug/Kg
			Total Voc :		3.00				
P4768-04	B-4	SOIL	unknown2.092	*	5.30	J	0	0	ug/Kg
			Total Tics :		5.30				
			Total Concentration:		8.30				
Client ID:	**B-5**								
P4768-05	B-5	SOIL	Acetone		16.7	J	8.40	33.7	ug/Kg
			Total Voc :		16.7				
P4768-05	B-5	SOIL	unknown12.231	*	49.0	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown12.652	*	64.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	unknown12.871	*	39.5	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4768

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4768-05	B-5	SOIL	Naphthalene, decahydro-2-metl	*	58.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	76.1	J	0	0	ug/Kg
P4768-05	B-5	SOIL	2-Octene, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
P4768-05	B-5	SOIL	1-Dodecanol, 3,7,11-trimethyl-	*	59.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 1,1,2,3-tetrameth	*	54.5	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclooctene, 1,2-dimethyl-	*	59.3	J	0	0	ug/Kg
P4768-05	B-5	SOIL	Cyclohexane, 2-butyl-1,1,3-trin	*	45.2	J	0	0	ug/Kg
P4768-05	B-5	SOIL	sec-Butylbenzene	*	4.30	J	0.90	6.70	ug/Kg
			Total Tics :		630				
			Total Concentration:		647				
Client ID:	**B-6-2**								
P4768-06	B-6-2	SOIL	m/p-Xylenes		4.40	J	3.10	22.9	ug/Kg
			Total Voc :		4.40				
			Total Concentration:		4.40				
Client ID:	**B-6-3**								
P4768-07	B-6-3	SOIL	Acetone		13.4	J	6.20	24.7	ug/Kg
P4768-07	B-6-3	SOIL	Toluene		1.50	J	0.66	4.90	ug/Kg
P4768-07	B-6-3	SOIL	Ethyl Benzene		29.3		0.61	4.90	ug/Kg
P4768-07	B-6-3	SOIL	m/p-Xylenes		130		1.30	9.90	ug/Kg
P4768-07	B-6-3	SOIL	o-Xylene		44.4		0.69	4.90	ug/Kg
			Total Voc :		219				
P4768-07	B-6-3	SOIL	Decane	*	40.8	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, ethyl-	*	9.70	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, (2-methylpropyl)	*	8.90	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,3,5-trimethyl-,	*	15.8	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Octane, 3-methyl-	*	24.9	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,2,4-trimethyl-	*	60.7	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Decane, 4-methyl-	*	10.1	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Cyclohexane, 1,1,3-trimethyl-	*	18.6	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	Heptane, 2,3-dimethyl-	*	8.90	J	0	0	ug/Kg
P4768-07	B-6-3	SOIL	1-Ethyl-4-methylcyclohexane	*	13.4	J	0	0	ug/Kg
			Total Tics :		212				
			Total Concentration:		430				

QC SUMMARY

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Surrogate Summary

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4768-01	B-3-1	1,2-Dichloroethane-d4	50	56.3	113	50	163
		Dibromofluoromethane	50	51.4	103	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	48.5	97	29	146
P4768-02	B-3-2	1,2-Dichloroethane-d4	50	56.5	113	50	163
		Dibromofluoromethane	50	52.4	105	54	147
		Toluene-d8	50	49.8	100	58	134
		4-Bromofluorobenzene	50	47.9	96	29	146
P4768-03	B-3-3	1,2-Dichloroethane-d4	50	60.1	120	50	163
		Dibromofluoromethane	50	52.9	106	54	147
		Toluene-d8	50	49.7	99	58	134
		4-Bromofluorobenzene	50	48.5	97	29	146
P4768-04	B-4	1,2-Dichloroethane-d4	50	34.0	68	50	163
		Dibromofluoromethane	50	48.9	98	54	147
		Toluene-d8	50	41.5	83	58	134
		4-Bromofluorobenzene	50	23.0	46	29	146
P4768-05	B-5	1,2-Dichloroethane-d4	50	61.5	123	50	163
		Dibromofluoromethane	50	52.7	105	54	147
		Toluene-d8	50	51.2	102	58	134
		4-Bromofluorobenzene	50	57.6	115	29	146
P4768-06	B-6-2	1,2-Dichloroethane-d4	50	57.0	114	50	163
		Dibromofluoromethane	50	52.2	104	54	147
		Toluene-d8	50	48.9	98	58	134
		4-Bromofluorobenzene	50	46.0	92	29	146
P4768-07	B-6-3	1,2-Dichloroethane-d4	50	60.8	122	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	50.5	101	58	134
		4-Bromofluorobenzene	50	50.8	102	29	146
VY1111SBL01	VY1111SBL01	1,2-Dichloroethane-d4	50	43.3	87	50	163
		Dibromofluoromethane	50	46.4	93	54	147
		Toluene-d8	50	47.9	96	58	134
		4-Bromofluorobenzene	50	40.0	80	29	146
VY1111SBS01	VY1111SBS01	1,2-Dichloroethane-d4	50	52.3	105	50	163
		Dibromofluoromethane	50	53.4	107	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	53.2	106	29	146
VY1111SBSD01	VY1111SBSD01	1,2-Dichloroethane-d4	50	53.5	107	50	163
		Dibromofluoromethane	50	52.1	104	54	147
		Toluene-d8	50	50.3	100	58	134
		4-Bromofluorobenzene	50	52.0	104	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020241.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1111SBS01	Dichlorodifluoromethane	20	16.2	ug/Kg	81			64	136	
	Chloromethane	20	22.0	ug/Kg	110			70	130	
	Vinyl chloride	20	21.7	ug/Kg	109			72	129	
	Bromomethane	20	24.9	ug/Kg	125			58	141	
	Chloroethane	20	23.8	ug/Kg	119			69	130	
	Trichlorofluoromethane	20	22.7	ug/Kg	114			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			79	121	
	Acetone	100	88.8	ug/Kg	89			60	131	
	Carbon disulfide	20	17.2	ug/Kg	86			45	154	
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103			77	129	
	Methyl Acetate	20	19.2	ug/Kg	96			69	149	
	Methylene Chloride	20	18.3	ug/Kg	92			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	18.6	ug/Kg	93			76	122	
	2-Butanone	100	93.2	ug/Kg	93			69	131	
	Carbon Tetrachloride	20	20.1	ug/Kg	101			76	129	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			82	123	
	Bromochloromethane	20	18.6	ug/Kg	93			80	127	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107			80	126	
	Methylcyclohexane	20	18.9	ug/Kg	95			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	95.3	ug/Kg	95			70	135	
	Toluene	20	20.3	ug/Kg	102			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			81	122	
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106			82	125	
	2-Hexanone	100	95.2	ug/Kg	95			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			80	125	
	Tetrachloroethene	20	21.6	ug/Kg	108			83	125	
	Chlorobenzene	20	20.7	ug/Kg	104			84	122	
	Ethyl Benzene	20	20.6	ug/Kg	103			82	124	
	m/p-Xylenes	40	42.3	ug/Kg	106			83	124	
	o-Xylene	20	21.0	ug/Kg	105			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	21.2	ug/Kg	106			75	127	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/Kg	101			77	127	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020241.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1111SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020242.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1111SBSD01	Dichlorodifluoromethane	20	19.1	ug/Kg	96	17		64	136	20
	Chloromethane	20	19.2	ug/Kg	96	14		70	130	20
	Vinyl chloride	20	19.6	ug/Kg	98	11		72	129	20
	Bromomethane	20	21.3	ug/Kg	106	16		58	141	20
	Chloroethane	20	21.0	ug/Kg	105	13		69	130	20
	Trichlorofluoromethane	20	20.9	ug/Kg	104	9		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	20.8	ug/Kg	104	7		79	121	20
	Acetone	100	110	ug/Kg	110	21	*	60	131	20
	Carbon disulfide	20	17.8	ug/Kg	89	3		45	154	20
	Methyl tert-butyl Ether	20	22.3	ug/Kg	112	8		77	129	20
	Methyl Acetate	20	21.5	ug/Kg	108	12		69	149	20
	Methylene Chloride	20	18.9	ug/Kg	95	3		56	174	20
	trans-1,2-Dichloroethene	20	20.3	ug/Kg	102	2		80	123	20
	1,1-Dichloroethane	20	20.7	ug/Kg	104	2		82	123	20
	Cyclohexane	20	18.6	ug/Kg	93	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	17		69	131	20
	Carbon Tetrachloride	20	20.3	ug/Kg	102	1		76	129	20
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		82	123	20
	Bromochloromethane	20	20.1	ug/Kg	101	8		80	127	20
	Chloroform	20	21.5	ug/Kg	108	4		82	125	20
	1,1,1-Trichloroethane	20	21.5	ug/Kg	108	1		80	126	20
	Methylcyclohexane	20	18.6	ug/Kg	93	2		77	123	20
	Benzene	20	20.3	ug/Kg	102	0		84	121	20
	1,2-Dichloroethane	20	21.4	ug/Kg	107	5		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	1		83	122	20
	1,2-Dichloropropane	20	21.1	ug/Kg	106	3		83	122	20
	Bromodichloromethane	20	21.4	ug/Kg	107	3		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	15		70	135	20
	Toluene	20	20.4	ug/Kg	102	0		83	122	20
	t-1,3-Dichloropropene	20	20.8	ug/Kg	104	3		78	124	20
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	0		81	122	20
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109	3		82	125	20
	2-Hexanone	100	110	ug/Kg	110	15		66	138	20
	Dibromochloromethane	20	21.8	ug/Kg	109	6		79	125	20
	1,2-Dibromoethane	20	22.0	ug/Kg	110	10		80	125	20
	Tetrachloroethene	20	21.5	ug/Kg	108	0		83	125	20
	Chlorobenzene	20	20.7	ug/Kg	104	0		84	122	20
	Ethyl Benzene	20	20.0	ug/Kg	100	3		82	124	20
	m/p-Xylenes	40	40.9	ug/Kg	102	4		83	124	20
	o-Xylene	20	20.3	ug/Kg	102	3		83	123	20
	Styrene	20	20.6	ug/Kg	103	2		82	124	20
	Bromoform	20	22.1	ug/Kg	111	5		75	127	20
	Isopropylbenzene	20	20.5	ug/Kg	103	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104	3		77	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	1		83	122	20
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104	1		84	121	20
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4768

Client: JPCL Engineering

Analytical Method: SW8260D **Datafile :** VY020242.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1111SBSD01	1,2-Dibromo-3-Chloropropane	20	21.7	ug/Kg	109	10		66	134	20
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	4		78	127	20
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100	6		70	137	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1111SBL01

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020240.D Lab Sample ID: VY1111SBL01

Date Analyzed: 11/11/2024 Time Analyzed: 11:39

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
VY1111SBS01	VY1111SBS01	VY020241.D	11/11/2024
VY1111SBSD01	VY1111SBSD01	VY020242.D	11/11/2024
B-3-1	P4768-01	VY020243.D	11/11/2024
B-3-2	P4768-02	VY020244.D	11/11/2024
B-3-3	P4768-03	VY020245.D	11/11/2024
B-4	P4768-04	VY020246.D	11/11/2024
B-5	P4768-05	VY020247.D	11/11/2024
B-6-2	P4768-06	VY020248.D	11/11/2024
B-6-3	P4768-07	VY020249.D	11/11/2024

COMMENTS:

Raw Data: **VY020074.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020074.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_Y BFB Injection Time: 12:07

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	57.2
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 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 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	VY020075.D	10/30/2024	12:39
VSTDICC010	VSTDICC010	VY020076.D	10/30/2024	13:02
VSTDICC020	VSTDICC020	VY020077.D	10/30/2024	13:24
VSTDICCC050	VSTDICCC050	VY020078.D	10/30/2024	14:06
VSTDICC100	VSTDICC100	VY020079.D	10/30/2024	14:29
VSTDICC150	VSTDICC150	VY020080.D	10/30/2024	14:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020238.D BFB Injection Date: 11/11/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:30

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	24.2
75	30.0 - 60.0% of mass 95	57.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	71.2 (97.5) 1
177	5.0 - 9.0% of mass 176	4.3 (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	VY020239.D	11/11/2024	11:11
VY1111SBL01	VY1111SBL01	VY020240.D	11/11/2024	11:39
VY1111SBS01	VY1111SBS01	VY020241.D	11/11/2024	12:16
VY1111SBSD01	VY1111SBSD01	VY020242.D	11/11/2024	12:38
B-3-1	P4768-01	VY020243.D	11/11/2024	13:15
B-3-2	P4768-02	VY020244.D	11/11/2024	13:38
B-3-3	P4768-03	VY020245.D	11/11/2024	14:02
B-4	P4768-04	VY020246.D	11/11/2024	14:25
B-5	P4768-05	VY020247.D	11/11/2024	14:49
B-6-2	P4768-06	VY020248.D	11/11/2024	15:12
B-6-3	P4768-07	VY020249.D	11/11/2024	15:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020239.D Date Analyzed: 11/11/2024

Instrument ID: MSVOA_Y Time Analyzed: 11:11

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	256654	7.71	453274	8.62	393673	11.41
UPPER LIMIT	513308	8.207	906548	9.115	787346	11.913
LOWER LIMIT	128327	7.207	226637	8.115	196837	10.913
EPA SAMPLE NO.						
B-3-1	194671	7.71	402875	8.62	382441	11.41
B-3-2	172854	7.71	359947	8.62	335044	11.41
B-3-3	182592	7.71	390717	8.62	364887	11.41
B-4	20694 *	7.71	32857 *	8.62	20158 *	11.41
B-5	173593	7.71	369047	8.62	365456	11.41
B-6-2	190237	7.71	399773	8.62	365761	11.41
B-6-3	182405	7.71	389693	8.62	371704	11.41
VY1111SBL01	215426	7.71	422891	8.62	356582	11.41
VY1111SBS01	253989	7.71	455957	8.62	389005	11.41
VY1111SBSD01	241513	7.71	439980	8.62	382582	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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG NO.: P4768

Lab File ID: VY020239.D Date Analyzed: 11/11/2024

Instrument ID: MSVOA_Y Time Analyzed: 11:11

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

	IS4 AREA #	RT #				
12 HOUR STD	187296	13.346				
UPPER LIMIT	374592	13.846				
LOWER LIMIT	93648	12.846				
EPA SAMPLE NO.						
B-3-1	133835	13.35				
B-3-2	117809	13.35				
B-3-3	129893	13.35				
B-4	3939 *	13.35				
B-5	144633	13.35				
B-6-2	128461	13.35				
B-6-3	131499	13.35				
VY1111SBL01	111959	13.35				
VY1111SBS01	179570	13.35				
VY1111SBSD01	176083	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: **VY020243.D**

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.30	U	3.30	10.0	ug/Kg
74-87-3	Chloromethane	2.30	U	2.30	10.0	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	1.50	10.0	ug/Kg
74-83-9	Bromomethane	2.10	U	2.10	10.0	ug/Kg
75-00-3	Chloroethane	2.00	U	2.00	10.0	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	10.0	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	2.10	10.0	ug/Kg
75-35-4	1,1-Dichloroethene	1.60	U	1.60	10.0	ug/Kg
67-64-1	Acetone	12.5	U	12.5	50.1	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	10.0	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.30	U	1.30	10.0	ug/Kg
79-20-9	Methyl Acetate	3.60	U	3.60	10.0	ug/Kg
75-09-2	Methylene Chloride	6.80	U	6.80	20.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.0	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	10.0	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	10.0	ug/Kg
78-93-3	2-Butanone	11.4	U	11.4	50.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	1.70	10.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.20	U	1.20	10.0	ug/Kg
74-97-5	Bromochloromethane	4.80	U	4.80	10.0	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	10.0	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	10.0	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	1.70	10.0	ug/Kg
71-43-2	Benzene	1.40	U	1.40	10.0	ug/Kg
107-06-2	1,2-Dichloroethane	1.20	U	1.20	10.0	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	10.0	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	10.0	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	10.0	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.70	U	8.70	50.1	ug/Kg
108-88-3	Toluene	1.30	U	1.30	10.0	ug/Kg

Raw Data: **VY020243.D**

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	10.0	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.10	U	1.10	10.0	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	1.70	10.0	ug/Kg
591-78-6	2-Hexanone	9.60	U	9.60	50.1	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	10.0	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	10.0	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	10.0	ug/Kg
108-90-7	Chlorobenzene	1.50	U	1.50	10.0	ug/Kg
100-41-4	Ethyl Benzene	17.8		1.20	10.0	ug/Kg
179601-23-1	m/p-Xylenes	73.3		2.70	20.0	ug/Kg
95-47-6	o-Xylene	22.5		1.40	10.0	ug/Kg
100-42-5	Styrene	1.20	U	1.20	10.0	ug/Kg
75-25-2	Bromoform	1.60	U	1.60	10.0	ug/Kg
98-82-8	Isopropylbenzene	1.30	U	1.30	10.0	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	10.0	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	10.0	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	10.0	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	10.0	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	3.10	10.0	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	10.0	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	10.0	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	7.707			
540-36-3	1,4-Difluorobenzene	403000	8.616			
3114-55-4	Chlorobenzene-d5	382000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020243.D**

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.2
Sample Wt/Vol:	2.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020243.D	1		11/11/24 13:15	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001839-63-0	Cyclohexane, 1,3,5-trimethyl-	12.5	J		10.9	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	13.1	J		11.0	ug/Kg
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	36.8	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	14.0	J		11.3	ug/Kg
000124-18-5	Decane	31.6	J		12.7	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\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Quant Time: Nov 11 23:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

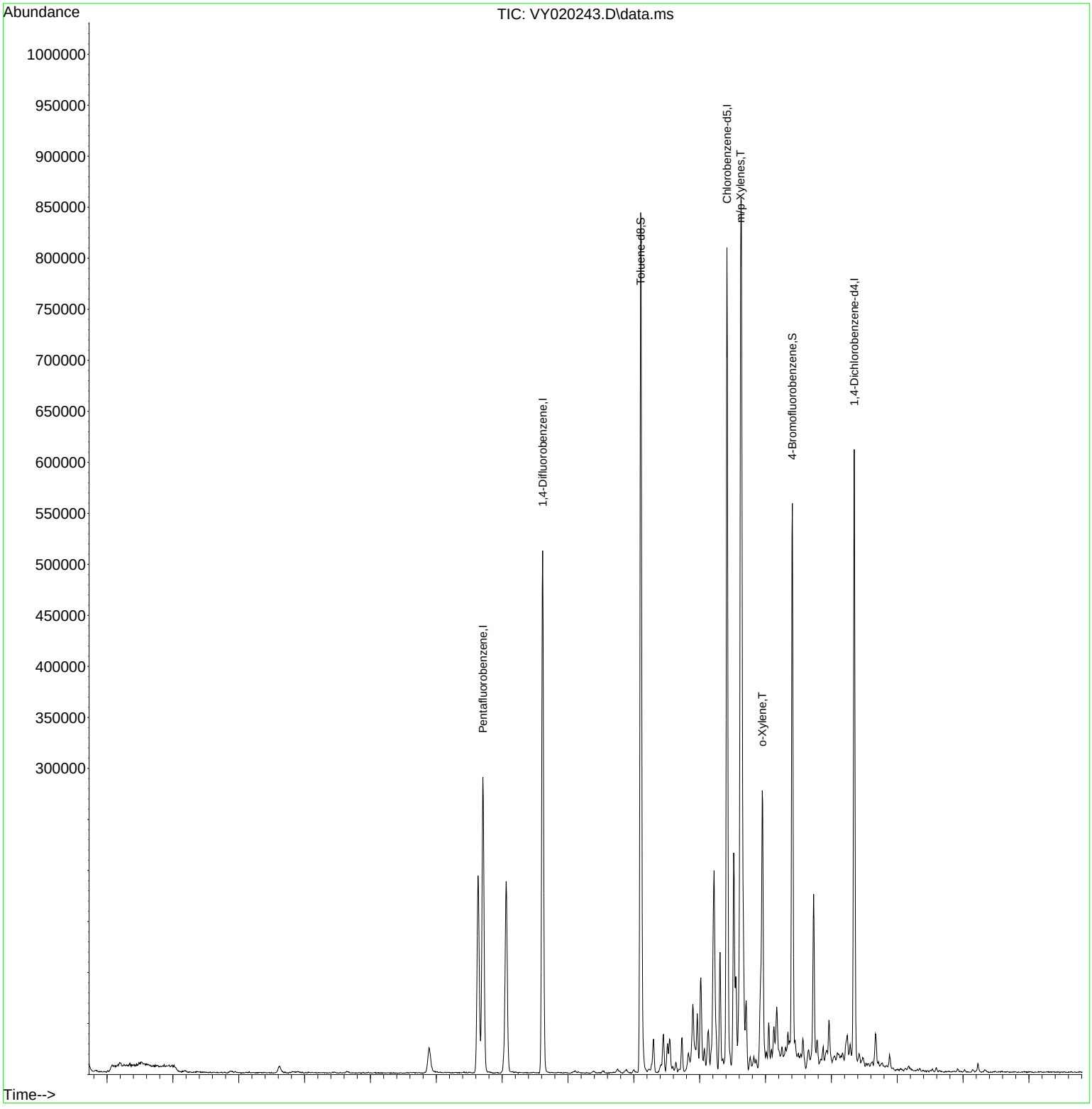
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	194671	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	402875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	382441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136782	56.298	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.600%			
35) Dibromofluoromethane	7.634	113	131525	51.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.103	98	509159	49.938	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.408	95	160547	48.478	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.960%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.518	91	135368	8.887	ug/l	96
68) m/p-Xylenes	11.621	106	203893	36.584	ug/l	89
69) o-Xylene	11.950	106	59241	11.227	ug/l	90

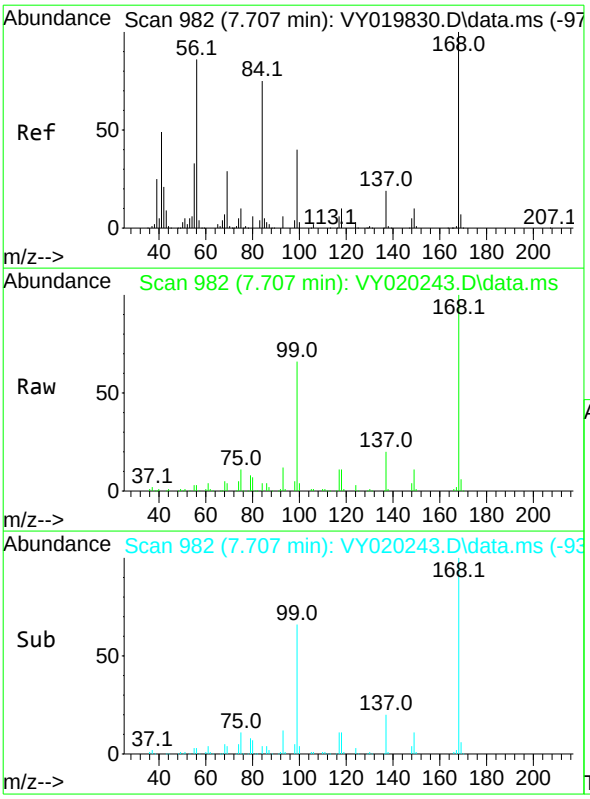
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Quant Time: Nov 11 23:14:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



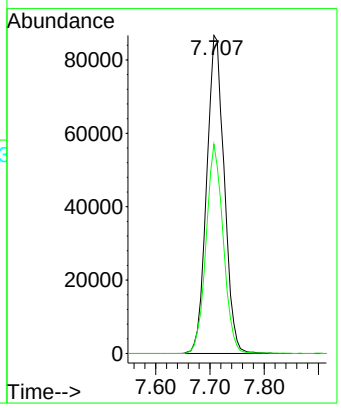


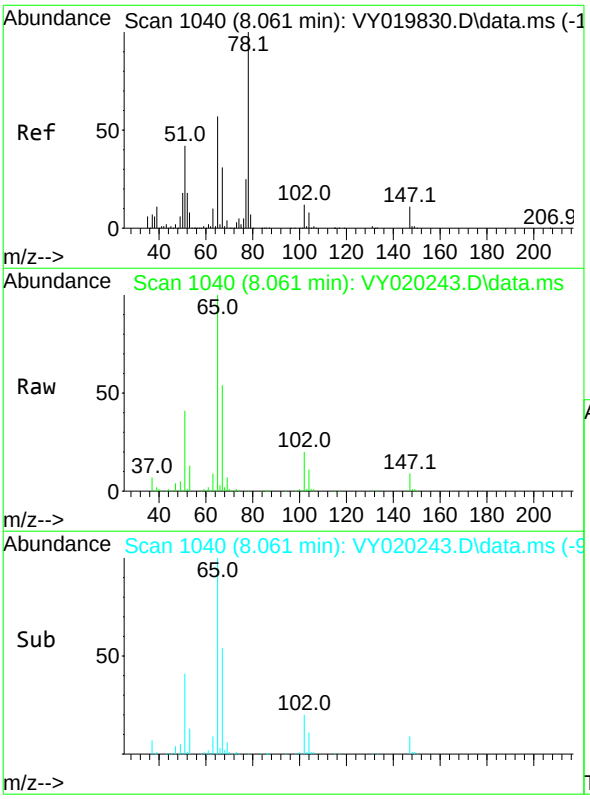
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Tgt Ion:168 Resp: 194671

Ion	Ratio	Lower	Upper
168	100		
99	65.8	39.1	58.7#

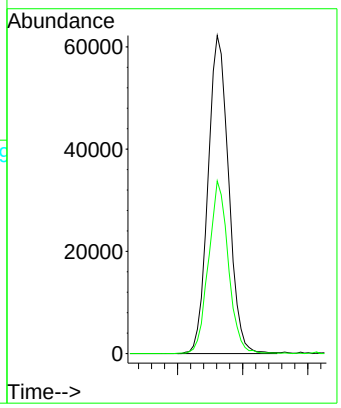


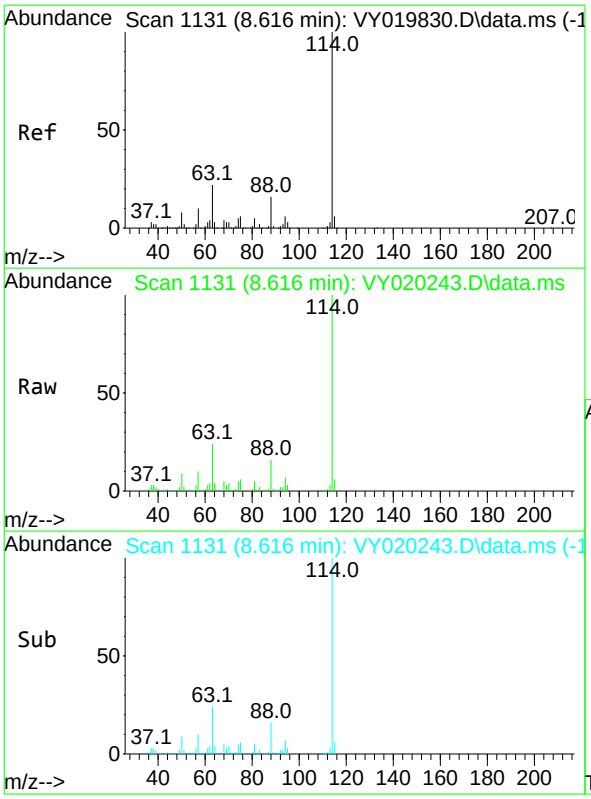


#33
1,2-Dichloroethane-d4
Concen: 56.298 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion: 65 Resp: 136782

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	109.6



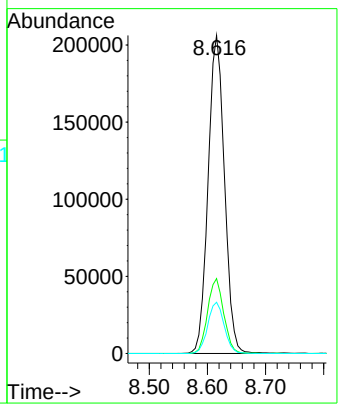


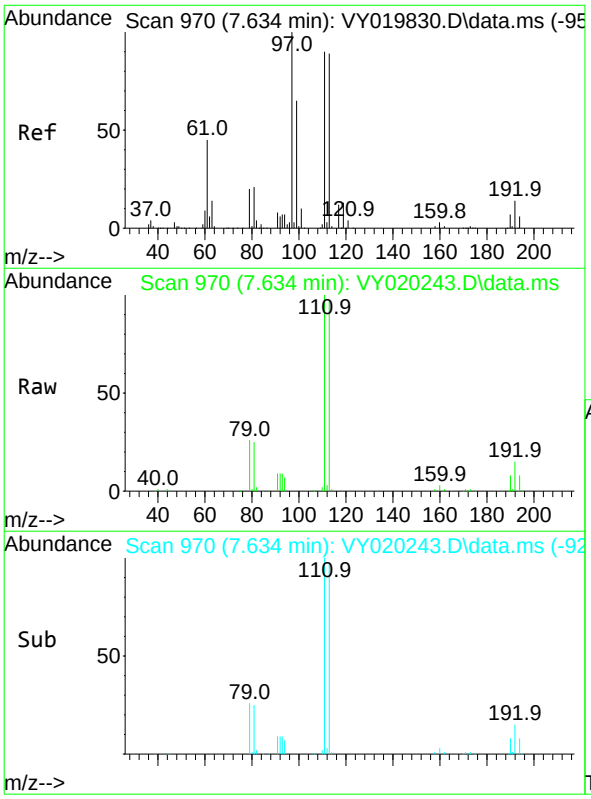
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Tgt Ion:114 Resp: 402875

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	35.0
88	16.1	0.0	27.2

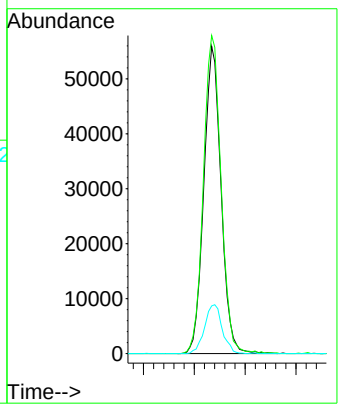


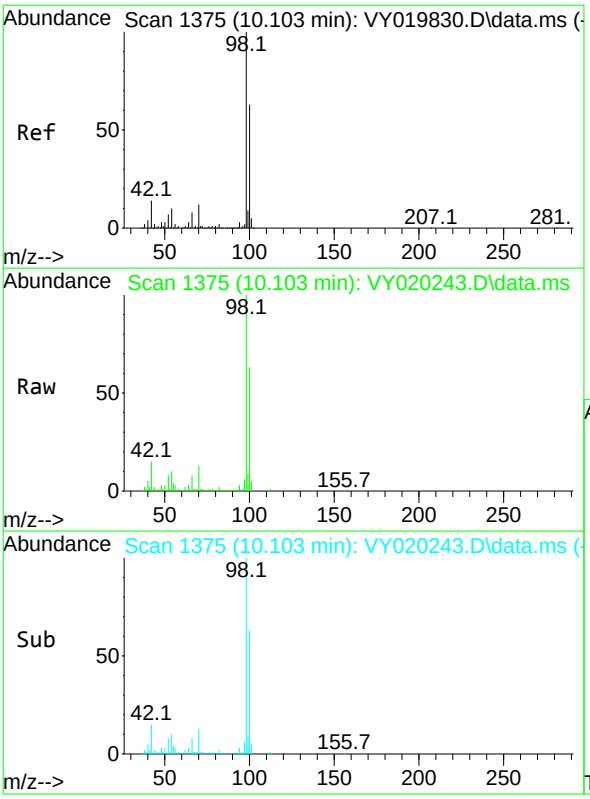


#35
Dibromofluoromethane
Concen: 51.348 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion:113 Resp: 131525

Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.2	123.4
192	16.3	15.9	23.9



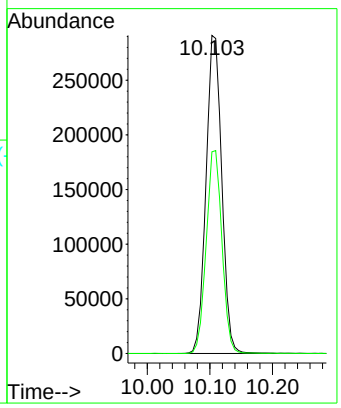


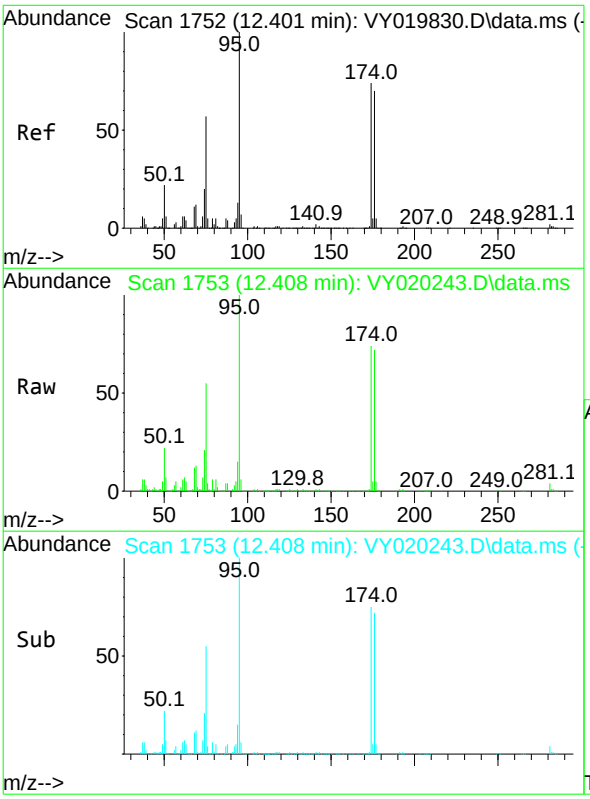
#50
Toluene-d8
Concen: 49.938 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Tgt Ion: 98 Resp: 509159

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0

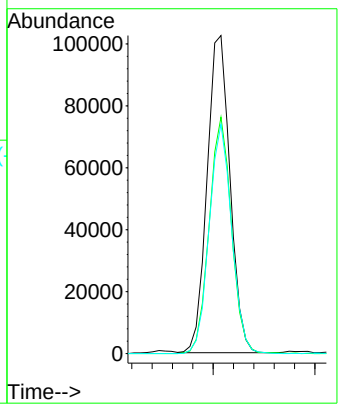


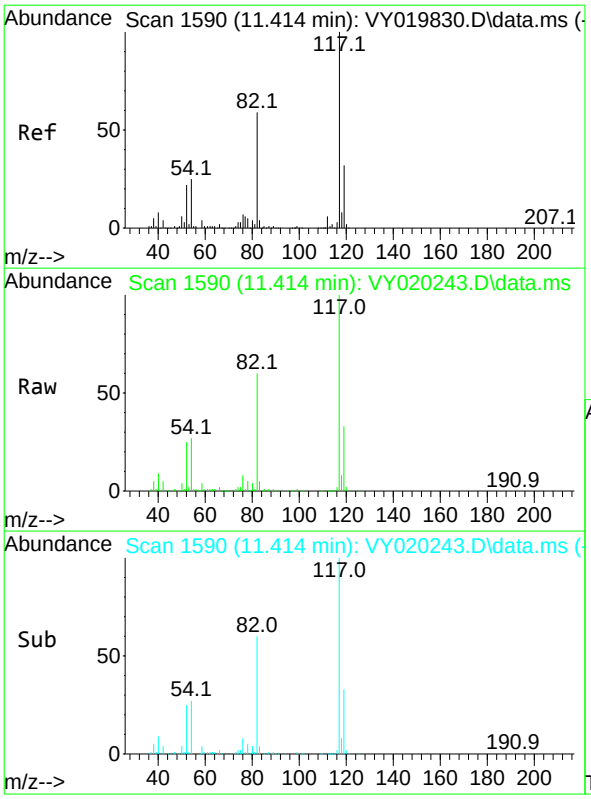


#62
4-Bromofluorobenzene
Concen: 48.478 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion: 95 Resp: 160547

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	175.6
176	70.4	0.0	171.4



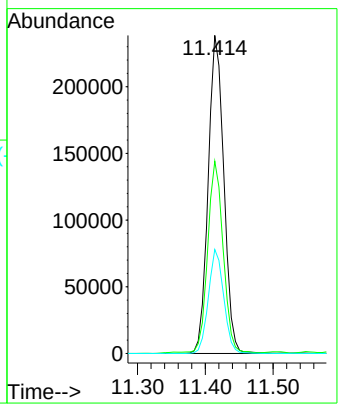


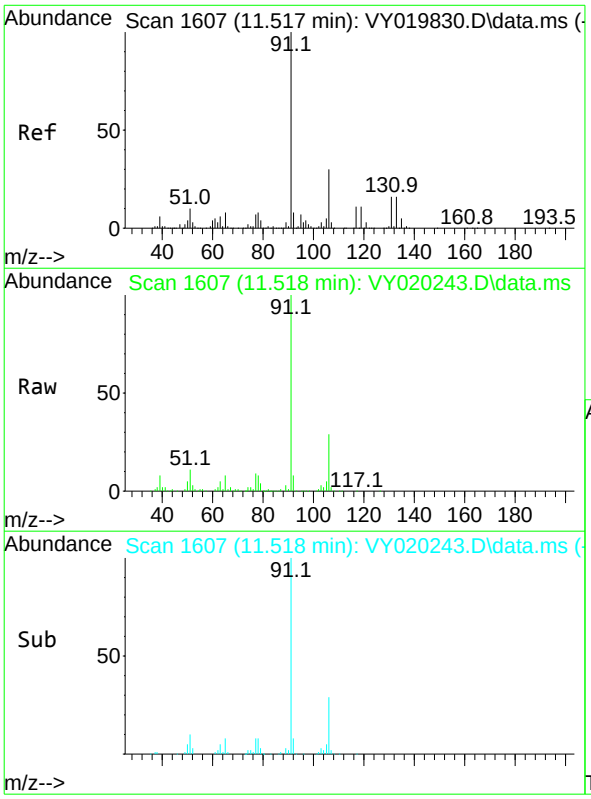
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Tgt Ion:117 Resp: 382441

Ion	Ratio	Lower	Upper
117	100		
82	60.1	42.4	63.6
119	32.7	25.9	38.9

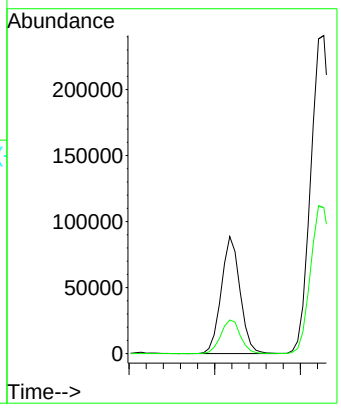




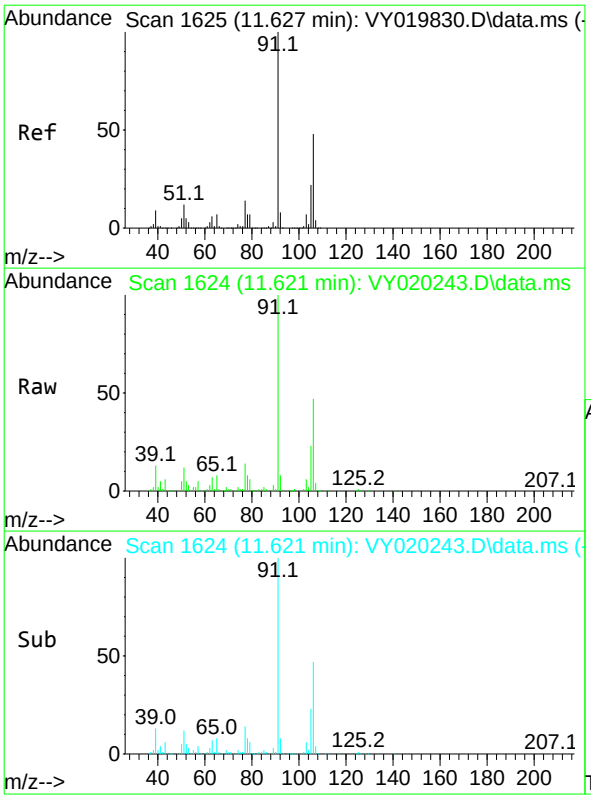
#67
Ethyl Benzene
Concen: 8.887 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion: 91 Resp: 135368

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.5	36.7



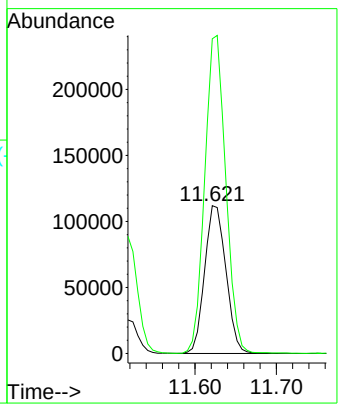
Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

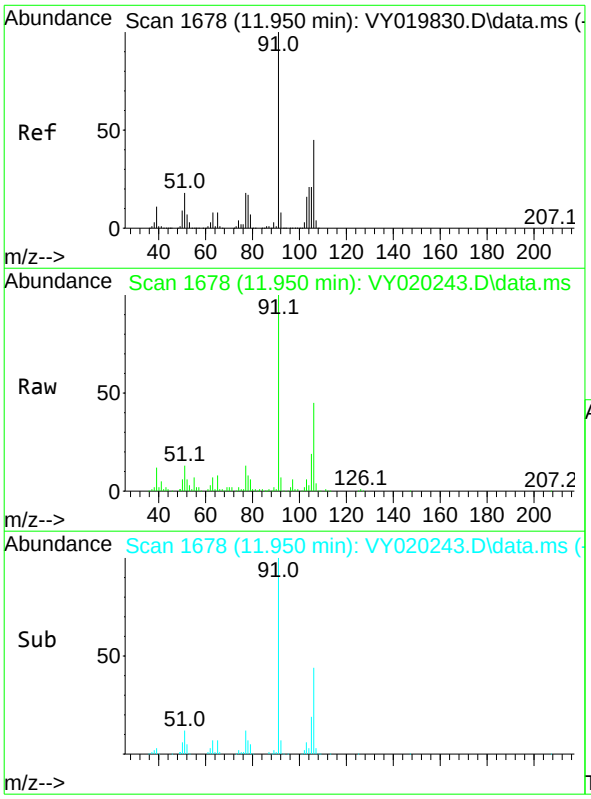


#68
m/p-Xylenes
Concen: 36.584 ug/l
RT: 11.621 min Scan# 16
Delta R.T. -0.012 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion:106 Resp: 203893

Ion	Ratio	Lower	Upper
106	100		
91	212.0	156.0	234.0

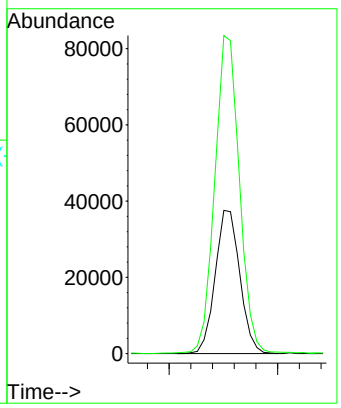


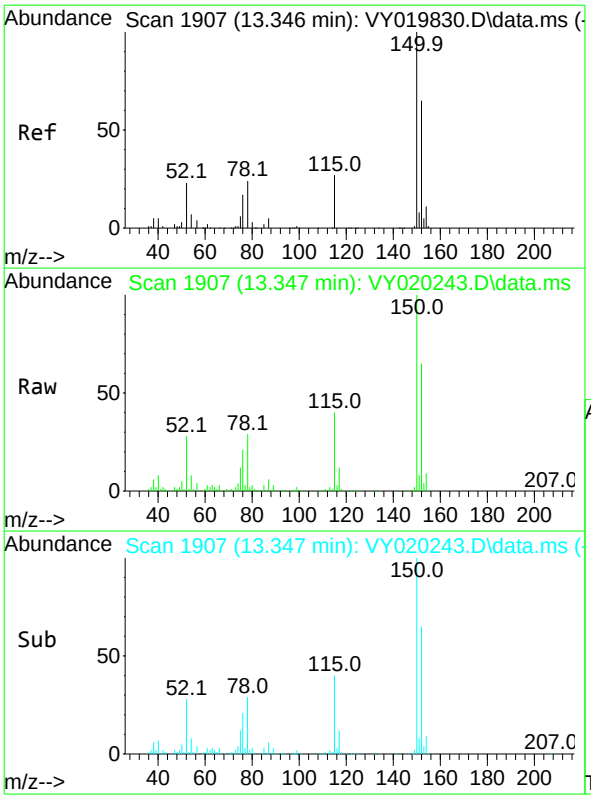


#69
o-Xylene
Concen: 11.227 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Tgt Ion:106 Resp: 59241

Ion	Ratio	Lower	Upper
106	100		
91	223.3	103.6	310.8



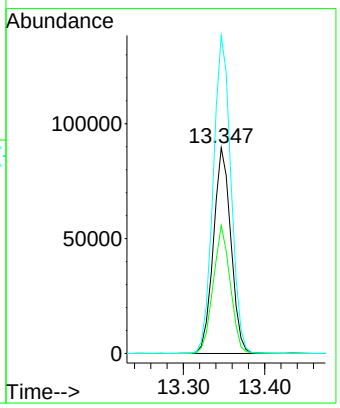


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020243.D
Acq: 11 Nov 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Tgt Ion:152 Resp: 133835

Ion	Ratio	Lower	Upper
152	100		
115	60.7	28.2	84.7
150	156.6	0.0	345.6



Sample Results: **VY020243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020243.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	839	848	863	rBV3	24144	76058	3.66%	0.592%
2	7.634	960	970	976	rBV	193191	458159	22.02%	3.564%
3	7.707	976	982	995	rVB	289500	642720	30.89%	4.999%
4	8.061	1026	1040	1050	rBV3	187853	455208	21.88%	3.541%
5	8.616	1122	1131	1146	rBV	512131	1013192	48.70%	7.881%
6	10.103	1368	1375	1392	rBV	842712	1520130	73.06%	11.824%
7	10.298	1399	1407	1414	rVB3	32791	62205	2.99%	0.484%
8	10.451	1427	1432	1437	rVB	35601	60950	2.93%	0.474%
9	10.512	1437	1442	1444	rBV	26717	42680	2.05%	0.332%
10	10.542	1444	1447	1453	rVB2	28802	50875	2.45%	0.396%
11	10.731	1473	1478	1484	rVB	33236	51491	2.47%	0.401%
12	10.829	1484	1494	1498	rBV4	17843	41818	2.01%	0.325%
13	10.896	1498	1505	1512	rVV3	64296	159353	7.66%	1.240%
14	10.963	1512	1516	1520	rVV	54076	88052	4.23%	0.685%
15	11.018	1520	1525	1531	rVV	88741	166466	8.00%	1.295%
16	11.073	1531	1534	1537	rVV4	18159	24868	1.20%	0.193%
17	11.134	1537	1544	1548	rVV3	36009	69899	3.36%	0.544%
18	11.219	1548	1558	1567	rVB3	194324	469273	22.55%	3.650%
19	11.310	1567	1573	1578	rBV	114335	177916	8.55%	1.384%
20	11.414	1582	1590	1601	rVB	801283	1275592	61.31%	9.922%
21	11.518	1601	1607	1611	rBV	208034	361038	17.35%	2.808%
22	11.548	1611	1612	1616	rVV	83882	93377	4.49%	0.726%
23	11.627	1616	1625	1635	rVV3	846183	2080639	100.00%	16.184%
24	11.707	1635	1638	1643	rVB2	67655	103733	4.99%	0.807%
25	11.768	1643	1648	1652	rBV4	12570	22395	1.08%	0.174%
26	11.950	1667	1678	1686	rBV2	271752	603117	28.99%	4.691%
27	12.048	1691	1694	1698	rVV	36526	47087	2.26%	0.366%
28	12.127	1703	1707	1710	rVV4	32151	53183	2.56%	0.414%
29	12.170	1710	1714	1723	rVV4	50869	101966	4.90%	0.793%
30	12.341	1739	1742	1744	rVV2	25380	32901	1.58%	0.256%
31	12.408	1747	1753	1758	rVV	542486	871693	41.90%	6.780%
32	12.566	1776	1779	1786	rVB6	29205	53393	2.57%	0.415%
33	12.652	1786	1793	1797	rBV4	18204	42519	2.04%	0.331%
34	12.731	1797	1806	1812	rVV2	167513	295043	14.18%	2.295%
35	12.786	1812	1815	1819	rVB3	23418	36365	1.75%	0.283%
36	12.962	1841	1844	1852	rVB2	41514	69384	3.33%	0.540%

Sample Results: **VY020243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

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\82Y103024S.M
Title : SW846 8260

37	13.243	1882	1890	1893	rVV7	25456	62253	2.99%	0.484%
38	13.286	1894	1897	1900	rVV4	17615	26905	1.29%	0.209%
39	13.347	1900	1907	1915	rVV	601974	935540	44.96%	7.277%
40	13.670	1955	1960	1966	rBV5	30948	56675	2.72%	0.441%

Sum of corrected areas: 12856111

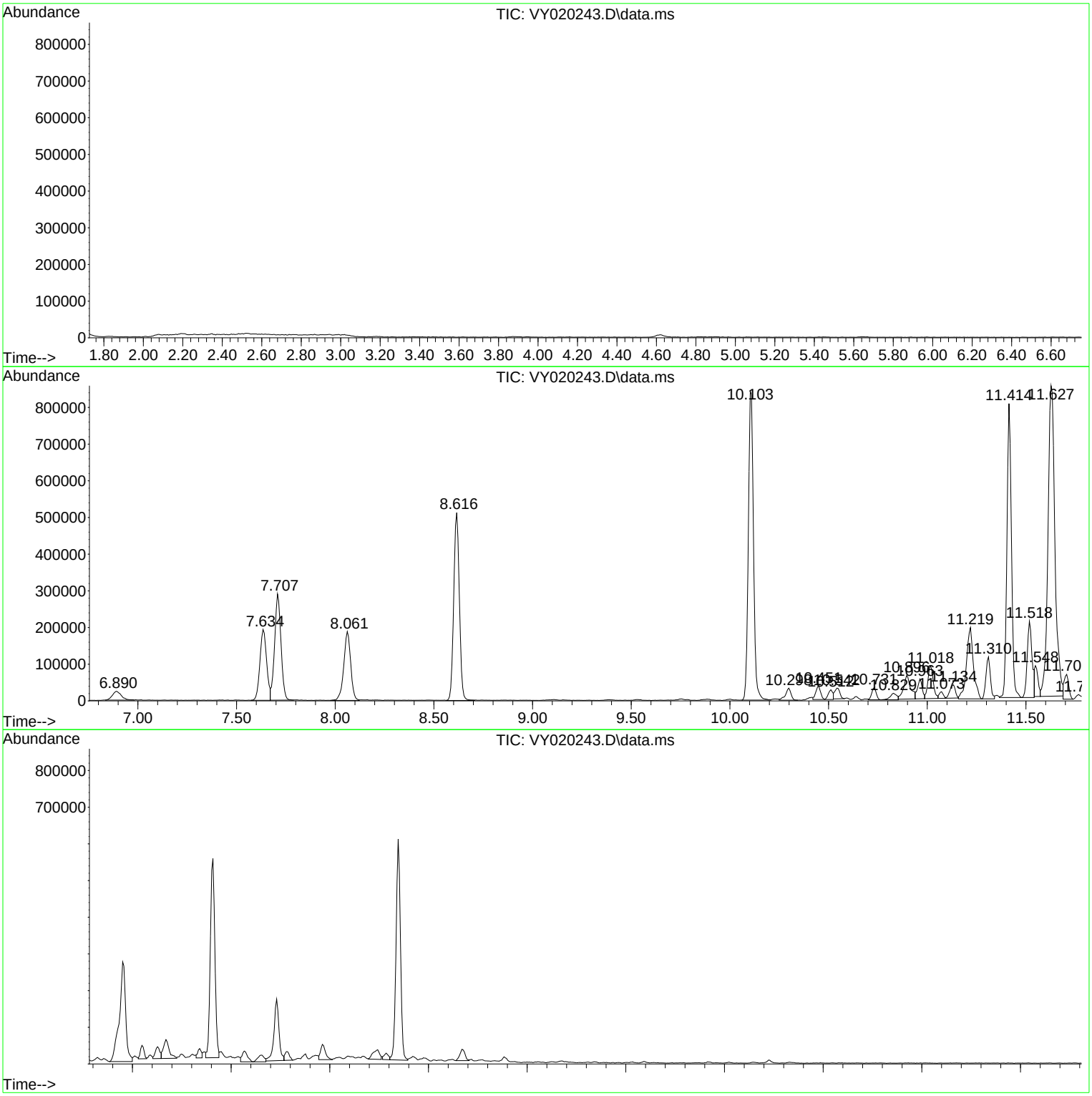
Sample Results: **VY020243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Sample Results: **VY020243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

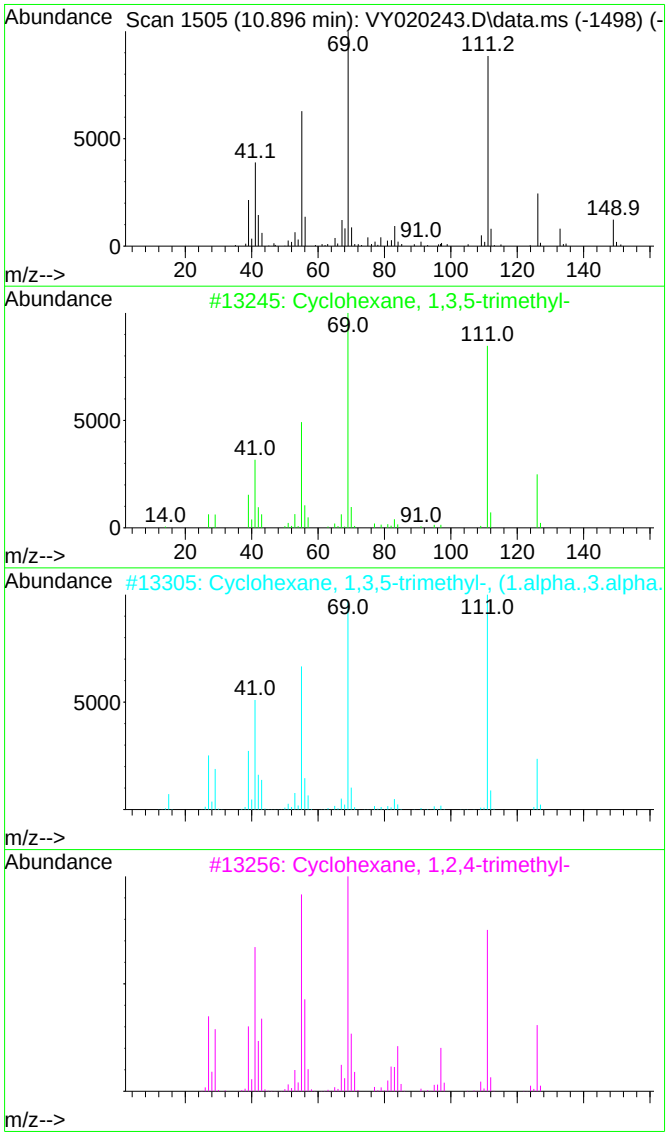
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

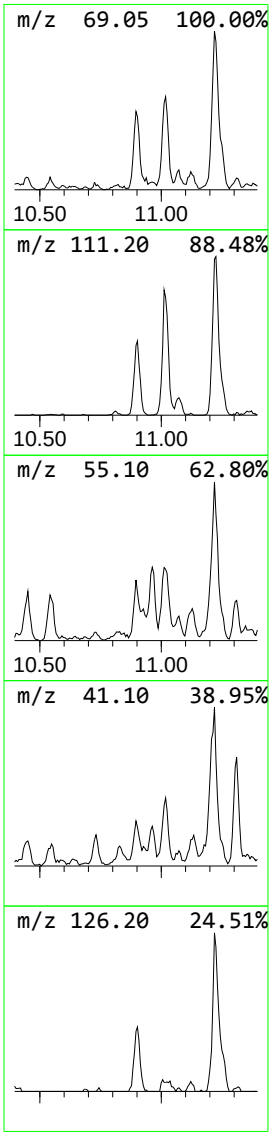
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1,3,5-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.896	6.25 ug/l	159353	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
4	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	64
5	Methoxyacetic acid, 2-ethylcyclo...	200	C11H20O3	1000282-69-7	59





Sample Results: **VY020243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

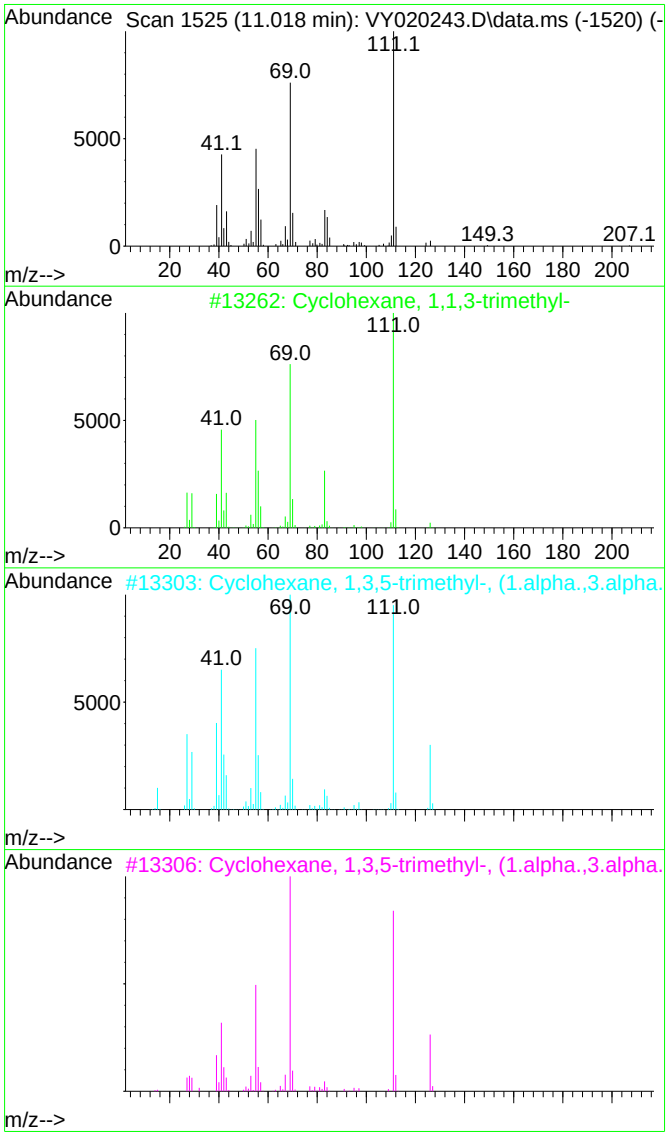
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

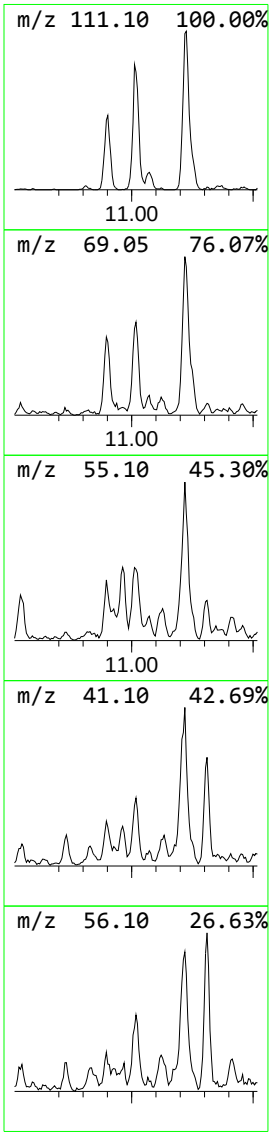
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	6.53 ug/l	166466	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

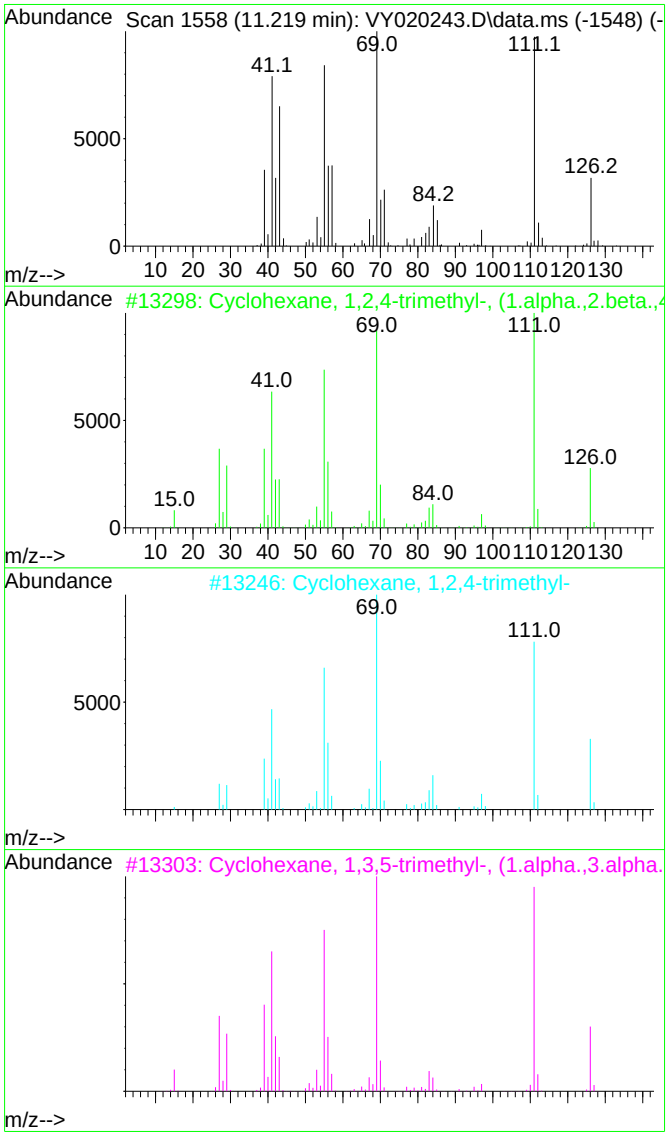
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

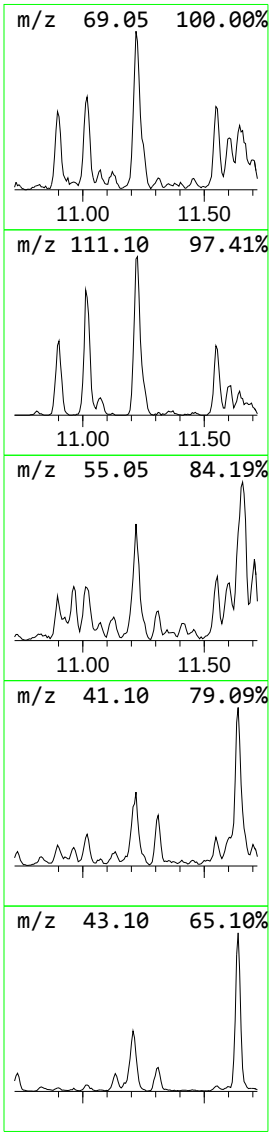
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1,2,4-trimethy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.219	18.39 ug/l	469273	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	90
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72





Sample Results: **VY020243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

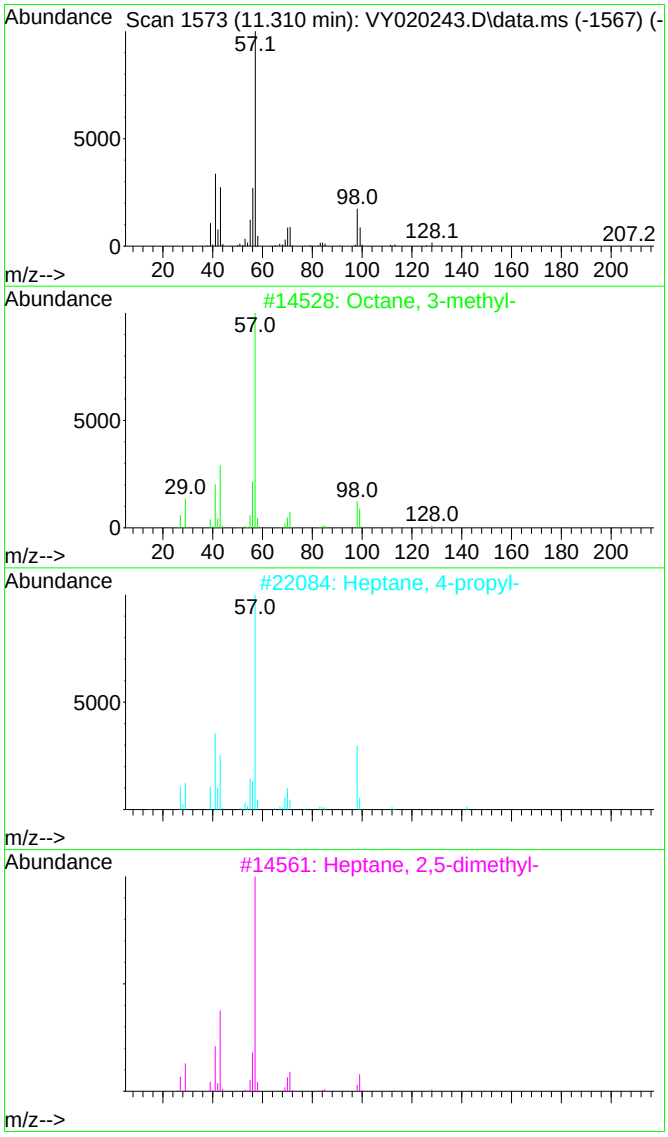
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

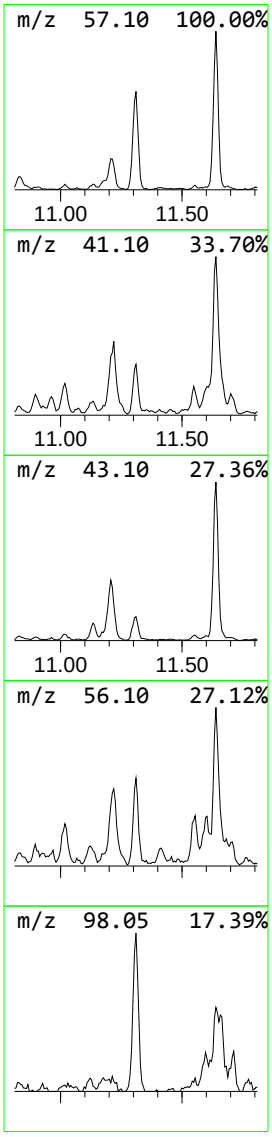
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Octane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	6.97 ug/l	177916	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

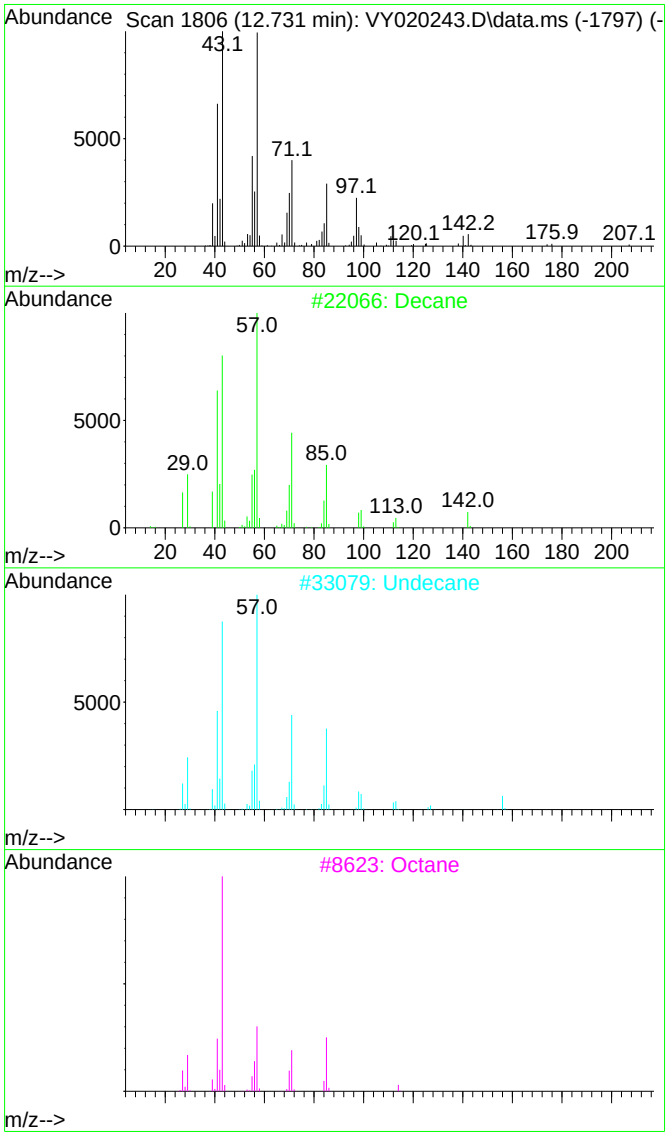
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

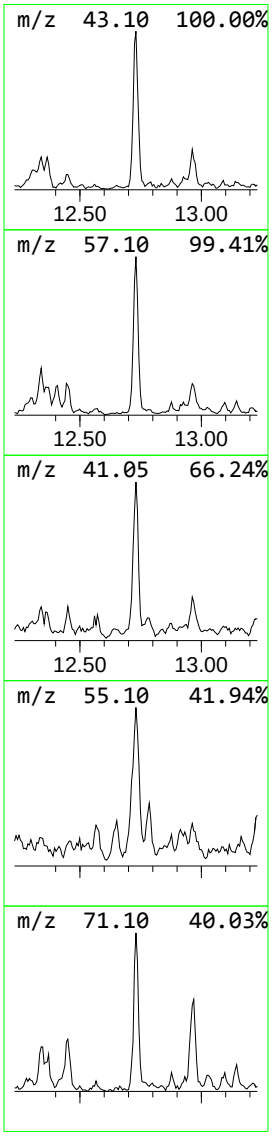
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Decane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	15.77 ug/l	295043	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Undecane	156	C11H24	001120-21-4	59
3	Octane	114	C8H18	000111-65-9	53
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	50
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020243.D
Acq On : 11 Nov 2024 13:15
Operator : SY/MD
Sample : P4768-01
Misc : 2.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
Cyclohexane, 1,...	10.896	6.3	ug/l	159353	3	11.414	1275590	50.0
Cyclohexane, 1,...	11.018	6.5	ug/l	166466	3	11.414	1275590	50.0
Cyclohexane, 1,...	11.219	18.4	ug/l	469273	3	11.414	1275590	50.0
Octane, 3-methyl-	11.310	7.0	ug/l	177916	3	11.414	1275590	50.0
Decane	12.731	15.8	ug/l	295043	4	13.347	935540	50.0

Raw Data: **VY020244.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.50	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	5.50	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.7	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.50	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.50	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	5.50	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	5.50	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	27.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.50	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.50	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.50	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.50	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	5.50	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.50	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.7	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.50	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	5.50	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.50	ug/Kg
100-41-4	Ethyl Benzene	9.20		0.69	5.50	ug/Kg
179601-23-1	m/p-Xylenes	41.5		1.50	11.1	ug/Kg
95-47-6	o-Xylene	11.9		0.78	5.50	ug/Kg
100-42-5	Styrene	0.67	U	0.67	5.50	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.65	U	0.65	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.87	U	0.87	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.5		50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		29 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	7.713			
540-36-3	1,4-Difluorobenzene	360000	8.616			
3114-55-4	Chlorobenzene-d5	335000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020244.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	4.74 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020244.D	1		11/11/24 13:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown11.213	11.5	J		11.2	ug/Kg
000124-18-5	Decane	10.3	J		12.7	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\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Quant Time: Nov 11 23:15:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	172854	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	359947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	335044	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	117809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	121963	56.534	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.060%			
35) Dibromofluoromethane	7.634	113	119898	52.391	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.780%			
50) Toluene-d8	10.109	98	453772	49.813	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.408	95	141852	47.942	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.880%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.517	91	110508	8.281	ug/l	100
68) m/p-Xylenes	11.627	106	182574	37.394	ug/l	94
69) o-Xylene	11.956	106	49716	10.755	ug/l	89

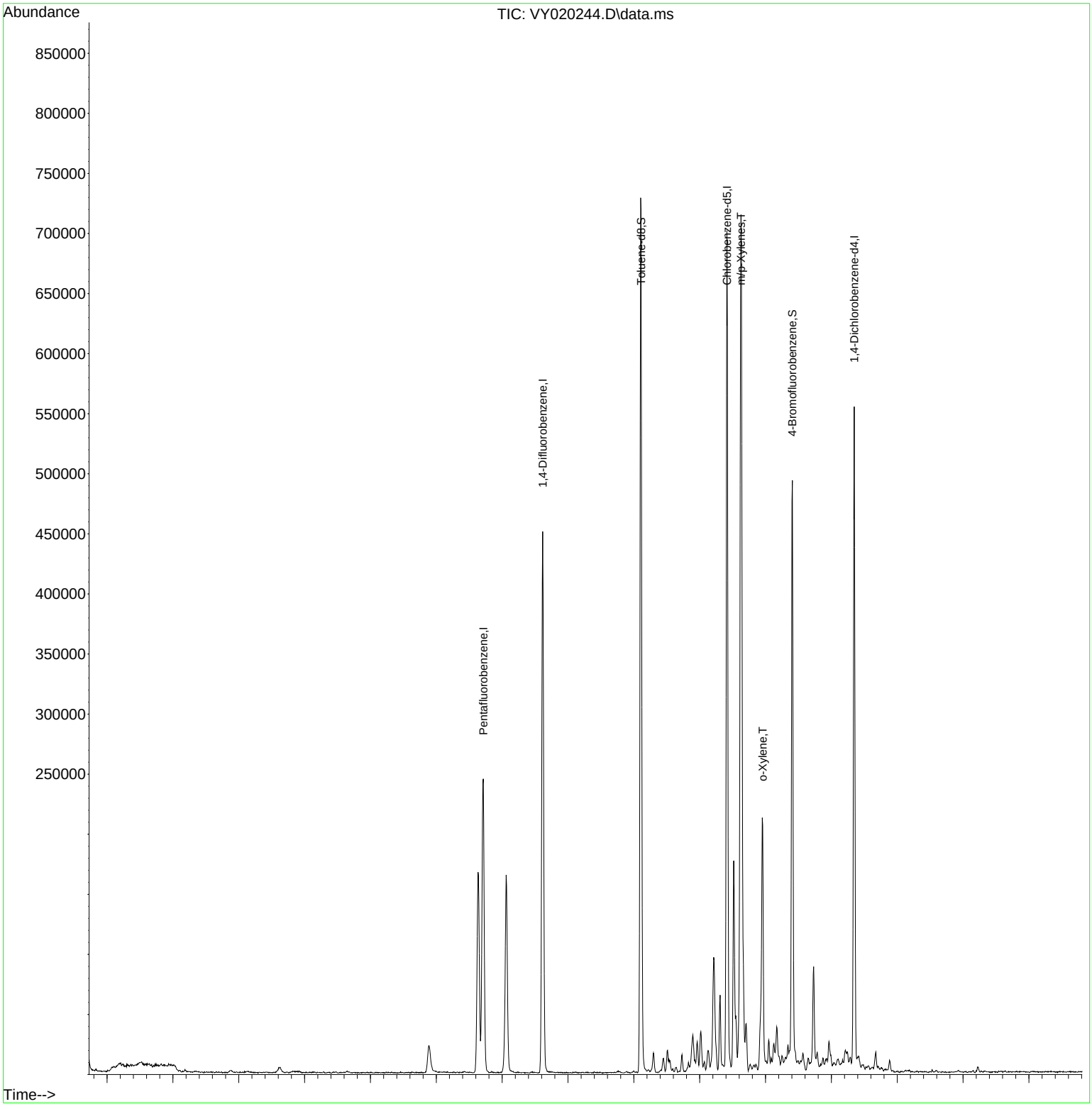
(#) = qualifier out of range (m) = manual integration (+) = signals summed

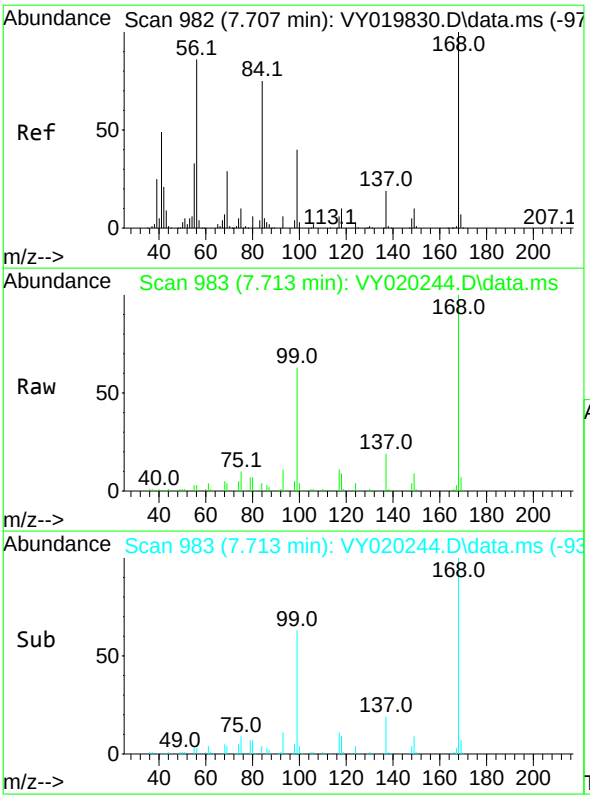
Sample Results: **VY020244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Quant Time: Nov 11 23:15:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



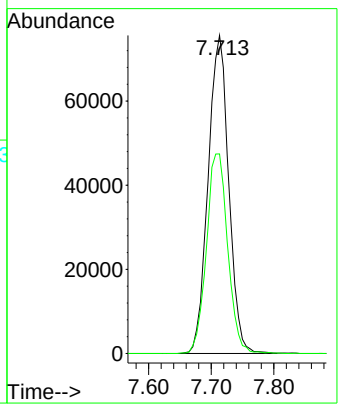


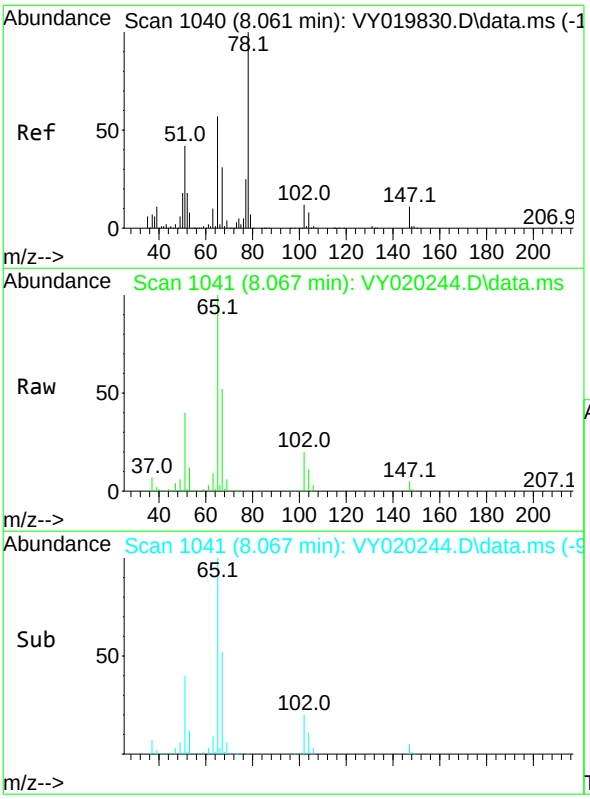
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion:168 Resp: 172854

Ion	Ratio	Lower	Upper
168	100		
99	62.7	39.1	58.7#

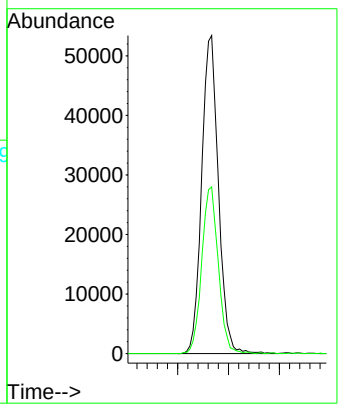


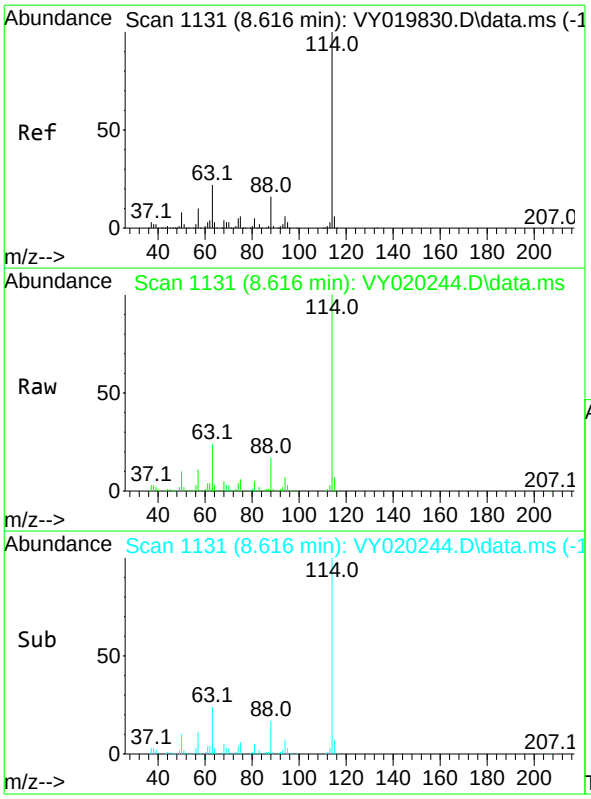


#33
1,2-Dichloroethane-d4
Concen: 56.534 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 65 Resp: 121963

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.6



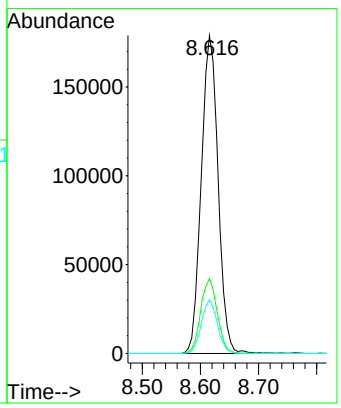


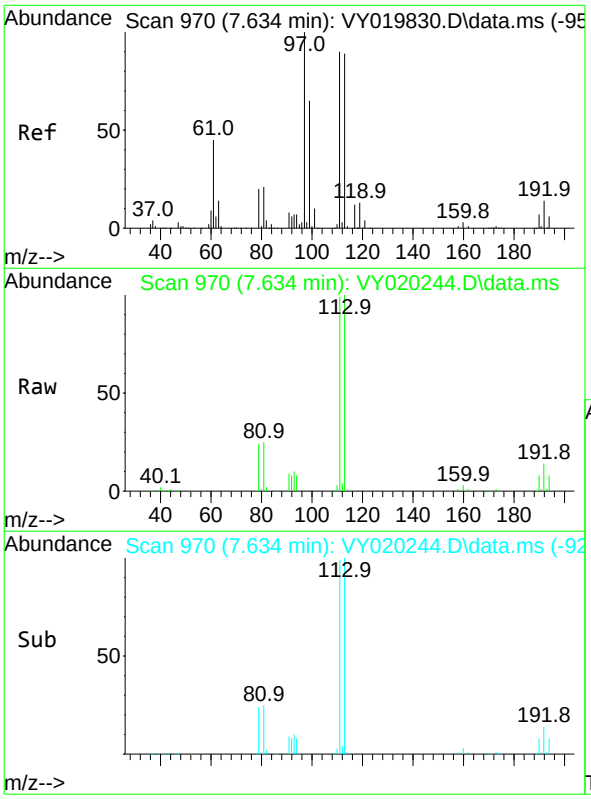
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion:114 Resp: 359947

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	35.0
88	17.0	0.0	27.2

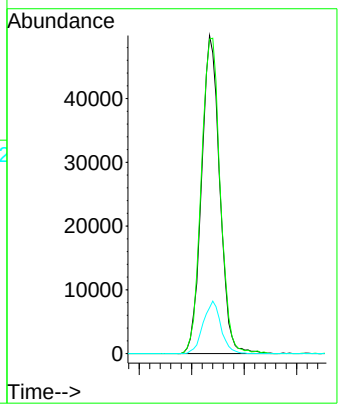


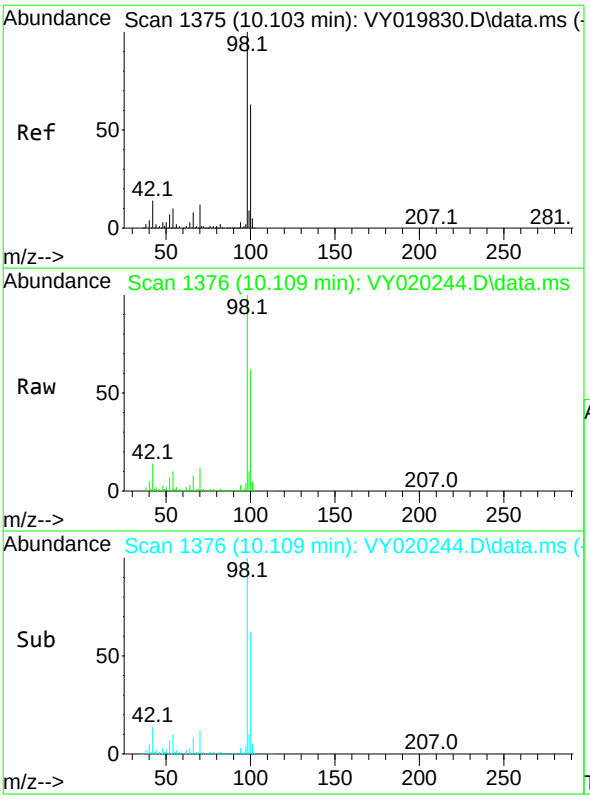


#35
Dibromofluoromethane
Concen: 52.391 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion:113 Resp: 119898

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	16.1	15.9	23.9



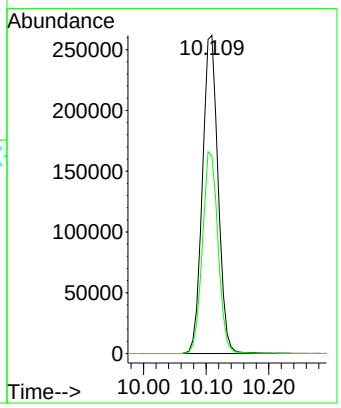


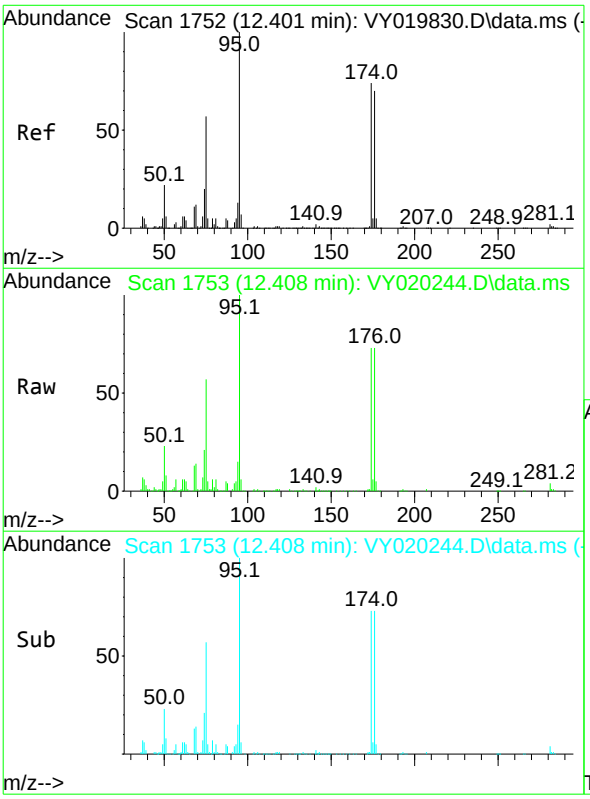
#50
Toluene-d8
Concen: 49.813 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion: 98 Resp: 453772

Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.0	78.0

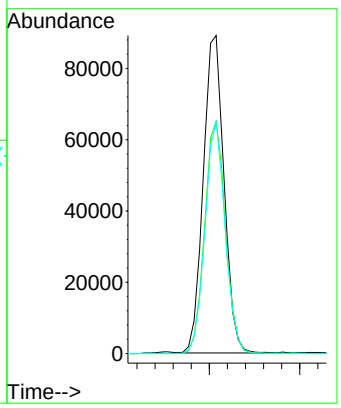


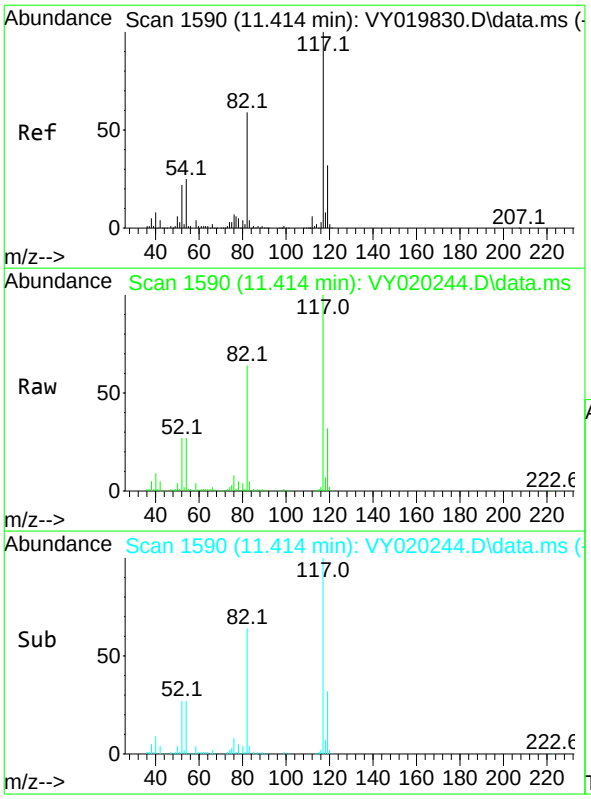


#62
4-Bromofluorobenzene
Concen: 47.942 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 95 Resp: 141852

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	175.6
176	70.8	0.0	171.4



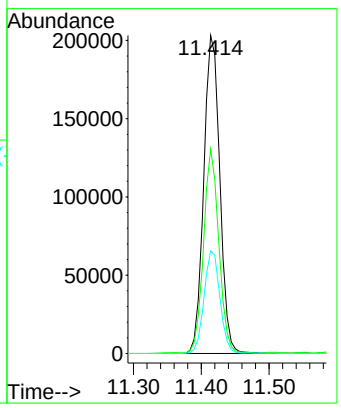


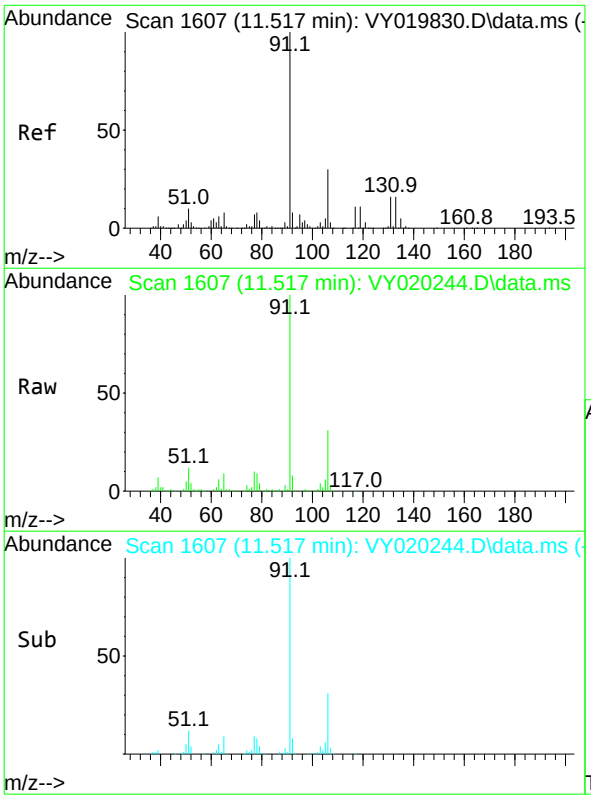
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion:117 Resp: 335044

Ion	Ratio	Lower	Upper
117	100		
82	64.0	42.4	63.6#
119	32.2	25.9	38.9

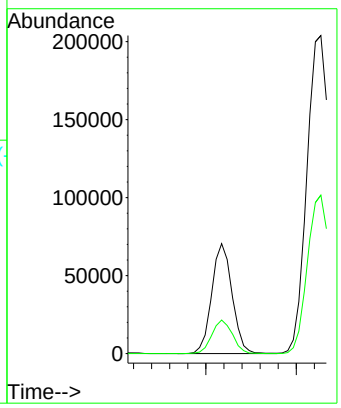


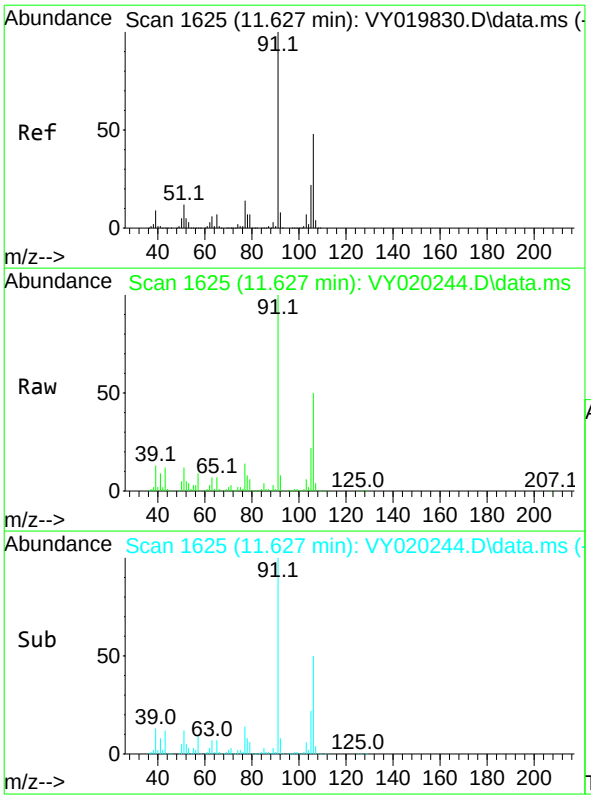


#67
Ethyl Benzene
Concen: 8.281 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion: 91 Resp: 110508

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



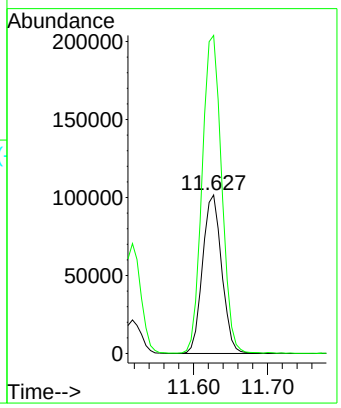


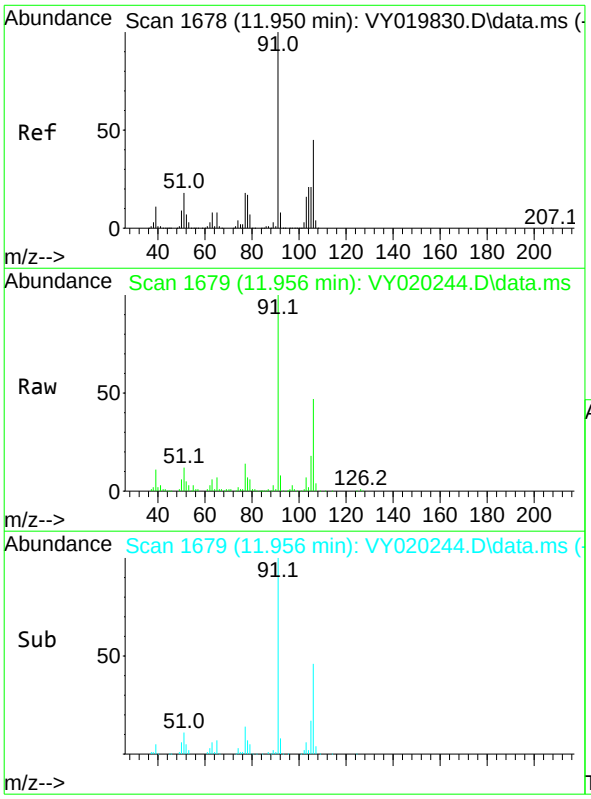
#68
m/p-Xylenes
Concen: 37.394 ug/l
RT: 11.627 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion:106 Resp: 182574

Ion	Ratio	Lower	Upper
106	100		
91	204.4	156.0	234.0

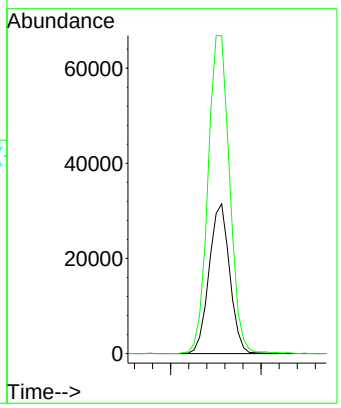


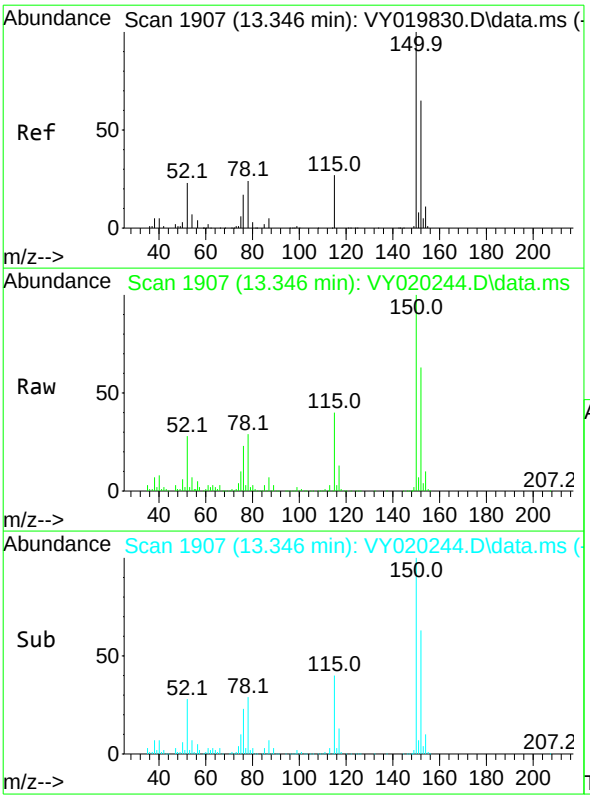


#69
o-Xylene
Concen: 10.755 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Tgt Ion:106 Resp: 49716

Ion	Ratio	Lower	Upper
106	100		
91	223.9	103.6	310.8



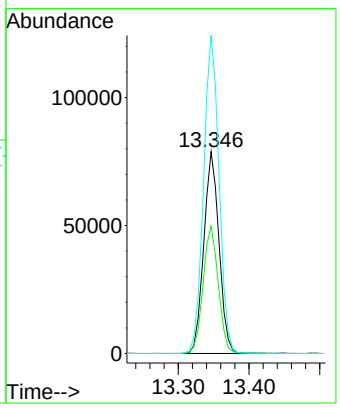


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020244.D
Acq: 11 Nov 2024 13:38

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Tgt Ion:152 Resp: 117809

Ion	Ratio	Lower	Upper
152	100		
115	63.0	28.2	84.7
150	160.1	0.0	345.6



Sample Results: **VY020244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020244.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	838	848	857	rBV2	22441	71738	4.40%	0.728%
2	7.634	957	970	976	rBV2	166913	407224	24.99%	4.130%
3	7.713	976	983	997	rVB	244679	580320	35.61%	5.885%
4	8.061	1028	1040	1051	rBV2	164571	383735	23.55%	3.892%
5	8.616	1121	1131	1146	rBV	450696	904787	55.53%	9.176%
6	10.103	1367	1375	1390	rBV	728351	1289938	79.16%	13.082%
7	10.298	1398	1407	1414	rVB2	16286	31053	1.91%	0.315%
8	10.451	1427	1432	1436	rVB3	10992	19009	1.17%	0.193%
9	10.512	1436	1442	1446	rBV2	17610	35319	2.17%	0.358%
10	10.731	1473	1478	1483	rBV	13978	20521	1.26%	0.208%
11	10.896	1497	1505	1509	rVV3	29008	69273	4.25%	0.703%
12	10.963	1512	1516	1520	rVV2	22568	37369	2.29%	0.379%
13	11.018	1520	1525	1530	rVV3	30544	57564	3.53%	0.584%
14	11.127	1537	1543	1548	rBV6	16254	34977	2.15%	0.355%
15	11.213	1548	1557	1567	rVB4	93613	233211	14.31%	2.365%
16	11.310	1567	1573	1578	rBV	62190	96946	5.95%	0.983%
17	11.414	1583	1590	1600	rVB	696111	1121646	68.84%	11.376%
18	11.517	1600	1607	1611	rBV	171651	283310	17.39%	2.873%
19	11.627	1616	1625	1635	rVV2	711384	1629443	100.00%	16.525%
20	11.706	1635	1638	1643	rVB3	39513	62992	3.87%	0.639%
21	11.950	1667	1678	1686	rBV	209868	439398	26.97%	4.456%
22	12.048	1690	1694	1698	rVV2	19534	27151	1.67%	0.275%
23	12.127	1703	1707	1710	rVV4	18044	32955	2.02%	0.334%
24	12.170	1710	1714	1723	rVB6	31340	66935	4.11%	0.679%
25	12.408	1747	1753	1764	rVB	484595	800856	49.15%	8.122%
26	12.566	1776	1779	1786	rVB6	14061	26413	1.62%	0.268%
27	12.645	1787	1792	1795	rBV5	9918	18097	1.11%	0.184%
28	12.731	1799	1806	1812	rVV2	84062	153171	9.40%	1.553%
29	12.786	1812	1815	1820	rVB6	11809	18221	1.12%	0.185%
30	12.962	1841	1844	1852	rVB8	20296	42465	2.61%	0.431%
31	13.212	1881	1885	1888	rBV4	10389	19705	1.21%	0.200%
32	13.346	1900	1907	1914	rBV	546463	821394	50.41%	8.330%
33	13.676	1955	1961	1965	rBV5	13937	23042	1.41%	0.234%

Sum of corrected areas: 9860178

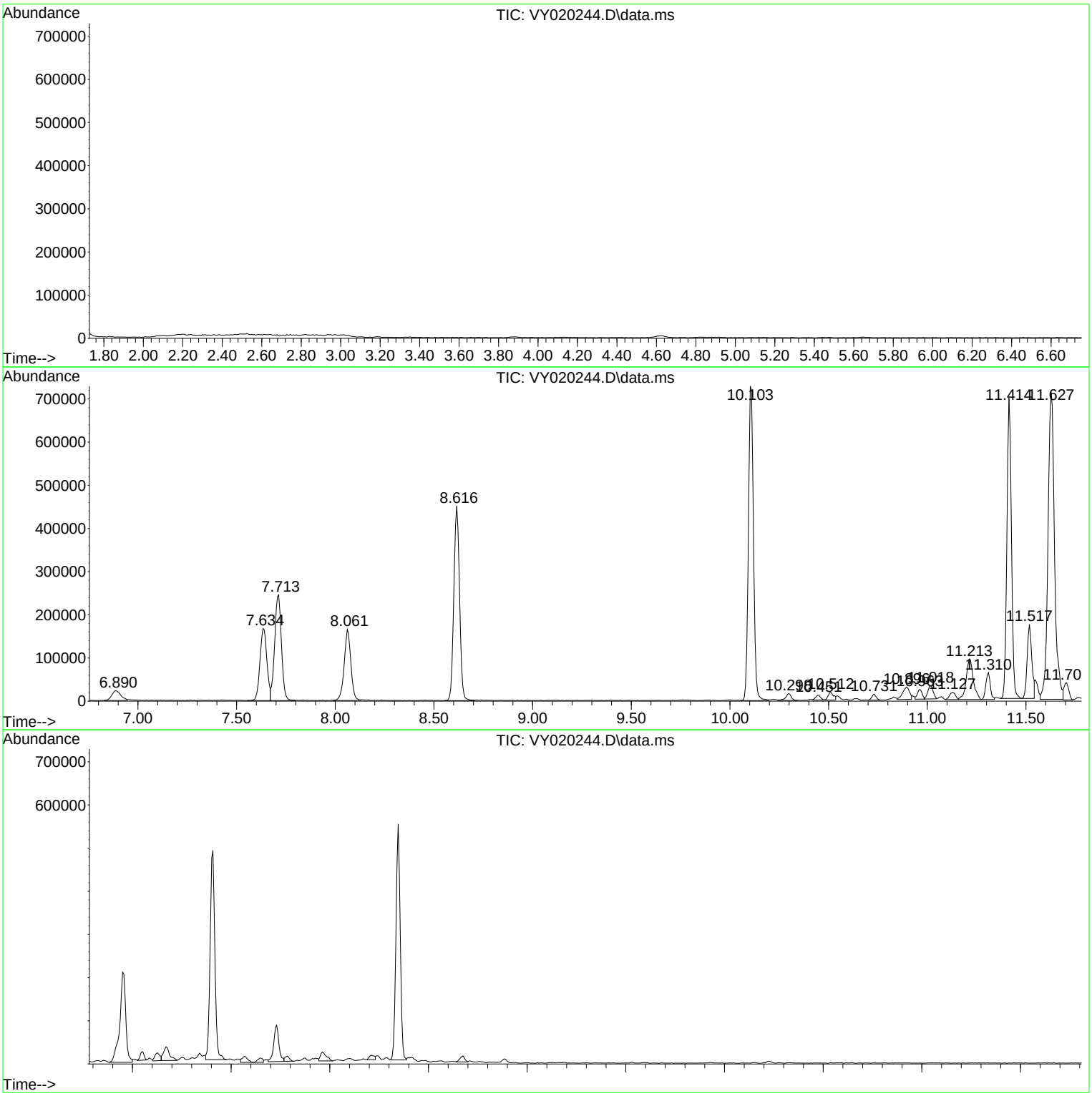
Sample Results: **VY020244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Sample Results: **VY020244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

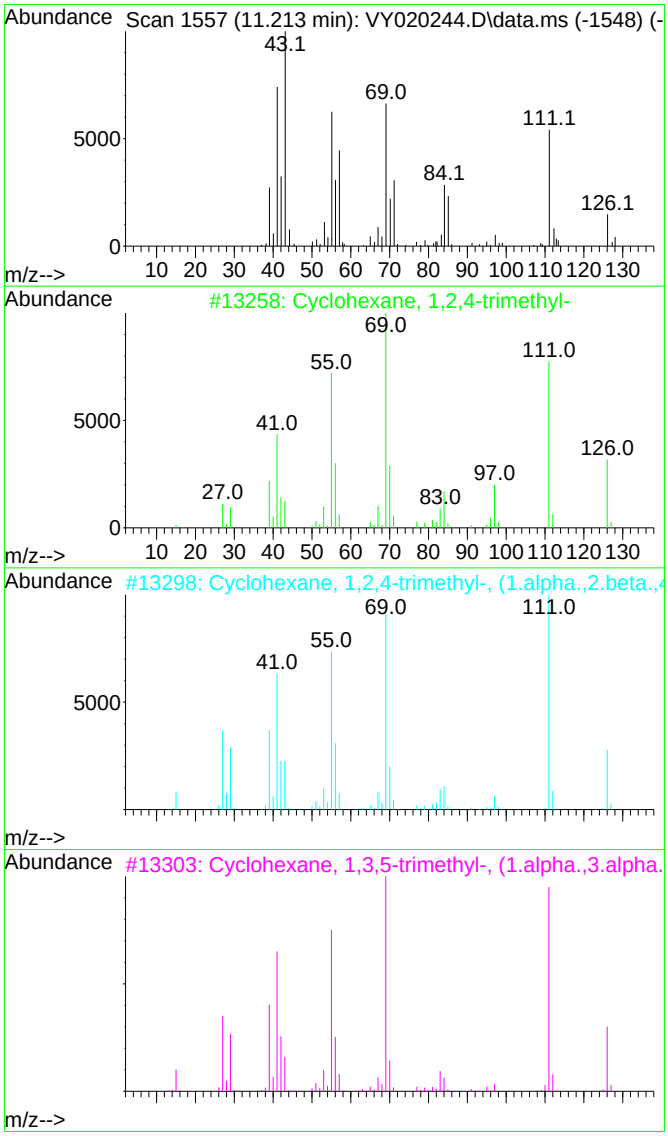
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

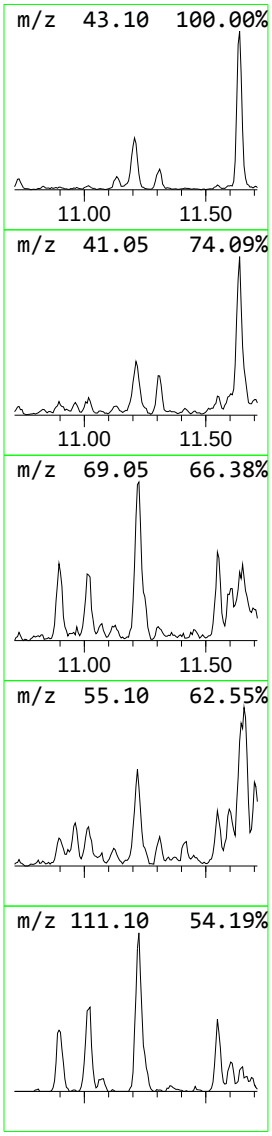
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 unknown11.213 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.213	10.40 ug/l	233211	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	38
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	30
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	27
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	25





Sample Results: **VY020244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

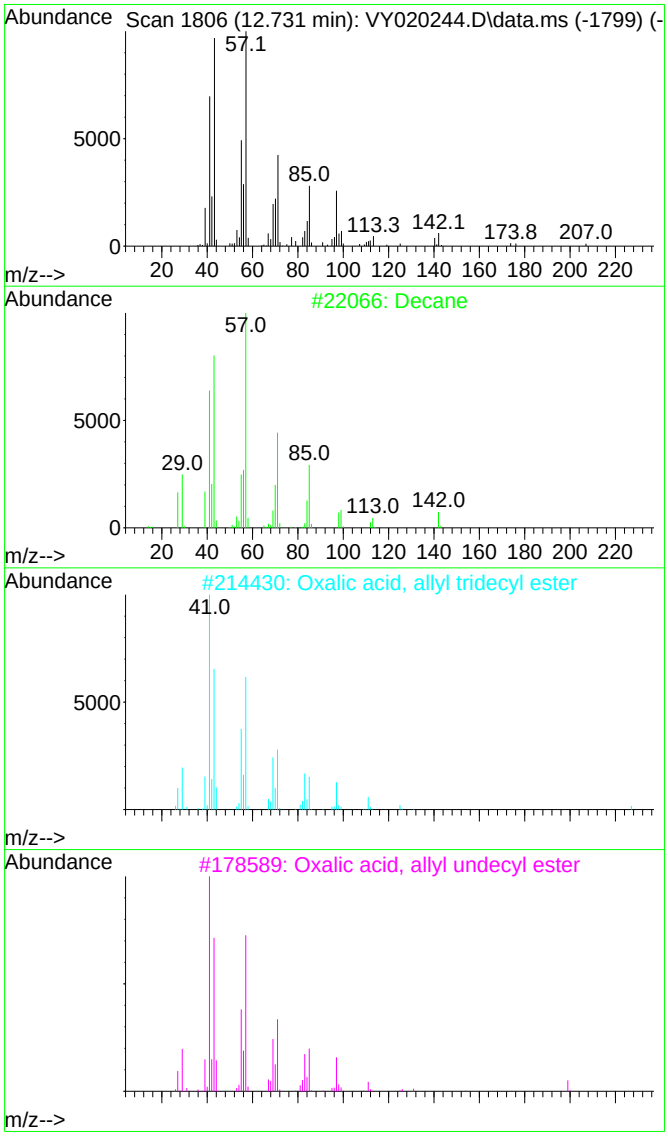
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

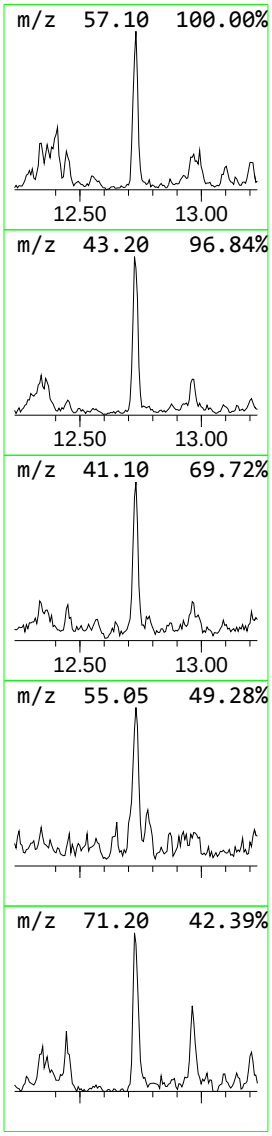
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Decane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	9.32 ug/l	153171	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	96
2	Oxalic acid, allyl tridecyl ester	312	C18H32O4	1000309-24-1	90
3	Oxalic acid, allyl undecyl ester	284	C16H28O4	1000309-23-9	90
4	Oxalic acid, allyl dodecyl ester	298	C17H30O4	1000309-24-0	64
5	Oxalic acid, allyl pentadecyl ester	340	C20H36O4	1000309-24-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020244.D
Acq On : 11 Nov 2024 13:38
Operator : SY/MD
Sample : P4768-02
Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
unknown11.213	11.213	10.4	ug/l	233211	3	11.414	1121650	50.0
Decane	12.731	9.3	ug/l	153171	4	13.346	821394	50.0

Raw Data: **VY020245.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	4.90	ug/Kg
67-64-1	Acetone	6.10	U	6.10	24.4	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	4.90	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.90	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.64	U	0.64	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	24.4	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg

Raw Data: **VY020245.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.4	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	0.77	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.90	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.90	ug/Kg
100-41-4	Ethyl Benzene	1.80	J	0.60	4.90	ug/Kg
179601-23-1	m/p-Xylenes	8.10	J	1.30	9.70	ug/Kg
95-47-6	o-Xylene	2.60	J	0.68	4.90	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.90	ug/Kg
75-25-2	Bromoform	0.79	U	0.79	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.78	U	0.78	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.57	U	0.57	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.713			
540-36-3	1,4-Difluorobenzene	391000	8.616			
3114-55-4	Chlorobenzene-d5	365000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.347			

Raw Data: **VY020245.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.8
Sample Wt/Vol:	5.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020245.D	1		11/11/24 14:02	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Quant Time: Nov 11 23:15:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	182592	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	390717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	129893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137074	60.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.300%			
35) Dibromofluoromethane	7.634	113	131426	52.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.820%			
50) Toluene-d8	10.103	98	491574	49.713	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.408	95	155673	48.469	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.940%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.518	91	26823	1.846	ug/l	93
68) m/p-Xylenes	11.621	106	44242	8.320	ug/l	92
69) o-Xylene	11.957	106	13266	2.635	ug/l	84

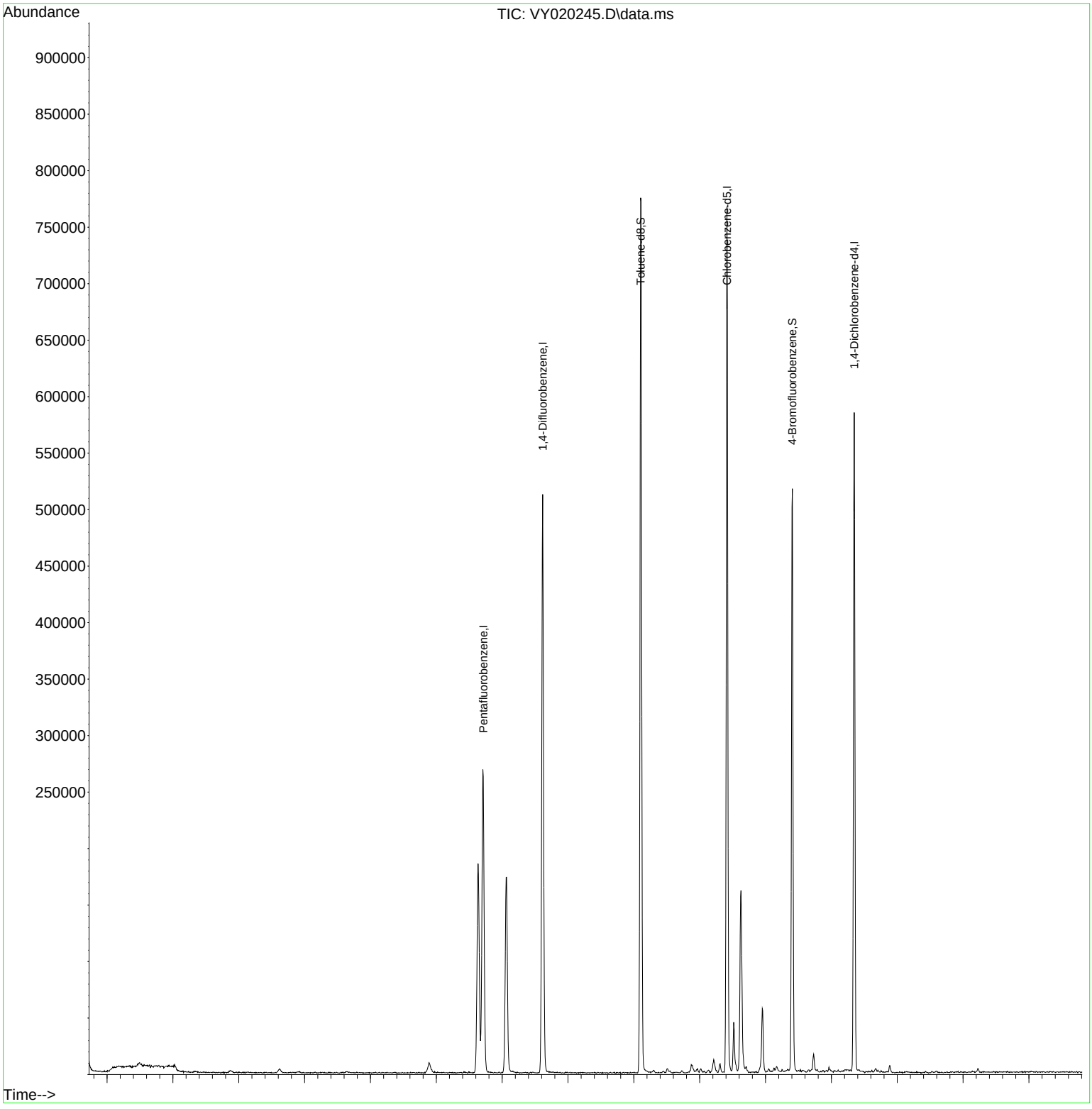
(#) = qualifier out of range (m) = manual integration (+) = signals summed

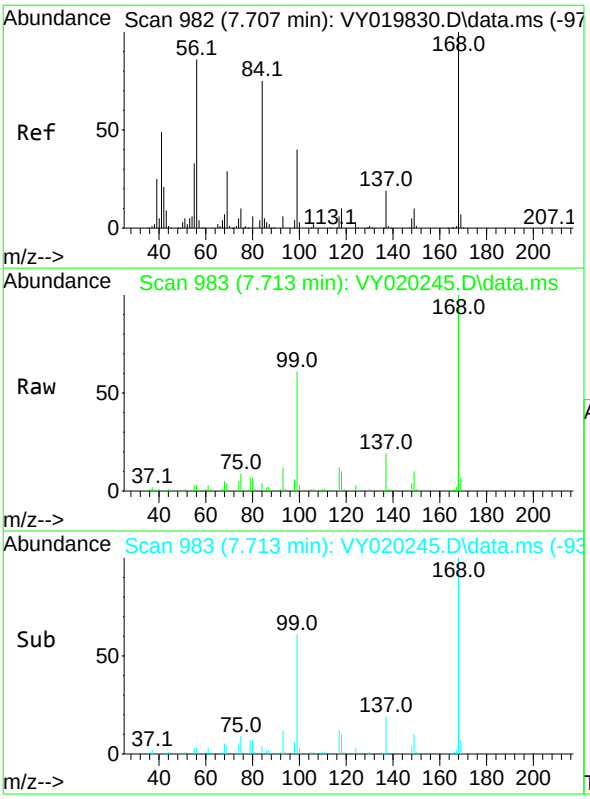
Sample Results: **VY020245.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Quant Time: Nov 11 23:15:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



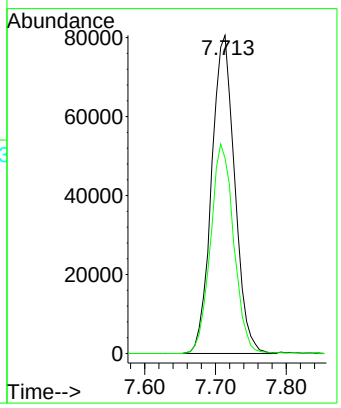


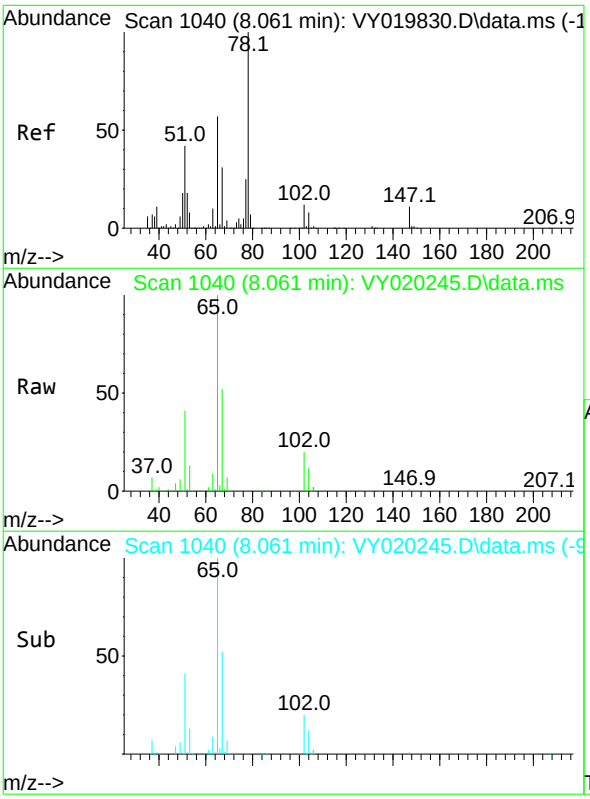
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Tgt Ion:168 Resp: 182592

Ion	Ratio	Lower	Upper
168	100		
99	61.4	39.1	58.7#

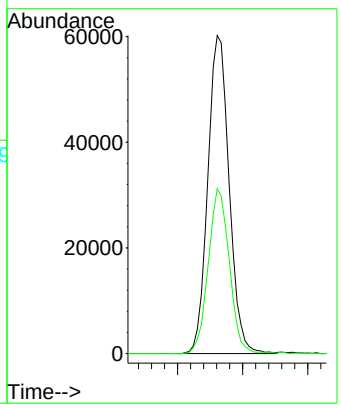


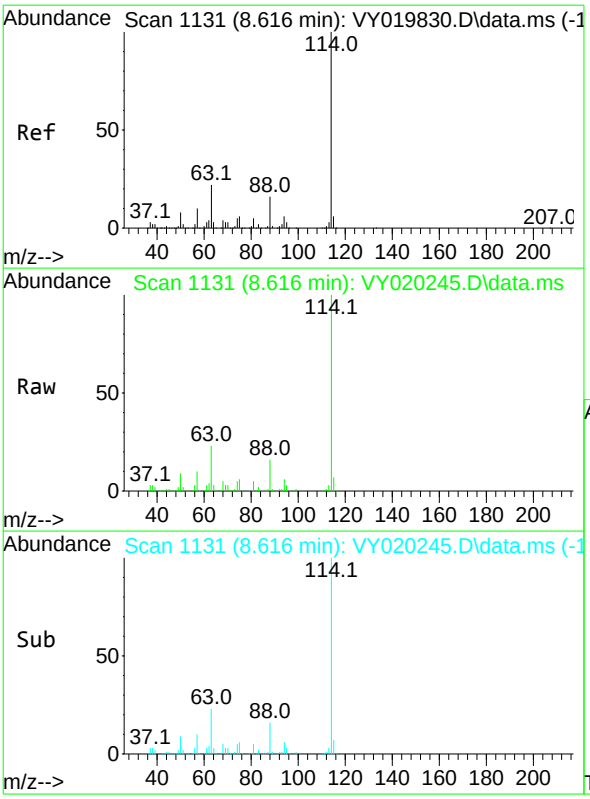


#33
1,2-Dichloroethane-d4
Concen: 60.150 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Tgt Ion: 65 Resp: 137074

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	109.6



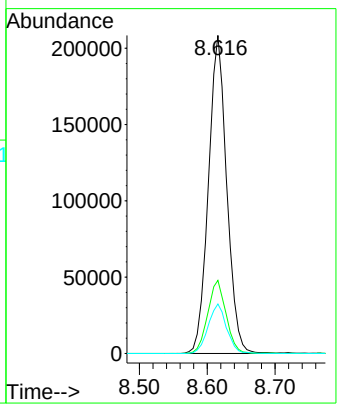


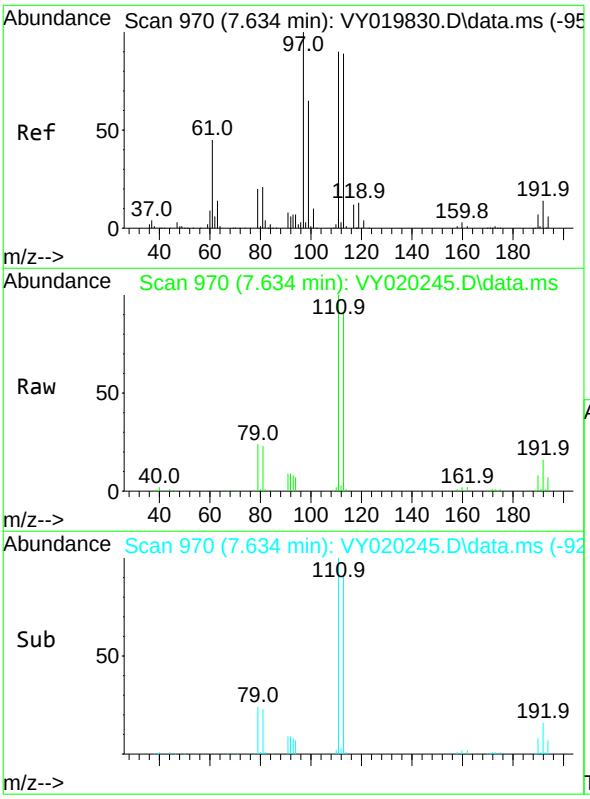
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Tgt Ion:114 Resp: 390717

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	35.0
88	15.6	0.0	27.2

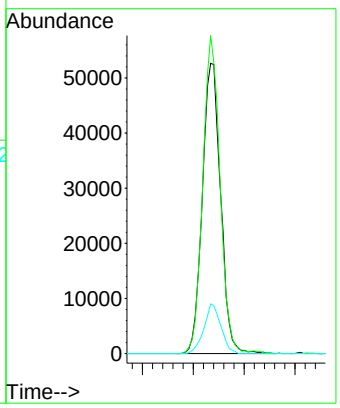


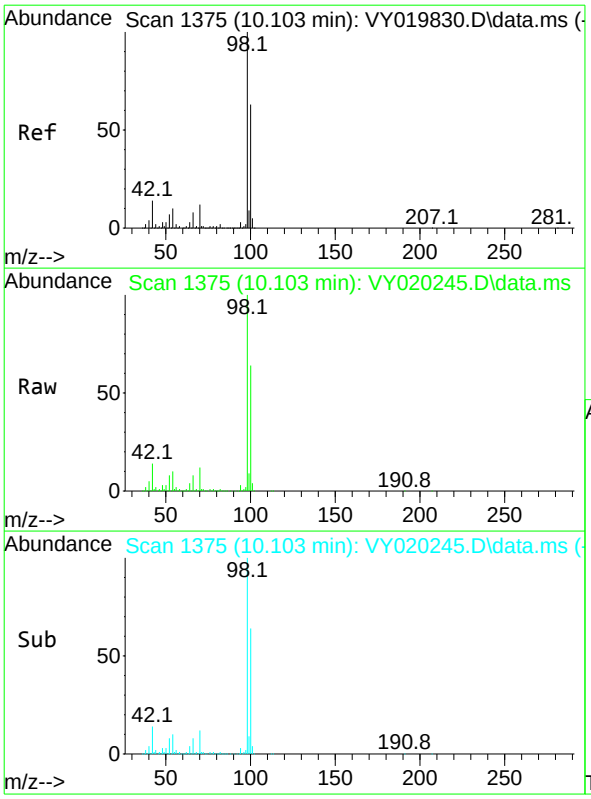


#35
Dibromofluoromethane
Concen: 52.906 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Tgt Ion:113 Resp: 131426

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	15.9	15.9	23.9#



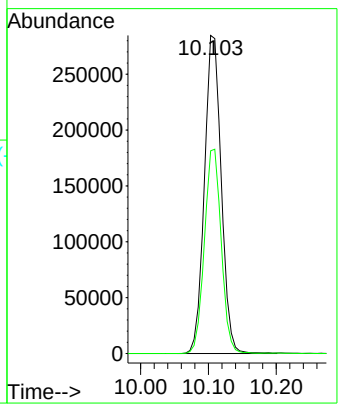


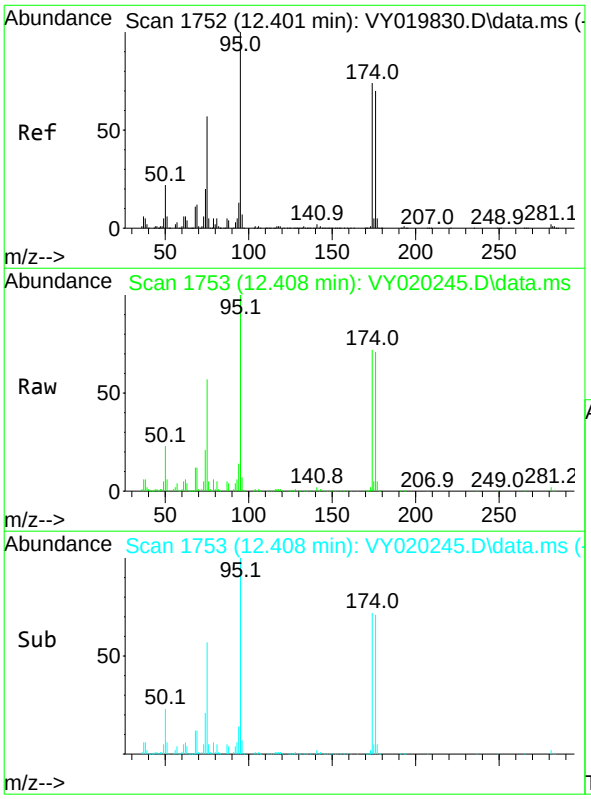
#50
Toluene-d8
Concen: 49.713 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Tgt Ion: 98 Resp: 491574

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

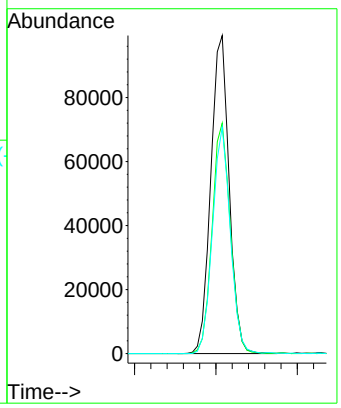


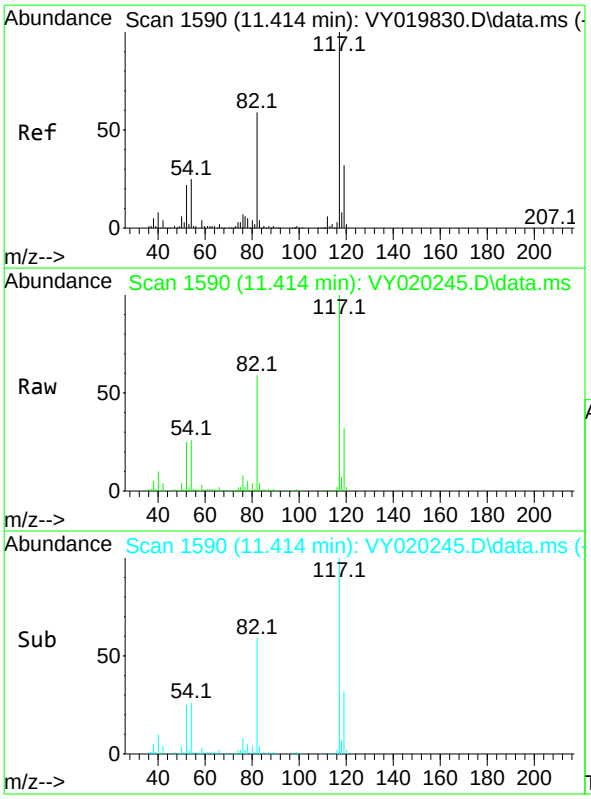


#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Tgt Ion: 95 Resp: 155673

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	175.6
176	69.3	0.0	171.4



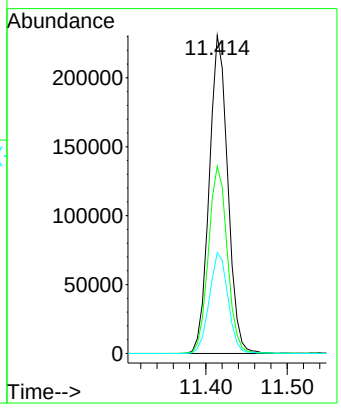


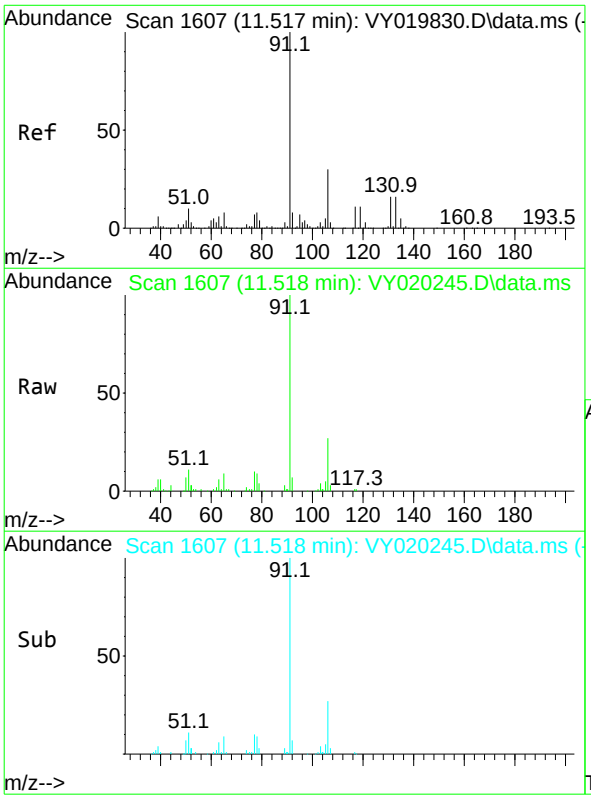
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Tgt Ion:117 Resp: 364887

Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	31.7	25.9	38.9

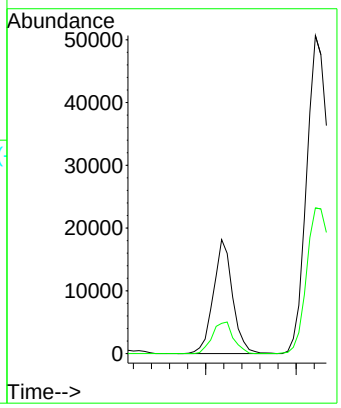


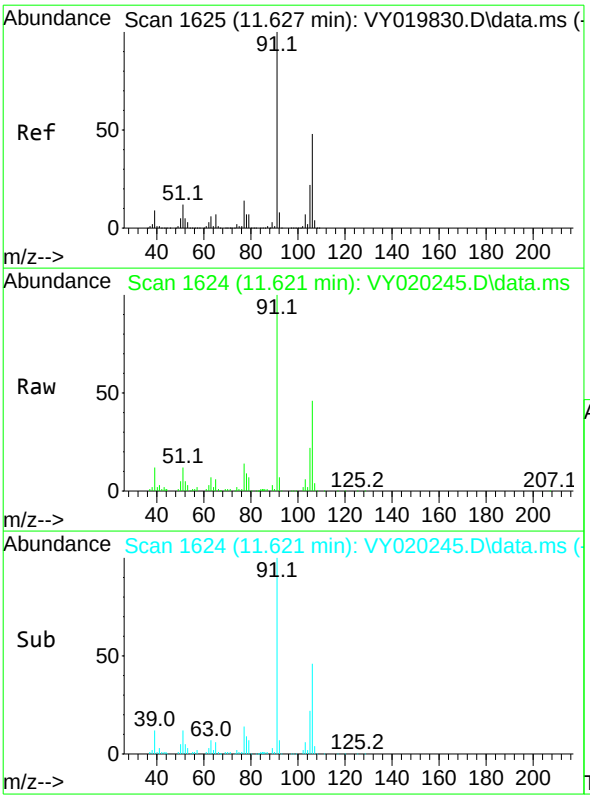


#67
Ethyl Benzene
Concen: 1.846 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Tgt Ion: 91 Resp: 26823

Ion	Ratio	Lower	Upper
91	100		
106	26.5	24.5	36.7



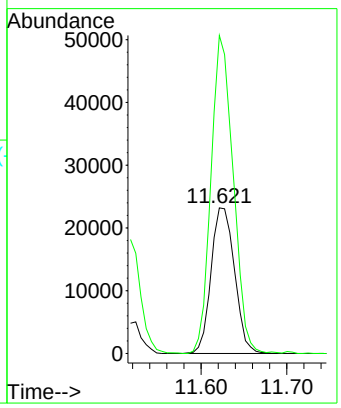


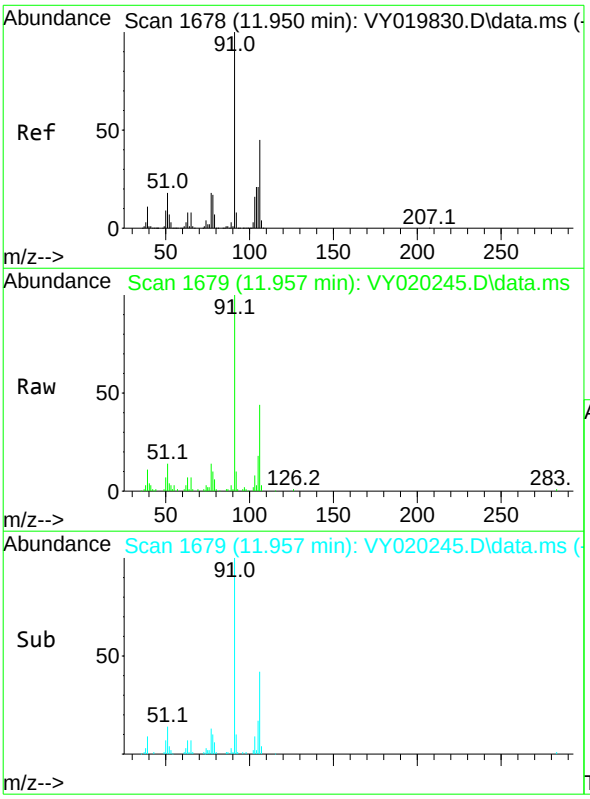
#68
m/p-Xylenes
Concen: 8.320 ug/l
RT: 11.621 min Scan# 16
Delta R.T. -0.012 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Tgt Ion:106 Resp: 44242

Ion	Ratio	Lower	Upper
106	100		
91	206.7	156.0	234.0

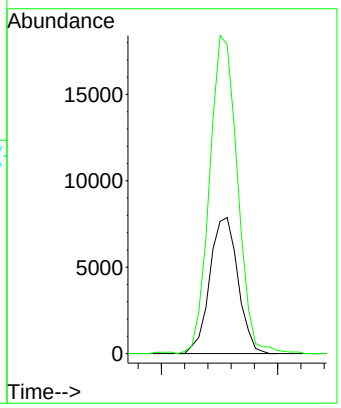


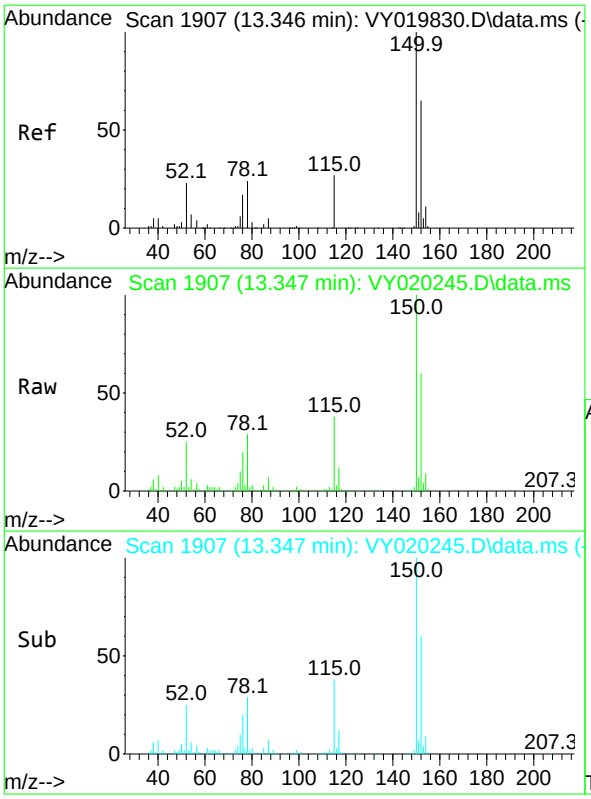


#69
o-Xylene
Concen: 2.635 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Tgt Ion:106 Resp: 13266

Ion	Ratio	Lower	Upper
106	100		
91	231.8	103.6	310.8



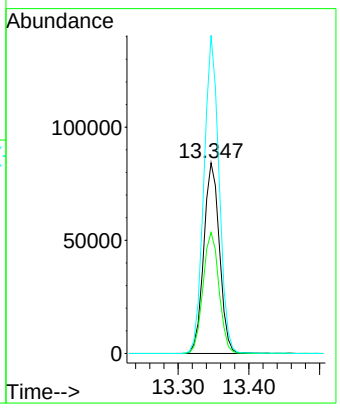


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020245.D
Acq: 11 Nov 2024 14:02

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Tgt Ion:152 Resp: 129893

Ion	Ratio	Lower	Upper
152	100		
115	64.4	28.2	84.7
150	160.6	0.0	345.6



Sample Results: **VY020245.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020245.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	838	848	854	rBV	9289	27243	1.99%	0.370%
2	7.634	961	970	976	rBV2	184855	446223	32.63%	6.060%
3	7.707	976	982	995	rVB	268068	617459	45.15%	8.386%
4	8.067	1031	1041	1052	rBV	173086	399586	29.22%	5.427%
5	8.616	1122	1131	1143	rBV	512053	976244	71.39%	13.258%
6	10.103	1367	1375	1389	rBV	774755	1367500	100.00%	18.572%
7	11.213	1549	1557	1567	rVB7	11347	27461	2.01%	0.373%
8	11.414	1583	1590	1602	rBV	766039	1223564	89.47%	16.617%
9	11.518	1602	1607	1616	rVB	43039	70315	5.14%	0.955%
10	11.627	1616	1625	1635	rBV	159669	337842	24.71%	4.588%
11	11.950	1665	1678	1687	rBV	56685	109518	8.01%	1.487%
12	12.408	1744	1753	1764	rVB	515872	833670	60.96%	11.322%
13	12.731	1802	1806	1812	rVB4	14478	22796	1.67%	0.310%
14	13.347	1900	1907	1916	rBV	582992	903855	66.10%	12.275%

Sum of corrected areas: 7363276

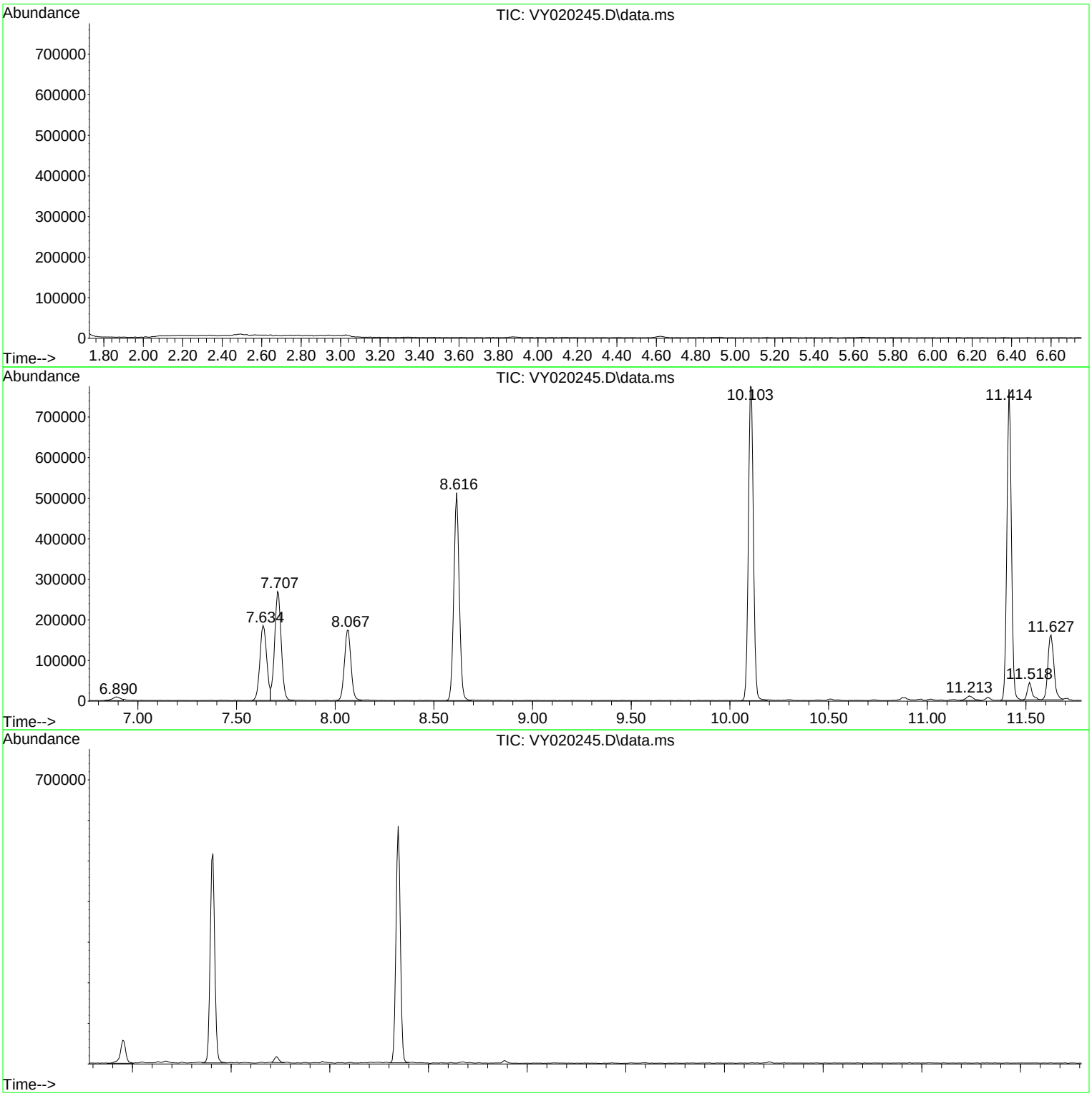
Sample Results: **VY020245.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020245.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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\VY111124\
Data File : VY020245.D
Acq On : 11 Nov 2024 14:02
Operator : SY/MD
Sample : P4768-03
Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-3-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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: **VY020246.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020246.D	1		11/11/24 14:25	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.95	U	0.95	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.82	U	0.82	5.20	ug/Kg
67-64-1	Acetone	6.50	U	6.50	26.1	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.70	U	0.70	5.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.20	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	5.20	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	5.20	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	26.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.64	U	0.64	5.20	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	5.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.82	U	0.82	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.20	ug/Kg
71-43-2	Benzene	0.75	U	0.75	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	5.20	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	26.1	ug/Kg
108-88-3	Toluene	0.70	U	0.70	5.20	ug/Kg

Raw Data: **VY020246.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020246.D	1		11/11/24 14:25	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.63	U	0.63	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.88	U	0.88	5.20	ug/Kg
591-78-6	2-Hexanone	5.00	U	5.00	26.1	ug/Kg
124-48-1	Dibromochloromethane	0.68	U	0.68	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	5.20	ug/Kg
127-18-4	Tetrachloroethene	0.93	U	0.93	5.20	ug/Kg
108-90-7	Chlorobenzene	0.77	U	0.77	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.65	U	0.65	5.20	ug/Kg
179601-23-1	m/p-Xylenes	3.00	J	1.40	10.5	ug/Kg
95-47-6	o-Xylene	0.73	U	0.73	5.20	ug/Kg
100-42-5	Styrene	0.63	U	0.63	5.20	ug/Kg
75-25-2	Bromoform	0.85	U	0.85	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.70	U	0.70	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.77	U	0.77	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.62	U	0.62	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.83	U	0.83	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.82	U	0.82	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	34.0		50 - 163	68%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		54 - 147	98%	SPK: 50
2037-26-5	Toluene-d8	41.5		58 - 134	83%	SPK: 50
460-00-4	4-Bromofluorobenzene	23.0		29 - 146	46%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	20700	7.713			
540-36-3	1,4-Difluorobenzene	32900	8.616			
3114-55-4	Chlorobenzene-d5	20200	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	3940	13.353			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020246.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.1
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020246.D	1		11/11/24 14:25	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.092	5.30	J		2.09	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\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Quant Time: Nov 11 23:15:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	20694	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	32857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	20158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	3939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	8776	33.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 67.960%			
35) Dibromofluoromethane	7.640	113	10217	48.908	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.820%			
50) Toluene-d8	10.109	98	34537	41.534	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 83.060%			
62) 4-Bromofluorobenzene	12.408	95	6205	22.974	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 45.940%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	833	2.836	ug/l	# 62

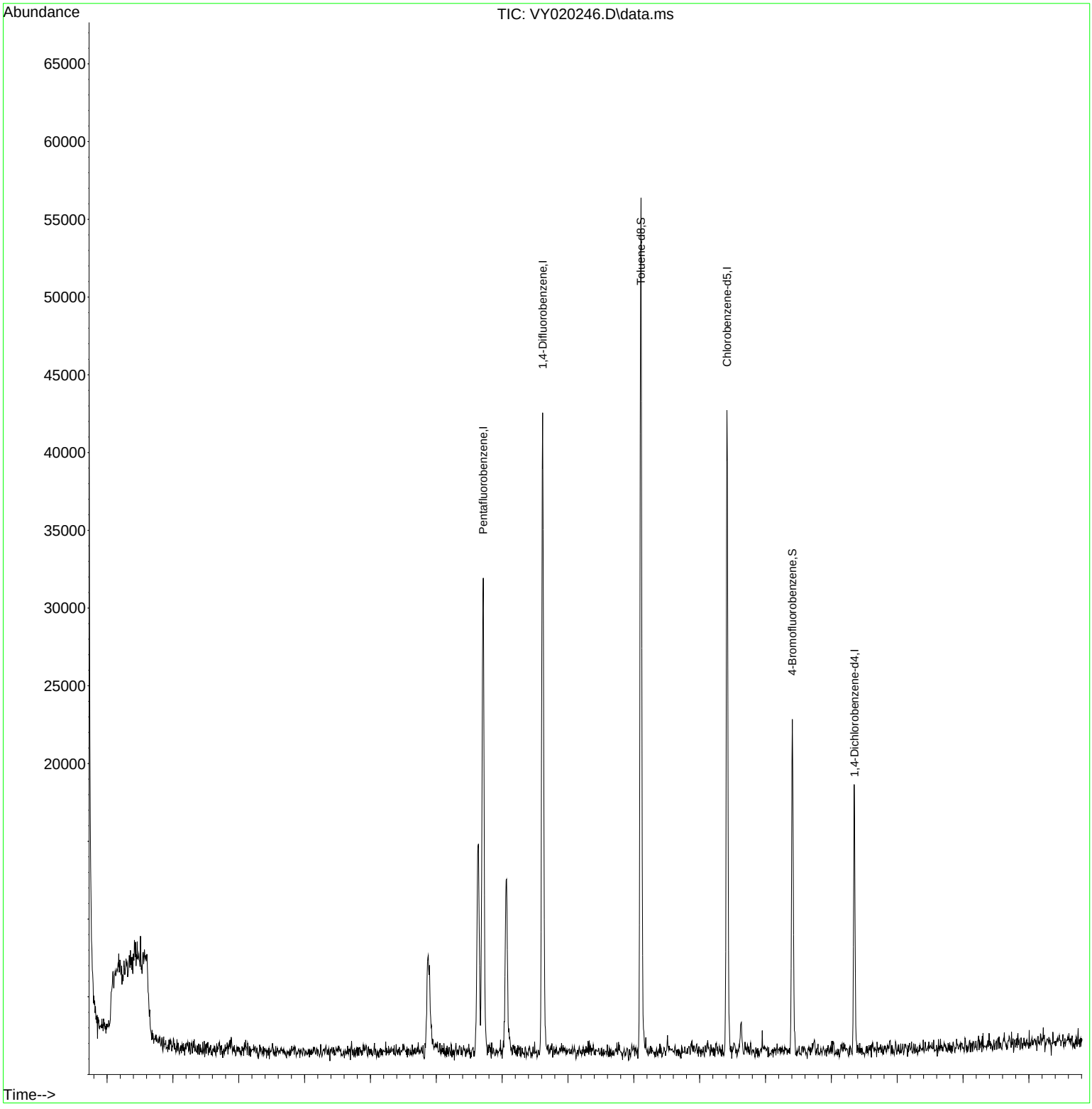
(#) = qualifier out of range (m) = manual integration (+) = signals summed

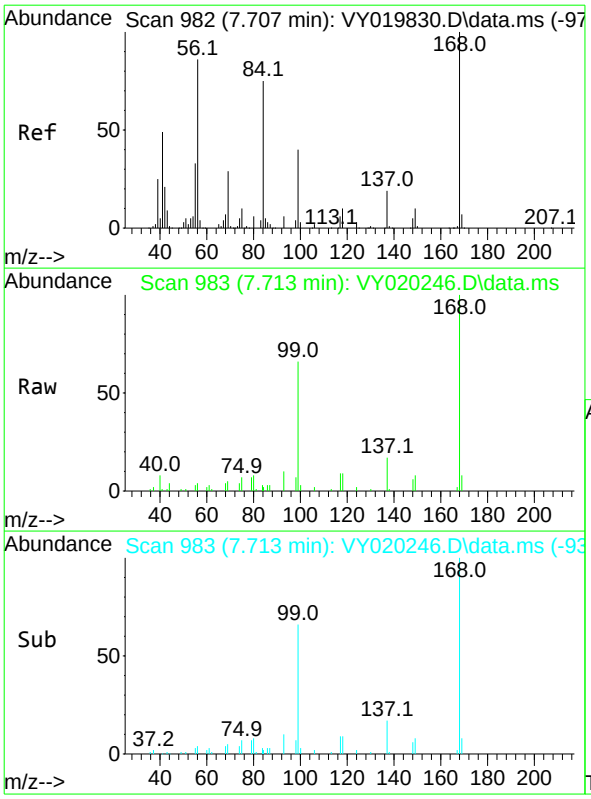
Sample Results: **VY020246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Quant Time: Nov 11 23:15:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



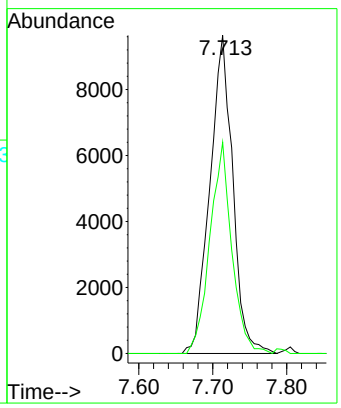


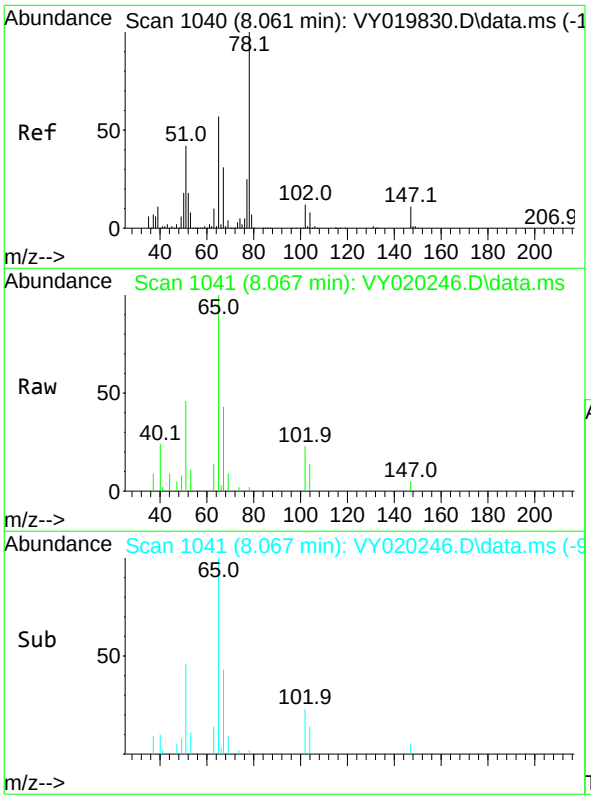
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:168 Resp: 20694

Ion	Ratio	Lower	Upper
168	100		
99	66.4	39.1	58.7#

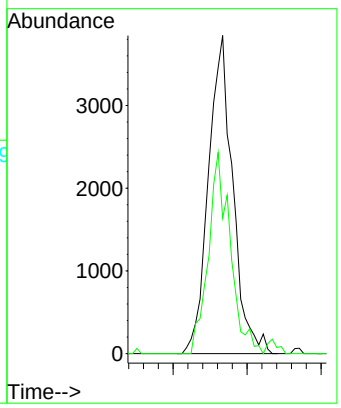


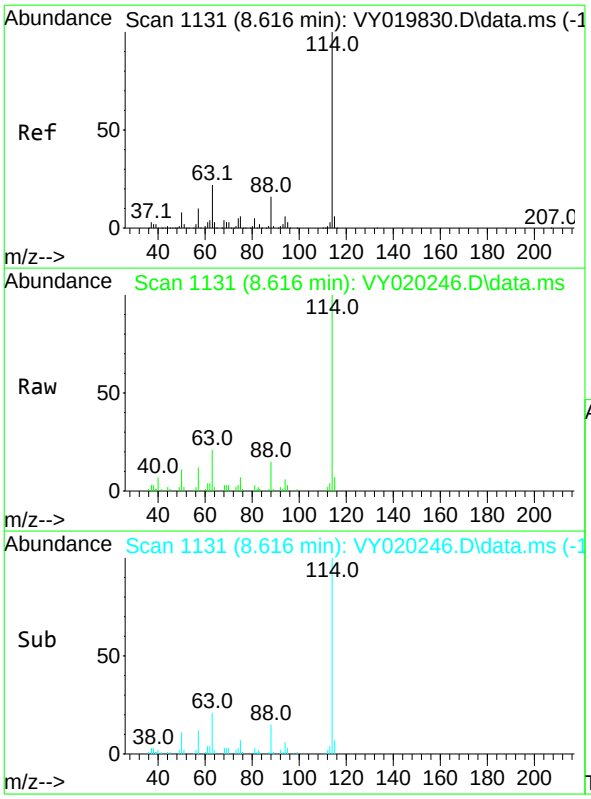


#33
1,2-Dichloroethane-d4
Concen: 33.979 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Tgt Ion: 65 Resp: 8776

Ion	Ratio	Lower	Upper
65	100		
67	56.9	0.0	109.6



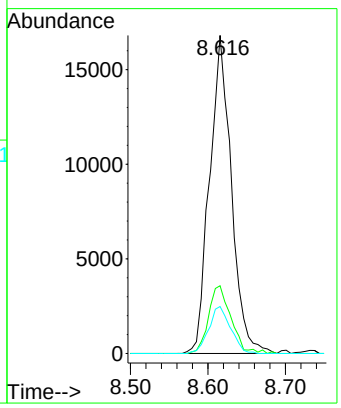


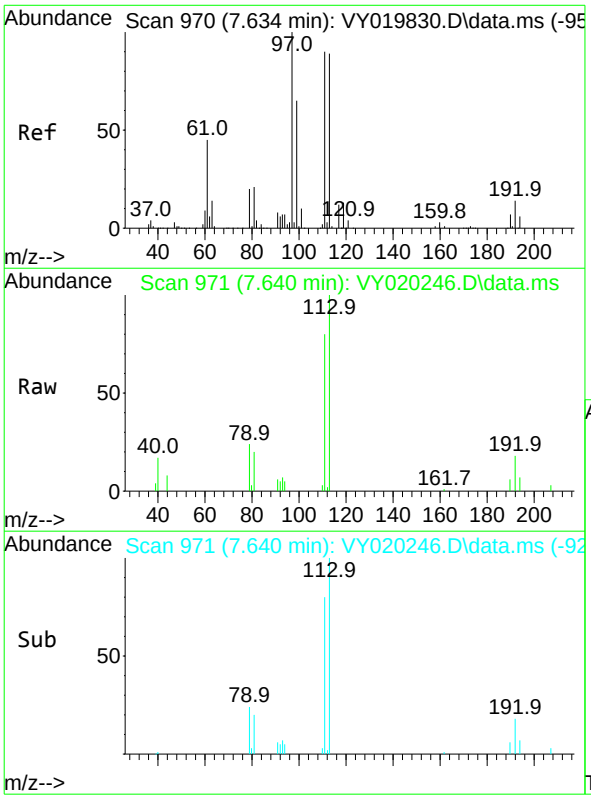
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:114 Resp: 32857

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	35.0
88	14.8	0.0	27.2

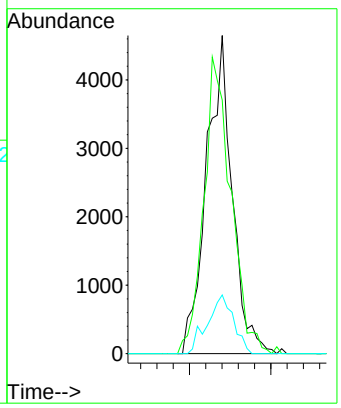


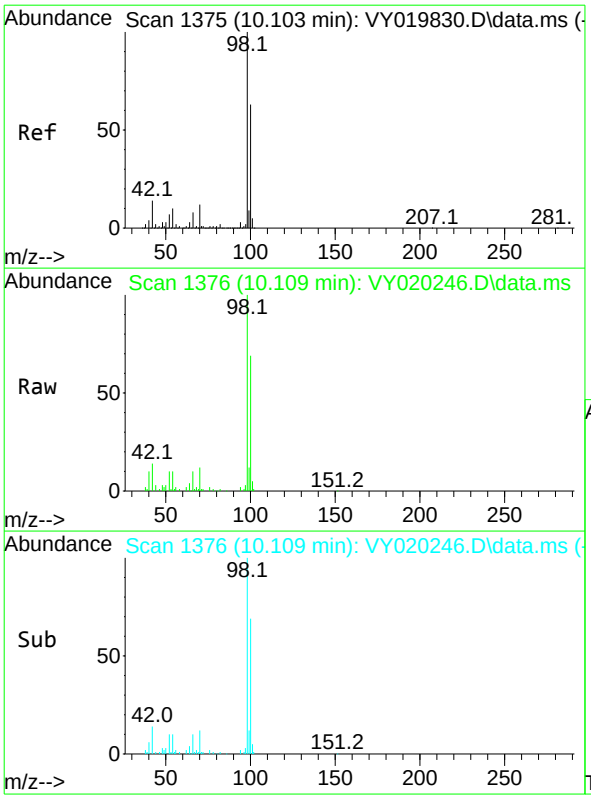


#35
Dibromofluoromethane
Concen: 48.908 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Tgt Ion:113 Resp: 10217

Ion	Ratio	Lower	Upper
113	100		
111	98.1	82.2	123.4
192	18.7	15.9	23.9



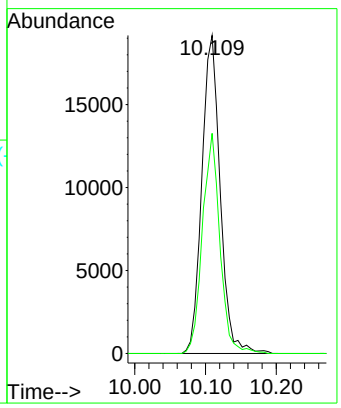


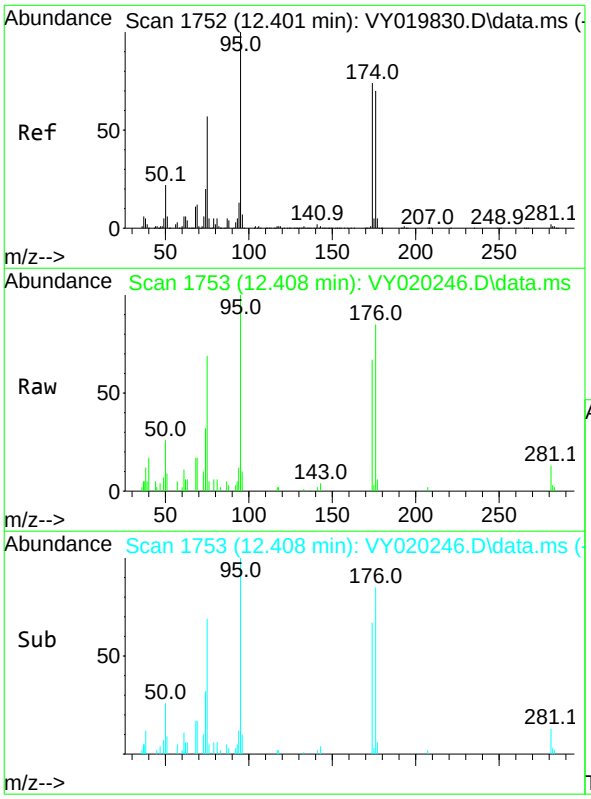
#50
Toluene-d8
Concen: 41.534 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion: 98 Resp: 34537

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.0	78.0

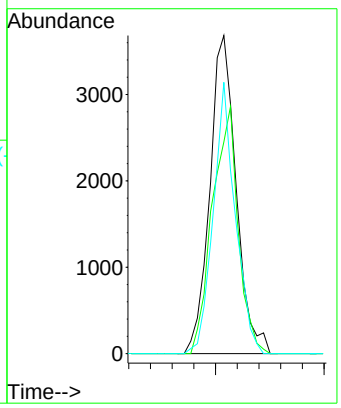


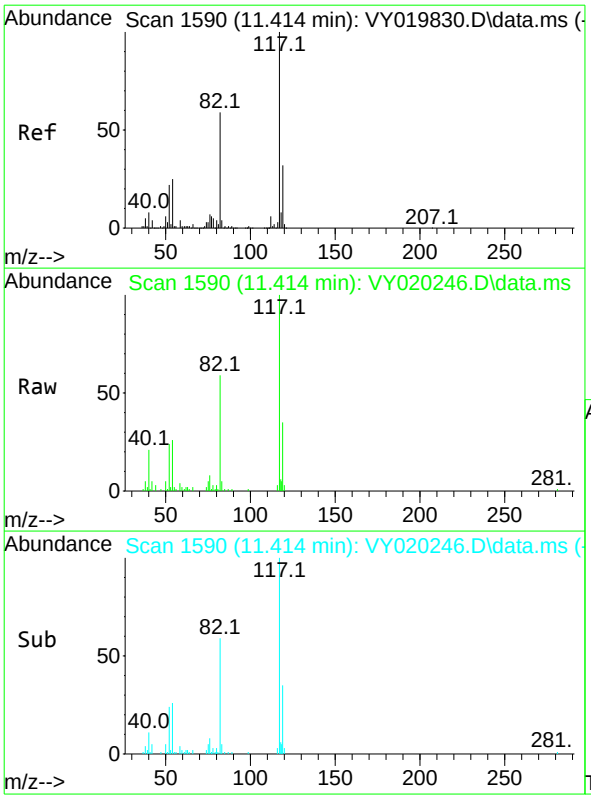


#62
4-Bromofluorobenzene
Concen: 22.974 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Tgt Ion: 95 Resp: 6205

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	175.6
176	71.4	0.0	171.4



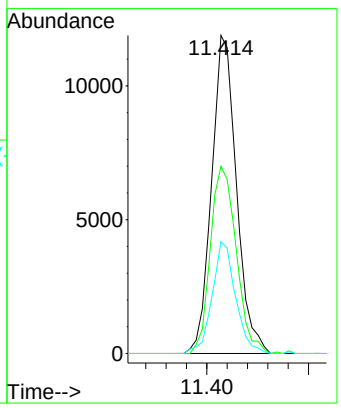


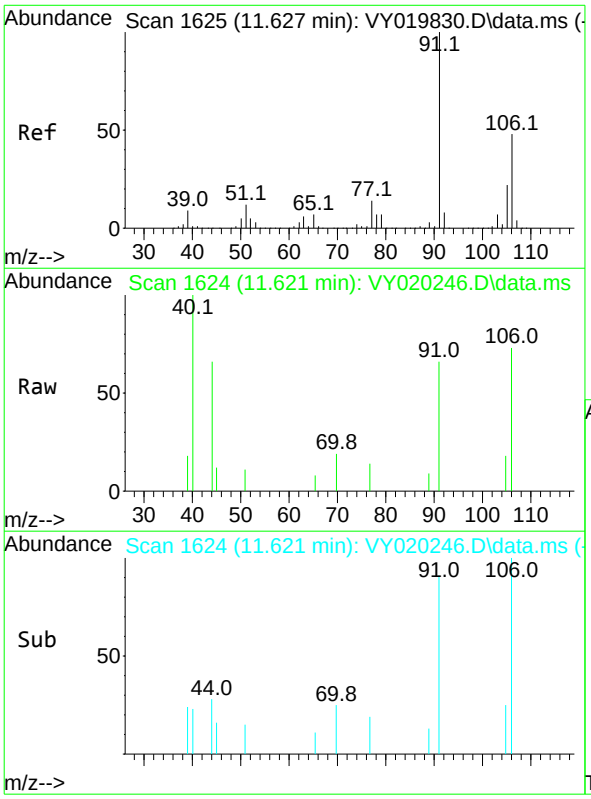
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:117 Resp: 20158

Ion	Ratio	Lower	Upper
117	100		
82	58.8	42.4	63.6
119	35.2	25.9	38.9

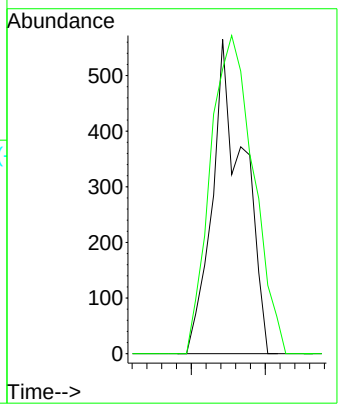


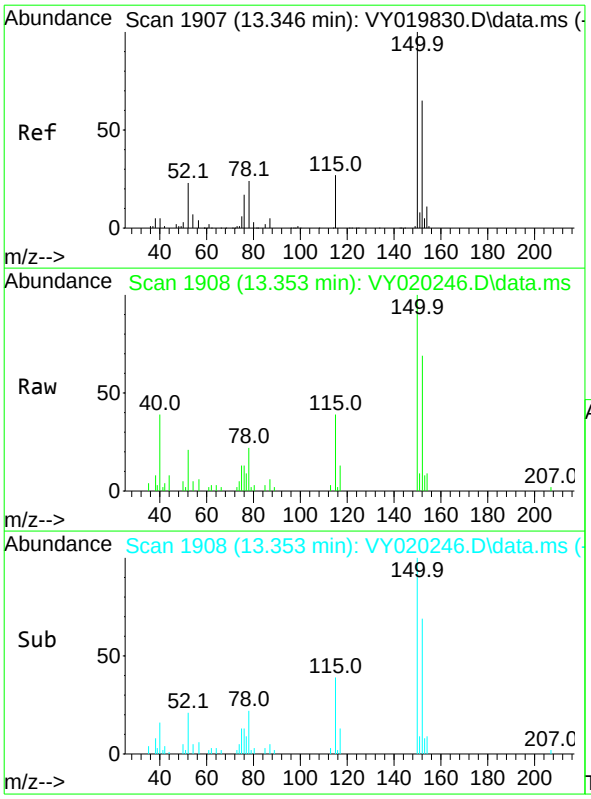


#68
m/p-Xylenes
Concen: 2.836 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Tgt Ion:106 Resp: 833

Ion	Ratio	Lower	Upper
106	100		
91	138.8	156.0	234.0#



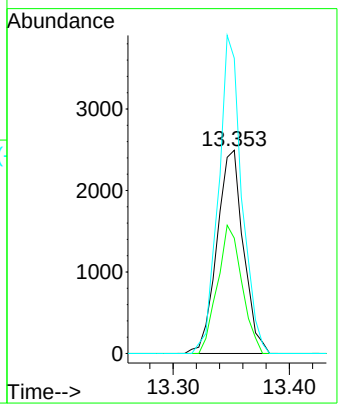


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 19
Delta R.T. 0.006 min
Lab File: VY020246.D
Acq: 11 Nov 2024 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Tgt Ion:152 Resp: 3939

Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.2	84.7
150	138.6	0.0	345.6



Sample Results: **VY020246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020246.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.861	22	23	27	rBV2	1381	1820	1.78%	0.341%
2	1.946	36	37	43	rVB	943	1315	1.29%	0.247%
3	2.092	53	61	62	rBV4	3356	7016	6.88%	1.316%
4	2.123	62	66	67	rVV4	1140	1614	1.58%	0.303%
5	2.257	86	88	90	rBV2	1304	1284	1.26%	0.241%
6	2.397	110	111	113	rBV2	1296	1159	1.14%	0.217%
7	2.416	113	114	116	rVV2	1418	1117	1.09%	0.210%
8	2.507	128	129	133	rVB	2419	1506	1.48%	0.283%
9	2.550	133	136	137	rBV2	1371	1522	1.49%	0.286%
10	3.708	322	326	328	rVB4	819	1034	1.01%	0.194%
11	3.738	328	331	334	rVB3	815	1023	1.00%	0.192%
12	3.867	347	352	353	rBV5	941	1297	1.27%	0.243%
13	3.885	353	355	358	rVV4	1151	1224	1.20%	0.230%
14	5.714	652	655	657	rBV2	1225	1279	1.25%	0.240%
15	6.878	836	846	848	rBV2	6655	16160	15.84%	3.032%
16	7.299	911	915	917	rBV2	1113	1505	1.48%	0.282%
17	7.561	951	958	959	rBV3	712	1335	1.31%	0.250%
18	7.640	961	971	976	rVV3	13716	35422	34.72%	6.645%
19	7.713	976	983	993	rVB	30726	69079	67.71%	12.959%
20	7.811	996	999	1003	rVB3	874	1309	1.28%	0.246%
21	8.018	1030	1033	1034	rBV	1157	1076	1.05%	0.202%
22	8.067	1034	1041	1046	rBV3	10815	24884	24.39%	4.668%
23	8.414	1095	1098	1102	rVB3	755	1158	1.14%	0.217%
24	8.616	1122	1131	1142	rBV	41304	84977	83.29%	15.942%
25	9.097	1206	1210	1214	rVB3	807	1342	1.32%	0.252%
26	9.896	1336	1341	1345	rVB	795	1591	1.56%	0.298%
27	10.109	1368	1376	1386	rBV	55361	102020	100.00%	19.139%
28	10.884	1498	1503	1506	rBV3	888	1448	1.42%	0.272%
29	11.121	1539	1542	1548	rVB3	968	1678	1.64%	0.315%
30	11.255	1560	1564	1565	rBV3	887	1167	1.14%	0.219%
31	11.414	1582	1590	1600	rBV	41496	72292	70.86%	13.562%
32	11.518	1602	1607	1612	rBV6	1013	2636	2.58%	0.495%
33	11.633	1619	1626	1632	rVB6	2063	4396	4.31%	0.825%
34	12.408	1747	1753	1762	rVB3	21596	39726	38.94%	7.453%
35	12.658	1790	1794	1796	rBV3	763	1250	1.23%	0.234%
36	12.743	1804	1808	1811	rVB3	987	1615	1.58%	0.303%

Sample Results: **VY020246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

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\82Y103024S.M
Title : SW846 8260

37	13.023	1853	1854	1858	rVB3	911	1086	1.06%	0.204%
38	13.347	1902	1907	1914	rVV2	17355	26318	25.80%	4.937%
39	13.627	1950	1953	1956	rBV2	962	1588	1.56%	0.298%
40	13.694	1963	1964	1968	rBV2	981	1089	1.07%	0.204%
41	13.895	1994	1997	1999	rVB3	848	1039	1.02%	0.195%
42	14.627	2114	2117	2120	rBV3	1101	1238	1.21%	0.232%
43	14.852	2150	2154	2158	rBV3	730	1158	1.14%	0.217%
44	15.303	2225	2228	2229	rBV2	1226	1052	1.03%	0.197%
45	15.627	2275	2281	2285	rBV6	1076	1894	1.86%	0.355%
46	15.791	2304	2308	2309	rBV2	834	1077	1.06%	0.202%
47	16.139	2362	2365	2367	rBV3	947	1099	1.08%	0.206%
48	16.279	2382	2388	2391	rBV5	858	2137	2.09%	0.401%

Sum of corrected areas: 533051

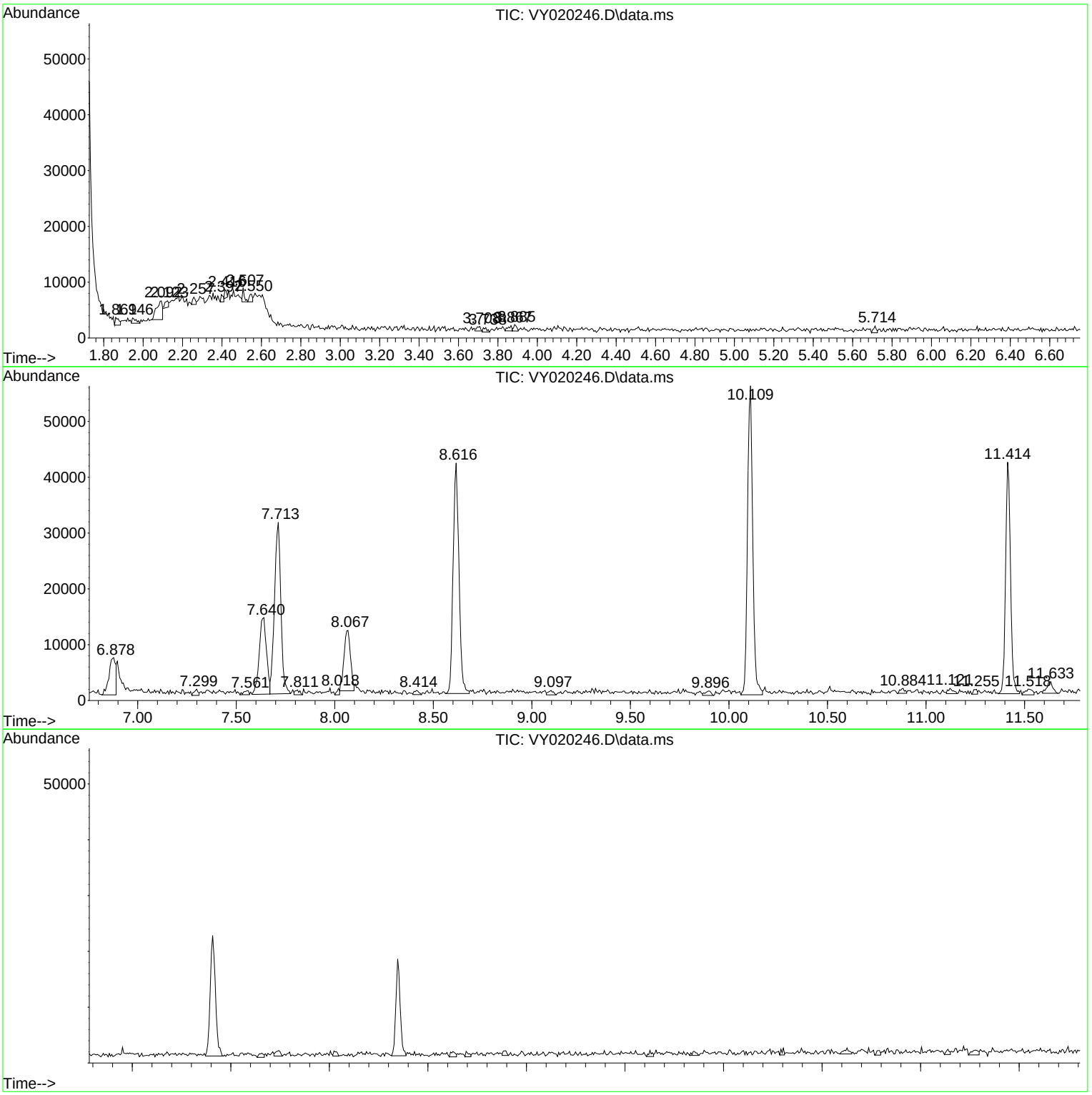
Sample Results: **VY020246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Sample Results: **VY020246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

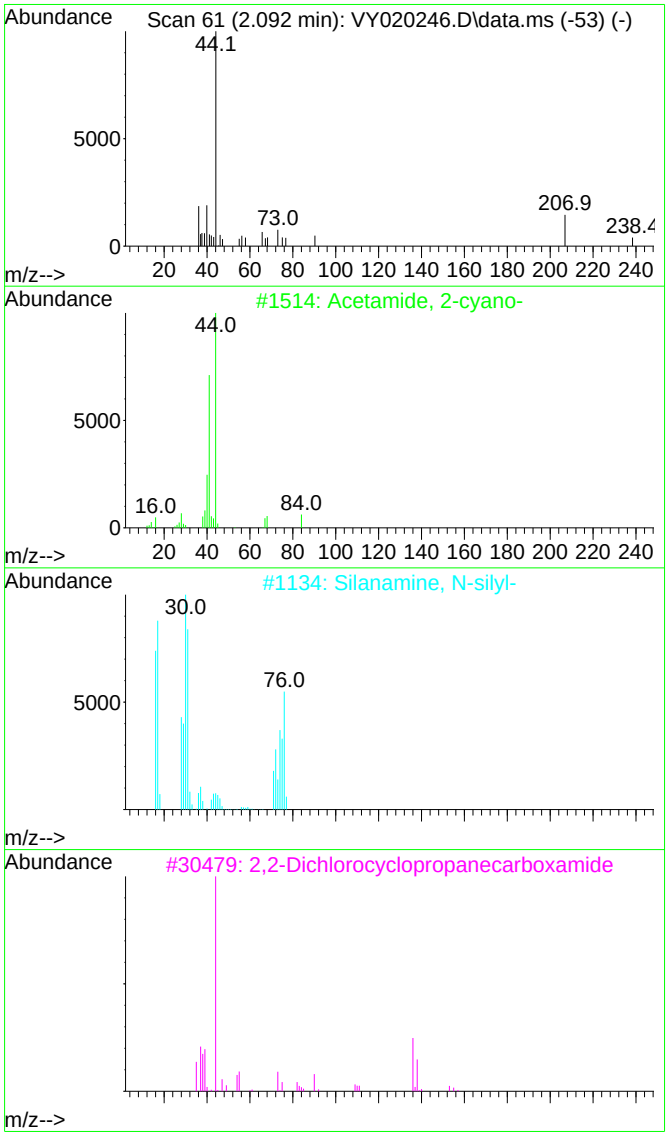
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

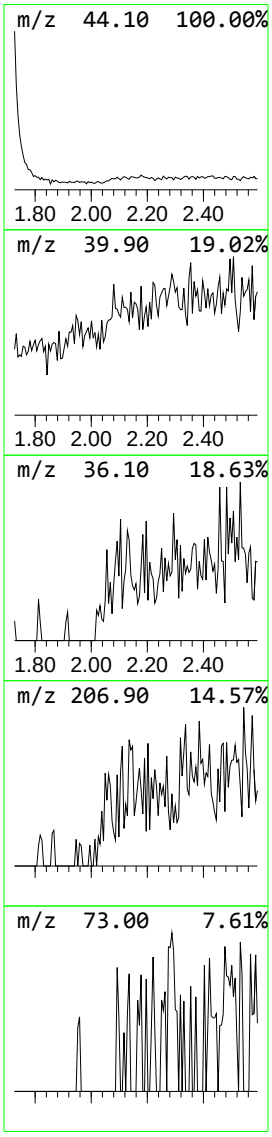
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown2.092 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.092	5.08 ug/l	7016	Pentafluorobenzene	7.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, 2-cyano-	84	C3H4N2O	000107-91-5	25
2	Silanamine, N-silyl-	77	H7NSi2	005702-11-4	9
3	2,2-Dichlorocyclopropanecarboxamide	153	C4H5Cl2NO	075885-60-8	9
4	5H-Thiazolo[3,2-a]pyrimidine-7-c...	196	C7H4N2O3S	1000337-52-3	9
5	(R)-(-)-2-Amino-1-propanol	75	C3H9NO	035320-23-1	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020246.D
Acq On : 11 Nov 2024 14:25
Operator : SY/MD
Sample : P4768-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
unknown2.092	2.092	5.1	ug/l	7016	1	7.713	69079	50.0

Raw Data: **VY020247.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	6.70	ug/Kg
74-87-3	Chloromethane	1.60	U	1.60	6.70	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.70	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.70	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	6.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	6.70	ug/Kg
67-64-1	Acetone	16.7	J	8.40	33.7	ug/Kg
75-15-0	Carbon Disulfide	1.70	U	1.70	6.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.90	U	0.90	6.70	ug/Kg
79-20-9	Methyl Acetate	2.40	U	2.40	6.70	ug/Kg
75-09-2	Methylene Chloride	4.60	U	4.60	13.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	6.70	ug/Kg
110-82-7	Cyclohexane	0.93	U	0.93	6.70	ug/Kg
78-93-3	2-Butanone	7.70	U	7.70	33.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	6.70	ug/Kg
74-97-5	Bromochloromethane	3.30	U	3.30	6.70	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	6.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
108-87-2	Methylcyclohexane	1.20	U	1.20	6.70	ug/Kg
71-43-2	Benzene	0.97	U	0.97	6.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.82	U	0.82	6.70	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.89	U	0.89	6.70	ug/Kg
75-27-4	Bromodichloromethane	0.76	U	0.76	6.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.90	U	5.90	33.7	ug/Kg
108-88-3	Toluene	0.90	U	0.90	6.70	ug/Kg

Raw Data: **VY020247.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
591-78-6	2-Hexanone	6.50	U	6.50	33.7	ug/Kg
124-48-1	Dibromochloromethane	0.88	U	0.88	6.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.70	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	6.70	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	6.70	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.70	ug/Kg
179601-23-1	m/p-Xylenes	1.80	U	1.80	13.5	ug/Kg
95-47-6	o-Xylene	0.94	U	0.94	6.70	ug/Kg
100-42-5	Styrene	0.81	U	0.81	6.70	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.70	ug/Kg
98-82-8	Isopropylbenzene	0.90	U	0.90	6.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.00	U	1.00	6.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	6.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	6.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	2.10	6.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	6.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	6.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.5		50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	51.2		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		29 - 146	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	7.713			
540-36-3	1,4-Difluorobenzene	369000	8.616			
3114-55-4	Chlorobenzene-d5	365000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020247.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020247.D	1		11/11/24 14:49	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	76.1	J		11.0	ug/Kg
006750-34-1	1-Dodecanol, 3,7,11-trimethyl-	59.3	J		12.1	ug/Kg
	unknown12.231	49.0	J		12.2	ug/Kg
004057-42-5	2-Octene, 2,6-dimethyl-	120	J		12.6	ug/Kg
	unknown12.652	64.3	J		12.7	ug/Kg
006783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	54.5	J		12.7	ug/Kg
	unknown12.871	39.5	J		12.9	ug/Kg
135-98-8	sec-Butylbenzene	4.30	J		13.2	ug/Kg
054299-96-6	Cyclooctene, 1,2-dimethyl-	59.3	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	58.3	J		14.2	ug/Kg
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	45.2	J		15.0	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\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Quant Time: Nov 11 23:16:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

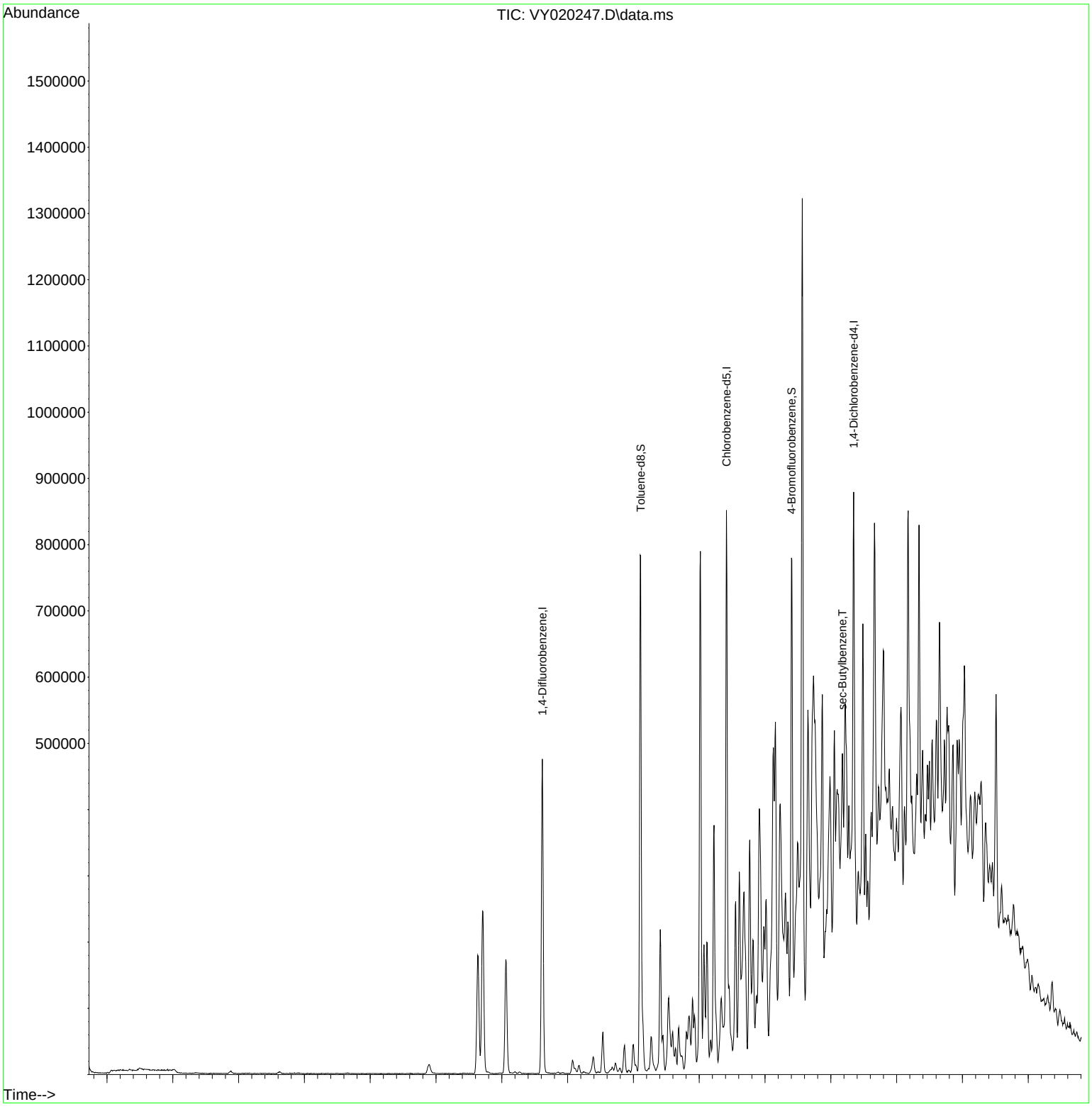
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	173593	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	369047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	365456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133284	61.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.040%			
35) Dibromofluoromethane	7.640	113	123592	52.673	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.340%			
50) Toluene-d8	10.109	98	478257	51.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.420%			
62) 4-Bromofluorobenzene	12.402	95	174801	57.621	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 115.240%			
Target Compounds						Qvalue
16) Acetone	3.885	43	6222	12.349	ug/l #	74
85) sec-Butylbenzene	13.176	105	39551	3.176	ug/l	85

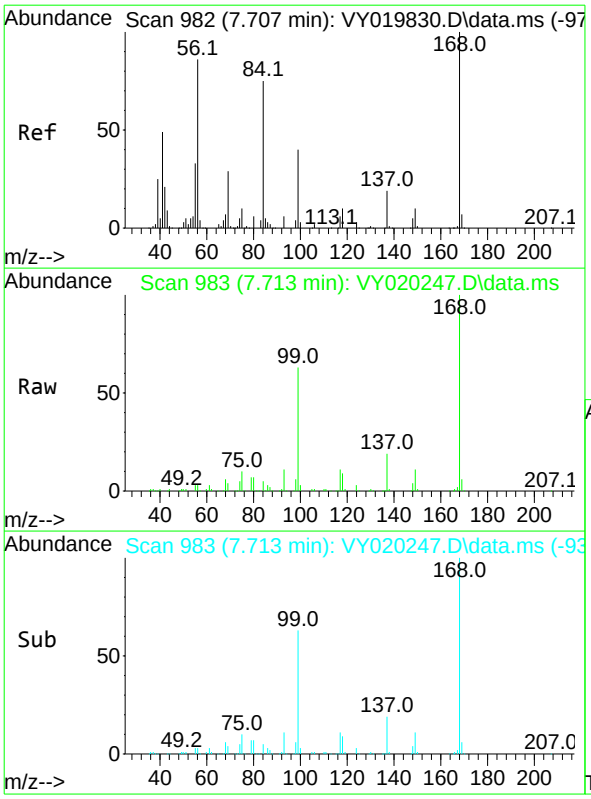
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Quant Time: Nov 11 23:16:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



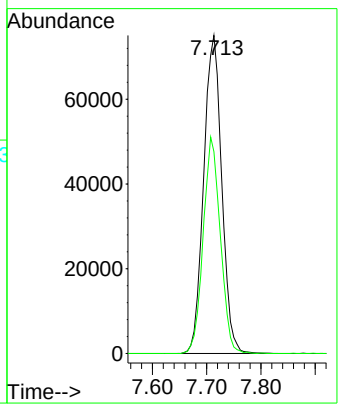


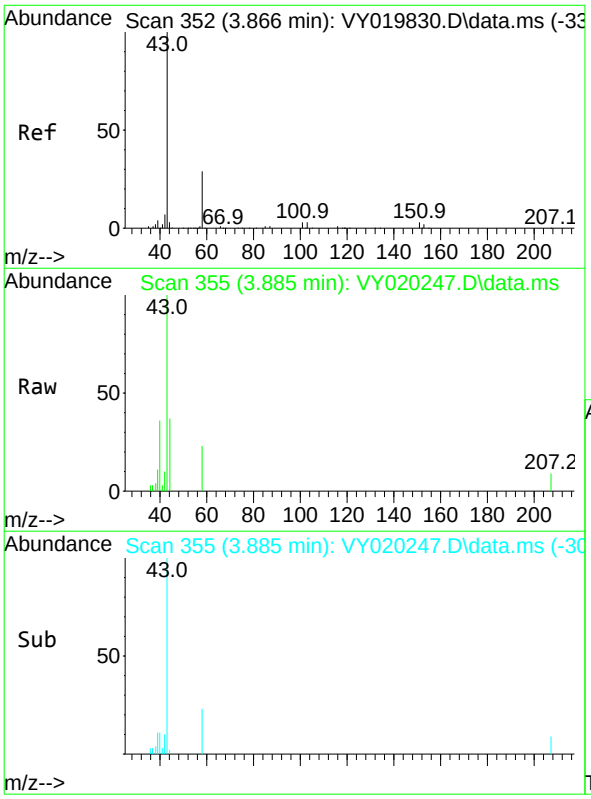
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Tgt Ion:168 Resp: 173593

Ion	Ratio	Lower	Upper
168	100		
99	63.4	39.1	58.7#

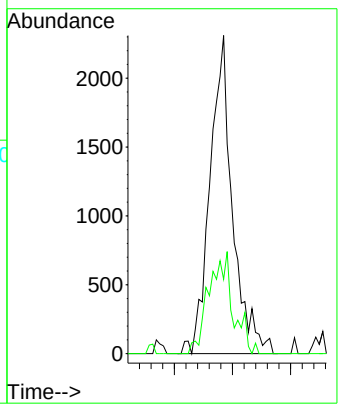


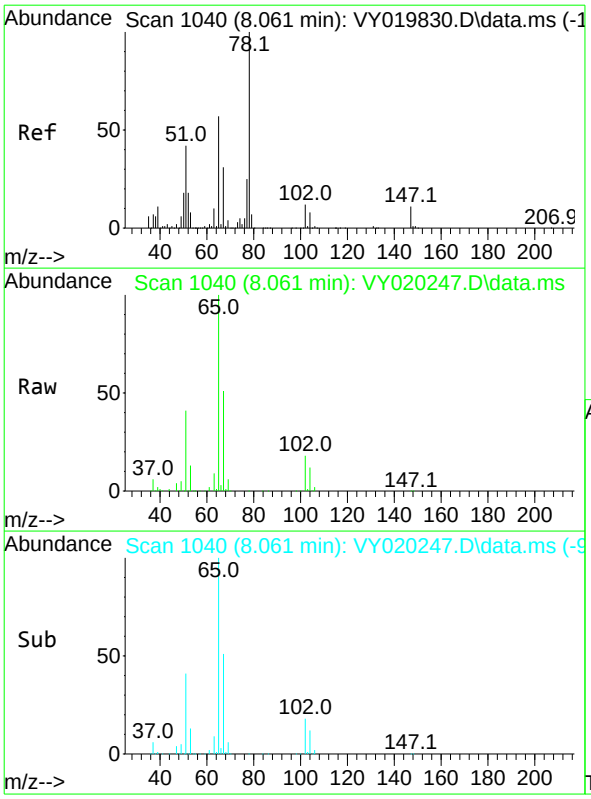


#16
Acetone
Concen: 12.349 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.013 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 43 Resp: 6222

Ion	Ratio	Lower	Upper
43	100		
58	23.4	31.7	47.5#



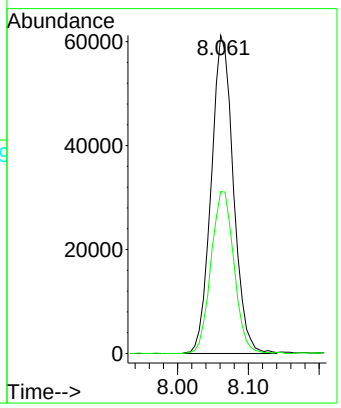


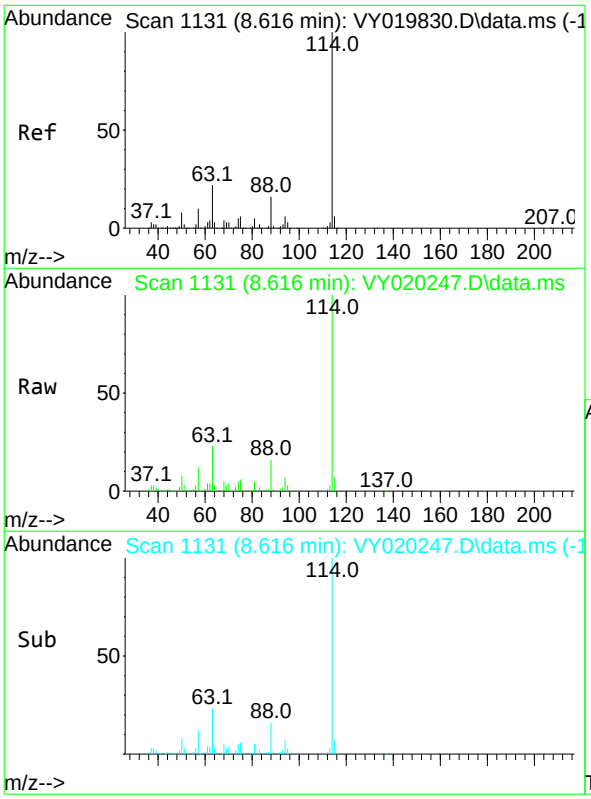
#33
1,2-Dichloroethane-d4
Concen: 61.519 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Tgt Ion: 65 Resp: 133284

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	109.6

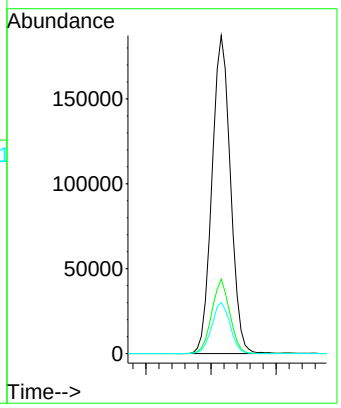


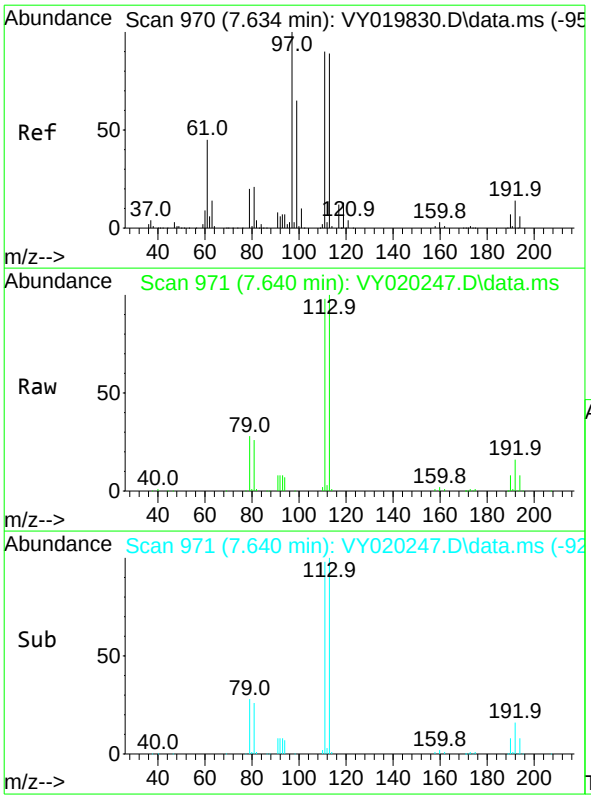


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion:114 Resp: 369047

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	35.0
88	16.1	0.0	27.2



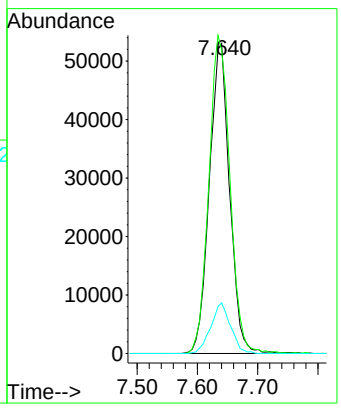


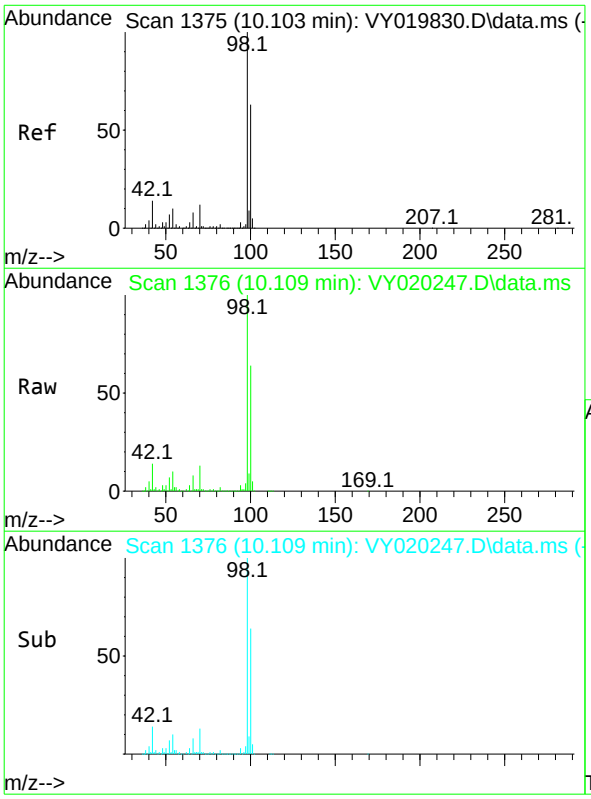
#35
Dibromofluoromethane
Concen: 52.673 ug/l
RT: 7.640 min Scan# 97
Delta R.T. 0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Tgt Ion:113 Resp: 123592

Ion	Ratio	Lower	Upper
113	100		
111	107.0	82.2	123.4
192	16.0	15.9	23.9

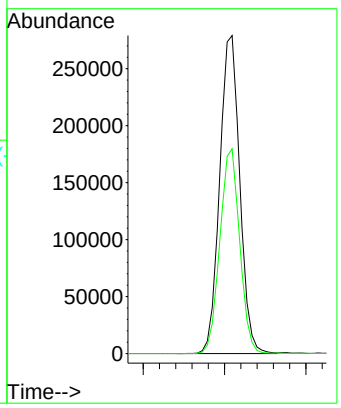


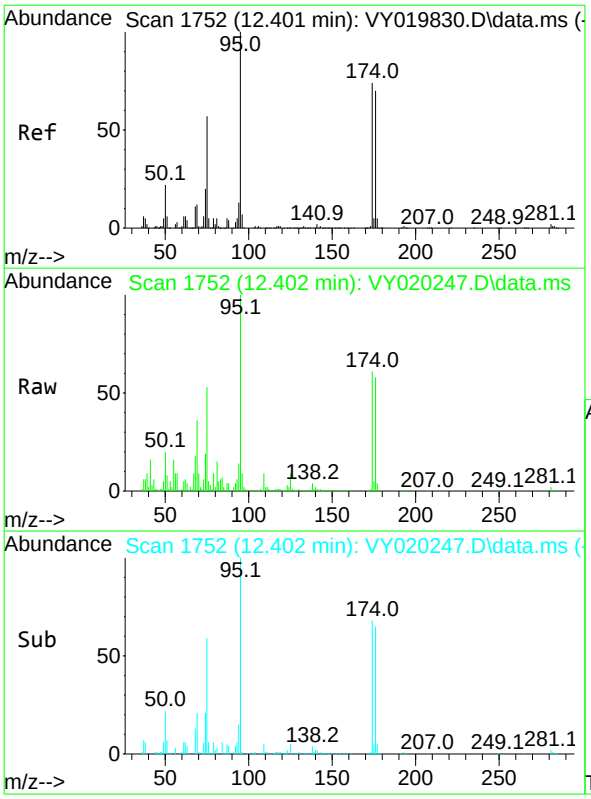


#50
Toluene-d8
Concen: 51.207 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion: 98 Resp: 478257

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0



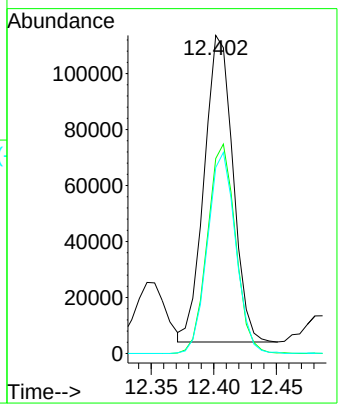


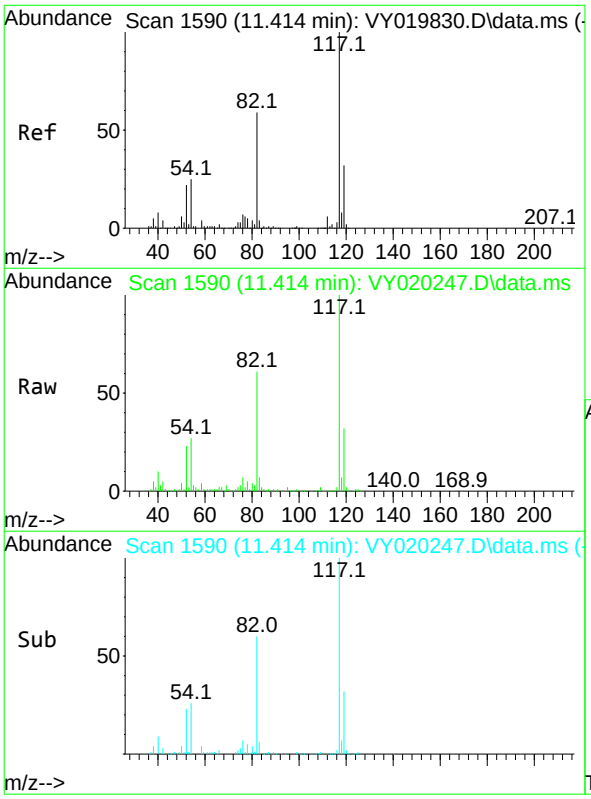
#62
4-Bromofluorobenzene
Concen: 57.621 ug/l
RT: 12.402 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Tgt Ion: 95 Resp: 174801

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	175.6
176	64.1	0.0	171.4

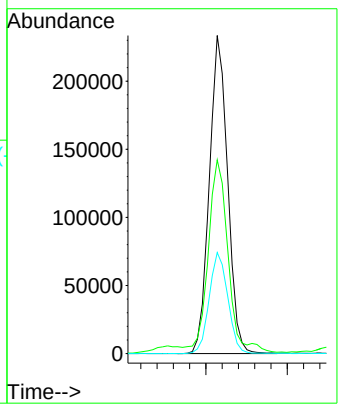


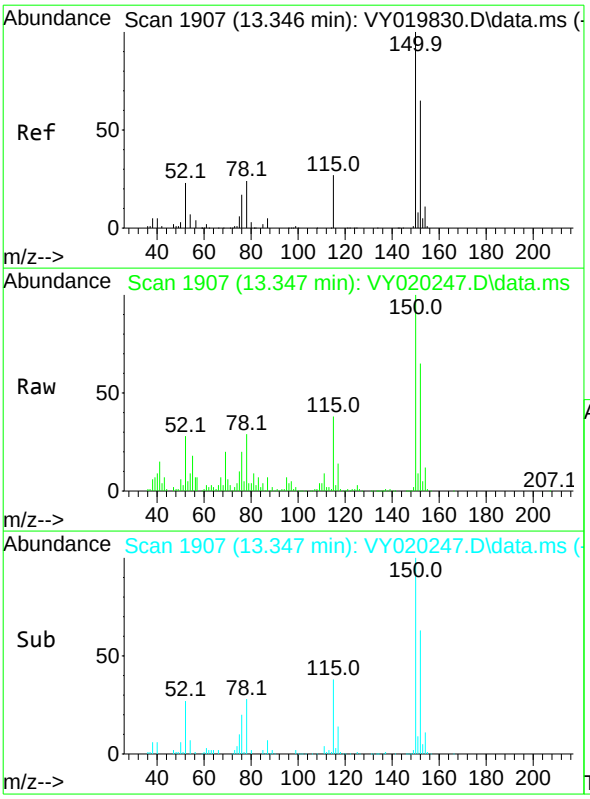


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion:117 Resp: 365456

Ion	Ratio	Lower	Upper
117	100		
82	60.5	42.4	63.6
119	31.8	25.9	38.9



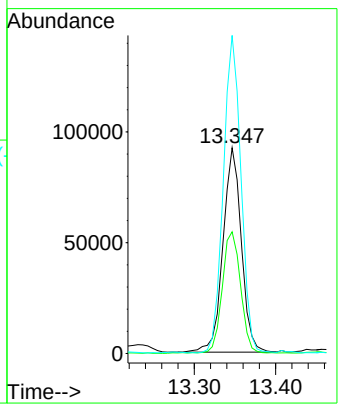


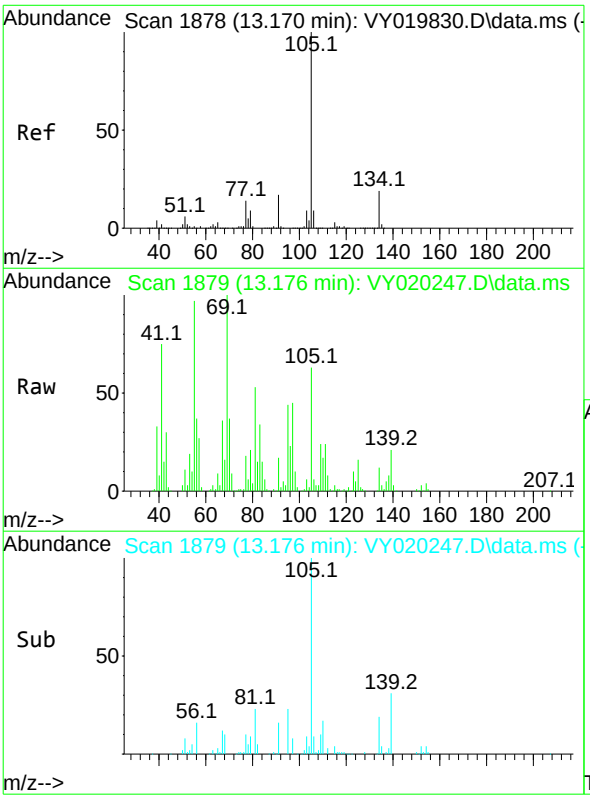
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Tgt Ion:152 Resp: 144633

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.2	84.7
150	149.1	0.0	345.6

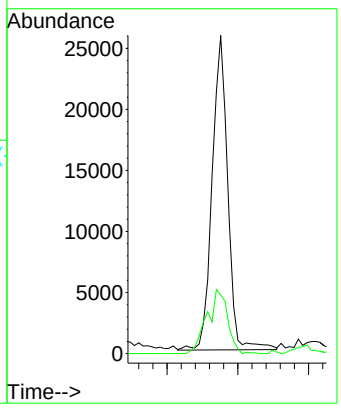




#85
sec-Butylbenzene
Concen: 3.176 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY020247.D
Acq: 11 Nov 2024 14:49

Tgt Ion:105 Resp: 39551

Ion	Ratio	Lower	Upper
105	100		
134	26.8	10.1	30.1



Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	835	849	858	rBV3	14085	47935	2.29%	0.136%
2	7.634	959	970	976	rBV	178826	428770	20.51%	1.215%
3	7.707	976	982	994	rVB2	243683	574919	27.50%	1.630%
4	8.061	1030	1040	1050	rBV	171814	387211	18.52%	1.098%
5	8.616	1122	1131	1141	rBV	474731	931535	44.56%	2.641%
6	9.073	1199	1206	1211	rBV3	20331	44779	2.14%	0.127%
7	9.170	1217	1222	1228	rVB3	11429	21441	1.03%	0.061%
8	9.390	1248	1258	1265	rBV5	24729	59699	2.86%	0.169%
9	9.536	1275	1282	1291	rVB2	61925	117297	5.61%	0.332%
10	9.725	1309	1313	1319	rVB2	12651	22688	1.09%	0.064%
11	9.865	1329	1336	1342	rBV2	41335	79838	3.82%	0.226%
12	10.000	1351	1358	1363	rBV4	42097	89751	4.29%	0.254%
13	10.103	1368	1375	1389	rVV	779200	1491514	71.35%	4.228%
14	10.268	1397	1402	1414	rVB2	50911	115011	5.50%	0.326%
15	10.408	1414	1425	1429	rBV	213009	383624	18.35%	1.087%
16	10.451	1429	1432	1437	rVB3	52138	79148	3.79%	0.224%
17	10.536	1437	1446	1452	rBV5	108733	292051	13.97%	0.828%
18	10.597	1452	1456	1460	rVV3	42316	72234	3.46%	0.205%
19	10.640	1460	1463	1467	rVB2	24139	32938	1.58%	0.093%
20	10.688	1467	1471	1477	rBV2	55154	103767	4.96%	0.294%
21	10.804	1484	1490	1493	rBV2	55833	107951	5.16%	0.306%
22	10.847	1493	1497	1501	rVV5	69215	141794	6.78%	0.402%
23	10.896	1501	1505	1508	rVV	86217	138340	6.62%	0.392%
24	10.926	1508	1510	1516	rVB3	70396	105769	5.06%	0.300%
25	11.018	1516	1525	1530	rBV	770935	1392150	66.60%	3.946%
26	11.073	1530	1534	1538	rBV3	141923	224270	10.73%	0.636%
27	11.115	1538	1541	1547	rVB4	172809	302808	14.49%	0.858%
28	11.176	1547	1551	1553	rBV2	25028	33634	1.61%	0.095%
29	11.225	1553	1559	1569	rVB2	357295	710550	33.99%	2.014%
30	11.335	1569	1577	1581	rBV7	96077	244555	11.70%	0.693%
31	11.414	1584	1590	1595	rBV	777944	1233626	59.01%	3.497%
32	11.554	1605	1613	1617	rBV2	225083	390169	18.66%	1.106%
33	11.609	1617	1622	1626	rBV	250267	457045	21.86%	1.296%
34	11.682	1629	1634	1642	rVB5	236997	658764	31.51%	1.867%
35	11.768	1642	1648	1652	rBV3	315603	603340	28.86%	1.710%
36	11.816	1652	1656	1661	rVB4	132848	241896	11.57%	0.686%

Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

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\82Y103024S.M
Title : SW846 8260

37	11.871	1661	1665	1666	rBV3	48574	62741	3.00%	0.178%
38	11.914	1666	1672	1680	rBV5	293647	716977	34.30%	2.032%
39	11.981	1680	1683	1686	rBV2	83298	122296	5.85%	0.347%
40	12.017	1686	1689	1695	rVB3	206391	363898	17.41%	1.032%
41	12.127	1695	1707	1709	rBV5	435424	1085720	51.94%	3.078%
42	12.158	1709	1712	1717	rVB3	420432	659330	31.54%	1.869%
43	12.231	1717	1724	1733	rBV6	296879	896927	42.91%	2.542%
44	12.310	1734	1737	1741	rVB4	92069	123257	5.90%	0.349%
45	12.347	1741	1743	1747	rVB4	112220	149089	7.13%	0.423%
46	12.402	1747	1752	1758	rBV	661452	1121166	53.63%	3.178%
47	12.493	1758	1767	1771	rBV8	203898	591523	28.30%	1.677%
48	12.566	1774	1779	1786	rVB	1210568	2090382	100.00%	5.925%
49	12.652	1786	1793	1800	rBV7	438155	1142851	54.67%	3.240%
50	12.737	1800	1807	1810	rBV5	351167	968801	46.35%	2.746%
51	12.871	1824	1829	1833	rVB3	397805	701786	33.57%	1.989%
52	12.987	1841	1848	1853	rVB7	235370	574515	27.48%	1.629%
53	13.054	1854	1859	1862	rBV3	297620	502378	24.03%	1.424%
54	13.176	1876	1879	1882	rBV4	117118	147455	7.05%	0.418%
55	13.218	1882	1886	1892	rVB6	232762	510009	24.40%	1.446%
56	13.273	1893	1895	1898	rVB3	80729	75418	3.61%	0.214%
57	13.347	1902	1907	1915	rVB	652685	1197893	57.30%	3.396%
58	13.420	1915	1919	1923	rBV4	79771	164479	7.87%	0.466%
59	13.487	1925	1930	1934	rVV3	415379	629770	30.13%	1.785%
60	13.529	1934	1937	1940	rVB3	109805	124840	5.97%	0.354%
61	13.615	1946	1951	1953	rBV4	158432	289834	13.87%	0.822%
62	13.664	1953	1959	1965	rVB6	506994	1054439	50.44%	2.989%
63	13.798	1975	1981	1986	rBV3	229445	492229	23.55%	1.395%
64	14.066	2019	2025	2030	rVB5	268391	623154	29.81%	1.766%
65	14.121	2030	2034	2037	rBV4	118402	197035	9.43%	0.559%
66	14.176	2038	2043	2051	rBV5	497367	1034888	49.51%	2.934%
67	14.340	2066	2070	2075	rVB2	449231	628690	30.08%	1.782%
68	14.541	2099	2103	2108	rBV6	136902	217880	10.42%	0.618%
69	14.602	2110	2113	2117	rVV5	151676	255470	12.22%	0.724%
70	14.651	2117	2121	2128	rVB5	288013	520515	24.90%	1.475%
71	14.767	2137	2140	2142	rBV2	139948	190576	9.12%	0.540%
72	14.858	2151	2155	2159	rVB5	226868	397792	19.03%	1.128%
73	14.919	2159	2165	2168	rBV4	234517	497774	23.81%	1.411%
74	15.029	2175	2183	2192	rVB6	281130	802892	38.41%	2.276%
75	15.352	2232	2236	2243	rBV7	110831	259015	12.39%	0.734%
76	15.511	2257	2262	2269	rVB4	352326	648643	31.03%	1.839%

Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

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\82Y103024S.M
Title : SW846 8260

77	16.364	2398	2402	2407	rVB7	45362	80821	3.87%	0.229%

Sum of corrected areas: 35277959

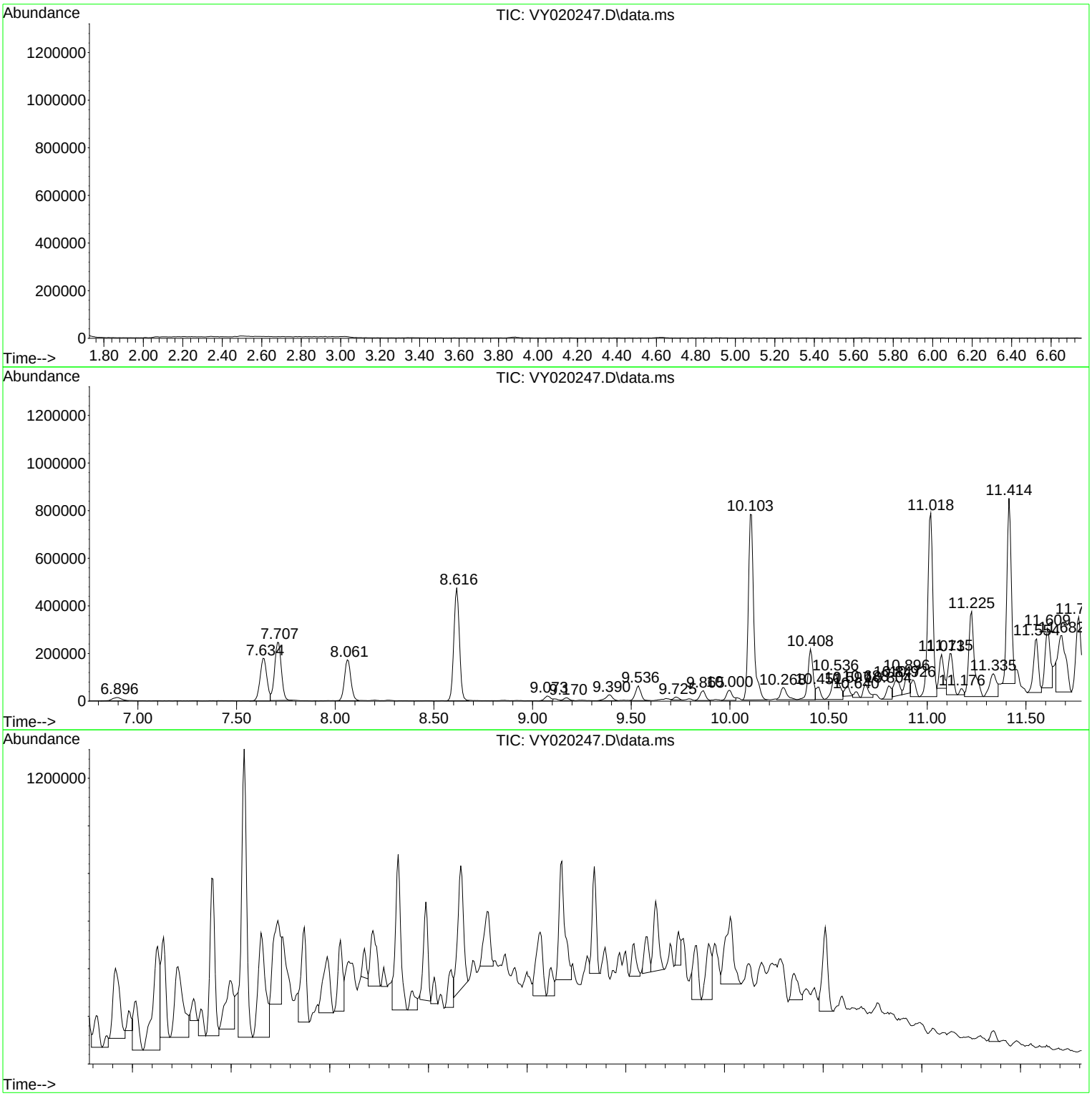
Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

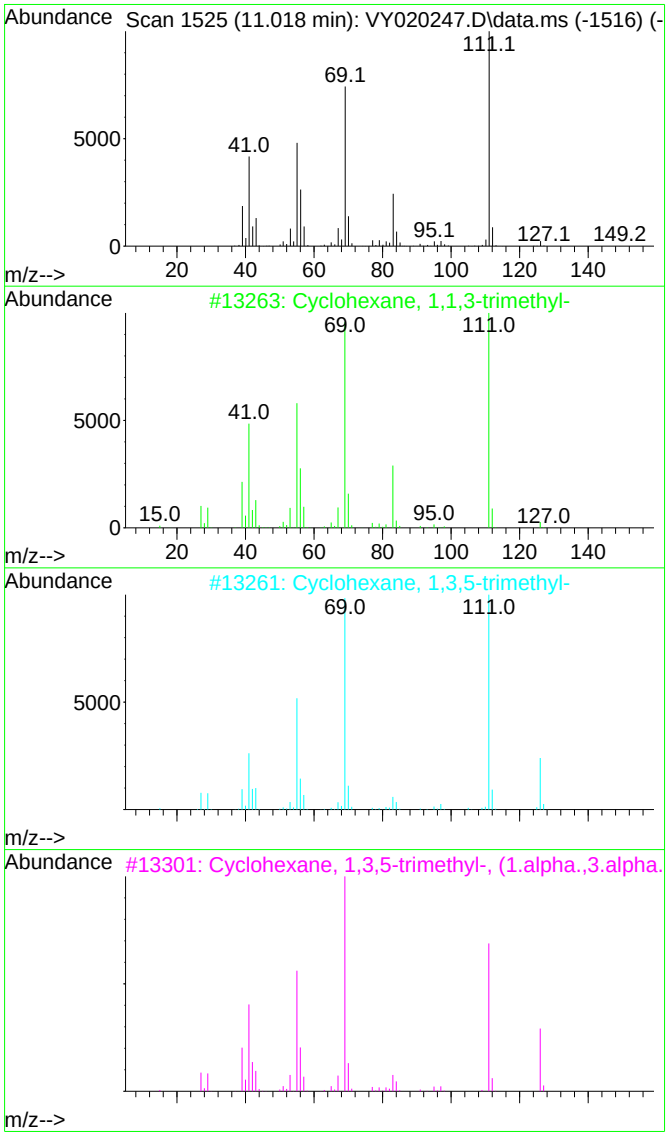
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

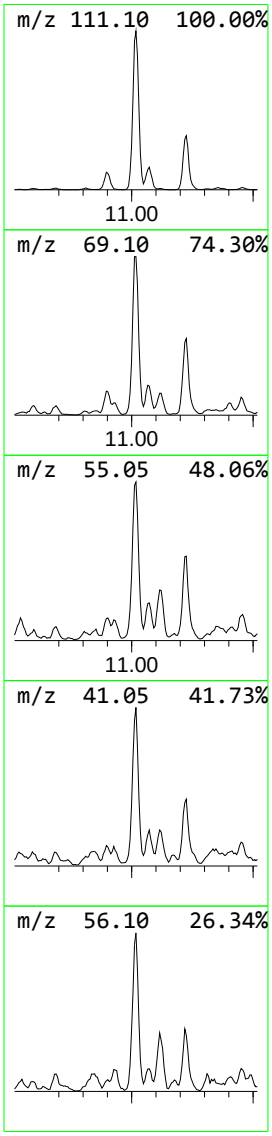
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	56.43 ug/l	1392150	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	53
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	45





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

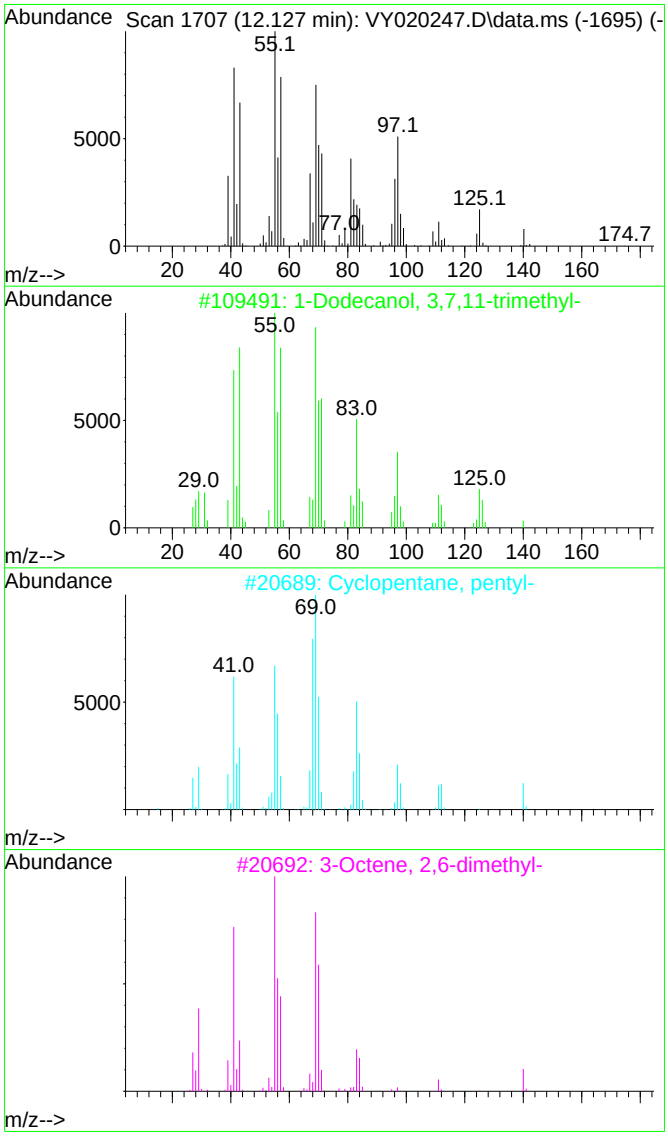
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

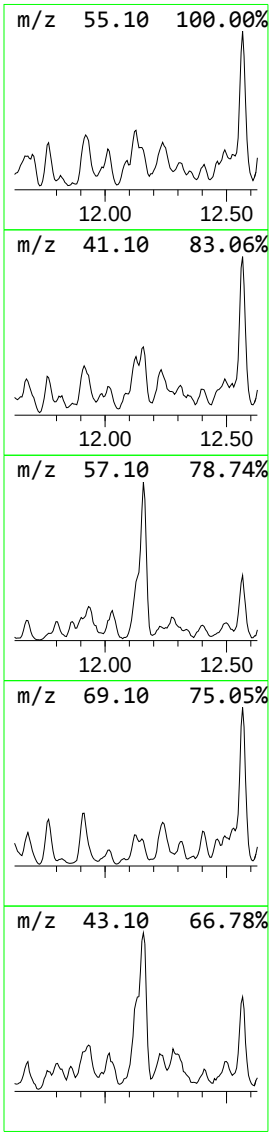
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Dodecanol, 3,7,11-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	44.01 ug/l	1085720	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	006750-34-1	86
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	60
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	55
4	5-Decene, (E)-	140	C10H20	007433-56-9	46
5	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

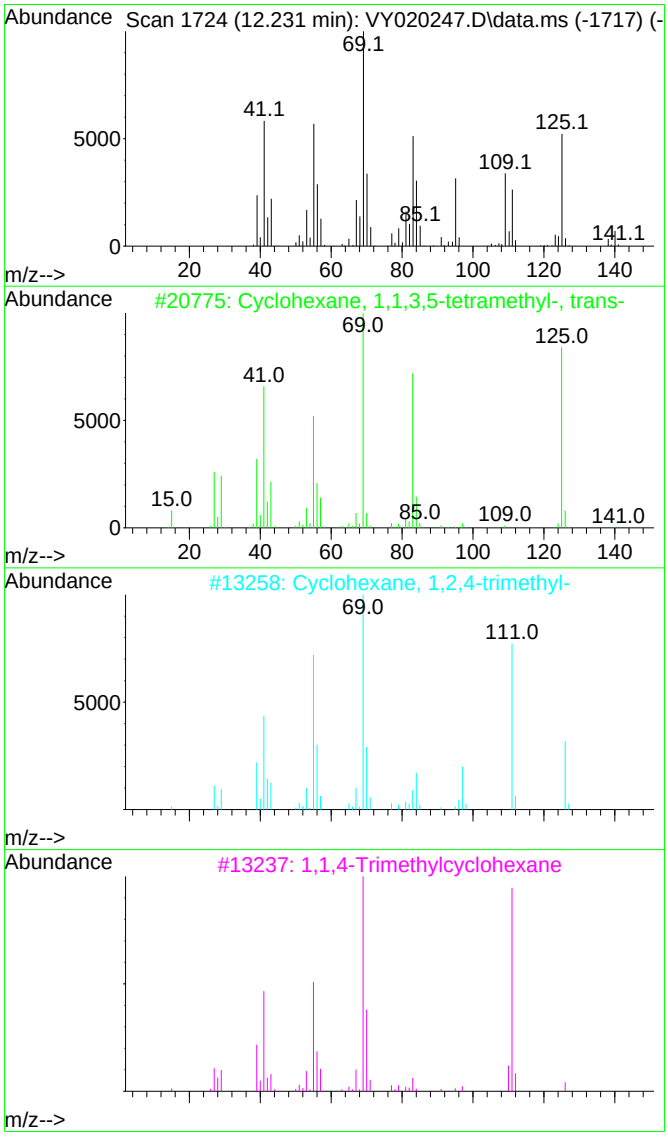
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

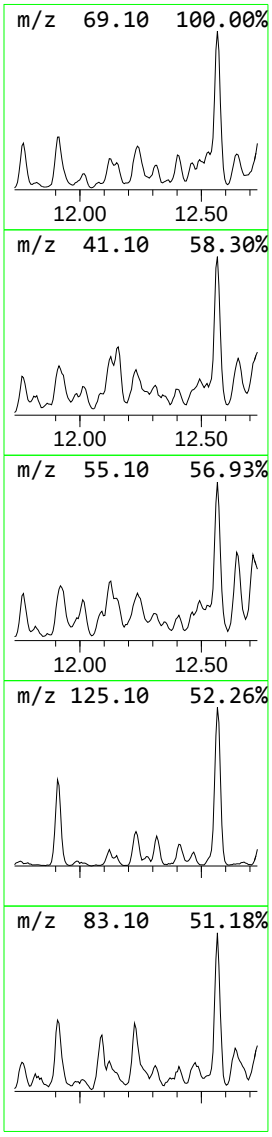
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown12.231 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.231	36.35 ug/l	896927	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	35
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	35
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	30
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	30





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

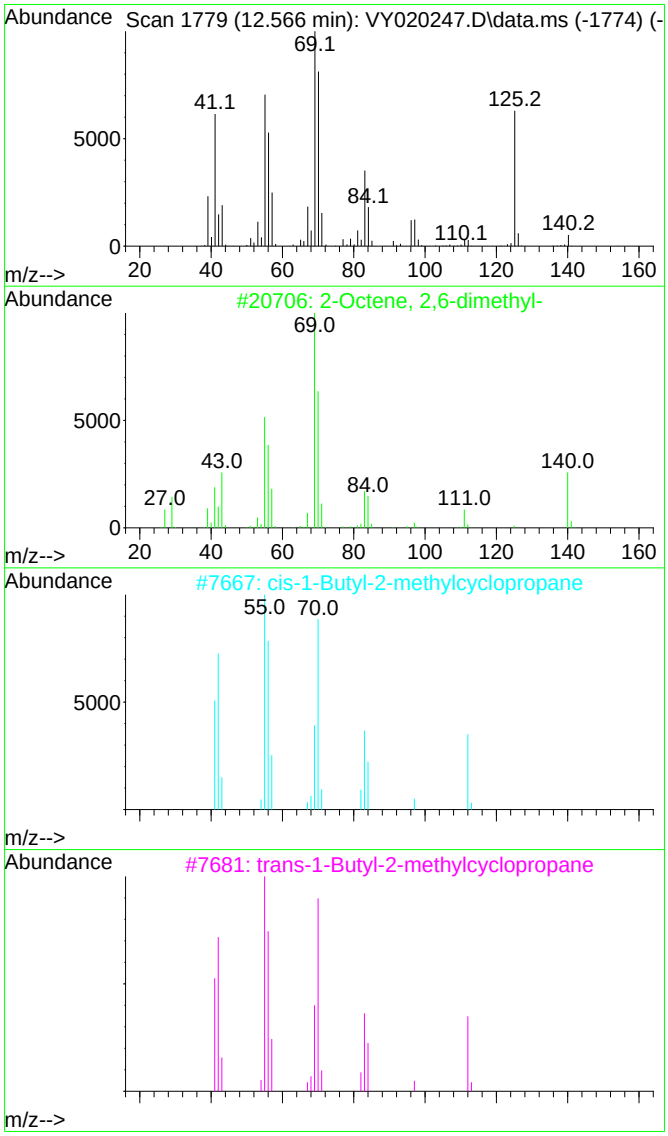
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

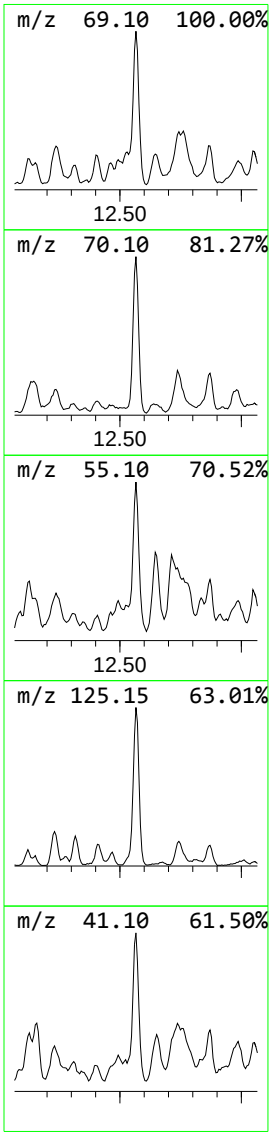
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Octene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	87.25 ug/l	2090380	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	76
2	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	45
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	43
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

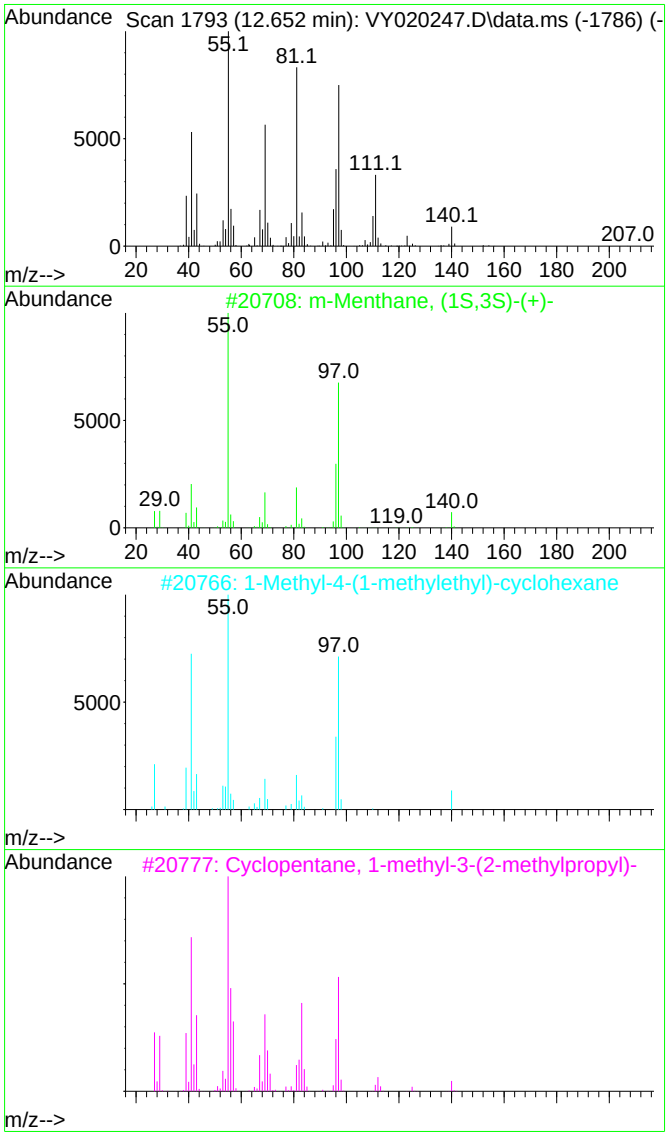
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

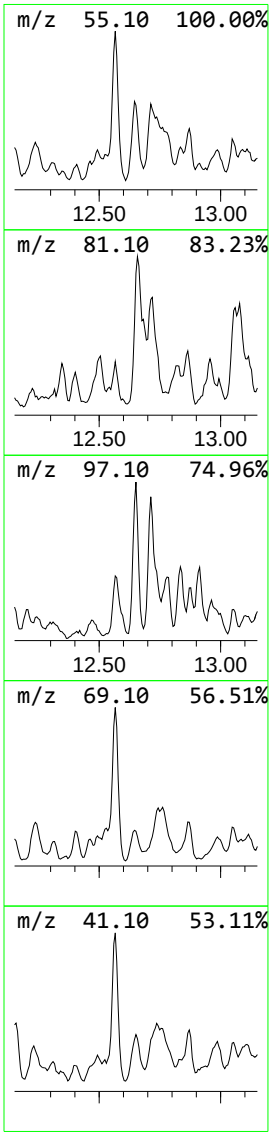
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown12.652 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.652	47.70 ug/l	1142850	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	43
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
3	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	43
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

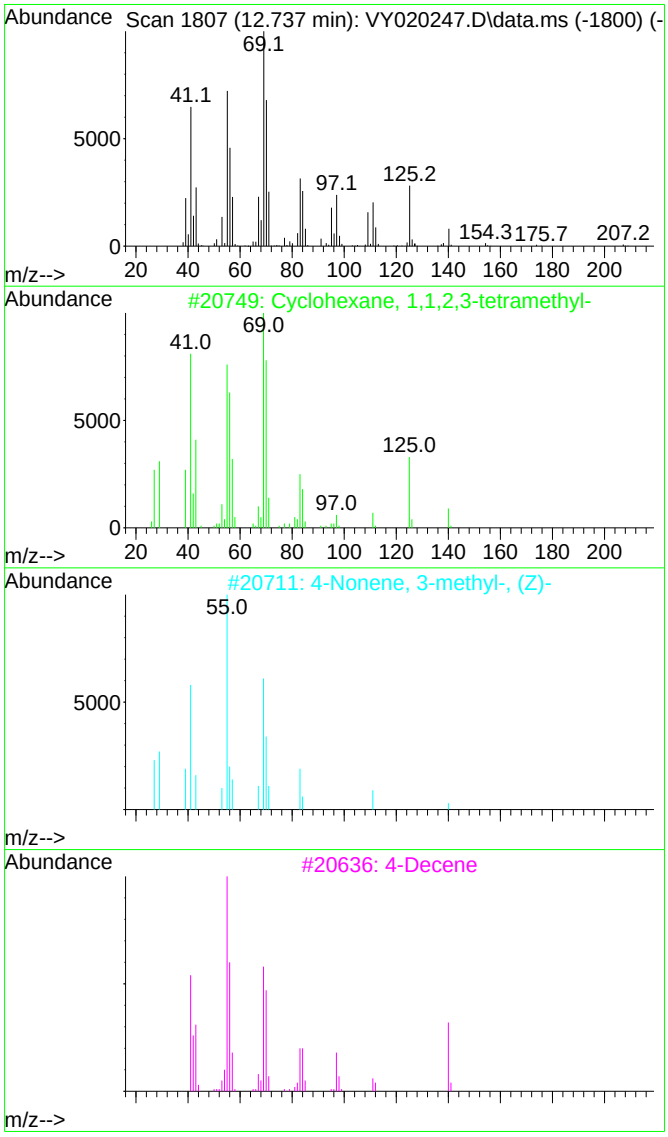
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

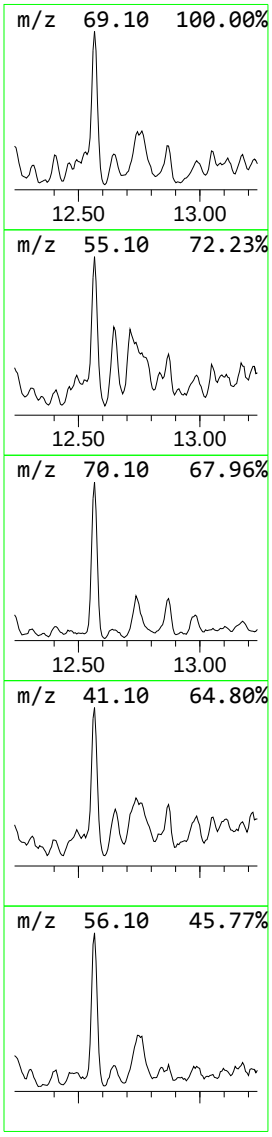
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.737	40.44 ug/l	968801	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	68
3	4-Decene	140	C10H20	019689-18-0	55
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

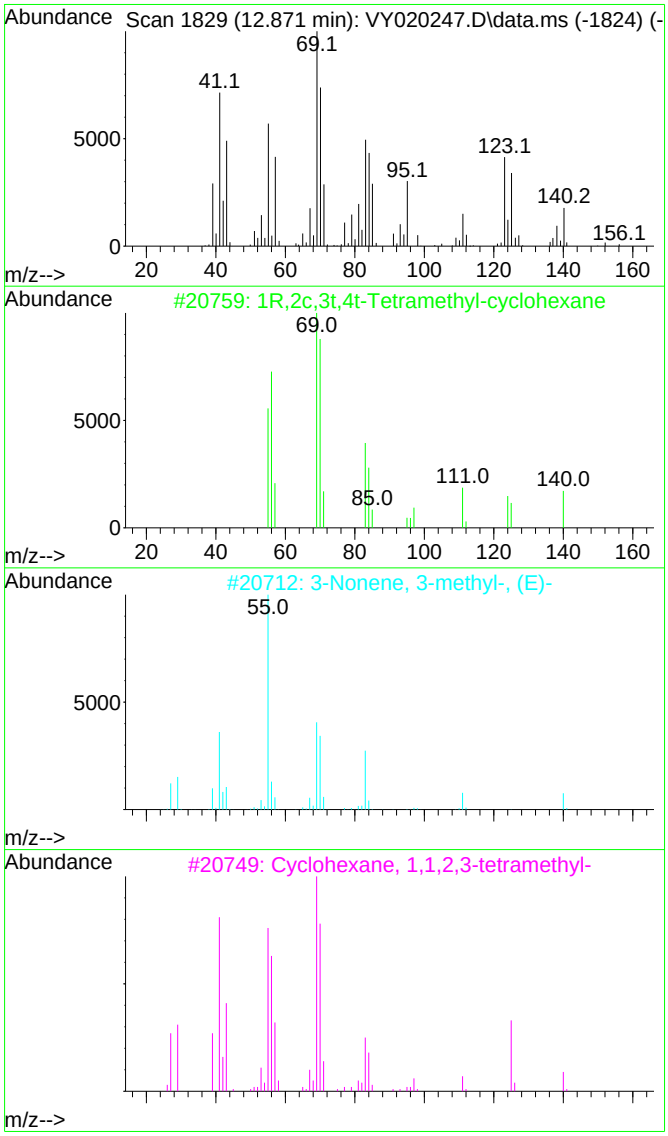
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

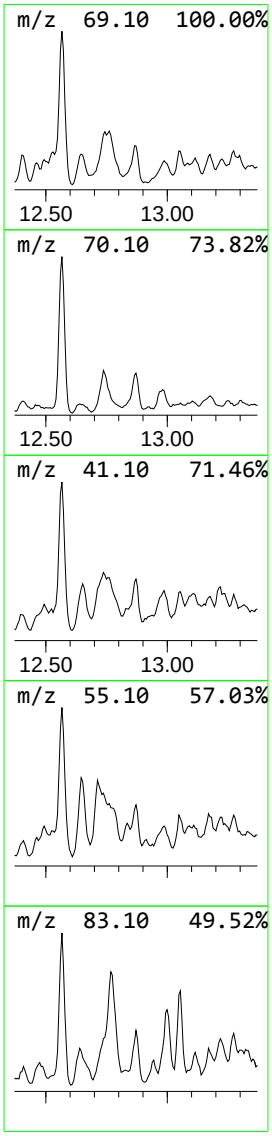
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown12.871 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.871	29.29 ug/l	701786	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	49
2	3-Nonene, 3-methyl-, (E)-	140	C10H20	069405-42-1	47
3	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	47
4	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	43
5	1-Dodecene	168	C12H24	000112-41-4	38





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

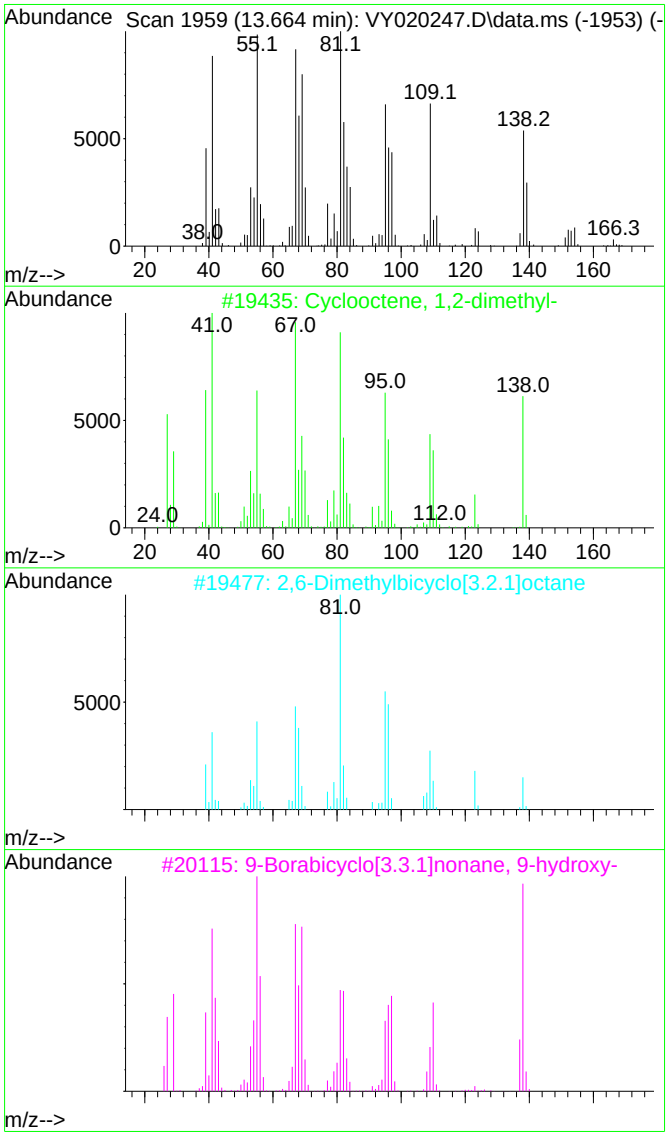
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

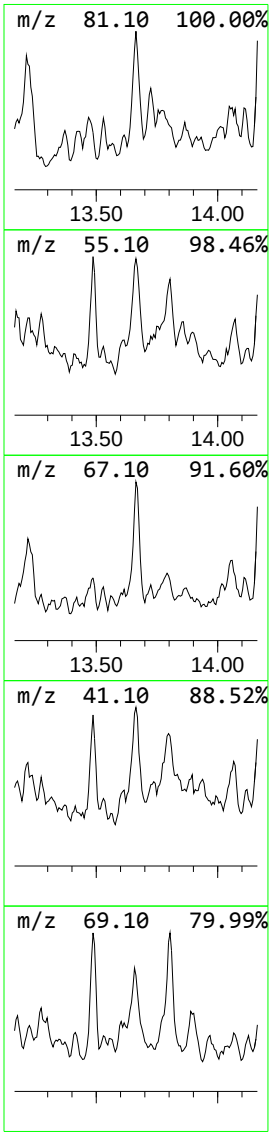
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclooctene, 1,2-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	44.01 ug/l	1054440	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	64
2	2,6-Dimethylbicyclo[3.2.1]octane	138	C10H18	1000215-28-2	60
3	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	58
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	55
5	Cyclodecene	138	C10H18	003618-12-0	53





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

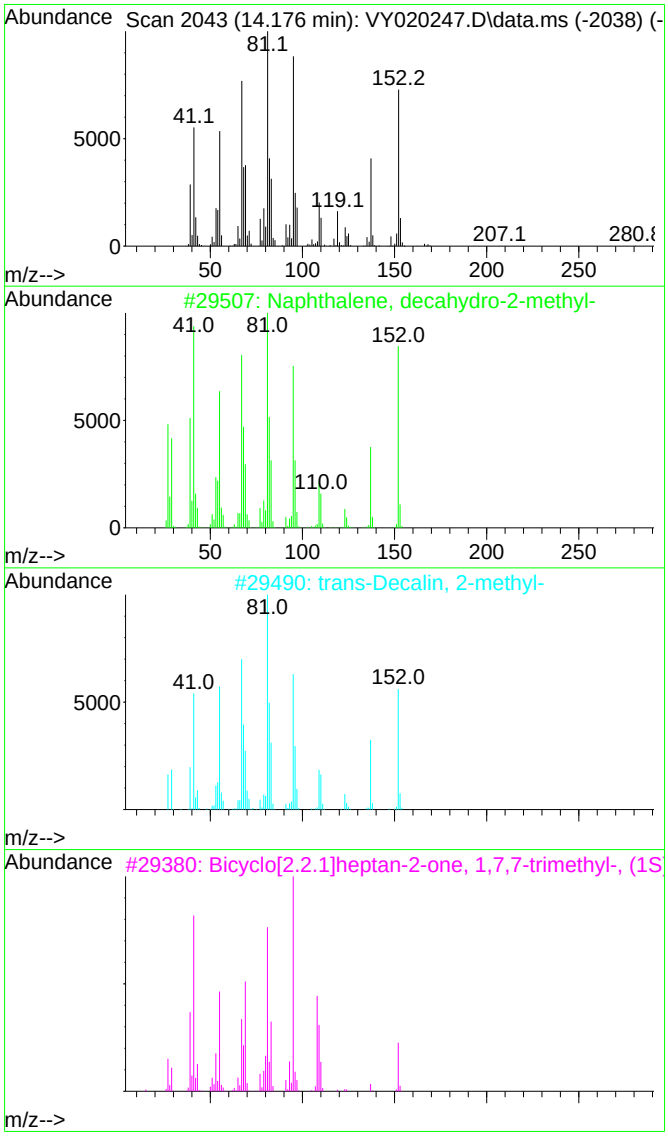
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

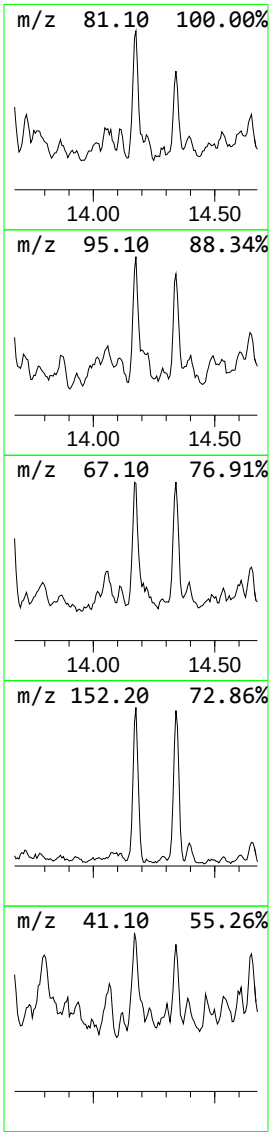
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	43.20 ug/l	1034890	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	89
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	89
4	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	83
5	Pulegone	152	C10H16O	000089-82-7	70





Sample Results: **VY020247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

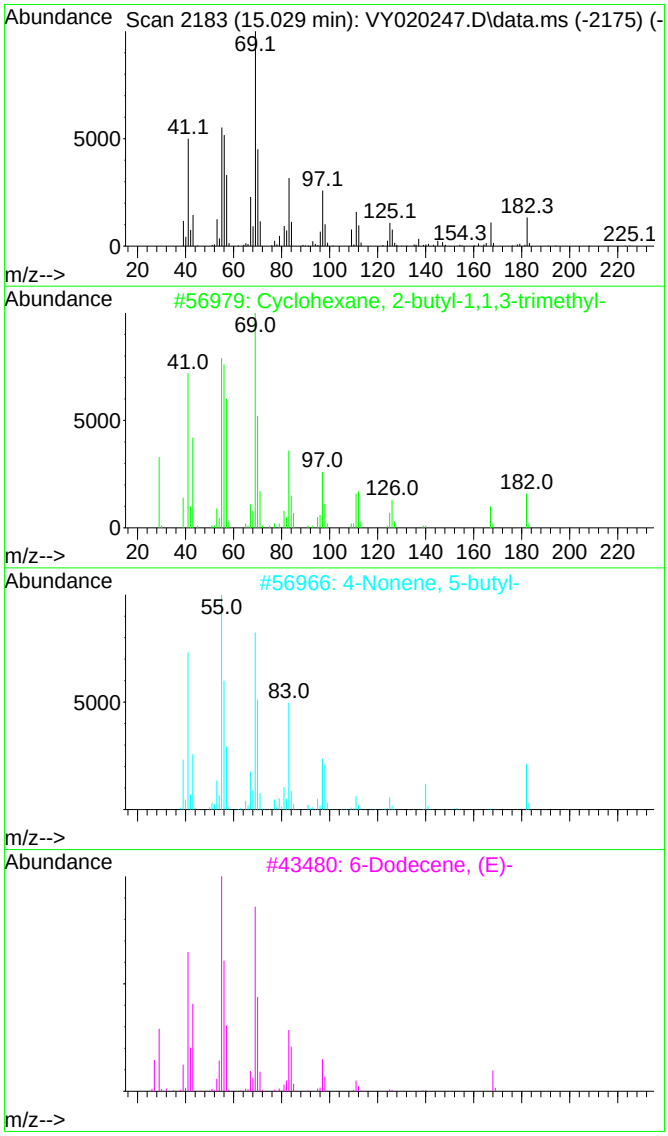
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

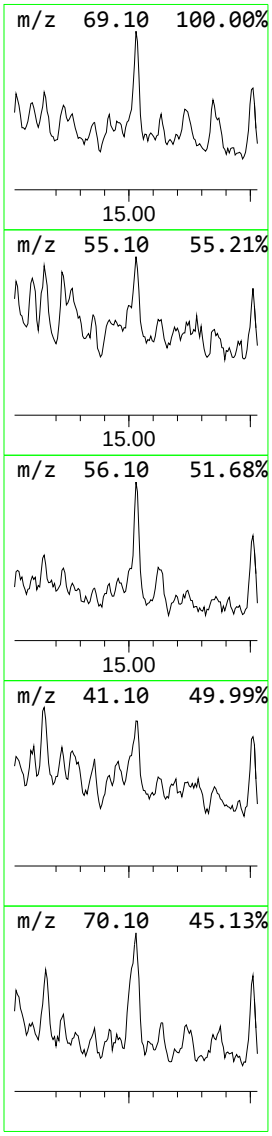
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.029	33.51 ug/l	802892	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	91
2	4-Nonene, 5-butyl-	182	C13H26	007367-38-6	80
3	6-Dodecene, (E)-	168	C12H24	007206-17-9	74
4	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	72
5	Cyclopropane, 1-butyl-2-pentyl-,...	168	C12H24	074663-88-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020247.D
Acq On : 11 Nov 2024 14:49
Operator : SY/MD
Sample : P4768-05
Misc : 4.12g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
Cyclohexane, 1,...	11.018	56.4	ug/l	1392150	3	11.414	1233630	50.0
1-Dodecanol, 3,...	12.127	44.0	ug/l	1085720	3	11.414	1233630	50.0
unknown12.231	12.231	36.4	ug/l	896927	3	11.414	1233630	50.0
2-Octene, 2,6-d...	12.566	87.3	ug/l	2090380	4	13.347	1197890	50.0
unknown12.652	12.652	47.7	ug/l	1142850	4	13.347	1197890	50.0
Cyclohexane, 1,...	12.737	40.4	ug/l	968801	4	13.347	1197890	50.0
unknown12.871	12.871	29.3	ug/l	701786	4	13.347	1197890	50.0
Cyclooctene, 1,...	13.664	44.0	ug/l	1054440	4	13.347	1197890	50.0
Naphthalene, de...	14.176	43.2	ug/l	1034890	4	13.347	1197890	50.0
Cyclohexane, 2-...	15.029	33.5	ug/l	802892	4	13.347	1197890	50.0

Raw Data: **VY020248.D**

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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.80	U	3.80	11.4	ug/Kg
74-87-3	Chloromethane	2.70	U	2.70	11.4	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	1.80	11.4	ug/Kg
74-83-9	Bromomethane	2.40	U	2.40	11.4	ug/Kg
75-00-3	Chloroethane	2.30	U	2.30	11.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.10	U	2.10	11.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.40	U	2.40	11.4	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	1.80	11.4	ug/Kg
67-64-1	Acetone	14.3	U	14.3	57.1	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	2.90	11.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	1.50	11.4	ug/Kg
79-20-9	Methyl Acetate	4.10	U	4.10	11.4	ug/Kg
75-09-2	Methylene Chloride	7.80	U	7.80	22.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	1.90	11.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.40	U	1.40	11.4	ug/Kg
110-82-7	Cyclohexane	1.60	U	1.60	11.4	ug/Kg
78-93-3	2-Butanone	13.0	U	13.0	57.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	2.00	11.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.40	U	1.40	11.4	ug/Kg
74-97-5	Bromochloromethane	5.50	U	5.50	11.4	ug/Kg
67-66-3	Chloroform	1.50	U	1.50	11.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	1.80	11.4	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	2.00	11.4	ug/Kg
71-43-2	Benzene	1.60	U	1.60	11.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.40	U	1.40	11.4	ug/Kg
79-01-6	Trichloroethene	1.70	U	1.70	11.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	1.50	11.4	ug/Kg
75-27-4	Bromodichloromethane	1.30	U	1.30	11.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.90	U	9.90	57.1	ug/Kg
108-88-3	Toluene	1.50	U	1.50	11.4	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.40	U	1.40	11.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.30	U	1.30	11.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	1.90	11.4	ug/Kg
591-78-6	2-Hexanone	10.9	U	10.9	57.1	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	1.50	11.4	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	1.80	11.4	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	2.00	11.4	ug/Kg
108-90-7	Chlorobenzene	1.70	U	1.70	11.4	ug/Kg
100-41-4	Ethyl Benzene	1.40	U	1.40	11.4	ug/Kg
179601-23-1	m/p-Xylenes	4.40	J	3.10	22.9	ug/Kg
95-47-6	o-Xylene	1.60	U	1.60	11.4	ug/Kg
100-42-5	Styrene	1.40	U	1.40	11.4	ug/Kg
75-25-2	Bromoform	1.90	U	1.90	11.4	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	1.50	11.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	2.50	11.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	11.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.80	11.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	11.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	11.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.80	U	1.80	11.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.80	U	1.80	11.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	48.9		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	7.713			
540-36-3	1,4-Difluorobenzene	400000	8.616			
3114-55-4	Chlorobenzene-d5	366000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	2.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020248.D	1		11/11/24 15:12	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VY020248.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Time: Nov 11 23:16:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	190237	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	399773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	365761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135459	57.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.100%			
35) Dibromofluoromethane	7.634	113	132702	52.209	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.420%			
50) Toluene-d8	10.109	98	495141	48.940	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.408	95	151247	46.024	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.040%			
Target Compounds						Qvalue
68) m/p-Xylenes	11.621	106	10308	1.934	ug/l	93

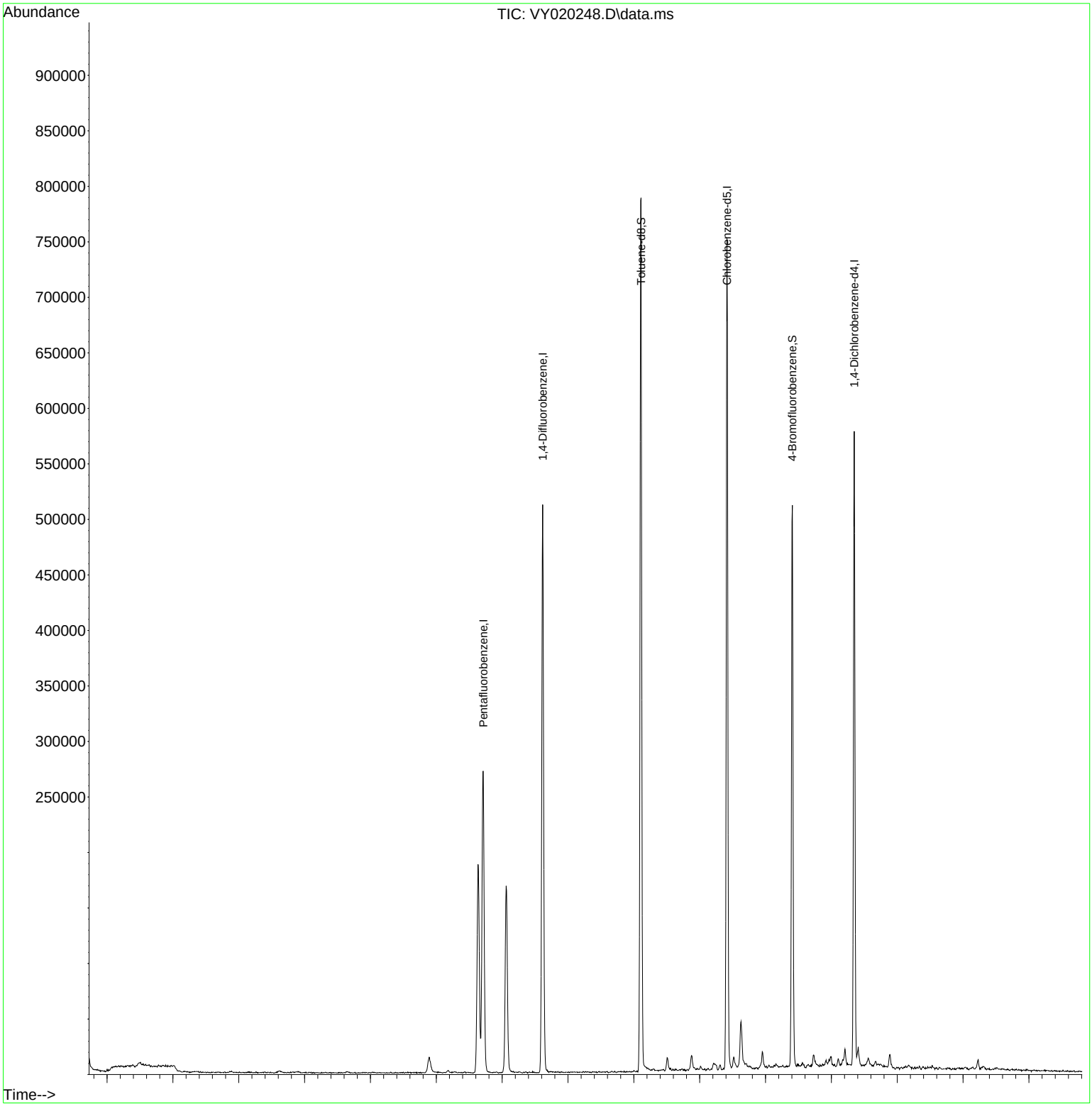
(#) = qualifier out of range (m) = manual integration (+) = signals summed

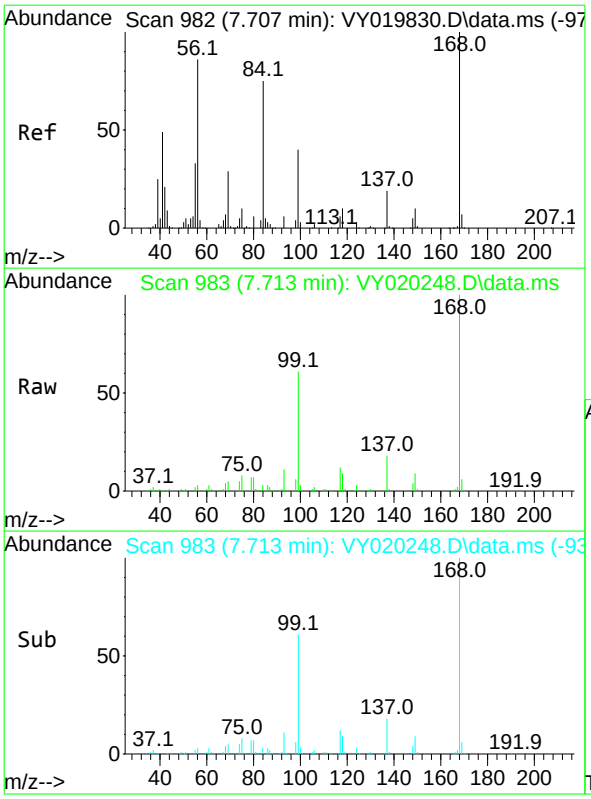
Sample Results: **VY020248.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Time: Nov 11 23:16:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



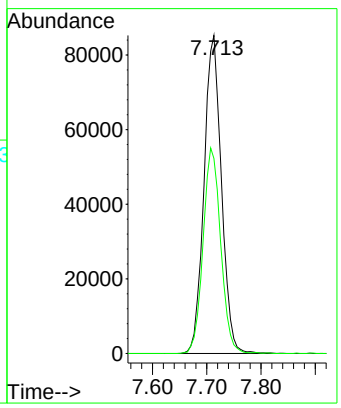


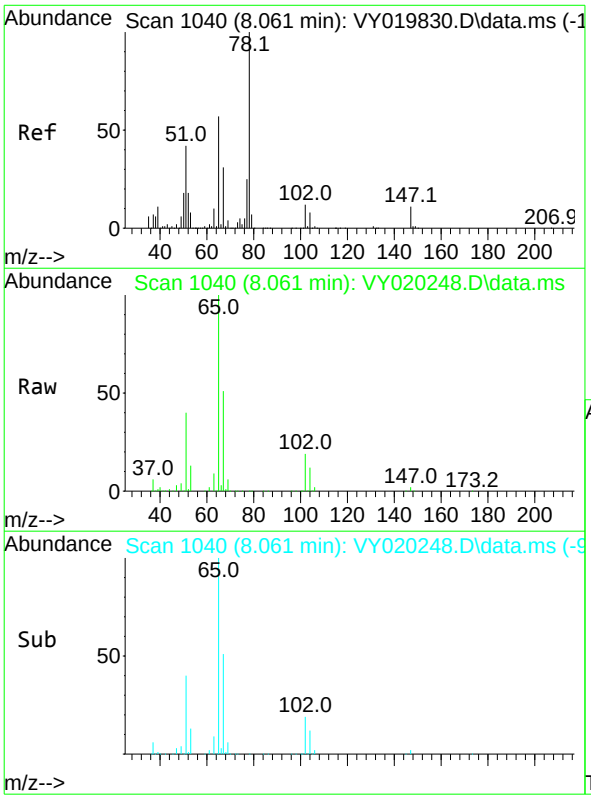
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Tgt Ion:168 Resp: 190237

Ion	Ratio	Lower	Upper
168	100		
99	61.3	39.1	58.7#

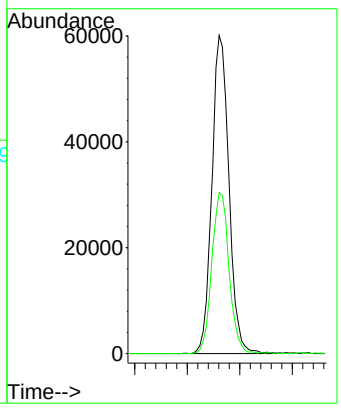


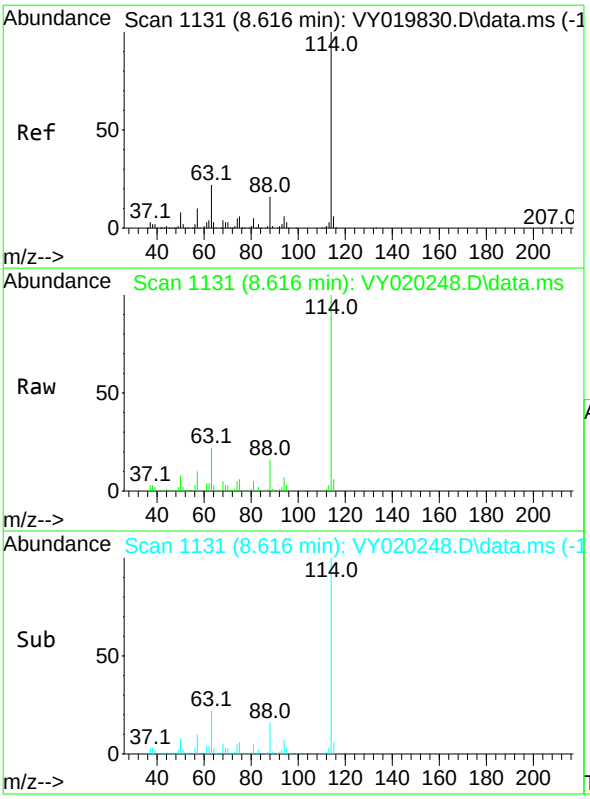


#33
1,2-Dichloroethane-d4
Concen: 57.053 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Tgt Ion: 65 Resp: 135459

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.6



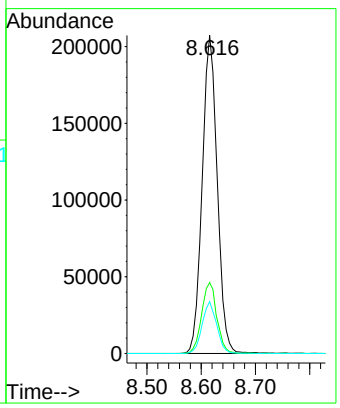


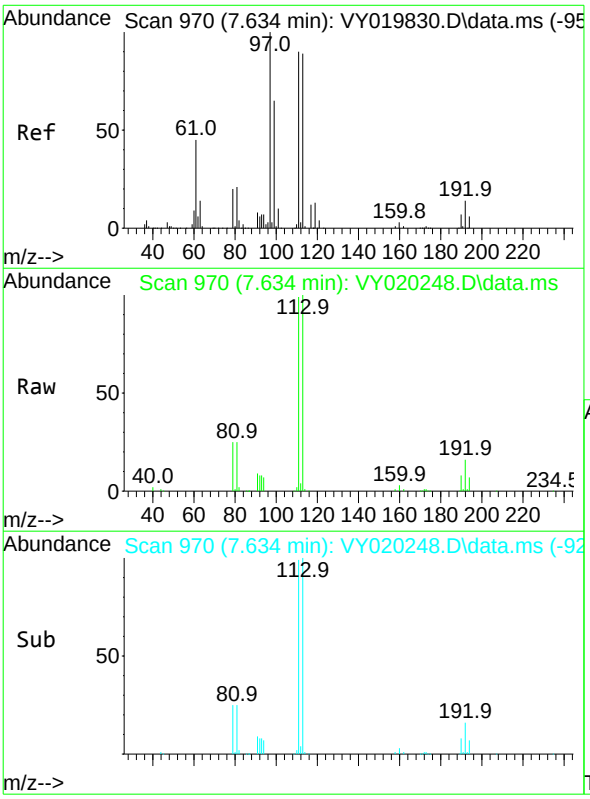
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Tgt Ion:114 Resp: 399773

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	35.0
88	16.3	0.0	27.2

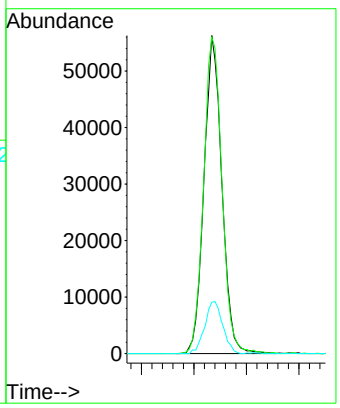


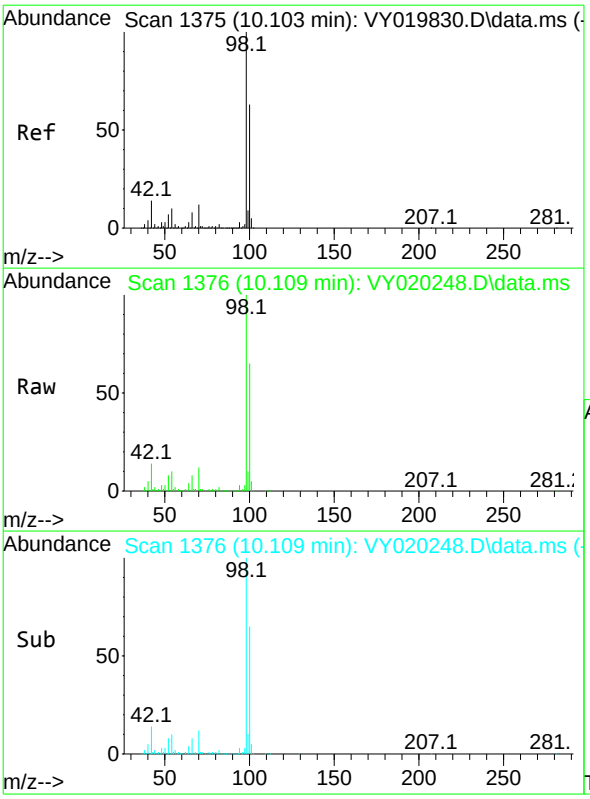


#35
Dibromofluoromethane
Concen: 52.209 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Tgt Ion:113 Resp: 132702

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	16.5	15.9	23.9



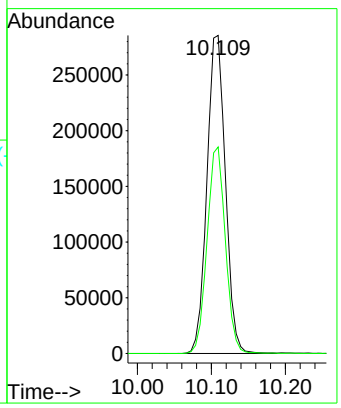


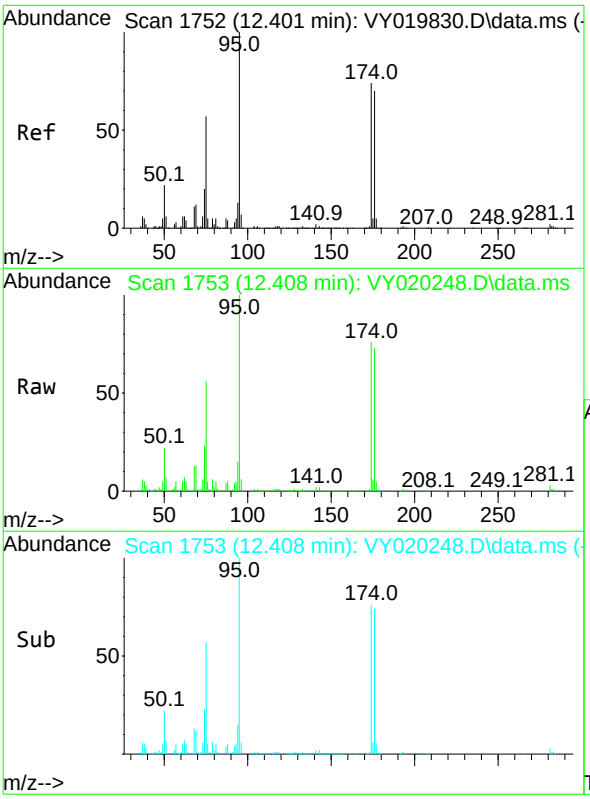
#50
Toluene-d8
Concen: 48.940 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Tgt Ion: 98 Resp: 495141

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

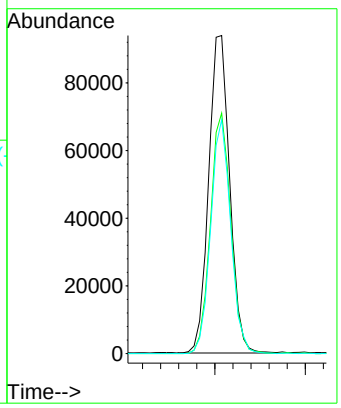


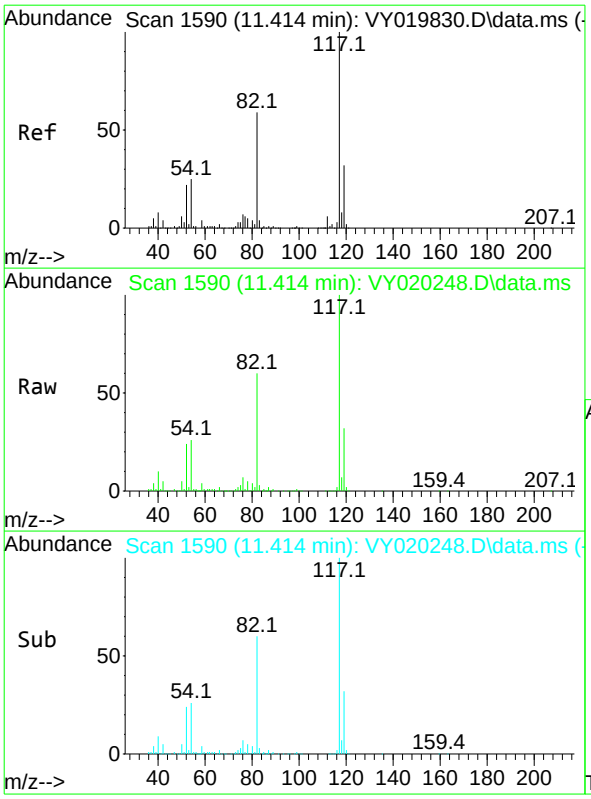


#62
4-Bromofluorobenzene
Concen: 46.024 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Tgt Ion: 95 Resp: 151247

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	175.6
176	69.9	0.0	171.4



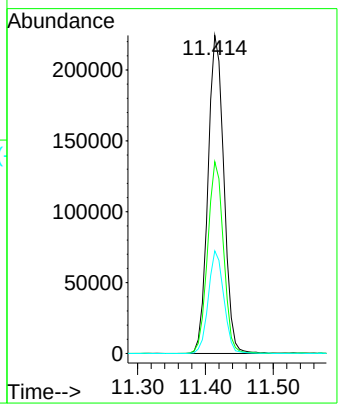


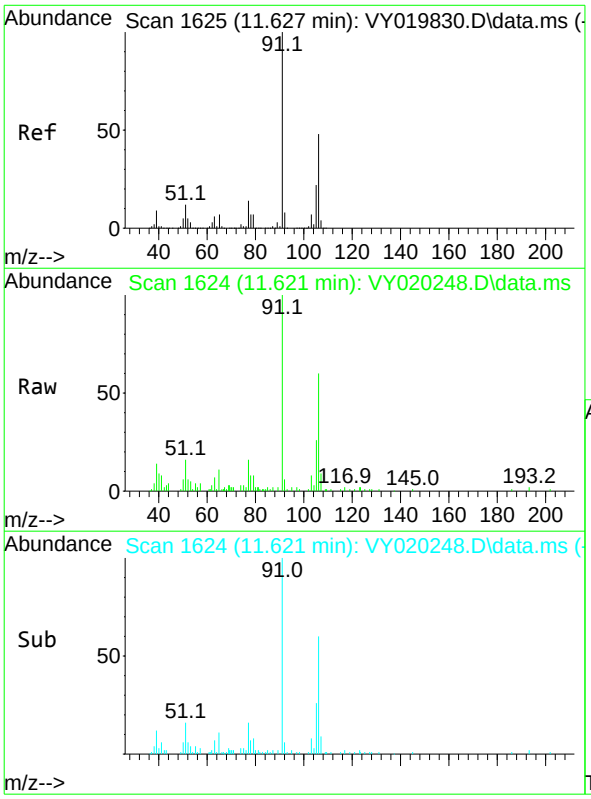
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Tgt Ion:117 Resp: 365761

Ion	Ratio	Lower	Upper
117	100		
82	60.3	42.4	63.6
119	32.3	25.9	38.9

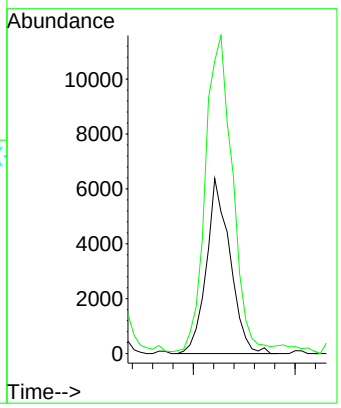


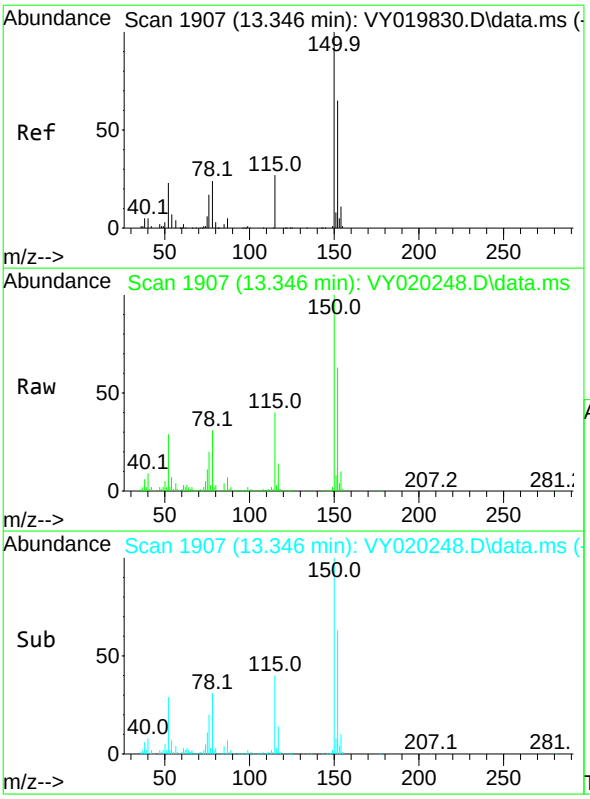


#68
m/p-Xylenes
Concen: 1.934 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Tgt Ion:106 Resp: 10308

Ion	Ratio	Lower	Upper
106	100		
91	205.4	156.0	234.0



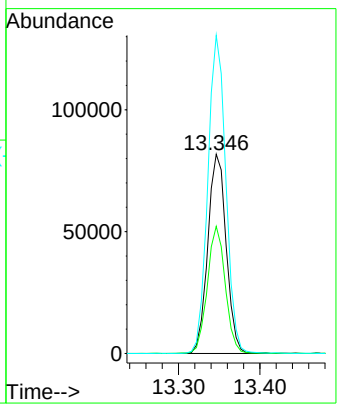


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020248.D
Acq: 11 Nov 2024 15:12

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Tgt Ion:152 Resp: 128461

Ion	Ratio	Lower	Upper
152	100		
115	62.4	28.2	84.7
150	156.0	0.0	345.6



Sample Results: **VY020248.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020248.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	838	848	857	rBV	14061	43935	3.17%	0.614%
2	7.634	961	970	976	rBV	187250	446424	32.20%	6.239%
3	7.713	976	983	994	rVB	270734	629898	45.44%	8.803%
4	8.061	1029	1040	1056	rBV	168210	396831	28.63%	5.546%
5	8.616	1120	1131	1141	rBV	511798	998865	72.06%	13.959%
6	10.109	1368	1376	1388	rBV	787460	1386236	100.00%	19.372%
7	10.505	1435	1441	1449	rBV2	12007	25837	1.86%	0.361%
8	10.877	1494	1502	1507	rBV4	13444	29789	2.15%	0.416%
9	11.414	1583	1590	1601	rBV	748855	1219773	87.99%	17.046%
10	11.517	1601	1607	1615	rBV4	9701	20894	1.51%	0.292%
11	11.627	1616	1625	1635	rBV2	40857	97323	7.02%	1.360%
12	11.950	1671	1678	1686	rBV4	14182	27006	1.95%	0.377%
13	12.408	1745	1753	1763	rVB	505675	837087	60.39%	11.698%
14	12.731	1802	1806	1814	rBV8	9461	19467	1.40%	0.272%
15	13.206	1880	1884	1889	rVB6	13998	22435	1.62%	0.314%
16	13.346	1900	1907	1913	rBV	570930	881595	63.60%	12.320%
17	13.407	1913	1917	1925	rVB3	17125	32169	2.32%	0.450%
18	13.889	1991	1996	2003	rVB2	12059	24197	1.75%	0.338%
19	15.230	2208	2216	2220	rVB3	8691	16040	1.16%	0.224%

Sum of corrected areas: 7155801

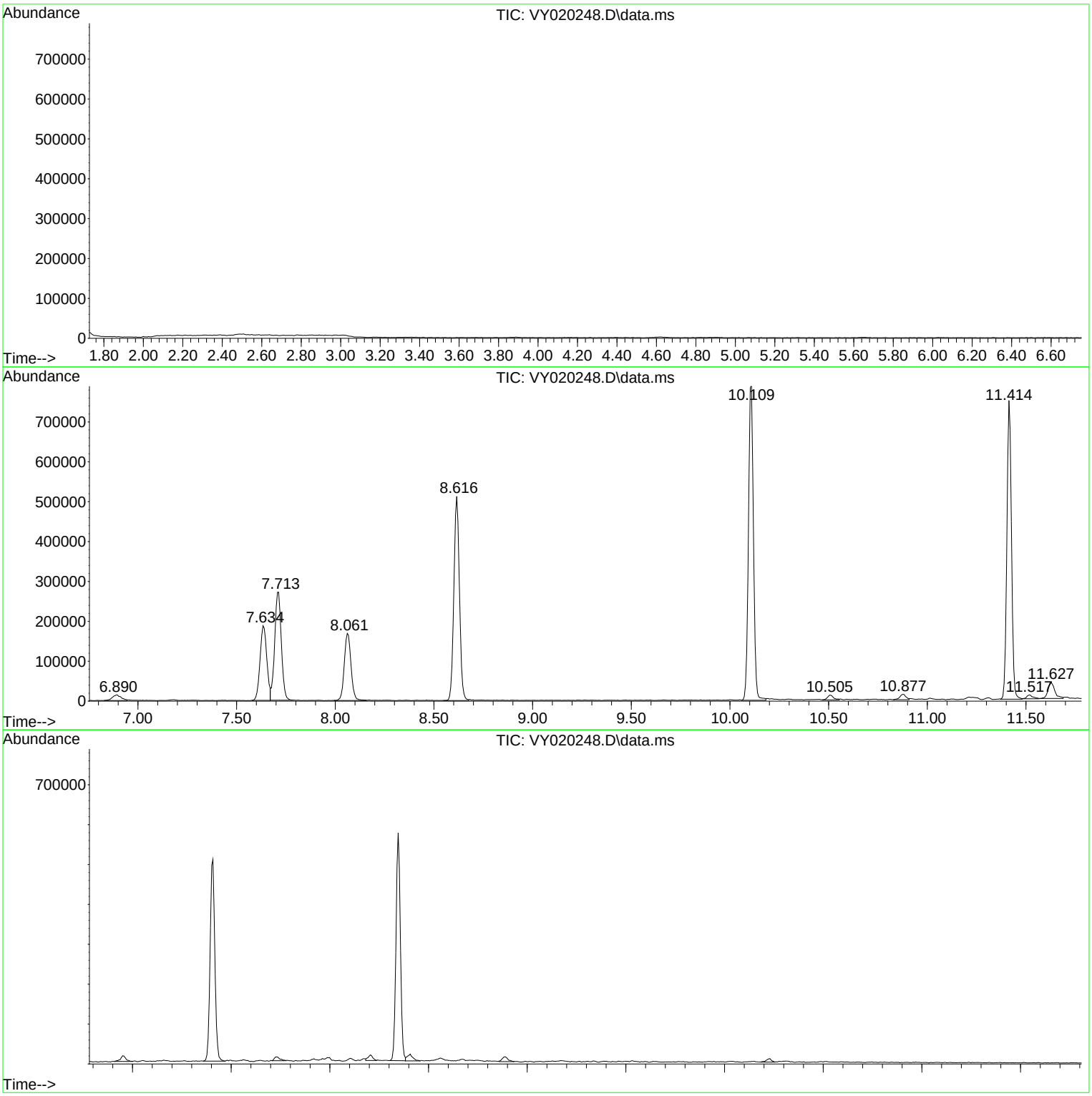
Sample Results: **VY020248.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020248.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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\VY111124\
Data File : VY020248.D
Acq On : 11 Nov 2024 15:12
Operator : SY/MD
Sample : P4768-06
Misc : 2.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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: **VY020249.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	4.90	ug/Kg
67-64-1	Acetone	13.4	J	6.20	24.7	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	4.90	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.90	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.66	U	0.66	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.90	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	4.90	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.7	ug/Kg
108-88-3	Toluene	1.50	J	0.66	4.90	ug/Kg

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.7	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.90	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.90	ug/Kg
100-41-4	Ethyl Benzene	29.3		0.61	4.90	ug/Kg
179601-23-1	m/p-Xylenes	130		1.30	9.90	ug/Kg
95-47-6	o-Xylene	44.4		0.69	4.90	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.90	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.73	U	0.73	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.79	U	0.79	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.78	U	0.78	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.8		50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	50.6		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		29 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	7.713			
540-36-3	1,4-Difluorobenzene	390000	8.616			
3114-55-4	Chlorobenzene-d5	372000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020249.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.4
Sample Wt/Vol:	5.3 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020249.D	1		11/11/24 15:35	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001795-27-3	Cyclohexane, 1,3,5-trimethyl-, (1.	15.8	J		10.9	ug/Kg
001678-91-7	Cyclohexane, ethyl-	9.70	J		11.0	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	18.6	J		11.0	ug/Kg
003074-71-3	Heptane, 2,3-dimethyl-	8.90	J		11.1	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	60.7	J		11.2	ug/Kg
002216-33-3	Octane, 3-methyl-	24.9	J		11.3	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	13.4	J		11.7	ug/Kg
000124-18-5	Decane	40.8	J		12.7	ug/Kg
002847-72-5	Decane, 4-methyl-	10.1	J		13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	8.90	J		13.2	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

Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Quant Time: Nov 11 23:17:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	182405	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	389693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	371704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138450	60.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.640%			
35) Dibromofluoromethane	7.634	113	129480	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.109	98	498571	50.553	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.402	95	162690	50.787	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.580%			
Target Compounds						Qvalue
16) Acetone	3.873	43	7159	13.522	ug/l #	80
52) Toluene	10.170	92	10572	1.535	ug/l	92
67) Ethyl Benzene	11.518	91	439351	29.675	ug/l	100
68) m/p-Xylenes	11.627	106	720033	132.927	ug/l	90
69) o-Xylene	11.956	106	230095	44.867	ug/l	92

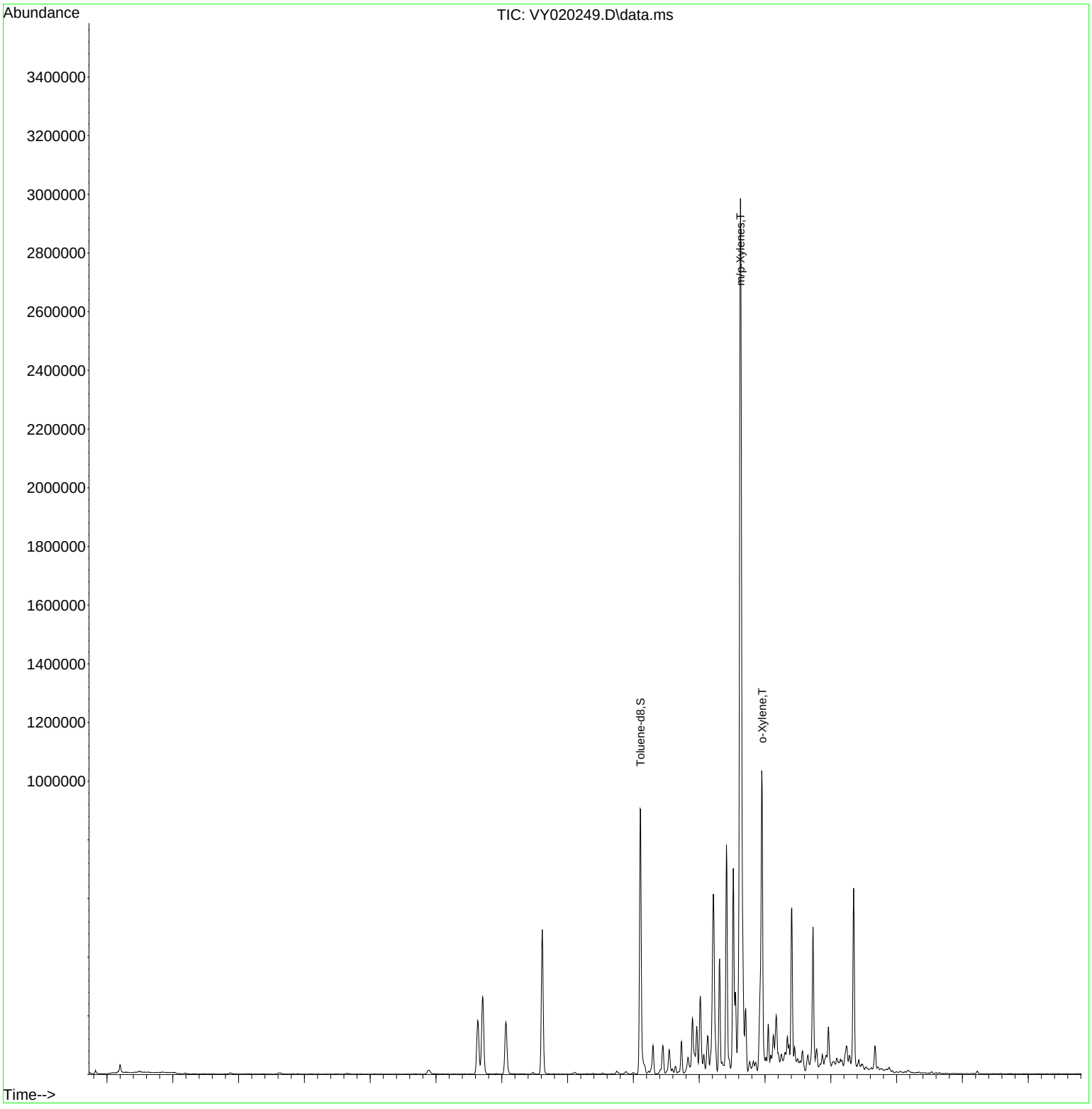
(#) = qualifier out of range (m) = manual integration (+) = signals summed

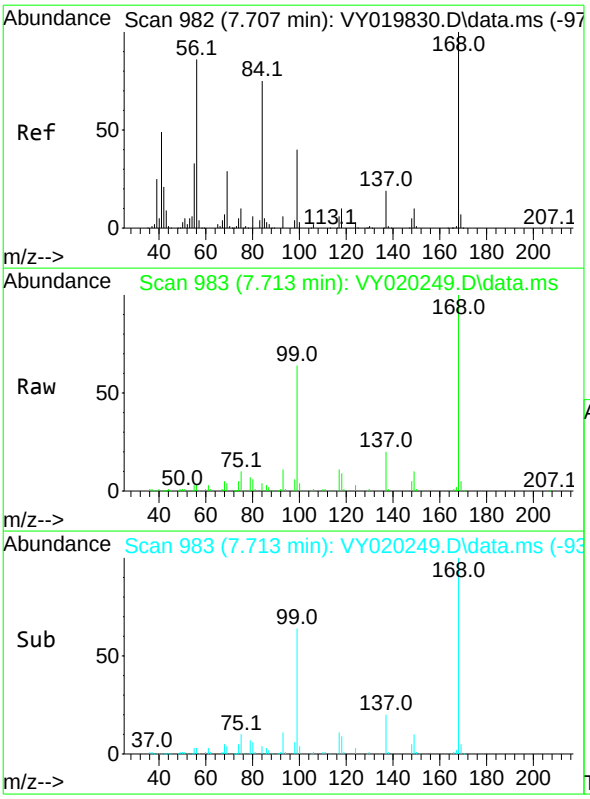
Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Quant Time: Nov 11 23:17:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration



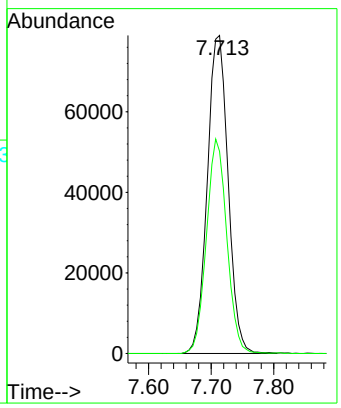


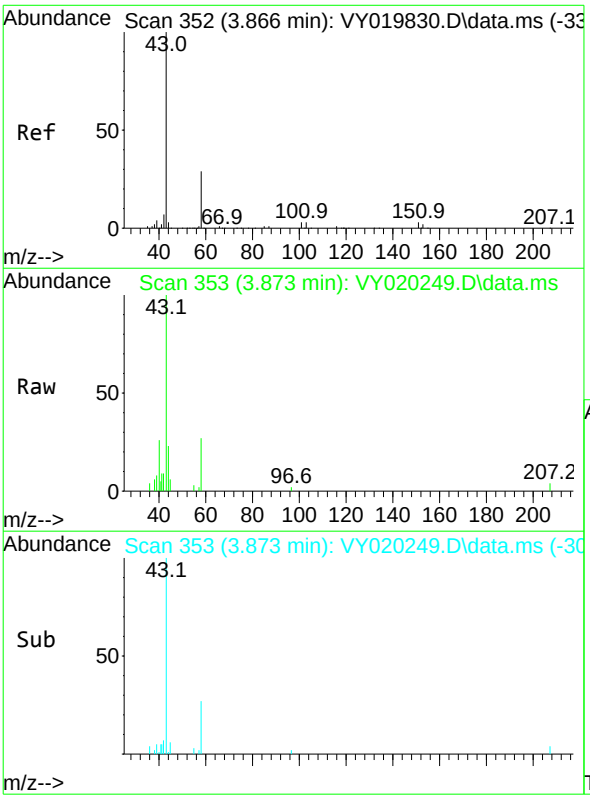
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion:168 Resp: 182405

Ion	Ratio	Lower	Upper
168	100		
99	63.6	39.1	58.7#

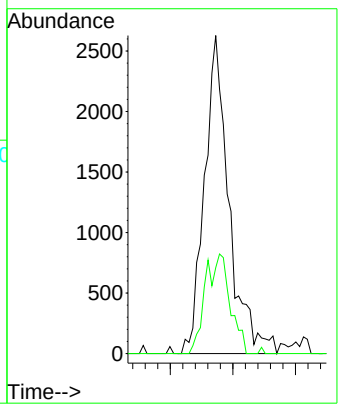


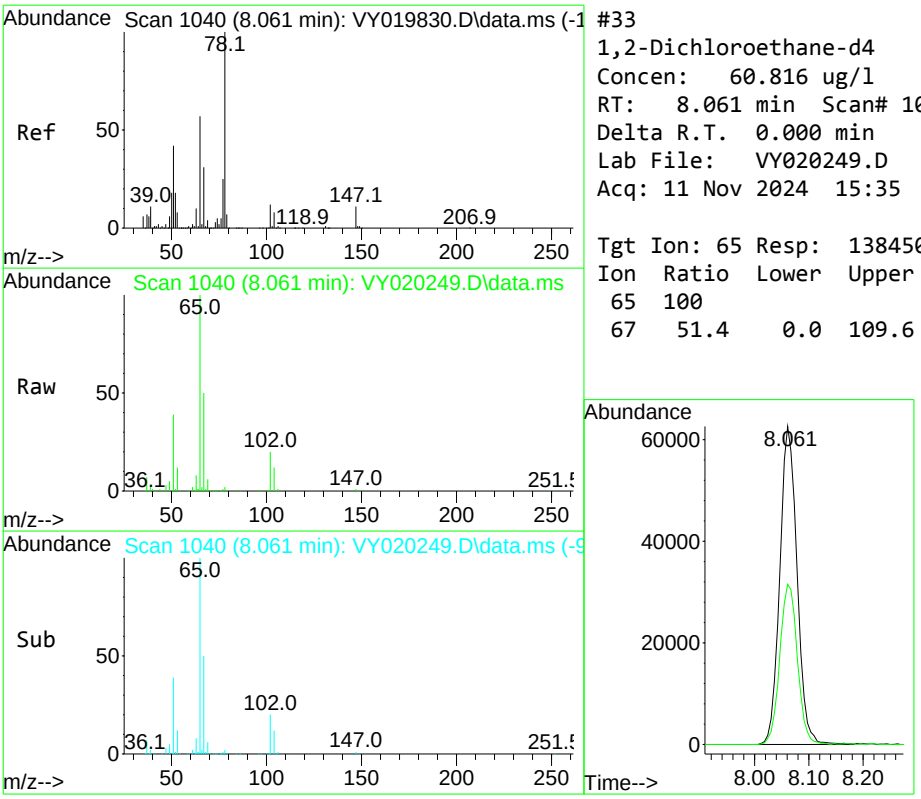


#16
Acetone
Concen: 13.522 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 43 Resp: 7159

Ion	Ratio	Lower	Upper
43	100		
58	27.0	31.7	47.5#



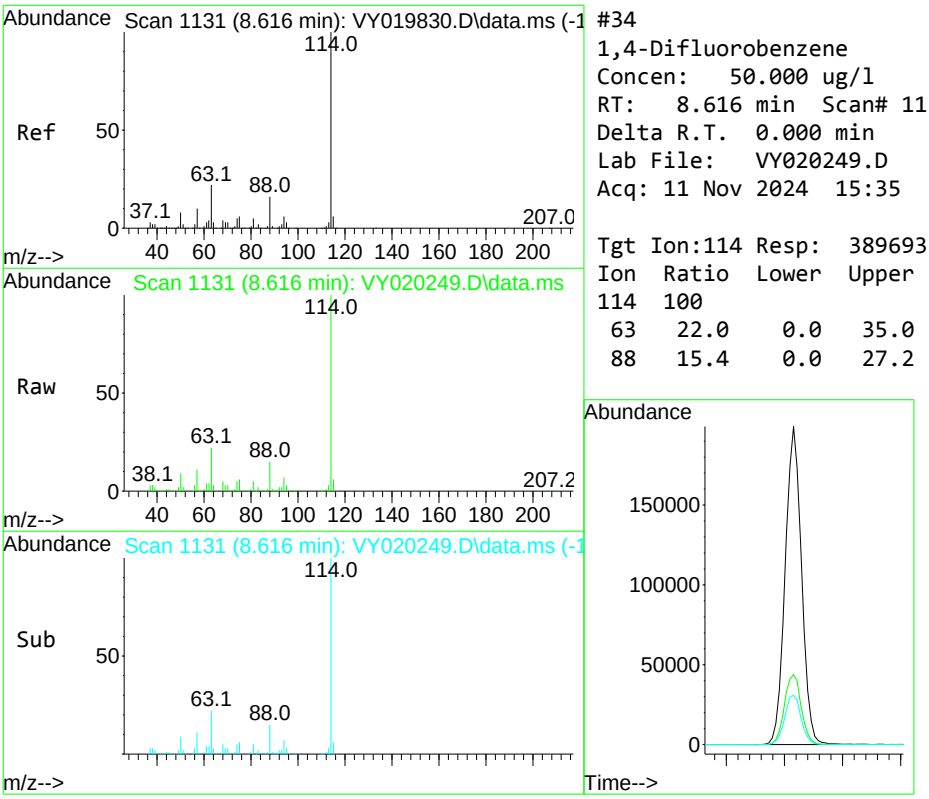


#33
1,2-Dichloroethane-d4
Concen: 60.816 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion: 65 Resp: 138450

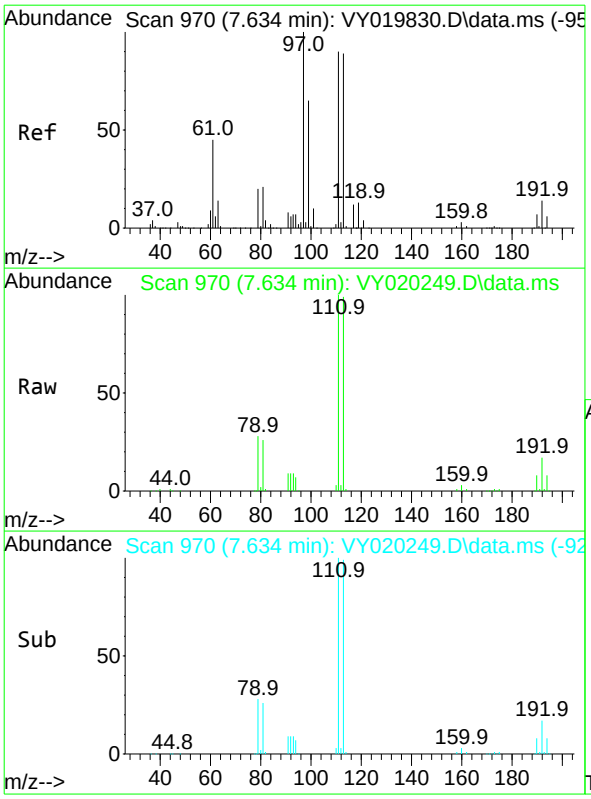
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion:114 Resp: 389693

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	35.0
88	15.4	0.0	27.2

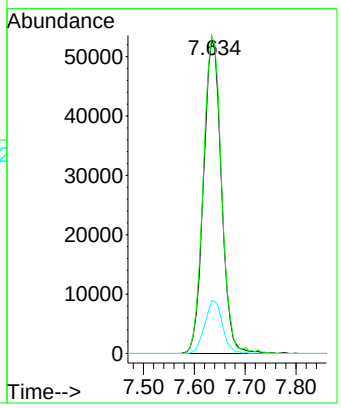


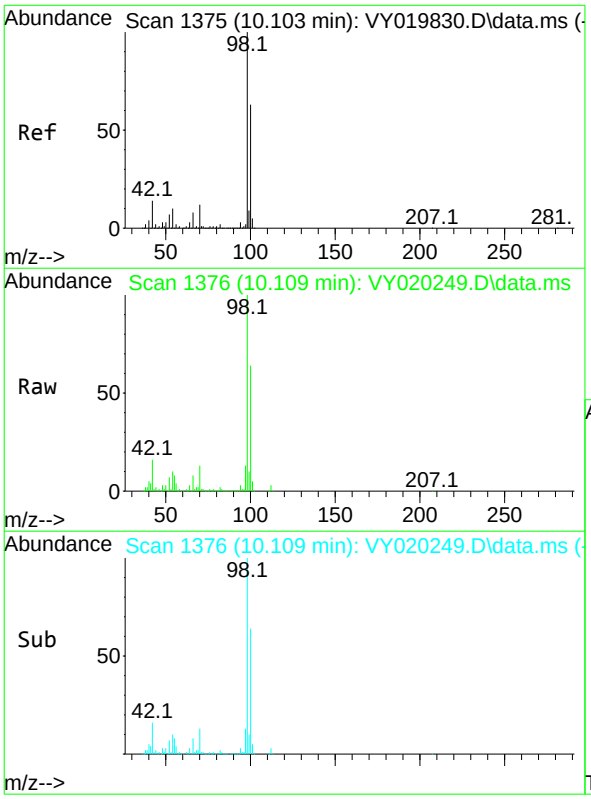
#35
Dibromofluoromethane
Concen: 52.259 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion:113 Resp: 129480

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	16.8	15.9	23.9

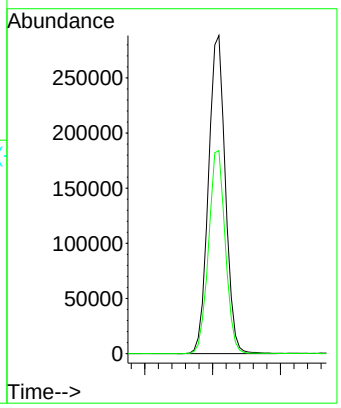


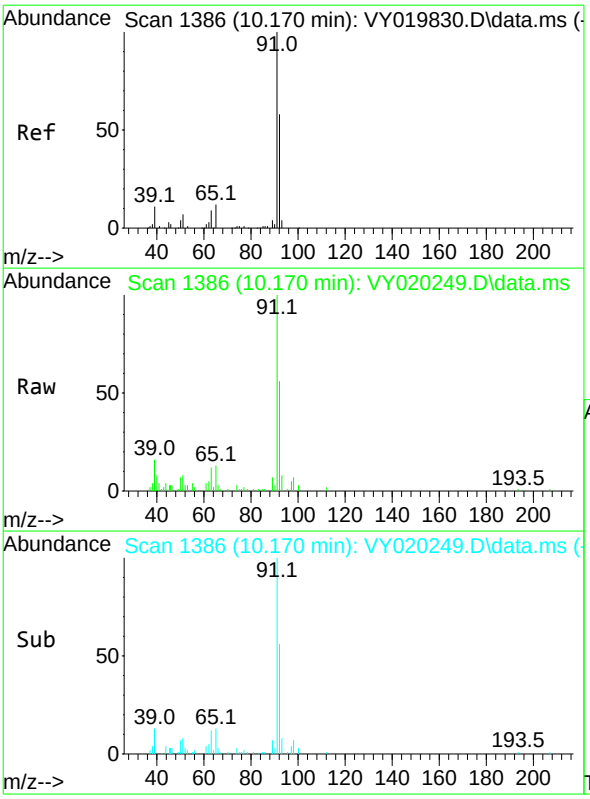


#50
Toluene-d8
Concen: 50.553 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 98 Resp: 498571

Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.0	78.0



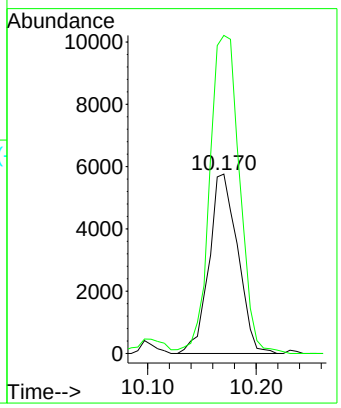


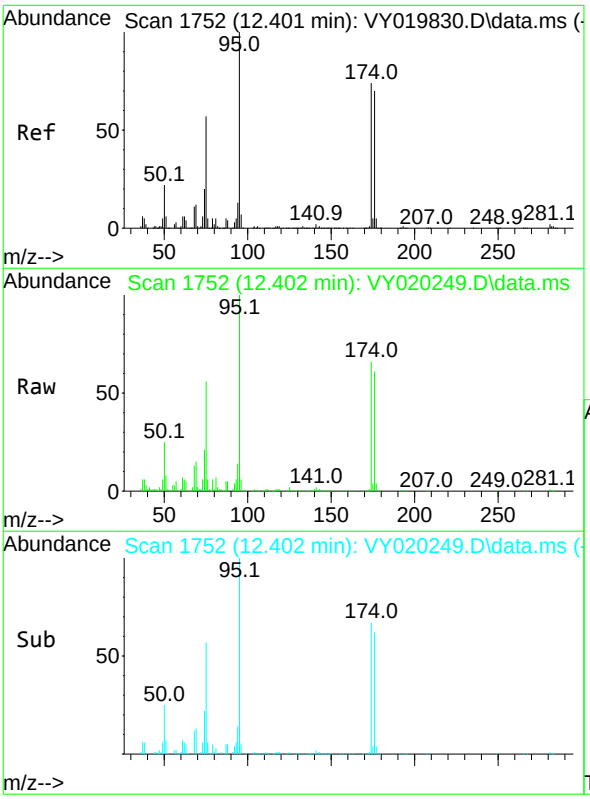
#52
Toluene
Concen: 1.535 ug/l
RT: 10.170 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion: 92 Resp: 10572

Ion	Ratio	Lower	Upper
92	100		
91	184.3	139.0	208.6

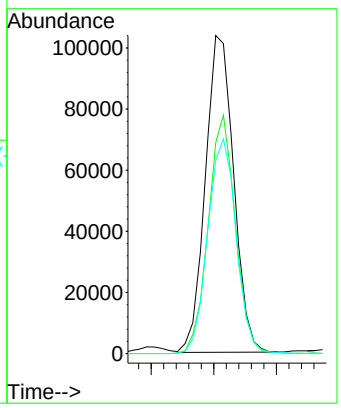


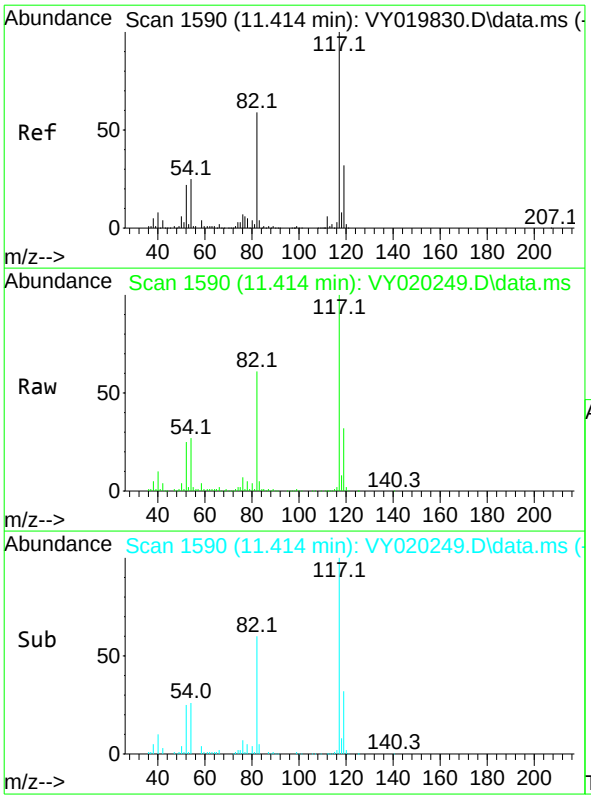


#62
4-Bromofluorobenzene
Concen: 50.787 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 95 Resp: 162690

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	175.6
176	68.1	0.0	171.4



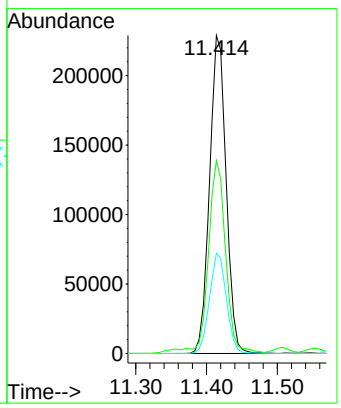


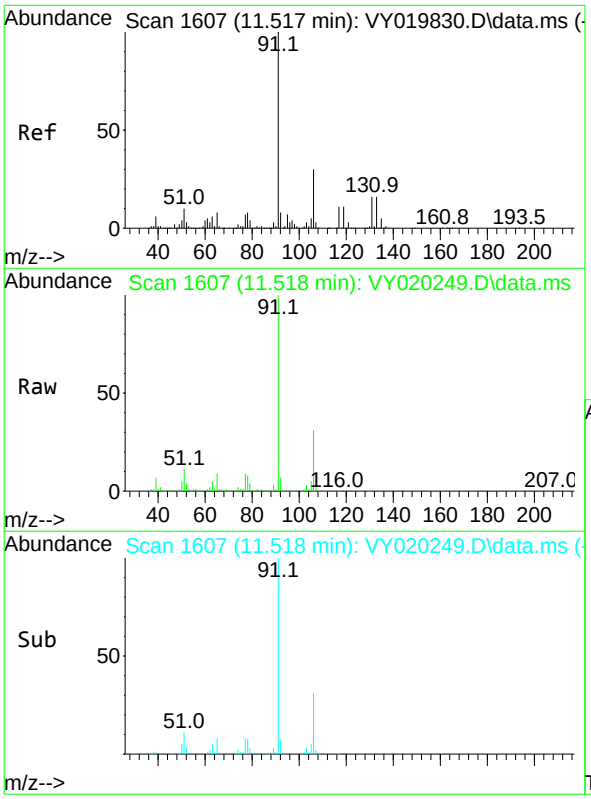
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion:117 Resp: 371704

Ion	Ratio	Lower	Upper
117	100		
82	59.3	42.4	63.6
119	31.5	25.9	38.9

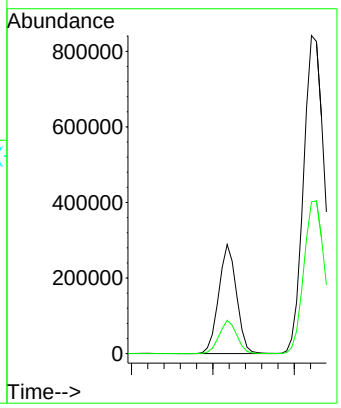


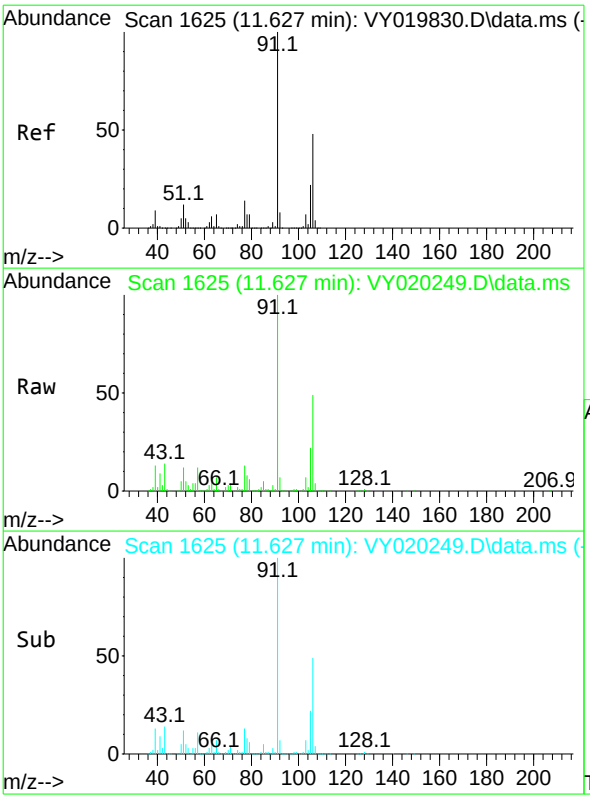


#67
Ethyl Benzene
Concen: 29.675 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion: 91 Resp: 439351

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7



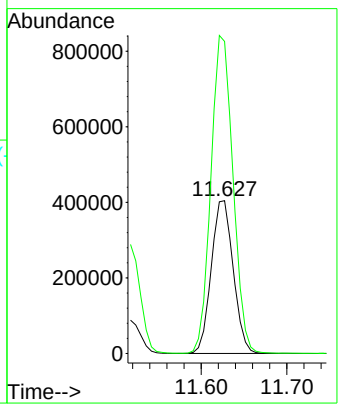


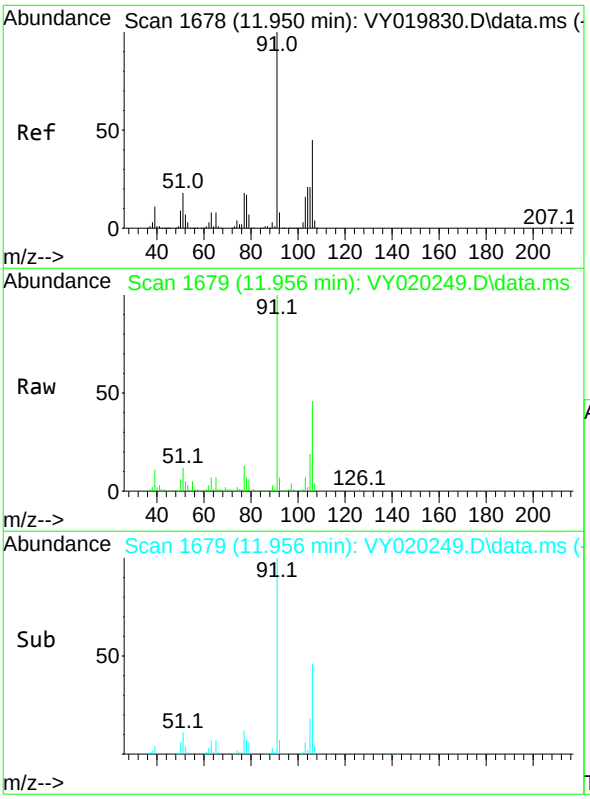
#68
m/p-Xylenes
Concen: 132.927 ug/l
RT: 11.627 min Scan# 16
Delta R.T. -0.006 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion:106 Resp: 720033

Ion	Ratio	Lower	Upper
106	100		
91	209.3	156.0	234.0

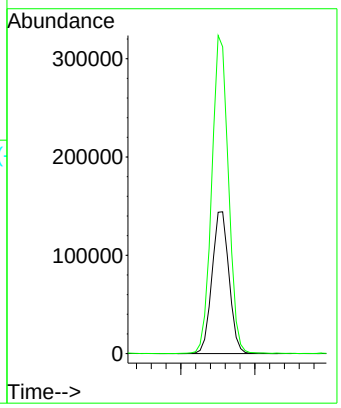


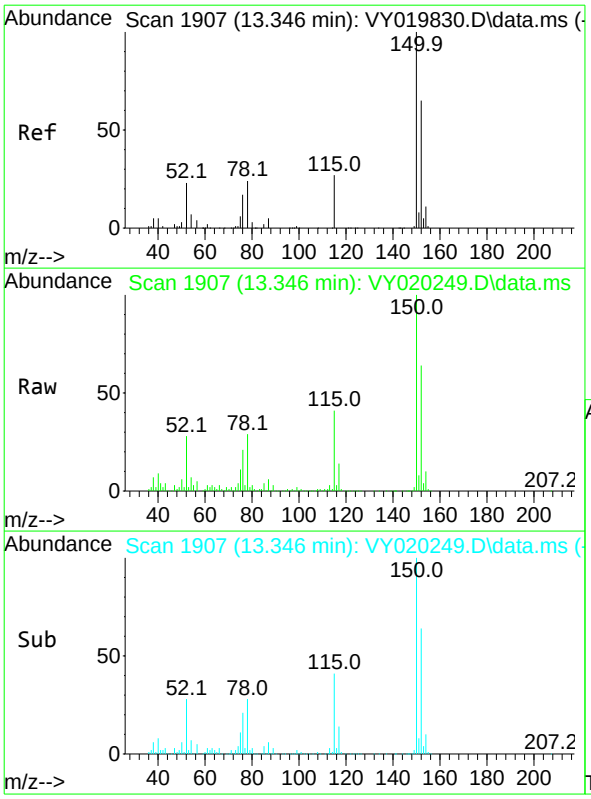


#69
o-Xylene
Concen: 44.867 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Tgt Ion:106 Resp: 230095

Ion	Ratio	Lower	Upper
106	100		
91	220.0	103.6	310.8



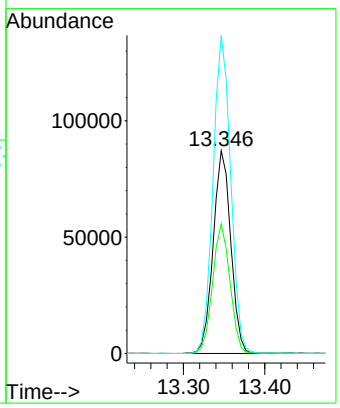


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020249.D
Acq: 11 Nov 2024 15:35

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Tgt Ion:152 Resp: 131499

Ion	Ratio	Lower	Upper
152	100		
115	63.1	28.2	84.7
150	156.3	0.0	345.6



Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020249.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	960	970	976	rBV	181790	443637	6.33%	1.799%
2	7.707	976	982	993	rVB	262603	611510	8.73%	2.480%
3	8.061	1030	1040	1053	rBV	176743	413483	5.90%	1.677%
4	8.616	1122	1131	1142	rBV	492411	967547	13.81%	3.924%
5	10.103	1367	1375	1391	rBV	903475	1721803	24.57%	6.982%
6	10.298	1398	1407	1415	rVB	96680	183665	2.62%	0.745%
7	10.445	1426	1431	1438	rVB2	95032	172955	2.47%	0.701%
8	10.542	1438	1447	1453	rBV2	80450	163170	2.33%	0.662%
9	10.731	1473	1478	1483	rVB	106918	168291	2.40%	0.682%
10	10.829	1483	1494	1499	rBV2	53303	127997	1.83%	0.519%
11	10.896	1499	1505	1512	rVV	177465	385190	5.50%	1.562%
12	10.963	1512	1516	1520	rVV	145586	235354	3.36%	0.954%
13	11.018	1520	1525	1531	rVV	245610	452520	6.46%	1.835%
14	11.127	1537	1543	1548	rBV4	111399	217254	3.10%	0.881%
15	11.213	1548	1557	1567	rVB3	603509	1478133	21.09%	5.994%
16	11.310	1567	1573	1578	rBV	382697	606240	8.65%	2.458%
17	11.414	1584	1590	1596	rBV	754094	1203980	17.18%	4.882%
18	11.518	1600	1607	1611	rBV	681420	1155437	16.49%	4.686%
19	11.548	1611	1612	1616	rVV	247234	277370	3.96%	1.125%
20	11.627	1616	1625	1635	rVV2	2951780	7007844	100.00%	28.418%
21	11.707	1635	1638	1643	rVB	213919	325677	4.65%	1.321%
22	11.950	1667	1678	1686	rBV2	1021992	2149864	30.68%	8.718%
23	12.048	1690	1694	1698	rVB	128675	160668	2.29%	0.652%
24	12.127	1703	1707	1710	rBV4	79135	124990	1.78%	0.507%
25	12.170	1710	1714	1718	rVB3	128396	210885	3.01%	0.855%
26	12.341	1739	1742	1744	rVV	90138	119407	1.70%	0.484%
27	12.408	1748	1753	1757	rVV	525265	827628	11.81%	3.356%
28	12.572	1776	1780	1786	rVB5	67674	126655	1.81%	0.514%
29	12.651	1786	1793	1797	rBV5	53925	116508	1.66%	0.472%
30	12.731	1797	1806	1811	rVV2	480607	816870	11.66%	3.313%
31	12.786	1811	1815	1820	rVB4	61876	104228	1.49%	0.423%
32	12.932	1833	1839	1841	rVV3	34617	78764	1.12%	0.319%
33	12.962	1841	1844	1851	rVB	133313	202931	2.90%	0.823%
34	13.237	1881	1889	1894	rBV5	68673	178290	2.54%	0.723%
35	13.346	1900	1907	1916	rVV	612020	989872	14.13%	4.014%
36	13.670	1954	1960	1965	rBV3	78709	132829	1.90%	0.539%

Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

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\82Y103024S.M
Title : SW846 8260

Sum of corrected areas: 24659446

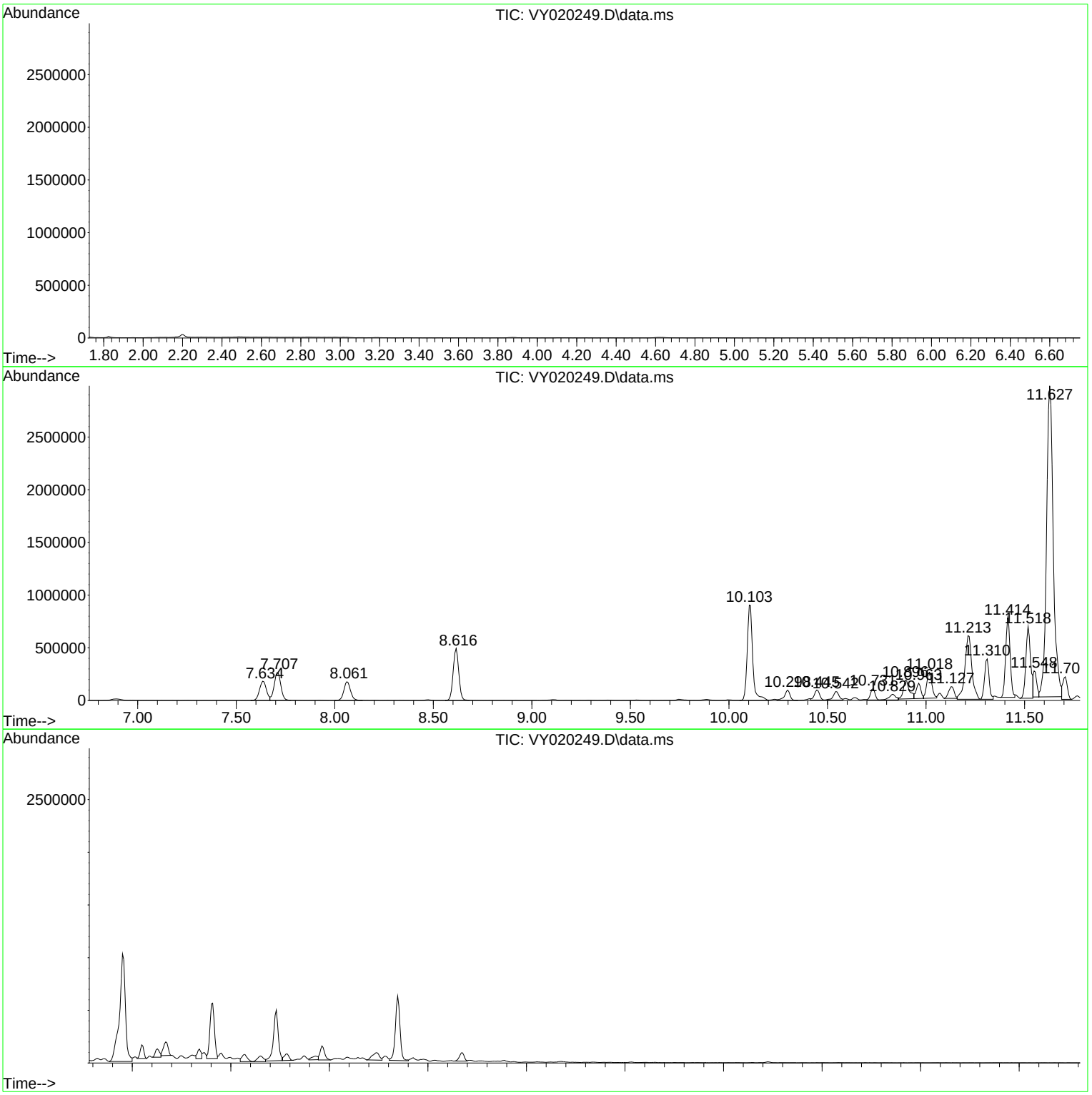
Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

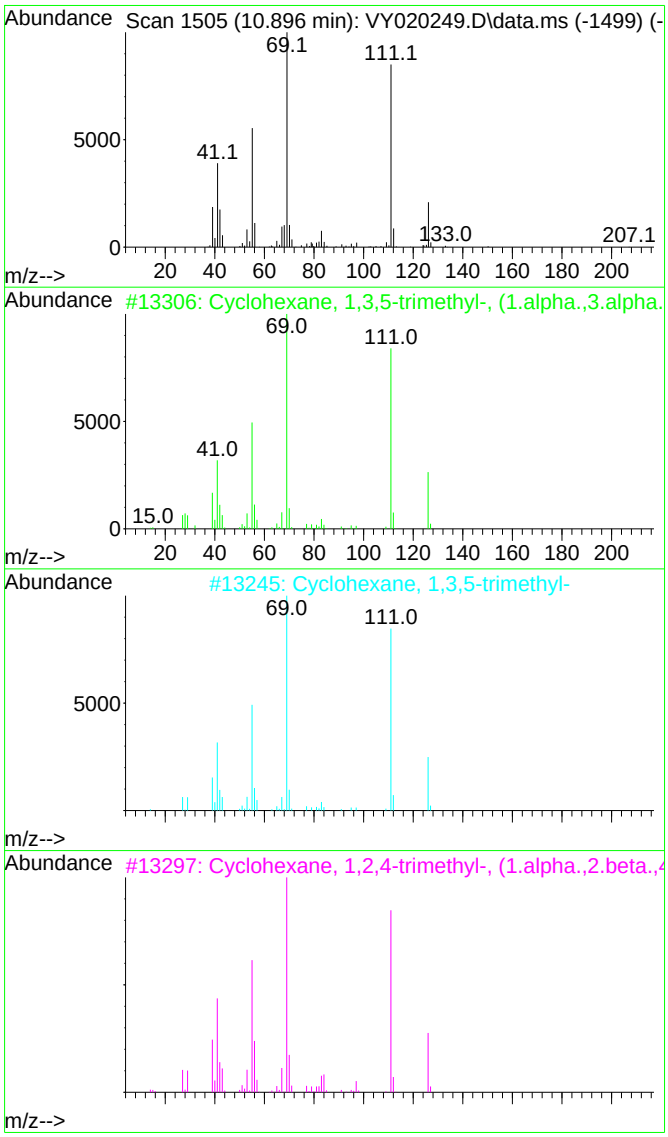
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

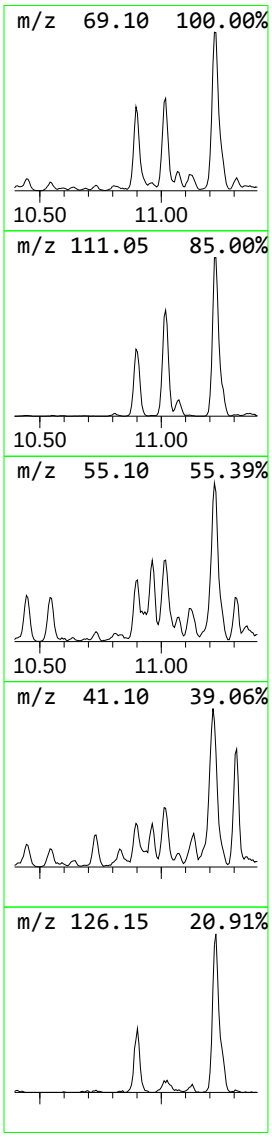
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1,3,5-trimethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.896	16.00 ug/l	385190	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	97
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	95
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	83
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

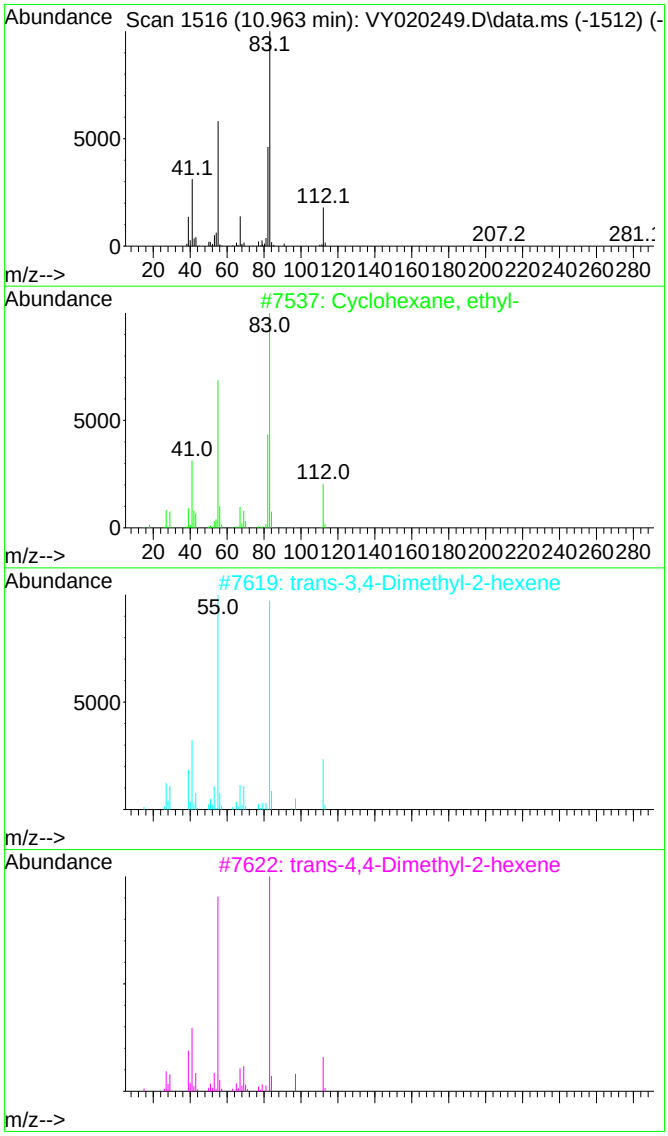
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

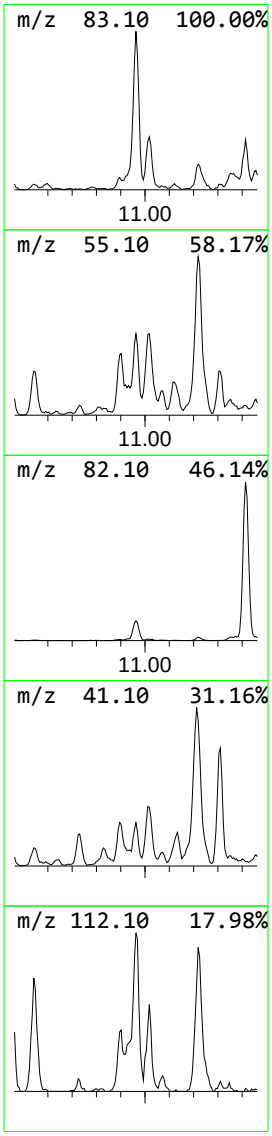
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	9.77 ug/l	235354	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	53
3	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	53
4	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	50
5	Oxalic acid, dicyclohexyl ester	254	C14H22O4	1000309-30-9	50





Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

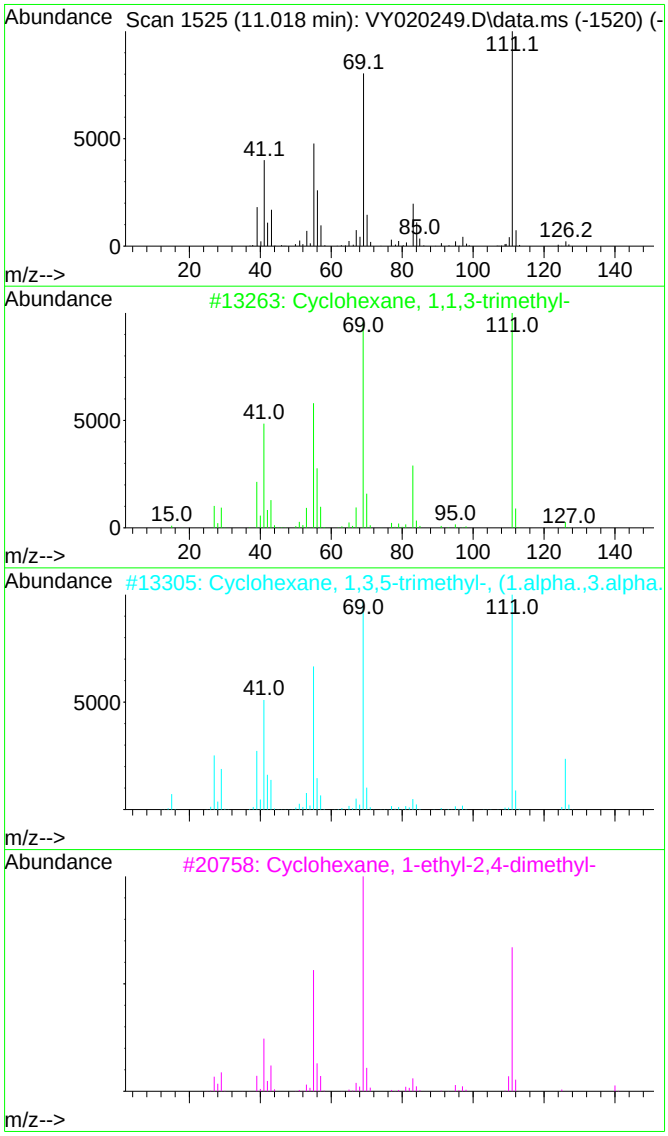
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

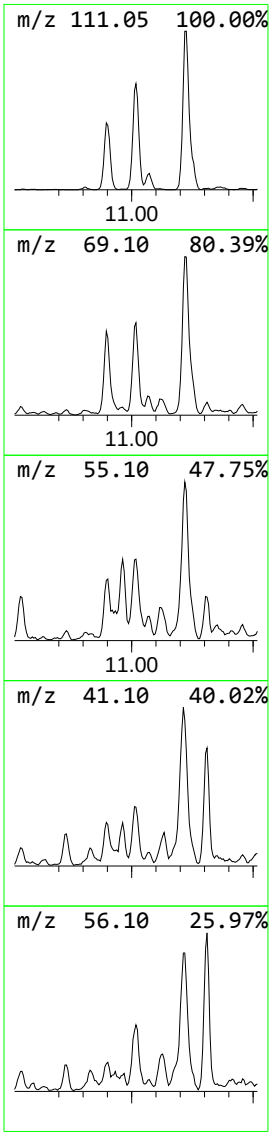
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	18.79 ug/l	452520	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

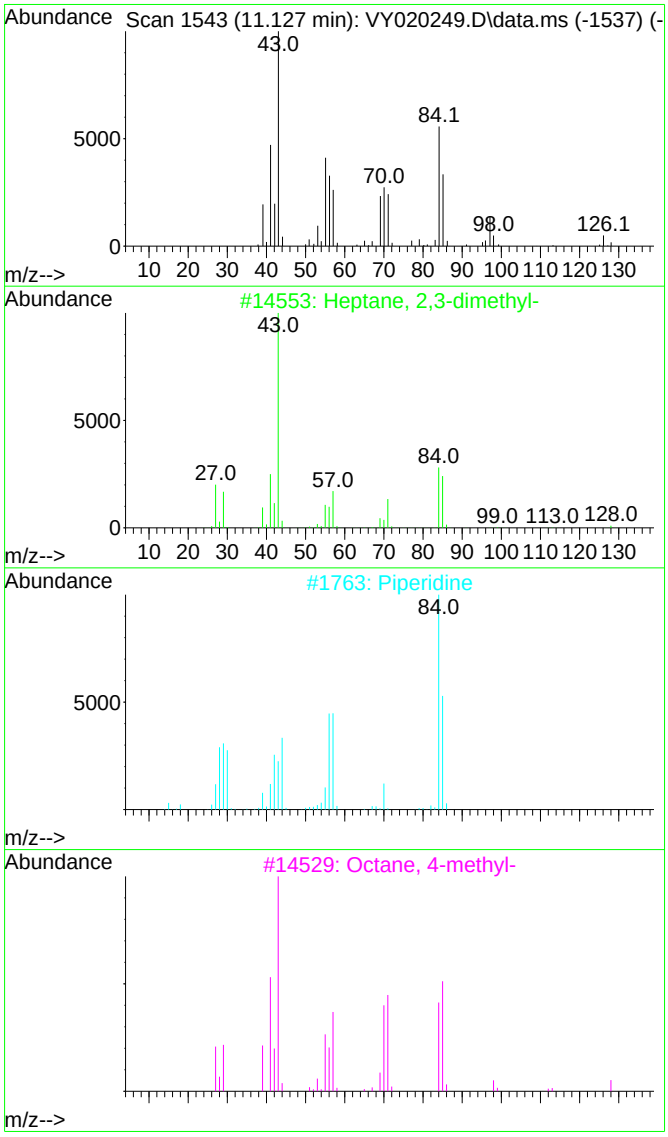
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

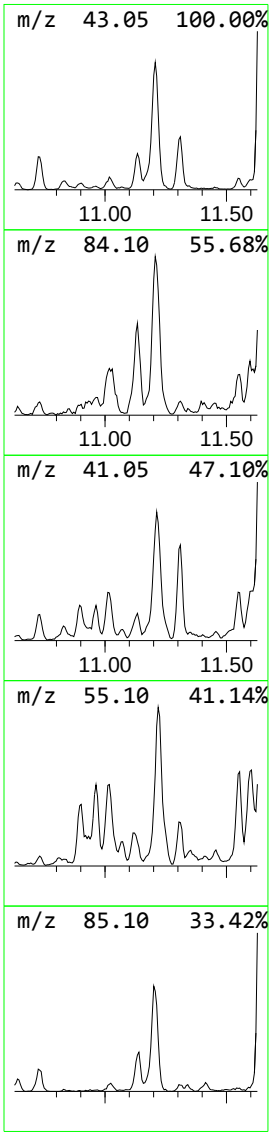
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.127	9.02 ug/l	217254	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
2	Piperidine	85	C5H11N	000110-89-4	49
3	Octane, 4-methyl-	128	C9H20	002216-34-4	47
4	Nonane, 4-ethyl-5-methyl-	170	C12H26	001632-71-9	45
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43





Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

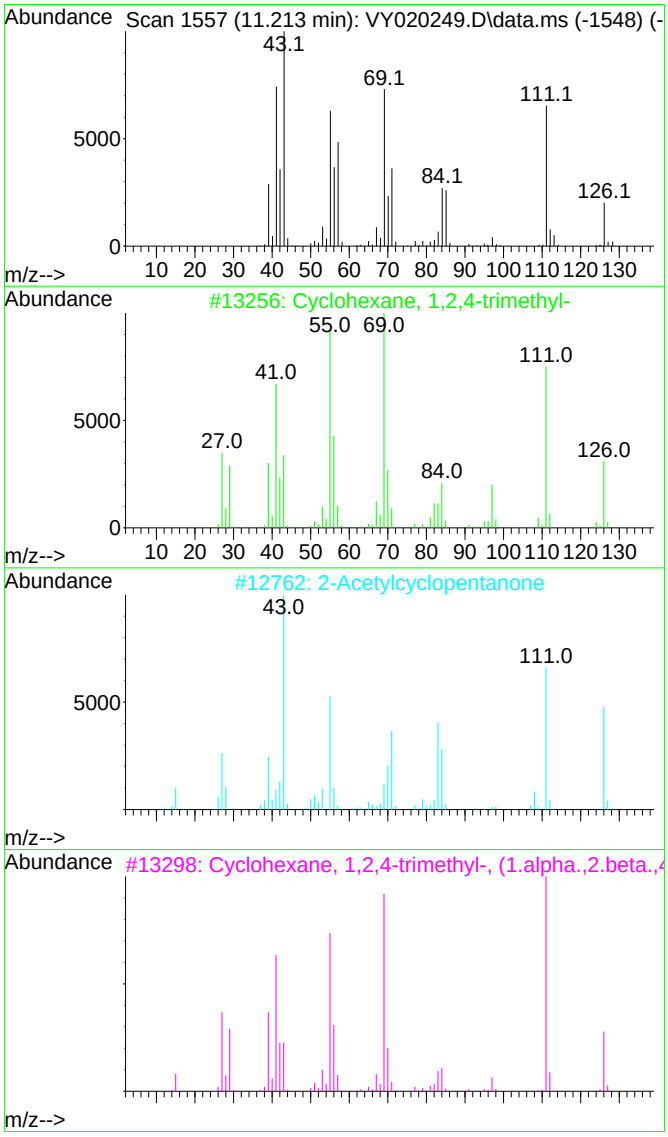
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

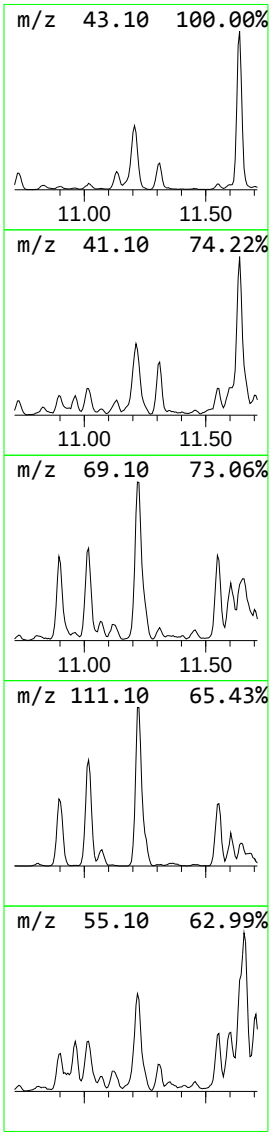
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.213	61.39 ug/l	1478130	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	64
2	2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	58
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	55
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	50
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	46





Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

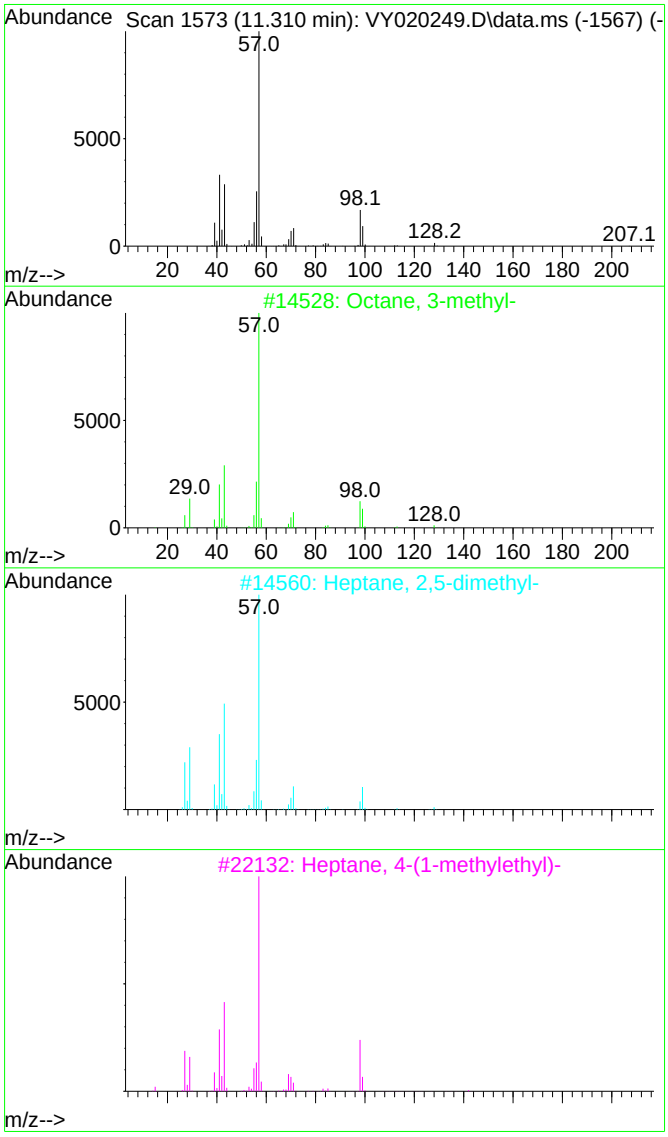
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

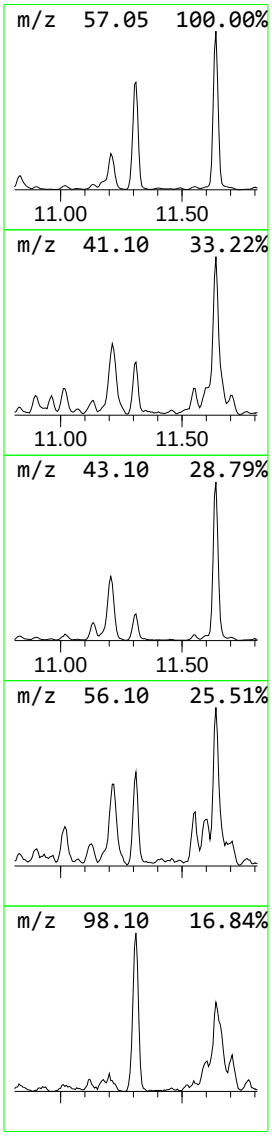
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	25.18 ug/l	606240	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

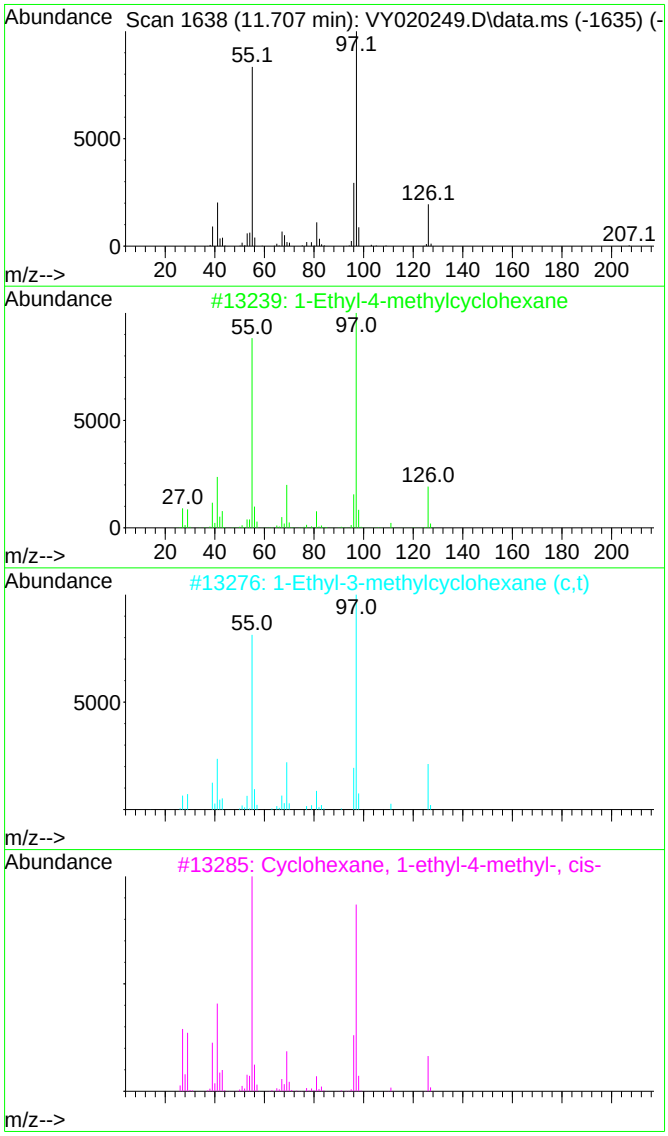
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

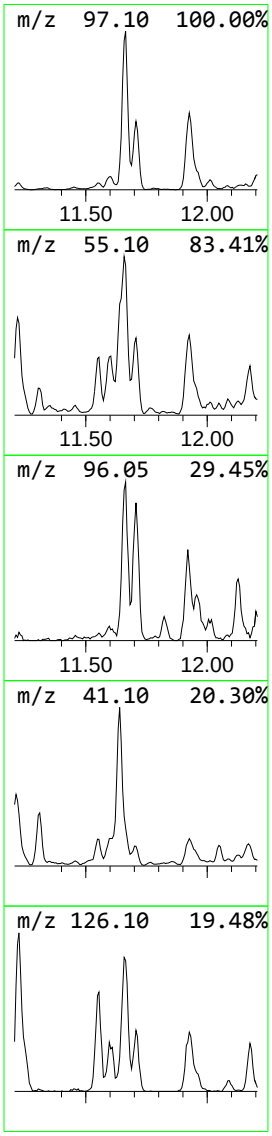
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Ethyl-4-methylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.707	13.53 ug/l	325677	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

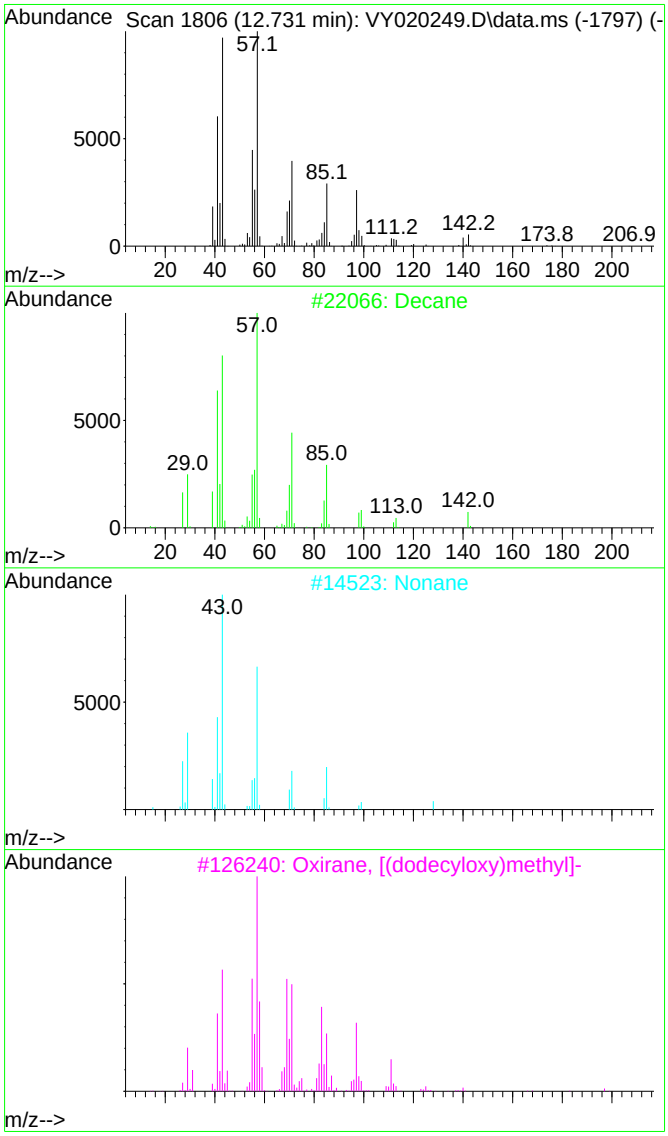
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

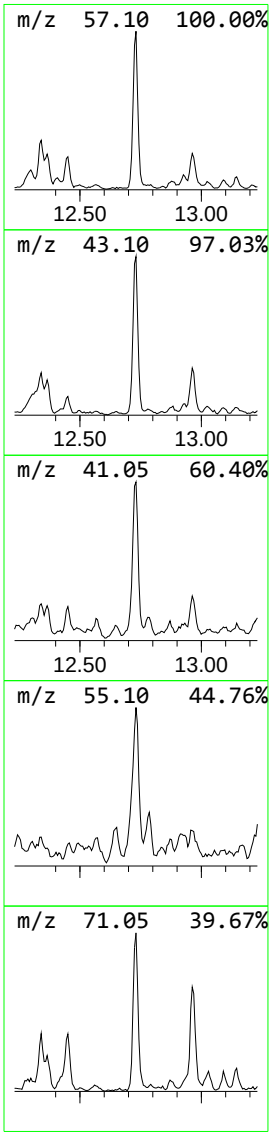
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Decane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	41.26 ug/l	816870	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Nonane	128	C9H20	000111-84-2	72
3	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	72
4	Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	64
5	Undecane	156	C11H24	001120-21-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

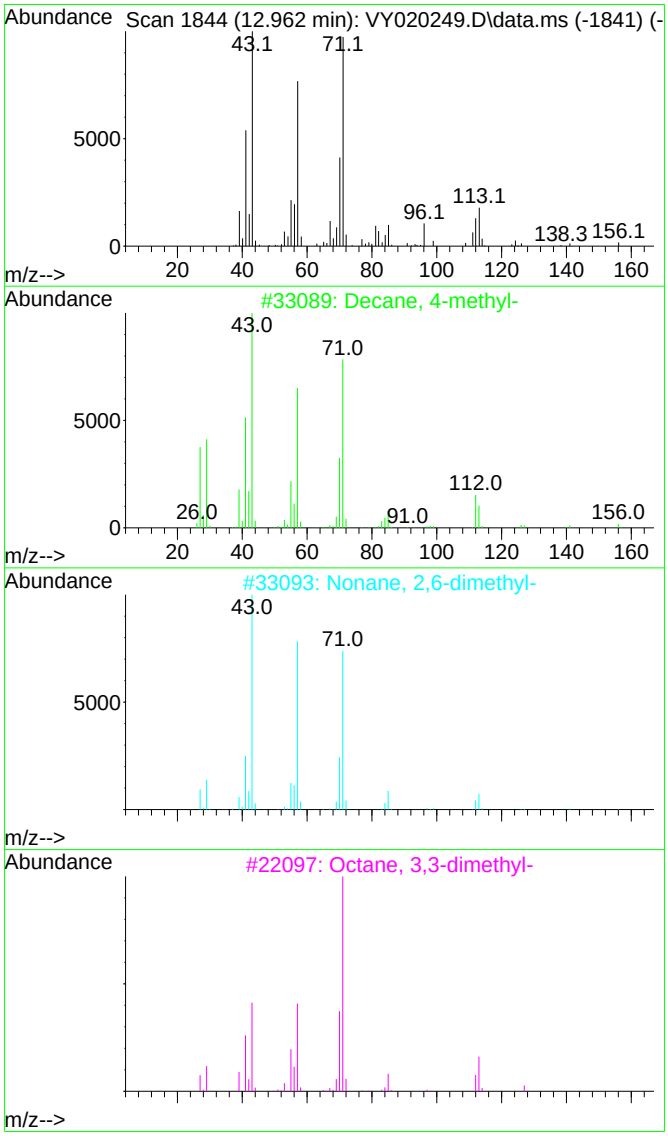
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

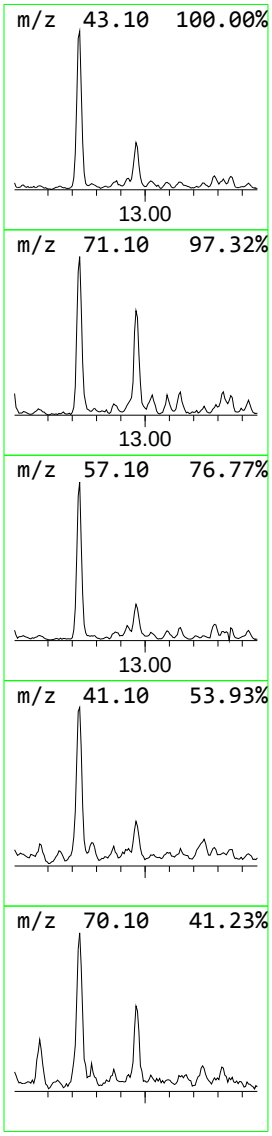
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.962	10.25 ug/l	202931	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	93
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	81
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53





Sample Results: **VY020249.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

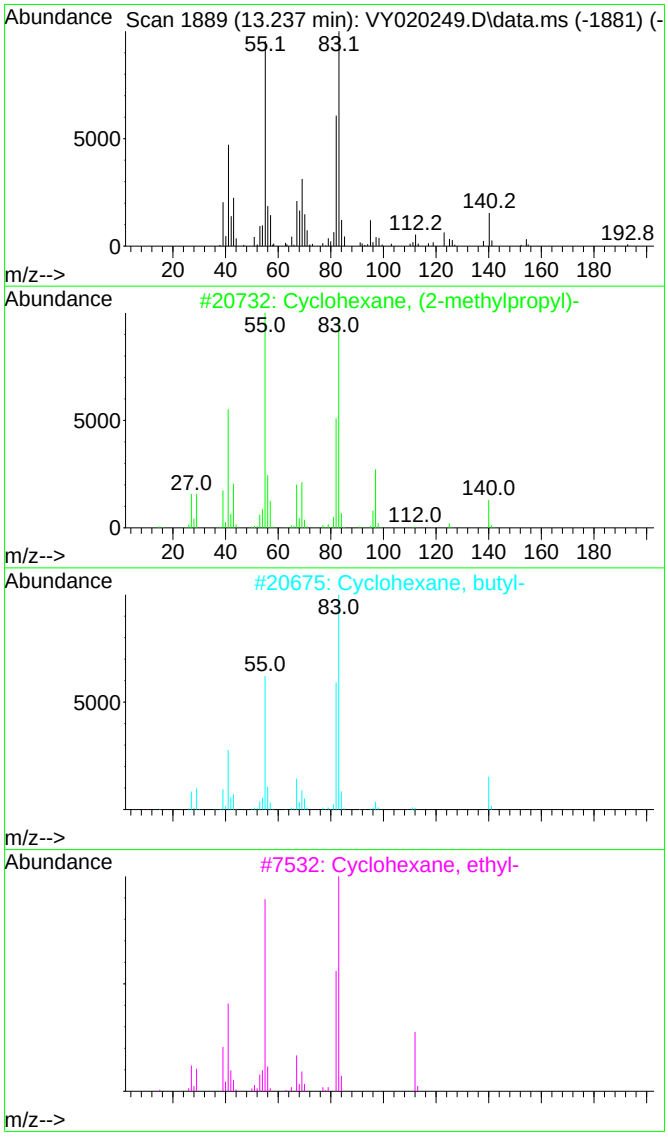
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

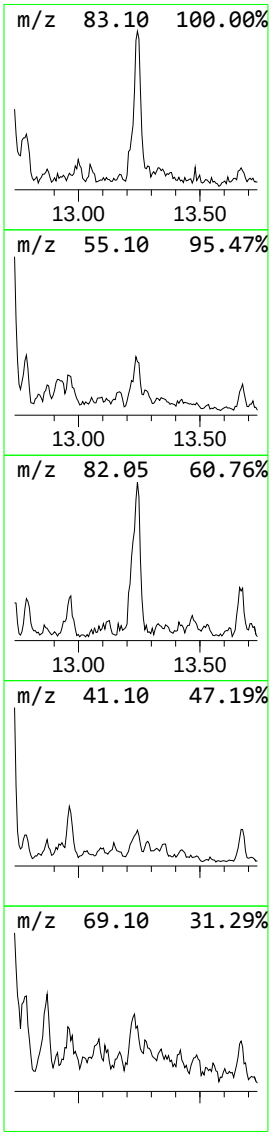
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, (2-methylpropyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	9.01 ug/l	178290	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	90
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020249.D
Acq On : 11 Nov 2024 15:35
Operator : SY/MD
Sample : P4768-07
Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-6-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
Cyclohexane, 1,...	10.896	16.0	ug/l	385190	3	11.414	1203980	50.0
Cyclohexane, et...	10.963	9.8	ug/l	235354	3	11.414	1203980	50.0
Cyclohexane, 1,...	11.018	18.8	ug/l	452520	3	11.414	1203980	50.0
Heptane, 2,3-di...	11.127	9.0	ug/l	217254	3	11.414	1203980	50.0
Cyclohexane, 1,...	11.213	61.4	ug/l	1478130	3	11.414	1203980	50.0
Octane, 3-methyl-	11.310	25.2	ug/l	606240	3	11.414	1203980	50.0
1-Ethyl-4-methy...	11.707	13.5	ug/l	325677	3	11.414	1203980	50.0
Decane	12.731	41.3	ug/l	816870	4	13.347	989872	50.0
Decane, 4-methyl-	12.962	10.3	ug/l	202931	4	13.347	989872	50.0
Cyclohexane, (2...	13.237	9.0	ug/l	178290	4	13.347	989872	50.0

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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.3
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1

* 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.

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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5

* 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 : 82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024
Response Via : Initial Calibration

Calibration Files
5 =VY020075.D 10 =VY020076.D 20 =VY020077.D 50 =VY020078.D 100 =VY020079.D 150 =VY020080.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.46
3)	P	Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.07
4)	C	Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.49#
5)	T	Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.45
6)	T	Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.45
7)	T	Trichlorofluor...	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.92
8)	T	Diethyl Ether	0.261	0.280	0.293	0.252	0.297	0.299	0.280	7.04
9)	T	1,1,2-Trichlor...	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.30
10)	T	Methyl Iodide	0.499	0.541	0.548	0.517	0.577	0.585	0.544	6.16
11)	T	Tert butyl alc...	0.054	0.056	0.047	0.033	0.041	0.039	0.045	19.94
12)	CM	1,1-Dichloroet...	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.15#
13)	T	Acrolein	0.051	0.060	0.059	0.050	0.060	0.056	0.056	8.02
14)	T	Allyl chloride	0.955	0.952	0.980	0.915	1.011	1.028	0.973	4.25
15)	T	Acrylonitrile	0.117	0.129	0.129	0.117	0.139	0.134	0.128	7.05
16)	T	Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.48
17)	T	Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.48
18)	T	Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6.03
19)	T	Methyl tert-bu...	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8.01
20)	T	Methylene Chlo...	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.31
21)	T	trans-1,2-Dich...	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.71
22)	T	Diisopropyl ether	1.824	1.993	2.082	1.893	2.168	2.160	2.020	7.02
23)	T	Vinyl Acetate	0.982	1.112	1.150	1.054	1.274	1.249	1.137	9.87
24)	P	1,1-Dichloroet...	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.46
25)	T	2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.32
26)	T	2,2-Dichloropr...	1.043	0.968	0.957	0.881	0.986	1.004	0.973	5.59
27)	T	cis-1,2-Dichlo...	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.09
28)	T	Bromochloromet...	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.82
29)	T	Tetrahydrofuran	0.102	0.113	0.114	0.104	0.128	0.120	0.114	8.48
30)	C	Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.33#
31)	T	Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.14
32)	T	1,1,1-Trichlor...	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.13
33)	S	1,2-Dichloroet...	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.12
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.66
36)	T	1,1-Dichloropr...	0.482	0.500	0.493	0.450	0.512	0.510	0.491	4.70
37)	T	Ethyl Acetate	0.232	0.226	0.242	0.211	0.255	0.239	0.234	6.37
38)	T	Carbon Tetrach...	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.23
39)	T	Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.60
40)	TM	Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.67
41)	T	Methacrylonitrile	0.079	0.115	0.131	0.119	0.132	0.127	0.117	16.94
42)	TM	1,2-Dichloroet...	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.78
43)	T	Isopropyl Acetate	0.390	0.440	0.462	0.412	0.510	0.487	0.450	10.02
44)	TM	Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.42
45)	C	1,2-Dichloropr...	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6.01#
46)	T	Dibromomethane	0.173	0.185	0.189	0.171	0.200	0.196	0.186	6.41
47)	T	Bromodichlorom...	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.45
48)	T	Methyl methacr...	0.161	0.196	0.218	0.197	0.244	0.236	0.209	14.58
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	10.64
50)	S	Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.79
51)	T	4-Methyl-2-Pen...	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.91
52)	CM	Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.08#
53)	T	t-1,3-Dichloro...	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.35
54)	T	cis-1,3-Dichlo...	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10.05
55)	T	1,1,2-Trichlor...	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.38

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y103024S.M

56)	T	Ethyl methacry...	0.250	0.302	0.337	0.315	0.396	0.388	0.331	16.56
57)	T	1,3-Dichloropr...	0.383	0.411	0.438	0.393	0.464	0.449	0.423	7.67
58)	T	2-Chloroethyl ...	0.132	0.155	0.167	0.160	0.186	0.180	0.163	11.81
59)	T	2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.74
60)	T	Dibromochlorom...	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.31
61)	T	1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.66
62)	S	4-Bromofluorob...	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.49
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.84
65)	PM	Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	4.99
66)	T	1,1,1,2-Tetrac...	0.312	0.332	0.345	0.317	0.365	0.370	0.340	7.12
67)	C	Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.54#
68)	T	m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.18
69)	T	o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.48
70)	T	Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.77
71)	P	Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.41
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.35
74)	T	N-amyl acetate	0.835	0.907	1.004	0.918	1.156	1.171	0.998	13.89
75)	P	1,1,2,2-Tetrac...	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.40
76)	T	1,2,3-Trichlor...	0.387	0.563	0.479	0.428	0.477	0.478	0.469	12.64
77)	T	Bromobenzene	0.830	0.761	0.806	0.742	0.843	0.866	0.808	5.96
78)	T	n-propylbenzene	5.003	4.849	5.049	4.581	5.082	5.263	4.971	4.69
79)	T	2-Chlorotoluene	2.788	2.705	2.774	2.517	2.814	2.958	2.759	5.26
80)	T	1,3,5-Trimethy...	3.201	3.025	3.270	2.973	3.310	3.461	3.207	5.70
81)	T	trans-1,4-Dich...	0.208	0.210	0.211	0.197	0.238	0.243	0.218	8.40
82)	T	4-Chlorotoluene	2.774	2.702	2.871	2.606	2.904	3.025	2.813	5.35
83)	T	tert-Butylbenzene	2.826	2.624	2.798	2.664	2.888	3.024	2.804	5.24
84)	T	1,2,4-Trimethy...	3.062	3.025	3.203	2.942	3.338	3.486	3.176	6.51
85)	T	sec-Butylbenzene	4.277	4.160	4.350	4.002	4.440	4.598	4.305	4.86
86)	T	p-Isopropyltol...	3.296	3.254	3.522	3.235	3.617	3.803	3.454	6.68
87)	T	1,3-Dichlorobe...	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.42
88)	T	1,4-Dichlorobe...	1.680	1.604	1.653	1.487	1.666	1.716	1.634	4.95
89)	T	n-Butylbenzene	3.312	3.215	3.533	3.256	3.663	3.797	3.463	6.88
90)	T	Hexachloroethane	0.669	0.664	0.684	0.628	0.713	0.741	0.683	5.79
91)	T	1,2-Dichlorobe...	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.58
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.59
93)	T	1,2,4-Trichlor...	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.83
94)	T	Hexachlorobuta...	0.403	0.389	0.422	0.389	0.454	0.456	0.419	7.30
95)	T	Naphthalene	1.116	1.209	1.420	1.325	1.760	1.765	1.432	19.22
96)	T	1,2,3-Trichlor...	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.13

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	240434	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.615	114	437202	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	367609	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154264	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	14625	4.940	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 9.880%#				
35) Dibromofluoromethane	7.640	113	13333	4.621	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 9.240%#				
50) Toluene-d8	10.109	98	51902	4.872	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.740%#				
62) 4-Bromofluorobenzene	12.407	95	16208	4.210	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 8.420%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.873	85	12181	5.442	ug/l		99
3) Chloromethane	2.074	50	19992	6.863	ug/l		93
4) Vinyl Chloride	2.214	62	20836	6.500	ug/l		97
5) Bromomethane	2.604	94	15177	7.480	ug/l		88
6) Chloroethane	2.750	64	13521	6.278	ug/l		90
7) Trichlorofluoromethane	3.074	101	24633	5.164	ug/l		88
8) Diethyl Ether	3.464	74	6284	4.335	ug/l		68
9) 1,1,2-Trichlorotrifluo...	3.830	101	14348	5.171	ug/l		90
10) Methyl Iodide	4.012	142	11993	4.274	ug/l	#	89
11) Tert butyl alcohol	4.860	59	6468	23.321	ug/l		100
12) 1,1-Dichloroethene	3.805	96	12850	4.982	ug/l		84
13) Acrolein	3.665	56	6134	28.198	ug/l		94
14) Allyl chloride	4.390	41	22973	4.936	ug/l	#	88
15) Acrylonitrile	5.067	53	14108	21.276	ug/l		98
16) Acetone	3.872	43	16105	20.898	ug/l	#	79
17) Carbon Disulfide	4.116	76	43042	6.226	ug/l	#	93
18) Methyl Acetate	4.403	43	7550	4.548	ug/l	#	65
19) Methyl tert-butyl Ether	5.122	73	29558	3.989	ug/l		100
20) Methylene Chloride	4.622	84	19392	6.235	ug/l	#	73
21) trans-1,2-Dichloroethene	5.128	96	14695	5.235	ug/l		88
22) Diisopropyl ether	6.030	45	43856	4.326	ug/l	#	82
23) Vinyl Acetate	5.963	43	118065	20.316	ug/l	#	88
24) 1,1-Dichloroethane	5.927	63	27775	4.929	ug/l		94
25) 2-Butanone	6.902	43	22431	21.745	ug/l	#	84
26) 2,2-Dichloropropane	6.890	77	25086	4.999	ug/l		89
27) cis-1,2-Dichloroethene	6.890	96	15543	4.480	ug/l		72
28) Bromochloromethane	7.256	49	13763	5.549	ug/l	#	67
29) Tetrahydrofuran	7.274	42	12280	20.849	ug/l	#	83
30) Chloroform	7.433	83	27437	4.776	ug/l		88
31) Cyclohexane	7.707	56	30882	6.243	ug/l	#	88
32) 1,1,1-Trichloroethane	7.628	97	23695	4.707	ug/l	#	90
36) 1,1-Dichloropropene	7.835	75	21067	5.069	ug/l		93
37) Ethyl Acetate	6.994	43	10158m	4.687	ug/l		
38) Carbon Tetrachloride	7.823	117	20423	4.583	ug/l		94
39) Methylcyclohexane	9.115	83	26360	5.033	ug/l		89
40) Benzene	8.085	78	61822	4.915	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.225	41	3462	2.951 ug/l	#	72
42) 1,2-Dichloroethane	8.158	62	16581	4.588 ug/l		93
43) Isopropyl Acetate	8.201	43	17066	3.861 ug/l	#	92
44) Trichloroethene	8.871	130	14352	4.711 ug/l		94
45) 1,2-Dichloropropane	9.140	63	14120	4.485 ug/l		95
46) Dibromomethane	9.231	93	7547	4.387 ug/l	#	87
47) Bromodichloromethane	9.426	83	20060	4.393 ug/l		99
48) Methyl methacrylate	9.225	41	7028	3.615 ug/l	#	82
49) 1,4-Dioxane	9.231	88	1521	79.001 ug/l	#	81
51) 4-Methyl-2-Pentanone	9.999	43	41560	18.434 ug/l		87
52) Toluene	10.170	92	35127	4.474 ug/l		99
53) t-1,3-Dichloropropene	10.395	75	16130	3.926 ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	19506	4.024 ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	8995	3.969 ug/l	#	85
56) Ethyl methacrylate	10.438	69	10951	3.367 ug/l	#	65
57) 1,3-Dichloropropane	10.719	76	16743	4.207 ug/l		95
58) 2-Chloroethyl Vinyl ether	9.713	63	28850	19.057 ug/l		92
59) 2-Hexanone	10.761	43	28622	17.775 ug/l		81
60) Dibromochloromethane	10.914	129	11181	3.844 ug/l		100
61) 1,2-Dibromoethane	11.017	107	8865	4.329 ug/l		90
64) Tetrachloroethene	10.645	164	11989	4.585 ug/l		93
65) Chlorobenzene	11.444	112	37629	4.475 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	11467	4.031 ug/l		98
67) Ethyl Benzene	11.517	91	69338	4.540 ug/l		98
68) m/p-Xylenes	11.627	106	50332	8.923 ug/l		94
69) o-Xylene	11.956	106	23982	4.425 ug/l		95
70) Styrene	11.968	104	36193	3.958 ug/l		93
71) Bromoform	12.133	173	5561	3.652 ug/l	#	94
73) Isopropylbenzene	12.255	105	62710	4.833 ug/l		96
74) N-amyl acetate	12.072	43	12879	3.747 ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	11048	4.792 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	5970m	1.976 ug/l		
77) Bromobenzene	12.529	156	12802	4.649 ug/l		83
78) n-propylbenzene	12.596	91	77176	4.922 ug/l		96
79) 2-Chlorotoluene	12.682	91	43013	4.785 ug/l		93
80) 1,3,5-Trimethylbenzene	12.736	105	49377	4.712 ug/l		95
81) trans-1,4-Dichloro-2-b...	12.304	75	3212	4.290 ug/l		87
82) 4-Chlorotoluene	12.779	91	42786	4.655 ug/l		96
83) tert-Butylbenzene	12.999	119	43602	4.645 ug/l		93
84) 1,2,4-Trimethylbenzene	13.041	105	47241	4.547 ug/l		97
85) sec-Butylbenzene	13.175	105	65986	4.705 ug/l		95
86) p-Isopropyltoluene	13.291	119	50842	4.464 ug/l		96
87) 1,3-Dichlorobenzene	13.285	146	25594	4.603 ug/l		96
88) 1,4-Dichlorobenzene	13.364	146	25923	4.745 ug/l		92
89) n-Butylbenzene	13.620	91	51089	4.594 ug/l		95
90) Hexachloroethane	13.883	117	10314	4.651 ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	21464	4.393 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1656	4.500 ug/l		69
93) 1,2,4-Trichlorobenzene	14.919	180	10063	3.673 ug/l		96
94) Hexachlorobutadiene	15.023	225	6221	4.084 ug/l		93
95) Naphthalene	15.145	128	17217	3.332 ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	8911	3.848 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

ICAL Form

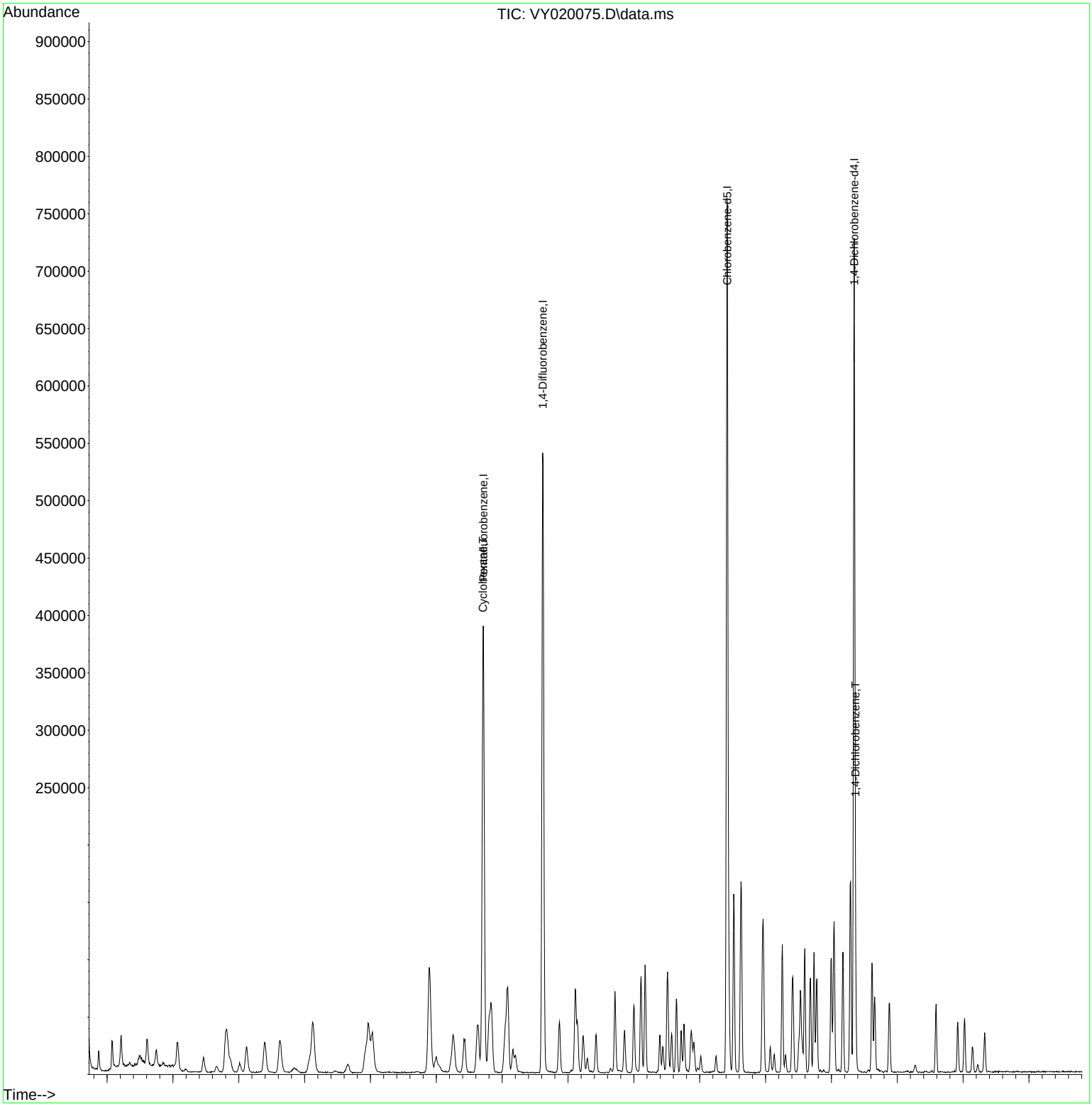
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020075.D
Acq On : 30 Oct 2024 12:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 13:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	251996	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	459666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	179302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	33105	10.669	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 21.340%#			
35) Dibromofluoromethane	7.640	113	29145	9.608	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 19.220%#			
50) Toluene-d8	10.109	98	114968	10.264	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 20.520%#			
62) 4-Bromofluorobenzene	12.408	95	36997	9.141	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 18.280%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	24596	10.485	ug/l	95
3) Chloromethane	2.074	50	42089	13.785	ug/l	100
4) Vinyl Chloride	2.214	62	44064	13.115	ug/l	91
5) Bromomethane	2.605	94	28921	13.599	ug/l	96
6) Chloroethane	2.745	64	27962	12.388	ug/l	96
7) Trichlorofluoromethane	3.068	101	51307	10.263	ug/l	99
8) Diethyl Ether	3.470	74	14130	9.300	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.824	101	29440	10.124	ug/l	91
10) Methyl Iodide	4.013	142	27256	9.267	ug/l	91
11) Tert butyl alcohol	4.860	59	14113	48.551	ug/l #	96
12) 1,1-Dichloroethene	3.799	96	29134	10.777	ug/l #	71
13) Acrolein	3.659	56	15099	66.225	ug/l	98
14) Allyl chloride	4.397	41	47964	9.833	ug/l #	86
15) Acrylonitrile	5.061	53	32586	46.888	ug/l	96
16) Acetone	3.873	43	34866	43.166	ug/l #	85
17) Carbon Disulfide	4.116	76	92481	12.763	ug/l	98
18) Methyl Acetate	4.391	43	17993	10.341	ug/l #	88
19) Methyl tert-butyl Ether	5.122	73	67742	8.722	ug/l	99
20) Methylene Chloride	4.622	84	36061	11.062	ug/l #	71
21) trans-1,2-Dichloroethene	5.128	96	31130	10.580	ug/l	86
22) Diisopropyl ether	6.025	45	100421	9.452	ug/l #	87
23) Vinyl Acetate	5.970	43	280142	45.993	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	60946	10.319	ug/l	97
25) 2-Butanone	6.903	43	49695	45.965	ug/l #	83
26) 2,2-Dichloropropane	6.896	77	48779	9.274	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	35967	9.892	ug/l	84
28) Bromochloromethane	7.250	49	28309	10.890	ug/l #	69
29) Tetrahydrofuran	7.268	42	28574	46.288	ug/l #	83
30) Chloroform	7.427	83	58988	9.798	ug/l	91
31) Cyclohexane	7.707	56	60768	11.721	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	51697	9.798	ug/l #	93
36) 1,1-Dichloropropene	7.841	75	45929	10.510	ug/l	93
37) Ethyl Acetate	6.994	43	20808	9.132	ug/l #	76
38) Carbon Tetrachloride	7.823	117	45138	9.635	ug/l	98
39) Methylcyclohexane	9.109	83	55314	10.046	ug/l #	83
40) Benzene	8.085	78	129152	9.765	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	10582	8.580	ug/l		88
42) 1,2-Dichloroethane	8.158	62	35990	9.472	ug/l		94
43) Isopropyl Acetate	8.201	43	40461	8.707	ug/l	#	74
44) Trichloroethene	8.866	130	30471	9.513	ug/l		88
45) 1,2-Dichloropropane	9.140	63	30442	9.196	ug/l		96
46) Dibromomethane	9.237	93	17004	9.402	ug/l	#	86
47) Bromodichloromethane	9.426	83	43762	9.116	ug/l		100
48) Methyl methacrylate	9.225	41	18005	8.808	ug/l	#	82
49) 1,4-Dioxane	9.231	88	3385	167.225	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.000	43	102653	43.307	ug/l		88
52) Toluene	10.170	92	78956	9.564	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	36749	8.508	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	44596	8.750	ug/l	#	83
55) 1,1,2-Trichloroethane	10.573	97	20698	8.686	ug/l	#	86
56) Ethyl methacrylate	10.438	69	27776	8.124	ug/l	#	72
57) 1,3-Dichloropropane	10.713	76	37808	9.035	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	71463	44.897	ug/l		89
59) 2-Hexanone	10.762	43	74139	43.792	ug/l		84
60) Dibromochloromethane	10.908	129	25833	8.447	ug/l		99
61) 1,2-Dibromoethane	11.012	107	19661	9.131	ug/l		96
64) Tetrachloroethene	10.646	164	24830	8.892	ug/l		94
65) Chlorobenzene	11.438	112	81961	9.128	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.518	131	26081	8.585	ug/l		98
67) Ethyl Benzene	11.518	91	151863	9.310	ug/l		98
68) m/p-Xylenes	11.627	106	108757	18.053	ug/l		88
69) o-Xylene	11.950	106	51950	8.975	ug/l		92
70) Styrene	11.969	104	84784	8.682	ug/l		95
71) Bromoform	12.133	173	12719	7.820	ug/l	#	96
73) Isopropylbenzene	12.255	105	137315	9.105	ug/l		98
74) N-amyl acetate	12.072	43	32525	8.142	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	25336	9.454	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	20202m	5.751	ug/l		
77) Bromobenzene	12.530	156	27286	8.526	ug/l		78
78) n-propylbenzene	12.591	91	173883	9.542	ug/l		95
79) 2-Chlorotoluene	12.676	91	97009	9.285	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	108479	8.906	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	7513	8.634	ug/l	#	81
82) 4-Chlorotoluene	12.773	91	96899	9.071	ug/l		97
83) tert-Butylbenzene	12.993	119	94080	8.622	ug/l		92
84) 1,2,4-Trimethylbenzene	13.042	105	108470	8.983	ug/l		97
85) sec-Butylbenzene	13.176	105	149192	9.152	ug/l		97
86) p-Isopropyltoluene	13.292	119	116689	8.815	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	54535	8.438	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	57513	9.058	ug/l		93
89) n-Butylbenzene	13.615	91	115297	8.920	ug/l		98
90) Hexachloroethane	13.877	117	23812	9.238	ug/l		78
91) 1,2-Dichlorobenzene	13.657	146	49631	8.740	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3723	8.705	ug/l		71
93) 1,2,4-Trichlorobenzene	14.919	180	25388	7.973	ug/l		94
94) Hexachlorobutadiene	15.023	225	13955	7.883	ug/l		96
95) Naphthalene	15.145	128	43361	7.220	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	21730	8.073	ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

ICAL Form

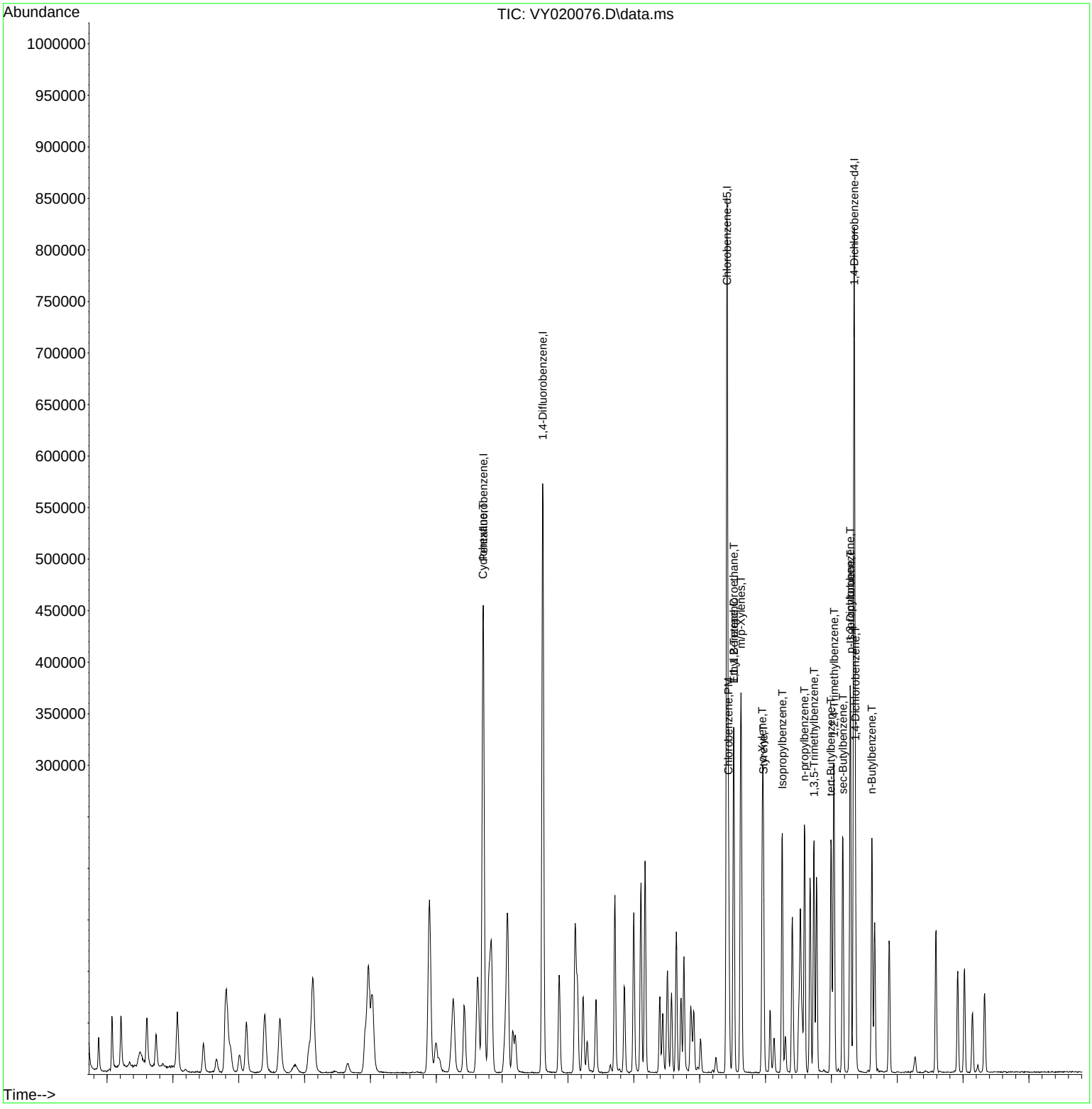
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020076.D
Acq On : 30 Oct 2024 13:02
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 13:53:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	255489	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	453247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	180601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	59114	18.791	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.580%#		
35) Dibromofluoromethane	7.634	113	54397	18.187	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	36.380%#		
50) Toluene-d8	10.103	98	215268	19.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.980%#		
62) 4-Bromofluorobenzene	12.402	95	68234	17.097	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	34.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	49268	20.715	ug/l	96
3) Chloromethane	2.068	50	80800	26.102	ug/l	97
4) Vinyl Chloride	2.202	62	85353	25.056	ug/l	97
5) Bromomethane	2.592	94	55648	25.809	ug/l	93
6) Chloroethane	2.733	64	55759	24.366	ug/l	96
7) Trichlorofluoromethane	3.056	101	105973	20.907	ug/l	93
8) Diethyl Ether	3.452	74	29994	19.470	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.818	101	57985	19.667	ug/l	91
10) Methyl Iodide	4.007	142	56012	18.784	ug/l #	89
11) Tert butyl alcohol	4.854	59	23879	81.025	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	54823	20.002	ug/l #	76
13) Acrolein	3.653	56	30037	129.943	ug/l	96
14) Allyl chloride	4.385	41	100122	20.246	ug/l #	90
15) Acrylonitrile	5.055	53	65802	93.388	ug/l	96
16) Acetone	3.873	43	70645	86.267	ug/l #	85
17) Carbon Disulfide	4.110	76	184555	25.121	ug/l	98
18) Methyl Acetate	4.385	43	35892	20.346	ug/l #	88
19) Methyl tert-butyl Ether	5.116	73	140655	17.862	ug/l	100
20) Methylene Chloride	4.616	84	65473	19.811	ug/l #	76
21) trans-1,2-Dichloroethene	5.116	96	62682	21.012	ug/l #	83
22) Diisopropyl ether	6.019	45	212810	19.756	ug/l #	90
23) Vinyl Acetate	5.964	43	587816	95.187	ug/l #	91
24) 1,1-Dichloroethane	5.921	63	121557	20.300	ug/l	95
25) 2-Butanone	6.897	43	97990	89.396	ug/l #	80
26) 2,2-Dichloropropane	6.884	77	97826	18.345	ug/l	95
27) cis-1,2-Dichloroethene	6.897	96	73022	19.808	ug/l	83
28) Bromochloromethane	7.244	49	53898	20.450	ug/l #	70
29) Tetrahydrofuran	7.262	42	58334	93.205	ug/l #	82
30) Chloroform	7.421	83	121164	19.850	ug/l	95
31) Cyclohexane	7.701	56	116249	22.116	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	103121	19.277	ug/l #	93
36) 1,1-Dichloropropene	7.835	75	89441	20.757	ug/l	93
37) Ethyl Acetate	6.982	43	43815	19.500	ug/l #	93
38) Carbon Tetrachloride	7.817	117	90537	19.600	ug/l	96
39) Methylcyclohexane	9.110	83	114400	21.071	ug/l	89
40) Benzene	8.079	78	263734	20.224	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.214	41	23788	19.561 ug/l #	83
42) 1,2-Dichloroethane	8.159	62	72916	19.463 ug/l	94
43) Isopropyl Acetate	8.195	43	83718	18.270 ug/l #	75
44) Trichloroethene	8.866	130	60253	19.077 ug/l	81
45) 1,2-Dichloropropane	9.140	63	64640	19.804 ug/l	99
46) Dibromomethane	9.225	93	34353	19.263 ug/l	89
47) Bromodichloromethane	9.427	83	88375	18.670 ug/l	97
48) Methyl methacrylate	9.219	41	39516	19.605 ug/l #	80
49) 1,4-Dioxane	9.238	88	6584	329.869 ug/l #	69
51) 4-Methyl-2-Pentanone	10.000	43	216002	92.417 ug/l	88
52) Toluene	10.170	92	163230	20.053 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	79101	18.573 ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	93870	18.679 ug/l #	83
55) 1,1,2-Trichloroethane	10.567	97	42659	18.156 ug/l	96
56) Ethyl methacrylate	10.439	69	61125	18.131 ug/l #	75
57) 1,3-Dichloropropane	10.713	76	79426	19.250 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	151093	96.270 ug/l	91
59) 2-Hexanone	10.762	43	152298	91.233 ug/l	84
60) Dibromochloromethane	10.908	129	54301	18.006 ug/l	100
61) 1,2-Dibromoethane	11.012	107	38956	18.348 ug/l	98
64) Tetrachloroethene	10.646	164	53279	19.362 ug/l	94
65) Chlorobenzene	11.438	112	169342	19.138 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	53419	17.843 ug/l	100
67) Ethyl Benzene	11.518	91	311877	19.403 ug/l	99
68) m/p-Xylenes	11.627	106	229769	38.705 ug/l	92
69) o-Xylene	11.951	106	106187	18.617 ug/l	91
70) Styrene	11.969	104	178553	18.555 ug/l	95
71) Bromoform	12.133	173	26700	16.660 ug/l #	99
73) Isopropylbenzene	12.255	105	288608	18.999 ug/l	99
74) N-amyl acetate	12.066	43	72538	18.029 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	50452	18.691 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	34602m	9.780 ug/l	
77) Bromobenzene	12.530	156	58191	18.052 ug/l	81
78) n-propylbenzene	12.591	91	364746	19.871 ug/l	96
79) 2-Chlorotoluene	12.676	91	200389	19.043 ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	236250	19.257 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	15276	17.428 ug/l #	80
82) 4-Chlorotoluene	12.774	91	207370	19.273 ug/l	95
83) tert-Butylbenzene	12.993	119	202147	18.393 ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	231420	19.026 ug/l	97
85) sec-Butylbenzene	13.176	105	314228	19.136 ug/l	97
86) p-Isopropyltoluene	13.292	119	254400	19.079 ug/l	95
87) 1,3-Dichlorobenzene	13.286	146	121383	18.646 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	119390	18.668 ug/l	96
89) n-Butylbenzene	13.615	91	255253	19.605 ug/l	97
90) Hexachloroethane	13.877	117	49426	19.037 ug/l	85
91) 1,2-Dichlorobenzene	13.658	146	105505	18.445 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7666	17.796 ug/l	68
93) 1,2,4-Trichlorobenzene	14.919	180	56651	17.663 ug/l	96
94) Hexachlorobutadiene	15.017	225	30501	17.105 ug/l	95
95) Naphthalene	15.145	128	102556	16.953 ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	47182	17.402 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

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

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

ICAL Form

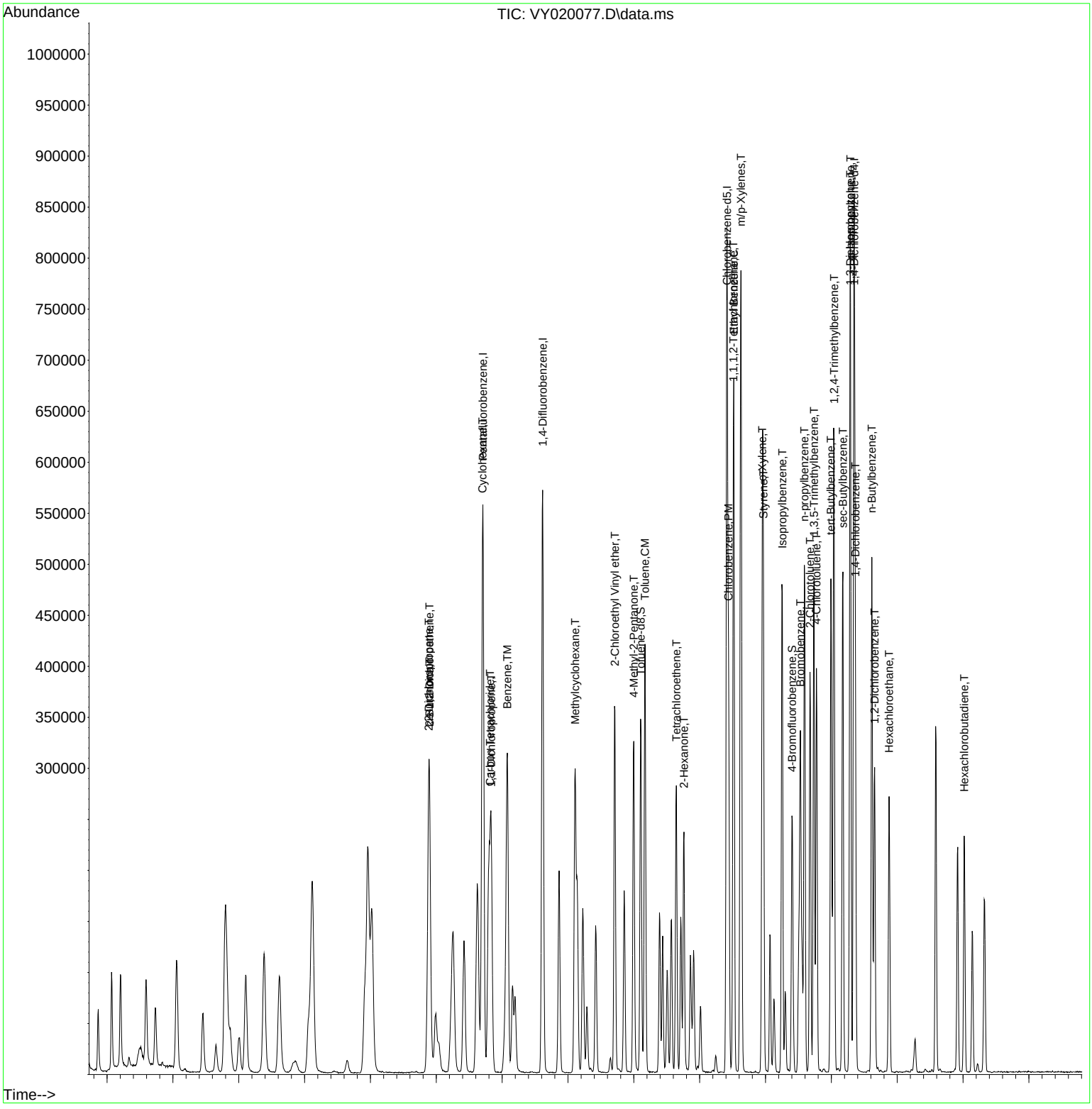
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020077.D
Acq On : 30 Oct 2024 13:24
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 13:55:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:49:45 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	253095	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	448895	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	390884	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187639	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	148301	48.236	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.480%				
35) Dibromofluoromethane	7.634	113	137099	49.764	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.520%				
50) Toluene-d8	10.103	98	549379	50.479	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.960%				
62) 4-Bromofluorobenzene	12.402	95	179271	51.568	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.140%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	96546	41.057	ug/l		98
3) Chloromethane	2.074	50	172932	43.513	ug/l		98
4) Vinyl Chloride	2.208	62	190844	45.286	ug/l		98
5) Bromomethane	2.598	94	121526	43.068	ug/l		99
6) Chloroethane	2.739	64	122992	45.232	ug/l		96
7) Trichlorofluoromethane	3.062	101	234671	46.283	ug/l		95
8) Diethyl Ether	3.458	74	63745	46.337	ug/l		76
9) 1,1,2-Trichlorotrifluo...	3.818	101	128941	45.130	ug/l		89
10) Methyl Iodide	4.007	142	130739	49.097	ug/l	#	88
11) Tert butyl alcohol	4.866	59	41694	173.877	ug/l	#	88
12) 1,1-Dichloroethene	3.793	96	124769	46.031	ug/l	#	80
13) Acrolein	3.653	56	62974	226.723	ug/l		98
14) Allyl chloride	4.385	41	231702	48.153	ug/l	#	90
15) Acrylonitrile	5.061	53	147956	237.463	ug/l		98
16) Acetone	3.873	43	176737	253.817	ug/l	#	84
17) Carbon Disulfide	4.110	76	423667	47.120	ug/l		99
18) Methyl Acetate	4.391	43	80236	47.343	ug/l	#	87
19) Methyl tert-butyl Ether	5.122	73	314058	47.812	ug/l		98
20) Methylene Chloride	4.616	84	140465	40.843	ug/l	#	81
21) trans-1,2-Dichloroethene	5.110	96	142767	46.884	ug/l		88
22) Diisopropyl ether	6.019	45	479235	48.598	ug/l	#	89
23) Vinyl Acetate	5.964	43	1333996	245.247	ug/l	#	90
24) 1,1-Dichloroethane	5.915	63	270841	46.285	ug/l		96
25) 2-Butanone	6.896	43	226732	237.393	ug/l	#	81
26) 2,2-Dichloropropane	6.884	77	223018	45.779	ug/l		95
27) cis-1,2-Dichloroethene	6.890	96	163527	47.495	ug/l		83
28) Bromochloromethane	7.244	49	127689	46.584	ug/l	#	72
29) Tetrahydrofuran	7.262	42	131553	239.719	ug/l	#	82
30) Chloroform	7.421	83	270424	46.805	ug/l		99
31) Cyclohexane	7.701	56	249456	42.730	ug/l		89
32) 1,1,1-Trichloroethane	7.622	97	240527	47.868	ug/l		95
36) 1,1-Dichloropropene	7.835	75	201893	46.739	ug/l		93
37) Ethyl Acetate	6.988	43	94588	46.256	ug/l	#	94
38) Carbon Tetrachloride	7.817	117	207365	48.133	ug/l		100
39) Methylcyclohexane	9.110	83	259600	47.915	ug/l	#	87
40) Benzene	8.079	78	594896	47.340	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	53405m	38.864	ug/l		
42) 1,2-Dichloroethane	8.158	62	163735	47.442	ug/l		93
43) Isopropyl Acetate	8.195	43	185022	48.366	ug/l	#	78
44) Trichloroethene	8.866	130	137913	47.292	ug/l		86
45) 1,2-Dichloropropane	9.140	63	143501	48.060	ug/l		98
46) Dibromomethane	9.231	93	76956	47.720	ug/l	#	88
47) Bromodichloromethane	9.420	83	202425	48.145	ug/l	#	98
48) Methyl methacrylate	9.219	41	88629	51.150	ug/l	#	81
49) 1,4-Dioxane	9.225	88	15719	979.894	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.000	43	491343	251.440	ug/l		87
52) Toluene	10.170	92	373718	49.042	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	180112	49.960	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	217155	50.058	ug/l	#	82
55) 1,1,2-Trichloroethane	10.573	97	96748	48.888	ug/l		94
56) Ethyl methacrylate	10.439	69	141354	52.279	ug/l	#	73
57) 1,3-Dichloropropane	10.713	76	176327	48.342	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	359790	260.896	ug/l		91
59) 2-Hexanone	10.762	43	353785	255.117	ug/l		85
60) Dibromochloromethane	10.908	129	122325	49.155	ug/l		100
61) 1,2-Dibromoethane	11.012	107	87760	47.280	ug/l		100
64) Tetrachloroethene	10.646	164	120168	47.512	ug/l		94
65) Chlorobenzene	11.438	112	388015	47.788	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	124101	48.591	ug/l		99
67) Ethyl Benzene	11.518	91	733155	48.646	ug/l		99
68) m/p-Xylenes	11.627	106	540779	98.423	ug/l		91
69) o-Xylene	11.950	106	253611	48.985	ug/l		91
70) Styrene	11.969	104	427323	50.713	ug/l		95
71) Bromoform	12.133	173	64353	50.623	ug/l	#	97
73) Isopropylbenzene	12.255	105	691368	47.317	ug/l		97
74) N-amyl acetate	12.072	43	172232	50.105	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	117149	45.482	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	80285m	25.625	ug/l		
77) Bromobenzene	12.530	156	139237	47.289	ug/l		82
78) n-propylbenzene	12.591	91	859635	47.031	ug/l		96
79) 2-Chlorotoluene	12.676	91	472269	46.677	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	557869	47.687	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.298	75	36981	47.705	ug/l	#	84
82) 4-Chlorotoluene	12.780	91	488931	47.584	ug/l		94
83) tert-Butylbenzene	12.993	119	499937	48.831	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	552088	48.105	ug/l		96
85) sec-Butylbenzene	13.176	105	751015	47.676	ug/l		97
86) p-Isopropyltoluene	13.292	119	606962	48.620	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	283109	47.380	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	278979	46.291	ug/l		96
89) n-Butylbenzene	13.615	91	611011	48.906	ug/l		98
90) Hexachloroethane	13.877	117	117887	47.505	ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	245799	47.241	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17194	44.817	ug/l		75
93) 1,2,4-Trichlorobenzene	14.919	180	130061	48.854	ug/l		98
94) Hexachlorobutadiene	15.023	225	72977	48.508	ug/l		98
95) Naphthalene	15.145	128	248616	52.269	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	107931	47.697	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

ICAL Form

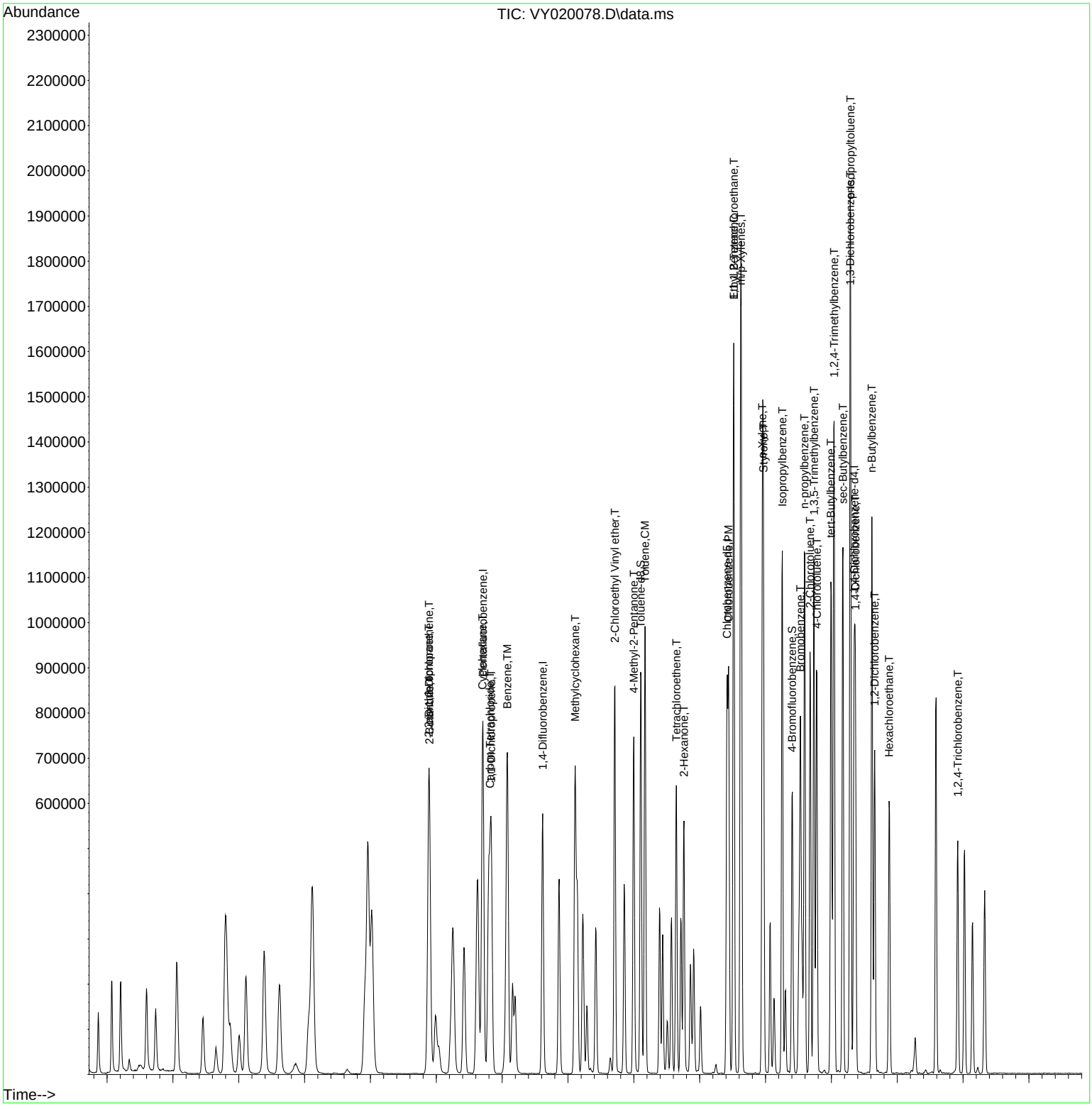
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020078.D
Acq On : 30 Oct 2024 14:06
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 14:58:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	250425	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	439442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	334356	109.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 219.820%#			
35) Dibromofluoromethane	7.634	113	299098	110.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 221.800%#			
50) Toluene-d8	10.103	98	1212617	113.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 227.640%#			
62) 4-Bromofluorobenzene	12.402	95	407188	119.648	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 239.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	228307	98.125	ug/l	98
3) Chloromethane	2.068	50	366223	93.131	ug/l	97
4) Vinyl Chloride	2.202	62	405238	97.185	ug/l	97
5) Bromomethane	2.592	94	260872	93.438	ug/l	98
6) Chloroethane	2.733	64	263815	98.055	ug/l	98
7) Trichlorofluoromethane	3.056	101	506774	101.014	ug/l	96
8) Diethyl Ether	3.452	74	148665	109.219	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.812	101	281087	99.430	ug/l	91
10) Methyl Iodide	4.007	142	289107	109.727	ug/l	90
11) Tert butyl alcohol	4.860	59	102524	432.114	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	272143	101.471	ug/l #	80
13) Acrolein	3.653	56	149511	544.019	ug/l	98
14) Allyl chloride	4.385	41	506132	106.308	ug/l #	89
15) Acrylonitrile	5.061	53	348902	565.943	ug/l	98
16) Acetone	3.866	43	414042	600.958	ug/l #	85
17) Carbon Disulfide	4.104	76	917608	103.144	ug/l	99
18) Methyl Acetate	4.385	43	181329	108.133	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	742574	114.253	ug/l	98
20) Methylene Chloride	4.616	84	299130	87.904	ug/l #	81
21) trans-1,2-Dichloroethene	5.116	96	308673	102.448	ug/l	86
22) Diisopropyl ether	6.019	45	1086016	111.305	ug/l #	91
23) Vinyl Acetate	5.958	43	3189495	592.620	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	598212	103.320	ug/l	96
25) 2-Butanone	6.890	43	549299	581.259	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	493900	102.464	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	370675	108.807	ug/l	84
28) Bromochloromethane	7.244	49	277089	102.166	ug/l #	72
29) Tetrahydrofuran	7.262	42	320026	589.375	ug/l #	82
30) Chloroform	7.421	83	599049	104.788	ug/l	99
31) Cyclohexane	7.701	56	547474	94.777	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	521551	104.903	ug/l	94
36) 1,1-Dichloropropene	7.835	75	449890	106.392	ug/l	94
37) Ethyl Acetate	6.988	43	223721	111.760	ug/l #	94
38) Carbon Tetrachloride	7.817	117	456363	108.209	ug/l	99
39) Methylcyclohexane	9.109	83	584361	110.176	ug/l #	87
40) Benzene	8.079	78	1321405	107.416	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	116421	86.544	ug/l		87
42) 1,2-Dichloroethane	8.158	62	373520	110.555	ug/l		93
43) Isopropyl Acetate	8.195	43	447889	119.599	ug/l	#	78
44) Trichloroethene	8.866	130	305872	107.143	ug/l		88
45) 1,2-Dichloropropane	9.140	63	318959	109.122	ug/l		97
46) Dibromomethane	9.231	93	175876	111.406	ug/l		88
47) Bromodichloromethane	9.420	83	461878	112.218	ug/l	#	98
48) Methyl methacrylate	9.219	41	214211	126.286	ug/l	#	80
49) 1,4-Dioxane	9.231	88	39210	2496.859	ug/l	#	83
51) 4-Methyl-2-Pentanone	9.993	43	1181631	617.696	ug/l		90
52) Toluene	10.170	92	837777	112.304	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	427557	121.149	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	503580	118.582	ug/l	#	86
55) 1,1,2-Trichloroethane	10.573	97	225678	116.492	ug/l		95
56) Ethyl methacrylate	10.438	69	347881	131.431	ug/l	#	75
57) 1,3-Dichloropropane	10.713	76	407824	114.214	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	816231	604.610	ug/l		92
59) 2-Hexanone	10.755	43	870879	641.505	ug/l		87
60) Dibromochloromethane	10.908	129	291690	119.734	ug/l		100
61) 1,2-Dibromoethane	11.012	107	204752	112.681	ug/l		99
64) Tetrachloroethene	10.646	164	269475	106.219	ug/l		95
65) Chlorobenzene	11.438	112	873808	107.289	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.511	131	286476	111.823	ug/l		100
67) Ethyl Benzene	11.518	91	1657653	109.651	ug/l		100
68) m/p-Xylenes	11.627	106	1221696	221.671	ug/l		91
69) o-Xylene	11.950	106	584516	112.554	ug/l		92
70) Styrene	11.969	104	987405	116.822	ug/l		95
71) Bromoform	12.127	173	158309	124.151	ug/l	#	96
73) Isopropylbenzene	12.255	105	1567277	105.280	ug/l		98
74) N-amyl acetate	12.066	43	441898	126.177	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	277920	105.904	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	182495m	57.170	ug/l		
77) Bromobenzene	12.530	156	322208	107.408	ug/l		84
78) n-propylbenzene	12.591	91	1942949	104.334	ug/l		97
79) 2-Chlorotoluene	12.676	91	1075903	104.371	ug/l		94
80) 1,3,5-Trimethylbenzene	12.731	105	1265627	106.185	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	91153	115.411	ug/l	#	85
82) 4-Chlorotoluene	12.773	91	1110438	106.072	ug/l		94
83) tert-Butylbenzene	12.993	119	1104057	105.843	ug/l		93
84) 1,2,4-Trimethylbenzene	13.042	105	1276373	109.156	ug/l		96
85) sec-Butylbenzene	13.176	105	1697744	105.784	ug/l		98
86) p-Isopropyltoluene	13.292	119	1382922	108.729	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	651160	106.960	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	637014	103.744	ug/l		96
89) n-Butylbenzene	13.615	91	1400648	110.036	ug/l		98
90) Hexachloroethane	13.877	117	272543	107.795	ug/l		84
91) 1,2-Dichlorobenzene	13.657	146	566909	106.942	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43753	111.936	ug/l		76
93) 1,2,4-Trichlorobenzene	14.919	180	330713	121.925	ug/l		98
94) Hexachlorobutadiene	15.023	225	173634	113.279	ug/l		99
95) Naphthalene	15.139	128	672775	138.827	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	281747	122.206	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

ICAL Form

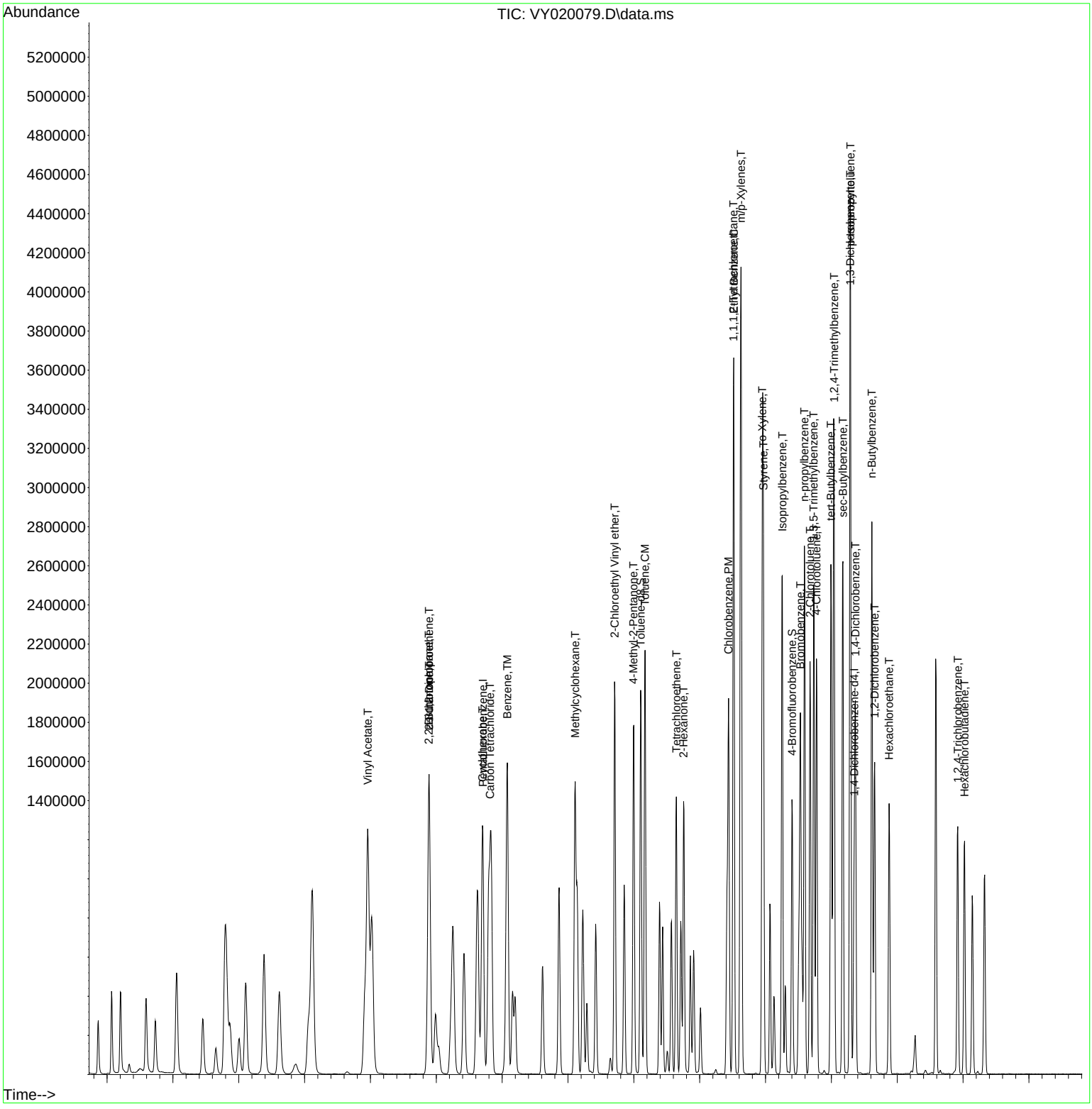
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020079.D
Acq On : 30 Oct 2024 14:29
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 15:03:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	264324	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	464829	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	410851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189466	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	513131	159.809	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 319.620%#				
35) Dibromofluoromethane	7.634	113	473607	166.018	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 332.040%#				
50) Toluene-d8	10.103	98	1901637	168.741	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 337.480%#				
62) 4-Bromofluorobenzene	12.402	95	632951	175.829	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 351.660%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	367153	149.502	ug/l		98
3) Chloromethane	2.068	50	577439	139.123	ug/l		99
4) Vinyl Chloride	2.202	62	633528	143.945	ug/l		98
5) Bromomethane	2.586	94	418638	142.061	ug/l		99
6) Chloroethane	2.732	64	405582	142.820	ug/l		98
7) Trichlorofluoromethane	3.056	101	804100	151.851	ug/l		96
8) Diethyl Ether	3.452	74	236804	164.824	ug/l		77
9) 1,1,2-Trichlorotrifluo...	3.818	101	447736	150.052	ug/l		91
10) Methyl Iodide	4.001	142	464092	166.878	ug/l	#	90
11) Tert butyl alcohol	4.866	59	154213	615.794	ug/l	#	82
12) 1,1-Dichloroethene	3.787	96	437783	154.648	ug/l	#	77
13) Acrolein	3.653	56	222317	766.398	ug/l		99
14) Allyl chloride	4.385	41	815140	162.209	ug/l	#	90
15) Acrylonitrile	5.055	53	532102	817.722	ug/l		99
16) Acetone	3.866	43	615168	845.930	ug/l	#	85
17) Carbon Disulfide	4.104	76	1456308	155.090	ug/l		100
18) Methyl Acetate	4.385	43	270939	153.074	ug/l	#	88
19) Methyl tert-butyl Ether	5.116	73	1166714	170.073	ug/l		96
20) Methylene Chloride	4.610	84	473057	131.706	ug/l	#	81
21) trans-1,2-Dichloroethene	5.110	96	498356	156.706	ug/l	#	83
22) Diisopropyl ether	6.019	45	1712860	166.319	ug/l		91
23) Vinyl Acetate	5.958	43	4953304	871.948	ug/l	#	91
24) 1,1-Dichloroethane	5.915	63	951564	155.708	ug/l		96
25) 2-Butanone	6.890	43	817694	819.771	ug/l	#	84
26) 2,2-Dichloropropane	6.884	77	795976	156.450	ug/l		96
27) cis-1,2-Dichloroethene	6.890	96	583766	162.347	ug/l		83
28) Bromochloromethane	7.244	49	449704	157.093	ug/l	#	73
29) Tetrahydrofuran	7.262	42	474645	828.165	ug/l	#	82
30) Chloroform	7.421	83	953842	158.077	ug/l		100
31) Cyclohexane	7.701	56	862973	141.540	ug/l		86
32) 1,1,1-Trichloroethane	7.616	97	847338	161.468	ug/l		96
36) 1,1-Dichloropropene	7.835	75	711249	159.013	ug/l		94
37) Ethyl Acetate	6.982	43	333510	157.506	ug/l	#	94
38) Carbon Tetrachloride	7.817	117	731039	163.871	ug/l		99
39) Methylcyclohexane	9.109	83	921465	164.246	ug/l	#	88
40) Benzene	8.079	78	2088865	160.528	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	176781	124.237 ug/l		88
42) 1,2-Dichloroethane	8.158	62	582749	163.063 ug/l		94
43) Isopropyl Acetate	8.195	43	679605	171.562 ug/l	#	78
44) Trichloroethene	8.866	130	482450	159.766 ug/l		88
45) 1,2-Dichloropropane	9.140	63	508168	164.358 ug/l		96
46) Dibromomethane	9.231	93	273750	163.933 ug/l		89
47) Bromodichloromethane	9.420	83	727941	167.201 ug/l		98
48) Methyl methacrylate	9.219	41	328446	183.056 ug/l	#	81
49) 1,4-Dioxane	9.225	88	58592	3527.312 ug/l	#	91
51) 4-Methyl-2-Pentanone	9.999	43	1759800	869.690 ug/l		90
52) Toluene	10.170	92	1328982	168.421 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	678432	181.736 ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	798700	177.804 ug/l	#	85
55) 1,1,2-Trichloroethane	10.573	97	345498	168.601 ug/l		96
56) Ethyl methacrylate	10.438	69	541087	193.260 ug/l	#	75
57) 1,3-Dichloropropane	10.713	76	626765	165.943 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	1258516	881.311 ug/l		92
59) 2-Hexanone	10.755	43	1268082	883.076 ug/l		88
60) Dibromochloromethane	10.908	129	455170	176.635 ug/l		100
61) 1,2-Dibromoethane	11.012	107	317856	165.371 ug/l		99
64) Tetrachloroethene	10.646	164	422849	159.062 ug/l		92
65) Chlorobenzene	11.438	112	1384830	162.267 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	456266	169.965 ug/l		99
67) Ethyl Benzene	11.518	91	2617908	165.261 ug/l		98
68) m/p-Xylenes	11.627	106	1926635	333.611 ug/l		91
69) o-Xylene	11.950	106	917838	168.666 ug/l		91
70) Styrene	11.969	104	1569103	177.165 ug/l		96
71) Bromoform	12.127	173	240850	180.255 ug/l	#	97
73) Isopropylbenzene	12.249	105	2439942	165.379 ug/l		98
74) N-amyl acetate	12.066	43	665656	191.782 ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	408694	157.141 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	271515m	85.825 ug/l		
77) Bromobenzene	12.530	156	492090	165.517 ug/l		82
78) n-propylbenzene	12.591	91	2991377	162.082 ug/l		97
79) 2-Chlorotoluene	12.676	91	1681376	164.578 ug/l		93
80) 1,3,5-Trimethylbenzene	12.731	105	1967127	166.529 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	137971	176.265 ug/l	#	87
82) 4-Chlorotoluene	12.773	91	1719250	165.709 ug/l		94
83) tert-Butylbenzene	12.993	119	1718909	166.274 ug/l		93
84) 1,2,4-Trimethylbenzene	13.042	105	1981367	170.976 ug/l		96
85) sec-Butylbenzene	13.170	105	2613388	164.305 ug/l		97
86) p-Isopropyltoluene	13.285	119	2161709	171.493 ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	1008488	167.149 ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	975162	160.247 ug/l		96
89) n-Butylbenzene	13.615	91	2158102	171.071 ug/l		98
90) Hexachloroethane	13.877	117	421230	168.105 ug/l		85
91) 1,2-Dichlorobenzene	13.657	146	869621	165.525 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	63821	164.750 ug/l		76
93) 1,2,4-Trichlorobenzene	14.919	180	508720	189.243 ug/l		97
94) Hexachlorobutadiene	15.023	225	259405	170.763 ug/l		98
95) Naphthalene	15.139	128	1003119	208.860 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	428513	187.541 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
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 :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

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

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

ICAL Form

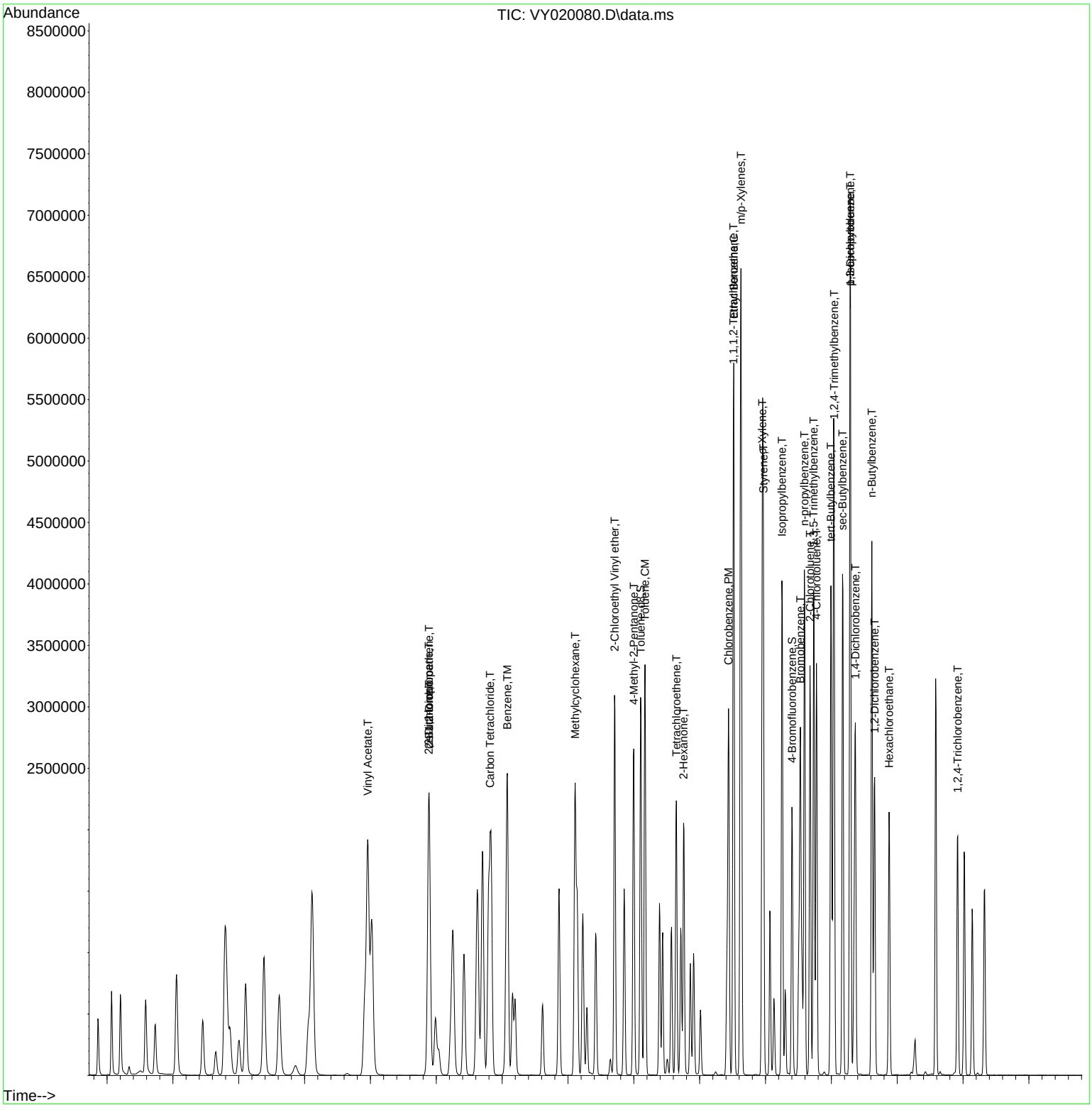
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020080.D
Acq On : 30 Oct 2024 14:52
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 15:05:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 14:00:05 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	473201	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	859474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	749198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	323321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310615	52.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.180%			
35) Dibromofluoromethane	7.634	113	274061	50.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.103	98	1103339	50.725	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.402	95	351612	49.768	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	120512	27.512	ug/l	98
3) Chloromethane	2.068	50	210255	28.978	ug/l	100
4) Vinyl Chloride	2.202	62	232365	29.832	ug/l	98
5) Bromomethane	2.598	94	148623	28.740	ug/l	100
6) Chloroethane	2.739	64	145709	28.986	ug/l	99
7) Trichlorofluoromethane	3.062	101	288596	30.329	ug/l	97
8) Diethyl Ether	3.458	74	76537	28.839	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.818	101	161253	30.214	ug/l	90
10) Methyl Iodide	4.007	142	148079	28.738	ug/l #	89
11) Tert butyl alcohol	4.866	59	50077	117.881	ug/l #	83
12) 1,1-Dichloroethene	3.793	96	155938	30.538	ug/l #	83
13) Acrolein	3.653	56	65380	123.633	ug/l	99
14) Allyl chloride	4.385	41	281369	30.540	ug/l #	91
15) Acrylonitrile	5.055	53	169656	140.436	ug/l	97
16) Acetone	3.866	43	202777	147.642	ug/l #	87
17) Carbon Disulfide	4.110	76	511874	30.122	ug/l	99
18) Methyl Acetate	4.391	43	89321	27.718	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	373674	29.087	ug/l	96
20) Methylene Chloride	4.616	84	162543	26.345	ug/l #	79
21) trans-1,2-Dichloroethene	5.116	96	172847	30.014	ug/l	87
22) Diisopropyl ether	6.019	45	567160	29.665	ug/l	89
23) Vinyl Acetate	5.964	43	1600445	148.749	ug/l #	90
24) 1,1-Dichloroethane	5.921	63	328973	29.716	ug/l	95
25) 2-Butanone	6.890	43	260961	140.170	ug/l #	84
26) 2,2-Dichloropropane	6.884	77	277277	30.103	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	196528	29.687	ug/l	83
28) Bromochloromethane	7.244	49	137380	26.502	ug/l #	71
29) Tetrahydrofuran	7.262	42	150159	139.758	ug/l #	81
30) Chloroform	7.421	83	321845	29.297	ug/l	100
31) Cyclohexane	7.701	56	319127	29.776	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	290109	30.248	ug/l	94
36) 1,1-Dichloropropene	7.835	75	252441	29.905	ug/l	94
37) Ethyl Acetate	6.982	43	108369	26.927	ug/l	95
38) Carbon Tetrachloride	7.817	117	255169	30.060	ug/l	99
39) Methylcyclohexane	9.109	83	325568	30.388	ug/l #	89
40) Benzene	8.079	78	717780	29.132	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	63419	31.457	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	191476	28.075	ug/l		93
43) Isopropyl Acetate	8.195	43	215480	27.843	ug/l	#	78
44) Trichloroethene	8.866	130	162773	28.504	ug/l		85
45) 1,2-Dichloropropane	9.140	63	168774	28.630	ug/l		97
46) Dibromomethane	9.231	93	89880	28.139	ug/l		88
47) Bromodichloromethane	9.420	83	240667	28.761	ug/l	#	98
48) Methyl methacrylate	9.219	41	102609	28.624	ug/l	#	80
49) 1,4-Dioxane	9.225	88	17875	543.556	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.000	43	560878	140.651	ug/l		89
52) Toluene	10.170	92	456965	30.087	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	214547	29.035	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	257134	29.155	ug/l	#	85
55) 1,1,2-Trichloroethane	10.573	97	114405	28.807	ug/l		98
56) Ethyl methacrylate	10.438	69	166233	29.180	ug/l	#	73
57) 1,3-Dichloropropane	10.713	76	205867	28.306	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	376129	133.877	ug/l		92
59) 2-Hexanone	10.762	43	408349	142.834	ug/l		87
60) Dibromochloromethane	10.908	129	145391	28.720	ug/l		99
61) 1,2-Dibromoethane	11.012	107	101472	27.501	ug/l		99
64) Tetrachloroethene	10.646	164	144117	29.134	ug/l		94
65) Chlorobenzene	11.438	112	466643	29.232	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	147606	28.941	ug/l		99
67) Ethyl Benzene	11.518	91	892211	29.899	ug/l		98
68) m/p-Xylenes	11.627	106	660200	60.470	ug/l		91
69) o-Xylene	11.950	106	310053	29.996	ug/l		92
70) Styrene	11.969	104	523115	30.608	ug/l		95
71) Bromoform	12.133	173	77218	29.512	ug/l	#	94
73) Isopropylbenzene	12.255	105	846459	32.772	ug/l		98
74) N-amyl acetate	12.072	43	205663	31.854	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	134581	29.793	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	92645m	30.568	ug/l		
77) Bromobenzene	12.530	156	162960	31.197	ug/l		82
78) n-propylbenzene	12.591	91	1066407	33.175	ug/l		97
79) 2-Chlorotoluene	12.676	91	579585	32.482	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	686904	33.126	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	43078	30.573	ug/l	#	84
82) 4-Chlorotoluene	12.773	91	594632	32.684	ug/l		94
83) tert-Butylbenzene	12.993	119	615613	33.952	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	674768	32.854	ug/l		97
85) sec-Butylbenzene	13.176	105	941389	33.819	ug/l		97
86) p-Isopropyltoluene	13.292	119	756263	33.856	ug/l		96
87) 1,3-Dichlorobenzene	13.286	146	340750	32.111	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	336322	31.826	ug/l		96
89) n-Butylbenzene	13.615	91	776354	34.671	ug/l		97
90) Hexachloroethane	13.877	117	145909	33.029	ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	294420	31.920	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20485	29.903	ug/l		72
93) 1,2,4-Trichlorobenzene	14.919	180	163820	33.062	ug/l		98
94) Hexachlorobutadiene	15.023	225	91247	33.677	ug/l		97
95) Naphthalene	15.145	128	301585	32.560	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	136291	32.403	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

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

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

ICAL Form

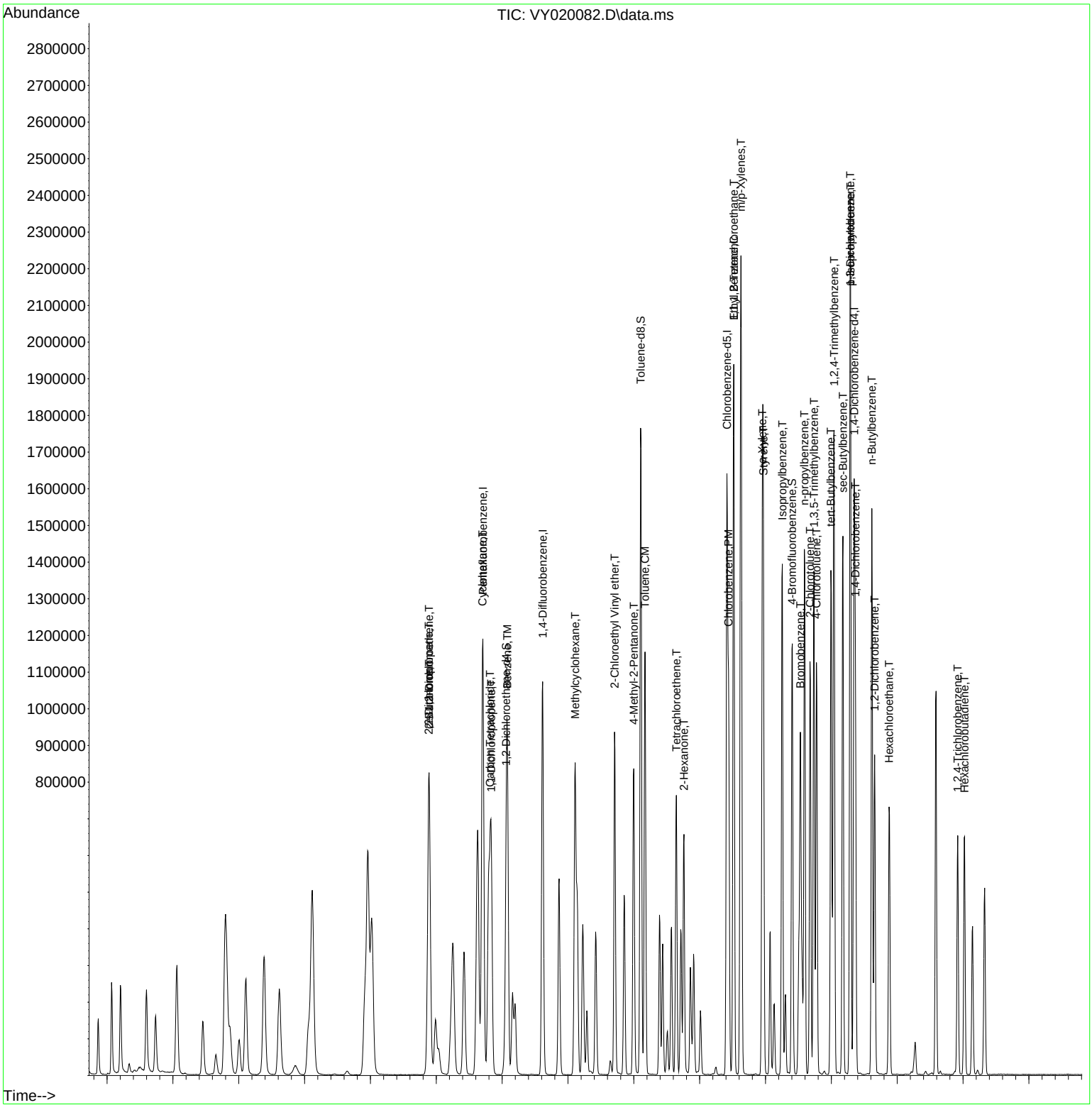
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	187#	0.00
2	T	Dichlorodifluoromethane	0.463	0.255	44.9#	125	0.00
3	P	Chloromethane	0.767	0.444	42.1#	122	0.00
4	C	Vinyl Chloride	0.823	0.491	40.3#	122	0.00
5	T	Bromomethane	0.546	0.314	42.5#	122	0.00
6	T	Chloroethane	0.531	0.308	42.0#	118	0.00
7	T	Trichlorofluoromethane	1.005	0.610	39.3#	123	0.00
8	T	Diethyl Ether	0.280	0.162	42.1#	120	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.564	0.341	39.5#	125	0.00
10	T	Methyl Iodide	0.544	0.313	42.5#	113	0.00
11	T	Tert butyl alcohol	0.045	0.021	53.3#	120	0.00
12	CM	1,1-Dichloroethene	0.540	0.330	38.9#	125	0.00
13	T	Acrolein	0.056	0.028	50.0#	104	0.00
14	T	Allyl chloride	0.973	0.595	38.8#	121	0.00
15	T	Acrylonitrile	0.128	0.072	43.8#	115	0.00
16	T	Acetone	0.145	0.086	40.7#	115	0.00
17	T	Carbon Disulfide	1.796	1.082	39.8#	121	0.00
18	T	Methyl Acetate	0.340	0.189	44.4#	111	0.00
19	T	Methyl tert-butyl Ether	1.357	0.790	41.8#	119	0.00
20	T	Methylene Chloride	0.652	0.343	47.4#	116	0.00
21	T	trans-1,2-Dichloroethene	0.609	0.365	40.1#	121	0.00
22	T	Diisopropyl ether	2.020	1.199	40.6#	118	0.00
23	T	Vinyl Acetate	1.137	0.676	40.5#	120	0.00
24	P	1,1-Dichloroethane	1.170	0.695	40.6#	121	0.00
25	T	2-Butanone	0.197	0.110	44.2#	115	0.00
26	T	2,2-Dichloropropane	0.973	0.586	39.8#	124	0.00
27	T	cis-1,2-Dichloroethene	0.700	0.415	40.7#	120	0.00
28	T	Bromochloromethane	0.548	0.290	47.1#	108	0.00
29	T	Tetrahydrofuran	0.114	0.063	44.7#	114	0.00
30	C	Chloroform	1.161	0.680	41.4#	119	0.00
31	T	Cyclohexane	1.132	0.674	40.5#	128	0.00
32	T	1,1,1-Trichloroethane	1.013	0.613	39.5#	121	0.00
33	S	1,2-Dichloroethane-d4	0.624	0.656	-5.1	209#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	191#	0.00
35	S	Dibromofluoromethane	0.318	0.319	-0.3	200#	0.00
36	T	1,1-Dichloropropene	0.491	0.294	40.1#	125	0.00
37	T	Ethyl Acetate	0.234	0.126	46.2#	115	0.00
38	T	Carbon Tetrachloride	0.494	0.297	39.9#	123	0.00
39	T	Methylcyclohexane	0.623	0.379	39.2#	125	0.00
40	TM	Benzene	1.433	0.835	41.7#	121	0.00
41	T	Methacrylonitrile	0.117	0.074	36.8#	119	0.00
42	TM	1,2-Dichloroethane	0.397	0.223	43.8#	117	0.00
43	T	Isopropyl Acetate	0.450	0.251	44.2#	116	0.00
44	TM	Trichloroethene	0.332	0.189	43.1#	118	0.00
45	C	1,2-Dichloropropane	0.343	0.196	42.9#	118	0.00
46	T	Dibromomethane	0.186	0.105	43.5#	117	0.00
47	T	Bromodichloromethane	0.487	0.280	42.5#	119	0.00
48	T	Methyl methacrylate	0.209	0.119	43.1#	116	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	0.001	50.0#	114	0.00
50	S	Toluene-d8	1.265	1.284	-1.5	201#	0.00
51	T	4-Methyl-2-Pentanone	0.232	0.131	43.5#	114	0.00
52	CM	Toluene	0.884	0.532	39.8#	122	0.00
53	T	t-1,3-Dichloropropene	0.430	0.250	41.9#	119	0.00
54	T	cis-1,3-Dichloropropene	0.513	0.299	41.7#	118	0.00
55	T	1,1,2-Trichloroethane	0.231	0.133	42.4#	118	0.00
56	T	Ethyl methacrylate	0.331	0.193	41.7#	118	0.00
57	T	1,3-Dichloropropane	0.423	0.240	43.3#	117	0.00
58	T	2-Chloroethyl Vinyl ether	0.163	0.088	46.0#	105	0.00
59	T	2-Hexanone	0.166	0.095	42.8#	115	0.00
60	T	Dibromochloromethane	0.295	0.169	42.7#	119	0.00
61	T	1,2-Dibromoethane	0.215	0.118	45.1#	116	0.00
62	S	4-Bromofluorobenzene	0.411	0.409	0.5	196#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	192#	0.00
64	T	Tetrachloroethene	0.330	0.192	41.8#	120	0.00
65	PM	Chlorobenzene	1.065	0.623	41.5#	120	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.197	42.1#	119	0.00
67	C	Ethyl Benzene	1.992	1.191	40.2#	122	0.00
68	T	m/p-Xylenes	0.729	0.441	39.5#	122	0.00
69	T	o-Xylene	0.690	0.414	40.0#	122	0.00
70	T	Styrene	1.141	0.698	38.8#	122	0.00
71	P	Bromoform	0.175	0.103	41.1#	120	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	172#	0.00
73	T	Isopropylbenzene	3.994	2.618	34.5#	122	0.00
74	T	N-amyl acetate	0.998	0.636	36.3#	119	0.00
75	P	1,1,2,2-Tetrachloroethane	0.699	0.416	40.5#	115	0.00
76	T	1,2,3-Trichloropropane	0.469	0.287	38.8#	115	0.00
77	T	Bromobenzene	0.808	0.504	37.6#	117	0.00
78	T	n-propylbenzene	4.971	3.298	33.7#	124	0.00
79	T	2-Chlorotoluene	2.759	1.793	35.0#	123	0.00
80	T	1,3,5-Trimethylbenzene	3.207	2.125	33.7#	123	0.00
81	T	trans-1,4-Dichloro-2-butene	0.218	0.133	39.0#	116	0.00
82	T	4-Chlorotoluene	2.813	1.839	34.6#	122	0.00
83	T	tert-Butylbenzene	2.804	1.904	32.1#	123	0.00
84	T	1,2,4-Trimethylbenzene	3.176	2.087	34.3#	122	0.00
85	T	sec-Butylbenzene	4.305	2.912	32.4#	125	0.00
86	T	p-Isopropyltoluene	3.454	2.339	32.3#	125	0.00
87	T	1,3-Dichlorobenzene	1.641	1.054	35.8#	120	0.00
88	T	1,4-Dichlorobenzene	1.634	1.040	36.4#	121	0.00
89	T	n-Butylbenzene	3.463	2.401	30.7#	127	0.00
90	T	Hexachloroethane	0.683	0.451	34.0#	124	0.00
91	T	1,2-Dichlorobenzene	1.426	0.911	36.1#	120	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.106	0.063	40.6#	119	0.00
93	T	1,2,4-Trichlorobenzene	0.766	0.507	33.8#	126	0.00
94	T	Hexachlorobutadiene	0.419	0.282	32.7#	125	0.00
95	T	Naphthalene	1.432	0.933	34.8#	121	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	0.650	0.422	35.1#	126	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\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	187	0.00
2	T	Dichlorodifluoromethane	50.000	27.512	45.0#	125	0.00
3	P	Chloromethane	50.000	28.978	42.0#	122	0.00
4	C	Vinyl Chloride	50.000	29.832	40.3#	122	0.00
5	T	Bromomethane	50.000	28.740	42.5#	122	0.00
6	T	Chloroethane	50.000	28.986	42.0#	118	0.00
7	T	Trichlorofluoromethane	50.000	30.329	39.3#	123	0.00
8	T	Diethyl Ether	50.000	28.839	42.3#	120	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	30.214	39.6#	125	0.00
10	T	Methyl Iodide	50.000	28.738	42.5#	113	0.00
11	T	Tert butyl alcohol	250.000	117.881	52.8#	120	0.00
12	CM	1,1-Dichloroethene	50.000	30.538	38.9#	125	0.00
13	T	Acrolein	250.000	123.633	50.5#	104	0.00
14	T	Allyl chloride	50.000	30.540	38.9#	121	0.00
15	T	Acrylonitrile	250.000	140.436	43.8#	115	0.00
16	T	Acetone	250.000	147.642	40.9#	115	0.00
17	T	Carbon Disulfide	50.000	30.122	39.8#	121	0.00
18	T	Methyl Acetate	50.000	27.718	44.6#	111	0.00
19	T	Methyl tert-butyl Ether	50.000	29.087	41.8#	119	0.00
20	T	Methylene Chloride	50.000	26.345	47.3#	116	0.00
21	T	trans-1,2-Dichloroethene	50.000	30.014	40.0#	121	0.00
22	T	Diisopropyl ether	50.000	29.665	40.7#	118	0.00
23	T	Vinyl Acetate	250.000	148.749	40.5#	120	0.00
24	P	1,1-Dichloroethane	50.000	29.716	40.6#	121	0.00
25	T	2-Butanone	250.000	140.170	43.9#	115	0.00
26	T	2,2-Dichloropropane	50.000	30.103	39.8#	124	0.00
27	T	cis-1,2-Dichloroethene	50.000	29.687	40.6#	120	0.00
28	T	Bromochloromethane	50.000	26.502	47.0#	108	0.00
29	T	Tetrahydrofuran	250.000	139.758	44.1#	114	0.00
30	C	Chloroform	50.000	29.297	41.4#	119	0.00
31	T	Cyclohexane	50.000	29.776	40.4#	128	0.00
32	T	1,1,1-Trichloroethane	50.000	30.248	39.5#	121	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.594	-5.2	209	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	191	0.00
35	S	Dibromofluoromethane	50.000	50.153	-0.3	200	0.00
36	T	1,1-Dichloropropene	50.000	29.905	40.2#	125	0.00
37	T	Ethyl Acetate	50.000	26.927	46.1#	115	0.00
38	T	Carbon Tetrachloride	50.000	30.060	39.9#	123	0.00
39	T	Methylcyclohexane	50.000	30.388	39.2#	125	0.00
40	TM	Benzene	50.000	29.132	41.7#	121	0.00
41	T	Methacrylonitrile	50.000	31.457	37.1#	119	0.00
42	TM	1,2-Dichloroethane	50.000	28.075	43.9#	117	0.00
43	T	Isopropyl Acetate	50.000	27.843	44.3#	116	0.00
44	TM	Trichloroethene	50.000	28.504	43.0#	118	0.00
45	C	1,2-Dichloropropane	50.000	28.630	42.7#	118	0.00
46	T	Dibromomethane	50.000	28.139	43.7#	117	0.00
47	T	Bromodichloromethane	50.000	28.761	42.5#	119	0.00
48	T	Methyl methacrylate	50.000	28.624	42.8#	116	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	543.556	45.6#	114	0.00
50	S	Toluene-d8	50.000	50.725	-1.5	201	0.00
51	T	4-Methyl-2-Pentanone	250.000	140.651	43.7#	114	0.00
52	CM	Toluene	50.000	30.087	39.8#	122	0.00
53	T	t-1,3-Dichloropropene	50.000	29.035	41.9#	119	0.00
54	T	cis-1,3-Dichloropropene	50.000	29.155	41.7#	118	0.00
55	T	1,1,2-Trichloroethane	50.000	28.807	42.4#	118	0.00
56	T	Ethyl methacrylate	50.000	29.180	41.6#	118	0.00
57	T	1,3-Dichloropropane	50.000	28.306	43.4#	117	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	133.877	46.4#	105	0.00
59	T	2-Hexanone	250.000	142.834	42.9#	115	0.00
60	T	Dibromochloromethane	50.000	28.720	42.6#	119	0.00
61	T	1,2-Dibromoethane	50.000	27.501	45.0#	116	0.00
62	S	4-Bromofluorobenzene	50.000	49.768	0.5	196	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	192	0.00
64	T	Tetrachloroethene	50.000	29.134	41.7#	120	0.00
65	PM	Chlorobenzene	50.000	29.232	41.5#	120	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	28.941	42.1#	119	0.00
67	C	Ethyl Benzene	50.000	29.899	40.2#	122	0.00
68	T	m/p-Xylenes	100.000	60.470	39.5#	122	0.00
69	T	o-Xylene	50.000	29.996	40.0#	122	0.00
70	T	Styrene	50.000	30.608	38.8#	122	0.00
71	P	Bromoform	50.000	29.512	41.0#	120	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	172	0.00
73	T	Isopropylbenzene	50.000	32.772	34.5#	122	0.00
74	T	N-amyl acetate	50.000	31.854	36.3#	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	29.793	40.4#	115	0.00
76	T	1,2,3-Trichloropropane	50.000	30.568	38.9#	115	0.00
77	T	Bromobenzene	50.000	31.197	37.6#	117	0.00
78	T	n-propylbenzene	50.000	33.175	33.7#	124	0.00
79	T	2-Chlorotoluene	50.000	32.482	35.0#	123	0.00
80	T	1,3,5-Trimethylbenzene	50.000	33.126	33.7#	123	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	30.573	38.9#	116	0.00
82	T	4-Chlorotoluene	50.000	32.684	34.6#	122	0.00
83	T	tert-Butylbenzene	50.000	33.952	32.1#	123	0.00
84	T	1,2,4-Trimethylbenzene	50.000	32.854	34.3#	122	0.00
85	T	sec-Butylbenzene	50.000	33.819	32.4#	125	0.00
86	T	p-Isopropyltoluene	50.000	33.856	32.3#	125	0.00
87	T	1,3-Dichlorobenzene	50.000	32.111	35.8#	120	0.00
88	T	1,4-Dichlorobenzene	50.000	31.826	36.3#	121	0.00
89	T	n-Butylbenzene	50.000	34.671	30.7#	127	0.00
90	T	Hexachloroethane	50.000	33.029	33.9#	124	0.00
91	T	1,2-Dichlorobenzene	50.000	31.920	36.2#	120	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	29.903	40.2#	119	0.00
93	T	1,2,4-Trichlorobenzene	50.000	33.062	33.9#	126	0.00
94	T	Hexachlorobutadiene	50.000	33.677	32.6#	125	0.00
95	T	Naphthalene	50.000	32.560	34.9#	121	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020082.D
Acq On : 30 Oct 2024 15:47
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103024

Quant Time: Oct 31 15:29:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	32.403	35.2#	126	0.00

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

Raw Data: **VY020239.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: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date/Time: 11/11/2024 11:11

Lab File ID: VY020239.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.463	0.427		-7.78	20
Chloromethane	0.767	0.726	0.1	-5.35	20
Vinyl Chloride	0.823	0.857		4.13	20
Bromomethane	0.546	0.543		-0.55	20
Chloroethane	0.531	0.560		5.46	20
Trichlorofluoromethane	1.005	1.112		10.65	20
1,1,2-Trichlorotrifluoroethane	0.564	0.594		5.32	20
1,1-Dichloroethene	0.540	0.581		7.59	20
Acetone	0.145	0.173		19.31	20
Carbon Disulfide	1.796	1.791		-0.28	20
Methyl tert-butyl Ether	1.357	1.524		12.31	20
Methyl Acetate	0.340	0.362		6.47	20
Methylene Chloride	0.652	0.616		-5.52	20
trans-1,2-Dichloroethene	0.609	0.647		6.24	20
1,1-Dichloroethane	1.170	1.268	0.1	8.38	20
Cyclohexane	1.132	1.098		-3	20
2-Butanone	0.197	0.215		9.14	20
Carbon Tetrachloride	0.494	0.562		13.77	20
cis-1,2-Dichloroethene	0.700	0.774		10.57	20
Bromochloromethane	0.548	0.576		5.11	20
Chloroform	1.161	1.287		10.85	20
1,1,1-Trichloroethane	1.013	1.141		12.64	20
Methylcyclohexane	0.623	0.655		5.14	20
Benzene	1.433	1.567		9.35	20
1,2-Dichloroethane	0.397	0.429		8.06	20
Trichloroethene	0.332	0.369		11.15	20
1,2-Dichloropropane	0.343	0.375		9.33	20
Bromodichloromethane	0.487	0.554		13.76	20
4-Methyl-2-Pentanone	0.232	0.255		9.91	20
Toluene	0.884	0.983		11.2	20
t-1,3-Dichloropropene	0.430	0.488		13.49	20
cis-1,3-Dichloropropene	0.513	0.576		12.28	20
1,1,2-Trichloroethane	0.231	0.260		12.55	20
2-Hexanone	0.166	0.188		13.25	20
Dibromochloromethane	0.295	0.342		15.93	20
1,2-Dibromoethane	0.215	0.234		8.84	20
Tetrachloroethene	0.330	0.382		15.76	20
Chlorobenzene	1.065	1.193	0.3	12.02	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: **VY020239.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: MSVOA_Y Calibration Date/Time: 11/11/2024 11:11

Lab File ID: VY020239.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.992	2.238		12.35	20
m/p-Xylenes	0.729	0.824		13.03	20
o-Xylene	0.690	0.780		13.04	20
Styrene	1.141	1.333		16.83	20
Bromoform	0.175	0.203	0.1	16	20
Isopropylbenzene	3.994	4.485		12.29	20
1,1,2,2-Tetrachloroethane	0.699	0.743	0.3	6.3	20
1,3-Dichlorobenzene	1.641	1.812		10.42	20
1,4-Dichlorobenzene	1.634	1.772		8.45	20
1,2-Dichlorobenzene	1.426	1.583		11.01	20
1,2-Dibromo-3-Chloropropane	0.106	0.116		9.43	20
1,2,4-Trichlorobenzene	0.766	0.851		11.1	20
1,2,3-Trichlorobenzene	0.650	0.711		9.39	20
1,2-Dichloroethane-d4	0.624	0.635		1.76	20
Dibromofluoromethane	0.318	0.337		5.97	20
Toluene-d8	1.265	1.329		5.06	20
4-Bromofluorobenzene	0.411	0.447		8.76	20

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

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	256654	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.615	114	453274	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.413	117	393673	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187296	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.060	65	162926	50.863	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.720%				
35) Dibromofluoromethane	7.634	113	152606	52.953	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%				
50) Toluene-d8	10.103	98	602294	52.504	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.000%				
62) 4-Bromofluorobenzene	12.407	95	202729	54.409	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 108.820%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.866	85	109707	46.177	ug/l		99
3) Chloromethane	2.068	50	186347	47.353	ug/l		98
4) Vinyl Chloride	2.202	62	219896	52.051	ug/l		99
5) Bromomethane	2.598	94	139395	49.698	ug/l		98
6) Chloroethane	2.738	64	143642	52.684	ug/l		97
7) Trichlorofluoromethane	3.055	101	285317	55.284	ug/l		96
8) Diethyl Ether	3.458	74	79504	55.233	ug/l		83
9) 1,1,2-Trichlorotrifluo...	3.817	101	152341	52.627	ug/l		92
10) Methyl Iodide	4.006	142	155773	55.738	ug/l	#	89
11) Tert butyl alcohol	4.860	59	51534	223.664	ug/l	#	77
12) 1,1-Dichloroethene	3.793	96	149208	53.873	ug/l	#	75
13) Acrolein	3.653	56	43156	150.463	ug/l		99
14) Allyl chloride	4.384	41	267894	53.612	ug/l	#	90
15) Acrylonitrile	5.061	53	171786	262.178	ug/l		99
16) Acetone	3.866	43	221515	297.367	ug/l	#	82
17) Carbon Disulfide	4.104	76	459642	49.869	ug/l		98
18) Methyl Acetate	4.384	43	93001	53.211	ug/l	#	88
19) Methyl tert-butyl Ether	5.122	73	391241	56.150	ug/l		100
20) Methylene Chloride	4.622	84	158098	47.245	ug/l	#	87
21) trans-1,2-Dichloroethene	5.116	96	166004	53.146	ug/l	#	85
22) Diisopropyl ether	6.018	45	568346	54.809	ug/l		91
23) Vinyl Acetate	5.957	43	1565544	268.272	ug/l	#	92
24) 1,1-Dichloroethane	5.914	63	325511	54.212	ug/l		97
25) 2-Butanone	6.896	43	275775	273.106	ug/l	#	85
26) 2,2-Dichloropropane	6.884	77	277720	55.591	ug/l		95
27) cis-1,2-Dichloroethene	6.890	96	198595	55.310	ug/l		84
28) Bromochloromethane	7.243	49	147765	52.557	ug/l	#	75
29) Tetrahydrofuran	7.262	42	154012	264.288	ug/l	#	84
30) Chloroform	7.420	83	330430	55.457	ug/l		99
31) Cyclohexane	7.701	56	281924	48.500	ug/l		89
32) 1,1,1-Trichloroethane	7.615	97	292774	56.281	ug/l		94
36) 1,1-Dichloropropene	7.835	75	241832	54.322	ug/l		95
37) Ethyl Acetate	6.981	43	111718	52.635	ug/l	#	93
38) Carbon Tetrachloride	7.817	117	254548	56.860	ug/l		99
39) Methylcyclohexane	9.109	83	296897	52.546	ug/l	#	87
40) Benzene	8.079	78	710210	54.656	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.225	41	63269	59.506 ug/l	#	83
42) 1,2-Dichloroethane	8.158	62	194567	54.094 ug/l		94
43) Isopropyl Acetate	8.195	43	219088	53.678 ug/l	#	79
44) Trichloroethene	8.865	130	167182	55.511 ug/l		90
45) 1,2-Dichloropropane	9.139	63	170160	54.733 ug/l		97
46) Dibromomethane	9.231	93	90910	53.967 ug/l		89
47) Bromodichloromethane	9.420	83	251317	56.949 ug/l		99
48) Methyl methacrylate	9.219	41	103016	54.490 ug/l	#	82
49) 1,4-Dioxane	9.225	88	18956	1092.992 ug/l	#	98
51) 4-Methyl-2-Pentanone	9.999	43	577064	274.391 ug/l		90
52) Toluene	10.170	92	445497	55.618 ug/l		99
53) t-1,3-Dichloropropene	10.389	75	221128	56.744 ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	261035	56.120 ug/l	#	87
55) 1,1,2-Trichloroethane	10.572	97	118033	56.354 ug/l		98
56) Ethyl methacrylate	10.438	69	172002	57.249 ug/l	#	74
57) 1,3-Dichloropropane	10.712	76	211197	55.062 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	398554	268.985 ug/l		94
59) 2-Hexanone	10.761	43	427147	283.302 ug/l		88
60) Dibromochloromethane	10.907	129	155077	58.085 ug/l		99
61) 1,2-Dibromoethane	11.011	107	106090	54.519 ug/l		98
64) Tetrachloroethene	10.645	164	150404	57.863 ug/l		94
65) Chlorobenzene	11.438	112	469735	55.999 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	156876	58.536 ug/l		97
67) Ethyl Benzene	11.517	91	880921	56.180 ug/l		99
68) m/p-Xylenes	11.627	106	649015	113.130 ug/l		92
69) o-Xylene	11.956	106	307088	56.539 ug/l		93
70) Styrene	11.968	104	524681	58.424 ug/l		96
71) Bromoform	12.133	173	79917	58.127 ug/l	#	97
73) Isopropylbenzene	12.255	105	840083	56.147 ug/l		97
74) N-amyl acetate	12.072	43	209564	56.031 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	139169	53.184 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	100455m	57.216 ug/l		
77) Bromobenzene	12.529	156	166317	54.964 ug/l		84
78) n-propylbenzene	12.596	91	1028450	55.230 ug/l		97
79) 2-Chlorotoluene	12.682	91	567794	54.931 ug/l		94
80) 1,3,5-Trimethylbenzene	12.736	105	667412	55.562 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	45095	55.247 ug/l	#	83
82) 4-Chlorotoluene	12.779	91	589864	55.969 ug/l		94
83) tert-Butylbenzene	12.999	119	605567	57.653 ug/l		95
84) 1,2,4-Trimethylbenzene	13.041	105	665538	55.939 ug/l		96
85) sec-Butylbenzene	13.175	105	905553	56.158 ug/l		98
86) p-Isopropyltoluene	13.291	119	724703	56.006 ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	339395	55.211 ug/l		97
88) 1,4-Dichlorobenzene	13.364	146	331913	54.219 ug/l		97
89) n-Butylbenzene	13.614	91	721601	55.630 ug/l		98
90) Hexachloroethane	13.883	117	145470	56.845 ug/l		84
91) 1,2-Dichlorobenzene	13.657	146	296510	55.493 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	21633	54.513 ug/l		74
93) 1,2,4-Trichlorobenzene	14.919	180	159389	55.529 ug/l		98
94) Hexachlorobutadiene	15.023	225	85519	54.485 ug/l		97
95) Naphthalene	15.145	128	311113	57.983 ug/l		100
96) 1,2,3-Trichlorobenzene	15.333	180	133198	54.667 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

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

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

Sample Results: **VY020239.D**

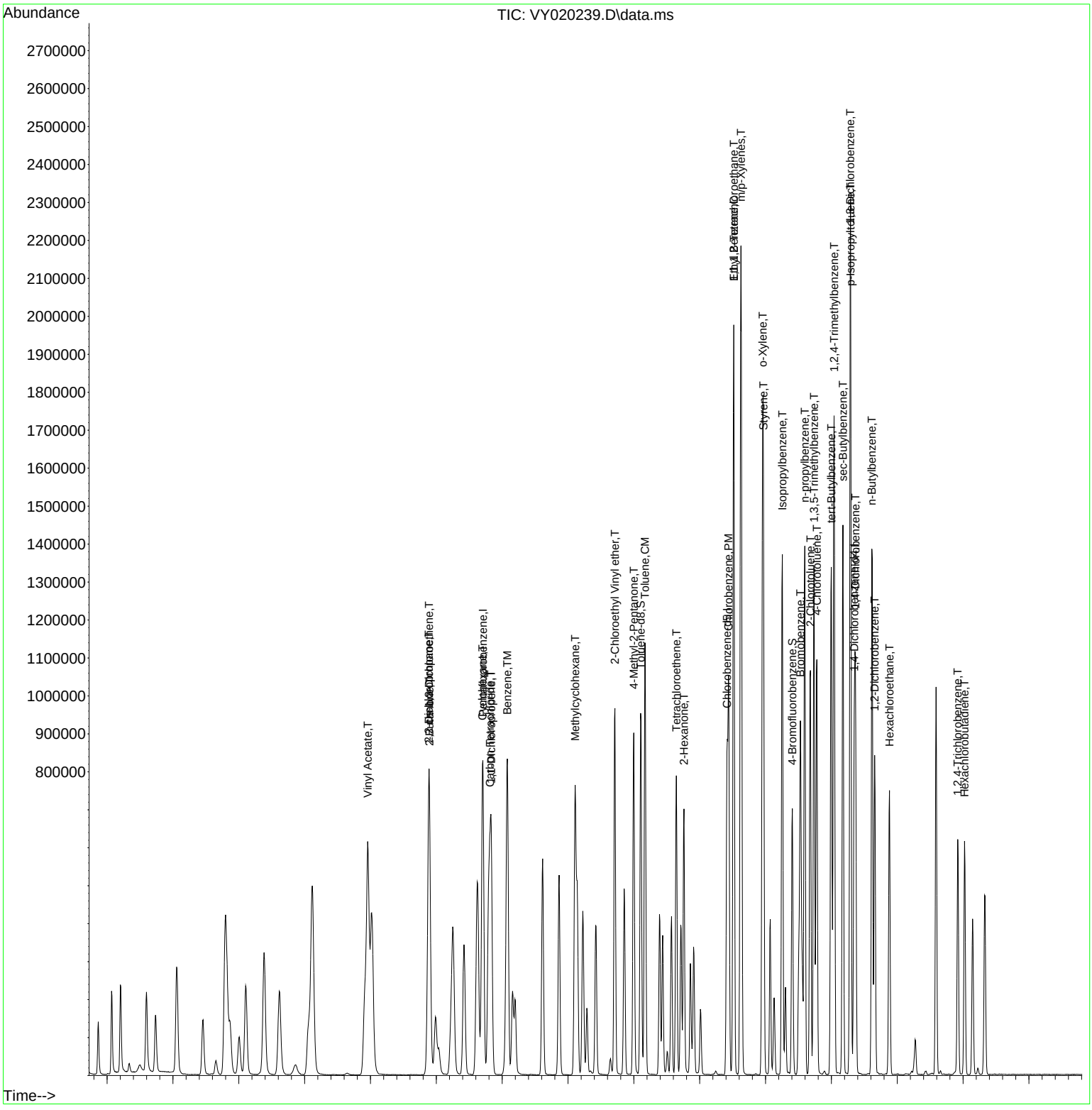
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024



Evaluate Continuing Calibration Report

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	101	0.00
2	T	Dichlorodifluoromethane	0.463	0.427	7.8	114	0.00
3	P	Chloromethane	0.767	0.726	5.3	108	0.00
4	C	Vinyl Chloride	0.823	0.857	-4.1#	115	0.00
5	T	Bromomethane	0.546	0.543	0.5	115	0.00
6	T	Chloroethane	0.531	0.560	-5.5	117	0.00
7	T	Trichlorofluoromethane	1.005	1.112	-10.6	122	0.00
8	T	Diethyl Ether	0.280	0.310	-10.7	125	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.564	0.594	-5.3	118	0.00
10	T	Methyl Iodide	0.544	0.607	-11.6	119	0.00
11	T	Tert butyl alcohol	0.045	0.040	11.1	124	0.00
12	CM	1,1-Dichloroethene	0.540	0.581	-7.6#	120	0.00
13	T	Acrolein	0.056	0.034	39.3#	69	0.00
14	T	Allyl chloride	0.973	1.044	-7.3	116	0.00
15	T	Acrylonitrile	0.128	0.134	-4.7	116	0.00
16	T	Acetone	0.145	0.173	-19.3	125	0.00
17	T	Carbon Disulfide	1.796	1.791	0.3	108	0.00
18	T	Methyl Acetate	0.340	0.362	-6.5	116	0.00
19	T	Methyl tert-butyl Ether	1.357	1.524	-12.3	125	0.00
20	T	Methylene Chloride	0.652	0.616	5.5	113	0.00
21	T	trans-1,2-Dichloroethene	0.609	0.647	-6.2	116	0.00
22	T	Diisopropyl ether	2.020	2.214	-9.6	119	0.00
23	T	Vinyl Acetate	1.137	1.220	-7.3	117	0.00
24	P	1,1-Dichloroethane	1.170	1.268	-8.4	120	0.00
25	T	2-Butanone	0.197	0.215	-9.1	122	0.00
26	T	2,2-Dichloropropane	0.973	1.082	-11.2	125	0.00
27	T	cis-1,2-Dichloroethene	0.700	0.774	-10.6	121	0.00
28	T	Bromochloromethane	0.548	0.576	-5.1	116	0.00
29	T	Tetrahydrofuran	0.114	0.120	-5.3	117	0.00
30	C	Chloroform	1.161	1.287	-10.9#	122	0.00
31	T	Cyclohexane	1.132	1.098	3.0	113	0.00
32	T	1,1,1-Trichloroethane	1.013	1.141	-12.6	122	0.00
33	S	1,2-Dichloroethane-d4	0.624	0.635	-1.8	110	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.318	0.337	-6.0	111	0.00
36	T	1,1-Dichloropropene	0.491	0.534	-8.8	120	0.00
37	T	Ethyl Acetate	0.234	0.246	-5.1	118	0.00
38	T	Carbon Tetrachloride	0.494	0.562	-13.8	123	0.00
39	T	Methylcyclohexane	0.623	0.655	-5.1	114	0.00
40	TM	Benzene	1.433	1.567	-9.4	119	0.00
41	T	Methacrylonitrile	0.117	0.140	-19.7	118	0.00
42	TM	1,2-Dichloroethane	0.397	0.429	-8.1	119	0.00
43	T	Isopropyl Acetate	0.450	0.483	-7.3	118	0.00
44	TM	Trichloroethene	0.332	0.369	-11.1	121	0.00
45	C	1,2-Dichloropropane	0.343	0.375	-9.3#	119	0.00
46	T	Dibromomethane	0.186	0.201	-8.1	118	0.00
47	T	Bromodichloromethane	0.487	0.554	-13.8	124	0.00
48	T	Methyl methacrylate	0.209	0.227	-8.6	116	0.00

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	121	0.00
50	S	Toluene-d8	1.265	1.329	-5.1	110	0.00
51	T	4-Methyl-2-Pentanone	0.232	0.255	-9.9	117	0.00
52	CM	Toluene	0.884	0.983	-11.2#	119	0.00
53	T	t-1,3-Dichloropropene	0.430	0.488	-13.5	123	0.00
54	T	cis-1,3-Dichloropropene	0.513	0.576	-12.3	120	0.00
55	T	1,1,2-Trichloroethane	0.231	0.260	-12.6	122	0.00
56	T	Ethyl methacrylate	0.331	0.379	-14.5	122	0.00
57	T	1,3-Dichloropropane	0.423	0.466	-10.2	120	0.00
58	T	2-Chloroethyl Vinyl ether	0.163	0.176	-8.0	111	0.00
59	T	2-Hexanone	0.166	0.188	-13.3	121	0.00
60	T	Dibromochloromethane	0.295	0.342	-15.9	127	0.00
61	T	1,2-Dibromoethane	0.215	0.234	-8.8	121	0.00
62	S	4-Bromofluorobenzene	0.411	0.447	-8.8	113	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.330	0.382	-15.8	125	0.00
65	PM	Chlorobenzene	1.065	1.193	-12.0	121	0.00
66	T	1,1,1,2-Tetrachloroethane	0.340	0.398	-17.1	126	0.00
67	C	Ethyl Benzene	1.992	2.238	-12.3#	120	0.00
68	T	m/p-Xylenes	0.729	0.824	-13.0	120	0.00
69	T	o-Xylene	0.690	0.780	-13.0	121	0.00
70	T	Styrene	1.141	1.333	-16.8	123	0.00
71	P	Bromoform	0.175	0.203	-16.0	124	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.994	4.485	-12.3	122	0.00
74	T	N-amyl acetate	0.998	1.119	-12.1	122	0.00
75	P	1,1,2,2-Tetrachloroethane	0.699	0.743	-6.3	119	0.00
76	T	1,2,3-Trichloropropane	0.469	0.536	-14.3	125	0.00
77	T	Bromobenzene	0.808	0.888	-9.9	119	0.00
78	T	n-propylbenzene	4.971	5.491	-10.5	120	0.00
79	T	2-Chlorotoluene	2.759	3.032	-9.9	120	0.00
80	T	1,3,5-Trimethylbenzene	3.207	3.563	-11.1	120	0.00
81	T	trans-1,4-Dichloro-2-butene	0.218	0.241	-10.6	122	0.00
82	T	4-Chlorotoluene	2.813	3.149	-11.9	121	0.00
83	T	tert-Butylbenzene	2.804	3.233	-15.3	121	0.00
84	T	1,2,4-Trimethylbenzene	3.176	3.553	-11.9	121	0.00
85	T	sec-Butylbenzene	4.305	4.835	-12.3	121	0.00
86	T	p-Isopropyltoluene	3.454	3.869	-12.0	119	0.00
87	T	1,3-Dichlorobenzene	1.641	1.812	-10.4	120	0.00
88	T	1,4-Dichlorobenzene	1.634	1.772	-8.4	119	0.00
89	T	n-Butylbenzene	3.463	3.853	-11.3	118	0.00
90	T	Hexachloroethane	0.683	0.777	-13.8	123	0.00
91	T	1,2-Dichlorobenzene	1.426	1.583	-11.0	121	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.106	0.116	-9.4	126	0.00
93	T	1,2,4-Trichlorobenzene	0.766	0.851	-11.1	123	0.00
94	T	Hexachlorobutadiene	0.419	0.457	-9.1	117	0.00
95	T	Naphthalene	1.432	1.661	-16.0	125	0.00

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	0.650	0.711	-9.4	123	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	101	0.00
2	T	Dichlorodifluoromethane	50.000	46.177	7.6	114	0.00
3	P	Chloromethane	50.000	47.353	5.3	108	0.00
4	C	Vinyl Chloride	50.000	52.051	-4.1#	115	0.00
5	T	Bromomethane	50.000	49.698	0.6	115	0.00
6	T	Chloroethane	50.000	52.684	-5.4	117	0.00
7	T	Trichlorofluoromethane	50.000	55.284	-10.6	122	0.00
8	T	Diethyl Ether	50.000	55.233	-10.5	125	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.627	-5.3	118	0.00
10	T	Methyl Iodide	50.000	55.738	-11.5	119	0.00
11	T	Tert butyl alcohol	250.000	223.664	10.5	124	0.00
12	CM	1,1-Dichloroethene	50.000	53.873	-7.7#	120	0.00
13	T	Acrolein	250.000	150.463	39.8#	69	0.00
14	T	Allyl chloride	50.000	53.612	-7.2	116	0.00
15	T	Acrylonitrile	250.000	262.178	-4.9	116	0.00
16	T	Acetone	250.000	297.367	-18.9	125	0.00
17	T	Carbon Disulfide	50.000	49.869	0.3	108	0.00
18	T	Methyl Acetate	50.000	53.211	-6.4	116	0.00
19	T	Methyl tert-butyl Ether	50.000	56.150	-12.3	125	0.00
20	T	Methylene Chloride	50.000	47.245	5.5	113	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.146	-6.3	116	0.00
22	T	Diisopropyl ether	50.000	54.809	-9.6	119	0.00
23	T	Vinyl Acetate	250.000	268.272	-7.3	117	0.00
24	P	1,1-Dichloroethane	50.000	54.212	-8.4	120	0.00
25	T	2-Butanone	250.000	273.106	-9.2	122	0.00
26	T	2,2-Dichloropropane	50.000	55.591	-11.2	125	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.310	-10.6	121	0.00
28	T	Bromochloromethane	50.000	52.557	-5.1	116	0.00
29	T	Tetrahydrofuran	250.000	264.288	-5.7	117	0.00
30	C	Chloroform	50.000	55.457	-10.9#	122	0.00
31	T	Cyclohexane	50.000	48.500	3.0	113	0.00
32	T	1,1,1-Trichloroethane	50.000	56.281	-12.6	122	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.863	-1.7	110	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	52.953	-5.9	111	0.00
36	T	1,1-Dichloropropene	50.000	54.322	-8.6	120	0.00
37	T	Ethyl Acetate	50.000	52.635	-5.3	118	0.00
38	T	Carbon Tetrachloride	50.000	56.860	-13.7	123	0.00
39	T	Methylcyclohexane	50.000	52.546	-5.1	114	0.00
40	TM	Benzene	50.000	54.656	-9.3	119	0.00
41	T	Methacrylonitrile	50.000	59.506	-19.0	118	0.00
42	TM	1,2-Dichloroethane	50.000	54.094	-8.2	119	0.00
43	T	Isopropyl Acetate	50.000	53.678	-7.4	118	0.00
44	TM	Trichloroethene	50.000	55.511	-11.0	121	0.00
45	C	1,2-Dichloropropane	50.000	54.733	-9.5#	119	0.00
46	T	Dibromomethane	50.000	53.967	-7.9	118	0.00
47	T	Bromodichloromethane	50.000	56.949	-13.9	124	0.00
48	T	Methyl methacrylate	50.000	54.490	-9.0	116	0.00

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	1092.992	-9.3	121	0.00
50	S	Toluene-d8	50.000	52.504	-5.0	110	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.391	-9.8	117	0.00
52	CM	Toluene	50.000	55.618	-11.2#	119	0.00
53	T	t-1,3-Dichloropropene	50.000	56.744	-13.5	123	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.120	-12.2	120	0.00
55	T	1,1,2-Trichloroethane	50.000	56.354	-12.7	122	0.00
56	T	Ethyl methacrylate	50.000	57.249	-14.5	122	0.00
57	T	1,3-Dichloropropane	50.000	55.062	-10.1	120	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.985	-7.6	111	0.00
59	T	2-Hexanone	250.000	283.302	-13.3	121	0.00
60	T	Dibromochloromethane	50.000	58.085	-16.2	127	0.00
61	T	1,2-Dibromoethane	50.000	54.519	-9.0	121	0.00
62	S	4-Bromofluorobenzene	50.000	54.409	-8.8	113	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	57.863	-15.7	125	0.00
65	PM	Chlorobenzene	50.000	55.999	-12.0	121	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	58.536	-17.1	126	0.00
67	C	Ethyl Benzene	50.000	56.180	-12.4#	120	0.00
68	T	m/p-Xylenes	100.000	113.130	-13.1	120	0.00
69	T	o-Xylene	50.000	56.539	-13.1	121	0.00
70	T	Styrene	50.000	58.424	-16.8	123	0.00
71	P	Bromoform	50.000	58.127	-16.3	124	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	56.147	-12.3	122	0.00
74	T	N-amyl acetate	50.000	56.031	-12.1	122	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.184	-6.4	119	0.00
76	T	1,2,3-Trichloropropane	50.000	57.216	-14.4	125	0.00
77	T	Bromobenzene	50.000	54.964	-9.9	119	0.00
78	T	n-propylbenzene	50.000	55.230	-10.5	120	0.00
79	T	2-Chlorotoluene	50.000	54.931	-9.9	120	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.562	-11.1	120	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.247	-10.5	122	0.00
82	T	4-Chlorotoluene	50.000	55.969	-11.9	121	0.00
83	T	tert-Butylbenzene	50.000	57.653	-15.3	121	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.939	-11.9	121	0.00
85	T	sec-Butylbenzene	50.000	56.158	-12.3	121	0.00
86	T	p-Isopropyltoluene	50.000	56.006	-12.0	119	0.00
87	T	1,3-Dichlorobenzene	50.000	55.211	-10.4	120	0.00
88	T	1,4-Dichlorobenzene	50.000	54.219	-8.4	119	0.00
89	T	n-Butylbenzene	50.000	55.630	-11.3	118	0.00
90	T	Hexachloroethane	50.000	56.845	-13.7	123	0.00
91	T	1,2-Dichlorobenzene	50.000	55.493	-11.0	121	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.513	-9.0	126	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.529	-11.1	123	0.00
94	T	Hexachlorobutadiene	50.000	54.485	-9.0	117	0.00
95	T	Naphthalene	50.000	57.983	-16.0	125	0.00

Sample Results: **VY020239.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020239.D
Acq On : 11 Nov 2024 11:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 23:11:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
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	54.667	-9.3	123	0.00

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

QC SAMPLE DATA

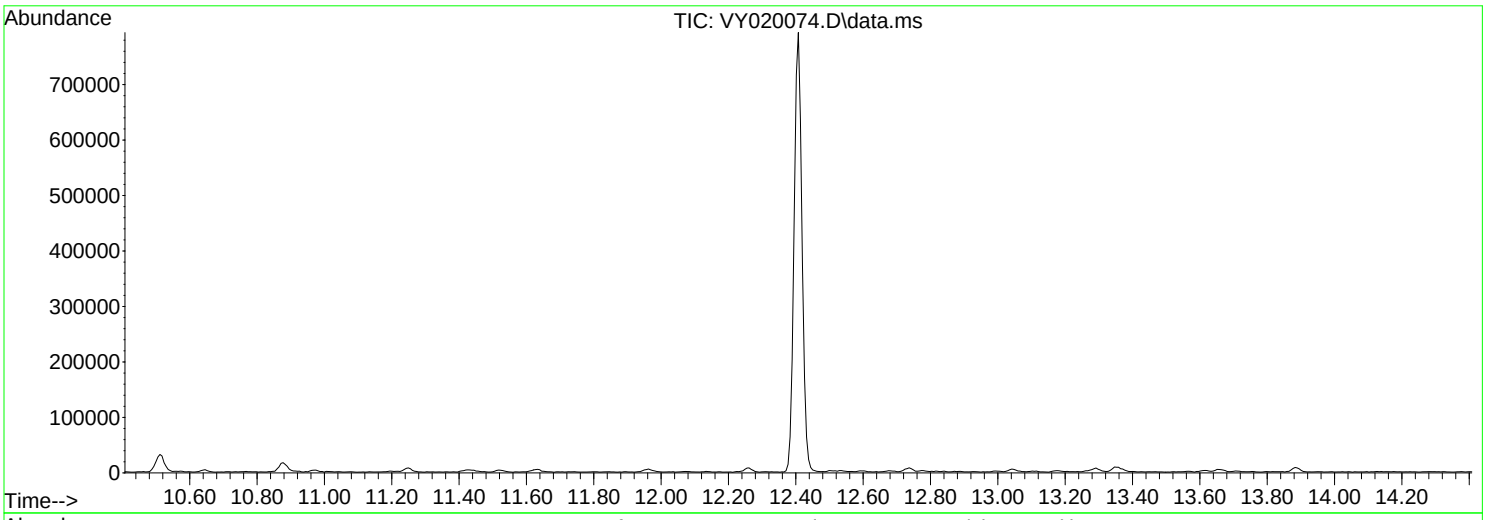
Sample Results: **VY020074.D**

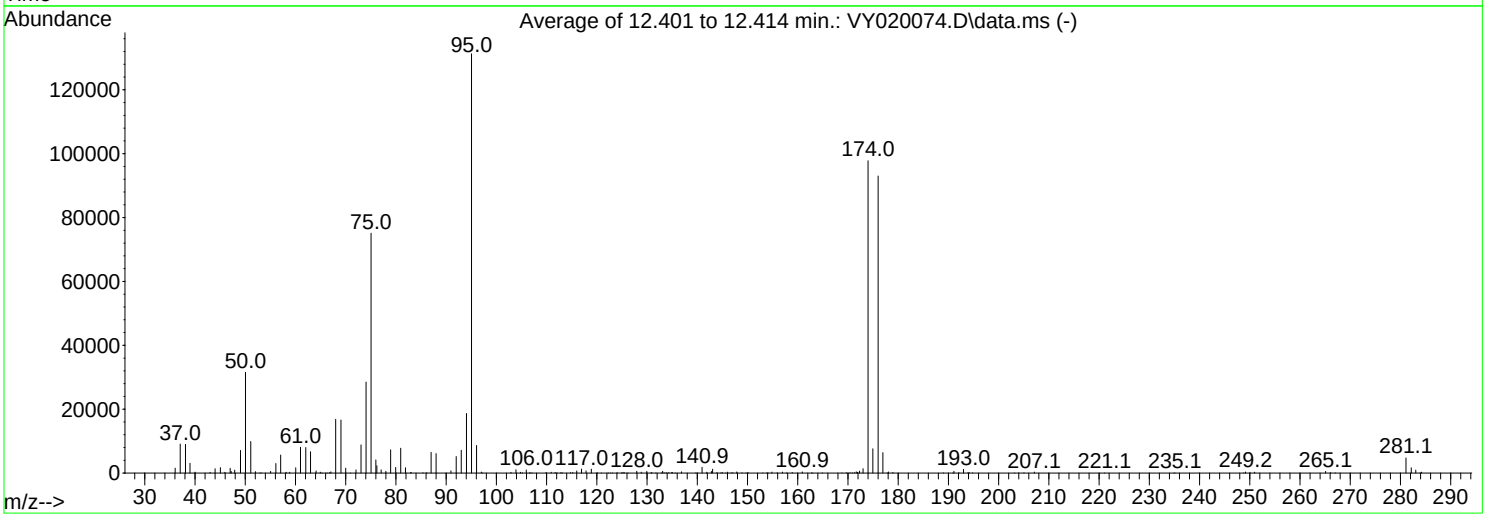
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103024\
Data File : VY020074.D
Acq On : 30 Oct 2024 12:07
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024





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	31536	PASS
75	95	30	60	57.2	75109	PASS
95	95	100	100	100.0	131296	PASS
96	95	5	9	6.6	8653	PASS
173	174	0.00	2	1.4	1390	PASS
174	95	50	100	74.5	97792	PASS
175	174	5	9	7.8	7615	PASS
176	174	95	101	95.1	93016	PASS
177	176	5	9	6.9	6402	PASS

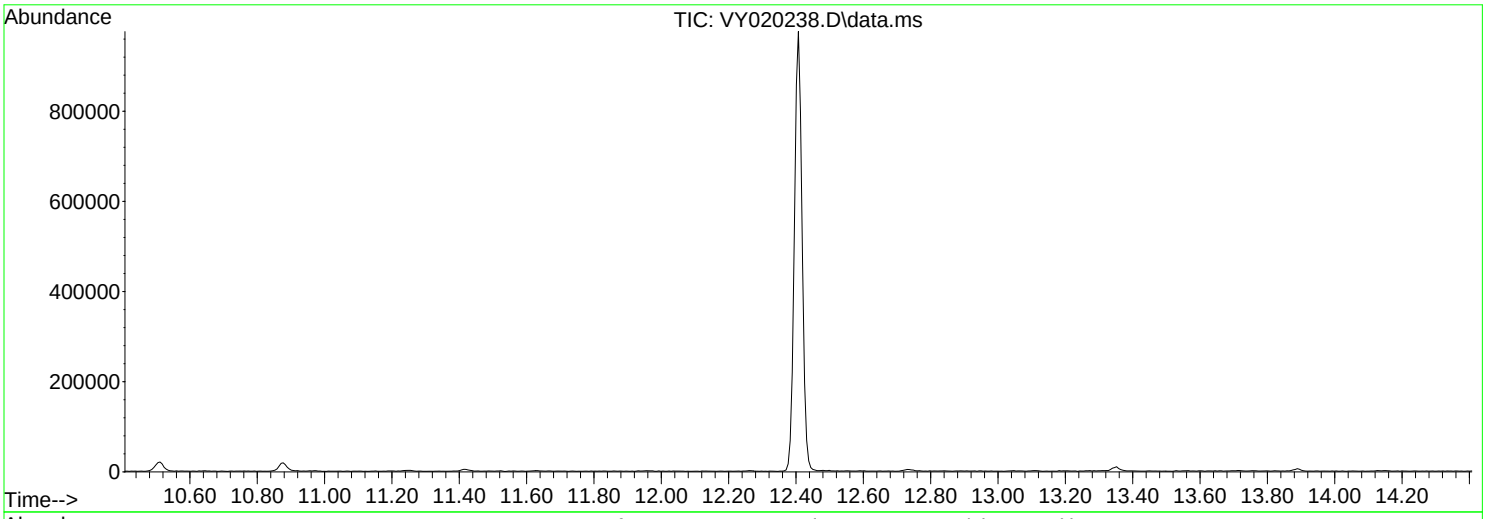
Sample Results: **VY020238.D**

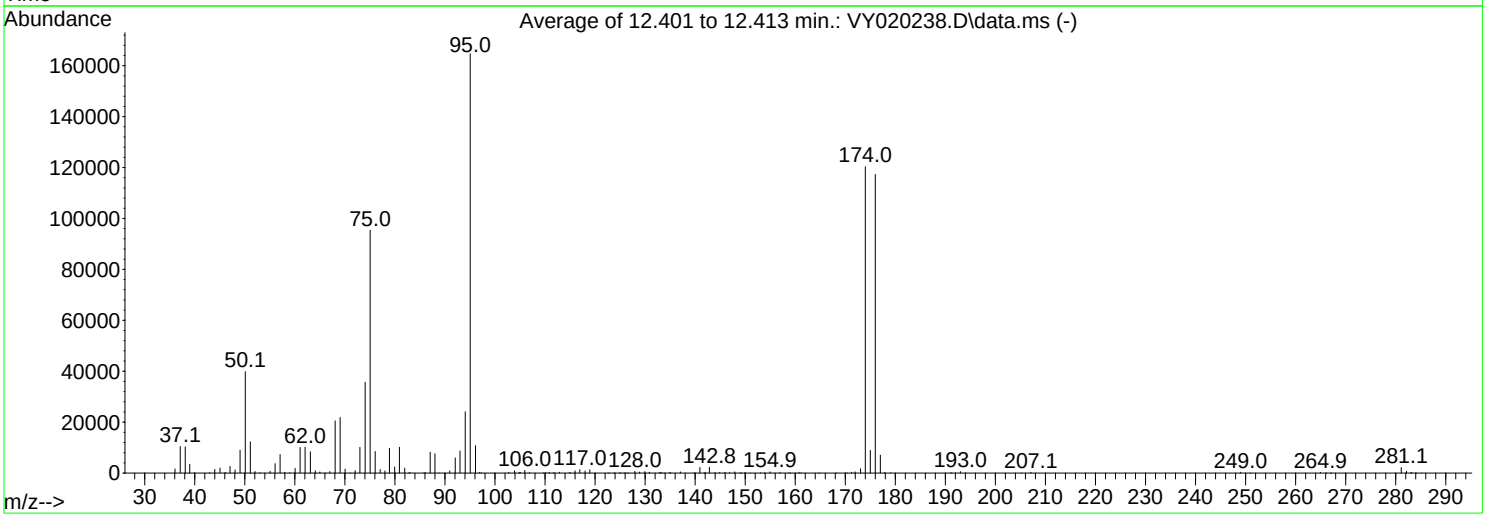
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020238.D
Acq On : 11 Nov 2024 09:30
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Title : SW846 8260
Last Update : Thu Oct 31 15:23:13 2024





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	24.2	39845	PASS
75	95	30	60	57.9	95432	PASS
95	95	100	100	100.0	164693	PASS
96	95	5	9	6.5	10769	PASS
173	174	0.00	2	1.4	1675	PASS
174	95	50	100	73.1	120309	PASS
175	174	5	9	7.4	8916	PASS
176	174	95	101	97.5	117272	PASS
177	176	5	9	6.0	7053	PASS

Raw Data: **VY020240.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBL01	SDG No.:	P4768
Lab Sample ID:	VY1111SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020240.D	1		11/11/24 11:39	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Raw Data: **VY020240.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBL01	SDG No.:	P4768
Lab Sample ID:	VY1111SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020240.D	1		11/11/24 11:39	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		50 - 163	87%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		54 - 147	93%	SPK: 50
2037-26-5	Toluene-d8	47.9		58 - 134	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.0		29 - 146	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	357000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346			

Raw Data: **VY020240.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBL01	SDG No.:	P4768
Lab Sample ID:	VY1111SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020240.D	1		11/11/24 11:39	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VY020240.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 11 23:12:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	215426	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	422891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	356582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116401	43.293	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.580%		
35) Dibromofluoromethane	7.634	113	124770	46.405	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.800%		
50) Toluene-d8	10.103	98	512470	47.884	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.760%		
62) 4-Bromofluorobenzene	12.408	95	139172	40.035	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	80.060%		
Target Compounds						Qvalue

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

Sample Results: **VY020240.D**

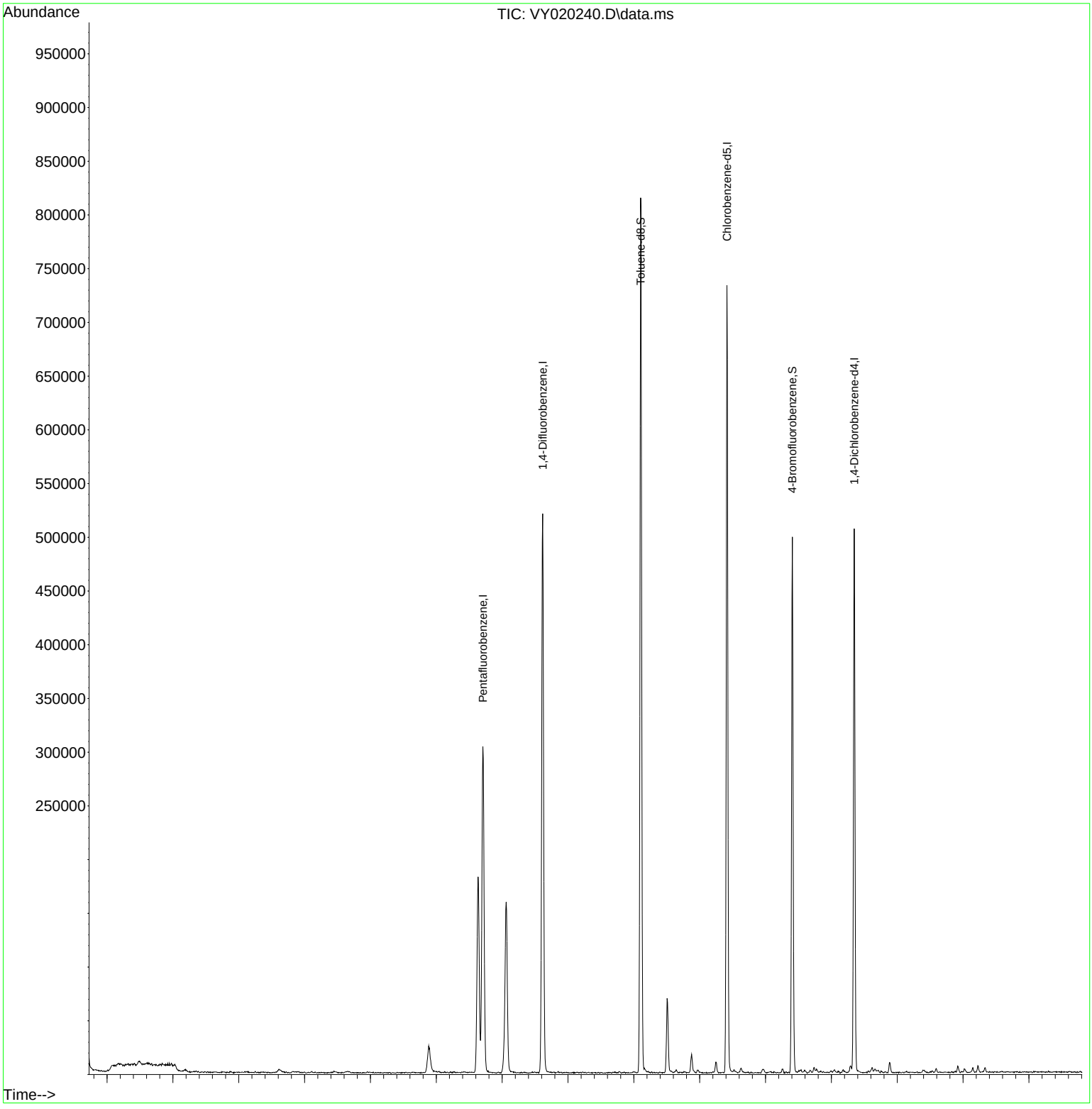
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

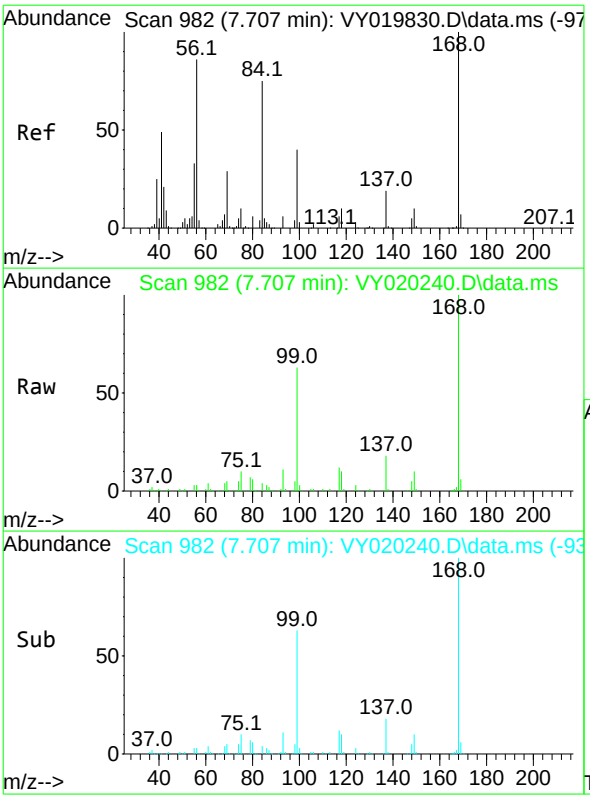
Quant Time: Nov 11 23:12:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

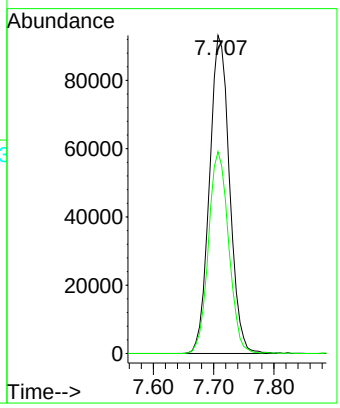
Tgt Ion:168 Resp: 215426

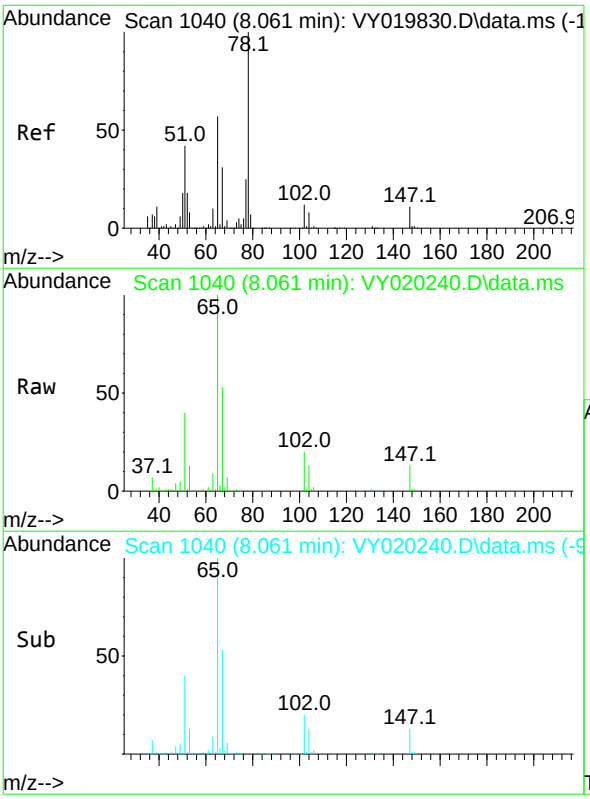
Ion	Ratio	Lower	Upper
168	100		
99	63.5	39.1	58.7#

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

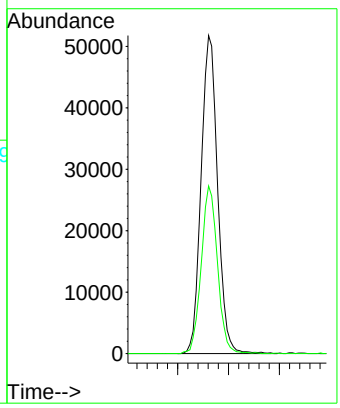


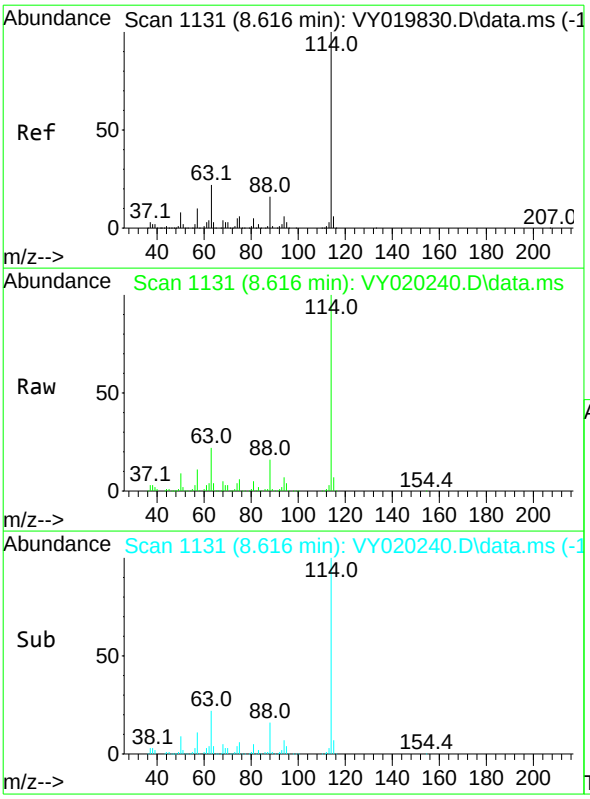


#33
1,2-Dichloroethane-d4
Concen: 43.293 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion: 65 Resp: 116401

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.6

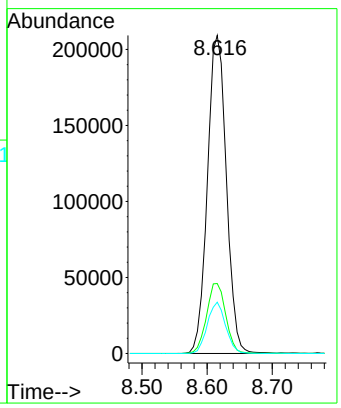




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion:114 Resp: 422891

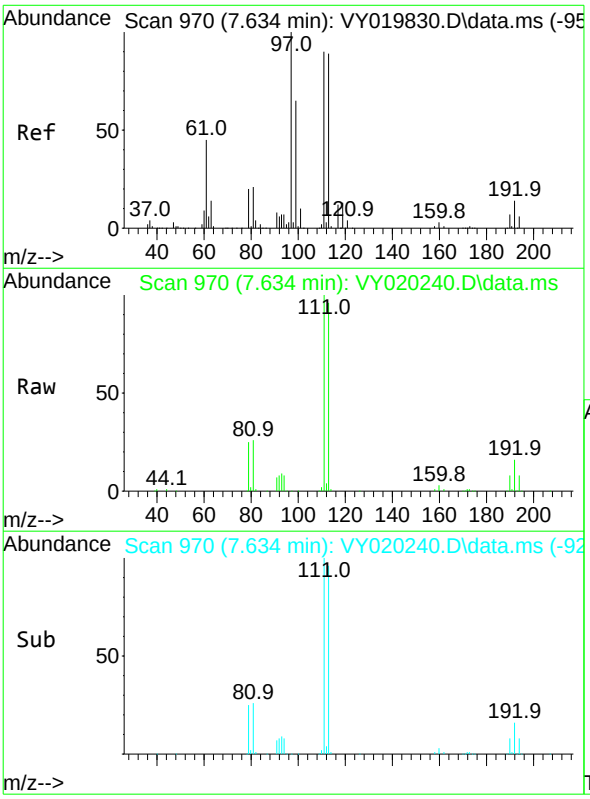
Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	35.0
88	16.1	0.0	27.2



Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations
APPROVED

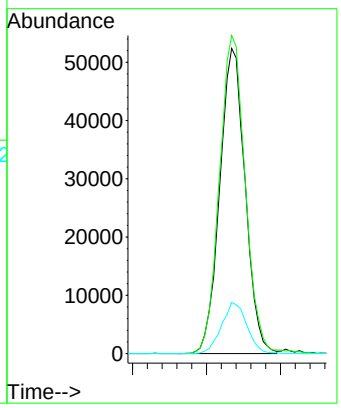
Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

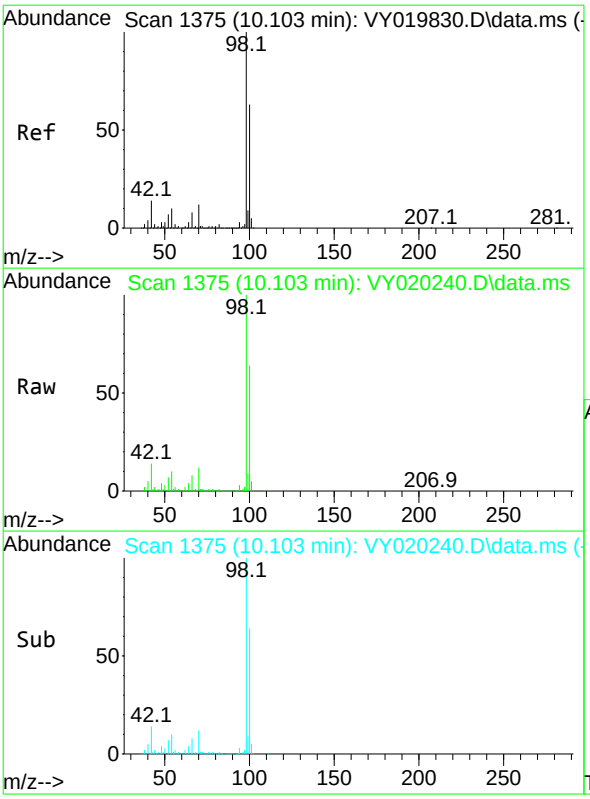


#35
Dibromofluoromethane
Concen: 46.405 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion:113 Resp: 124770

Ion	Ratio	Lower	Upper
113	100		
111	106.1	82.2	123.4
192	16.7	15.9	23.9





#50
Toluene-d8
Concen: 47.884 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

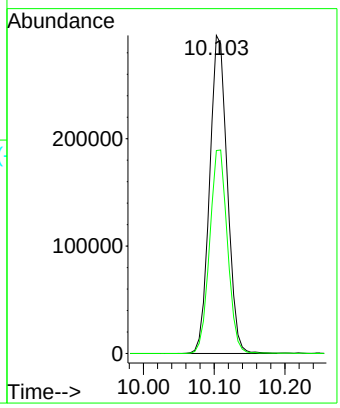
Tgt Ion: 98 Resp: 512470

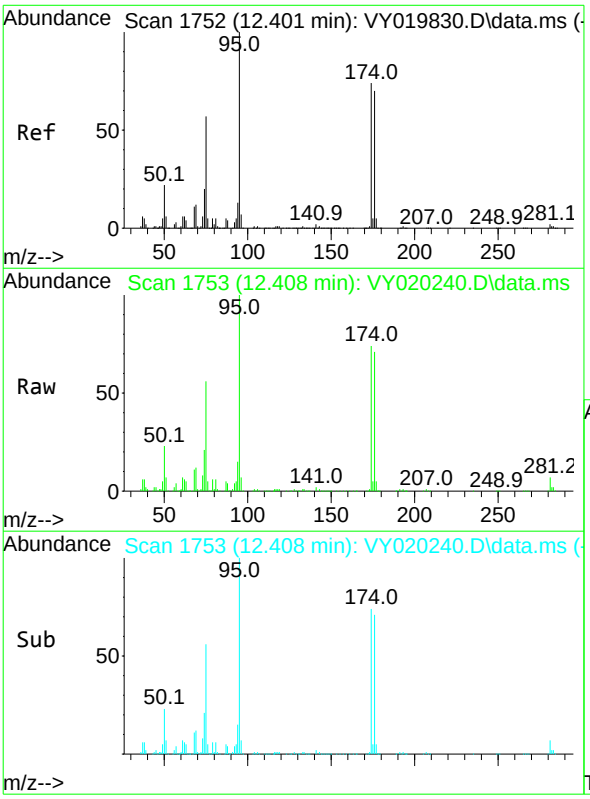
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

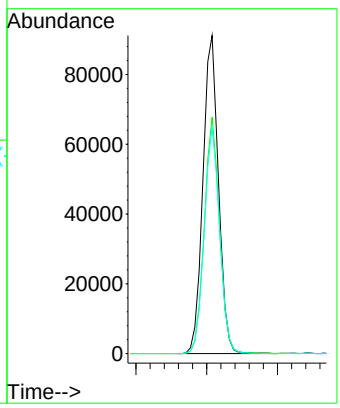


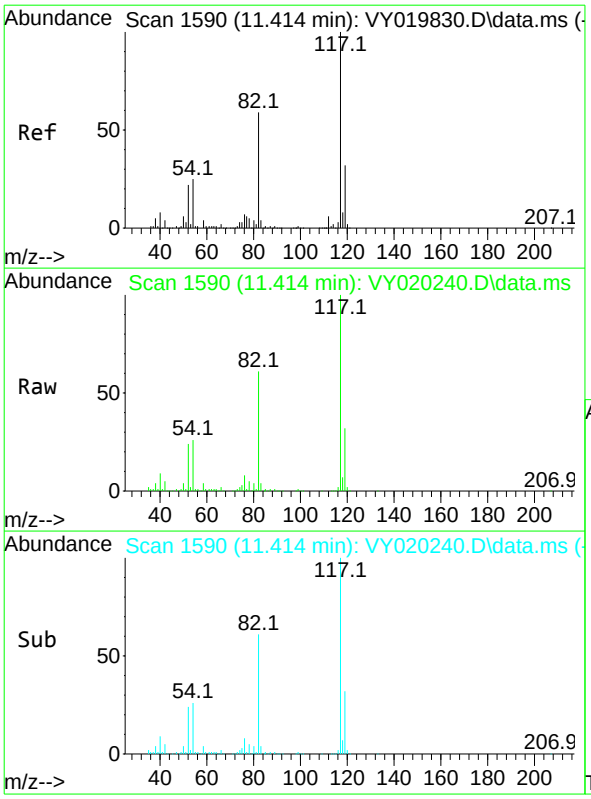


#62
4-Bromofluorobenzene
Concen: 40.035 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion: 95 Resp: 139172

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	175.6
176	70.4	0.0	171.4

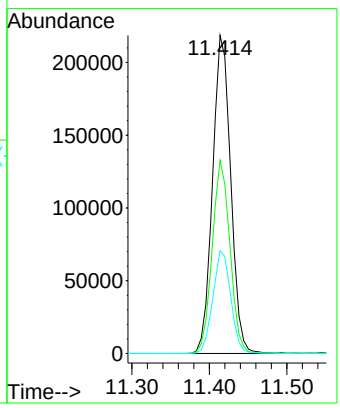




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion:117 Resp: 356582

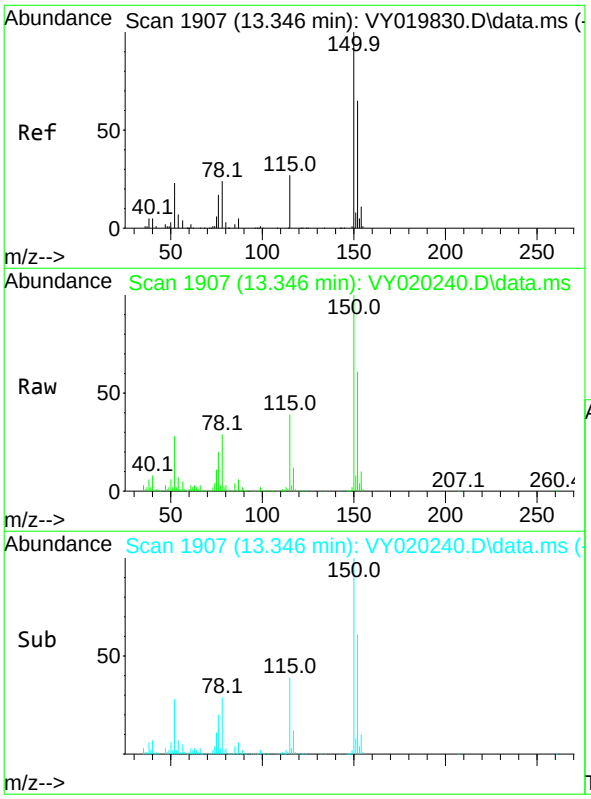
Ion	Ratio	Lower	Upper
117	100		
82	60.7	42.4	63.6
119	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Manual Integrations
APPROVED

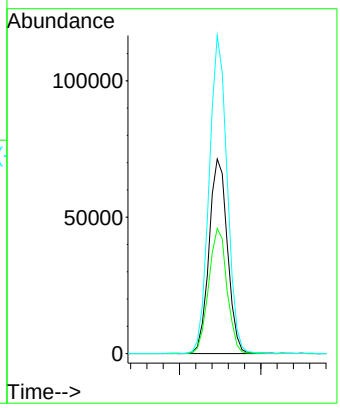
Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020240.D
Acq: 11 Nov 2024 11:39

Tgt Ion:152 Resp: 111959

Ion	Ratio	Lower	Upper
152	100		
115	63.8	28.2	84.7
150	159.5	0.0	345.6



Sample Results: **VY020240.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

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\82Y103024S.M
Title : SW846 8260

Signal : TIC: VY020240.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.884	836	847	859	rBV	24768	77596	5.50%	1.098%
2	7.634	960	970	976	rBV	182127	436067	30.90%	6.171%
3	7.707	976	982	994	rVB	302945	704461	49.92%	9.969%
4	8.061	1027	1040	1051	rBV2	159204	407735	28.89%	5.770%
5	8.616	1121	1131	1142	rBV	520755	1050315	74.43%	14.863%
6	10.103	1367	1375	1383	rBV	814169	1411143	100.00%	19.969%
7	10.505	1434	1441	1450	rBV2	69315	127269	9.02%	1.801%
8	10.877	1495	1502	1513	rVB2	17332	33357	2.36%	0.472%
9	11.243	1557	1562	1569	rVB4	10198	18901	1.34%	0.267%
10	11.414	1583	1590	1605	rBV	732906	1190373	84.36%	16.845%
11	12.408	1746	1753	1762	rBV2	498902	805978	57.12%	11.406%
12	13.346	1901	1907	1915	rVB	505019	786146	55.71%	11.125%
13	13.883	1991	1995	2004	rVB	9660	17157	1.22%	0.243%

Sum of corrected areas: 7066498

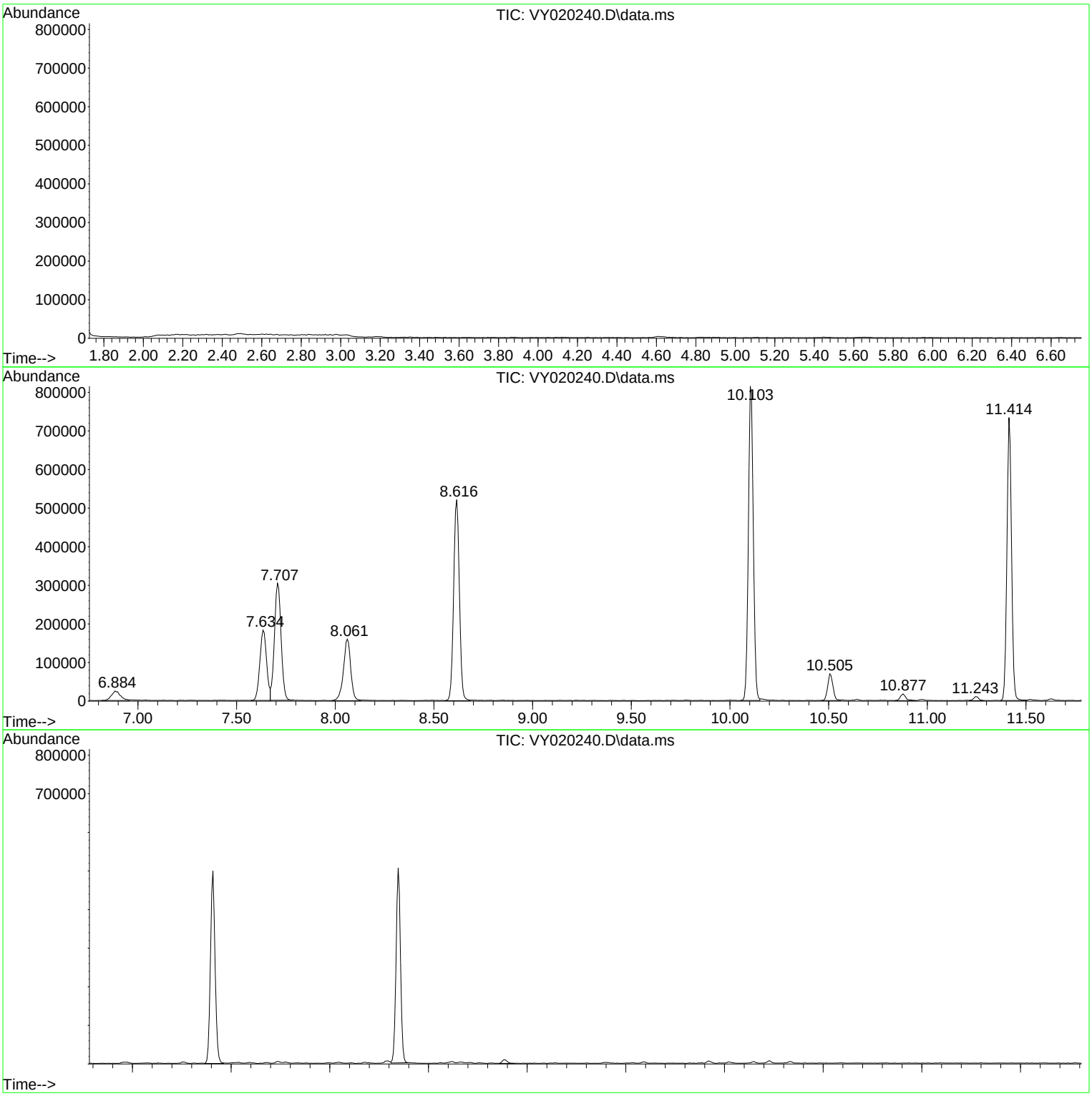
Sample Results: **VY020240.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020240.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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\VY111124\
Data File : VY020240.D
Acq On : 11 Nov 2024 11:39
Operator : SY/MD
Sample : VY1111SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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: **VY020241.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBS01	SDG No.:	P4768
Lab Sample ID:	VY1111SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020241.D	1		11/11/24 12:16	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	22.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	24.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	23.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.4		0.78	5.00	ug/Kg
67-64-1	Acetone	88.8		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.2		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	93.2		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	5.00	ug/Kg
71-43-2	Benzene	20.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.3		4.40	25.0	ug/Kg
108-88-3	Toluene	20.3		0.67	5.00	ug/Kg

Raw Data: **VY020241.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBS01	SDG No.:	P4768
Lab Sample ID:	VY1111SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020241.D	1		11/11/24 12:16	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	95.2		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.70	5.00	ug/Kg
100-42-5	Styrene	21.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		50 - 163	105%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	52.1		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		29 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	389000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.346			

Raw Data: **VY020241.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBS01	SDG No.:	P4768
Lab Sample ID:	VY1111SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020241.D	1		11/11/24 12:16	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VY020241.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020241.D
Acq On : 11 Nov 2024 12:16
Operator : SY/MD
Sample : VY1111SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 23:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	253989	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	455957	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389005	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179570	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	165863	52.324 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.640%		
35) Dibromofluoromethane	7.634	113	154900	53.433 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.860%		
50) Toluene-d8	10.109	98	600816	52.067 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.140%		
62) 4-Bromofluorobenzene	12.408	95	199524	53.234 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.460%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	38187	16.242 ug/l	100
3) Chloromethane	2.068	50	85843	22.043 ug/l	100
4) Vinyl Chloride	2.202	62	90862	21.733 ug/l	100
5) Bromomethane	2.598	94	69236	24.943 ug/l	96
6) Chloroethane	2.732	64	64277	23.823 ug/l	95
7) Trichlorofluoromethane	3.050	101	115870	22.687 ug/l	91
8) Diethyl Ether	3.452	74	29326	20.587 ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.818	101	59545	20.786 ug/l	91
10) Methyl Iodide	4.007	142	53732	19.428 ug/l #	88
11) Tert butyl alcohol	4.897	59	19854	87.073 ug/l #	96
12) 1,1-Dichloroethene	3.787	96	53053	19.356 ug/l #	81
13) Acrolein	3.653	56	20217	71.226 ug/l	97
14) Allyl chloride	4.385	41	96155	19.445 ug/l #	88
15) Acrylonitrile	5.067	53	61926	95.502 ug/l #	88
16) Acetone	3.885	43	65485	88.831 ug/l #	86
17) Carbon Disulfide	4.104	76	157124	17.226 ug/l	99
18) Methyl Acetate	4.397	43	33223	19.208 ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	142049	20.600 ug/l	97
20) Methylene Chloride	4.610	84	60665	18.319 ug/l #	86
21) trans-1,2-Dichloroethene	5.116	96	61553	19.913 ug/l	85
22) Diisopropyl ether	6.019	45	209720	20.437 ug/l	90
23) Vinyl Acetate	5.964	43	564731	97.788 ug/l #	92
24) 1,1-Dichloroethane	5.915	63	120722	20.317 ug/l	94
25) 2-Butanone	6.902	43	93133	93.199 ug/l #	82
26) 2,2-Dichloropropane	6.884	77	104436	21.124 ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	72082	20.286 ug/l	82
28) Bromochloromethane	7.250	49	51776	18.609 ug/l #	73
29) Tetrahydrofuran	7.268	42	54029	93.688 ug/l #	83
30) Chloroform	7.421	83	122990	20.858 ug/l	95
31) Cyclohexane	7.701	56	107127	18.622 ug/l	87
32) 1,1,1-Trichloroethane	7.616	97	109910	21.350 ug/l	95
36) 1,1-Dichloropropene	7.835	75	87511	19.541 ug/l	95
37) Ethyl Acetate	6.988	43	38623	18.090 ug/l	96
38) Carbon Tetrachloride	7.817	117	90560	20.110 ug/l	91
39) Methylcyclohexane	9.109	83	107324	18.883 ug/l	88
40) Benzene	8.079	78	266254	20.370 ug/l	99

Sample Results: **VY020241.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020241.D
Acq On : 11 Nov 2024 12:16
Operator : SY/MD
Sample : VY1111SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 23:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	23399	21.878 ug/l #	81
42) 1,2-Dichloroethane	8.158	62	73765	20.388 ug/l	94
43) Isopropyl Acetate	8.195	43	79549	19.375 ug/l #	78
44) Trichloroethene	8.866	130	61471	20.291 ug/l	81
45) 1,2-Dichloropropane	9.140	63	64220	20.535 ug/l	99
46) Dibromomethane	9.231	93	34002	20.066 ug/l	89
47) Bromodichloromethane	9.426	83	91687	20.654 ug/l #	99
48) Methyl methacrylate	9.225	41	36189	19.029 ug/l #	82
49) 1,4-Dioxane	9.244	88	6267	359.225 ug/l #	65
51) 4-Methyl-2-Pentanone	9.999	43	201703	95.344 ug/l	89
52) Toluene	10.170	92	163562	20.300 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	79067	20.170 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	97807	20.904 ug/l #	83
55) 1,1,2-Trichloroethane	10.573	97	44581	21.160 ug/l	98
56) Ethyl methacrylate	10.438	69	59914	19.824 ug/l #	75
57) 1,3-Dichloropropane	10.713	76	78482	20.341 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	128400	86.147 ug/l	93
59) 2-Hexanone	10.762	43	144436	95.232 ug/l	85
60) Dibromochloromethane	10.908	129	55415	20.634 ug/l	100
61) 1,2-Dibromoethane	11.012	107	38944	19.895 ug/l	98
64) Tetrachloroethene	10.646	164	55581	21.640 ug/l	93
65) Chlorobenzene	11.444	112	171415	20.680 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	55907	21.111 ug/l	98
67) Ethyl Benzene	11.518	91	319818	20.641 ug/l	98
68) m/p-Xylenes	11.627	106	240043	42.344 ug/l	95
69) o-Xylene	11.956	106	112695	20.997 ug/l	94
70) Styrene	11.969	104	185921	20.951 ug/l	95
71) Bromoform	12.133	173	28760	21.169 ug/l #	94
73) Isopropylbenzene	12.255	105	305375	21.288 ug/l	98
74) N-amyl acetate	12.072	43	68021	18.969 ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	50627	20.180 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	37838m	22.479 ug/l	
77) Bromobenzene	12.530	156	60967	21.015 ug/l	84
78) n-propylbenzene	12.597	91	378368	21.193 ug/l	96
79) 2-Chlorotoluene	12.682	91	210799	21.271 ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	240929	20.920 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	15315	19.570 ug/l #	78
82) 4-Chlorotoluene	12.779	91	213795	21.159 ug/l	94
83) tert-Butylbenzene	12.999	119	216820	21.530 ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	238577	20.915 ug/l	96
85) sec-Butylbenzene	13.176	105	321940	20.824 ug/l	97
86) p-Isopropyltoluene	13.292	119	259341	20.905 ug/l	95
87) 1,3-Dichlorobenzene	13.292	146	121202	20.565 ug/l	96
88) 1,4-Dichlorobenzene	13.371	146	120603	20.549 ug/l	96
89) n-Butylbenzene	13.621	91	258936	20.821 ug/l	96
90) Hexachloroethane	13.883	117	49679	20.248 ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	108544	21.188 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7546	19.833 ug/l	71
93) 1,2,4-Trichlorobenzene	14.925	180	52673	19.140 ug/l	97
94) Hexachlorobutadiene	15.023	225	30539	20.294 ug/l	99
95) Naphthalene	15.145	128	94547	18.379 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	43712	18.712 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020241.D
Acq On : 11 Nov 2024 12:16
Operator : SY/MD
Sample : VY1111SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 23:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

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

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

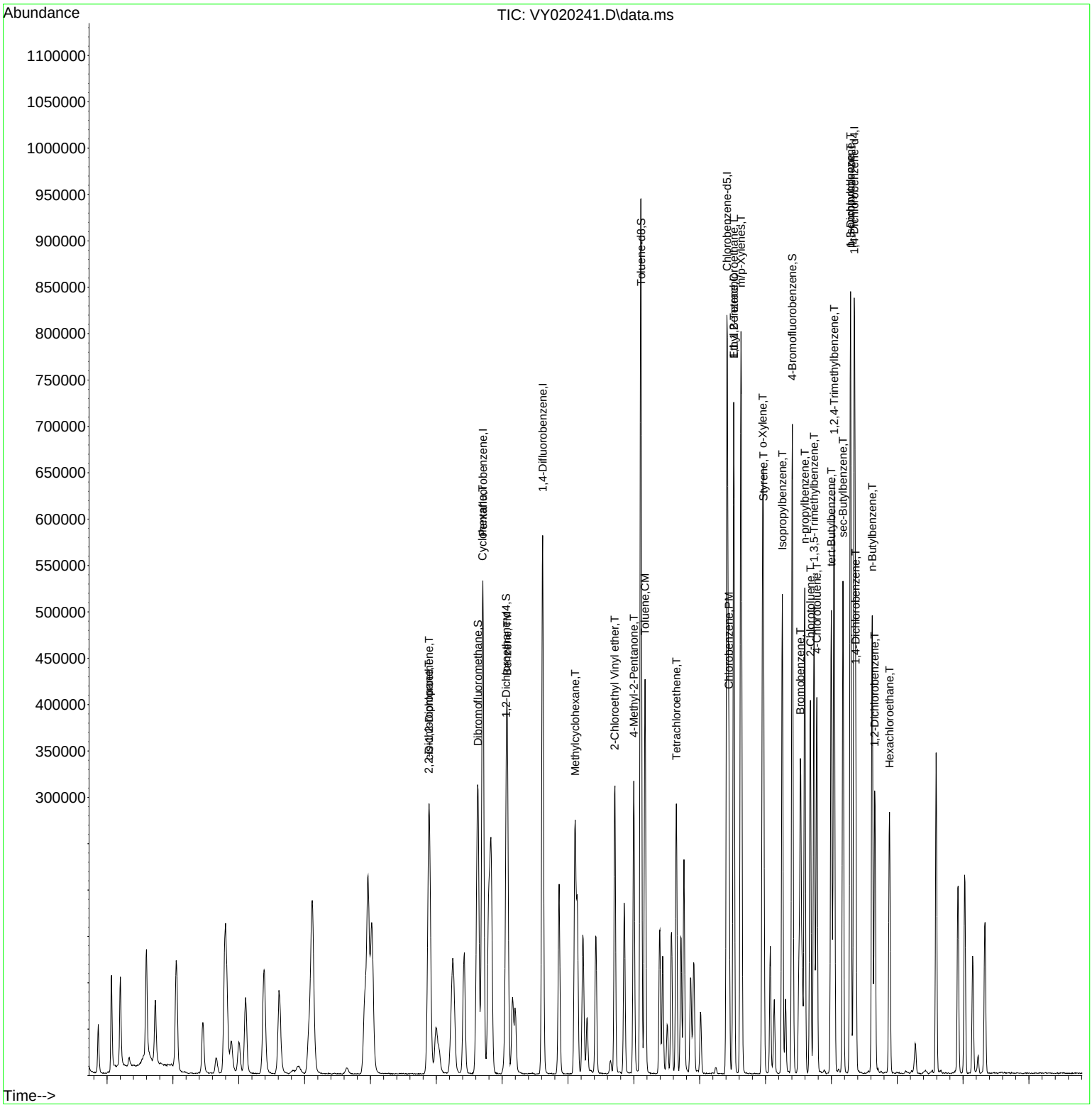
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020241.D
Acq On : 11 Nov 2024 12:16
Operator : SY/MD
Sample : VY1111SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 11 23:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024



Raw Data: **VY020242.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBSD01	SDG No.:	P4768
Lab Sample ID:	VY1111SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020242.D	1		11/11/24 12:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

Raw Data: **VY020242.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBSD01	SDG No.:	P4768
Lab Sample ID:	VY1111SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020242.D	1		11/11/24 12:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.8		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.8		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.70	5.00	ug/Kg
100-42-5	Styrene	20.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	22.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		50 - 163	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	50.2		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		29 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242000	7.713			
540-36-3	1,4-Difluorobenzene	440000	8.616			
3114-55-4	Chlorobenzene-d5	383000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	176000	13.346			

Raw Data: **VY020242.D**

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	Trenton Youth Wrestling	Date Received:	
Client Sample ID:	VY1111SBSD01	SDG No.:	P4768
Lab Sample ID:	VY1111SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020242.D	1		11/11/24 12:38	VY111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VY020242.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020242.D
Acq On : 11 Nov 2024 12:38
Operator : SY/MD
Sample : VY1111SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 23:13:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	241513	50.000	ug/l	#	0.00
34) 1,4-Difluorobenzene	8.616	114	439980	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	382582	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176083	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	161135	53.458	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.920%				
35) Dibromofluoromethane	7.634	113	145848	52.138	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.280%				
50) Toluene-d8	10.109	98	559481	50.246	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.500%				
62) 4-Bromofluorobenzene	12.408	95	187901	51.953	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	42653	19.079	ug/l		96
3) Chloromethane	2.068	50	71145	19.212	ug/l		96
4) Vinyl Chloride	2.208	62	78114	19.649	ug/l		93
5) Bromomethane	2.592	94	56190	21.289	ug/l		99
6) Chloroethane	2.739	64	53943	21.025	ug/l		97
7) Trichlorofluoromethane	3.062	101	101581	20.917	ug/l		97
8) Diethyl Ether	3.458	74	29434	21.730	ug/l		79
9) 1,1,2-Trichlorotrifluo...	3.818	101	57530	21.120	ug/l		91
10) Methyl Iodide	4.007	142	55605	21.144	ug/l		91
11) Tert butyl alcohol	4.854	59	22284	102.779	ug/l	#	96
12) 1,1-Dichloroethene	3.793	96	54257	20.818	ug/l	#	81
13) Acrolein	3.647	56	20735	76.824	ug/l		93
14) Allyl chloride	4.385	41	95861	20.387	ug/l	#	90
15) Acrylonitrile	5.055	53	67324	109.191	ug/l		98
16) Acetone	3.872	43	76172	108.666	ug/l	#	84
17) Carbon Disulfide	4.110	76	154334	17.794	ug/l		97
18) Methyl Acetate	4.391	43	35296	21.461	ug/l		90
19) Methyl tert-butyl Ether	5.122	73	146441	22.334	ug/l		99
20) Methylene Chloride	4.622	84	59441	18.877	ug/l		88
21) trans-1,2-Dichloroethene	5.122	96	59568	20.266	ug/l		90
22) Diisopropyl ether	6.018	45	207302	21.245	ug/l	#	88
23) Vinyl Acetate	5.964	43	577443	105.154	ug/l	#	92
24) 1,1-Dichloroethane	5.915	63	117152	20.734	ug/l		95
25) 2-Butanone	6.896	43	101508	106.828	ug/l	#	84
26) 2,2-Dichloropropane	6.890	77	98392	20.930	ug/l		97
27) cis-1,2-Dichloroethene	6.896	96	70302	20.807	ug/l		82
28) Bromochloromethane	7.244	49	53185	20.103	ug/l	#	72
29) Tetrahydrofuran	7.268	42	59023	107.634	ug/l	#	82
30) Chloroform	7.421	83	120717	21.531	ug/l		97
31) Cyclohexane	7.707	56	101984	18.644	ug/l		93
32) 1,1,1-Trichloroethane	7.616	97	105475	21.547	ug/l		94
36) 1,1-Dichloropropene	7.835	75	82926	19.190	ug/l		95
37) Ethyl Acetate	6.994	43	42381	20.571	ug/l		97
38) Carbon Tetrachloride	7.817	117	88278	20.315	ug/l		95
39) Methylcyclohexane	9.109	83	101873	18.575	ug/l	#	87
40) Benzene	8.079	78	255925	20.290	ug/l		96

Sample Results: **VY020242.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020242.D
Acq On : 11 Nov 2024 12:38
Operator : SY/MD
Sample : VY1111SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 23:13:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	20142	19.516	ug/l		93
42) 1,2-Dichloroethane	8.158	62	74858	21.441	ug/l		94
43) Isopropyl Acetate	8.201	43	81921	20.678	ug/l	#	91
44) Trichloroethene	8.865	130	60113	20.563	ug/l		85
45) 1,2-Dichloropropane	9.140	63	63700	21.109	ug/l		95
46) Dibromomethane	9.231	93	34267	20.957	ug/l		90
47) Bromodichloromethane	9.426	83	91653	21.396	ug/l		95
48) Methyl methacrylate	9.219	41	39748	21.660	ug/l	#	82
49) 1,4-Dioxane	9.231	88	7353	436.780	ug/l	#	70
51) 4-Methyl-2-Pentanone	9.999	43	219654	107.600	ug/l		87
52) Toluene	10.170	92	158349	20.366	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	78530	20.761	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	93951	20.809	ug/l	#	82
55) 1,1,2-Trichloroethane	10.572	97	44421	21.849	ug/l		95
56) Ethyl methacrylate	10.438	69	62967	21.591	ug/l	#	75
57) 1,3-Dichloropropane	10.719	76	79535	21.363	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	151392	105.262	ug/l		93
59) 2-Hexanone	10.761	43	156126	106.678	ug/l		86
60) Dibromochloromethane	10.908	129	56524	21.811	ug/l		99
61) 1,2-Dibromoethane	11.011	107	41567	22.007	ug/l		94
64) Tetrachloroethene	10.646	164	54248	21.475	ug/l		93
65) Chlorobenzene	11.438	112	168588	20.681	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	56463	21.679	ug/l		98
67) Ethyl Benzene	11.517	91	304891	20.008	ug/l		98
68) m/p-Xylenes	11.627	106	228007	40.896	ug/l		93
69) o-Xylene	11.956	106	106954	20.262	ug/l		90
70) Styrene	11.969	104	179597	20.578	ug/l		95
71) Bromoform	12.127	173	29464	22.052	ug/l	#	93
73) Isopropylbenzene	12.255	105	288342	20.499	ug/l		98
74) N-amyl acetate	12.072	43	72961	20.750	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	51290	20.849	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	36107m	21.875	ug/l		
77) Bromobenzene	12.529	156	59129	20.785	ug/l		84
78) n-propylbenzene	12.597	91	354720	20.262	ug/l		96
79) 2-Chlorotoluene	12.676	91	203629	20.955	ug/l		92
80) 1,3,5-Trimethylbenzene	12.737	105	233908	20.713	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.304	75	15543	20.255	ug/l	#	85
82) 4-Chlorotoluene	12.779	91	206033	20.794	ug/l		94
83) tert-Butylbenzene	12.999	119	207955	21.059	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	233535	20.879	ug/l		94
85) sec-Butylbenzene	13.176	105	309759	20.433	ug/l		97
86) p-Isopropyltoluene	13.291	119	244436	20.093	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	120274	20.812	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	120002	20.851	ug/l		94
89) n-Butylbenzene	13.615	91	242745	19.906	ug/l		98
90) Hexachloroethane	13.877	117	49472	20.563	ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	107823	21.464	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8082	21.663	ug/l		72
93) 1,2,4-Trichlorobenzene	14.925	180	53906	19.976	ug/l		96
94) Hexachlorobutadiene	15.023	225	28889	19.578	ug/l		99
95) Naphthalene	15.145	128	101865	20.194	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	45884	20.031	ug/l		98

Sample Results: **VY020242.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020242.D
Acq On : 11 Nov 2024 12:38
Operator : SY/MD
Sample : VY1111SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 23:13:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024

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

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

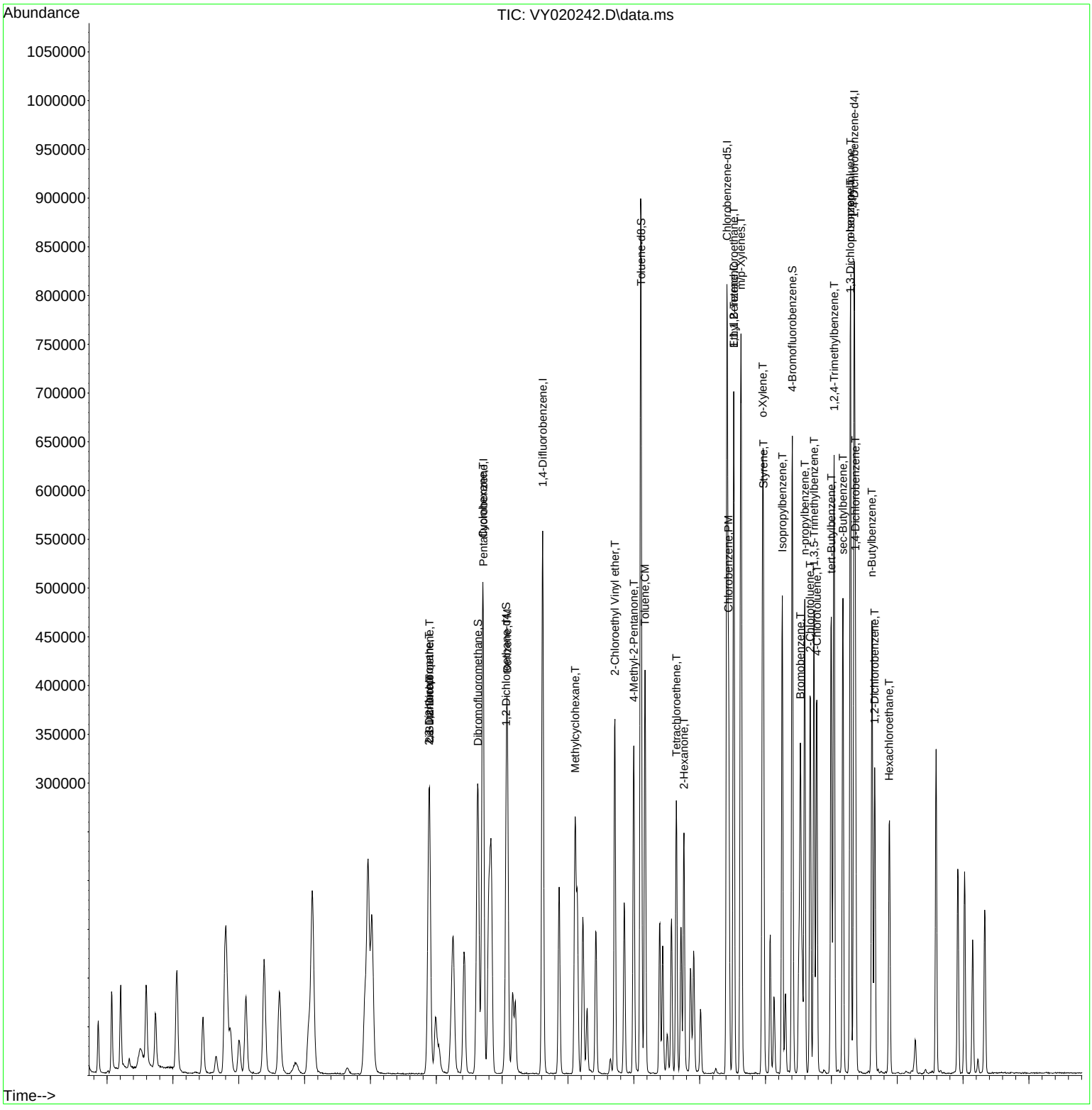
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111124\
Data File : VY020242.D
Acq On : 11 Nov 2024 12:38
Operator : SY/MD
Sample : VY1111SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 11 23:13:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1111SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/12/2024
Supervised By :Semsettin Yesilyurt 11/12/2024



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

Manual Integration Report

Sequence:	VY103024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020075.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC005	VY020075.D	Ethyl Acetate	Romaben	11/1/2024 11:41:29 AM	MMDadoda	11/1/2024 5:33:21 PM	Peak Integrated by Software
VSTDICC010	VY020076.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:41:32 AM	MMDadoda	11/1/2024 5:33:22 PM	Peak Integrated by Software
VSTDICC020	VY020077.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:16 AM	MMDadoda	11/1/2024 5:33:23 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICCC050	VY020078.D	Methacrylonitrile	Romaben	11/1/2024 11:42:03 AM	MMDadoda	11/1/2024 5:33:25 PM	Peak Integrated by Software
VSTDICC100	VY020079.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:20 AM	MMDadoda	11/1/2024 5:33:26 PM	Peak Integrated by Software
VSTDICC150	VY020080.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:07 AM	MMDadoda	11/1/2024 5:33:28 PM	Peak Integrated by Software
VSTDICV050	VY020082.D	1,2,3-Trichloropropane	Romaben	11/1/2024 11:42:10 AM	MMDadoda	11/1/2024 5:33:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY111124	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020239.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:18 PM	SAM	11/12/2024 2:47:47 PM	Peak Integrated by Software
VY1111SBL01	VY020240.D	1,4-Dichlorobenzene	MMDadoda	11/12/2024 2:46:19 PM	SAM	11/12/2024 2:47:48 PM	Peak Integrated by Software
VY1111SBS01	VY020241.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:20 PM	SAM	11/12/2024 2:47:50 PM	Peak Integrated by Software
VY1111SBSD01	VY020242.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:21 PM	SAM	11/12/2024 2:47:51 PM	Peak Integrated by Software
VSTDCCC050	VY020260.D	1,2,3-Trichloropropane	MMDadoda	11/12/2024 2:46:23 PM	SAM	11/12/2024 2:47:52 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:33:31 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM		
SubDirectory	VY103024	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131199
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206
CCC	
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131207
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020074.D	30 Oct 2024 12:07	SY/MD	Ok
2	VSTDICC005	VY020075.D	30 Oct 2024 12:39	SY/MD	Ok,M
3	VSTDICC010	VY020076.D	30 Oct 2024 13:02	SY/MD	Ok,M
4	VSTDICC020	VY020077.D	30 Oct 2024 13:24	SY/MD	Ok,M
5	VSTDICCC050	VY020078.D	30 Oct 2024 14:06	SY/MD	Ok,M
6	VSTDICC100	VY020079.D	30 Oct 2024 14:29	SY/MD	Ok,M
7	VSTDICC150	VY020080.D	30 Oct 2024 14:52	SY/MD	Ok,M
8	VIBLK	VY020081.D	30 Oct 2024 15:15	SY/MD	Ok
9	VSTDICV050	VY020082.D	30 Oct 2024 15:47	SY/MD	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM				
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131373
Initial Calibration Stds	
CCC	VP131374,VP131375
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020238.D	11 Nov 2024 09:30	SY/MD	Ok
2	VSTDCCC050	VY020239.D	11 Nov 2024 11:11	SY/MD	Ok,M
3	VY1111SBL01	VY020240.D	11 Nov 2024 11:39	SY/MD	Ok,M
4	VY1111SBS01	VY020241.D	11 Nov 2024 12:16	SY/MD	Ok,M
5	VY1111SBSD01	VY020242.D	11 Nov 2024 12:38	SY/MD	Ok,M
6	P4768-01	VY020243.D	11 Nov 2024 13:15	SY/MD	Ok
7	P4768-02	VY020244.D	11 Nov 2024 13:38	SY/MD	Ok
8	P4768-03	VY020245.D	11 Nov 2024 14:02	SY/MD	Ok
9	P4768-04	VY020246.D	11 Nov 2024 14:25	SY/MD	Ok
10	P4768-05	VY020247.D	11 Nov 2024 14:49	SY/MD	Ok
11	P4768-06	VY020248.D	11 Nov 2024 15:12	SY/MD	Ok
12	P4768-07	VY020249.D	11 Nov 2024 15:35	SY/MD	Ok
13	P4795-01	VY020250.D	11 Nov 2024 15:59	SY/MD	Ok
14	P4788-03	VY020251.D	11 Nov 2024 16:22	SY/MD	Ok
15	P4789-03	VY020252.D	11 Nov 2024 16:46	SY/MD	Ok
16	P4779-01	VY020253.D	11 Nov 2024 17:09	SY/MD	ReRun
17	P4798-03	VY020254.D	11 Nov 2024 17:32	SY/MD	Ok
18	P4796-01	VY020255.D	11 Nov 2024 17:56	SY/MD	Ok
19	P4796-05	VY020256.D	11 Nov 2024 18:19	SY/MD	Ok
20	P4796-07	VY020257.D	11 Nov 2024 18:43	SY/MD	Ok
21	P4796-03	VY020258.D	11 Nov 2024 19:06	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM				
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131373
Initial Calibration Stds	
CCC	VP131374,VP131375
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4809-03	VY020259.D	11 Nov 2024 19:30	SY/MD	Ok
23	VSTDCCC050	VY020260.D	11 Nov 2024 19:52	SY/MD	Ok,M

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 # VY103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:33:31 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:33:47 PM		
SubDirectory	VY103024	HP Acquire Method		HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131199
Initial Calibration Stds	VP131200,VP131201,VP131203,VP131204,VP131205,VP131206
CCC	
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131207
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020074.D	30 Oct 2024 12:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020075.D	30 Oct 2024 12:39	Method pass	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020076.D	30 Oct 2024 13:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020077.D	30 Oct 2024 13:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020078.D	30 Oct 2024 14:06		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020079.D	30 Oct 2024 14:29		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020080.D	30 Oct 2024 14:52		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020081.D	30 Oct 2024 15:15		SY/MD	Ok
9	VSTDICV050	ICVVY103024	VY020082.D	30 Oct 2024 15:47	fail icv	SY/MD	Not 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 # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM		
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131373
Initial Calibration Stds	
CCC	VP131374,VP131375
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020238.D	11 Nov 2024 09:30		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020239.D	11 Nov 2024 11:11		SY/MD	Ok,M
3	VY1111SBL01	VY1111SBL01	VY020240.D	11 Nov 2024 11:39		SY/MD	Ok,M
4	VY1111SBS01	VY1111SBS01	VY020241.D	11 Nov 2024 12:16		SY/MD	Ok,M
5	VY1111SBSD01	VY1111SBSD01	VY020242.D	11 Nov 2024 12:38		SY/MD	Ok,M
6	P4768-01	B-3-1	VY020243.D	11 Nov 2024 13:15		SY/MD	Ok
7	P4768-02	B-3-2	VY020244.D	11 Nov 2024 13:38		SY/MD	Ok
8	P4768-03	B-3-3	VY020245.D	11 Nov 2024 14:02		SY/MD	Ok
9	P4768-04	B-4	VY020246.D	11 Nov 2024 14:25		SY/MD	Ok
10	P4768-05	B-5	VY020247.D	11 Nov 2024 14:49		SY/MD	Ok
11	P4768-06	B-6-2	VY020248.D	11 Nov 2024 15:12		SY/MD	Ok
12	P4768-07	B-6-3	VY020249.D	11 Nov 2024 15:35		SY/MD	Ok
13	P4795-01	LAW-23-00189	VY020250.D	11 Nov 2024 15:59		SY/MD	Ok
14	P4788-03	BP-G3-VOC	VY020251.D	11 Nov 2024 16:22		SY/MD	Ok
15	P4789-03	BP-F21-VOC	VY020252.D	11 Nov 2024 16:46		SY/MD	Ok
16	P4779-01	SOIL-01	VY020253.D	11 Nov 2024 17:09	Surrogate Fail	SY/MD	ReRun
17	P4798-03	MH-6-VOC	VY020254.D	11 Nov 2024 17:32		SY/MD	Ok
18	P4796-01	TP-1	VY020255.D	11 Nov 2024 17:56		SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111124

Review By	Mahesh Dadoda	Review On	11/12/2024 2:46:24 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/12/2024 2:47:56 PM		
SubDirectory	VY111124	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103024s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131373
Initial Calibration Stds	
CCC	VP131374,VP131375
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4796-05	TP-3	VY020256.D	11 Nov 2024 18:19		SY/MD	Ok
20	P4796-07	TP-4	VY020257.D	11 Nov 2024 18:43		SY/MD	Ok
21	P4796-03	TP-2	VY020258.D	11 Nov 2024 19:06		SY/MD	Ok
22	P4809-03	MH-5-VOC	VY020259.D	11 Nov 2024 19:30		SY/MD	Ok
23	VSTDCCC050	VSTDCCC050EC	VY020260.D	11 Nov 2024 19:52		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/8/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/08/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133343

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
P4756-01	BP-B4	1	1.15	8.77	9.92	8.94	88.8	
P4756-02	BP-B4-EPH	2	1.19	8.52	9.71	8.69	88.0	
P4756-03	BP-B4-VOC	3	1.19	8.72	9.91	8.93	88.8	
P4768-01	B-3-1	4	1.16	8.50	9.66	9.17	94.2	
P4768-02	B-3-2	5	1.16	8.62	9.78	9.36	95.1	
P4768-03	B-3-3	6	1.19	8.55	9.74	9.04	91.8	
P4768-04	B-4	7	1.18	8.45	9.63	9.22	95.1	
P4768-05	B-5	8	1.19	8.53	9.72	8.87	90.0	
P4768-06	B-6-2	9	1.15	8.43	9.58	9.1	94.3	
P4768-07	B-6-3	10	1.19	8.44	9.63	9.24	95.4	
P4769-01	PIPE-1	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-02	PIPE-2	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-03	PIPE-3	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-04	PIPE-4	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4769-05	PIPE-5	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4776-03	MDL-SOIL-QT4-2024-07	16	1.00	1.00	2.00	2.00	100.0	
P4776-04	MDL-SOIL-QT4-2024-08	17	1.00	1.00	2.00	2.00	100.0	
P4776-05	MDL-MED-SOIL-QT4-2024-07	18	1.00	1.00	2.00	2.00	100.0	
P4776-06	MDL-MED-SOIL-QT4-2024-08	19	1.00	1.00	2.00	2.00	100.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 133343

WorkList Name : %1-110724 **WorkList ID :** 185187 **Department :** Wet-Chemistry **Date :** 11-07-2024 07:54:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4756-01	BP-B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4756-02	BP-B4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4756-03	BP-B4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/07/2024	Chemtech -SO
P4768-01	B-3-1	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-02	B-3-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-03	B-3-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-04	B-4	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-05	B-5	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-06	B-6-2	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4768-07	B-6-3	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4769-01	PIPE-1	Solid	Percent Solids	Cool 4 deg C	JPCL01	L23	11/07/2024	Chemtech -SO
P4769-02	PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-03	PIPE-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-04	PIPE-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4769-05	PIPE-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4776-03	MDL-SOIL-QT4-2024-07	Solid	Percent Solids	Cool 4 deg C	PSEG03	K11	11/07/2024	Chemtech -SO
P4776-04	MDL-SOIL-QT4-2024-08	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-05	MDL-MED-SOIL-QT4-2024-07	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO
P4776-06	MDL-MED-SOIL-QT4-2024-08	Solid	Percent Solids	Cool 4 deg C	CHEM02	QA Of	11/07/2024	Chemtech -SO

Date/Time 11/07/24 16:00

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11/07/24 17:15

Raw Sample Received by:

Raw Sample Relinquished by:

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. P4768
COC Number 2046207

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: IPCL Engineering
ADDRESS: 2 Clerico LN, Bldg 2
CITY Hillsborough STATE: NJ ZIP: 08844
ATTENTION: Paul Rotondi
PHONE: 609-203-3846 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: Trenton Youth Wrestling
PROJECT NO.: LOCATION: Trenton
PROJECT MANAGER: Paul Rotondi
e-mail: PRotondi@IPCLengineering.com
PHONE: 609-203-3846 FAX:

CLIENT BILLING INFORMATION

BILL TO: See Client PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- [X] Level 1 (Results Only)
- [ ] Level 2 (Results + QC)
- [ ] Level 3 (Results + QC + Raw Data)
- [ ] EDD FORMAT _____
- [ ] Level 4 (QC + Full Raw Data)
- [ ] NJ Reduced
- [ ] US EPA CLP
- [ ] NYS ASP A
- [ ] NYS ASP B
- [ ] Other _____

ANALYSIS

1. VOC +10
2. EPH
3. Metals
4. PCBs
5. SVOCs
6.
7.
8.
9.

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
1.	B-3 #1	Soil		X	11/7	9:49	4	3	1	1	1	1					
2.	B-3 #2			X	11/7	9:54	6	3	3	3	3	3					
3.	B-3 #3			X	11/7	10:01	6	3	3	3	3	3					
4.	B-4			X	11/7	9:07	5	3	2	2	2	2					
5.	B-5			X	11/7	9:26	5	3	2	2	2	2					
6.	B-6 #2			X	11/7	10:33	5	3	2	2	2	2					
7.	B-6 #3			X	11/7	10:36	5	3	2	2	2	2					
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. MA	11-7-24 1340	1. CR
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: [ ] COMPLIANT [ ] NON COMPLIANT [ ] COOLER TEMP 1.9 °C
Comments: NORMAL TAT
If Error #1

Page _____ of

CLIENT: [X] Hand Delivered [ ] Other

Shipment Complete [ ] YES [ ] NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

CHEMTECH 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4768 JPCL01
Client Name : JPCL Engineering
Client Contact : Paul Rotondi
Invoice Name : JPCL Engineering
Invoice Contact : Paul Rotondi

Order Date : 11/7/2024 1:45:00 PM
Project Name : Trenton Youth Wrestling
Receive DateTime : 11/7/2024 1:40:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 1
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/7/2024 3:37:57 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4768-01	B-3-1	Solid	11/07/2024	09:49					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4768-02	B-3-2	Solid	11/07/2024	09:54					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4768-03	B-3-3	Solid	11/07/2024	10:01					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4768-04	B-4	Solid	11/07/2024	09:07					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4768-05	B-5	Solid	11/07/2024	09:26					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4768-06	B-6-2	Solid	11/07/2024	10:33					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4768-07	B-6-3	Solid	11/07/2024	10:36					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4768 JPCL01	**Order Date :**	11/7/2024 1:45:00 PM	**Project Mgr :**	Yazmeen
Client Name :	JPCL Engineering	**Project Name :**	Trenton Youth Wrestling	**Report Type :**	Level 1
Client Contact :	Paul Rotondi	**Receive DateTime :**	11/7/2024 1:40:00 PM	**EDD Type :**	Excel NY
Invoice Name :	JPCL Engineering	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Paul Rotondi			**Date Signoff :**	11/7/2024 3:37:57 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 11/7/24 1615

Received By : Romer
Date / Time : 4:35 PM 11/07/24

Storage Area : VOA Refridgerator Room