



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

Hit Summary Sheet
SW-846

SDG No.: Q3399
Client: ICE Service Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
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Client ID: 0

Total Voc :
Total Concentration:

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J



SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: COMP-ROLLOFF
 Lab Sample ID: Q3399-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected: 10/20/25
 Date Received: 10/20/25
 SDG No.: Q3399
 Matrix: SOIL
 % Solid: 89.9
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	4.40	U	1	1.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
74-87-3	Chloromethane	2.80	U	1	1.30	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-01-4	Vinyl Chloride	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
74-83-9	Bromomethane	4.40	U	1	1.20	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
75-00-3	Chloroethane	2.80	U	1	1.40	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-69-4	Trichlorofluoromethane	4.40	U	1	1.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.80	U	1	1.20	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-35-4	1,1-Dichloroethene	2.80	U	1	1.10	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
67-64-1	Acetone	22.2	U	1	5.30	22.2	27.8	ug/Kg	10/21/25 14:59	VY102125
75-15-0	Carbon Disulfide	4.40	U	1	1.20	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
1634-04-4	Methyl tert-butyl Ether	2.80	U	1	0.81	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-20-9	Methyl Acetate	4.40	U	1	1.70	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
75-09-2	Methylene Chloride	8.90	U	1	3.90	8.90	11.1	ug/Kg	10/21/25 14:59	VY102125
156-60-5	trans-1,2-Dichloroethene	2.80	U	1	0.96	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-34-3	1,1-Dichloroethane	2.80	U	1	0.89	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
110-82-7	Cyclohexane	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
78-93-3	2-Butanone	22.2	U	1	7.30	22.2	27.8	ug/Kg	10/21/25 14:59	VY102125
56-23-5	Carbon Tetrachloride	2.80	U	1	1.10	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
156-59-2	cis-1,2-Dichloroethene	2.80	U	1	0.83	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
74-97-5	Bromochloromethane	4.40	U	1	1.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
67-66-3	Chloroform	4.40	U	1	0.93	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
71-55-6	1,1,1-Trichloroethane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
108-87-2	Methylcyclohexane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
71-43-2	Benzene	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
107-06-2	1,2-Dichloroethane	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-01-6	Trichloroethene	2.80	U	1	0.90	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
78-87-5	1,2-Dichloropropane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-27-4	Bromodichloromethane	2.80	U	1	0.87	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
108-10-1	4-Methyl-2-Pentanone	13.9	U	1	4.00	13.9	27.8	ug/Kg	10/21/25 14:59	VY102125
108-88-3	Toluene	2.80	U	1	0.87	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
10061-02-6	t-1,3-Dichloropropene	2.80	U	1	0.72	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
10061-01-5	cis-1,3-Dichloropropene	2.80	U	1	0.69	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-00-5	1,1,2-Trichloroethane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
591-78-6	2-Hexanone	13.9	U	1	4.10	13.9	27.8	ug/Kg	10/21/25 14:59	VY102125
124-48-1	Dibromochloromethane	2.80	U	1	0.97	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
106-93-4	1,2-Dibromoethane	2.80	U	1	0.98	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
127-18-4	Tetrachloroethene	2.80	U	1	1.20	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
108-90-7	Chlorobenzene	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
100-41-4	Ethyl Benzene	2.80	U	1	0.75	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
179601-23-1	m/p-Xylenes	5.60	U	1	1.40	5.60	11.1	ug/Kg	10/21/25 14:59	VY102125
95-47-6	o-Xylene	2.80	U	1	0.91	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
100-42-5	Styrene	2.80	U	1	0.79	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-25-2	Bromoform	2.80	U	1	0.96	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125



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Report of Analysis

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Client Sample ID: COMP-ROLLOFF
Lab Sample ID: Q3399-03
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3399
Matrix: SOIL
% Solid: 89.9
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.80	U	1	0.87	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	2.80	U	1	1.30	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
541-73-1	1,3-Dichlorobenzene	2.80	U	1	1.90	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
106-46-7	1,4-Dichlorobenzene	2.80	U	1	1.70	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
95-50-1	1,2-Dichlorobenzene	2.80	U	1	1.60	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	4.40	U	1	2.00	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
120-82-1	1,2,4-Trichlorobenzene	4.40	U	1	3.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
87-61-6	1,2,3-Trichlorobenzene	4.40	U	1	3.50	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.1			71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1			78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.4			85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8			79 - 119		86%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	803000
540-36-3	1,4-Difluorobenzene	1300000
3114-55-4	Chlorobenzene-d5	1100000
3855-82-1	1,4-Dichlorobenzene-d4	458000

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



QC SUMMARY

Surrogate Summary

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3399-03	COMP-ROLLOFF	1,2-Dichloroethane-d4	50	50.1	100		71	136
		Dibromofluoromethane	50	51.1	102		78	119
		Toluene-d8	50	49.4	99		85	116
		4-Bromofluorobenzene	50	42.8	86		79	119
VY1021SBL01	VY1021SBL01	1,2-Dichloroethane-d4	50	46.0	92		71	136
		Dibromofluoromethane	50	49.7	99		78	119
		Toluene-d8	50	48.1	96		85	116
		4-Bromofluorobenzene	50	36.4	73	*	79	119
VY1021SBS01	VY1021SBS01	1,2-Dichloroethane-d4	50	46.9	94		71	136
		Dibromofluoromethane	50	50.9	102		78	119
		Toluene-d8	50	51.3	103		85	116
		4-Bromofluorobenzene	50	49.9	100		79	119
VY1021SBSD01	VY1021SBSD01	1,2-Dichloroethane-d4	50	45.6	91		71	136
		Dibromofluoromethane	50	49.6	99		78	119
		Toluene-d8	50	49.7	99		85	116
		4-Bromofluorobenzene	50	47.6	95		79	119

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3399	SW-846	Analytical Method:	SW8260D
Client:	ICE Service Group, Inc.	Datafile :	VY023523.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1021SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			29	149	
	Chloromethane	20	19.5	ug/Kg	98			50	136	
	Vinyl chloride	20	20.2	ug/Kg	101			56	135	
	Bromomethane	20	21.5	ug/Kg	108			53	143	
	Chloroethane	20	21.2	ug/Kg	106			59	139	
	Trichlorofluoromethane	20	20.4	ug/Kg	102			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106			66	136	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			70	131	
	Acetone	100	120	ug/Kg	120			36	164	
	Carbon disulfide	20	20.2	ug/Kg	101			63	132	
	Methyl tert-butyl Ether	20	18.0	ug/Kg	90			73	125	
	Methyl Acetate	20	15.9	ug/Kg	79			53	144	
	Methylene Chloride	20	19.0	ug/Kg	95			70	128	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			74	125	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			76	125	
	Cyclohexane	20	18.8	ug/Kg	94			67	131	
	2-Butanone	100	100	ug/Kg	100			51	148	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			70	135	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			77	123	
	Bromochloromethane	20	19.7	ug/Kg	99			78	125	
	Chloroform	20	21.5	ug/Kg	108			78	123	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			73	130	
	Methylcyclohexane	20	19.8	ug/Kg	99			66	133	
	Benzene	20	21.6	ug/Kg	108			77	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			73	128	
	Trichloroethene	20	21.9	ug/Kg	110			77	123	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			76	123	
	Bromodichloromethane	20	21.3	ug/Kg	106			75	127	
	4-Methyl-2-Pentanone	100	86.7	ug/Kg	87			65	135	
	Toluene	20	21.9	ug/Kg	110			77	121	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			71	130	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			74	126	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			78	121	
	2-Hexanone	100	95.9	ug/Kg	96			53	145	
	Dibromochloromethane	20	20.8	ug/Kg	104			74	126	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			78	122	
	Tetrachloroethene	20	22.0	ug/Kg	110			73	128	
	Chlorobenzene	20	21.2	ug/Kg	106			79	120	
	Ethyl Benzene	20	21.0	ug/Kg	105			76	122	
	m/p-Xylenes	40	43.1	ug/Kg	108			77	124	
	o-Xylene	20	20.6	ug/Kg	103			77	123	
	Styrene	20	21.0	ug/Kg	105			76	124	
	Bromoform	20	19.5	ug/Kg	98			67	132	
	Isopropylbenzene	20	20.3	ug/Kg	102			68	134	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70	124	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			77	121	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			75	120	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			78	121	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

		SW-846	
SDG No.:	<u>Q3399</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VY023523.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1021SBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/Kg	85			61	132	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			67	129	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			66	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3399	SW-846	Analytical Method:	SW8260D
Client:	ICE Service Group, Inc.	Datafile :	VY023524.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1021SBSD01	Dichlorodifluoromethane	20	20.9	ug/Kg	104	2		29	149	20
	Chloromethane	20	19.3	ug/Kg	97	1		50	136	20
	Vinyl chloride	20	20.0	ug/Kg	100	1		56	135	20
	Bromomethane	20	20.7	ug/Kg	104	4		53	143	20
	Chloroethane	20	21.4	ug/Kg	107	1		59	139	20
	Trichlorofluoromethane	20	20.6	ug/Kg	103	1		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104	2		66	136	20
	1,1-Dichloroethene	20	20.6	ug/Kg	103	2		70	131	20
	Acetone	100	120	ug/Kg	120	0		36	164	20
	Carbon disulfide	20	19.7	ug/Kg	99	2		63	132	20
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91	1		73	125	20
	Methyl Acetate	20	15.6	ug/Kg	78	1		53	144	20
	Methylene Chloride	20	18.9	ug/Kg	95	0		70	128	20
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		74	125	20
	1,1-Dichloroethane	20	20.6	ug/Kg	103	0		76	125	20
	Cyclohexane	20	18.6	ug/Kg	93	1		67	131	20
	2-Butanone	100	100	ug/Kg	100	0		51	148	20
	Carbon Tetrachloride	20	21.0	ug/Kg	105	4		70	135	20
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103	1		77	123	20
	Bromochloromethane	20	19.6	ug/Kg	98	1		78	125	20
	Chloroform	20	21.0	ug/Kg	105	3		78	123	20
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104	2		73	130	20
	Methylcyclohexane	20	19.5	ug/Kg	98	1		66	133	20
	Benzene	20	21.6	ug/Kg	108	0		77	121	20
	1,2-Dichloroethane	20	20.0	ug/Kg	100	0		73	128	20
	Trichloroethene	20	21.2	ug/Kg	106	4		77	123	20
	1,2-Dichloropropane	20	20.7	ug/Kg	104	4		76	123	20
	Bromodichloromethane	20	21.2	ug/Kg	106	0		75	127	20
	4-Methyl-2-Pentanone	100	86.8	ug/Kg	87	0		65	135	20
	Toluene	20	21.4	ug/Kg	107	3		77	121	20
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98	2		71	130	20
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101	3		74	126	20
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101	4		78	121	20
	2-Hexanone	100	96.5	ug/Kg	97	1		53	145	20
	Dibromochloromethane	20	20.5	ug/Kg	103	1		74	126	20
	1,2-Dibromoethane	20	20.2	ug/Kg	101	0		78	122	20
	Tetrachloroethene	20	22.1	ug/Kg	111	1		73	128	20
	Chlorobenzene	20	21.2	ug/Kg	106	0		79	120	20
	Ethyl Benzene	20	20.8	ug/Kg	104	1		76	122	20
	m/p-Xylenes	40	42.7	ug/Kg	107	1		77	124	20
	o-Xylene	20	20.7	ug/Kg	104	1		77	123	20
	Styrene	20	20.5	ug/Kg	103	2		76	124	20
	Bromoform	20	19.6	ug/Kg	98	0		67	132	20
	Isopropylbenzene	20	20.3	ug/Kg	102	0		68	134	20
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94	3		70	124	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	0		77	121	20
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103	0		75	120	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	0		78	121	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3399</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>ICE Service Group, Inc.</u>	Datafile :	<u>VY023524.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY1021SBSD01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86	1		61	132	20
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96	6		67	129	20
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94	3		66	130	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1021SBL01

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VY023522.D

Lab Sample ID: VY1021SBL01

Date Analyzed: 10/21/2025

Time Analyzed: 09:34

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
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025
VY1021SBSD01	VY1021SBSD01	VY023524.D	10/21/2025
COMP-ROLLOFF	Q3399-03	VY023534.D	10/21/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VY023383.D

BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:43

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	16.9
75	30.0 - 60.0% of mass 95	48.1
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	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023384.D	10/07/2025	09:17
VSTDIC010	VSTDIC010	VY023385.D	10/07/2025	10:02
VSTDIC020	VSTDIC020	VY023386.D	10/07/2025	11:24
VSTDIC050	VSTDIC050	VY023387.D	10/07/2025	11:47
VSTDIC100	VSTDIC100	VY023388.D	10/07/2025	12:09
VSTDIC150	VSTDIC150	VY023389.D	10/07/2025	12:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: VY023520.D

BFB Injection Date: 10/21/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:29

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	16.5
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.5 (97.7) 1
177	5.0 - 9.0% of mass 176	6.2 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023521.D	10/21/2025	09:05
VY1021SBL01	VY1021SBL01	VY023522.D	10/21/2025	09:34
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025	10:04
VY1021SBSD01	VY1021SBSD01	VY023524.D	10/21/2025	10:27
COMP-ROLLOFF	Q3399-03	VY023534.D	10/21/2025	14:59

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02
Lab Code: ACE SDG NO.: Q3399
Lab File ID: VY023521.D Date Analyzed: 10/21/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:05
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	499961	7.71	698196	8.62	642915	11.42
UPPER LIMIT	999922	8.213	1396390	9.116	1285830	11.92
LOWER LIMIT	249981	7.213	349098	8.116	321458	10.92
EPA SAMPLE NO.						
COMP-ROLLOFF	803329	7.71	1303553	8.62	1099444	11.41
VY1021SBL01	767531	7.71	1271980	8.62	1000258	11.42
VY1021SBS01	494016	7.71	712868	8.62	635785	11.41
VY1021SBSD01	507725	7.71	737688	8.62	649036	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3399</u>
Lab File ID:	<u>VY023521.D</u>	Date Analyzed:	<u>10/21/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>09:05</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	341616	13.347				
UPPER LIMIT	683232	13.847				
LOWER LIMIT	170808	12.847				
EPA SAMPLE NO.						
COMP-ROLLOFF	457774	13.35				
VY1021SBL01	378610	13.35				
VY1021SBS01	341398	13.35				
VY1021SBSD01	345630	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.



QC SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: VY1021SBL01
 Lab Sample ID: VY1021SBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3399
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
74-87-3	Chloromethane	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-01-4	Vinyl Chloride	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
74-83-9	Bromomethane	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
75-00-3	Chloroethane	2.50	U	1	1.30	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-69-4	Trichlorofluoromethane	4.00	U	1	1.20	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-35-4	1,1-Dichloroethene	2.50	U	1	1.00	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
67-64-1	Acetone	20.0	U	1	4.70	20.0	25.0	ug/Kg	10/21/25 09:34	VY102125
75-15-0	Carbon Disulfide	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
1634-04-4	Methyl tert-butyl Ether	2.50	U	1	0.73	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-20-9	Methyl Acetate	4.00	U	1	1.50	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
75-09-2	Methylene Chloride	8.00	U	1	3.50	8.00	10.0	ug/Kg	10/21/25 09:34	VY102125
156-60-5	trans-1,2-Dichloroethene	2.50	U	1	0.86	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-34-3	1,1-Dichloroethane	2.50	U	1	0.80	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
110-82-7	Cyclohexane	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
78-93-3	2-Butanone	20.0	U	1	6.50	20.0	25.0	ug/Kg	10/21/25 09:34	VY102125
56-23-5	Carbon Tetrachloride	2.50	U	1	0.97	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
156-59-2	cis-1,2-Dichloroethene	2.50	U	1	0.75	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
74-97-5	Bromochloromethane	4.00	U	1	1.20	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
67-66-3	Chloroform	4.00	U	1	0.84	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
71-55-6	1,1,1-Trichloroethane	2.50	U	1	0.93	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
108-87-2	Methylcyclohexane	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
71-43-2	Benzene	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
107-06-2	1,2-Dichloroethane	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-01-6	Trichloroethene	2.50	U	1	0.81	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
78-87-5	1,2-Dichloropropane	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-27-4	Bromodichloromethane	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
108-10-1	4-Methyl-2-Pentanone	12.5	U	1	3.60	12.5	25.0	ug/Kg	10/21/25 09:34	VY102125
108-88-3	Toluene	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-02-6	t-1,3-Dichloropropene	2.50	U	1	0.65	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-01-5	cis-1,3-Dichloropropene	2.50	U	1	0.62	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-00-5	1,1,2-Trichloroethane	2.50	U	1	0.92	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
591-78-6	2-Hexanone	12.5	U	1	3.70	12.5	25.0	ug/Kg	10/21/25 09:34	VY102125
124-48-1	Dibromochloromethane	2.50	U	1	0.87	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
106-93-4	1,2-Dibromoethane	2.50	U	1	0.88	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
127-18-4	Tetrachloroethene	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
108-90-7	Chlorobenzene	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
100-41-4	Ethyl Benzene	2.50	U	1	0.67	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
179601-23-1	m/p-Xylenes	5.00	U	1	1.20	5.00	10.0	ug/Kg	10/21/25 09:34	VY102125
95-47-6	o-Xylene	2.50	U	1	0.82	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
100-42-5	Styrene	2.50	U	1	0.71	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-25-2	Bromoform	2.50	U	1	0.86	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VY1021SBL01
Lab Sample ID: VY1021SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1	1.20	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
541-73-1	1,3-Dichlorobenzene	2.50	U	1	1.70	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
106-46-7	1,4-Dichlorobenzene	2.50	U	1	1.60	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
95-50-1	1,2-Dichlorobenzene	2.50	U	1	1.50	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1	1.80	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
120-82-1	1,2,4-Trichlorobenzene	4.00	U	1	3.00	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
87-61-6	1,2,3-Trichlorobenzene	4.00	U	1	3.20	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.0			71 - 136	92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7			78 - 119	99%	SPK: 50
2037-26-5	Toluene-d8	48.1			85 - 116	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.4	*		79 - 119	73%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	768000
540-36-3	1,4-Difluorobenzene	1270000
3114-55-4	Chlorobenzene-d5	1000000
3855-82-1	1,4-Dichlorobenzene-d4	379000

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



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VY1021SBS01
Lab Sample ID: VY1021SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	20.3		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
74-87-3	Chloromethane	19.5		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-01-4	Vinyl Chloride	20.2		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
74-83-9	Bromomethane	21.5		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
75-00-3	Chloroethane	21.2		1	1.30	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-69-4	Trichlorofluoromethane	20.4		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-35-4	1,1-Dichloroethene	20.2		1	1.00	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
67-64-1	Acetone	120		1	4.70	20.0	25.0	ug/Kg	10/21/25 10:04	VY102125
75-15-0	Carbon Disulfide	20.2		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.73	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-20-9	Methyl Acetate	15.9		1	1.50	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
75-09-2	Methylene Chloride	19.0		1	3.50	8.00	10.0	ug/Kg	10/21/25 10:04	VY102125
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-34-3	1,1-Dichloroethane	20.5		1	0.80	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
110-82-7	Cyclohexane	18.8		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
78-93-3	2-Butanone	100		1	6.50	20.0	25.0	ug/Kg	10/21/25 10:04	VY102125
56-23-5	Carbon Tetrachloride	21.7		1	0.97	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
74-97-5	Bromochloromethane	19.7		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
67-66-3	Chloroform	21.5		1	0.84	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
108-87-2	Methylcyclohexane	19.8		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
71-43-2	Benzene	21.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-01-6	Trichloroethene	21.9		1	0.81	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
78-87-5	1,2-Dichloropropane	21.5		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-27-4	Bromodichloromethane	21.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
108-10-1	4-Methyl-2-Pentanone	86.7		1	3.60	12.5	25.0	ug/Kg	10/21/25 10:04	VY102125
108-88-3	Toluene	21.9		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
591-78-6	2-Hexanone	95.9		1	3.70	12.5	25.0	ug/Kg	10/21/25 10:04	VY102125
124-48-1	Dibromochloromethane	20.8		1	0.87	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
106-93-4	1,2-Dibromoethane	20.1		1	0.88	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
127-18-4	Tetrachloroethene	22.0		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
100-41-4	Ethyl Benzene	21.0		1	0.67	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
179601-23-1	m/p-Xylenes	43.1		1	1.20	5.00	10.0	ug/Kg	10/21/25 10:04	VY102125
95-47-6	o-Xylene	20.6		1	0.82	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
100-42-5	Styrene	21.0		1	0.71	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-25-2	Bromoform	19.5		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125

Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: VY1021SBS01
 Lab Sample ID: VY1021SBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 g

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3399
 Matrix: SOIL
 % Solid: 100
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1	1.20	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
541-73-1	1,3-Dichlorobenzene	20.7		1	1.70	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		1	1.80	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	3.00	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.1		1	3.20	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.9			71 - 136		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9			78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.3			85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9			79 - 119		100%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	494000
540-36-3	1,4-Difluorobenzene	713000
3114-55-4	Chlorobenzene-d5	636000
3855-82-1	1,4-Dichlorobenzene-d4	341000

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



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VY1021SBSD01
Lab Sample ID: VY1021SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	20.9		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
74-87-3	Chloromethane	19.3		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-01-4	Vinyl Chloride	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
74-83-9	Bromomethane	20.7		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
75-00-3	Chloroethane	21.4		1	1.30	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-69-4	Trichlorofluoromethane	20.6		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-35-4	1,1-Dichloroethene	20.6		1	1.00	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
67-64-1	Acetone	120		1	4.70	20.0	25.0	ug/Kg	10/21/25 10:27	VY102125
75-15-0	Carbon Disulfide	19.7		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
1634-04-4	Methyl tert-butyl Ether	18.2		1	0.73	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-20-9	Methyl Acetate	15.6		1	1.50	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
75-09-2	Methylene Chloride	18.9		1	3.50	8.00	10.0	ug/Kg	10/21/25 10:27	VY102125
156-60-5	trans-1,2-Dichloroethene	20.6		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-34-3	1,1-Dichloroethane	20.6		1	0.80	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
110-82-7	Cyclohexane	18.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
78-93-3	2-Butanone	100		1	6.50	20.0	25.0	ug/Kg	10/21/25 10:27	VY102125
56-23-5	Carbon Tetrachloride	21.0		1	0.97	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
156-59-2	cis-1,2-Dichloroethene	20.5		1	0.75	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
74-97-5	Bromochloromethane	19.6		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
67-66-3	Chloroform	21.0		1	0.84	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
71-55-6	1,1,1-Trichloroethane	20.8		1	0.93	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-87-2	Methylcyclohexane	19.5		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
71-43-2	Benzene	21.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-01-6	Trichloroethene	21.2		1	0.81	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
78-87-5	1,2-Dichloropropane	20.7		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-27-4	Bromodichloromethane	21.2		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-10-1	4-Methyl-2-Pentanone	86.8		1	3.60	12.5	25.0	ug/Kg	10/21/25 10:27	VY102125
108-88-3	Toluene	21.4		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
10061-02-6	t-1,3-Dichloropropene	19.5		1	0.65	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.2		1	0.62	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-00-5	1,1,2-Trichloroethane	20.2		1	0.92	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
591-78-6	2-Hexanone	96.5		1	3.70	12.5	25.0	ug/Kg	10/21/25 10:27	VY102125
124-48-1	Dibromochloromethane	20.5		1	0.87	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
106-93-4	1,2-Dibromoethane	20.2		1	0.88	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
127-18-4	Tetrachloroethene	22.1		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
100-41-4	Ethyl Benzene	20.8		1	0.67	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
179601-23-1	m/p-Xylenes	42.7		1	1.20	5.00	10.0	ug/Kg	10/21/25 10:27	VY102125
95-47-6	o-Xylene	20.7		1	0.82	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
100-42-5	Styrene	20.5		1	0.71	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-25-2	Bromoform	19.6		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: VY1021SBSD01
Lab Sample ID: VY1021SBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1	1.20	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
541-73-1	1,3-Dichlorobenzene	20.8		1	1.70	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1	1.80	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
120-82-1	1,2,4-Trichlorobenzene	19.1		1	3.00	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.8		1	3.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	45.6			71 - 136		91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6			78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	49.7			85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7			79 - 119		95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	508000
540-36-3	1,4-Difluorobenzene	738000
3114-55-4	Chlorobenzene-d5	649000
3855-82-1	1,4-Dichlorobenzene-d4	346000

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>ICES02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3399</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>09:17</u> <u>12:32</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D								
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>ICES02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3399</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>09:17</u> <u>12:32</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:								
RRF005 = VY023384.D			RRF010 = VY023385.D			RRF020 = VY023386.D		
RRF050 = VY023387.D			RRF100 = VY023388.D			RRF150 = VY023389.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/21/2025 09:05</u>
Lab File ID:	<u>VY023521.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17 12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.323		-10.28	20
Chloromethane	0.490	0.450	0.1	-8.16	20
Vinyl Chloride	0.639	0.605		-5.32	20
Bromomethane	0.536	0.513		-4.29	20
Chloroethane	0.435	0.447		2.76	20
Trichlorofluoromethane	0.887	0.883		-0.45	20
1,1,2-Trichlorotrifluoroethane	0.460	0.490		6.52	20
1,1-Dichloroethene	0.446	0.455		2.02	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.260		-1.33	20
Methyl tert-butyl Ether	1.072	1.116		4.1	20
Methyl Acetate	0.261	0.303		16.09	20
Methylene Chloride	0.538	0.509		-5.39	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.840	0.1	5.53	20
Cyclohexane	0.696	0.643		-7.61	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.562		14	20
cis-1,2-Dichloroethene	0.567	0.614		8.29	20
Bromochloromethane	0.297	0.269		-9.43	20
Chloroform	0.875	0.960		9.71	20
1,1,1-Trichloroethane	0.795	0.859		8.05	20
Methylcyclohexane	0.530	0.568		7.17	20
Benzene	1.288	1.448		12.42	20
1,2-Dichloroethane	0.332	0.360		8.43	20
Trichloroethene	0.377	0.421		11.67	20
1,2-Dichloropropane	0.285	0.320		12.28	20
Bromodichloromethane	0.453	0.522		15.23	20
4-Methyl-2-Pentanone	0.166	0.186		12.05	20
Toluene	0.836	0.967		15.67	20
t-1,3-Dichloropropene	0.394	0.441		11.93	20
cis-1,3-Dichloropropene	0.465	0.524		12.69	20
1,1,2-Trichloroethane	0.242	0.285		17.77	20
2-Hexanone	0.119	0.135		13.44	20
Dibromochloromethane	0.339	0.403		18.88	20
1,2-Dibromoethane	0.231	0.269		16.45	20
Tetrachloroethene	0.516	0.575		11.43	20
Chlorobenzene	1.087	1.181	0.3	8.65	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>10/21/2025</u> <u>09:05</u>
Lab File ID:	<u>VY023521.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:17</u> <u>12:32</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.961		11.42	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.261		15.79	20
Bromoform	0.240	0.269	0.1	12.08	20
Isopropylbenzene	3.295	3.640		10.47	20
1,1,2,2-Tetrachloroethane	0.539	0.571	0.3	5.94	20
1,3-Dichlorobenzene	1.706	1.887		10.61	20
1,4-Dichlorobenzene	1.685	1.813		7.6	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.088		0	20
1,2,4-Trichlorobenzene	0.932	0.982		5.36	20
1,2,3-Trichlorobenzene	0.808	0.843		4.33	20
1,2-Dichloroethane-d4	0.418	0.408		-2.39	20
Dibromofluoromethane	0.307	0.331		7.82	20
Toluene-d8	1.144	1.218		6.47	20
4-Bromofluorobenzene	0.378	0.405		7.14	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023534.D
Acq On : 21 Oct 2025 14:59
Operator : SY/MD
Sample : Q3399-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

A
B
C
D
E
F
G
H
I
J

Quant Time: Oct 22 12:28:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 07 14:25:11 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	803329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1303553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1099444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	457774	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	336669	50.118	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.240%
35) Dibromofluoromethane	7.640	113	409395	51.112	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.220%
50) Toluene-d8	10.109	98	1472481	49.364	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.720%
62) 4-Bromofluorobenzene	12.408	95	421770	42.828	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.660%

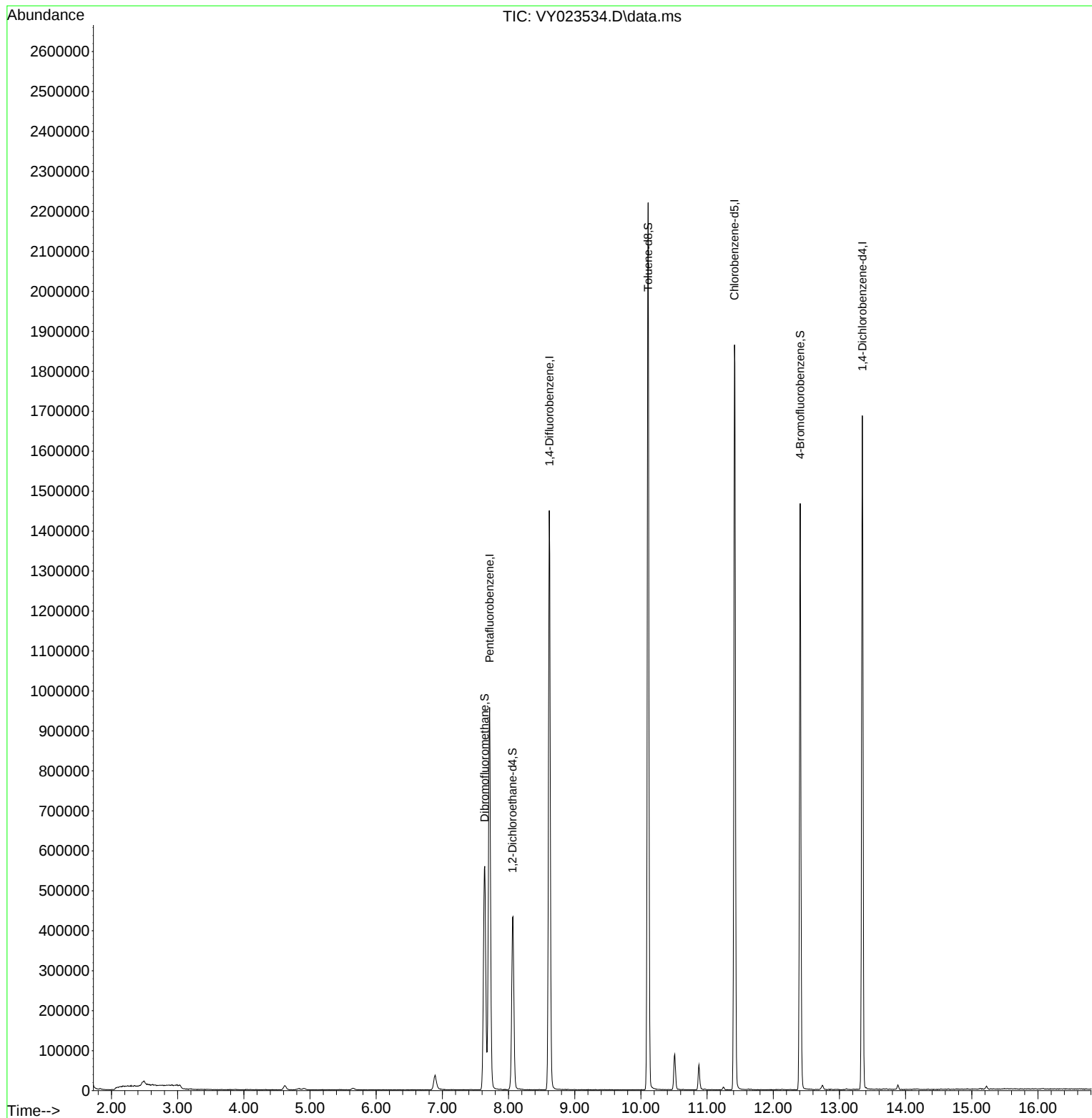
Target Compounds	Qvalue

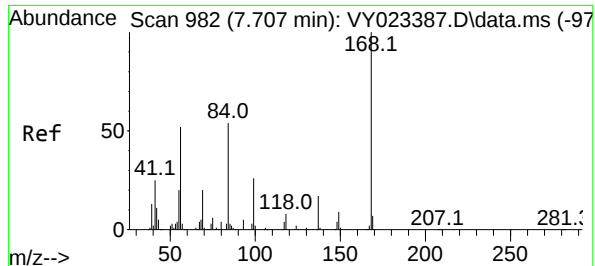
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023534.D
Acq On : 21 Oct 2025 14:59
Operator : SY/MD
Sample : Q3399-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

Quant Time: Oct 22 12:28:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 07 14:25:11 2025
Response via : Initial Calibration

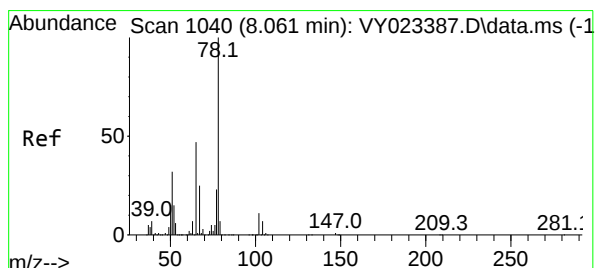
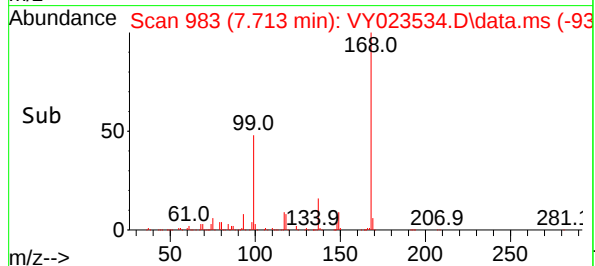
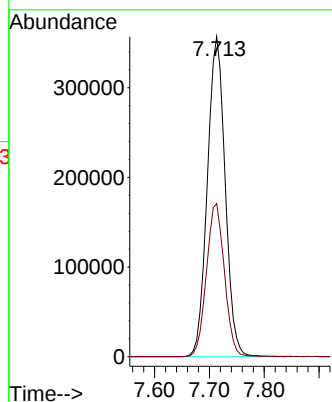
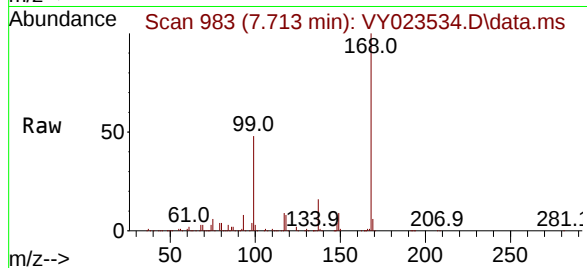




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

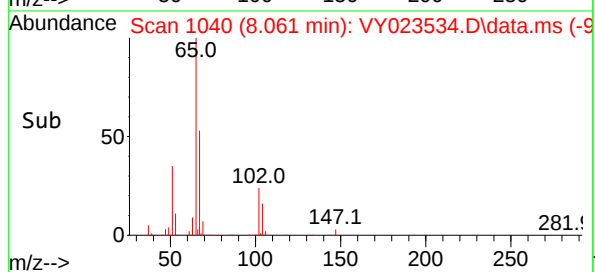
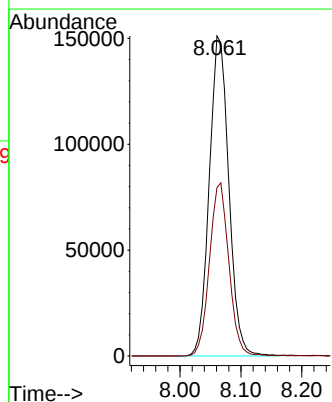
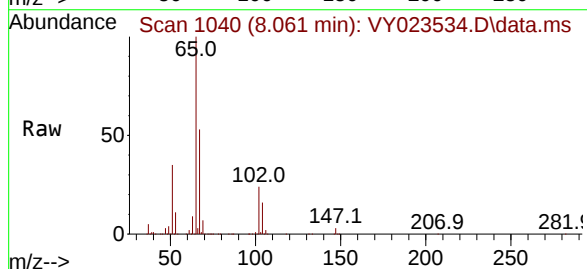
Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

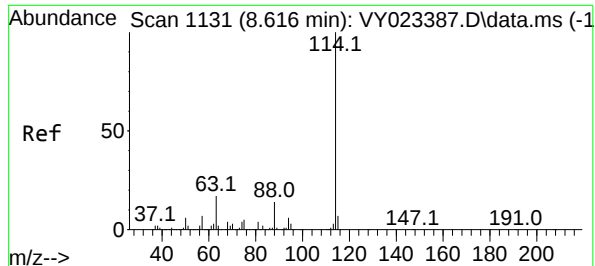
Tgt Ion:168 Resp: 803329
Ion Ratio Lower Upper
168 100
99 47.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 50.118 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

Tgt Ion: 65 Resp: 336669
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023534.D

Acq: 21 Oct 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

COMP-ROLLOFF

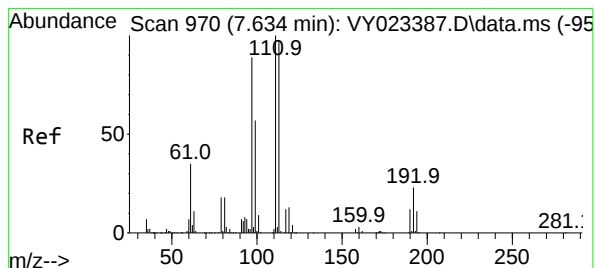
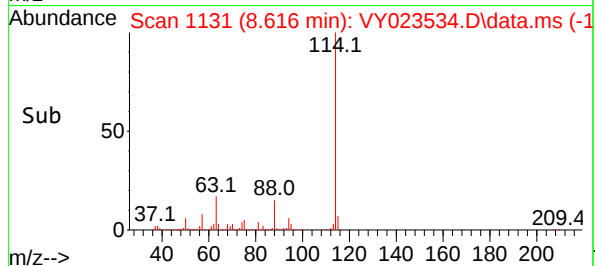
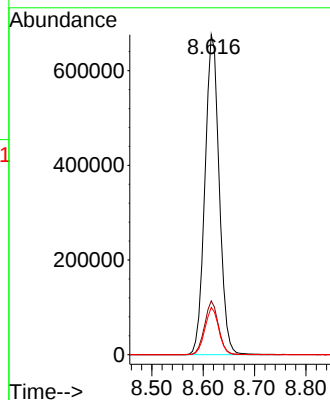
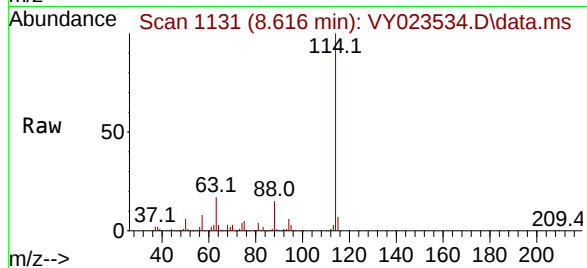
Tgt Ion:114 Resp: 1303553

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.112 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023534.D

Acq: 21 Oct 2025 14:59

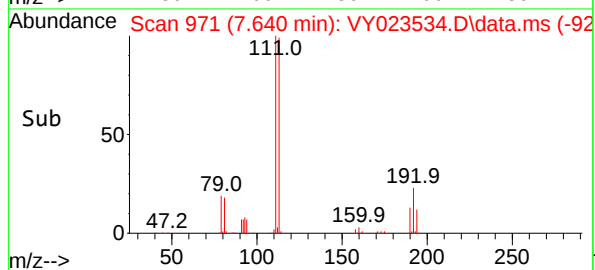
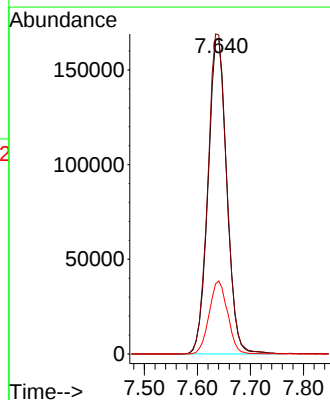
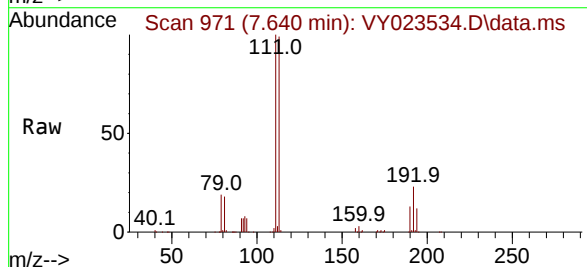
Tgt Ion:113 Resp: 409395

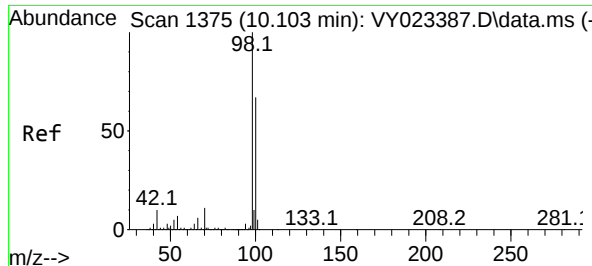
Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

192 22.7 16.2 24.4

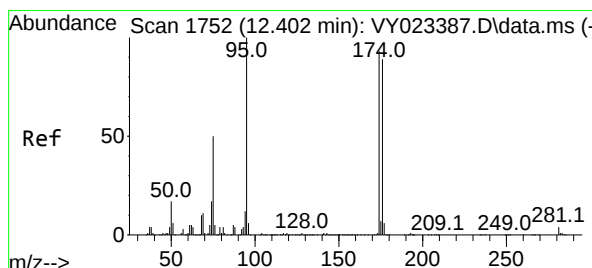
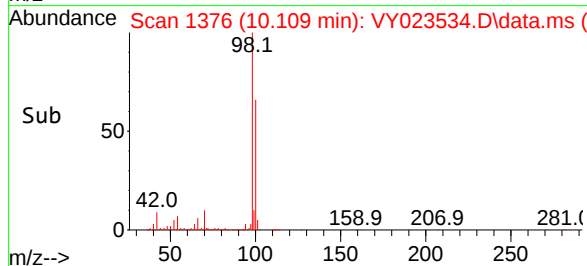
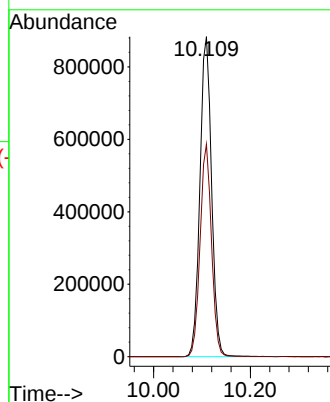
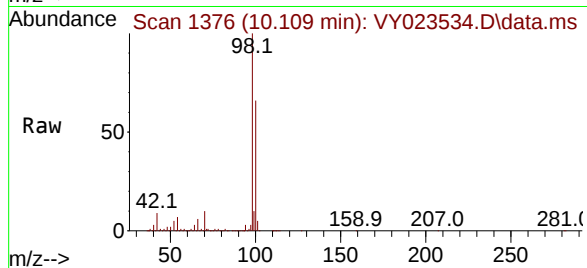




#50
Toluene-d8
Concen: 49.364 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

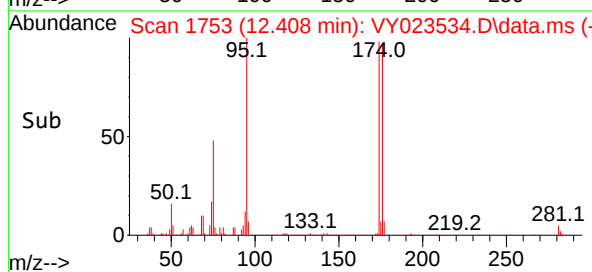
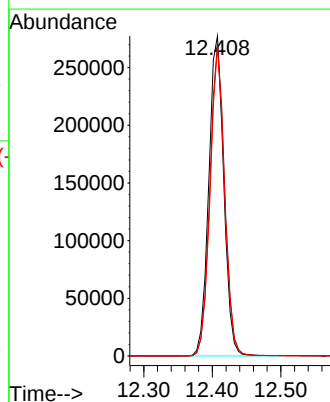
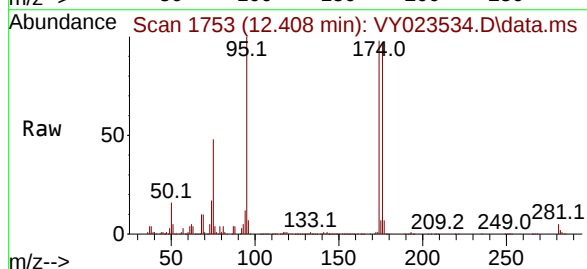
Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

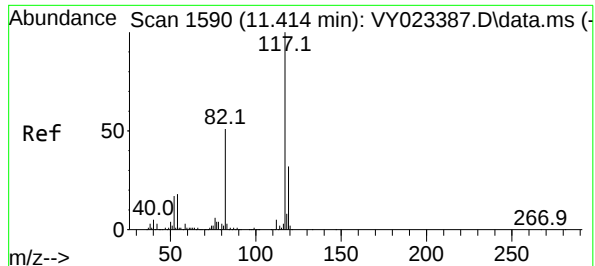
Tgt Ion: 98 Resp: 1472481
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 42.828 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023534.D
Acq: 21 Oct 2025 14:59

Tgt Ion: 95 Resp: 421770
Ion Ratio Lower Upper
95 100
174 96.2 0.0 171.6
176 93.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023534.D

Acq: 21 Oct 2025 14:59

Instrument :

MSVOA_Y

ClientSampleId :

COMP-ROLLOFF

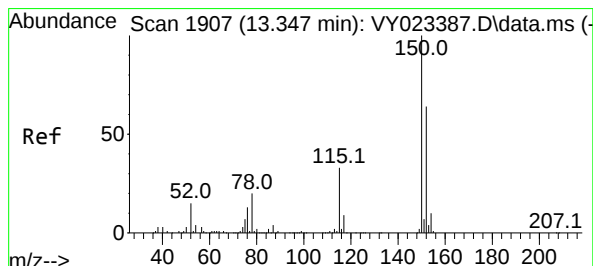
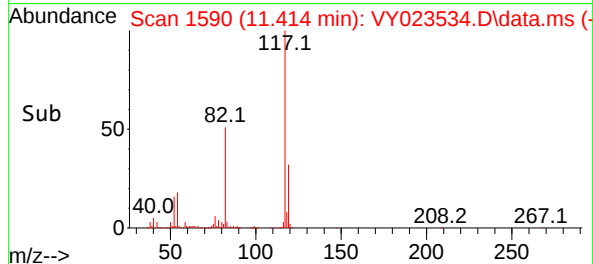
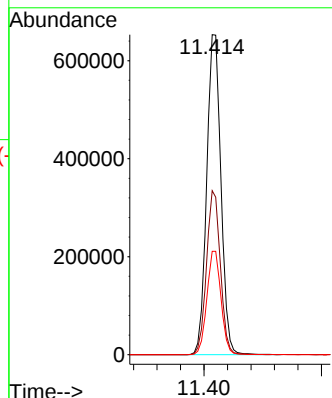
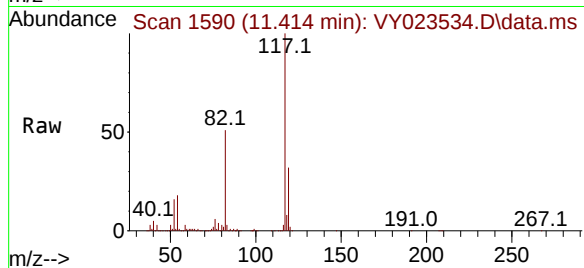
Tgt Ion:117 Resp: 1099444

Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023534.D

Acq: 21 Oct 2025 14:59

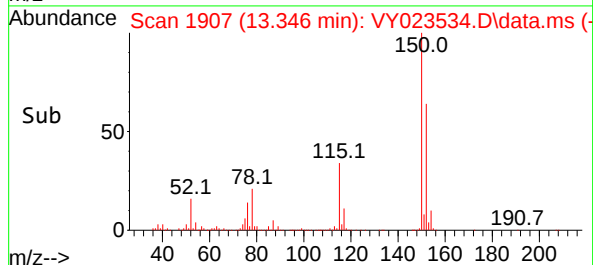
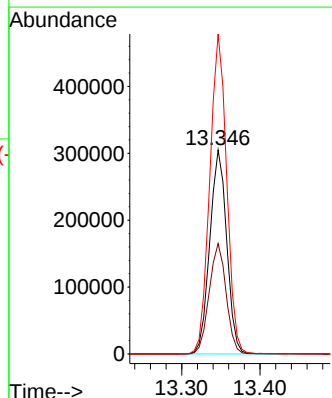
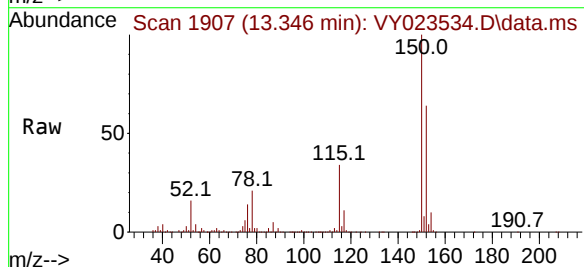
Tgt Ion:152 Resp: 457774

Ion Ratio Lower Upper

152 100

115 54.3 28.2 84.6

150 156.5 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023534.D
Acq On : 21 Oct 2025 14:59
Operator : SY/MD
Sample : Q3399-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

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\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	113	126	133	rBV10	13369	50012	1.35%	0.258%
2	6.890	837	848	861	rBV	37146	114560	3.08%	0.590%
3	7.640	959	971	976	rBV	559241	1350687	36.35%	6.956%
4	7.713	976	983	1002	rVB	955384	2187295	58.86%	11.264%
5	8.067	1029	1041	1054	rBV	432975	997020	26.83%	5.134%
6	8.616	1121	1131	1150	rBV	1449794	2792670	75.15%	14.382%
7	10.109	1367	1376	1394	rBV	2219922	3715977	100.00%	19.137%
8	10.512	1433	1442	1450	rBV	88661	165759	4.46%	0.854%
9	10.877	1496	1502	1513	rBV	62010	106402	2.86%	0.548%
10	11.414	1582	1590	1609	rBV	1863958	3119187	83.94%	16.063%
11	12.408	1744	1753	1765	rBV	1467361	2277969	61.30%	11.731%
12	13.346	1899	1907	1915	rBV	1685792	2540627	68.37%	13.084%

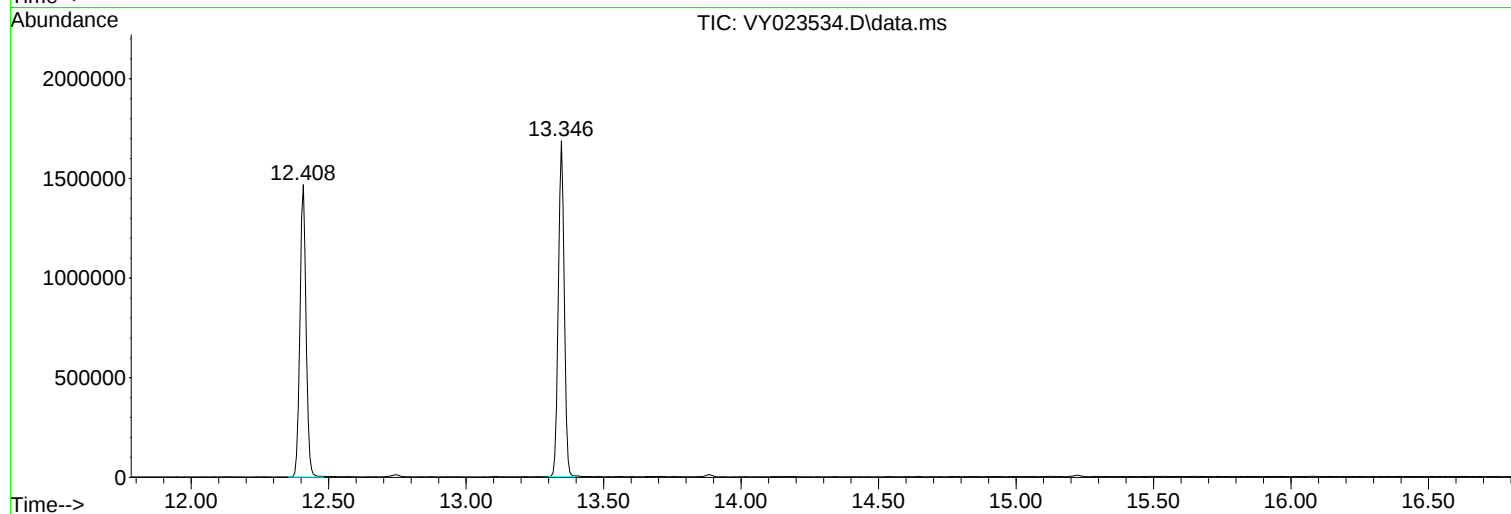
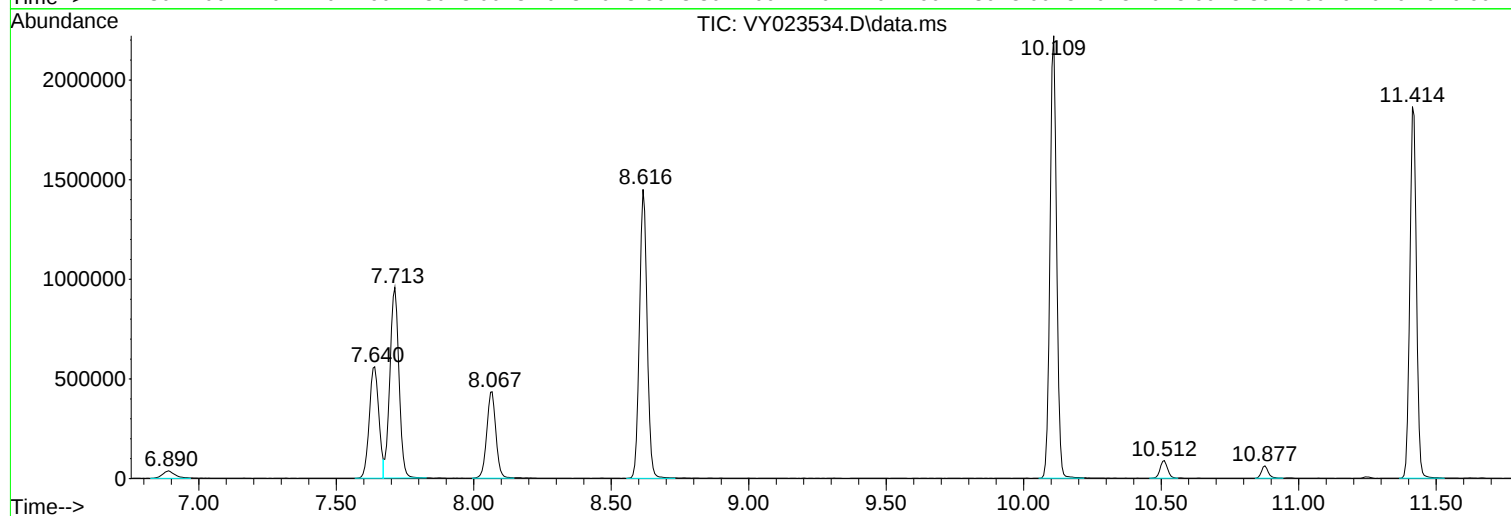
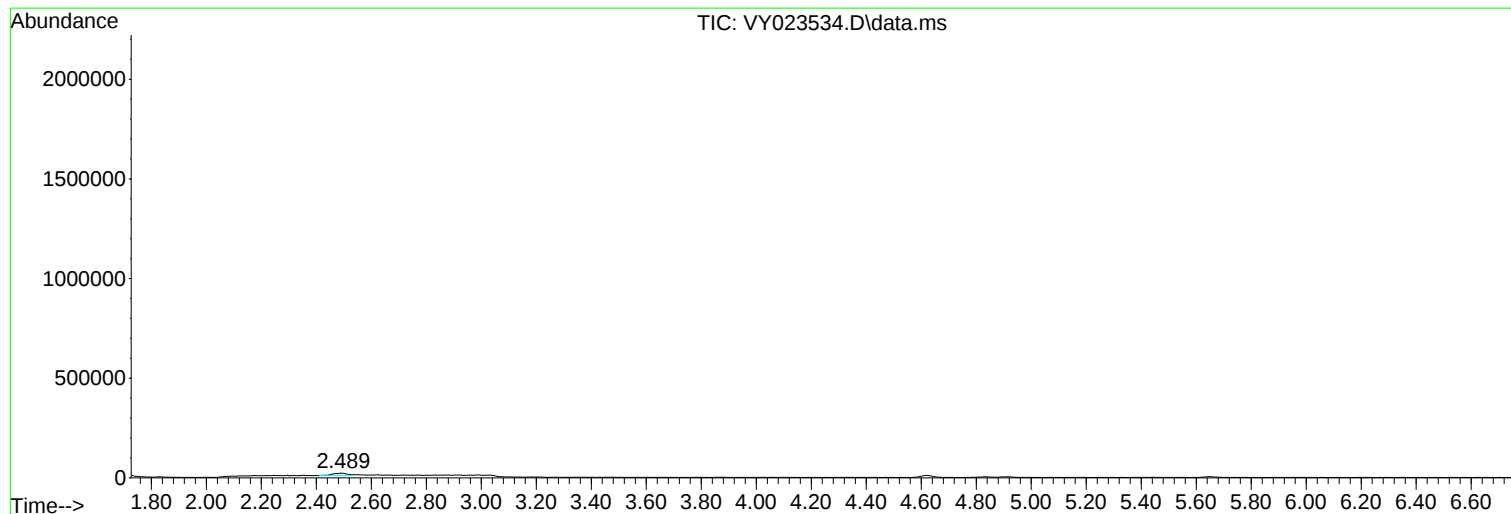
Sum of corrected areas: 19418165

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023534.D
Acq On : 21 Oct 2025 14:59
Operator : SY/MD
Sample : Q3399-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023534.D
Acq On : 21 Oct 2025 14:59
Operator : SY/MD
Sample : Q3399-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023534.D
Acq On : 21 Oct 2025 14:59
Operator : SY/MD
Sample : Q3399-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
COMP-ROLLOFF

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Time: Oct 24 01:21:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	767531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1271980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1000258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	378610	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	295141	45.985	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.960%
35) Dibromofluoromethane	7.640	113	388671	49.729	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.460%
50) Toluene-d8	10.109	98	1399310	48.076	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.160%
62) 4-Bromofluorobenzene	12.408	95	349784	36.400	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.800%

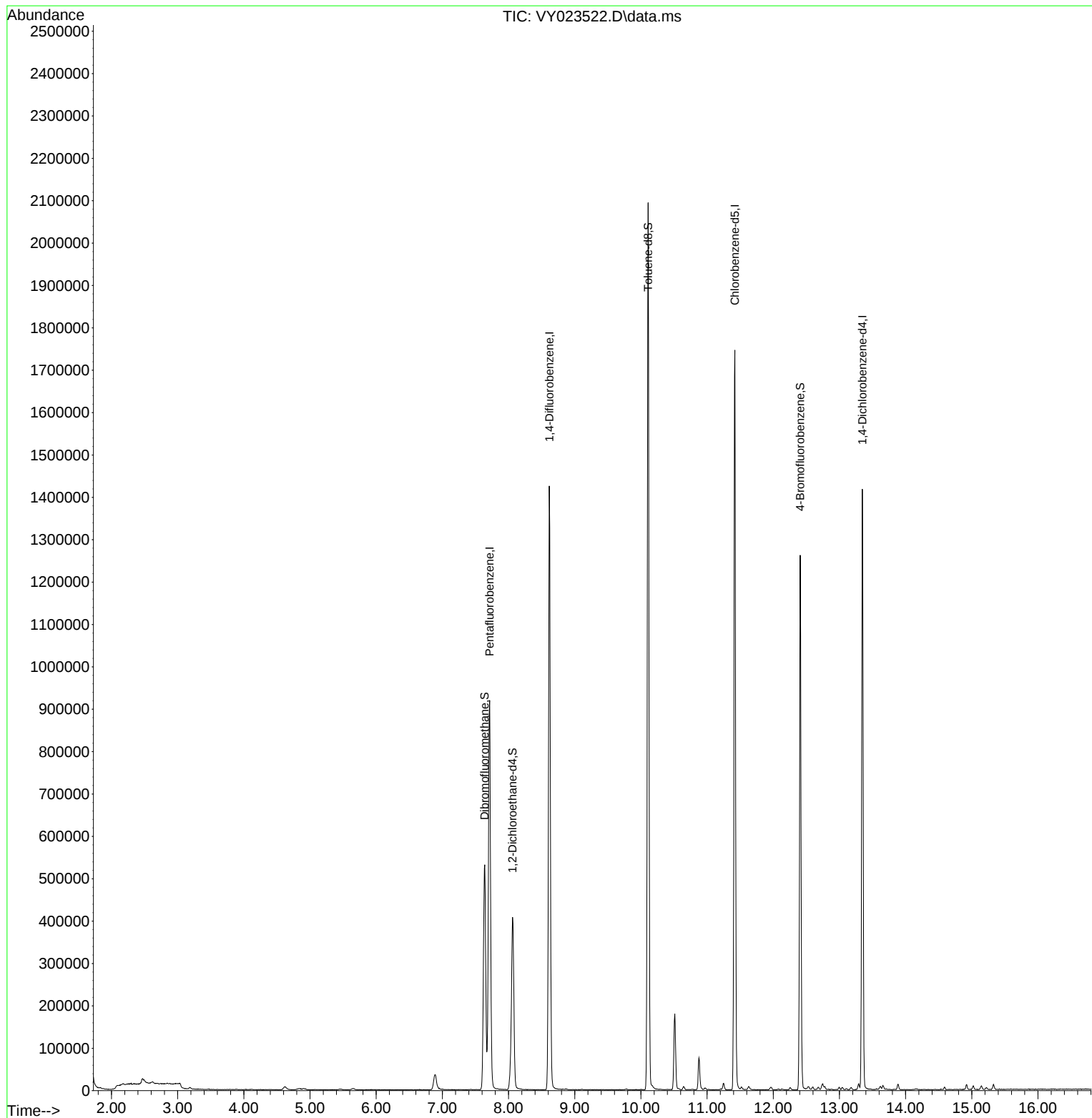
Target Compounds	Qvalue

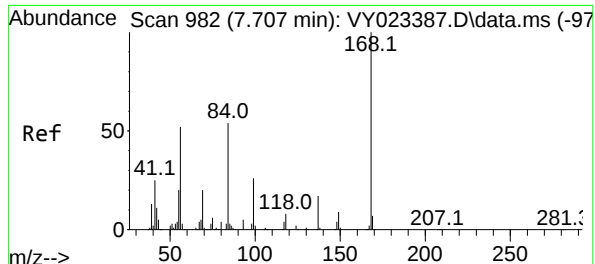
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Time: Oct 24 01:21:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

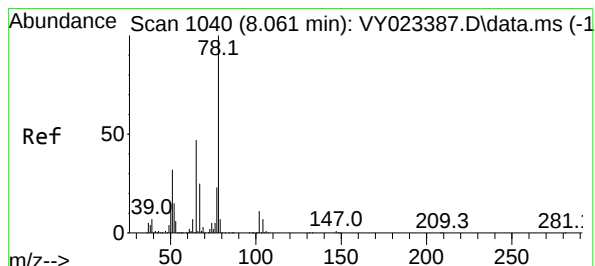
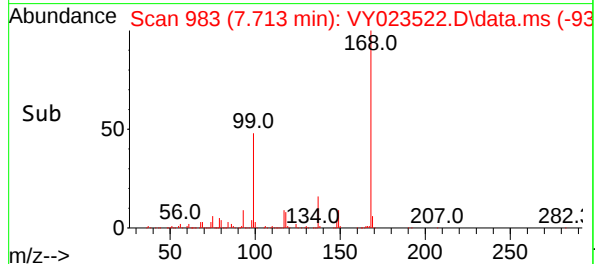
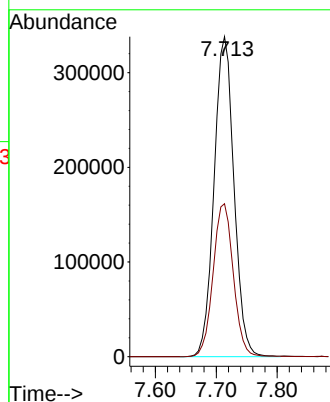
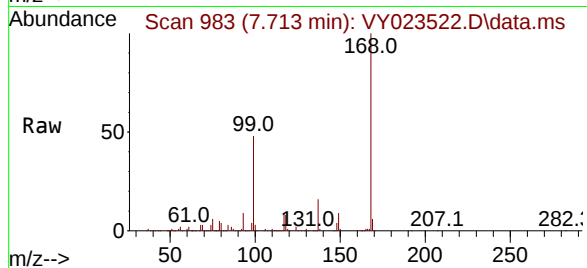




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

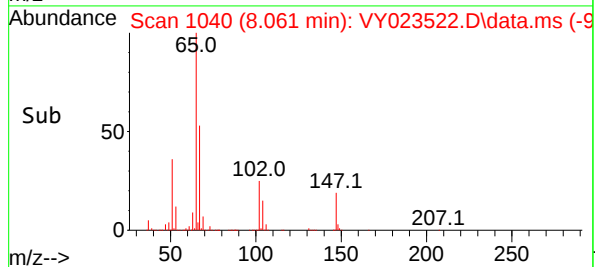
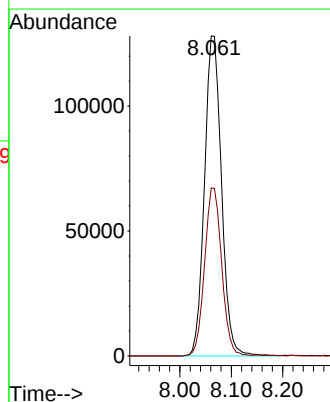
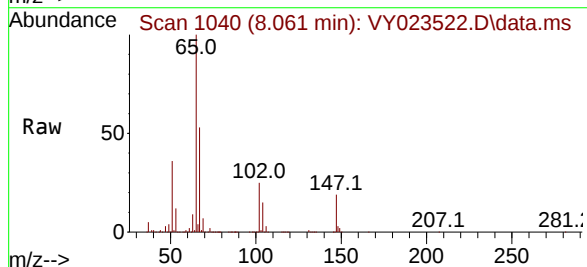
Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

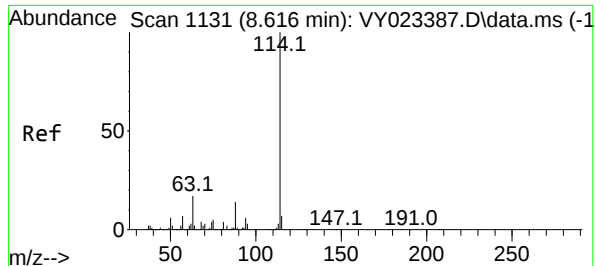
Tgt Ion:168 Resp: 767531
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 45.985 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion: 65 Resp: 295141
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

VY1021SBL01

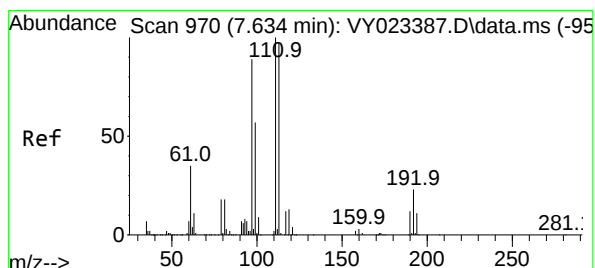
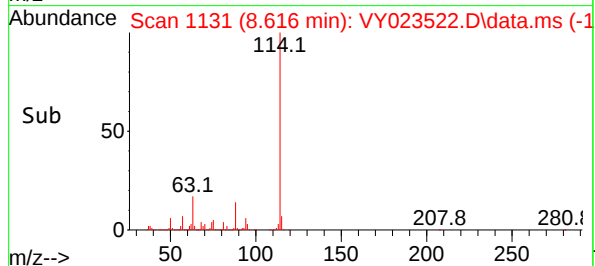
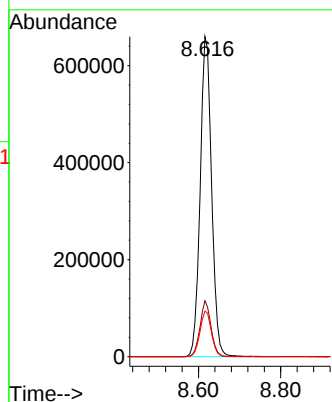
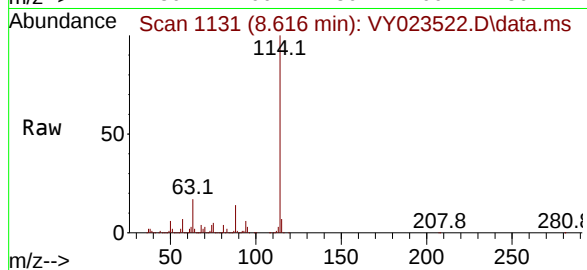
Tgt Ion:114 Resp: 1271980

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.2 0.0 28.4



#35

Dibromofluoromethane

Concen: 49.729 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

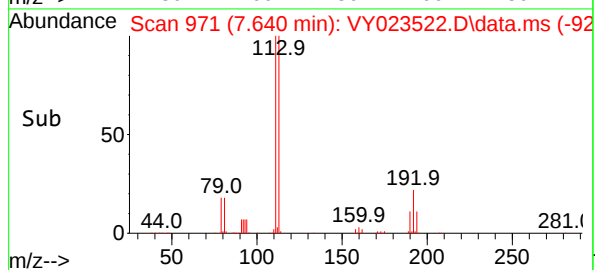
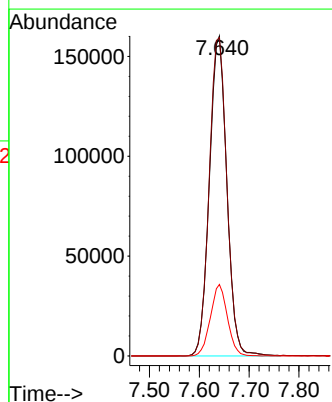
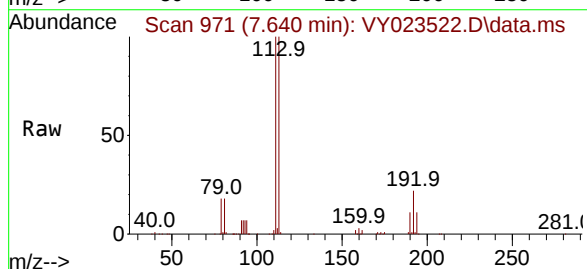
Tgt Ion:113 Resp: 388671

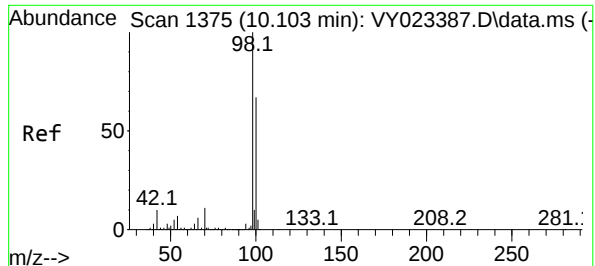
Ion Ratio Lower Upper

113 100

111 101.1 81.8 122.6

192 21.8 18.0 27.0





#50

Toluene-d8

Concen: 48.076 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

Instrument :

MSVOA_Y

ClientSampleId :

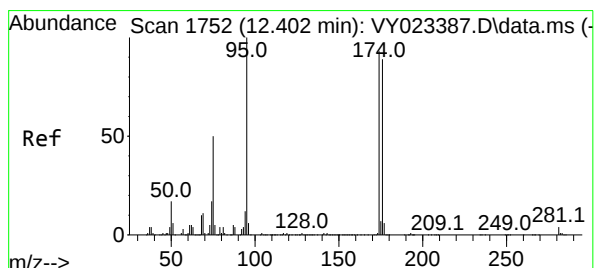
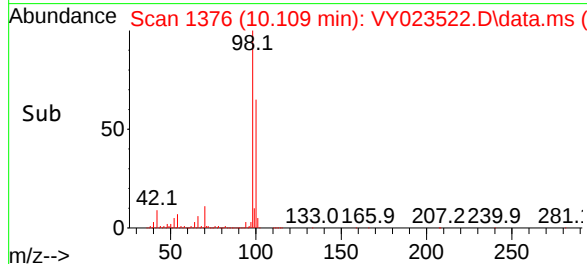
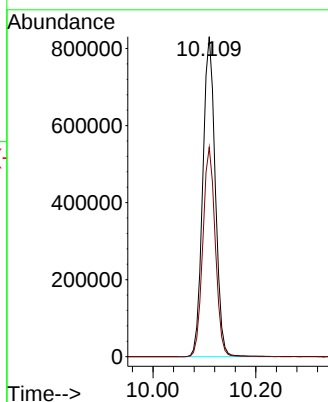
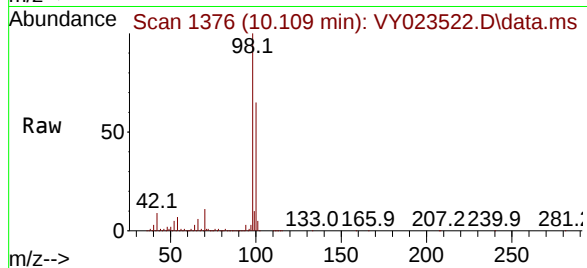
VY1021SBL01

Tgt Ion: 98 Resp: 1399310

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 36.400 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023522.D

Acq: 21 Oct 2025 09:34

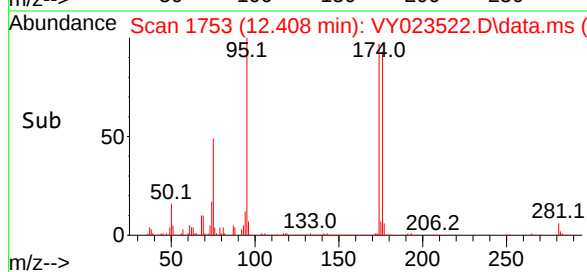
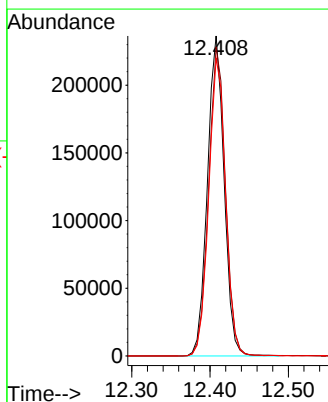
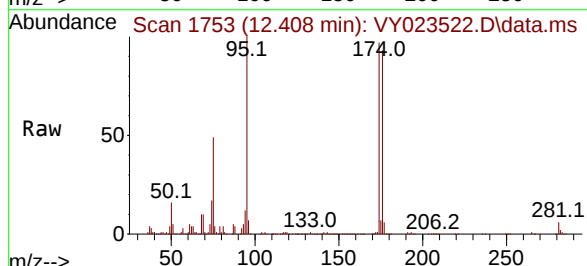
Tgt Ion: 95 Resp: 349784

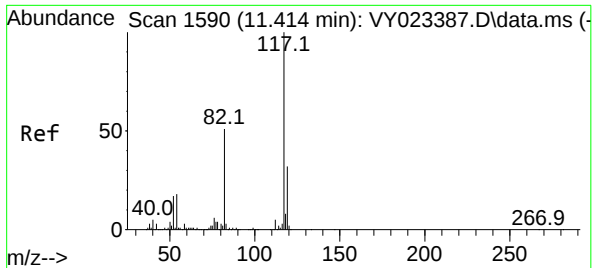
Ion Ratio Lower Upper

95 100

174 98.0 0.0 192.8

176 93.7 0.0 187.6

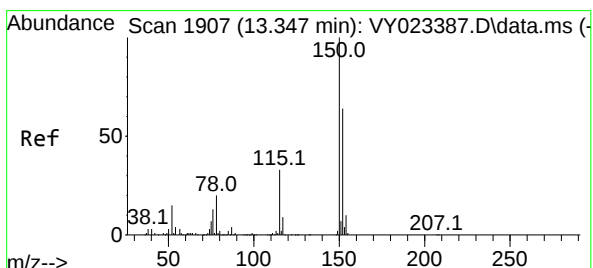
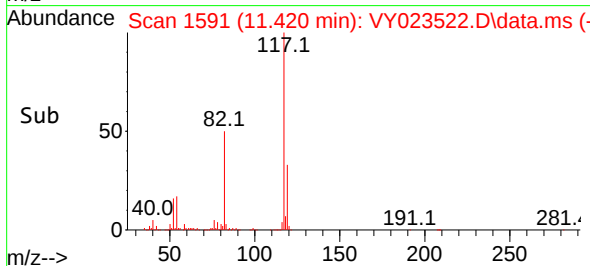
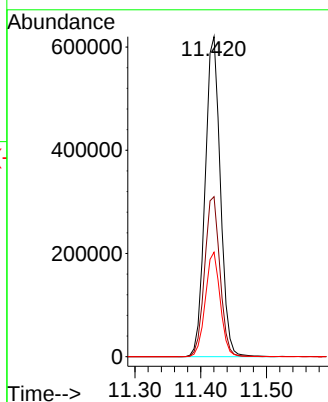
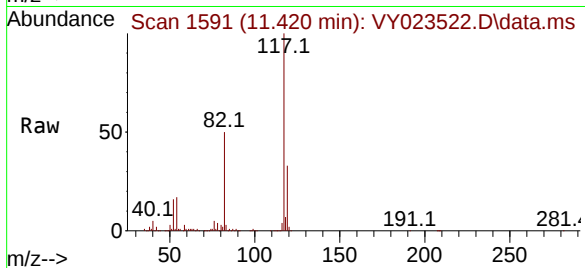




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

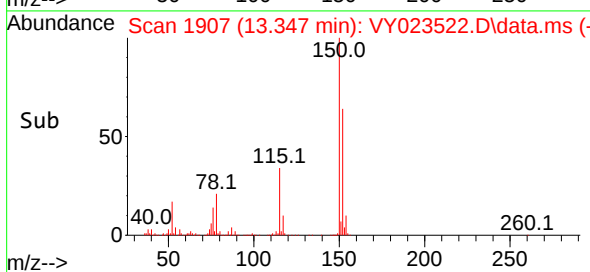
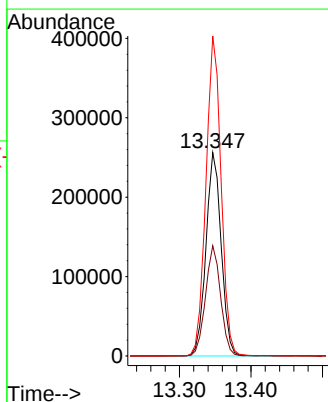
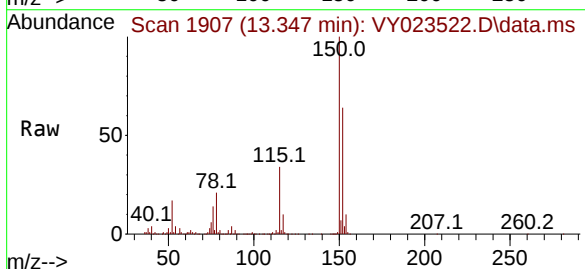
Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Tgt Ion:117 Resp: 1000258
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.4
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023522.D
Acq: 21 Oct 2025 09:34

Tgt Ion:152 Resp: 378610
Ion Ratio Lower Upper
152 100
115 53.8 27.1 81.2
150 156.0 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023522.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	35400	111624	3.14%	0.612%
2	7.640	959	971	976	rBV	531008	1277186	35.90%	6.997%
3	7.713	976	983	1000	rVB	917366	2109123	59.28%	11.555%
4	8.061	1027	1040	1064	rBV2	406960	1071893	30.13%	5.872%
5	8.616	1122	1131	1147	rBV	1424841	2733100	76.81%	14.973%
6	10.109	1367	1376	1396	rBV	2093314	3558053	100.00%	19.492%
7	10.512	1435	1442	1449	rBV	178794	329732	9.27%	1.806%
8	10.878	1494	1502	1511	rBV	75256	134524	3.78%	0.737%
9	11.420	1583	1591	1604	rBV	1745395	2851605	80.15%	15.622%
10	12.408	1746	1753	1763	rBV2	1261596	1957774	55.02%	10.725%
11	13.347	1901	1907	1921	rVB	1416131	2119051	59.56%	11.609%

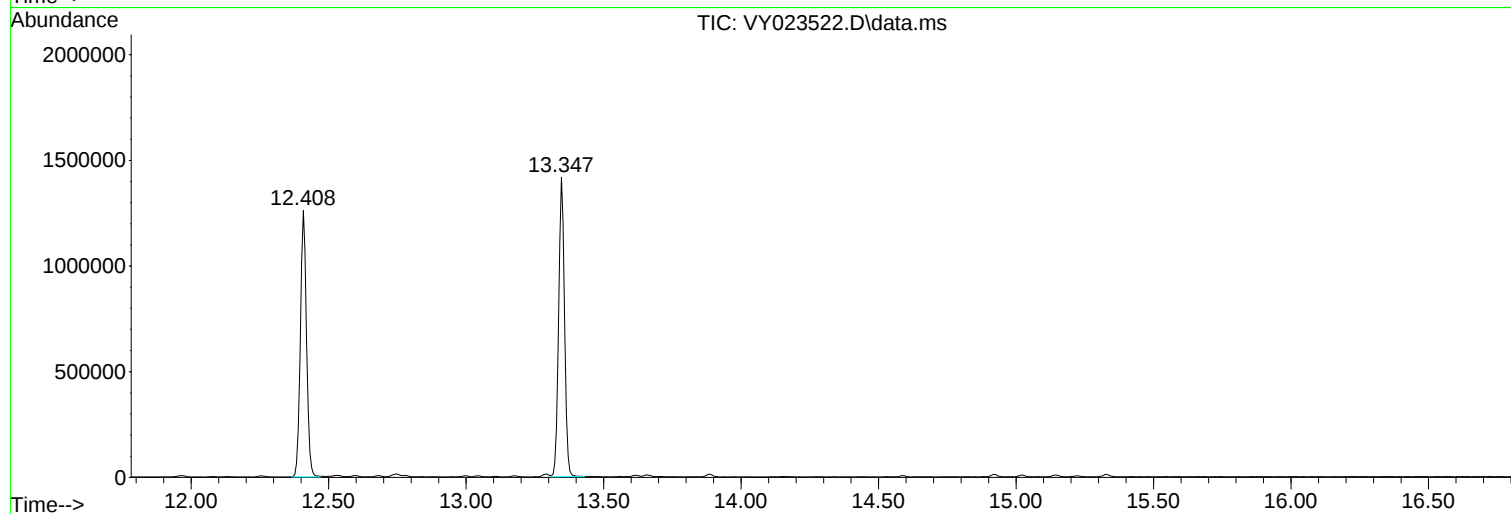
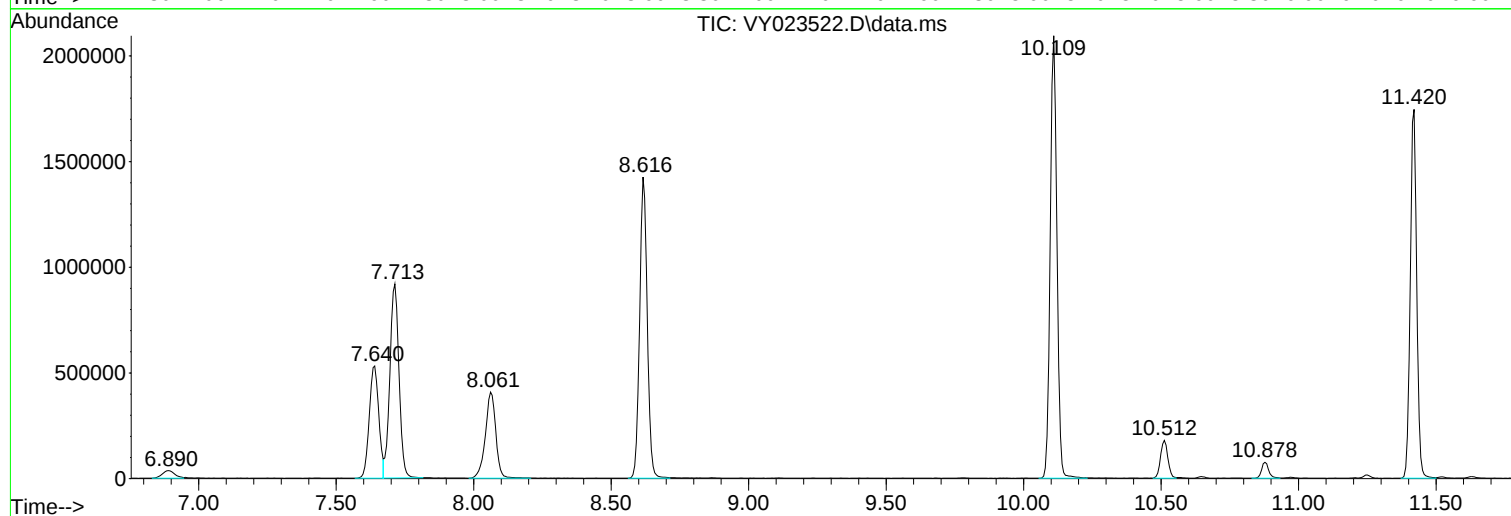
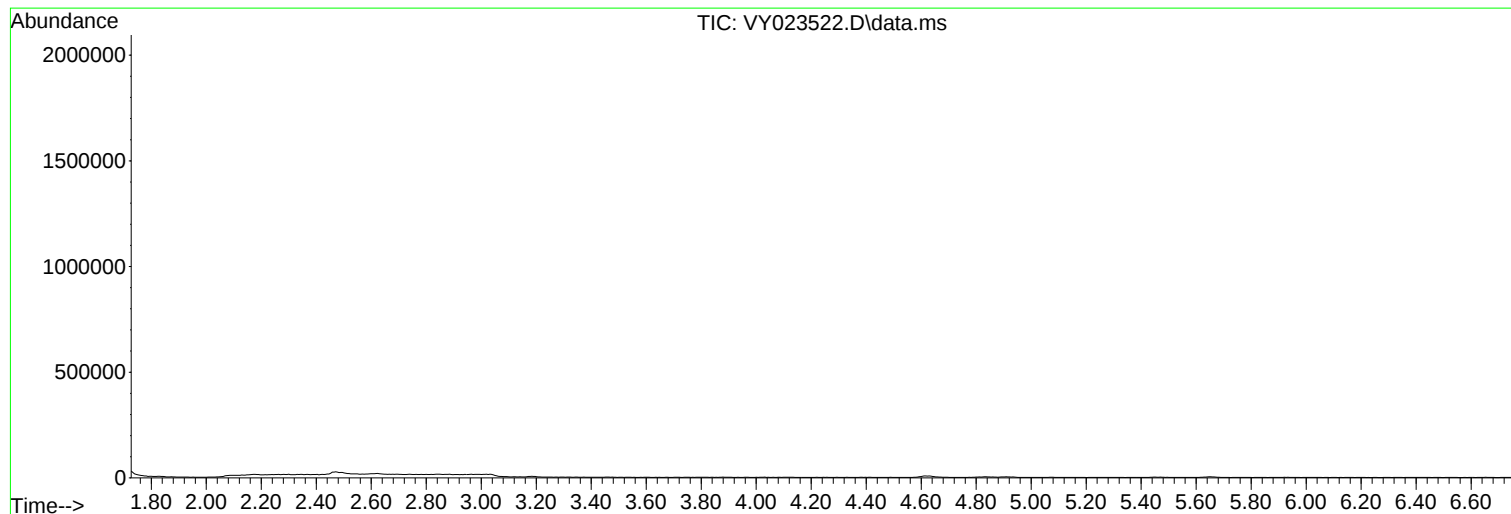
Sum of corrected areas: 18253665

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023522.D
Acq On : 21 Oct 2025 09:34
Operator : SY/MD
Sample : VY1021SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023523.D
 Acq On : 21 Oct 2025 10:04
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	494016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	712868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	635785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193871	46.930	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.860%		
35) Dibromofluoromethane	7.634	113	222986	50.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.820%		
50) Toluene-d8	10.109	98	837402	51.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.680%		
62) 4-Bromofluorobenzene	12.408	95	268965	49.942	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	72214	20.308	ug/l	96
3) Chloromethane	2.074	50	94488	19.506	ug/l	99
4) Vinyl Chloride	2.208	62	127704	20.240	ug/l	98
5) Bromomethane	2.592	94	113644	21.464	ug/l	96
6) Chloroethane	2.732	64	91163	21.197	ug/l	99
7) Trichlorofluoromethane	3.056	101	179067	20.441	ug/l	100
8) Diethyl Ether	3.458	74	42637	18.626	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	96083	21.136	ug/l	99
10) Methyl Iodide	4.007	142	95981	18.966	ug/l	100
11) Tert butyl alcohol	4.848	59	34552	112.428	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	89008	20.198	ug/l	95
13) Acrolein	3.653	56	21612	49.768	ug/l	98
14) Allyl chloride	4.385	41	99926	18.606	ug/l	96
15) Acrylonitrile	5.061	53	79043	90.228	ug/l	99
16) Acetone	3.866	43	119380	121.387	ug/l	99
17) Carbon Disulfide	4.110	76	254170	20.152	ug/l	99
18) Methyl Acetate	4.385	43	40953	15.874	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	190637	17.999	ug/l	96
20) Methylene Chloride	4.616	84	101259	19.041	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	101665	20.955	ug/l	97
22) Diisopropyl ether	6.018	45	232353	19.559	ug/l	93
23) Vinyl Acetate	5.964	43	586288	91.178	ug/l	97
24) 1,1-Dichloroethane	5.915	63	161044	20.465	ug/l	99
25) 2-Butanone	6.896	43	122251	101.820	ug/l	96
26) 2,2-Dichloropropane	6.884	77	149940	20.766	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	115907	20.682	ug/l	98
28) Bromochloromethane	7.250	49	57916	19.715	ug/l	93
29) Tetrahydrofuran	7.262	42	54688	80.322	ug/l	97
30) Chloroform	7.421	83	186069	21.521	ug/l	100
31) Cyclohexane	7.701	56	129108	18.787	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	165772	21.099	ug/l	100
36) 1,1-Dichloropropene	7.835	75	122511	21.126	ug/l	99
37) Ethyl Acetate	6.988	43	42544	18.518	ug/l	98
38) Carbon Tetrachloride	7.823	117	152907	21.746	ug/l	99
39) Methylcyclohexane	9.109	83	149816	19.842	ug/l	96
40) Benzene	8.079	78	396525	21.591	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023523.D
 Acq On : 21 Oct 2025 10:04
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	24936m	20.069	ug/l	
42) 1,2-Dichloroethane	8.158	62	94656	19.985	ug/l	97
43) Isopropyl Acetate	8.201	43	79352	17.322	ug/l	99
44) Trichloroethene	8.865	130	117801	21.916	ug/l	97
45) 1,2-Dichloropropane	9.140	63	87109	21.475	ug/l	100
46) Dibromomethane	9.231	93	52865	20.610	ug/l	98
47) Bromodichloromethane	9.426	83	137492	21.284	ug/l	100
48) Methyl methacrylate	9.219	41	34583	16.069	ug/l	89
49) 1,4-Dioxane	9.231	88	10115	340.128	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	205212	86.702	ug/l	100
52) Toluene	10.170	92	260667	21.861	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	111956	19.932	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	137908	20.802	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	72400	20.990	ug/l	95
56) Ethyl methacrylate	10.438	69	68512	17.220	ug/l	96
57) 1,3-Dichloropropane	10.719	76	110943	20.298	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	161119	90.396	ug/l	100
59) 2-Hexanone	10.761	43	162182	95.882	ug/l	100
60) Dibromochloromethane	10.914	129	100658	20.815	ug/l	99
61) 1,2-Dibromoethane	11.011	107	66140	20.106	ug/l	100
64) Tetrachloroethene	10.646	164	144595	22.026	ug/l	96
65) Chlorobenzene	11.444	112	292874	21.180	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	105517	21.413	ug/l	99
67) Ethyl Benzene	11.517	91	469417	20.972	ug/l	99
68) m/p-Xylenes	11.627	106	386672	43.069	ug/l	98
69) o-Xylene	11.956	106	173158	20.563	ug/l	100
70) Styrene	11.969	104	290368	20.968	ug/l	100
71) Bromoform	12.133	173	59594	19.497	ug/l #	99
73) Isopropylbenzene	12.255	105	457435	20.332	ug/l	99
74) N-amyl acetate	12.072	43	63675	15.757	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	67088	18.231	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	51352m	17.049	ug/l	
77) Bromobenzene	12.529	156	120941	20.220	ug/l	97
78) n-propylbenzene	12.597	91	544028	20.896	ug/l	100
79) 2-Chlorotoluene	12.682	91	314616	20.636	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	382336	21.030	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	21535	17.532	ug/l	99
82) 4-Chlorotoluene	12.779	91	333366	21.231	ug/l	100
83) tert-Butylbenzene	12.999	119	342878	20.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	382715	21.093	ug/l	99
85) sec-Butylbenzene	13.176	105	504696	20.959	ug/l	100
86) p-Isopropyltoluene	13.292	119	427597	20.856	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	241546	20.738	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	236089	20.523	ug/l	98
89) n-Butylbenzene	13.615	91	360818	20.198	ug/l	99
90) Hexachloroethane	13.877	117	93382	21.177	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	209046	20.472	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10278	17.023	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	114772	18.029	ug/l	99
94) Hexachlorobutadiene	15.023	225	80710	20.338	ug/l	97
95) Naphthalene	15.145	128	155957	15.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	99805	18.100	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023523.D
Acq On : 21 Oct 2025 10:04
Operator : SY/MD
Sample : VY1021SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

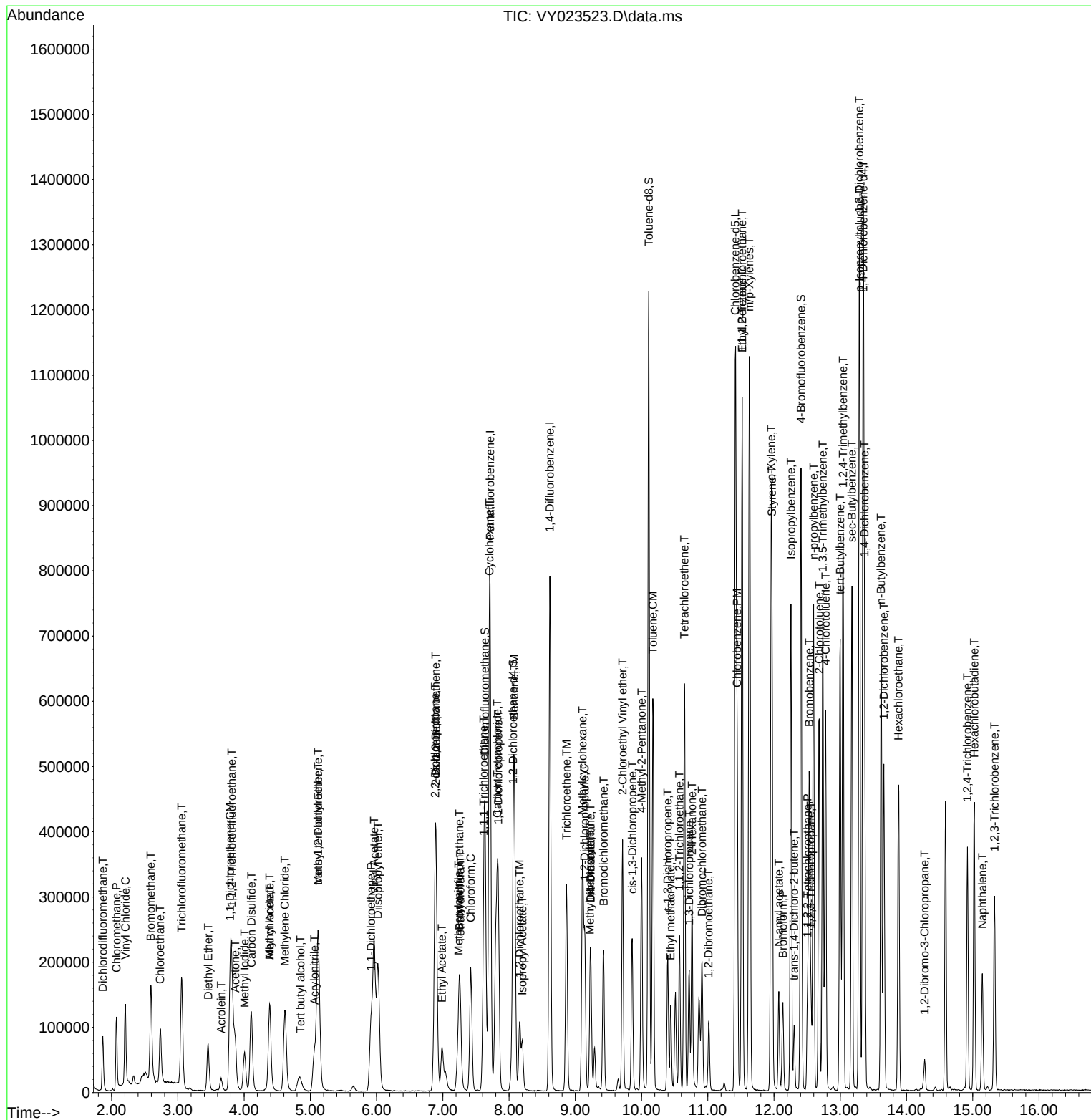
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023523.D
Acq On : 21 Oct 2025 10:04
Operator : SY/MD
Sample : VY1021SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023524.D
 Acq On : 21 Oct 2025 10:27
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	507725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	737688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	649036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	345630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193552	45.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.180%		
35) Dibromofluoromethane	7.640	113	224981	49.635	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.260%		
50) Toluene-d8	10.109	98	839480	49.731	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.460%		
62) 4-Bromofluorobenzene	12.407	95	265572	47.653	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	76535	20.942	ug/l	97
3) Chloromethane	2.074	50	96007	19.285	ug/l	94
4) Vinyl Chloride	2.208	62	129832	20.022	ug/l	98
5) Bromomethane	2.592	94	112639	20.700	ug/l	95
6) Chloroethane	2.732	64	94469	21.373	ug/l	95
7) Trichlorofluoromethane	3.055	101	185484	20.601	ug/l	99
8) Diethyl Ether	3.458	74	43119	18.328	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	96666	20.690	ug/l	98
10) Methyl Iodide	4.007	142	105061	20.199	ug/l	99
11) Tert butyl alcohol	4.854	59	29782	94.291	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	93147	20.567	ug/l	97
13) Acrolein	3.653	56	22812	51.113	ug/l	100
14) Allyl chloride	4.391	41	104298	18.896	ug/l	98
15) Acrylonitrile	5.067	53	80058	88.919	ug/l	100
16) Acetone	3.866	43	119903	118.627	ug/l	99
17) Carbon Disulfide	4.110	76	255071	19.677	ug/l	100
18) Methyl Acetate	4.385	43	41344	15.593	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	198449	18.231	ug/l	99
20) Methylene Chloride	4.622	84	103156	18.874	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	102505	20.557	ug/l	95
22) Diisopropyl ether	6.024	45	241142	19.751	ug/l	100
23) Vinyl Acetate	5.963	43	608978	92.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	166872	20.633	ug/l	99
25) 2-Butanone	6.896	43	123377	99.983	ug/l	97
26) 2,2-Dichloropropane	6.884	77	153398	20.671	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	118114	20.507	ug/l	98
28) Bromochloromethane	7.244	49	59036	19.554	ug/l	99
29) Tetrahydrofuran	7.262	42	56628	80.926	ug/l	98
30) Chloroform	7.427	83	186548	20.994	ug/l	98
31) Cyclohexane	7.707	56	131398	18.604	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	167846	20.786	ug/l	99
36) 1,1-Dichloropropene	7.835	75	125854	20.973	ug/l	99
37) Ethyl Acetate	6.988	43	42506	17.879	ug/l	97
38) Carbon Tetrachloride	7.817	117	152959	21.021	ug/l	99
39) Methylcyclohexane	9.109	83	152680	19.541	ug/l	97
40) Benzene	8.085	78	409670	21.557	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023524.D
 Acq On : 21 Oct 2025 10:27
 Operator : SY/MD
 Sample : VY1021SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	25328m	19.698	ug/l	
42) 1,2-Dichloroethane	8.158	62	97868	19.968	ug/l	98
43) Isopropyl Acetate	8.201	43	83604	17.636	ug/l	96
44) Trichloroethene	8.865	130	117839	21.185	ug/l	97
45) 1,2-Dichloropropane	9.140	63	86878	20.697	ug/l	96
46) Dibromomethane	9.231	93	54393	20.493	ug/l	98
47) Bromodichloromethane	9.426	83	141737	21.203	ug/l	97
48) Methyl methacrylate	9.225	41	36374	16.333	ug/l	93
49) 1,4-Dioxane	9.231	88	11187	363.519	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	212509	86.764	ug/l	99
52) Toluene	10.170	92	264651	21.448	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	113570	19.539	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	138303	20.160	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	72099	20.200	ug/l	96
56) Ethyl methacrylate	10.438	69	71577	17.385	ug/l	97
57) 1,3-Dichloropropane	10.719	76	115753	20.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	157950	85.637	ug/l	99
59) 2-Hexanone	10.761	43	168854	96.468	ug/l	99
60) Dibromochloromethane	10.914	129	102818	20.546	ug/l	99
61) 1,2-Dibromoethane	11.011	107	68658	20.170	ug/l	98
64) Tetrachloroethene	10.646	164	148305	22.130	ug/l	96
65) Chlorobenzene	11.444	112	298892	21.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	105088	20.891	ug/l	99
67) Ethyl Benzene	11.517	91	475071	20.791	ug/l	100
68) m/p-Xylenes	11.627	106	391375	42.703	ug/l	100
69) o-Xylene	11.956	106	178360	20.748	ug/l	98
70) Styrene	11.969	104	290473	20.548	ug/l	99
71) Bromoform	12.133	173	61136	19.593	ug/l #	100
73) Isopropylbenzene	12.255	105	463044	20.329	ug/l	100
74) N-amyl acetate	12.072	43	68201	16.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	70214	18.847	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	63070m	20.683	ug/l	
77) Bromobenzene	12.529	156	123338	20.368	ug/l	98
78) n-propylbenzene	12.596	91	549380	20.843	ug/l	100
79) 2-Chlorotoluene	12.676	91	317913	20.597	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	383903	20.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22311	17.942	ug/l	97
82) 4-Chlorotoluene	12.773	91	329355	20.719	ug/l	99
83) tert-Butylbenzene	12.999	119	348123	20.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	381863	20.789	ug/l	100
85) sec-Butylbenzene	13.176	105	513781	21.075	ug/l	99
86) p-Isopropyltoluene	13.291	119	434529	20.935	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	245648	20.832	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	239545	20.569	ug/l	99
89) n-Butylbenzene	13.615	91	366353	20.257	ug/l	99
90) Hexachloroethane	13.877	117	92759	20.778	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	212289	20.535	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10564	17.282	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	123359	19.140	ug/l	99
94) Hexachlorobutadiene	15.023	225	84356	20.997	ug/l	100
95) Naphthalene	15.145	128	169169	16.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	104991	18.807	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023524.D
Acq On : 21 Oct 2025 10:27
Operator : SY/MD
Sample : VY1021SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1021SBSD01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

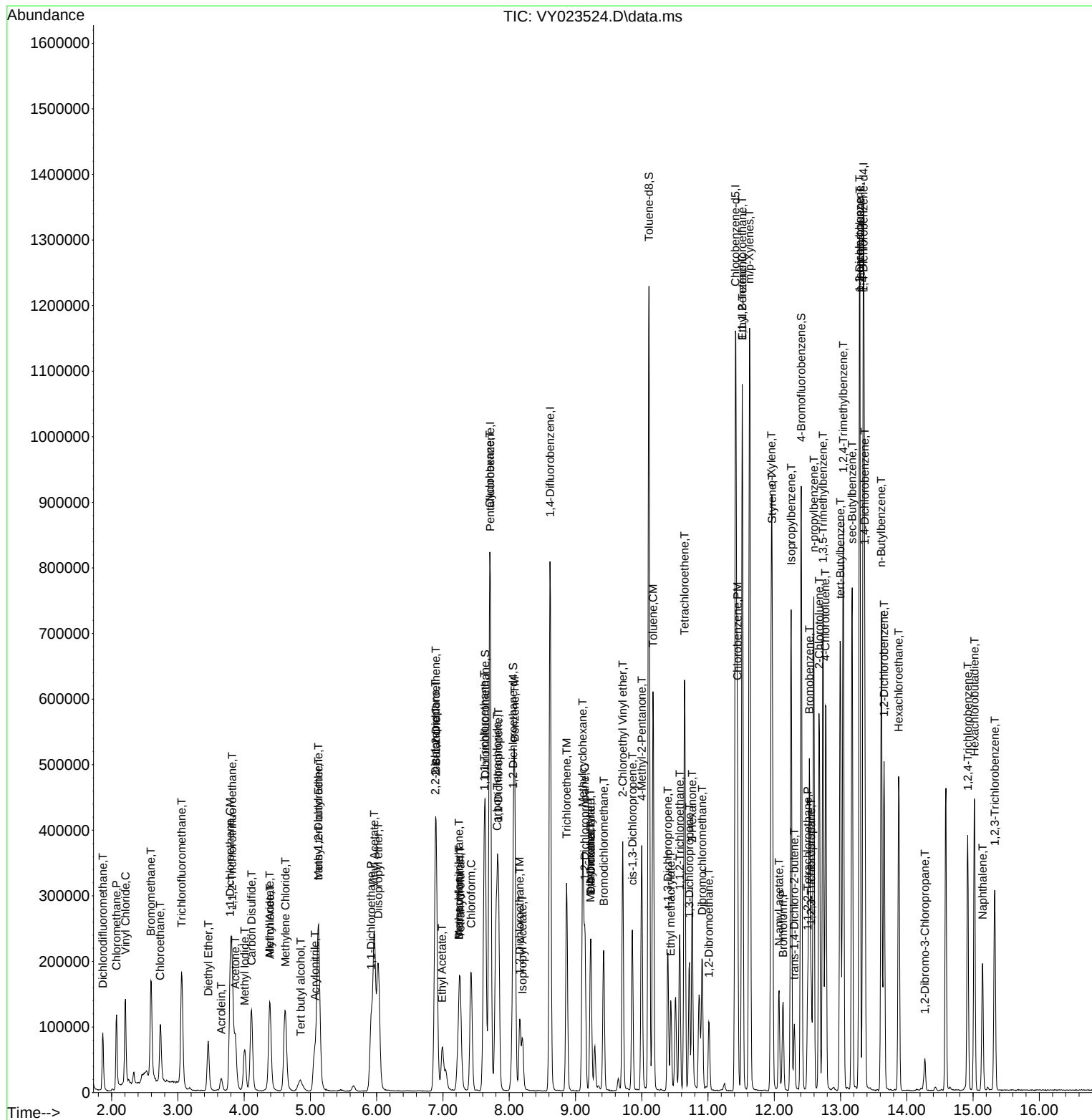
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023524.D
 Acq On : 21 Oct 2025 10:27
 Operator : SY/MD
 Sample : VY1021SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/Soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1021SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 01:22:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration



Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023384.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC005	VY023384.D	Methacrylonitrile	sam	10/10/2025 2:59:48 AM	MMdadoda	10/10/2025 4:37:28 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC010	VY023385.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:52 AM	MMdadoda	10/10/2025 4:37:33 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	1,2,3-Trichloropropane	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	2-Chloroethyl Vinyl ether	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICC020	VY023386.D	Methacrylonitrile	sam	10/10/2025 2:59:56 AM	MMdadoda	10/10/2025 4:37:37 AM	Peak Integrated by Software
VSTDICCC050	VY023387.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:01 AM	MMdadoda	10/10/2025 4:37:41 AM	Peak Integrated by Software
VSTDICC100	VY023388.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:05 AM	MMdadoda	10/10/2025 4:37:46 AM	Peak Integrated by Software
VSTDICC150	VY023389.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:09 AM	MMdadoda	10/10/2025 4:37:51 AM	Peak Integrated by Software
VSTDICV050	VY023391.D	1,2,3-Trichloropropane	sam	10/10/2025 3:00:14 AM	MMdadoda	10/10/2025 4:37:55 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VY100725	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	VY102125	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023521.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:55:48 AM	MMDadoda	10/27/2025 7:57:12 AM	Peak Integrated by Software
VY1021SBS01	VY023523.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:55:53 AM	MMDadoda	10/27/2025 7:57:16 AM	Peak Integrated by Software
VY1021SBS01	VY023523.D	Methacrylonitrile	Amit	10/24/2025 11:55:53 AM	MMDadoda	10/27/2025 7:57:16 AM	Peak Integrated by Software
VY1021SBSD0 1	VY023524.D	1,2,3-Trichloropropane	Amit	10/24/2025 11:55:57 AM	MMDadoda	10/27/2025 7:57:19 AM	Peak Integrated by Software
VY1021SBSD0 1	VY023524.D	Methacrylonitrile	Amit	10/24/2025 11:55:57 AM	MMDadoda	10/27/2025 7:57:19 AM	Peak Integrated by Software

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM		
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 4:38:02 AM		
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135766			
Initial Calibration Stds		VP135767,VP135768,VP135769,VP135770,VP135771,VP135772			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP135773			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023383.D	07 Oct 2025 08:43	SY/MD	Ok
2	VSTDIC005	VY023384.D	07 Oct 2025 09:17	SY/MD	Ok,M
3	VSTDIC010	VY023385.D	07 Oct 2025 10:02	SY/MD	Ok,M
4	VSTDIC020	VY023386.D	07 Oct 2025 11:24	SY/MD	Ok,M
5	VSTDIC050	VY023387.D	07 Oct 2025 11:47	SY/MD	Ok,M
6	VSTDIC100	VY023388.D	07 Oct 2025 12:09	SY/MD	Ok,M
7	VSTDIC150	VY023389.D	07 Oct 2025 12:32	SY/MD	Ok,M
8	VIBLK	VY023390.D	07 Oct 2025 13:02	SY/MD	Ok
9	VSTDICV050	VY023391.D	07 Oct 2025 14:12	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY102125

Review By	John Carlone	Review On	10/24/2025 2:07:04 PM		
Supervise By	Maresh Dadoda	Supervise On	10/27/2025 7:57:33 AM		
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135871			
CCC		VP135872,VP135873			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023520.D	21 Oct 2025 08:29	SY/MD	Ok
2	VSTDCCC050	VY023521.D	21 Oct 2025 09:05	SY/MD	Ok,M
3	VY1021SBL01	VY023522.D	21 Oct 2025 09:34	SY/MD	Ok
4	VY1021SBS01	VY023523.D	21 Oct 2025 10:04	SY/MD	Ok,M
5	VY1021SBSD01	VY023524.D	21 Oct 2025 10:27	SY/MD	Ok,M
6	Q3383-01	VY023525.D	21 Oct 2025 11:03	SY/MD	Ok
7	Q3382-01	VY023526.D	21 Oct 2025 11:26	SY/MD	Ok
8	Q3386-01RE	VY023527.D	21 Oct 2025 11:50	SY/MD	Confirms
9	Q3376-02	VY023528.D	21 Oct 2025 12:14	SY/MD	Ok
10	Q3393-03	VY023529.D	21 Oct 2025 12:38	SY/MD	Ok
11	Q3402-01	VY023530.D	21 Oct 2025 13:04	SY/MD	Ok
12	Q3402-04	VY023531.D	21 Oct 2025 13:48	SY/MD	Ok
13	Q3402-07	VY023532.D	21 Oct 2025 14:12	SY/MD	Ok
14	Q3402-10	VY023533.D	21 Oct 2025 14:35	SY/MD	Ok
15	Q3399-03	VY023534.D	21 Oct 2025 14:59	SY/MD	Ok
16	Q3410-02	VY023535.D	21 Oct 2025 15:22	SY/MD	Ok
17	Q3403-03	VY023536.D	21 Oct 2025 15:47	SY/MD	Ok
18	Q3406-01	VY023537.D	21 Oct 2025 16:10	SY/MD	Ok
19	Q3413-01	VY023538.D	21 Oct 2025 16:34	SY/MD	Not Ok
20	Q3412-03	VY023539.D	21 Oct 2025 16:57	SY/MD	Ok
21	Q3404-01	VY023540.D	21 Oct 2025 17:21	SY/MD	ReRun

Instrument ID: MSVOA_Y

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Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 7:57:33 AM		
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP135871				
CCC	VP135872,VP135873				
Internal Standard/PEM	VP133934				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3395-03MS	VY023541.D	21 Oct 2025 17:44	SY/MD	Not Ok
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M : Manual Integration

A
B
C
D
E
F
G
H
I
J

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:00:22 AM
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 4:38:02 AM
SubDirectory	VY100725	HP Acquire Method	MSVOA_Y HP Processing Method 82y100725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135766
Initial Calibration Stds	VP135767,VP135768,VP135769,VP135770,VP135771,VP135772
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135773
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023383.D	07 Oct 2025 08:43		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023384.D	07 Oct 2025 09:17		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023385.D	07 Oct 2025 10:02		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023386.D	07 Oct 2025 11:24		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023387.D	07 Oct 2025 11:47		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023388.D	07 Oct 2025 12:09		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023389.D	07 Oct 2025 12:32		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023390.D	07 Oct 2025 13:02		SY/MD	Ok
9	VSTDICV050	ICVVY100725	VY023391.D	07 Oct 2025 14:12		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY102125

Review By	John Carlone	Review On	10/24/2025 2:07:04 PM
Supervise By	Maresh Dadoda	Supervise On	10/27/2025 7:57:33 AM
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y HP Processing Method 82y100725s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135871		
CCC	VP135872,VP135873		
Internal Standard/PEM	VP133934		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023520.D	21 Oct 2025 08:29		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023521.D	21 Oct 2025 09:05		SY/MD	Ok,M
3	VY1021SBL01	VY1021SBL01	VY023522.D	21 Oct 2025 09:34		SY/MD	Ok
4	VY1021SBS01	VY1021SBS01	VY023523.D	21 Oct 2025 10:04		SY/MD	Ok,M
5	VY1021SBSD01	VY1021SBSD01	VY023524.D	21 Oct 2025 10:27		SY/MD	Ok,M
6	Q3383-01	OR-03-101725	VY023525.D	21 Oct 2025 11:03	vial-B	SY/MD	Ok
7	Q3382-01	CENTRAL-AVE-TP	VY023526.D	21 Oct 2025 11:26	vial-B Internal Standard Fail	SY/MD	Ok
8	Q3386-01RE	237RE	VY023527.D	21 Oct 2025 11:50	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q3376-02	PR132-DP01-20251016	VY023528.D	21 Oct 2025 12:14	vial-B	SY/MD	Ok
10	Q3393-03	PR132-S08-013038-20	VY023529.D	21 Oct 2025 12:38	vial-B	SY/MD	Ok
11	Q3402-01	41-LA	VY023530.D	21 Oct 2025 13:04	vial-A	SY/MD	Ok
12	Q3402-04	41-RA	VY023531.D	21 Oct 2025 13:48	vial-A	SY/MD	Ok
13	Q3402-07	41-LB	VY023532.D	21 Oct 2025 14:12	vial-A	SY/MD	Ok
14	Q3402-10	41-RB	VY023533.D	21 Oct 2025 14:35	vial-A	SY/MD	Ok
15	Q3399-03	COMP-ROLLOFF	VY023534.D	21 Oct 2025 14:59	vial-A	SY/MD	Ok
16	Q3410-02	VOC	VY023535.D	21 Oct 2025 15:22	vial-A	SY/MD	Ok
17	Q3403-03	MH-18-VOC	VY023536.D	21 Oct 2025 15:47	vial-A	SY/MD	Ok
18	Q3406-01	ARS20-0037	VY023537.D	21 Oct 2025 16:10	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

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Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 7:57:33 AM		
SubDirectory	VY102125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100725s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP135871				
CCC	VP135872,VP135873				
Internal Standard/PEM	VP133934				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3413-01	BP-VPB-184-GW-980-S	VY023538.D	21 Oct 2025 16:34	vial-A End CCC Missing	SY/MD	Not Ok
20	Q3412-03	TP-6-VOC	VY023539.D	21 Oct 2025 16:57	vial-A	SY/MD	Ok
21	Q3404-01	MOO-25-0285-0288	VY023540.D	21 Oct 2025 17:21	vial-A Internal standard fail	SY/MD	ReRun
22	Q3395-03MS	PR132-S07-000102-20	VY023541.D	21 Oct 2025 17:44	vial-B Internal Standard Fail	SY/MD	Not Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-03	COMP-ROLLOFF	SOIL	VOC-TCLVOA-10	8260D	10/20/25		10/21/25	10/20/25
Q3399-04	COMP-ROLLOFF	TCLP	TCLP VOA	8260D	10/20/25		10/24/25	10/20/25