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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FISAL

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1479

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q1479

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : G Environmental

Project Location :

Project Number : - Fisal

Laboratory Sample ID(s) : Q1479

Sampling Date(s) : 3/03/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☑ Yes ☐ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q1479

Project ID : Fisal

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1479-01	P5
Q1479-02	DSP2

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:04 pm, Mar 13, 2025

Date: 3/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Fisal
Project # N/A
Chemtech Project # Q1479
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 03/03/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group2 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y030425S.M) for Tert butyl alcohol is passing on Linear Regression.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature 

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1479

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

QA Review Signature: SOHIL JODHANI **Date:** 03/12/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1479

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**DSP2**								
Q1479-02	DSP2	SOIL	Benzene		1.80	J	0.53	3.70	ug/Kg
Q1479-02	DSP2	SOIL	Toluene		10.3		0.49	3.70	ug/Kg
Q1479-02	DSP2	SOIL	Ethyl Benzene		2.00	J	0.45	3.70	ug/Kg
Q1479-02	DSP2	SOIL	m/p-Xylenes		17.0		0.99	7.30	ug/Kg
Q1479-02	DSP2	SOIL	o-Xylene		4.20		0.51	3.70	ug/Kg
			Total Voc :		35.3				
Q1479-02	DSP2	SOIL	unknown8.213	*	6.90	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	9.50	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Dimethyl ether	*	70.1	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Boric acid, trimethyl ester	*	53.6	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1,3-difluoro-	*	14.7	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	7.80	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	o-Cymene	*	9.40	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1-methyl-3-(1-methyl	*	9.30	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1-ethyl-2-methyl-	*	6.30	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1-ethyl-3-methyl-	*	9.00	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	6.70	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	*	5.00	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1-methyl-3-propyl-	*	7.10	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	16.2	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	Benzene, 1-ethyl-4-(1-methylet	*	8.10	J	0	0	ug/Kg
Q1479-02	DSP2	SOIL	n-propylbenzene	*	1.10	J	0.47	3.70	ug/Kg
Q1479-02	DSP2	SOIL	1,3,5-Trimethylbenzene	*	10.4	J	0.47	3.70	ug/Kg
Q1479-02	DSP2	SOIL	1,2,4-Trimethylbenzene	*	19.2	J	1.00	3.70	ug/Kg
Q1479-02	DSP2	SOIL	Naphthalene	*	2.80	J	1.10	3.70	ug/Kg
			Total Tics :		273				
			Total Concentration:		309				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/03/25
Project:	Fisal	Date Received:	03/03/25
Client Sample ID:	P5	SDG No.:	Q1479
Lab Sample ID:	Q1479-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.7
Sample Wt/Vol:	6.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021433.D	1		03/06/25 14:39	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.00	U	1.00	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.30	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.30	ug/Kg
75-00-3	Chloroethane	0.87	U	0.87	4.30	ug/Kg
75-65-0	Tert butyl alcohol	13.4	U	13.4	21.5	ug/Kg
75-35-4	1,1-Dichloroethene	0.67	U	0.67	4.30	ug/Kg
67-64-1	Acetone	5.40	U	5.40	21.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.30	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	4.30	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	21.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.52	U	0.52	4.30	ug/Kg
67-66-3	Chloroform	0.58	U	0.58	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.67	U	0.67	4.30	ug/Kg
71-43-2	Benzene	0.62	U	0.62	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	4.30	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.57	U	0.57	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.48	U	0.48	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	21.5	ug/Kg
108-88-3	Toluene	0.58	U	0.58	4.30	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.72	U	0.72	4.30	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	21.5	ug/Kg
124-48-1	Dibromochloromethane	0.56	U	0.56	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	4.30	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/03/25
Project:	Fisal	Date Received:	03/03/25
Client Sample ID:	P5	SDG No.:	Q1479
Lab Sample ID:	Q1479-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.7
Sample Wt/Vol:	6.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021433.D	1		03/06/25 14:39	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.64	U	0.64	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.60	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	4.30	ug/Kg
100-42-5	Styrene	0.52	U	0.52	4.30	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.9		70 (63) - 130 (155)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		70 (38) - 130 (136)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	447000	8.616			
3114-55-4	Chlorobenzene-d5	384000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347			

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	03/03/25
Project:	Fisal	Date Received:	03/03/25
Client Sample ID:	DSP2	SDG No.:	Q1479
Lab Sample ID:	Q1479-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021456.D	1		03/07/25 13:18	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.70	ug/Kg
74-83-9	Bromomethane	0.76	U	0.76	3.70	ug/Kg
75-00-3	Chloroethane	0.74	U	0.74	3.70	ug/Kg
75-65-0	Tert butyl alcohol	11.4	U	11.4	18.3	ug/Kg
75-35-4	1,1-Dichloroethene	0.57	U	0.57	3.70	ug/Kg
67-64-1	Acetone	4.60	U	4.60	18.3	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.70	ug/Kg
75-09-2	Methylene Chloride	2.50	U	2.50	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.62	U	0.62	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.46	U	0.46	3.70	ug/Kg
78-93-3	2-Butanone	4.20	U	4.20	18.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.64	U	0.64	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.45	U	0.45	3.70	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.57	U	0.57	3.70	ug/Kg
71-43-2	Benzene	1.80	J	0.53	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.45	U	0.45	3.70	ug/Kg
79-01-6	Trichloroethene	0.55	U	0.55	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	18.3	ug/Kg
108-88-3	Toluene	10.3		0.49	3.70	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.62	U	0.62	3.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	18.3	ug/Kg
124-48-1	Dibromochloromethane	0.48	U	0.48	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	3.70	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/03/25
Project:	Fisal	Date Received:	03/03/25
Client Sample ID:	DSP2	SDG No.:	Q1479
Lab Sample ID:	Q1479-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021456.D	1		03/07/25 13:18	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.54	U	0.54	3.70	ug/Kg
100-41-4	Ethyl Benzene	2.00	J	0.45	3.70	ug/Kg
179601-23-1	m/p-Xylenes	17.0		0.99	7.30	ug/Kg
95-47-6	o-Xylene	4.20		0.51	3.70	ug/Kg
100-42-5	Styrene	0.44	U	0.44	3.70	ug/Kg
75-25-2	Bromoform	0.59	U	0.59	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.81	U	0.81	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.7		70 (63) - 130 (155)	79%	SPK: 50
1868-53-7	Dibromofluoromethane	36.3		70 (70) - 130 (134)	73%	SPK: 50
2037-26-5	Toluene-d8	46.7		70 (74) - 130 (123)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.4		70 (38) - 130 (136)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	338000	7.683			
540-36-3	1,4-Difluorobenzene	510000	8.603			
3114-55-4	Chlorobenzene-d5	400000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.353			
TENTATIVE IDENTIFIED COMPOUNDS						
000115-10-6	Dimethyl ether	70.1	J		2.00	ug/Kg
000121-43-7	Boric acid, trimethyl ester	53.6	J		6.38	ug/Kg
	unknown8.213	6.90	J		8.21	ug/Kg
000372-18-9	Benzene, 1,3-difluoro-	14.7	J		8.72	ug/Kg
103-65-1	n-propylbenzene	1.10	J		12.6	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	9.00	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	10.4	J		12.7	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	6.30	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	19.2	J		13.0	ug/Kg
001074-43-7	Benzene, 1-methyl-3-propyl-	7.10	J		13.5	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	16.2	J		13.6	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	6.70	J		13.8	ug/Kg
000527-84-4	o-Cymene	9.40	J		13.9	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	7.80	J		14.2	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/03/25
Project:	Fisal	Date Received:	03/03/25
Client Sample ID:	DSP2	SDG No.:	Q1479
Lab Sample ID:	Q1479-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.9
Sample Wt/Vol:	7.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021456.D	1		03/07/25 13:18	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	9.50	J		14.3	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	5.00	J		14.3	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	9.30	J		14.6	ug/Kg
004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	8.10	J		14.9	ug/Kg
91-20-3	Naphthalene	2.80	J		15.1	ug/Kg

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q1479

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1479-01	P5	1,2-Dichloroethane-d4	50	60.9	122	70 (63)	130 (155)
		Dibromofluoromethane	50	51.9	104	70 (70)	130 (134)
		Toluene-d8	50	48.4	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.2	80	70 (38)	130 (136)
Q1479-02	DSP2	1,2-Dichloroethane-d4	50	39.8	79	70 (63)	130 (155)
		Dibromofluoromethane	50	36.3	73	70 (70)	130 (134)
		Toluene-d8	50	46.7	93	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.4	75	70 (38)	130 (136)
VY0306SBL01	VY0306SBL01	1,2-Dichloroethane-d4	50	58.5	117	70 (63)	130 (155)
		Dibromofluoromethane	50	51.1	102	70 (70)	130 (134)
		Toluene-d8	50	48.6	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	43.6	87	70 (38)	130 (136)
VY0306SBS01	VY0306SBS01	1,2-Dichloroethane-d4	50	53.2	106	70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100	70 (70)	130 (134)
		Toluene-d8	50	49.5	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.8	102	70 (38)	130 (136)
VY0306SBSD01	VY0306SBSD01	1,2-Dichloroethane-d4	50	55.0	110	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.6	105	70 (38)	130 (136)
VY0307SBL01	VY0307SBL01	1,2-Dichloroethane-d4	50	55.4	111	70 (63)	130 (155)
		Dibromofluoromethane	50	50.2	100	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.1	80	70 (38)	130 (136)
VY0307SBS01	VY0307SBS01	1,2-Dichloroethane-d4	50	53.1	106	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	51.9	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102	70 (38)	130 (136)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1479

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021428.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0306SBS01	Chloromethane	20	20.3	ug/Kg	102			40 (70)	160 (130)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	20	21.8	ug/Kg	109			40 (58)	160 (141)	
	Chloroethane	20	21.0	ug/Kg	105			40 (69)	160 (130)	
	Tert butyl alcohol	100	95.8	ug/Kg	96			70 (24)	130 (175)	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	79.7	ug/Kg	80			40 (60)	160 (131)	
	Carbon disulfide	20	18.7	ug/Kg	94			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			70 (77)	130 (129)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	2-Butanone	100	93.5	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	18.5	ug/Kg	93			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Chloroform	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96			70 (80)	130 (126)	
	Benzene	20	19.4	ug/Kg	97			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.2	ug/Kg	96			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	98.1	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	Tetrachloroethene	20	18.3	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	18.6	ug/Kg	93			70 (84)	130 (122)	
	Ethyl Benzene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	m/p-Xylenes	40	36.6	ug/Kg	92			70 (83)	130 (124)	
	o-Xylene	20	18.2	ug/Kg	91			70 (83)	130 (123)	
	Styrene	20	18.6	ug/Kg	93			70 (82)	130 (124)	
	Bromoform	20	18.8	ug/Kg	94			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70 (77)	130 (127)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1479

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021429.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0306SBSD01	Chloromethane	20	20.8	ug/Kg	104	2		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	21.0	ug/Kg	105	5		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.9	ug/Kg	104	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	22.2	ug/Kg	111	6		40 (69)	160 (130)	30 (20)
	Tert butyl alcohol	100	110	ug/Kg	110	14		70 (24)	130 (175)	30 (20)
	1,1-Dichloroethene	20	20.1	ug/Kg	101	5		70 (79)	130 (121)	30 (20)
	Acetone	100	83.1	ug/Kg	83	4		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.5	ug/Kg	98	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	2		70 (77)	130 (129)	30 (20)
	Methylene Chloride	20	20.4	ug/Kg	102	5		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	5		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.5	ug/Kg	103	2		70 (82)	130 (123)	30 (20)
	2-Butanone	100	95.3	ug/Kg	95	1		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.7	ug/Kg	94	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101	2		70 (82)	130 (123)	30 (20)
	Chloroform	20	21.3	ug/Kg	106	5		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	4		70 (80)	130 (126)	30 (20)
	Benzene	20	19.9	ug/Kg	100	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.4	ug/Kg	102	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.0	ug/Kg	95	1		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.5	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.2	ug/Kg	101	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		40 (70)	160 (135)	30 (20)
	Toluene	20	19.7	ug/Kg	99	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	96.5	ug/Kg	97	1		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	0		70 (79)	130 (125)	30 (20)
	Tetrachloroethene	20	18.8	ug/Kg	94	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.2	ug/Kg	96	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	18.6	ug/Kg	93	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	37.8	ug/Kg	95	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	18.8	ug/Kg	94	3		70 (83)	130 (123)	30 (20)
	Styrene	20	19.5	ug/Kg	98	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.6	ug/Kg	98	4		70 (75)	130 (127)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	1		70 (77)	130 (127)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1479

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0307SBS01	Chloromethane	20	20.2	ug/Kg	101			40 (70)	160 (130)	
	Vinyl chloride	20	20.7	ug/Kg	104			70 (72)	130 (129)	
	Bromomethane	20	20.6	ug/Kg	103			40 (58)	160 (141)	
	Chloroethane	20	21.5	ug/Kg	108			40 (69)	160 (130)	
	Tert butyl alcohol	100	110	ug/Kg	110			70 (24)	130 (175)	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			70 (79)	130 (121)	
	Acetone	100	120	ug/Kg	120			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			70 (77)	130 (129)	
	Methylene Chloride	20	20.6	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (82)	130 (123)	
	Chloroform	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Benzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.4	ug/Kg	97			70 (79)	130 (125)	
	Tetrachloroethene	20	19.6	ug/Kg	98			70 (83)	130 (125)	
	Chlorobenzene	20	19.0	ug/Kg	95			70 (84)	130 (122)	
	Ethyl Benzene	20	19.1	ug/Kg	96			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.1	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.3	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			70 (77)	130 (127)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0306SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021427.D Lab Sample ID: VY0306SBL01

Date Analyzed: 03/06/2025 Time Analyzed: 11:59

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
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025
VY0306SBSD01	VY0306SBSD01	VY021429.D	03/06/2025
P5	Q1479-01	VY021433.D	03/06/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0307SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021452.D Lab Sample ID: VY0307SBL01

Date Analyzed: 03/07/2025 Time Analyzed: 10:35

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
VY0307SBS01	VY0307SBS01	VY021453.D	03/07/2025
DSP2	Q1479-02	VY021456.D	03/07/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021395.D BFB Injection Date: 03/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
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	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021425.D BFB Injection Date: 03/06/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:39

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	21.2
75	30.0 - 60.0% of mass 95	54
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 (1.1) 1
174	50.0 - 100.0% of mass 95	82.3
175	5.0 - 9.0% of mass 174	6.2 (7.5) 1
176	95.0 - 101.0% of mass 174	79.6 (96.8) 1
177	5.0 - 9.0% of mass 176	5.7 (7.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021426.D	03/06/2025	10:10
VY0306SBL01	VY0306SBL01	VY021427.D	03/06/2025	11:59
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025	12:33
VY0306SBSD01	VY0306SBSD01	VY021429.D	03/06/2025	12:55
P5	Q1479-01	VY021433.D	03/06/2025	14:39

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021450.D BFB Injection Date: 03/07/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:27

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	20.7
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.3 (1.6) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.7 (8.1) 1
176	95.0 - 101.0% of mass 174	77.6 (95) 1
177	5.0 - 9.0% of mass 176	5.3 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021451.D	03/07/2025	09:59
VY0307SBL01	VY0307SBL01	VY021452.D	03/07/2025	10:35
VY0307SBS01	VY0307SBS01	VY021453.D	03/07/2025	12:03
DSP2	Q1479-02	VY021456.D	03/07/2025	13:18

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021426.D Date Analyzed: 03/06/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:10

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	228274	7.71	348529	8.61	321426	11.41
UPPER LIMIT	456548	8.207	697058	9.11	642852	11.914
LOWER LIMIT	114137	7.207	174265	8.11	160713	10.914
EPA SAMPLE NO.						
P5	241090	7.71	446604	8.62	383601	11.41
VY0306SBL01	249443	7.71	460921	8.62	405928	11.42
VY0306SBS01	200172	7.71	318431	8.62	292608	11.42
VY0306SBSD01	197190	7.71	317024	8.62	284896	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021426.D Date Analyzed: 03/06/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:10

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

	IS4 AREA #	RT #				
12 HOUR STD	168733	13.346				
UPPER LIMIT	337466	13.846				
LOWER LIMIT	84366.5	12.846				
EPA SAMPLE NO.						
P5	133949	13.35				
VY0306SBL01	156000	13.35				
VY0306SBS01	152176	13.35				
VY0306SBSD01	145541	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021451.D Date Analyzed: 03/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:59

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	212653	7.71	324643	8.62	291936	11.42
UPPER LIMIT	425306	8.207	649286	9.116	583872	11.92
LOWER LIMIT	106327	7.207	162322	8.116	145968	10.92
EPA SAMPLE NO.						
DSP2	337523	7.68	510119	8.60	399863	11.43
VY0307SBL01	247432	7.71	455944	8.62	386511	11.42
VY0307SBS01	219868	7.71	343563	8.62	301562	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG NO.: Q1479

Lab File ID: VY021451.D Date Analyzed: 03/07/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:59

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

	IS4 AREA #	RT #				
12 HOUR STD	151541	13.353				
UPPER LIMIT	303082	13.853				
LOWER LIMIT	75770.5	12.853				
EPA SAMPLE NO.						
DSP2	147292	13.35				
VY0307SBL01	140975	13.35				
VY0307SBS01	152803	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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1479
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-65-0	Tert butyl alcohol	15.6	U	15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1479
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		70 (63) - 130 (155)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (38) - 130 (136)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.616			
3114-55-4	Chlorobenzene-d5	406000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1479
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-65-0	Tert butyl alcohol	15.6	U	15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1479
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		70 (38) - 130 (136)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	387000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.352			

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1479
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	20.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-65-0	Tert butyl alcohol	95.8		15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	79.7		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.67	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.63	5.00	ug/Kg
78-93-3	2-Butanone	93.5		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.61	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	5.00	ug/Kg
71-43-2	Benzene	19.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.2		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.1		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.65	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.3		0.89	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1479
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.2		0.70	5.00	ug/Kg
100-42-5	Styrene	18.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.81	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.10	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	7.707			
540-36-3	1,4-Difluorobenzene	318000	8.616			
3114-55-4	Chlorobenzene-d5	293000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0307SBS01	SDG No.:	Q1479
Lab Sample ID:	VY0307SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	20.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.00	5.00	ug/Kg
75-65-0	Tert butyl alcohol	110		15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	19.4		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.67	5.00	ug/Kg
75-09-2	Methylene Chloride	20.6		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.7		0.63	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.0		0.61	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
71-43-2	Benzene	19.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.6		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.4		0.65	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		0.89	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0307SBS01	SDG No.:	Q1479
Lab Sample ID:	VY0307SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	19.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.1		0.70	5.00	ug/Kg
100-42-5	Styrene	19.3		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.81	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.10	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	344000	8.616			
3114-55-4	Chlorobenzene-d5	302000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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J = Estimated Value
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1479
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
74-87-3	Chloromethane	20.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.2		1.00	5.00	ug/Kg
75-65-0	Tert butyl alcohol	110		15.6	25.0	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		0.78	5.00	ug/Kg
67-64-1	Acetone	83.1		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.67	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.63	5.00	ug/Kg
78-93-3	2-Butanone	95.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.61	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.78	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	96.5		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.65	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.8		0.89	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Fisal	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1479
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-90-7	Chlorobenzene	19.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	37.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.8		0.70	5.00	ug/Kg
100-42-5	Styrene	19.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.81	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.10	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (38) - 130 (136)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	7.707			
540-36-3	1,4-Difluorobenzene	317000	8.616			
3114-55-4	Chlorobenzene-d5	285000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.347			

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

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

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG No.: Q1479

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Tert butyl alcohol	0.049	0.036	0.038	0.030	0.033	0.061	0.041	28.3
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG No.: Q1479

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

* 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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG No.: Q1479

Instrument ID: MSVOA_Y Calibration Date/Time: 03/06/2025 10:10

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.647	0.644	0.1	-0.46	20
Vinyl Chloride	0.707	0.731		3.39	20
Bromomethane	0.511	0.498		-2.54	20
Chloroethane	0.467	0.503		7.71	20
Tert butyl alcohol	0.041	0.037		-9.76	20
1,1-Dichloroethene	0.514	0.484		-5.84	20
Acetone	0.115	0.095		-17.39	20
Carbon Disulfide	1.610	1.552		-3.6	20
Methyl tert-butyl Ether	1.302	1.385		6.38	20
Methylene Chloride	0.605	0.568		-6.12	20
trans-1,2-Dichloroethene	0.575	0.563		-2.09	20
1,1-Dichloroethane	1.056	1.061	0.1	0.47	20
2-Butanone	0.159	0.160		0.63	20
Carbon Tetrachloride	0.592	0.577		-2.53	20
cis-1,2-Dichloroethene	0.653	0.658		0.77	20
Chloroform	1.096	1.107		1	20
1,1,1-Trichloroethane	1.004	0.973		-3.09	20
Benzene	1.515	1.544		1.91	20
1,2-Dichloroethane	0.424	0.447		5.43	20
Trichloroethene	0.383	0.378		-1.3	20
1,2-Dichloropropane	0.361	0.373		3.32	20
Bromodichloromethane	0.533	0.559		4.88	20
4-Methyl-2-Pentanone	0.228	0.266		16.67	20
Toluene	0.955	0.975		2.09	20
t-1,3-Dichloropropene	0.470	0.512		8.94	20
cis-1,3-Dichloropropene	0.557	0.587		5.39	20
1,1,2-Trichloroethane	0.263	0.285		8.36	20
2-Hexanone	0.151	0.180		19.2	20
Dibromochloromethane	0.360	0.391		8.61	20
Tetrachloroethene	0.407	0.384		-5.65	20
Chlorobenzene	1.181	1.160	0.3	-1.78	20
Ethyl Benzene	2.072	2.064		-0.39	20
m/p-Xylenes	0.787	0.784		-0.38	20
o-Xylene	0.725	0.733		1.1	20
Styrene	1.203	1.259		4.66	20
Bromoform	0.233	0.247	0.1	6.01	20
1,1,2,2-Tetrachloroethane	0.695	0.694	0.3	-0.14	20
1,2-Dichloroethane-d4	0.528	0.564		6.82	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG No.: Q1479

Instrument ID: MSVOA_Y Calibration Date/Time: 03/06/2025 10:10

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.329	0.349		6.08	20
Toluene-d8	1.244	1.310		5.3	20
4-Bromofluorobenzene	0.423	0.469		10.88	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG No.: Q1479

Instrument ID: MSVOA_Y Calibration Date/Time: 03/07/2025 09:59

Lab File ID: VY021451.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.647	0.662	0.1	2.32	20
Vinyl Chloride	0.707	0.776		9.76	20
Bromomethane	0.511	0.511		0	20
Chloroethane	0.467	0.546		16.92	20
Tert butyl alcohol	0.041	0.030		-26.83	20
1,1-Dichloroethene	0.514	0.513		-0.19	20
Acetone	0.115	0.121		5.22	20
Carbon Disulfide	1.610	1.632		1.37	20
Methyl tert-butyl Ether	1.302	1.304		0.15	20
Methylene Chloride	0.605	0.575		-4.96	20
trans-1,2-Dichloroethene	0.575	0.587		2.09	20
1,1-Dichloroethane	1.056	1.095	0.1	3.69	20
2-Butanone	0.159	0.163		2.52	20
Carbon Tetrachloride	0.592	0.617		4.22	20
cis-1,2-Dichloroethene	0.653	0.675		3.37	20
Chloroform	1.096	1.152		5.11	20
1,1,1-Trichloroethane	1.004	1.033		2.89	20
Benzene	1.515	1.595		5.28	20
1,2-Dichloroethane	0.424	0.448		5.66	20
Trichloroethene	0.383	0.395		3.13	20
1,2-Dichloropropane	0.361	0.384		6.37	20
Bromodichloromethane	0.533	0.567		6.38	20
4-Methyl-2-Pentanone	0.228	0.236		3.51	20
Toluene	0.955	1.025		7.33	20
t-1,3-Dichloropropene	0.470	0.503		7.02	20
cis-1,3-Dichloropropene	0.557	0.592		6.28	20
1,1,2-Trichloroethane	0.263	0.278		5.7	20
2-Hexanone	0.151	0.163		7.95	20
Dibromochloromethane	0.360	0.381		5.83	20
Tetrachloroethene	0.407	0.413		1.47	20
Chlorobenzene	1.181	1.219	0.3	3.22	20
Ethyl Benzene	2.072	2.220		7.14	20
m/p-Xylenes	0.787	0.846		7.5	20
o-Xylene	0.725	0.771		6.34	20
Styrene	1.203	1.319		9.64	20
Bromoform	0.233	0.240	0.1	3	20
1,1,2,2-Tetrachloroethane	0.695	0.681	0.3	-2.01	20
1,2-Dichloroethane-d4	0.528	0.557		5.49	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1479 SAS No.: Q1479 SDG No.: Q1479

Instrument ID: MSVOA_Y Calibration Date/Time: 03/07/2025 09:59

Lab File ID: VY021451.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.329	0.352		6.99	20
Toluene-d8	1.244	1.351		8.6	20
4-Bromofluorobenzene	0.423	0.461		8.98	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\VY030625\
Data File : VY021433.D
Acq On : 06 Mar 2025 14:39
Operator : SY/MD
Sample : Q1479-01
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Mar 07 00:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	133949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155216	60.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.820%			
35) Dibromofluoromethane	7.634	113	152381	51.908	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.820%			
50) Toluene-d8	10.109	98	538113	48.413	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.820%			
62) 4-Bromofluorobenzene	12.408	95	151896	40.175	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.340%			

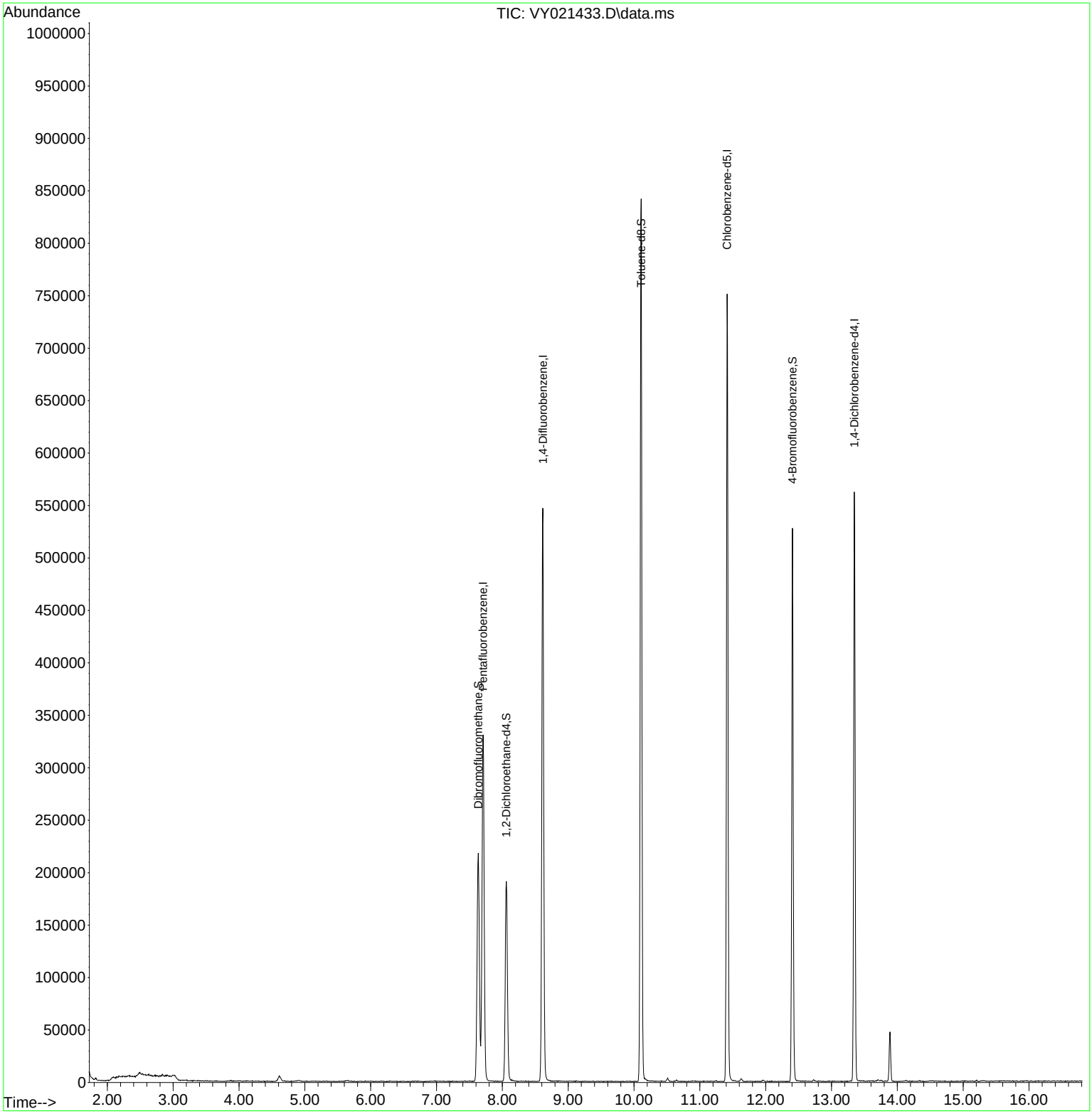
Target Compounds Qvalue

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

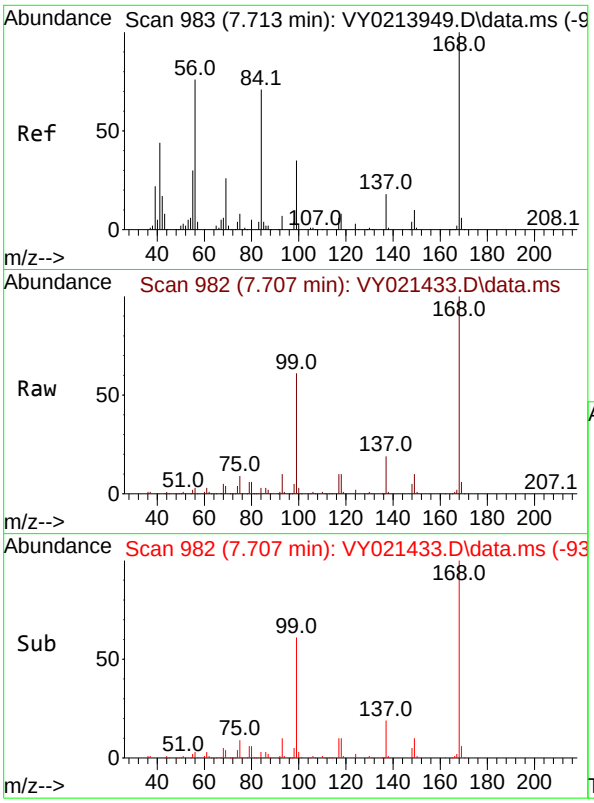
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021433.D
Acq On : 06 Mar 2025 14:39
Operator : SY/MD
Sample : Q1479-01
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Mar 07 00:40:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



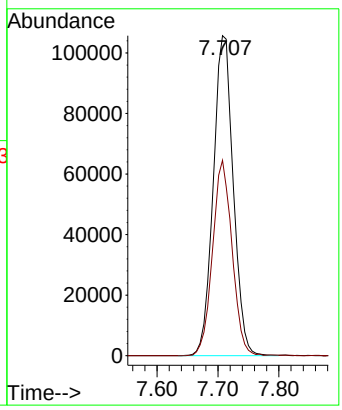
Instrument :
MSVOA_Y
ClientSampleId :
P5

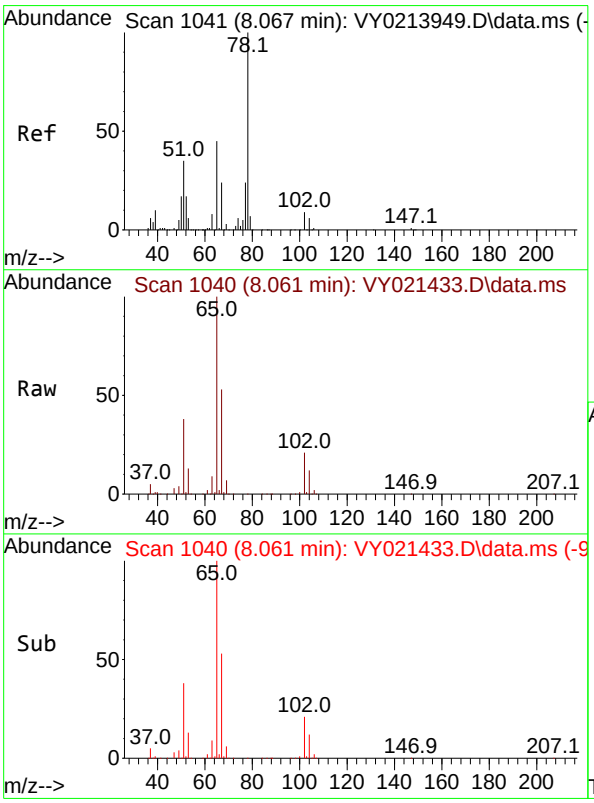


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion:168 Resp: 241090

Ion	Ratio	Lower	Upper
168	100		
99	61.1	46.0	69.0

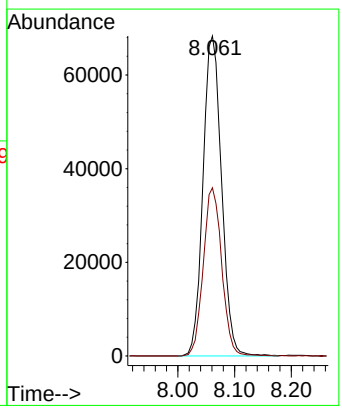


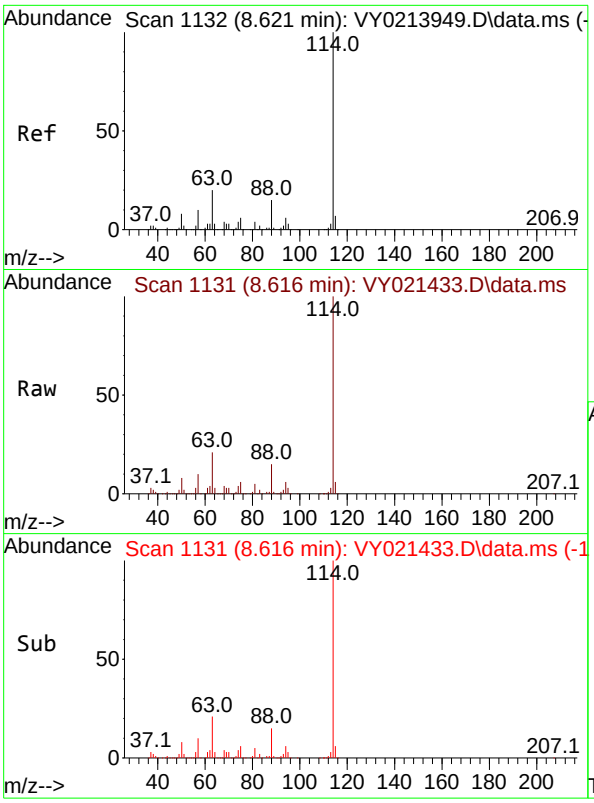


#33
1,2-Dichloroethane-d4
Concen: 60.913 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion: 65 Resp: 155216

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.8



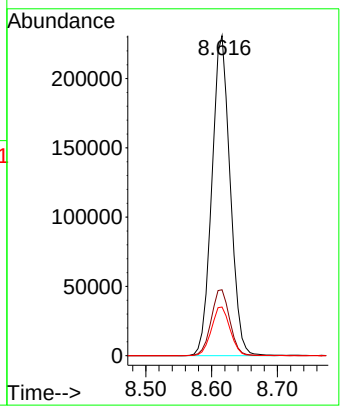


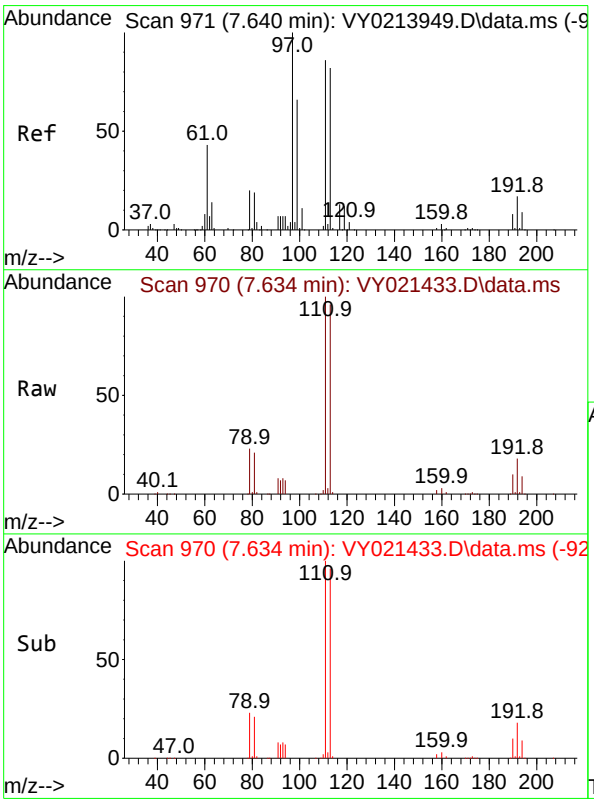
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:114 Resp: 446604

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	15.2	0.0	30.8

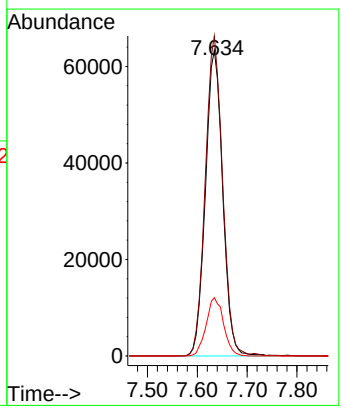


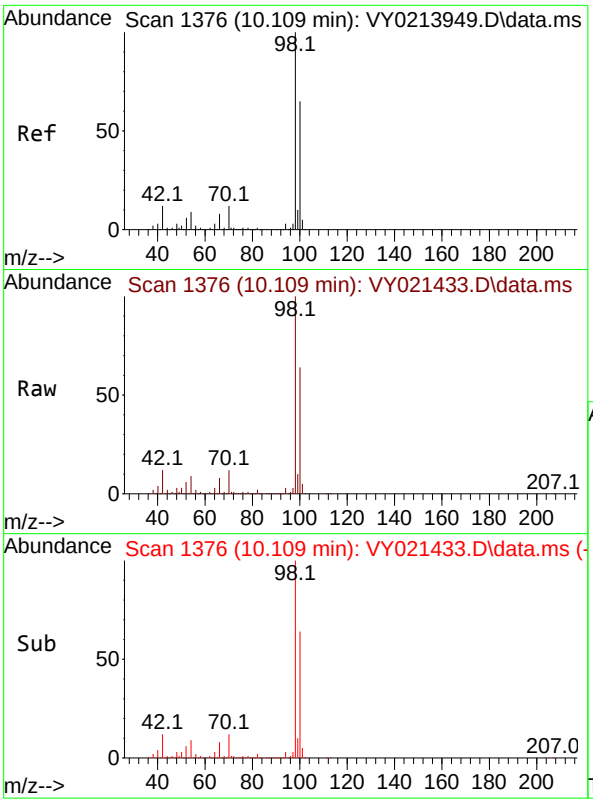


#35
Dibromofluoromethane
Concen: 51.908 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion:113 Resp: 152381

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	19.3	15.9	23.9



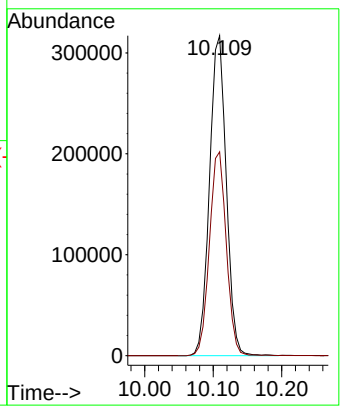


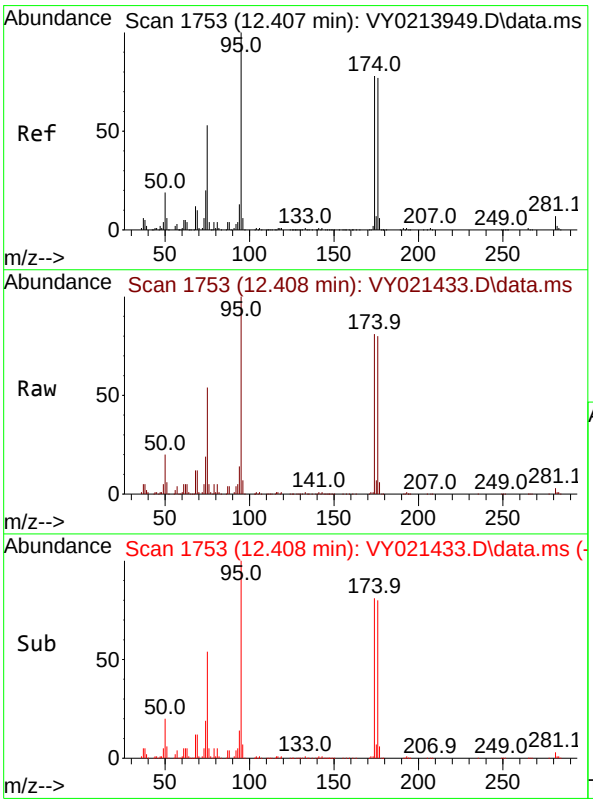
#50
Toluene-d8
Concen: 48.413 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion: 98 Resp: 538113

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

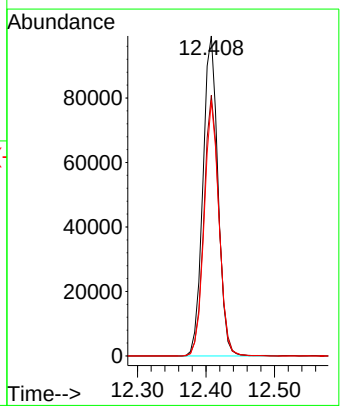


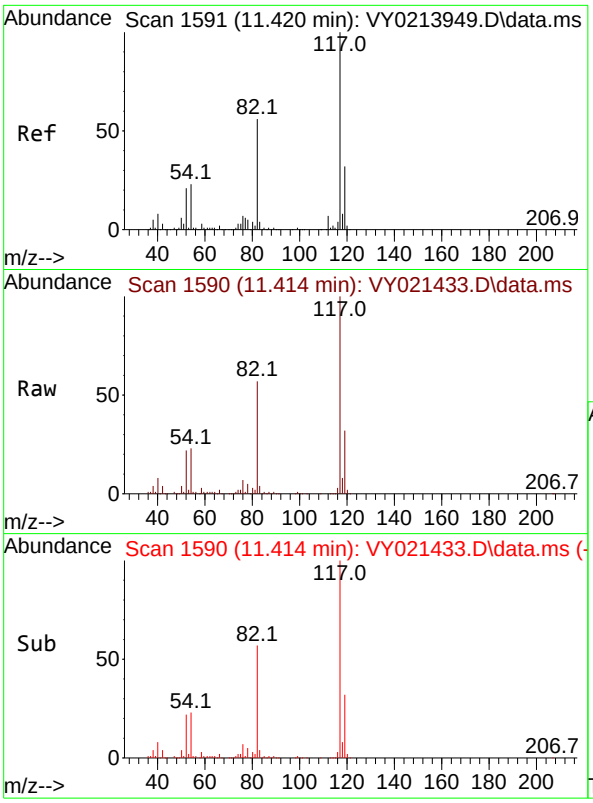


#62
4-Bromofluorobenzene
Concen: 40.175 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion: 95 Resp: 151896

Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	165.0
176	78.2	0.0	160.0



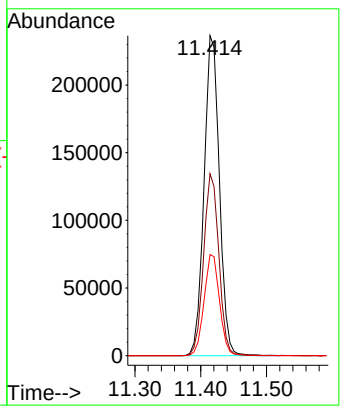


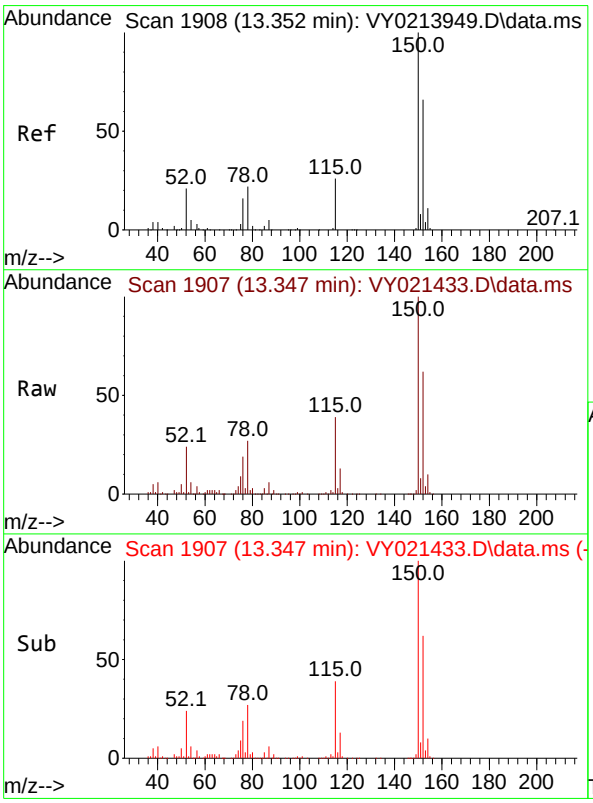
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:117 Resp: 383601

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	31.6	25.4	38.0

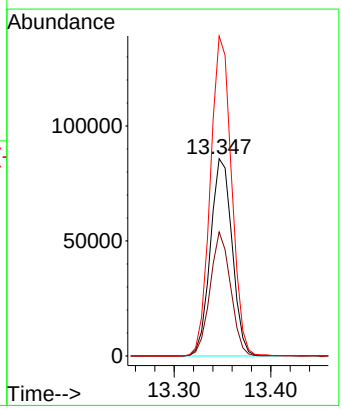




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021433.D
Acq: 06 Mar 2025 14:39

Tgt Ion:152 Resp: 133949

Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.0	87.0
150	158.4	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021433.D
Acq On : 06 Mar 2025 14:39
Operator : SY/MD
Sample : Q1479-01
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021433.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	959	970	976	rBV	217635	527727	36.26%	7.309%
2	7.707	976	982	996	rVB	329985	749048	51.47%	10.374%
3	8.061	1031	1040	1052	rBV	190583	437620	30.07%	6.061%
4	8.616	1122	1131	1144	rBV	546173	1075945	73.94%	14.901%
5	10.109	1366	1376	1386	rBV	841565	1455242	100.00%	20.154%
6	11.414	1582	1590	1605	rBV	750904	1221468	83.94%	16.917%
7	12.408	1745	1753	1763	rBV	527533	826304	56.78%	11.444%
8	13.347	1901	1907	1919	rVB	561530	852871	58.61%	11.812%
9	13.889	1989	1996	2003	rVB2	47199	74341	5.11%	1.030%

Sum of corrected areas: 7220566

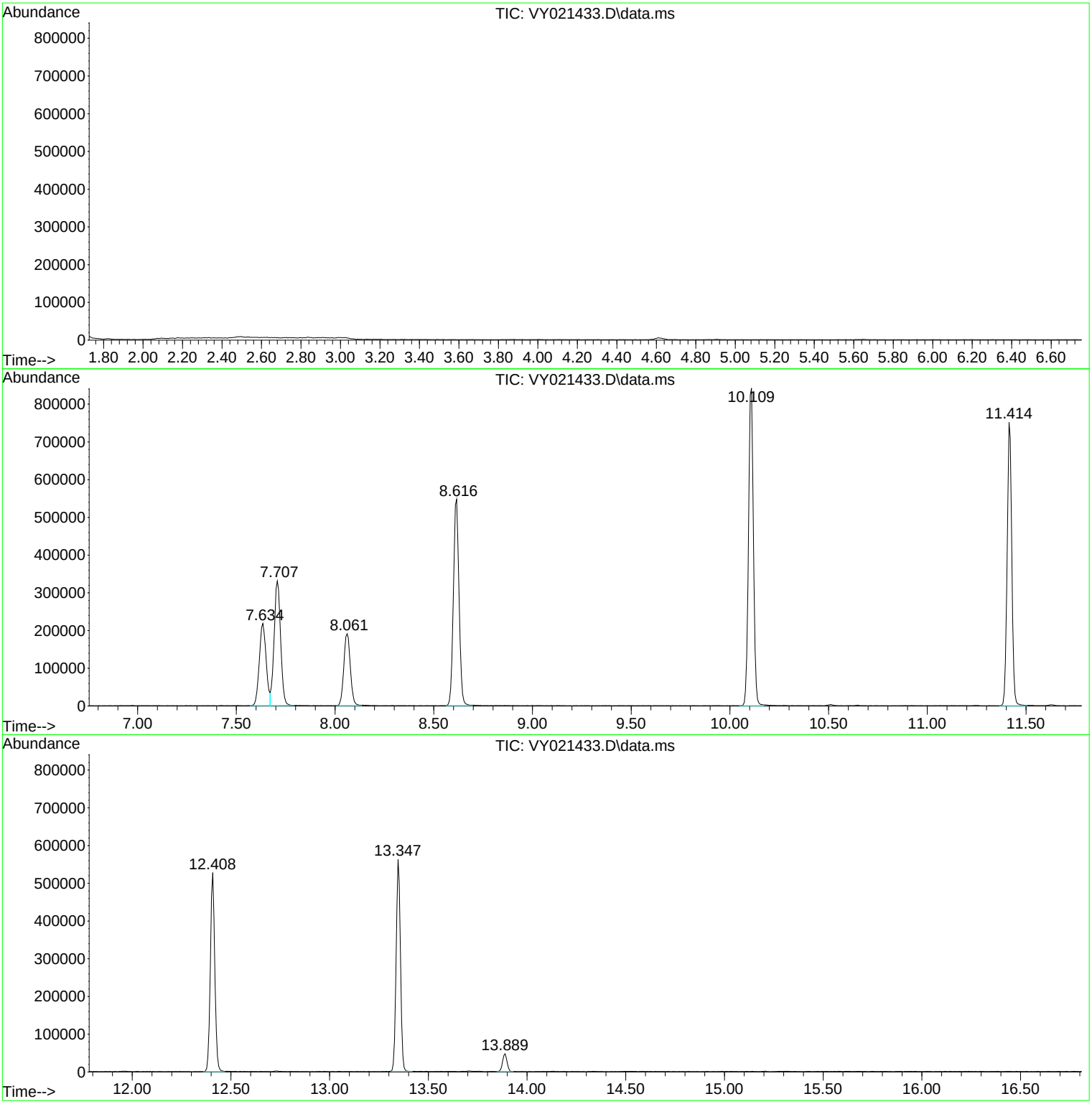
Sample Results: **VY021433.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021433.D
Acq On : 06 Mar 2025 14:39
Operator : SY/MD
Sample : Q1479-01
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021433.D
Acq On : 06 Mar 2025 14:39
Operator : SY/MD
Sample : Q1479-01
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021433.D
Acq On : 06 Mar 2025 14:39
Operator : SY/MD
Sample : Q1479-01
Misc : 6.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 22:00:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.683	168	337523m	50.000	ug/l	-0.03
34) 1,4-Difluorobenzene	8.603	114	510119m	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.426	117	399863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	147292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	141790m	39.746	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 79.500%			
35) Dibromofluoromethane	7.628	113	121829m	36.333	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 72.660%			
50) Toluene-d8	10.103	98	592793m	46.692	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.380%			
62) 4-Bromofluorobenzene	12.414	95	161622	37.425	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.840%			
Target Compounds						Qvalue
40) Benzene	8.055	78	37754	2.442	ug/l	97
52) Toluene	10.170	92	137343m	14.090	ug/l	
67) Ethyl Benzene	11.530	91	45890	2.769	ug/l	96
68) m/p-Xylenes	11.633	106	146257	23.244	ug/l	98
69) o-Xylene	11.963	106	32895	5.672	ug/l	100
78) n-propylbenzene	12.603	91	21286	1.511	ug/l	96
80) 1,3,5-Trimethylbenzene	12.743	105	134024	14.214	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	244921	26.162	ug/l	99
95) Naphthalene	15.145	128	9527	3.827	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 22:00:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations APPROVED

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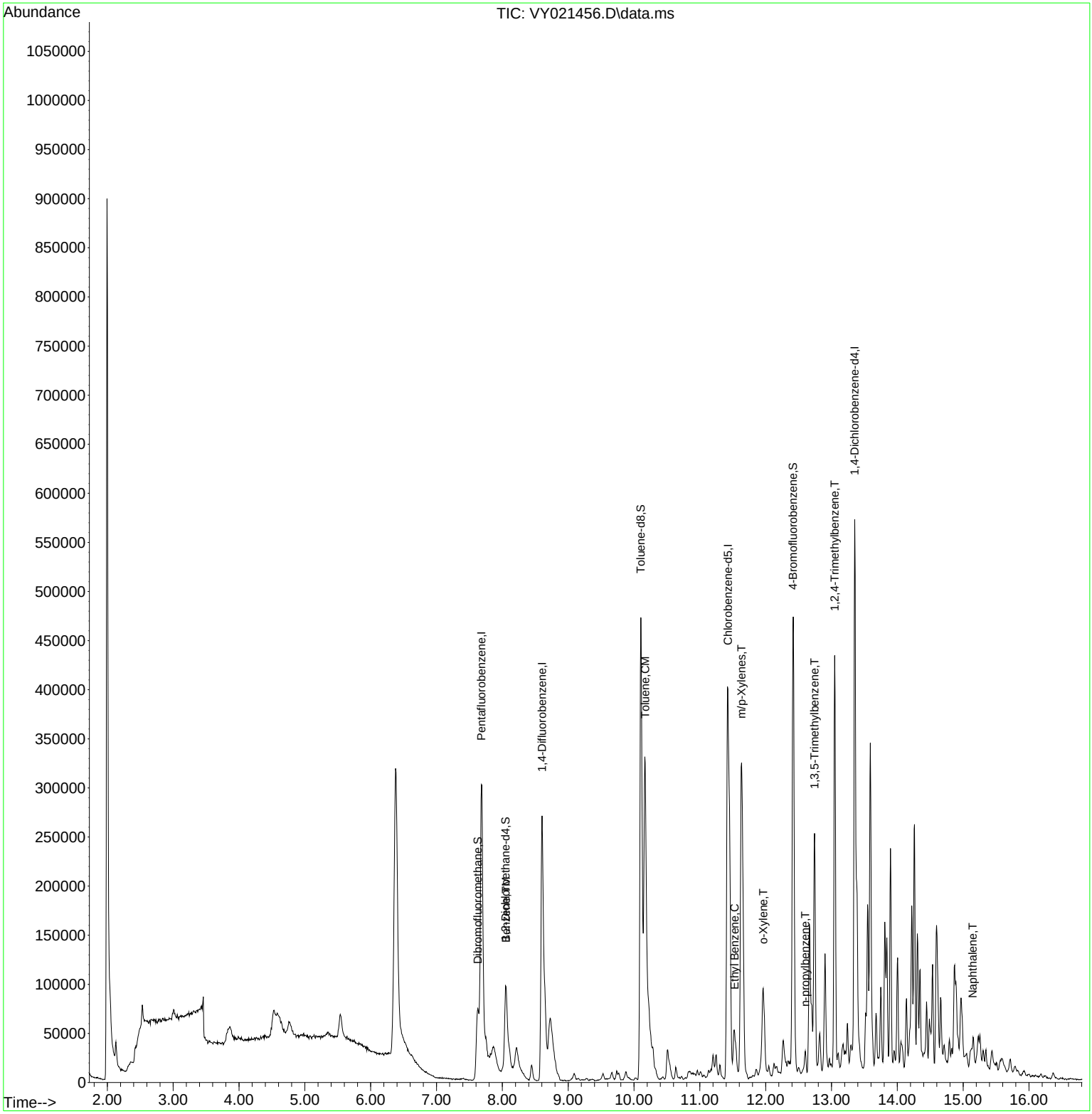

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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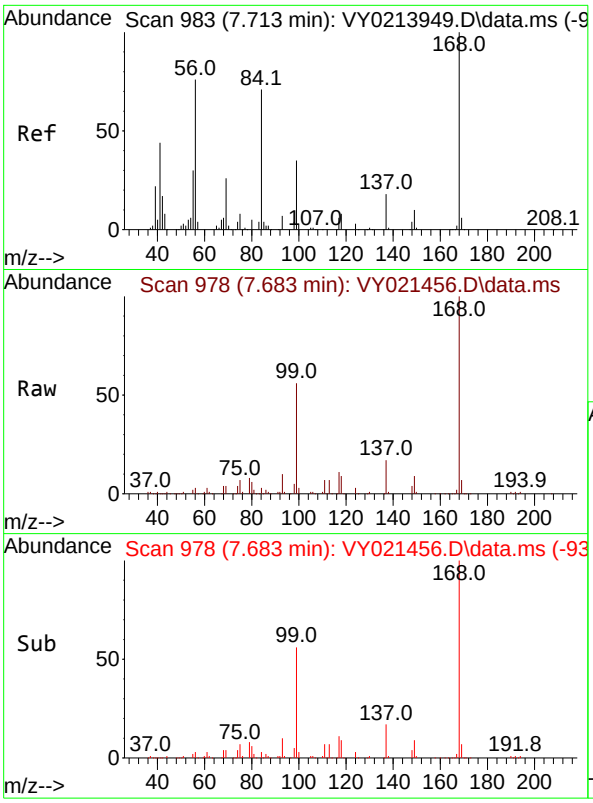
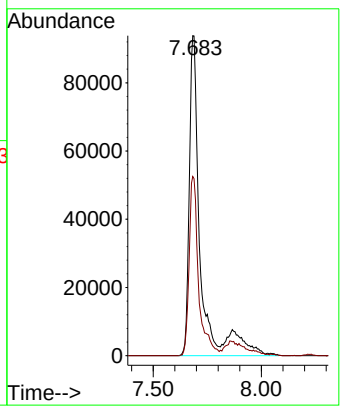
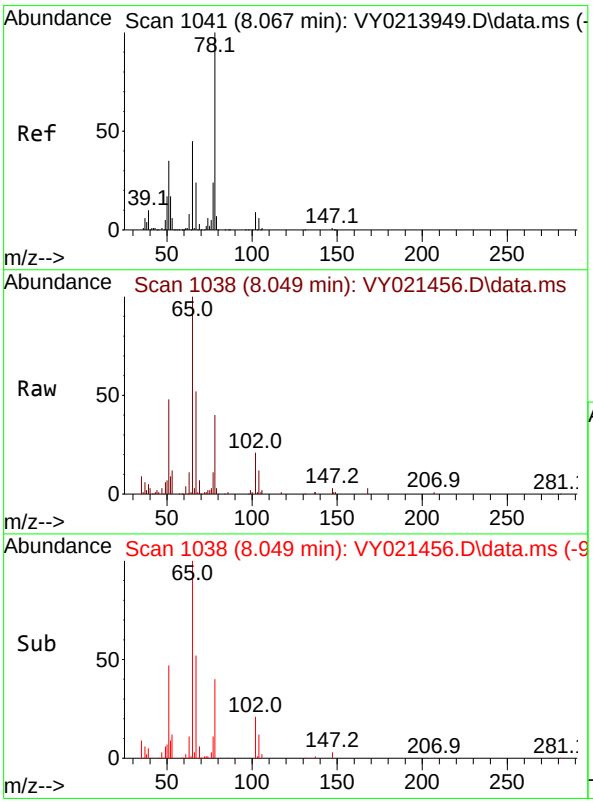


#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 7.683 min Scan# 9
Delta R.T. -0.030 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:168 Resp: 33752

Ion	Ratio	Lower	Upper
168	100		
99	56.0	46.0	69.0

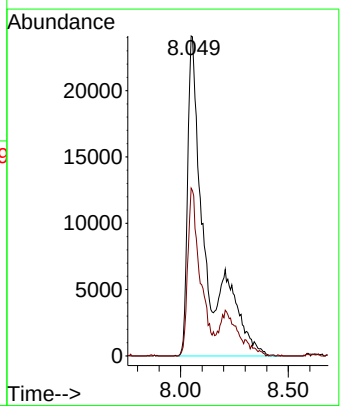


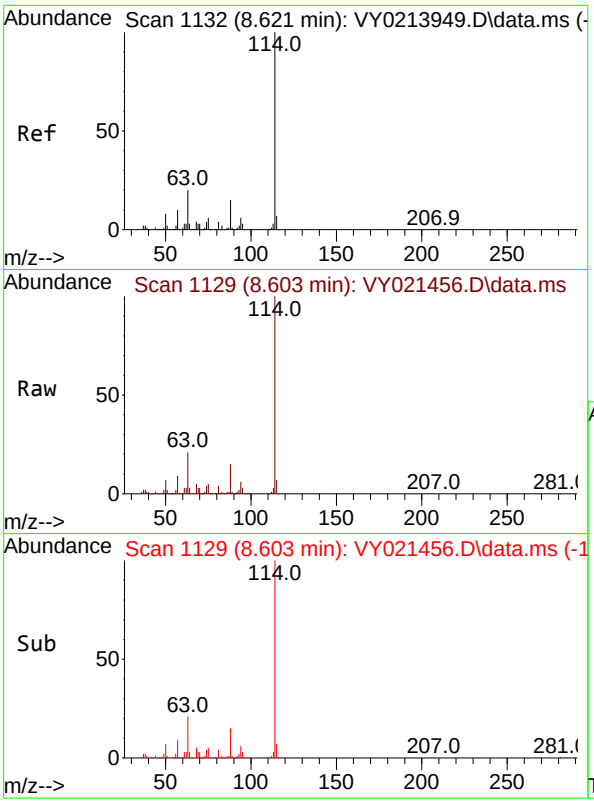


#33
1,2-Dichloroethane-d4
Concen: 39.746 ug/l m
RT: 8.049 min Scan# 1038
Delta R.T. -0.018 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 65 Resp: 141790

Ion	Ratio	Lower	Upper
65	100		
67	35.4	0.0	102.8

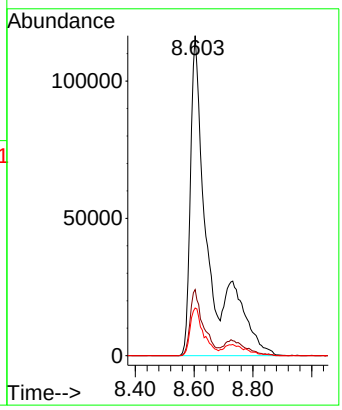




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l m
RT: 8.603 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:114 Resp: 51011

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.9	0.0	30.8



Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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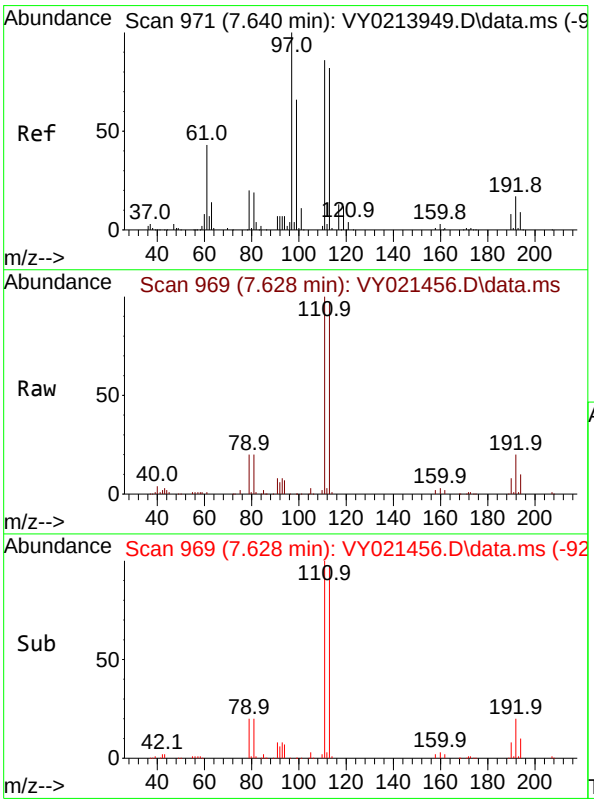
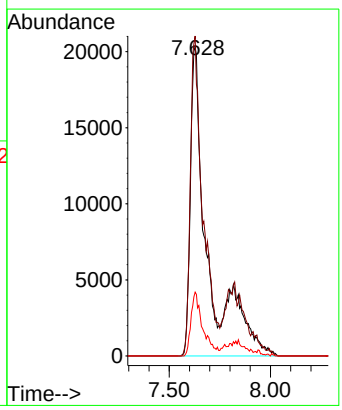
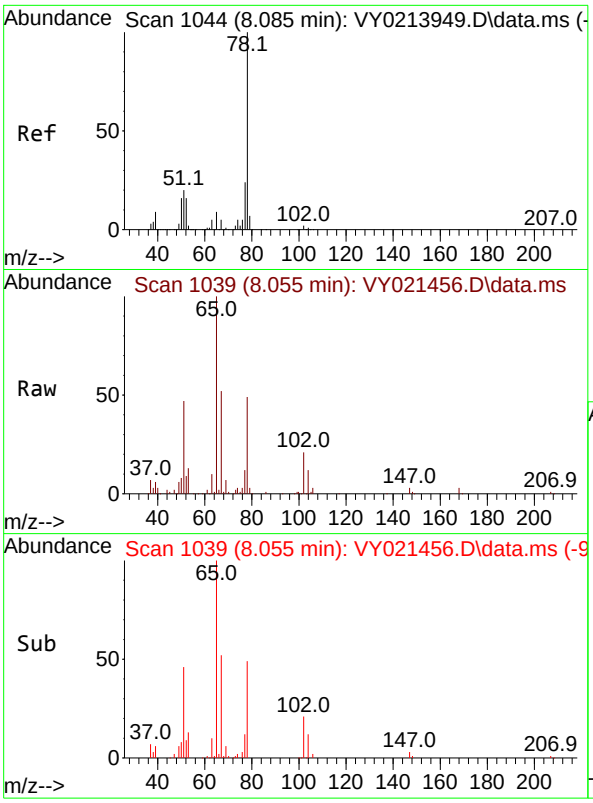


#35
Dibromofluoromethane
Concen: 36.333 ug/l m
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:113 Resp: 121829

Ion	Ratio	Lower	Upper
113	100		
111	74.5	82.0	123.0#
192	14.2	15.9	23.9#





#40
Benzene
Concen: 2.442 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.030 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 78 Resp: 3775

Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.0	28.4

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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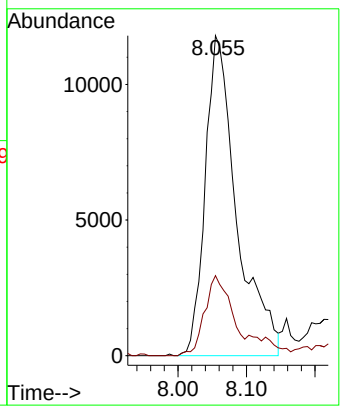
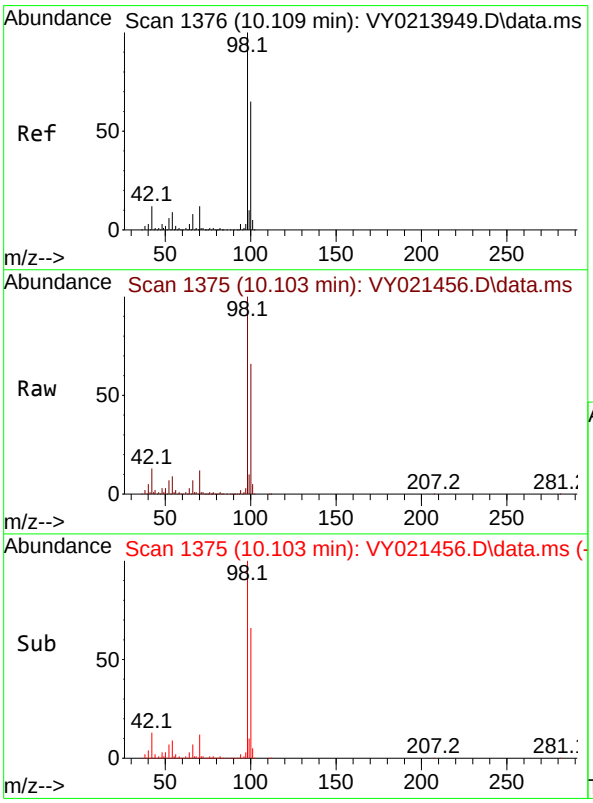
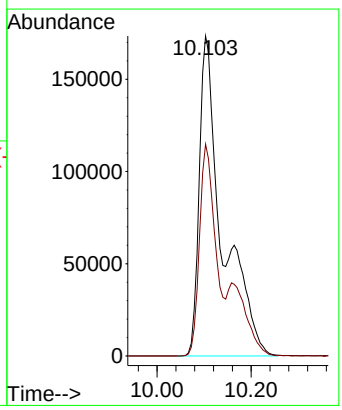


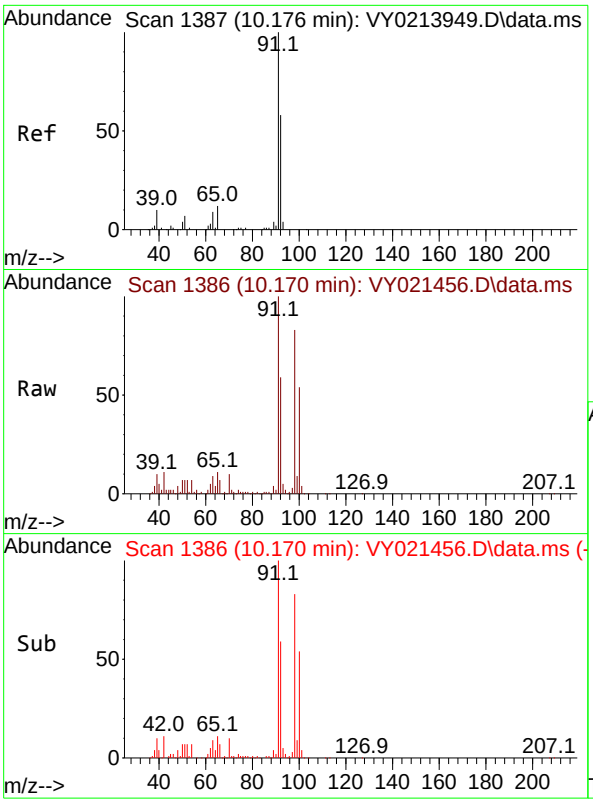


#50
Toluene-d8
Concen: 46.692 ug/l m
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 98 Resp: 592793

Ion	Ratio	Lower	Upper
98	100		
100	46.6	52.1	78.1#





#52
Toluene
Concen: 14.090 ug/l m
RT: 10.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 92 Resp: 13734

Ion	Ratio	Lower	Upper
92	100		
91	122.7	138.2	207.2

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

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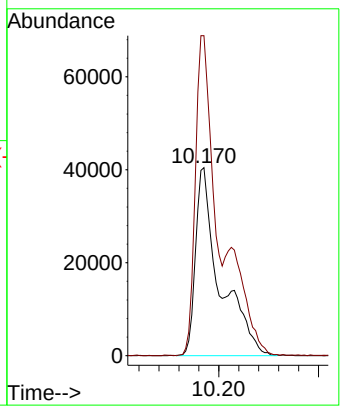
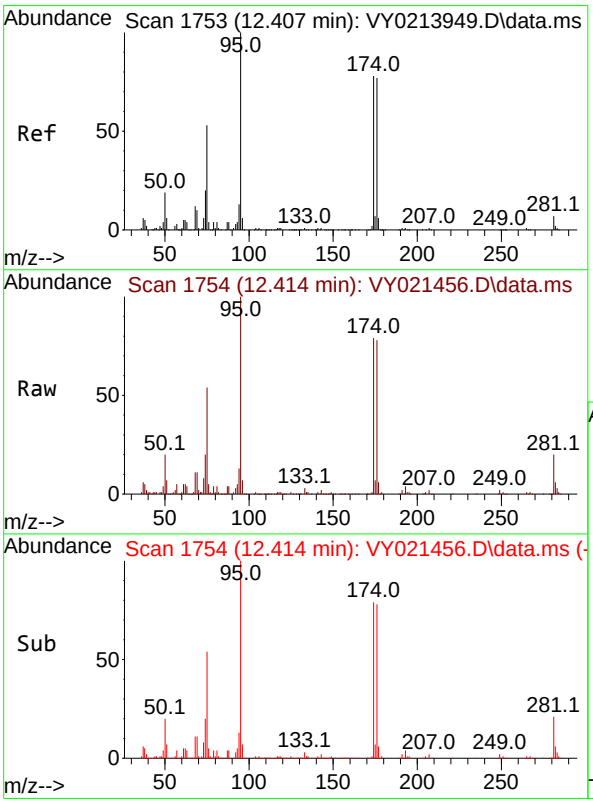
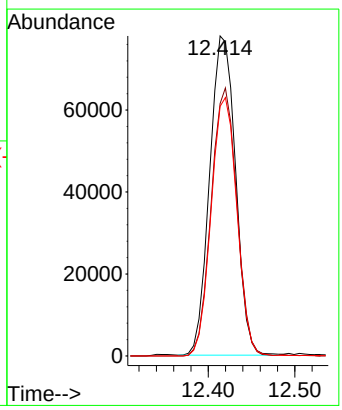


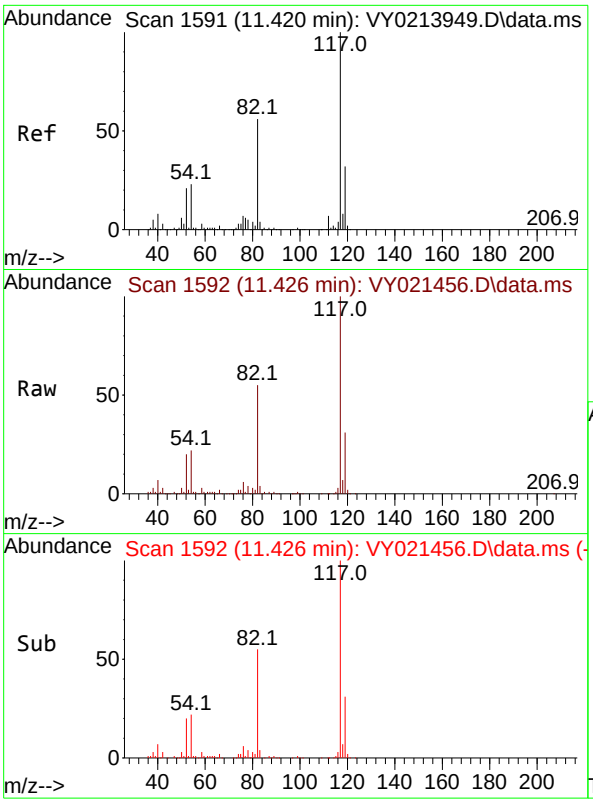


#62
4-Bromofluorobenzene
Concen: 37.425 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 95 Resp: 161622

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	165.0
176	80.7	0.0	160.0

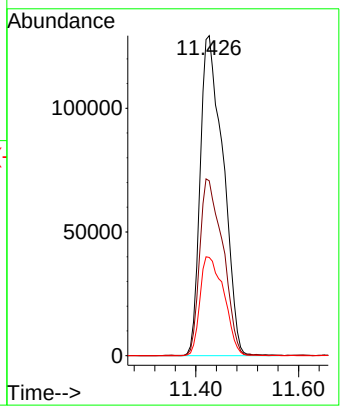




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:117 Resp: 39986

Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.6	67.0
119	30.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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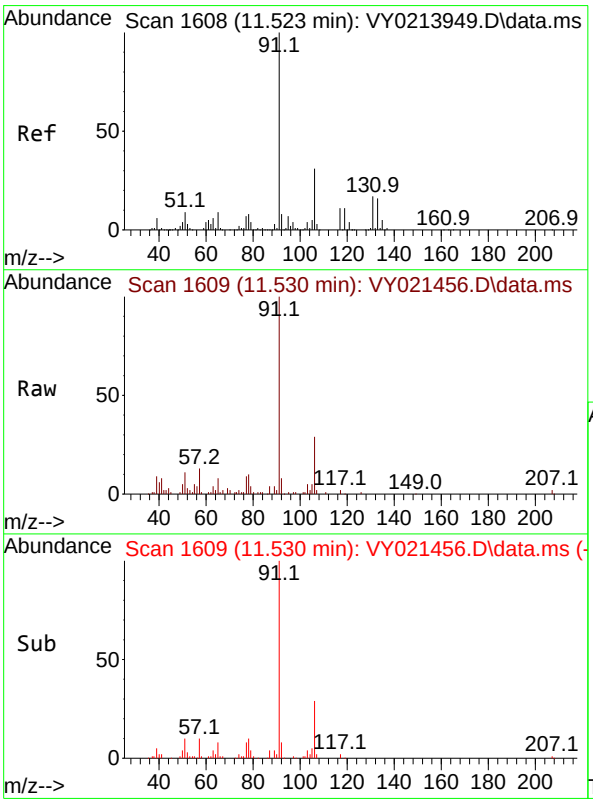
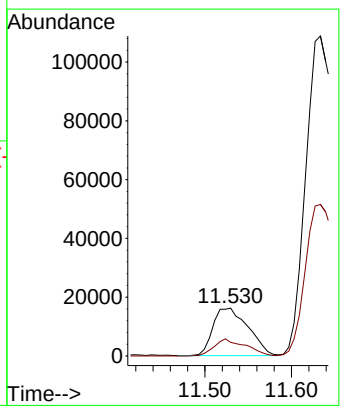
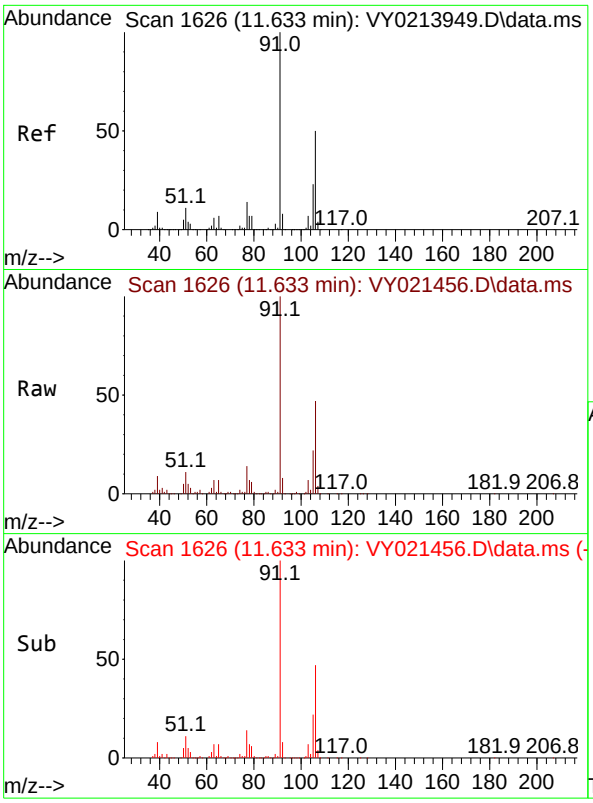


#67
Ethyl Benzene
Concen: 2.769 ug/l
RT: 11.530 min Scan# 1609
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion: 91 Resp: 45890

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.6	36.8





#68
m/p-Xylenes
Concen: 23.244 ug/l
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:106 Resp: 14625

Ion	Ratio	Lower	Upper
106	100		
91	204.5	161.7	242.5

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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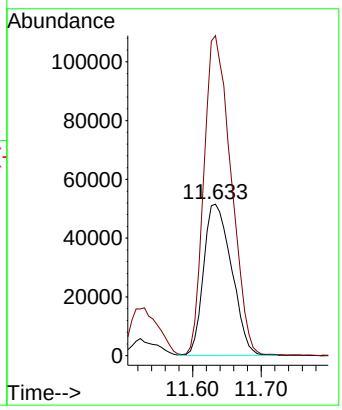
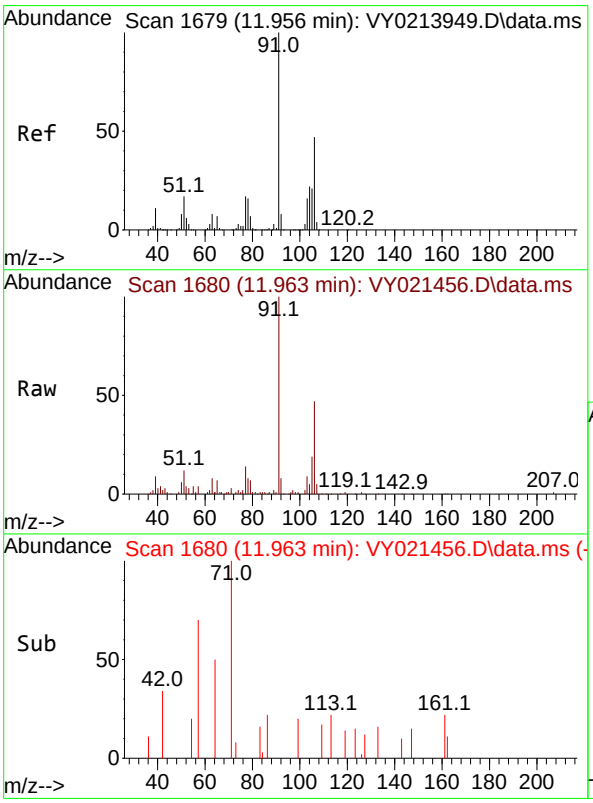
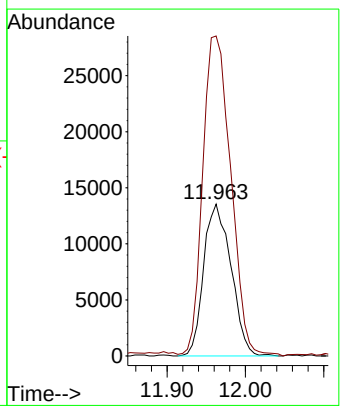


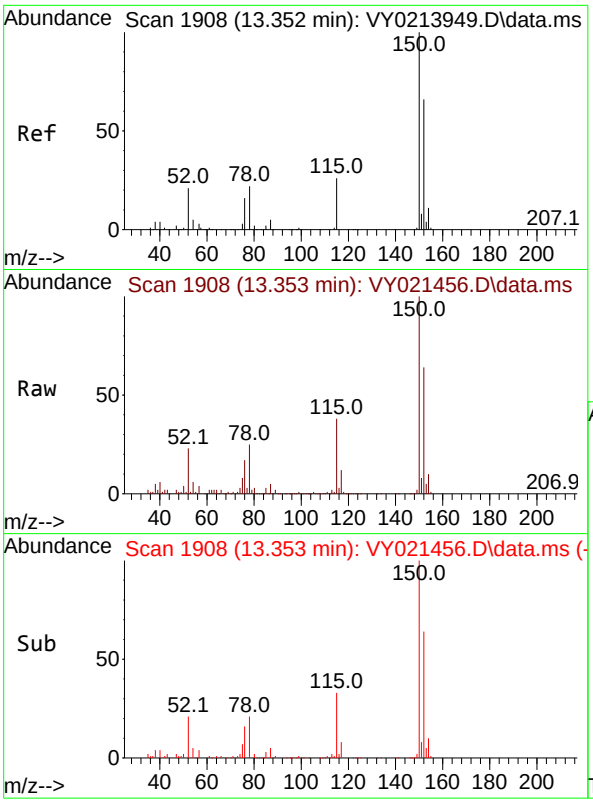


#69
o-Xylene
Concen: 5.672 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:106 Resp: 32895

Ion	Ratio	Lower	Upper
106	100		
91	216.0	107.6	322.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:152 Resp: 14729

Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.0	87.0
150	155.5	0.0	347.2

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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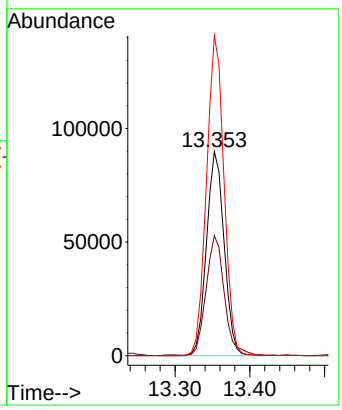
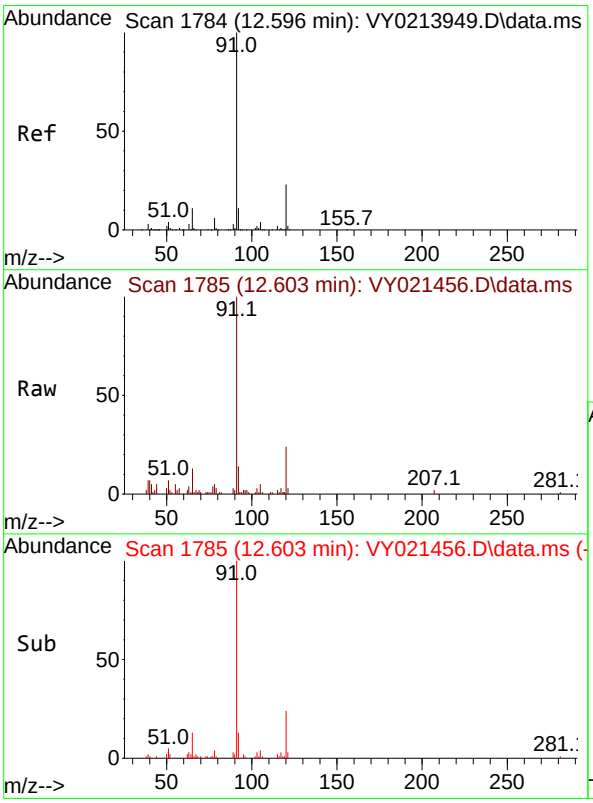
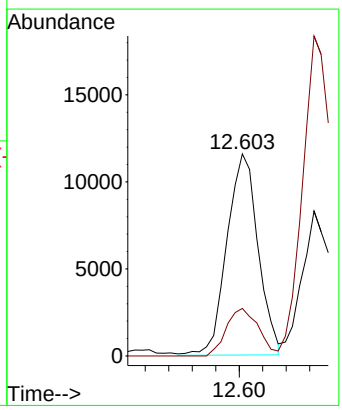


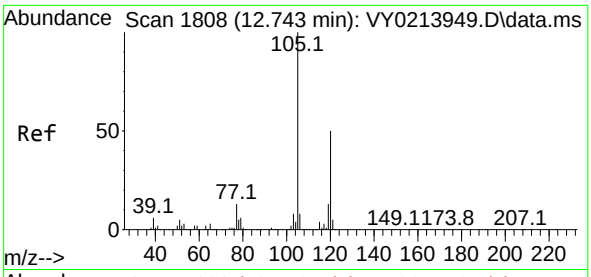


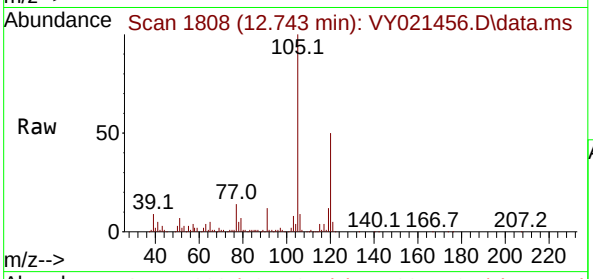
#78
n-propylbenzene
Concen: 1.511 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

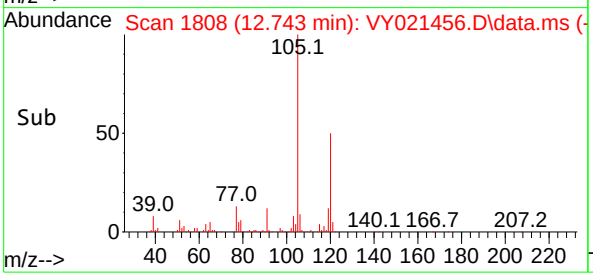
Tgt Ion: 91 Resp: 21286

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.3	33.8









#80
1,3,5-Trimethylbenzene
Concen: 14.214 ug/l
RT: 12.743 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:105 Resp: 13402

Ion	Ratio	Lower	Upper
105	100		
120	50.7	24.6	73.6

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
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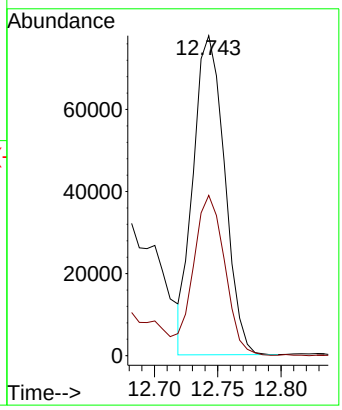
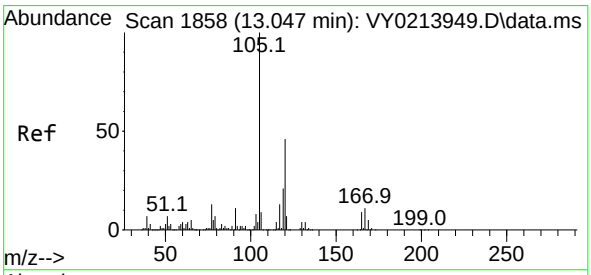
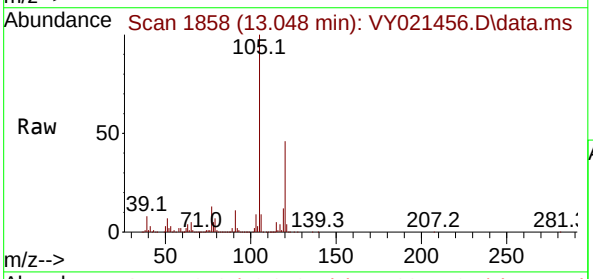
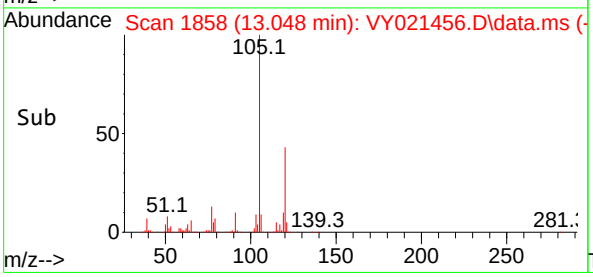
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025





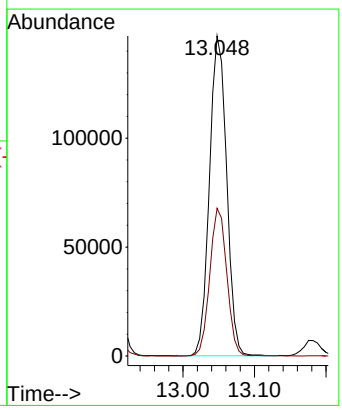


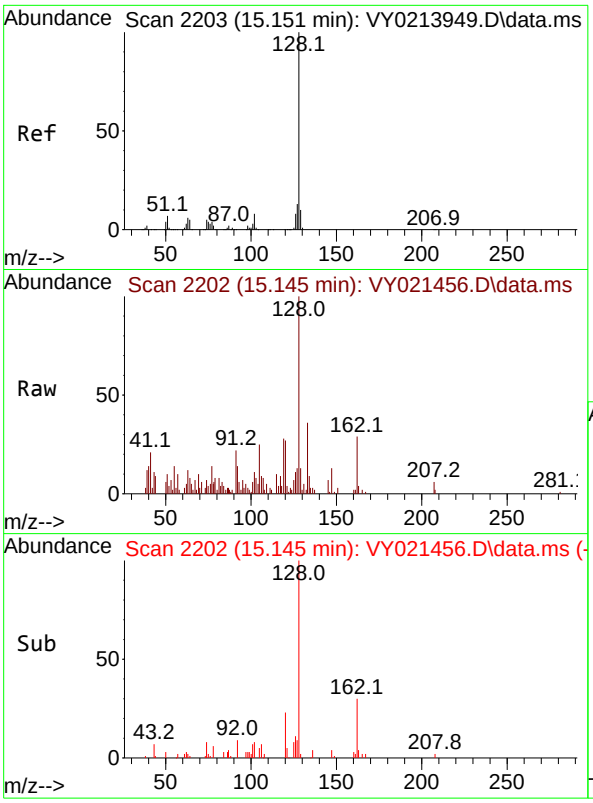


#84
1,2,4-Trimethylbenzene
Concen: 26.162 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:105 Resp: 244921

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.1

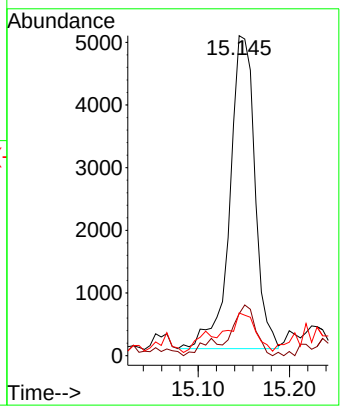




#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY021456.D
Acq: 07 Mar 2025 13:18

Tgt Ion:128 Resp: 952

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	12.5	8.6	13.0



Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021456.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.995	40	45	64	rBV	896819	1597862	100.00%	8.162%
2	2.129	64	67	79	rVB	30251	68164	4.27%	0.348%
3	2.355	95	104	108	rBV5	7287	24085	1.51%	0.123%
4	2.434	111	117	118	rBV2	16836	29755	1.86%	0.152%
5	2.531	130	133	138	rBV	20036	29607	1.85%	0.151%
6	6.378	753	764	802	rVB2	292146	1220448	76.38%	6.234%
7	7.628	955	969	972	rBV2	73086	206487	12.92%	1.055%
8	7.683	972	978	994	rVB	282399	835646	52.30%	4.269%
9	8.049	1029	1038	1055	rBV3	85730	296574	18.56%	1.515%
10	8.213	1060	1065	1097	rVB5	33215	162578	10.17%	0.830%
11	8.445	1097	1103	1115	rVB2	15793	37027	2.32%	0.189%
12	8.603	1119	1129	1142	rBV	269596	864615	54.11%	4.417%
13	8.725	1142	1149	1174	rVB	63211	346118	21.66%	1.768%
14	9.530	1270	1281	1286	rBV6	6860	16267	1.02%	0.083%
15	9.878	1331	1338	1352	rBV4	8411	23654	1.48%	0.121%
16	10.103	1367	1375	1381	rBV	470584	1120695	70.14%	5.725%
17	10.164	1381	1385	1404	rVB2	306728	932748	58.37%	4.765%
18	10.512	1434	1442	1456	rBV2	29932	94855	5.94%	0.485%
19	10.634	1456	1462	1469	rBV5	12128	21929	1.37%	0.112%
20	11.200	1551	1555	1559	rVV3	22732	46071	2.88%	0.235%
21	11.249	1559	1563	1568	rVV2	23010	43149	2.70%	0.220%
22	11.304	1568	1572	1583	rVB	14303	28172	1.76%	0.144%
23	11.420	1583	1591	1603	rBV	399467	1278910	80.04%	6.533%
24	11.524	1603	1608	1618	rVV3	49378	154636	9.68%	0.790%
25	11.633	1618	1626	1643	rVB	322060	935988	58.58%	4.781%
26	11.963	1667	1680	1691	rBV	88063	261029	16.34%	1.333%
27	12.127	1702	1707	1710	rBV4	12327	23034	1.44%	0.118%
28	12.267	1724	1730	1739	rBV7	33298	95331	5.97%	0.487%
29	12.420	1747	1755	1765	rVB2	462965	972052	60.83%	4.965%
30	12.603	1776	1785	1789	rBV	21674	40319	2.52%	0.206%
31	12.664	1789	1795	1800	rBV	151138	315591	19.75%	1.612%
32	12.743	1803	1808	1814	rVV	238393	433189	27.11%	2.213%
33	12.822	1816	1821	1827	rVB2	38239	70888	4.44%	0.362%
34	12.901	1827	1834	1842	rBV	119324	219894	13.76%	1.123%
35	13.048	1852	1858	1864	rBV	418978	696386	43.58%	3.557%
36	13.103	1864	1867	1871	rVB3	14755	21880	1.37%	0.112%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

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\82Y030425S.M
Title : SW846 8260

37	13.176	1872	1879	1882	rBV3	23139	53691	3.36%	0.274%
38	13.243	1886	1890	1894	rVB2	40319	59809	3.74%	0.306%
39	13.298	1894	1899	1901	rBV3	18189	31838	1.99%	0.163%
40	13.353	1902	1908	1929	rVB2	559008	1282210	80.25%	6.550%
41	13.517	1930	1935	1937	rBV	55645	85094	5.33%	0.435%
42	13.548	1937	1940	1943	rVV2	158004	247747	15.50%	1.266%
43	13.590	1943	1947	1956	rVB2	328040	565853	35.41%	2.890%
44	13.676	1956	1961	1966	rBV4	52811	87563	5.48%	0.447%
45	13.749	1968	1973	1978	rVB	76241	109352	6.84%	0.559%
46	13.810	1978	1983	1986	rBV	142795	236031	14.77%	1.206%
47	13.840	1986	1988	1992	rVV	121279	139756	8.75%	0.714%
48	13.895	1992	1997	2003	rVB	218068	329723	20.64%	1.684%
49	13.950	2003	2006	2009	rBV4	11988	16349	1.02%	0.084%
50	14.005	2009	2015	2019	rVB2	106510	164131	10.27%	0.838%
51	14.054	2019	2023	2031	rVB7	26091	66670	4.17%	0.341%
52	14.139	2031	2037	2041	rBV2	69990	115892	7.25%	0.592%
53	14.218	2041	2050	2053	rBV2	153175	271289	16.98%	1.386%
54	14.261	2053	2057	2061	rVV	232250	332146	20.79%	1.697%
55	14.304	2061	2064	2068	rVV2	120416	173144	10.84%	0.884%
56	14.346	2068	2071	2075	rVB	83336	105056	6.57%	0.537%
57	14.444	2083	2087	2091	rVB	57957	76372	4.78%	0.390%
58	14.486	2091	2094	2098	rBV2	40474	72702	4.55%	0.371%
59	14.535	2098	2102	2107	rVB2	100604	148770	9.31%	0.760%
60	14.596	2107	2112	2119	rBV3	140454	324804	20.33%	1.659%
61	14.657	2119	2122	2128	rVV	61451	94987	5.94%	0.485%
62	14.712	2128	2131	2139	rVB3	17846	30046	1.88%	0.153%
63	14.791	2139	2144	2147	rBV2	23420	35466	2.22%	0.181%
64	14.871	2151	2157	2168	rVV3	93625	283269	17.73%	1.447%
65	14.968	2168	2173	2180	rVB3	59958	138678	8.68%	0.708%
66	15.151	2192	2203	2209	rBV7	30020	93663	5.86%	0.478%
67	15.230	2209	2216	2218	rVV2	30577	63546	3.98%	0.325%
68	15.255	2218	2220	2225	rVV4	31430	45481	2.85%	0.232%
69	15.303	2225	2228	2232	rVV6	15508	25205	1.58%	0.129%
70	15.346	2232	2235	2244	rVB8	19593	32444	2.03%	0.166%
71	15.438	2244	2250	2257	rBV5	18790	46717	2.92%	0.239%
72	15.718	2291	2296	2302	rVB3	13276	25243	1.58%	0.129%

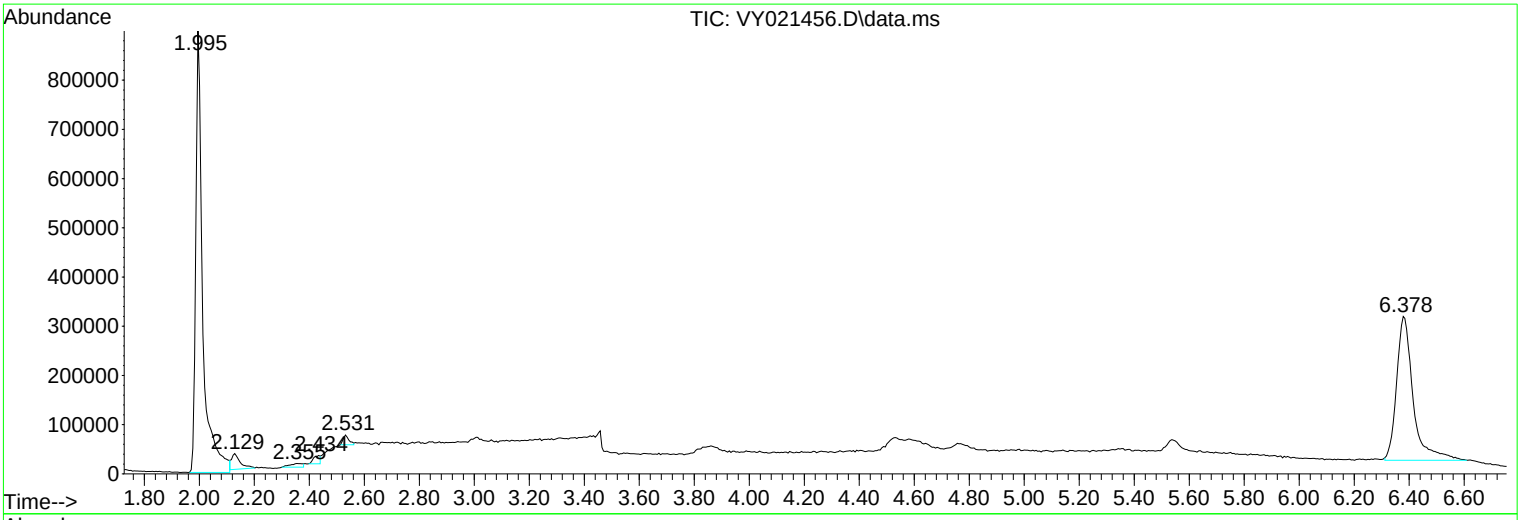
Sum of corrected areas: 19576370

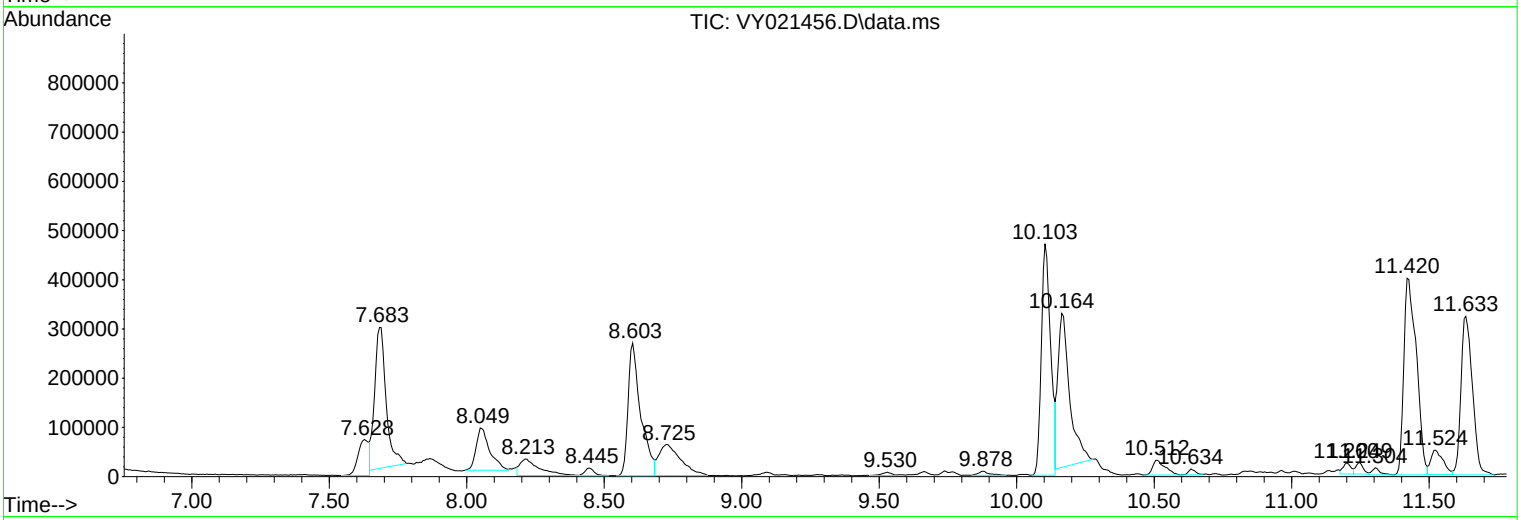
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

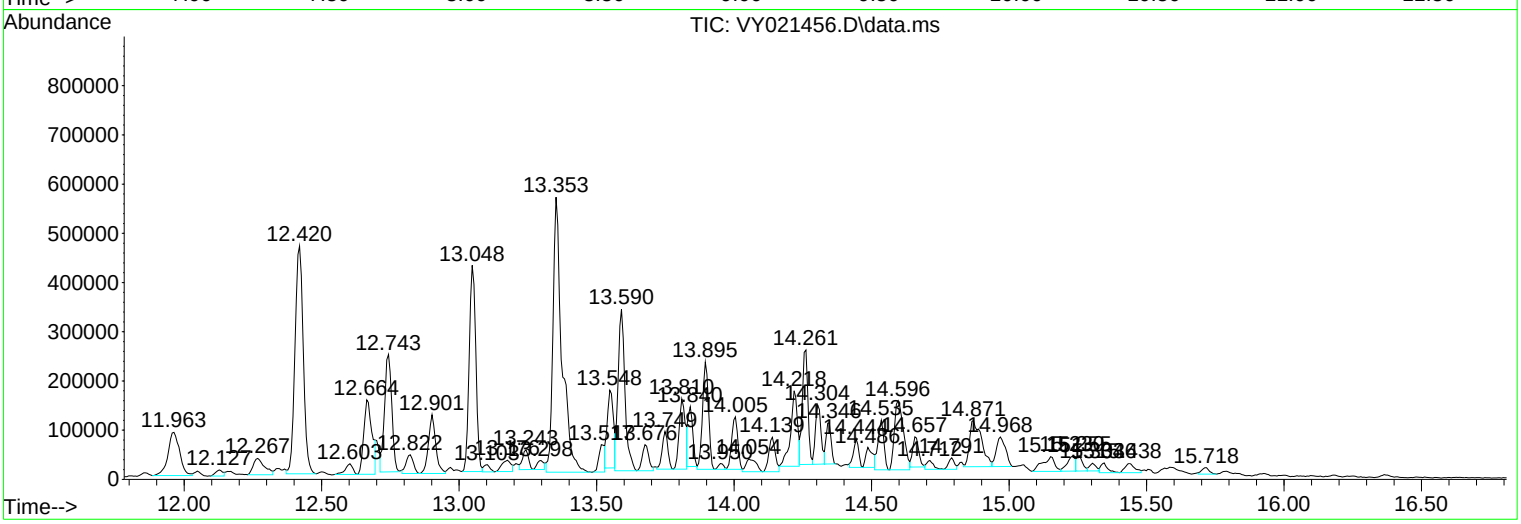
Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

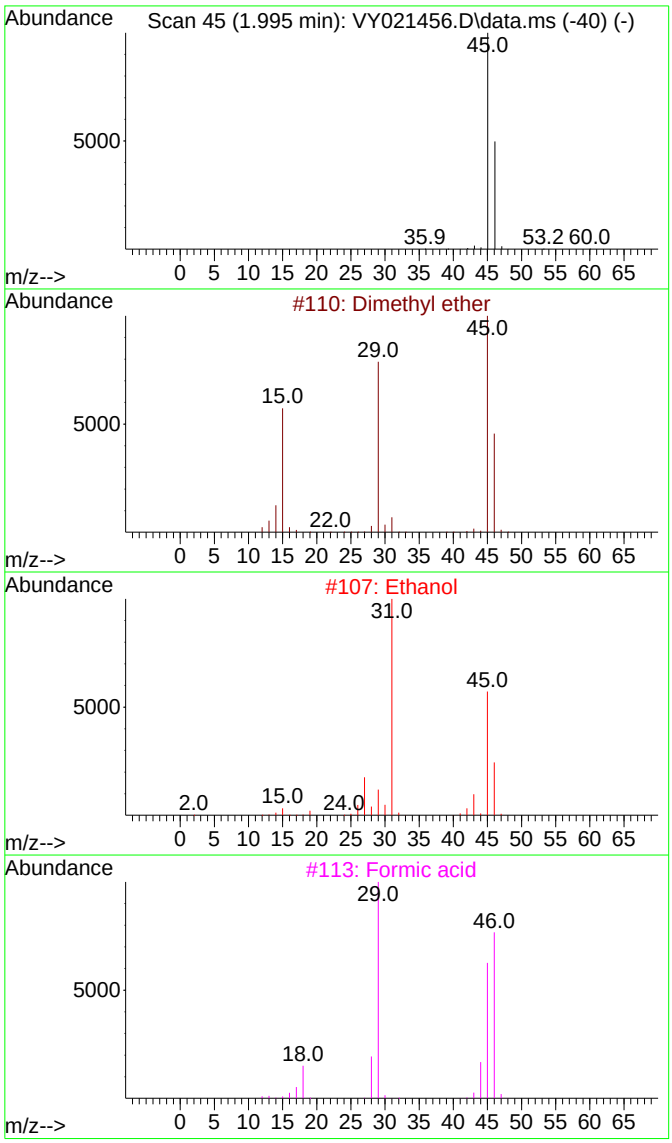
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

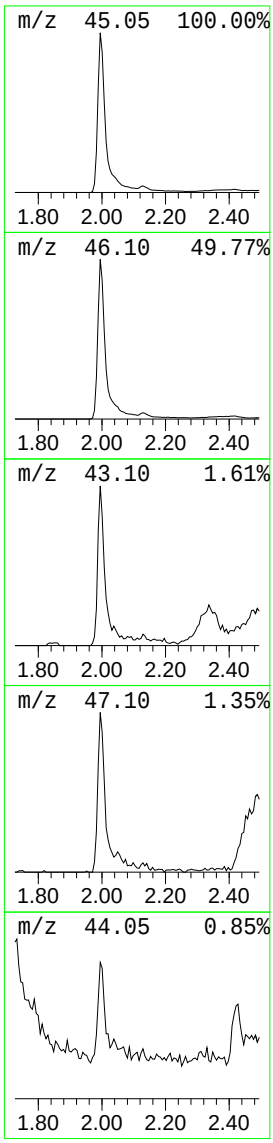
****

Peak Number 1 Dimethyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.995	95.61 ug/l	1597860	Pentafluorobenzene	7.683

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ether	46	C2H6O	000115-10-6	90
2	Ethanol	46	C2H6O	000064-17-5	7
3	Formic acid	46	CH2O2	000064-18-6	7
4	Oxalic acid	90	C2H2O4	000144-62-7	4
5	Methane, nitroso-	45	CH3NO	000865-40-7	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

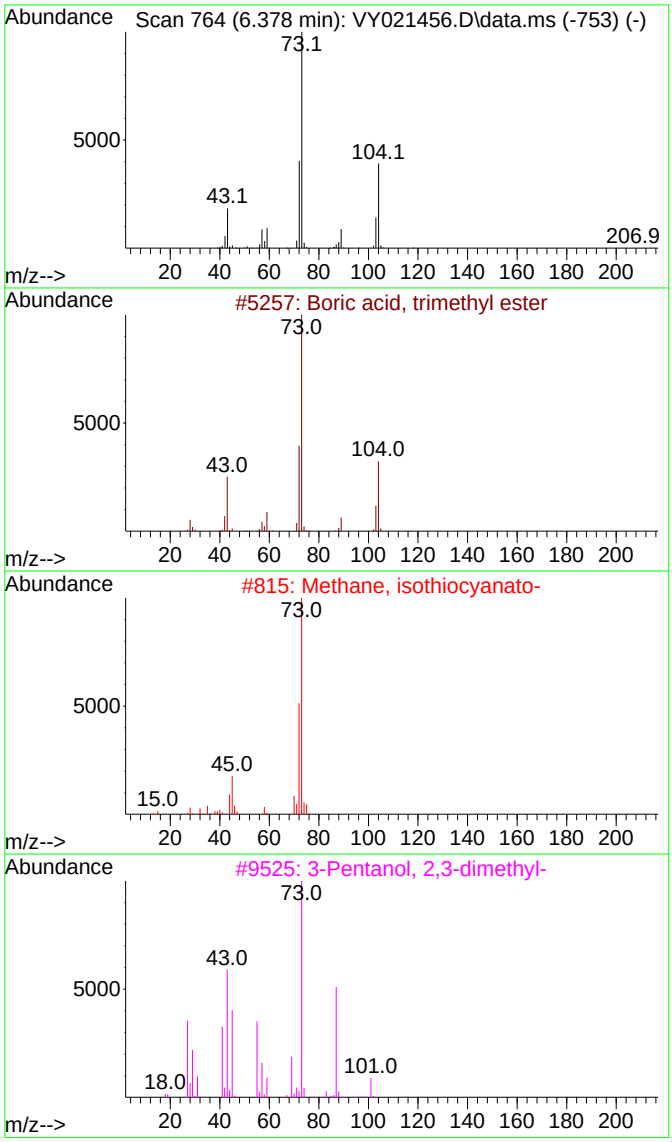
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

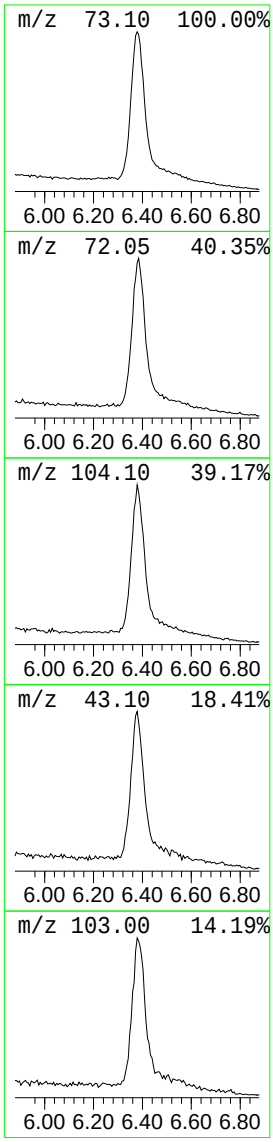
****

Peak Number 2 Boric acid, trimethyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.378	73.02 ug/l	1220450	Pentafluorobenzene	7.683

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boric acid, trimethyl ester	104	C3H9BO3	000121-43-7	91
2	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9
3	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	9
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	7
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

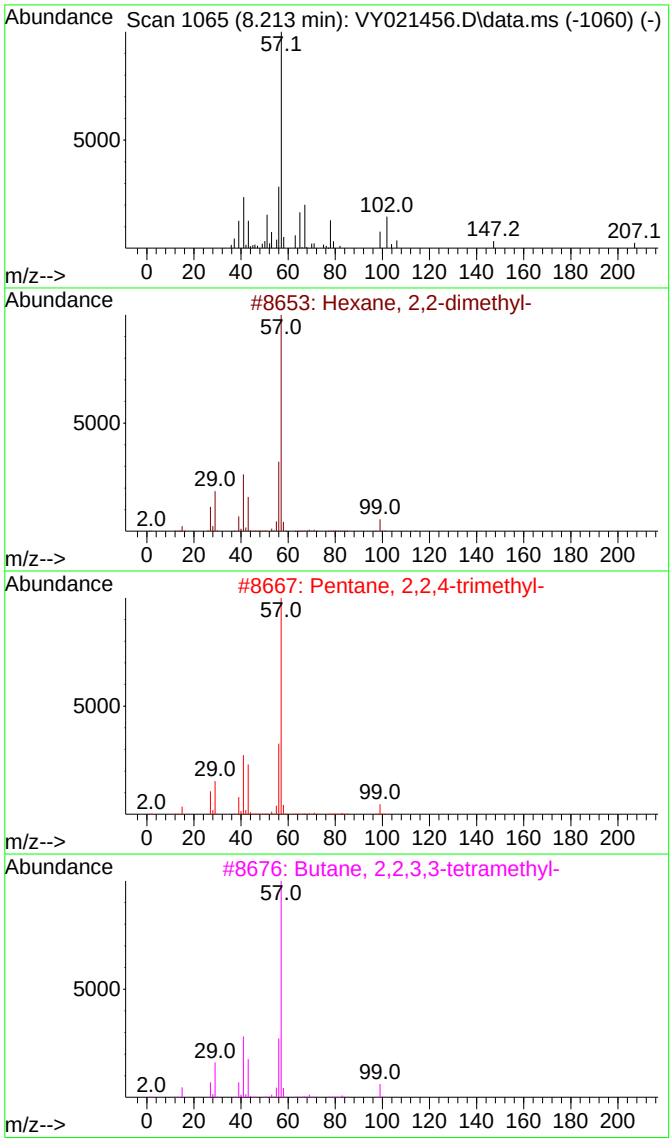
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

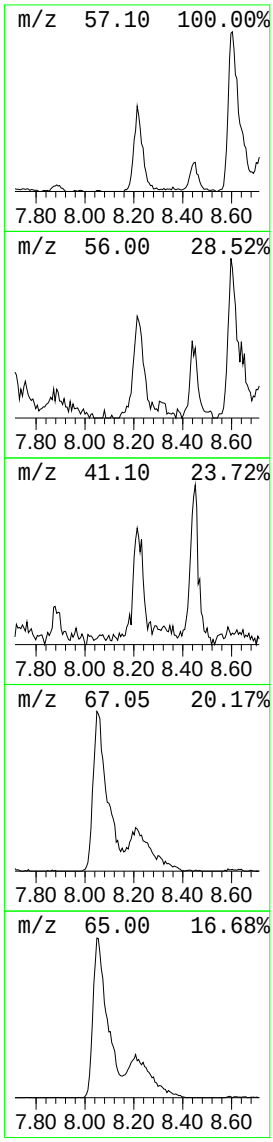
****

Peak Number 3 unknown8.213 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.213	9.40 ug/l	162578	1,4-Difluorobenzene	8.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	16
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	16
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	16
4	tert-Butyl[4-(tert-butylimino-ox...	270	C10H18N6O3	1000443-26-2	12
5	Sulfone, 2-hydroxybutyl t-butyl	194	C8H18O3S	1000161-82-4	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

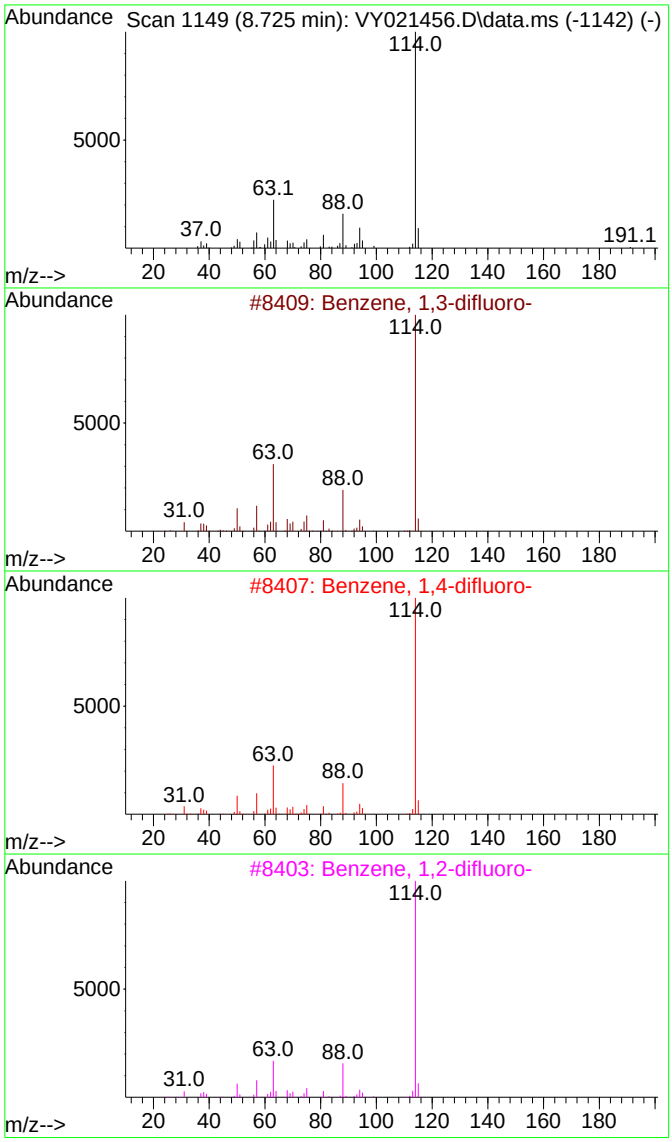
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

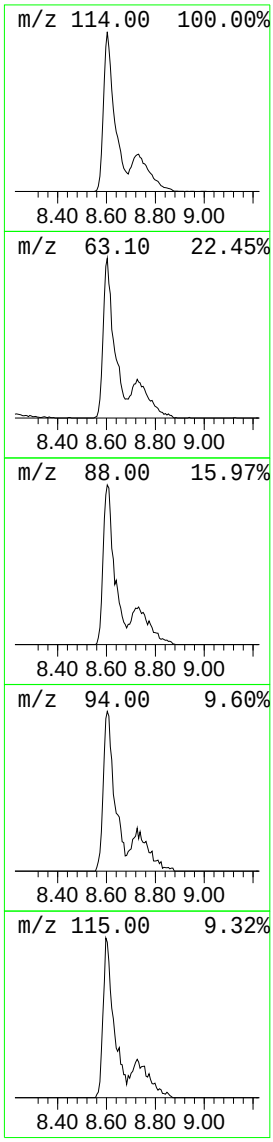
****

Peak Number 4 Benzene, 1,3-difluoro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.725	20.02 ug/l	346118	1,4-Difluorobenzene	8.603

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	91
2	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	90
3	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	90
4	Undec-10-ynoylamide, N-(2-butyl)...	307	C20H37NO	1000491-72-5	28
5	2-Butylamine, N-(3-methylbutyl)-	143	C9H21N	1000463-86-1	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

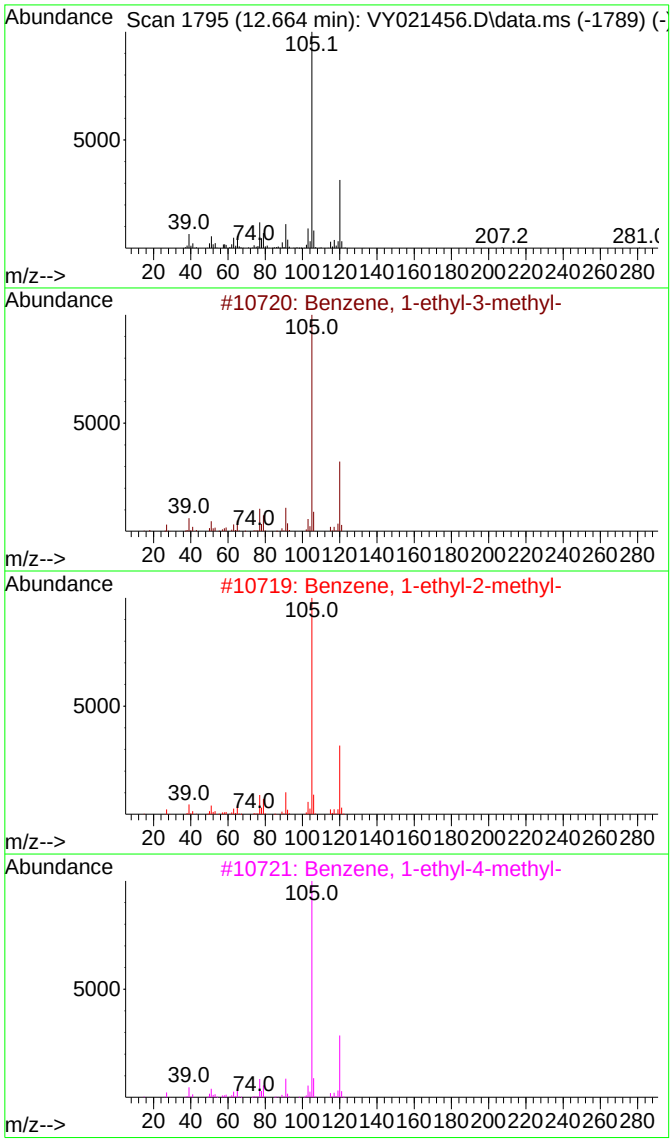
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

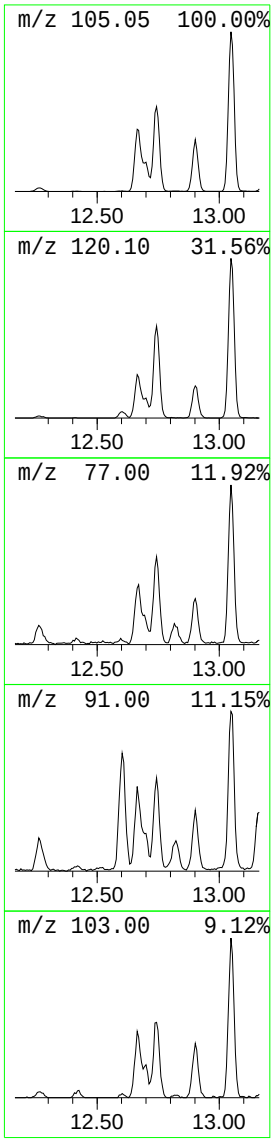
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.664	12.31 ug/l	315591	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

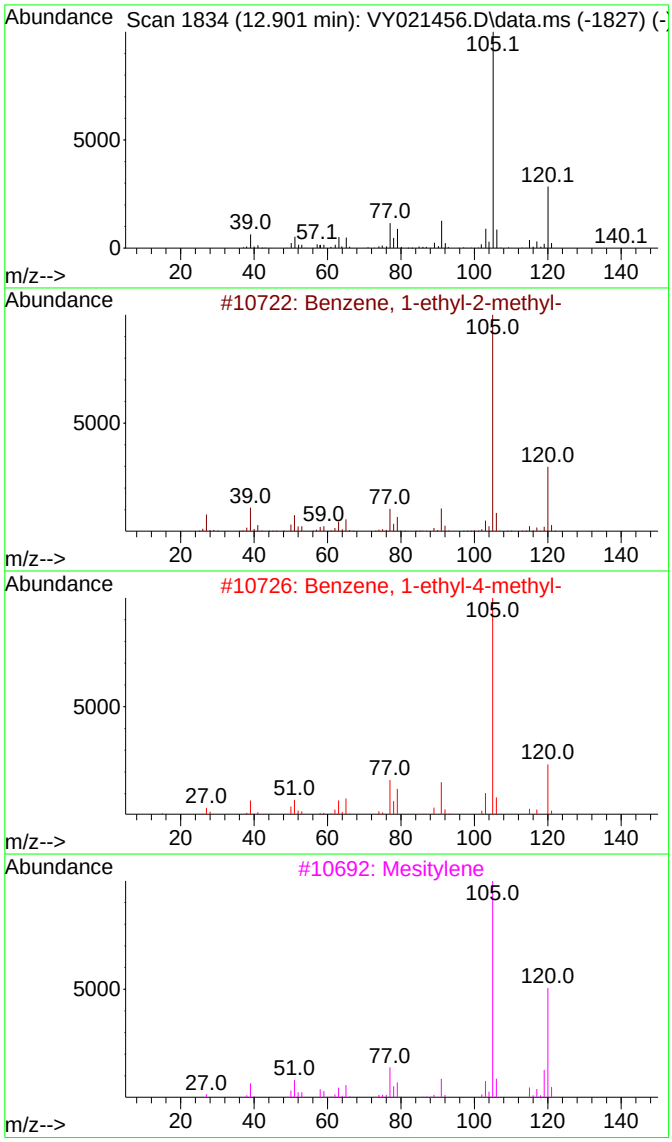
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

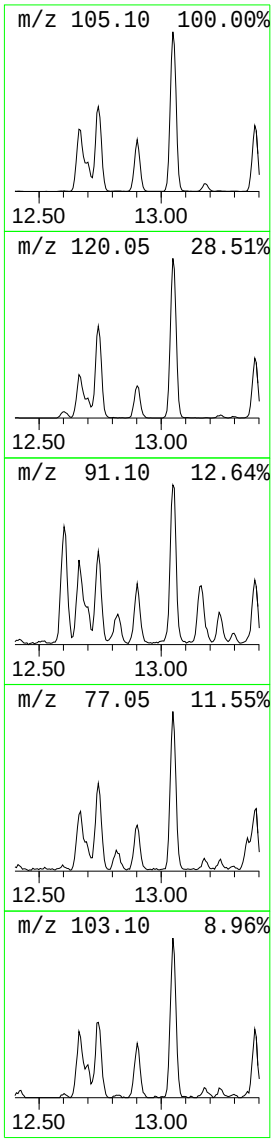
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.901	8.57 ug/l	219894	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Data File : VY021456.D
Acq On    : 07 Mar 2025  13:18
Operator  : SY/MD
Sample    : Q1479-02
Misc      : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
MSVOA_Y
ClientSampleId :
DSP2

5

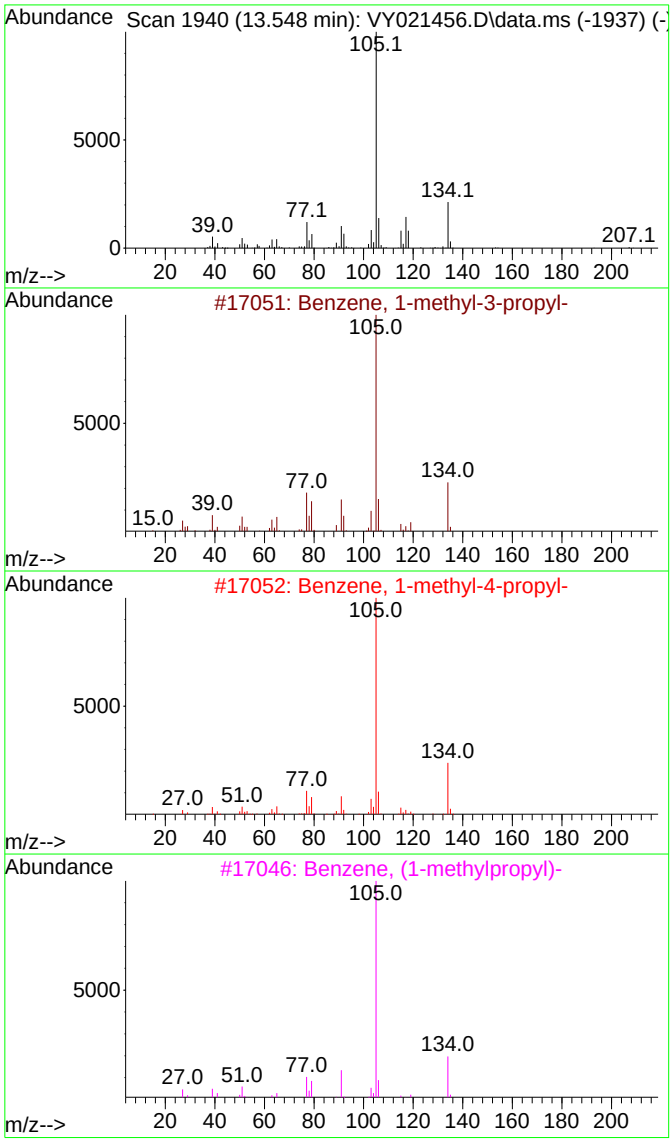
A B C D E F G H I J

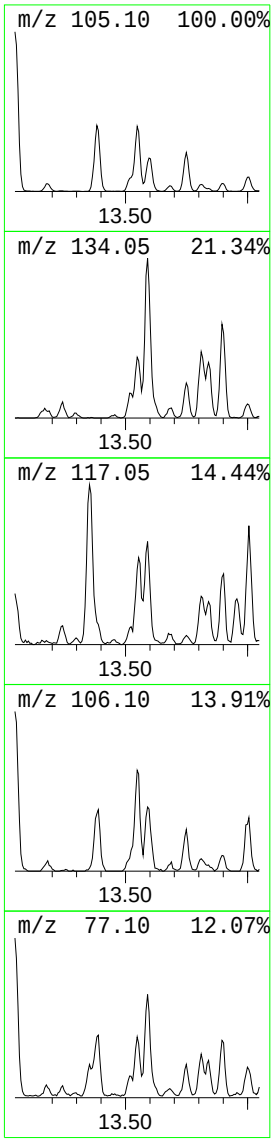
****

Peak Number 7 Benzene, 1-methyl-3-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.548	9.66 ug/l	247747	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	81
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	68





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Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

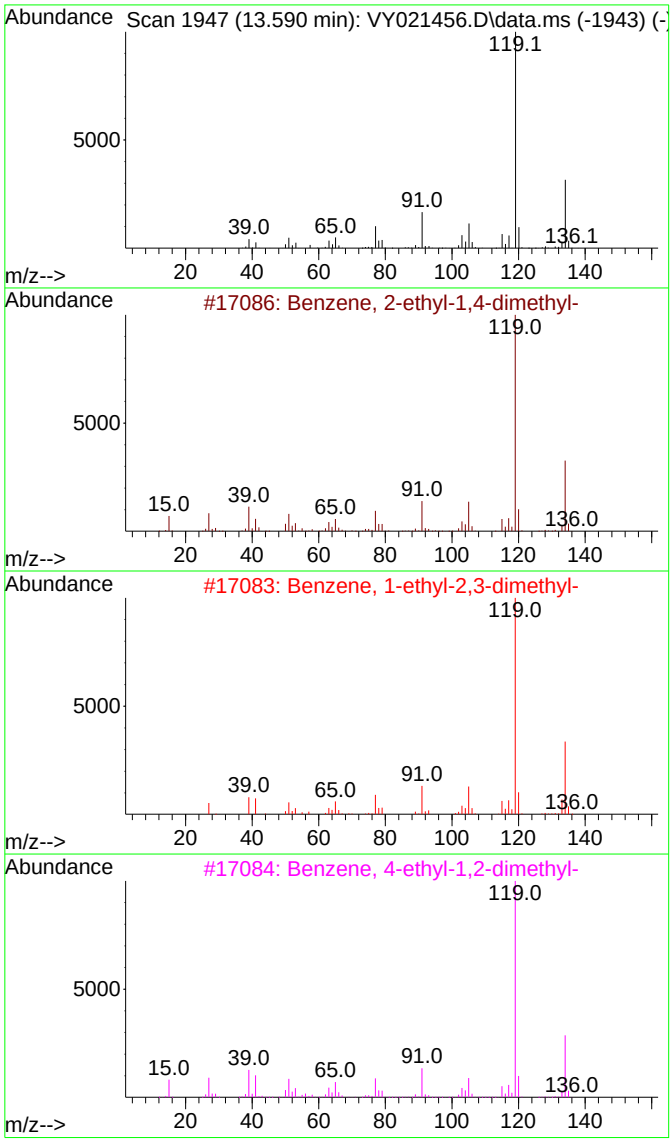
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

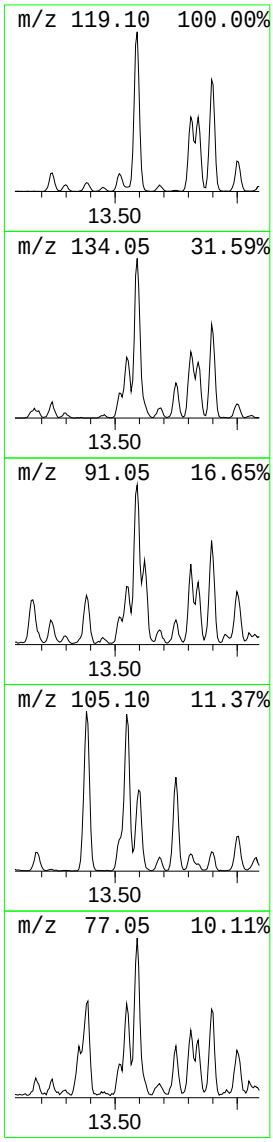
****

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.590	22.07 ug/l	565853	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





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Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

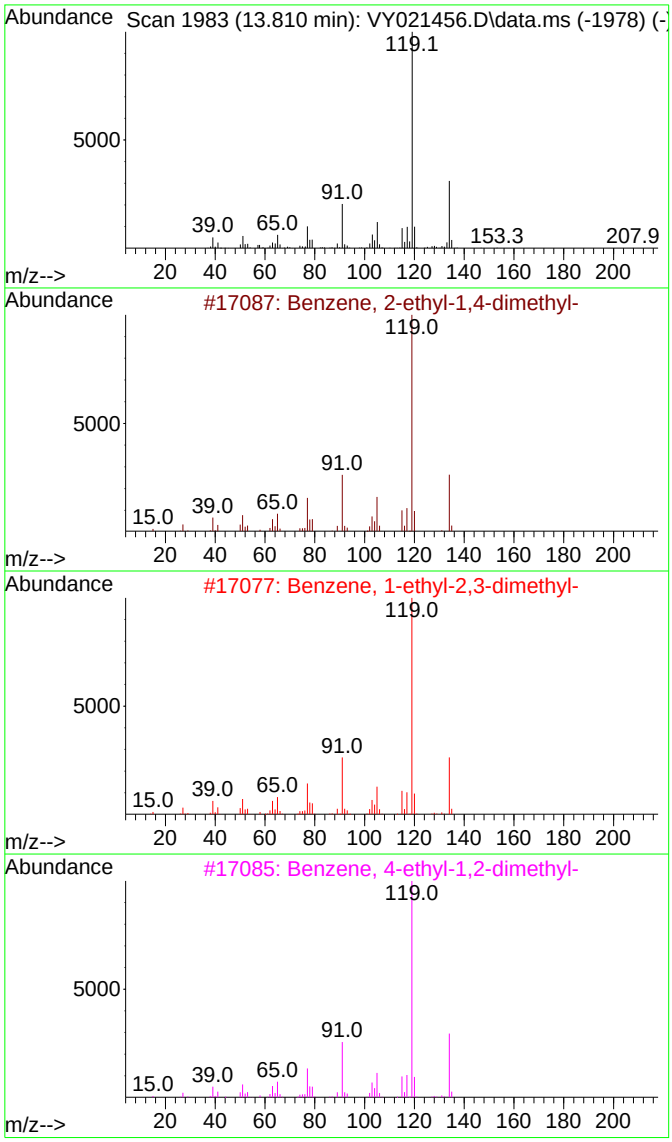
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

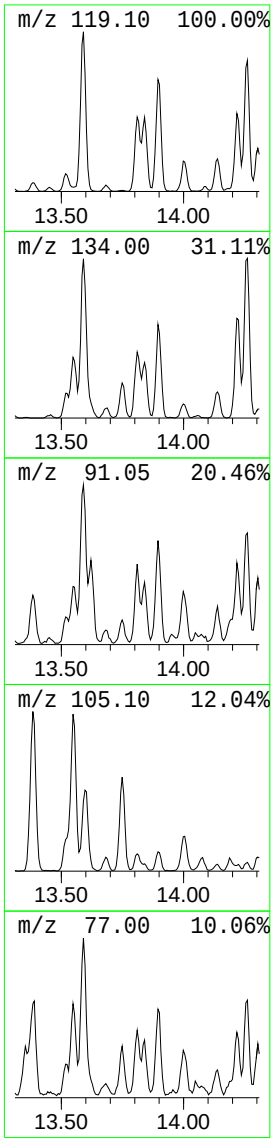
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	9.20 ug/l	236031	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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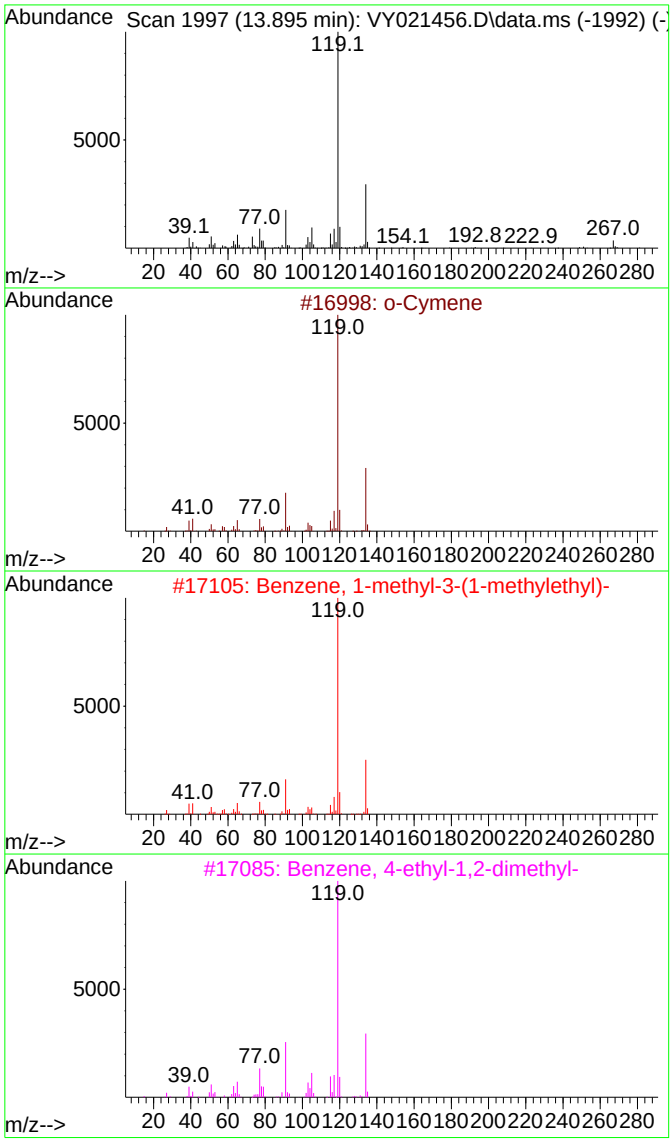
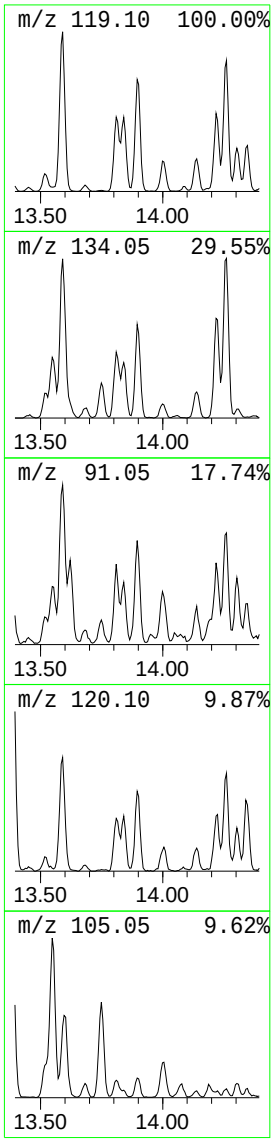
Peak Number 10 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	12.86 ug/l	329723	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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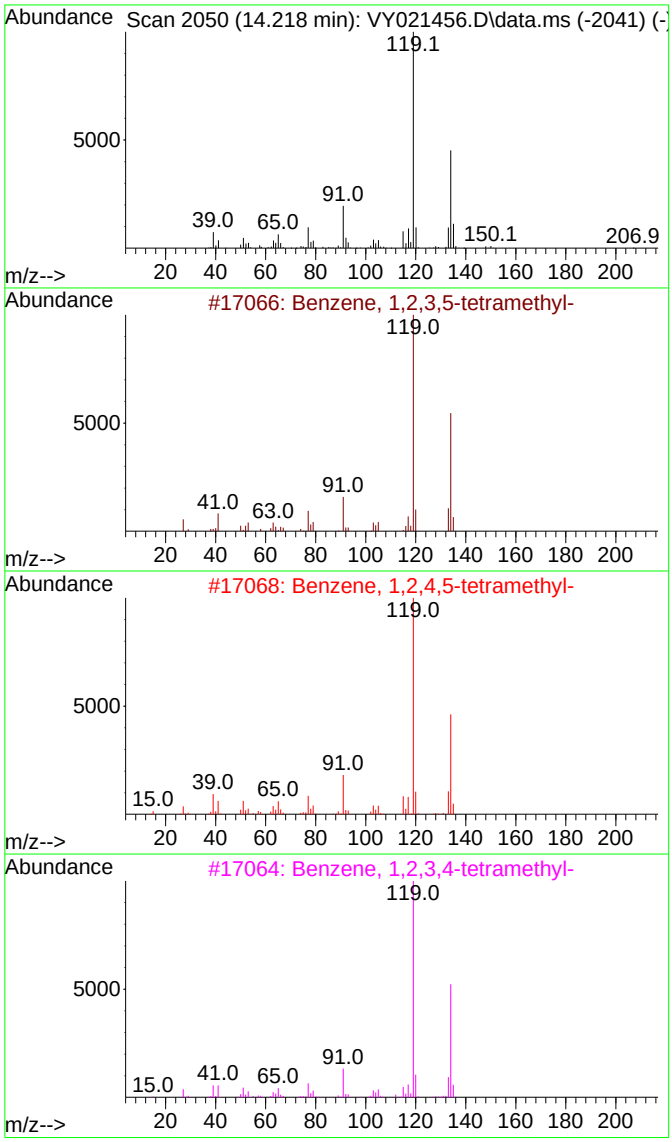
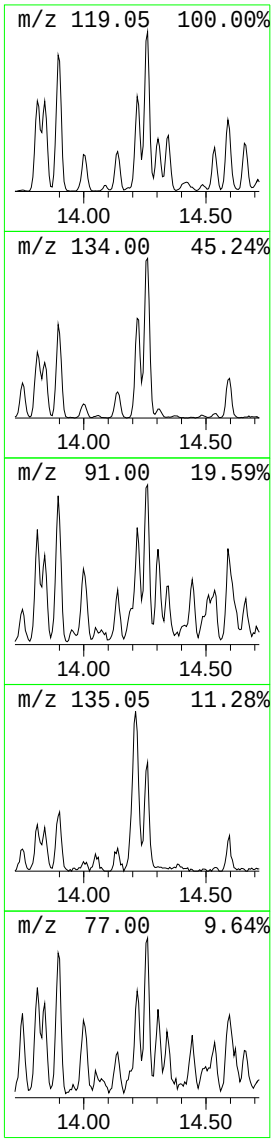
Peak Number 11 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.218	10.58 ug/l	271289	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

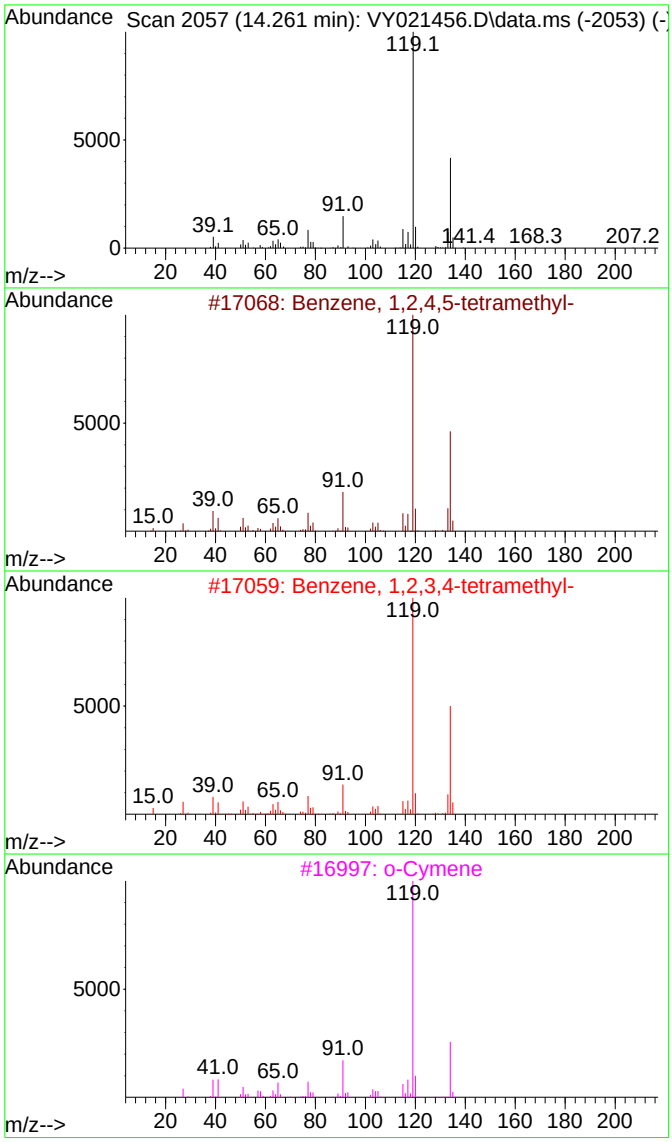
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

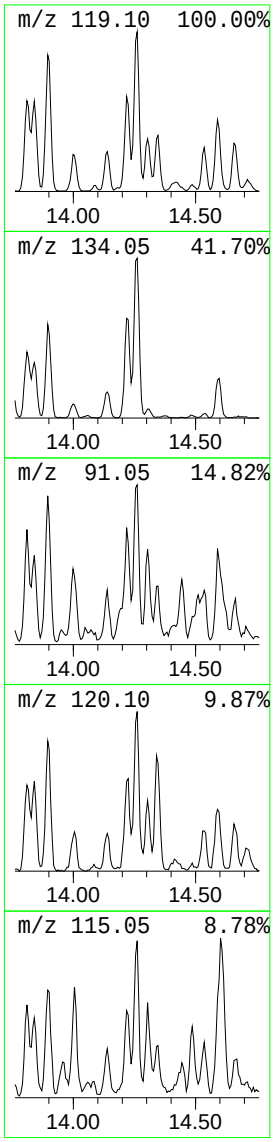
****

Peak Number 12 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	12.95 ug/l	332146	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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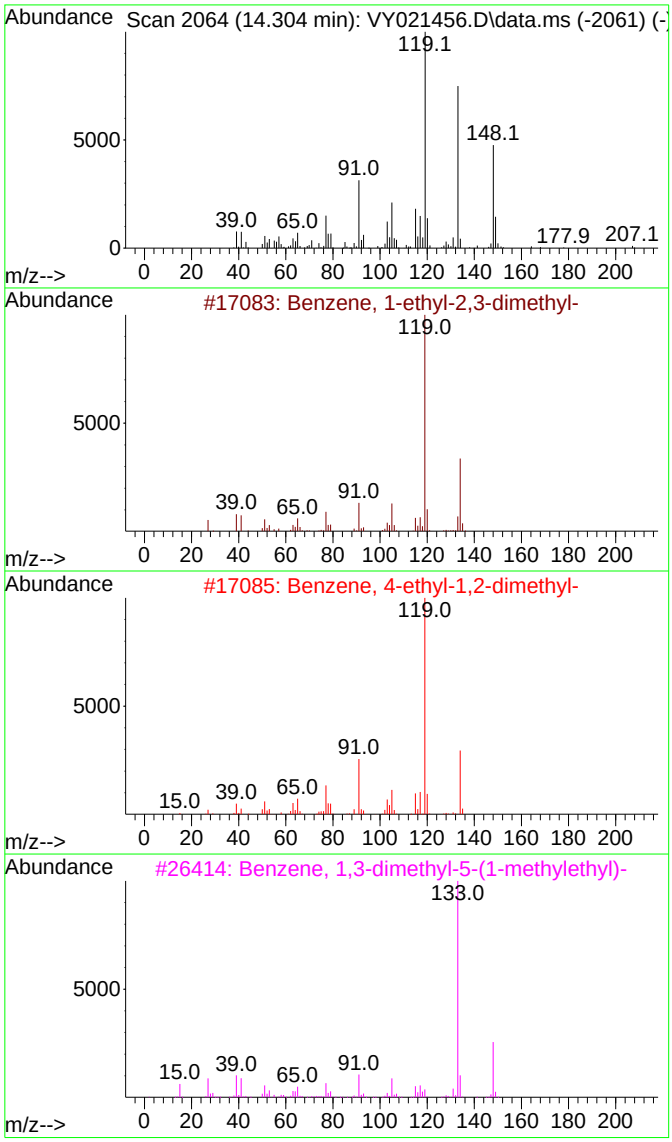
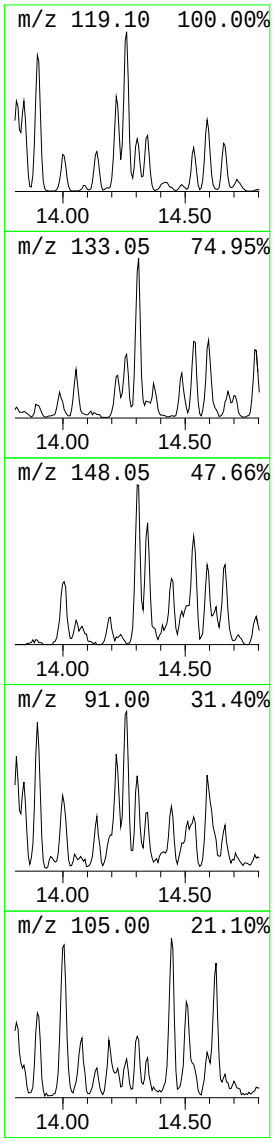
Peak Number 13 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	6.75 ug/l	173144	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
5	1-(2,3-Dimethylphenyl)ethanone	148	C10H12O	002142-71-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

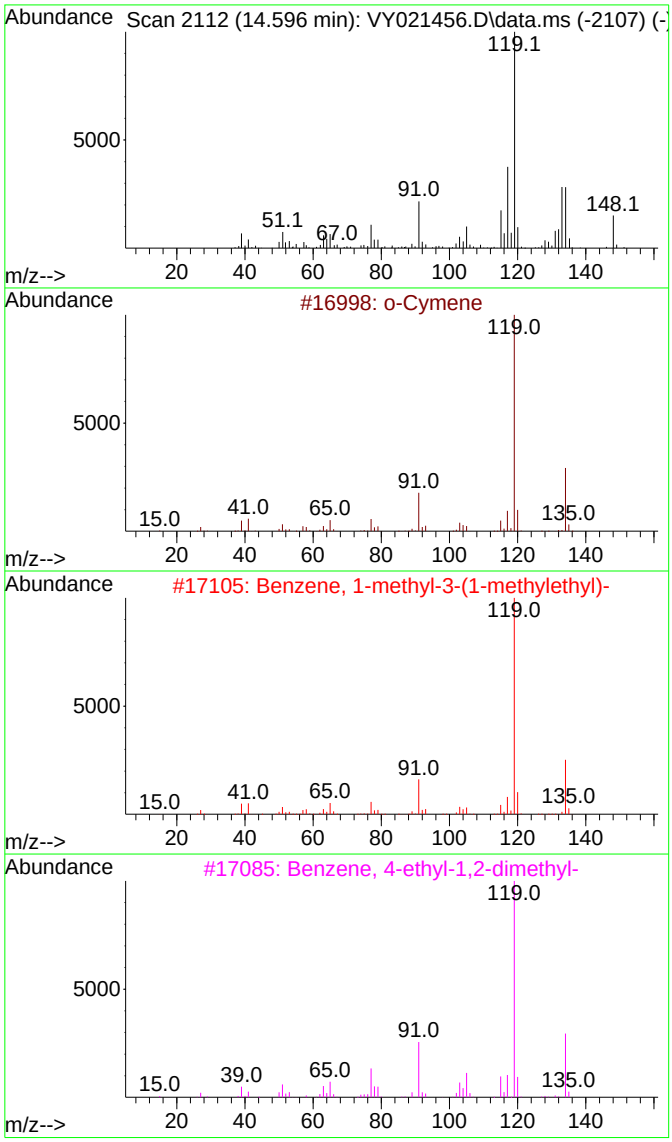
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

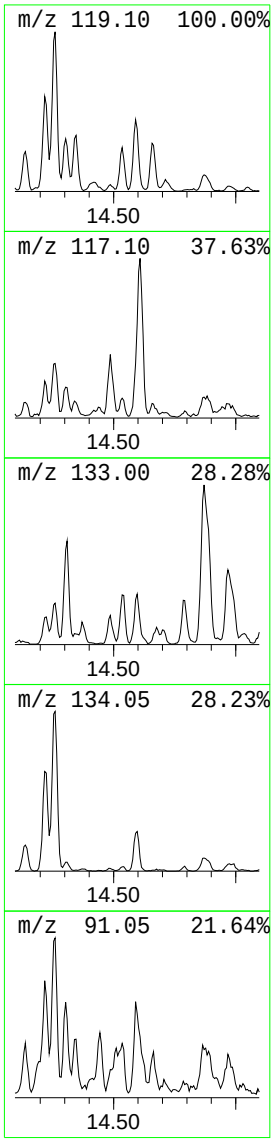
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	12.67 ug/l	324804	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64





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Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

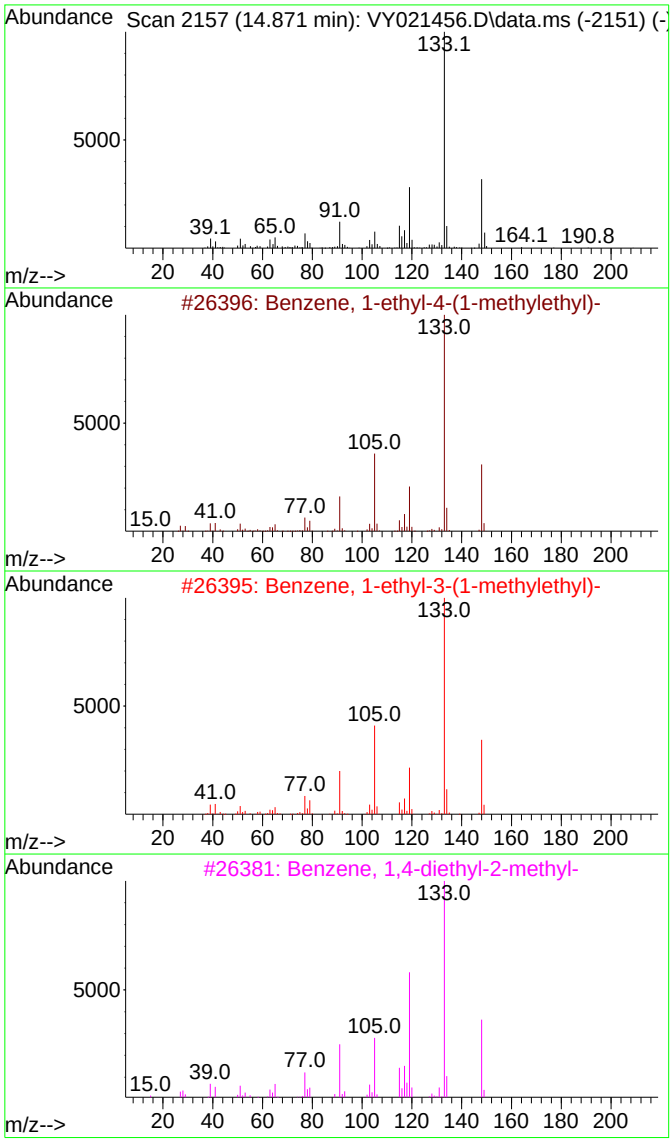
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

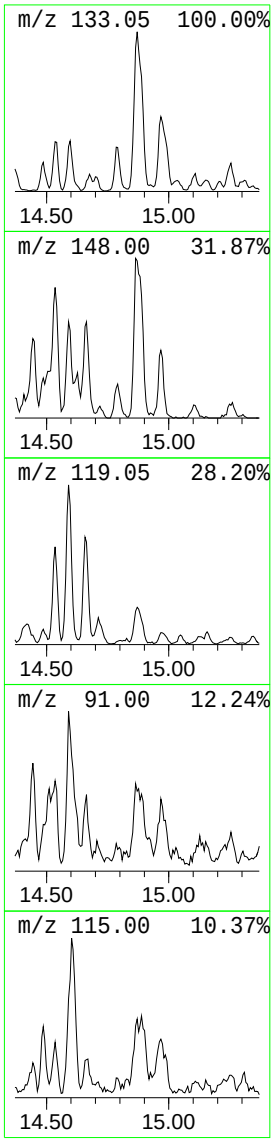
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.871	11.05 ug/l	283269	1,4-Dichlorobenzene-d4	13.352

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	91
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	90
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021456.D
Acq On : 07 Mar 2025 13:18
Operator : SY/MD
Sample : Q1479-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DSP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
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Boric acid, tri...	6.378	73.0	ug/l	1220450	1	7.683	835646	50.0
unknown8.213	8.213	9.4	ug/l	162578	2	8.603	864615	50.0
Benzene, 1,3-di...	8.725	20.0	ug/l	346118	2	8.603	864615	50.0
Benzene, 1-ethy...	12.664	12.3	ug/l	315591	4	13.352	1282210	50.0
Benzene, 1-ethy...	12.901	8.6	ug/l	219894	4	13.352	1282210	50.0
Benzene, 1-meth...	13.548	9.7	ug/l	247747	4	13.352	1282210	50.0
Benzene, 2-ethy...	13.590	22.1	ug/l	565853	4	13.352	1282210	50.0
Benzene, 1-ethy...	13.810	9.2	ug/l	236031	4	13.352	1282210	50.0
o-Cymene	13.895	12.9	ug/l	329723	4	13.352	1282210	50.0
Benzene, 1,2,3,...	14.218	10.6	ug/l	271289	4	13.352	1282210	50.0
Benzene, 1,2,4,...	14.261	12.9	ug/l	332146	4	13.352	1282210	50.0
Benzene, 4-ethy...	14.304	6.8	ug/l	173144	4	13.352	1282210	50.0
Benzene, 1-meth...	14.596	12.7	ug/l	324804	4	13.352	1282210	50.0
Benzene, 1-ethy...	14.871	11.1	ug/l	283269	4	13.352	1282210	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

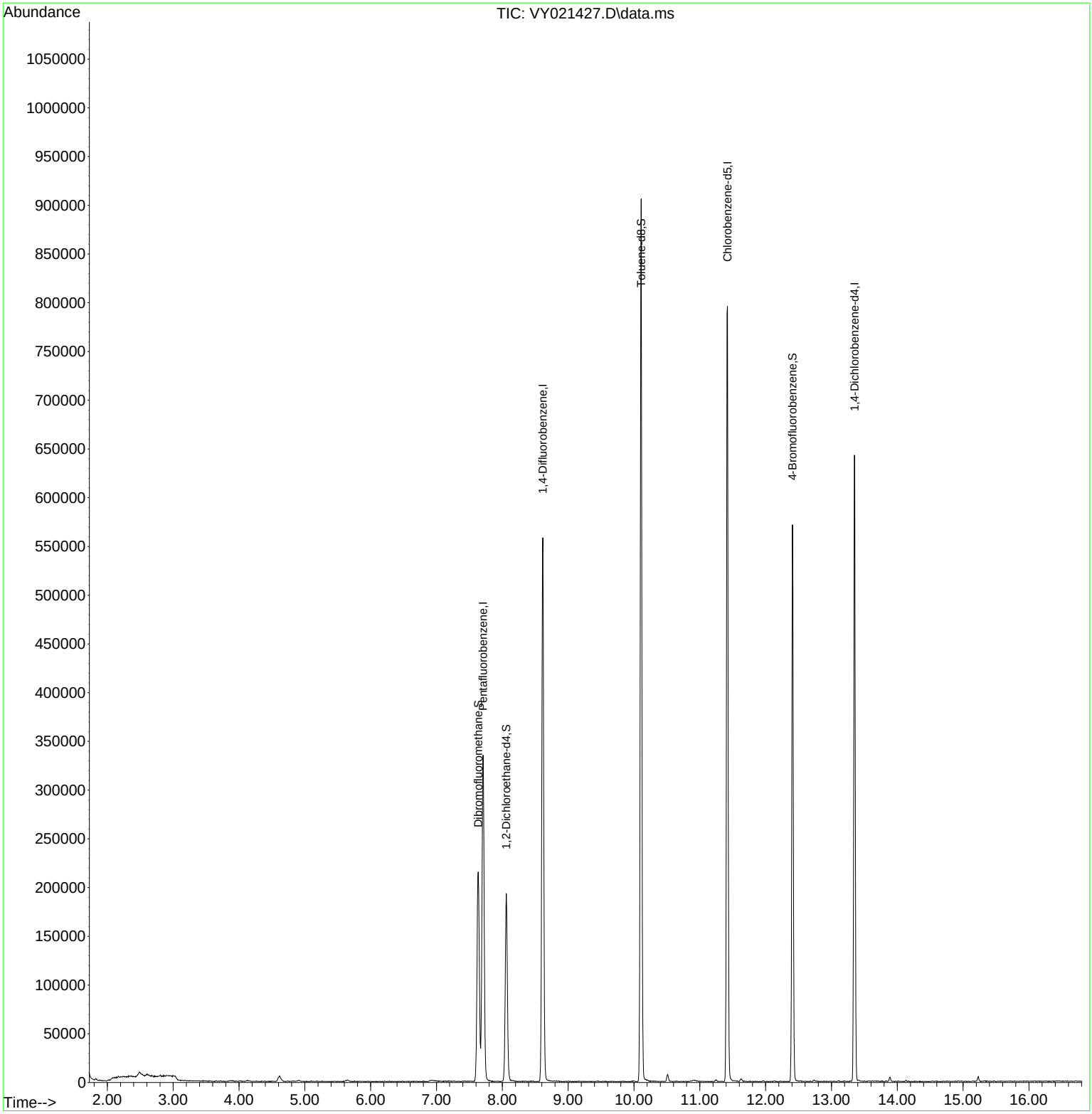
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	249443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	405928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154096	58.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.900%			
35) Dibromofluoromethane	7.634	113	154971	51.151	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.300%			
50) Toluene-d8	10.109	98	558007	48.643	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.408	95	170007	43.568	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.140%			
Target Compounds						Qvalue

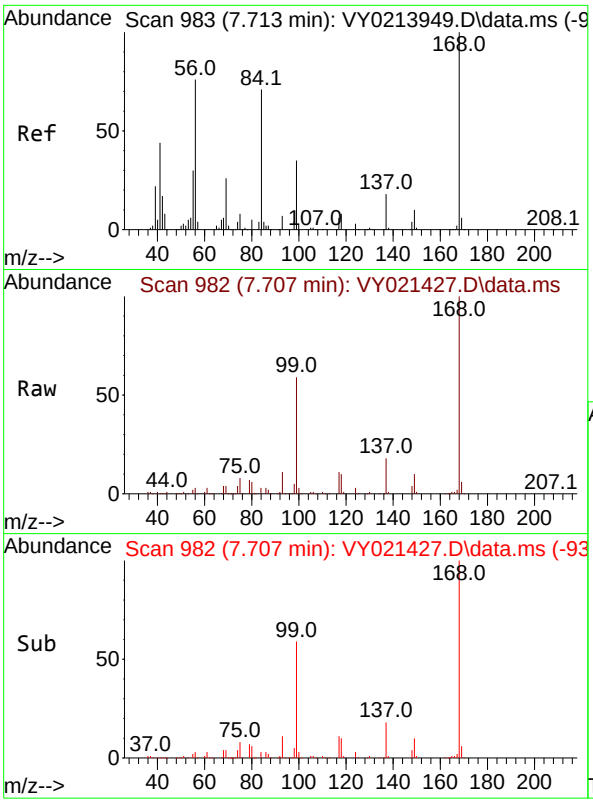
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



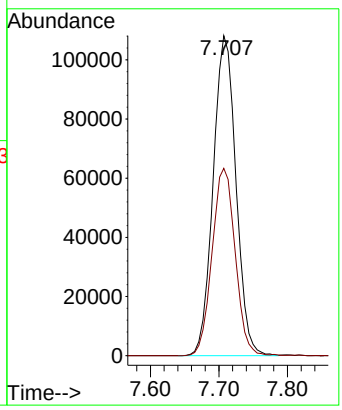


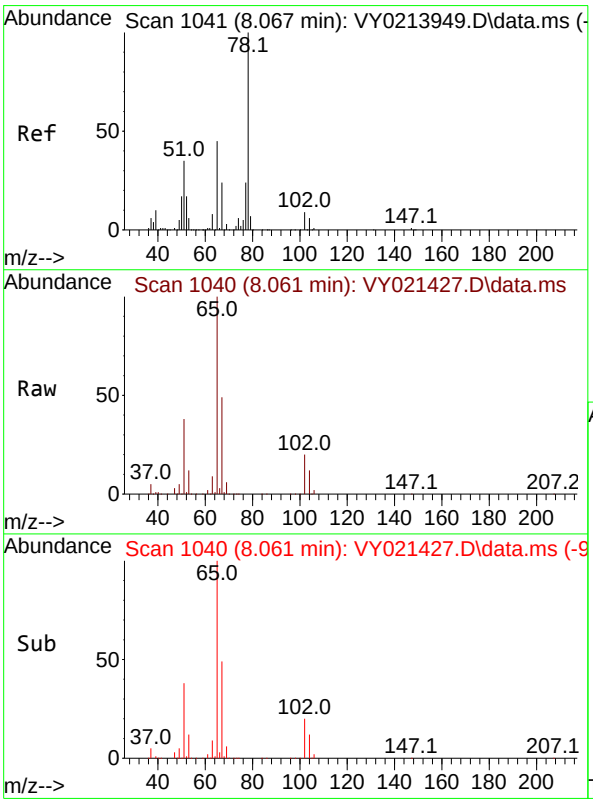
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:168 Resp: 249443

Ion	Ratio	Lower	Upper
168	100		
99	58.6	46.0	69.0

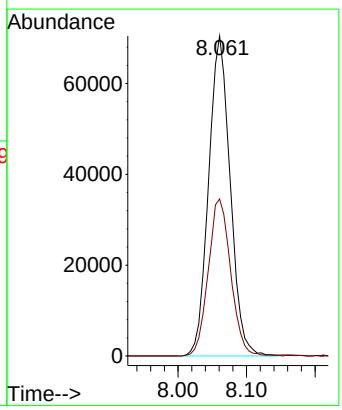


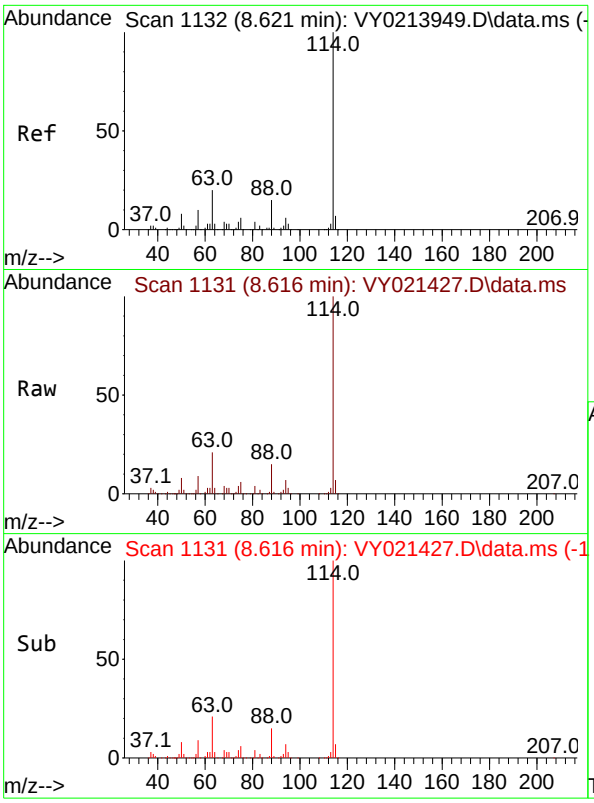


#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 65 Resp: 154096

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.8



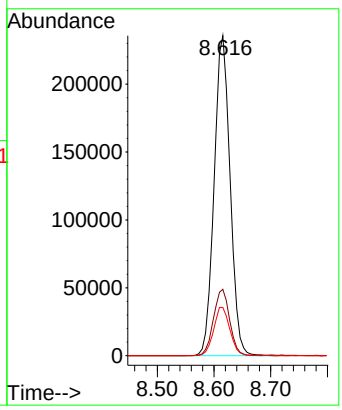


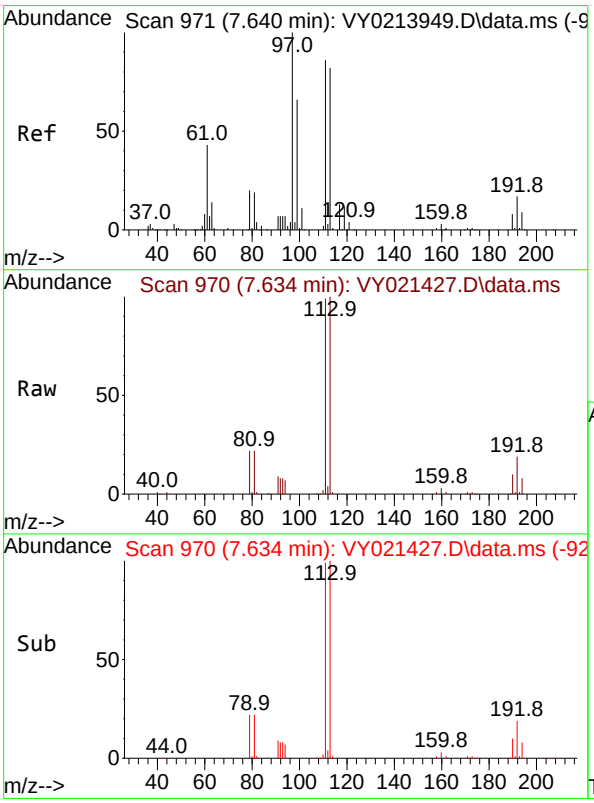
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:114 Resp: 460921

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.1	0.0	30.8

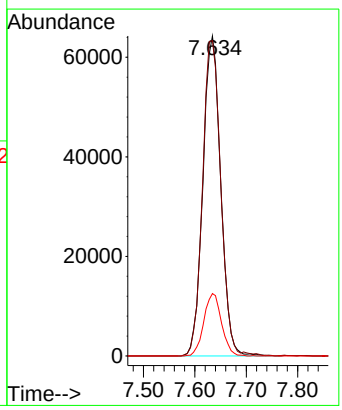


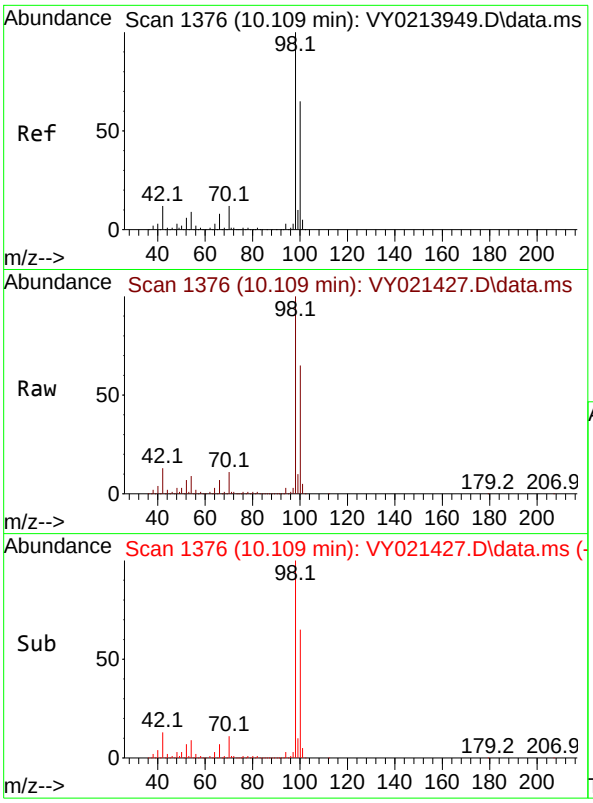


#35
Dibromofluoromethane
Concen: 51.151 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:113 Resp: 154971

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.0	123.0
192	19.3	15.9	23.9



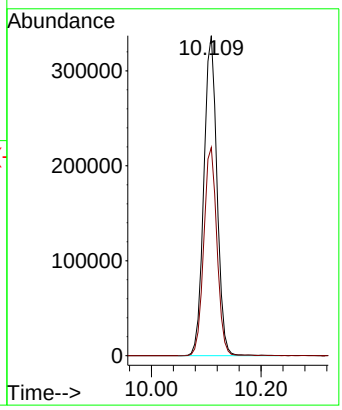


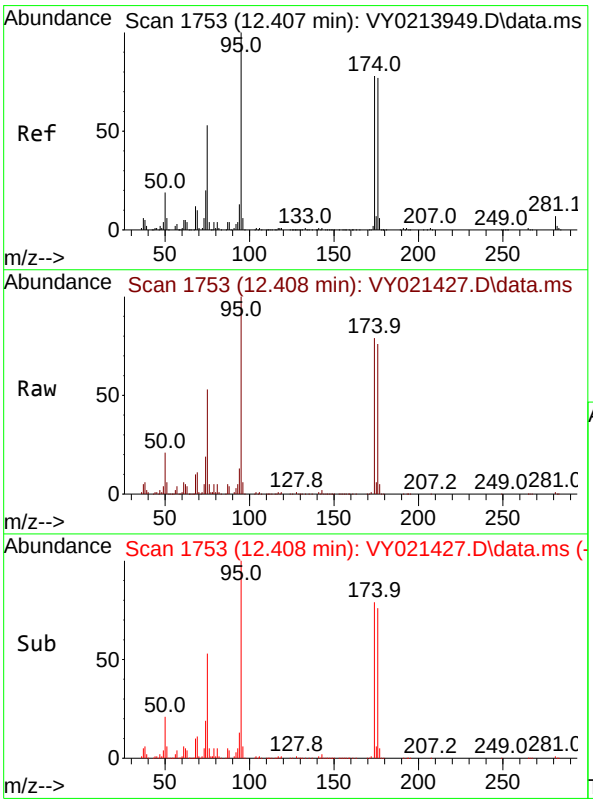
#50
Toluene-d8
Concen: 48.643 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion: 98 Resp: 558007

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

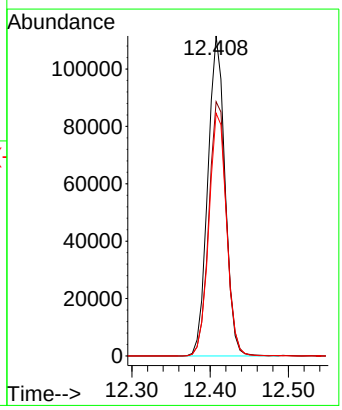


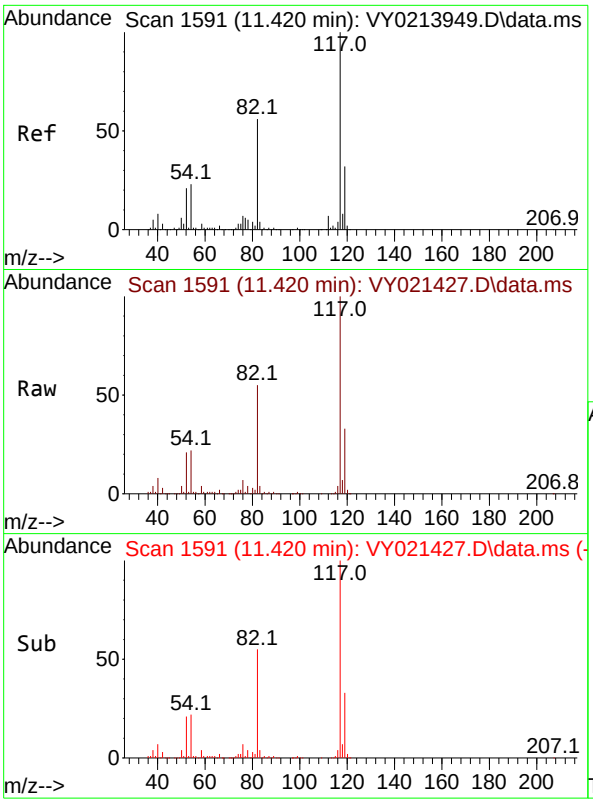


#62
4-Bromofluorobenzene
Concen: 43.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 95 Resp: 170007

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	165.0
176	77.8	0.0	160.0



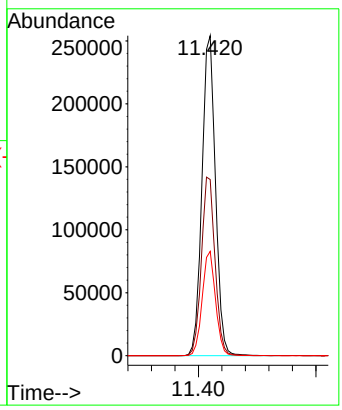


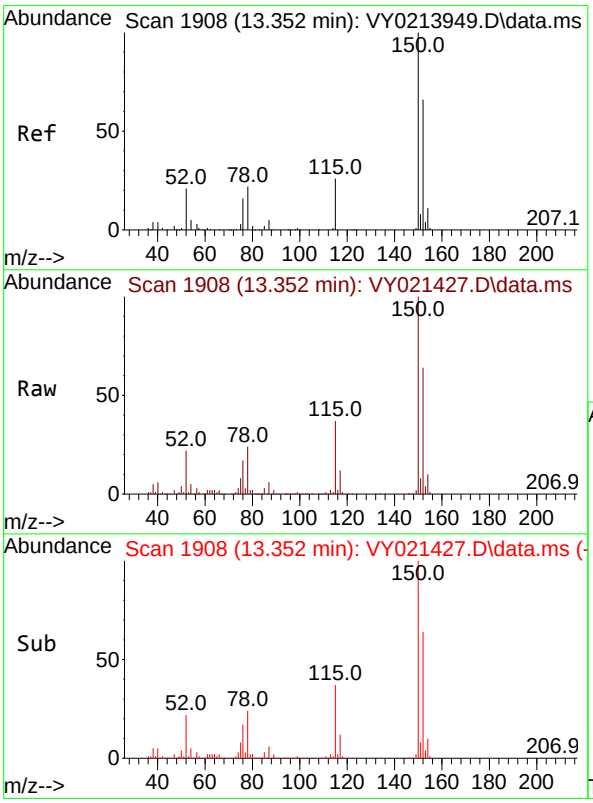
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Tgt Ion:117 Resp: 405928

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.6	25.4	38.0

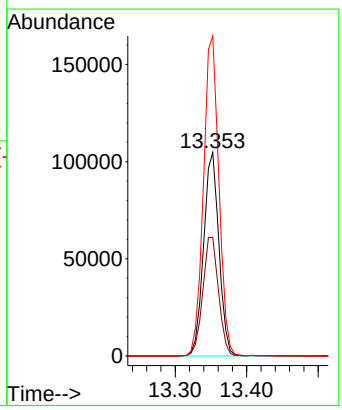




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion:152 Resp: 156000

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.0	87.0
150	158.2	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	117	127	132	rBV5	5042	16150	1.07%	0.213%
2	4.616	465	475	485	rBV4	5719	17642	1.17%	0.233%
3	7.634	960	970	976	rBV2	214988	528018	34.88%	6.966%
4	7.707	976	982	996	rVB	334308	771072	50.93%	10.172%
5	8.061	1027	1040	1051	rBV	193021	432772	28.59%	5.709%
6	8.616	1122	1131	1144	rBV	557966	1109058	73.26%	14.631%
7	10.109	1367	1376	1386	rBV	905768	1513956	100.00%	19.973%
8	11.420	1581	1591	1605	rBV	795449	1300163	85.88%	17.152%
9	12.408	1746	1753	1762	rBV	571400	896843	59.24%	11.831%
10	13.346	1900	1907	1915	rBV	642349	994480	65.69%	13.120%

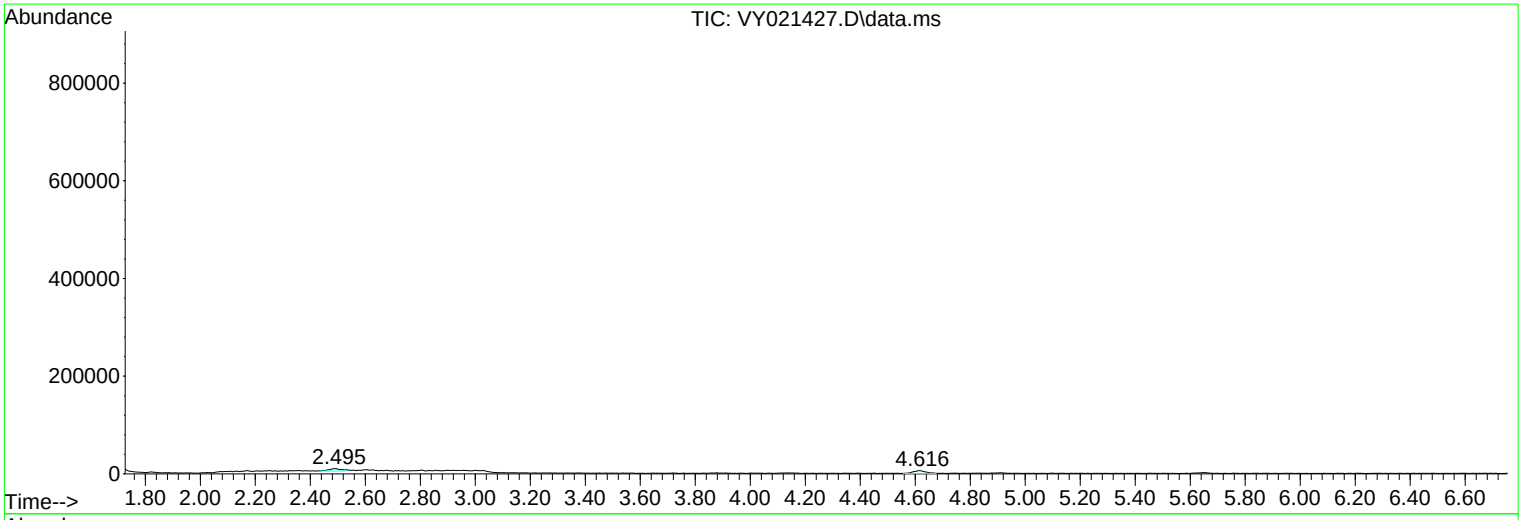
Sum of corrected areas: 7580154

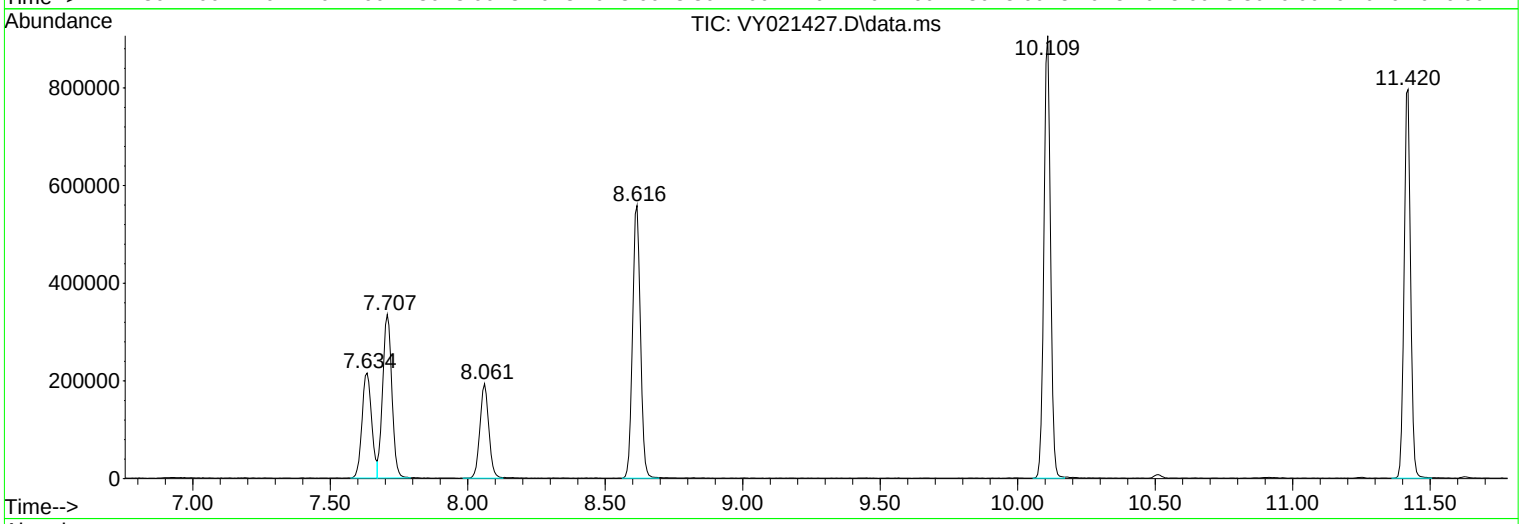
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

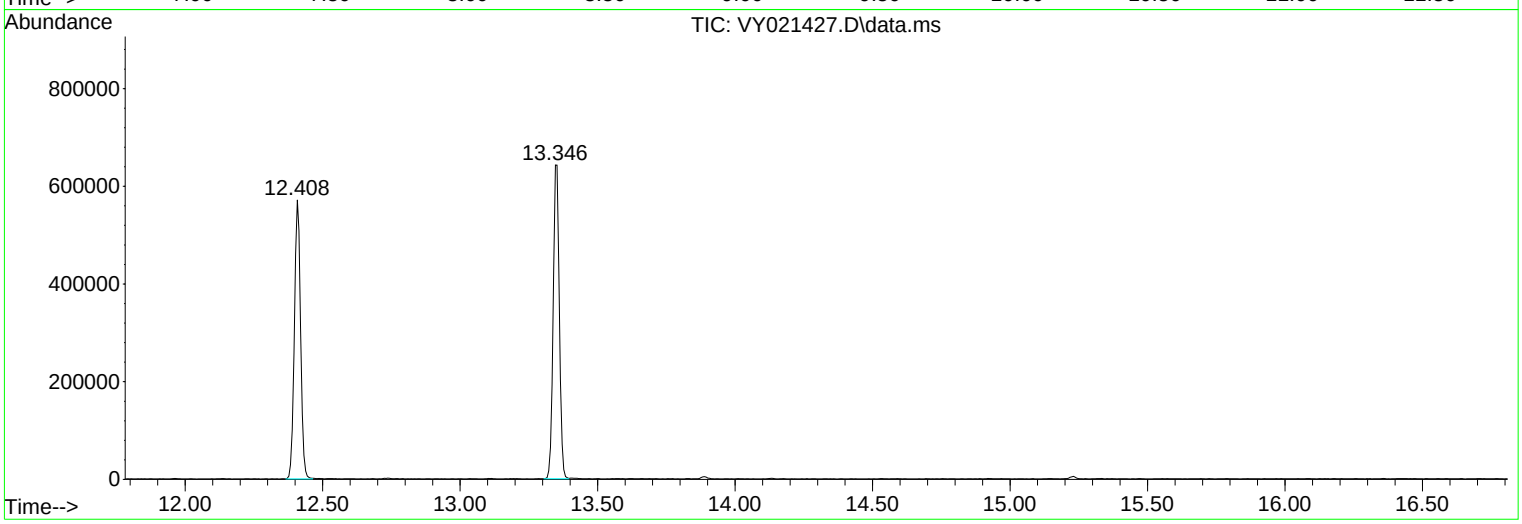
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Time: Mar 07 21:59:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	247432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	386511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	140975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144872	55.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.800%			
35) Dibromofluoromethane	7.634	113	150461	50.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.400%			
50) Toluene-d8	10.109	98	550853	48.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.408	95	154713	40.081	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.160%			

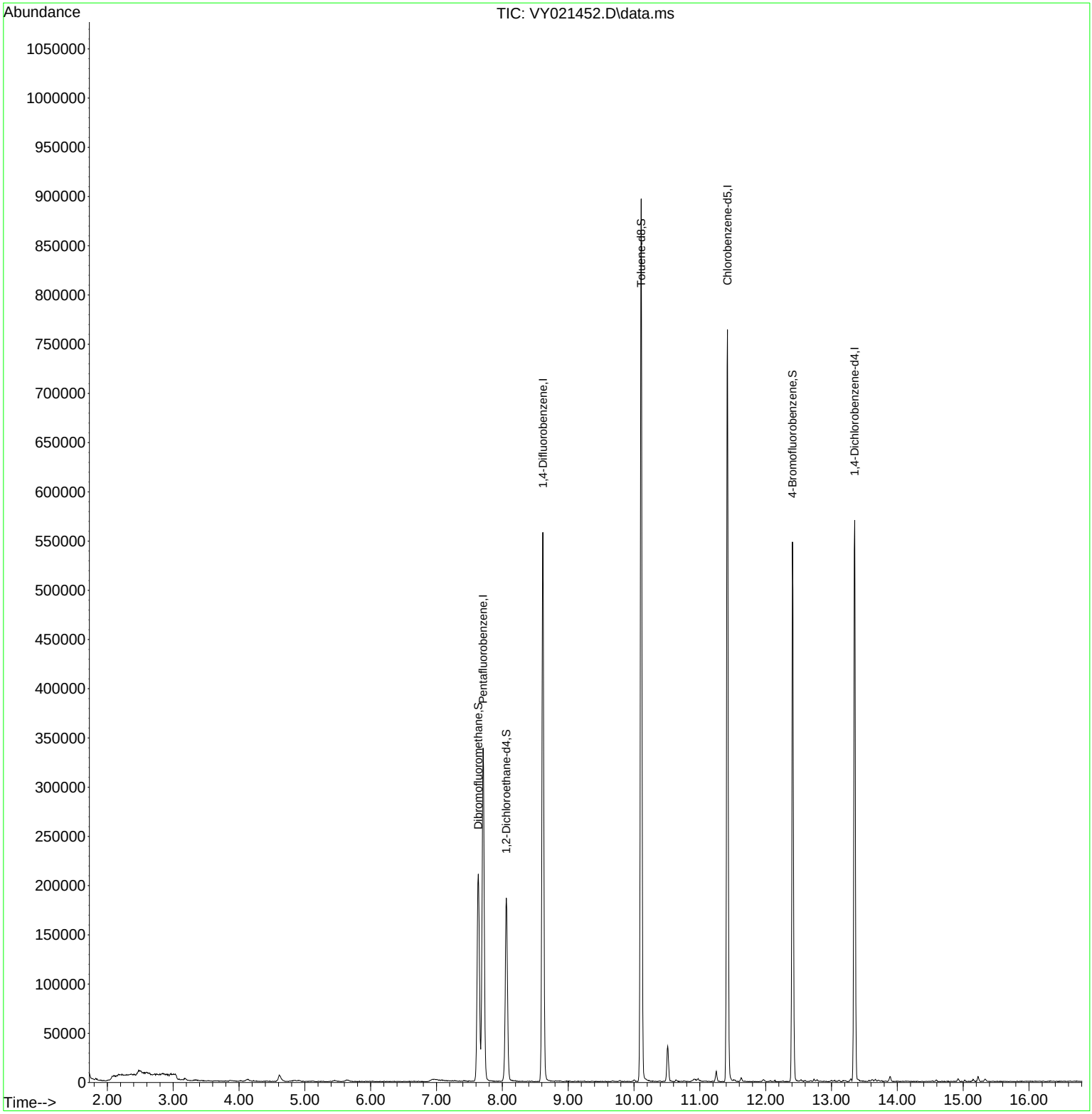
Target Compounds Qvalue

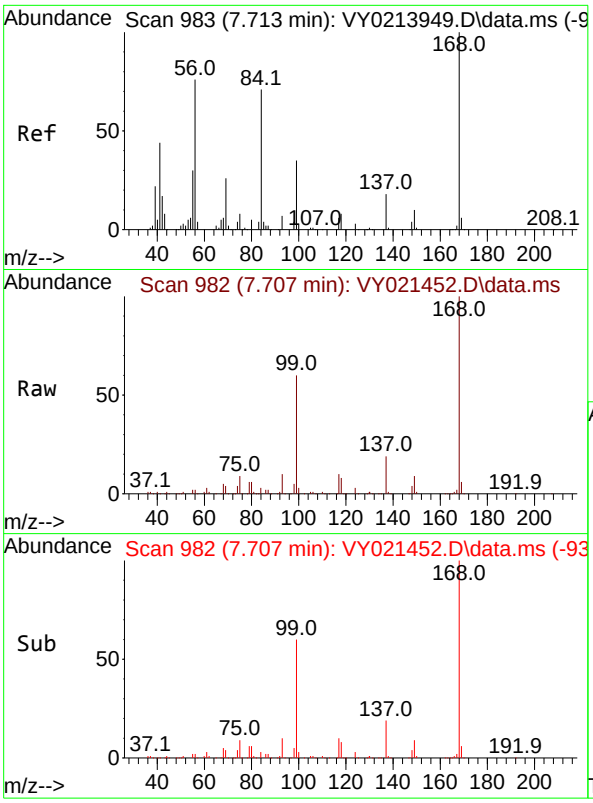
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Time: Mar 07 21:59:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



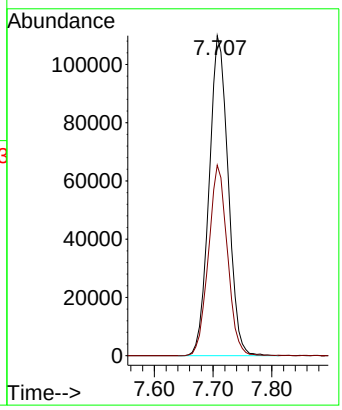


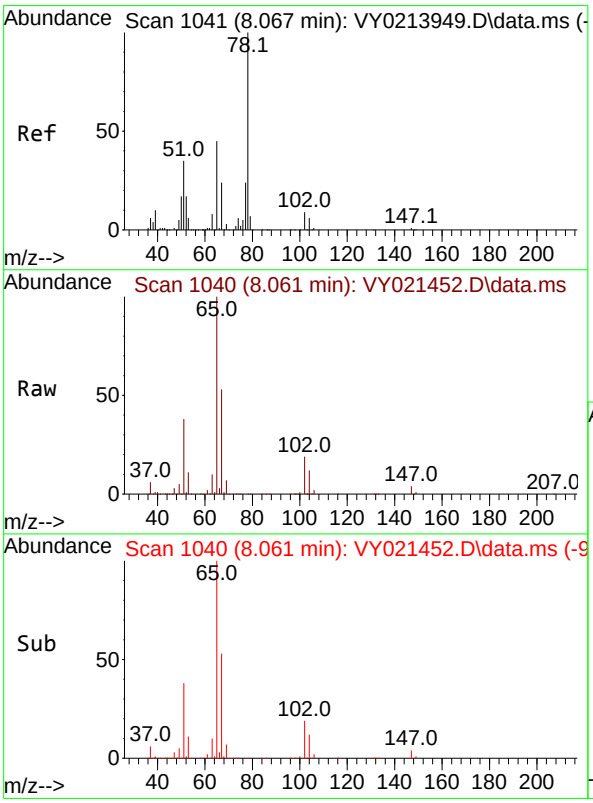
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion:168 Resp: 247432

Ion	Ratio	Lower	Upper
168	100		
99	59.5	46.0	69.0

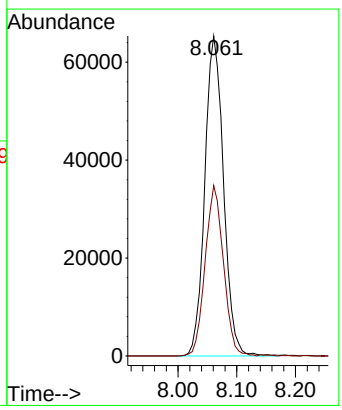


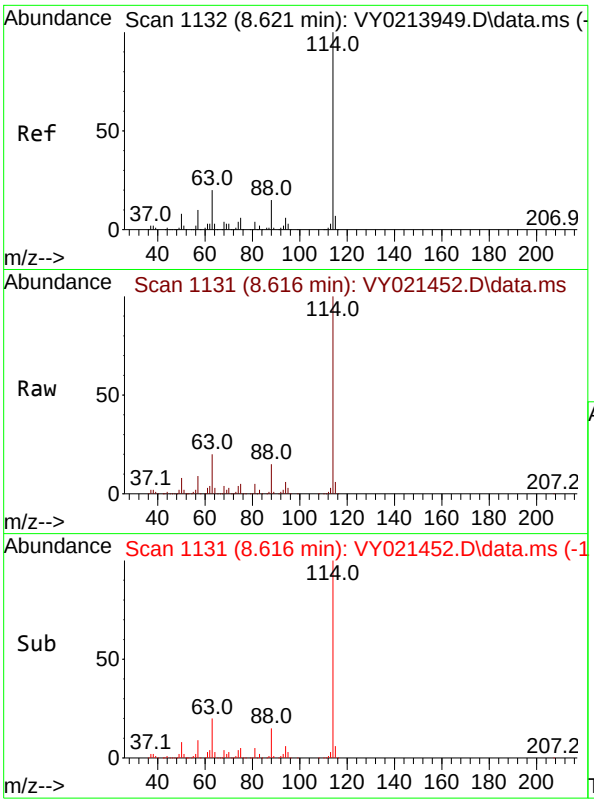


#33
1,2-Dichloroethane-d4
Concen: 55.396 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion: 65 Resp: 144872

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.8



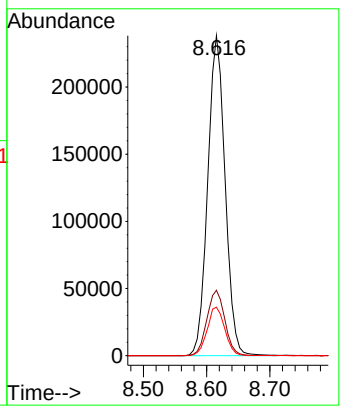


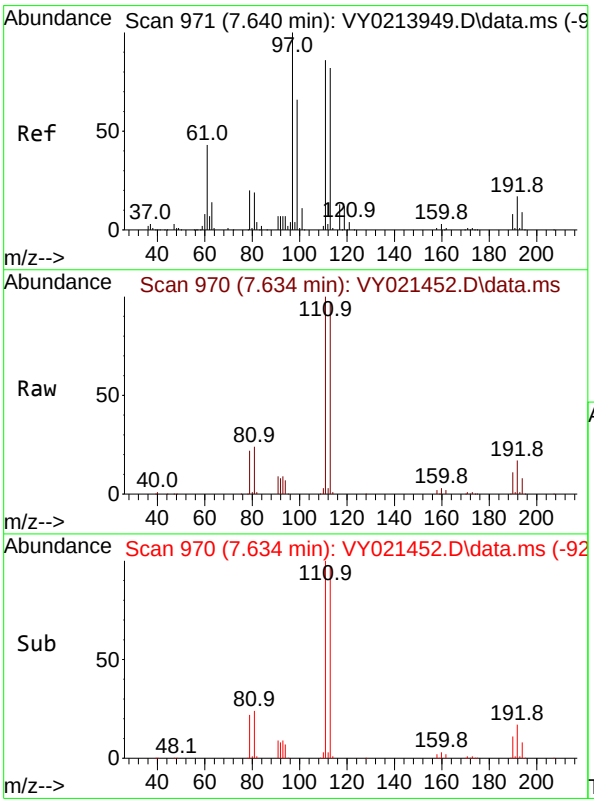
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion:114 Resp: 455944

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.1	0.0	30.8

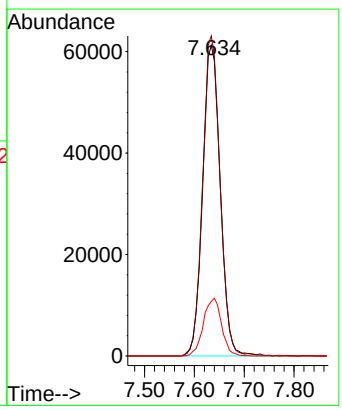


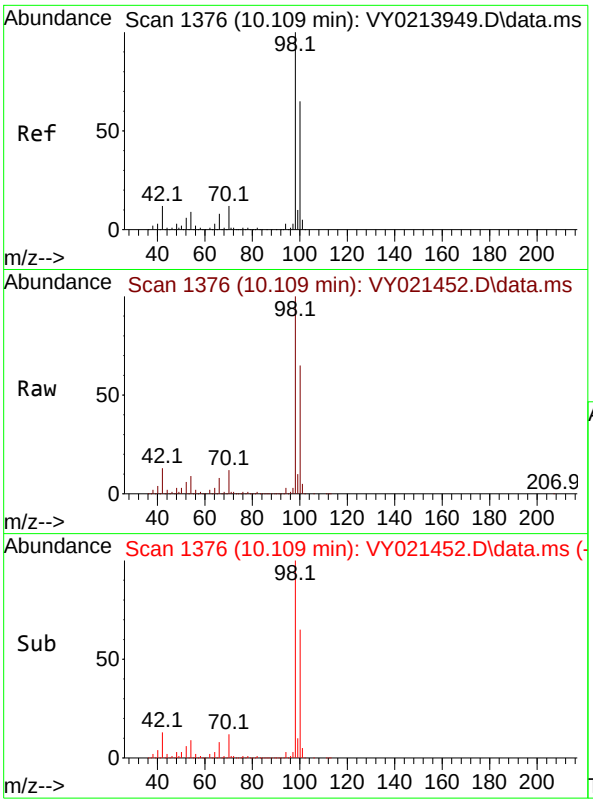


#35
Dibromofluoromethane
Concen: 50.204 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion:113 Resp: 150461

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	19.1	15.9	23.9



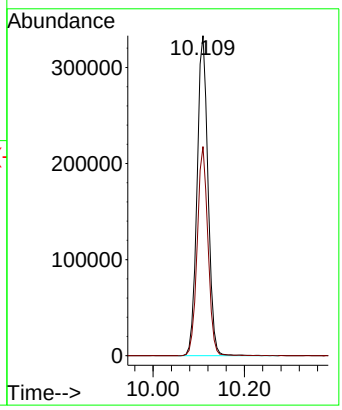


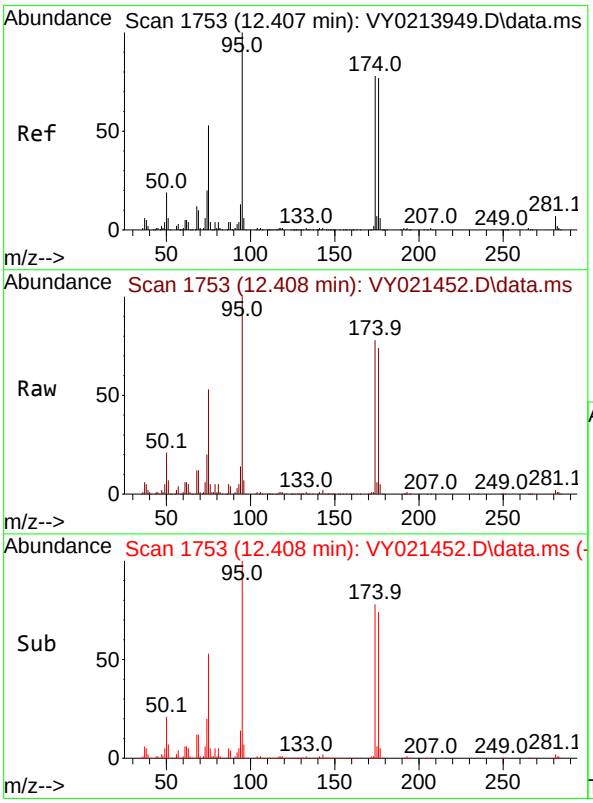
#50
Toluene-d8
Concen: 48.544 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion: 98 Resp: 550853

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

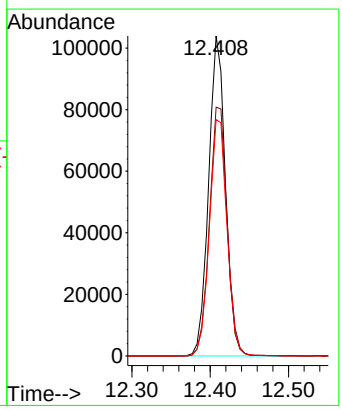


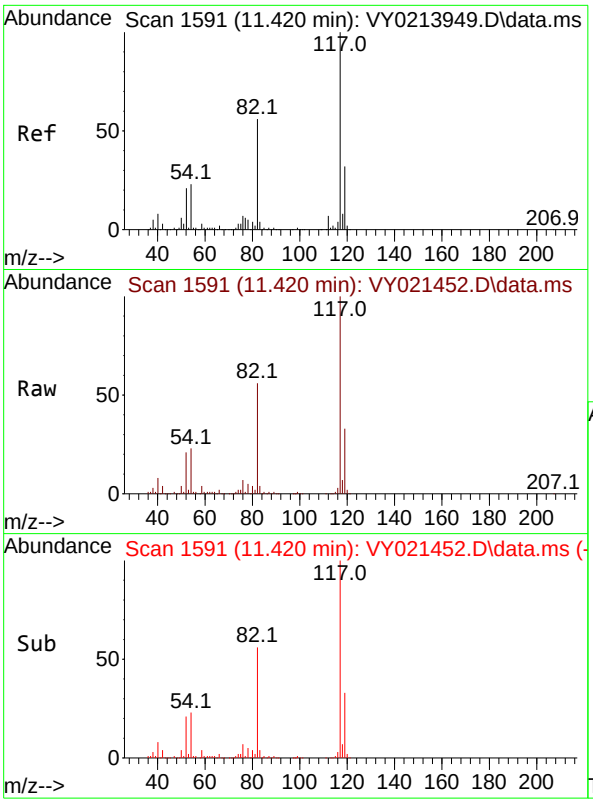


#62
4-Bromofluorobenzene
Concen: 40.081 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion: 95 Resp: 154713

Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	165.0
176	77.4	0.0	160.0



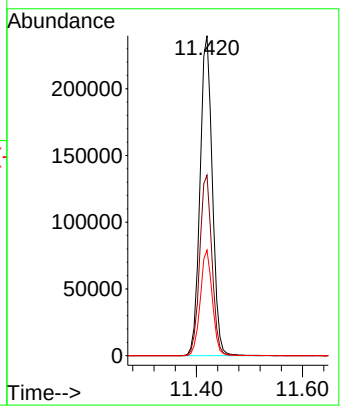


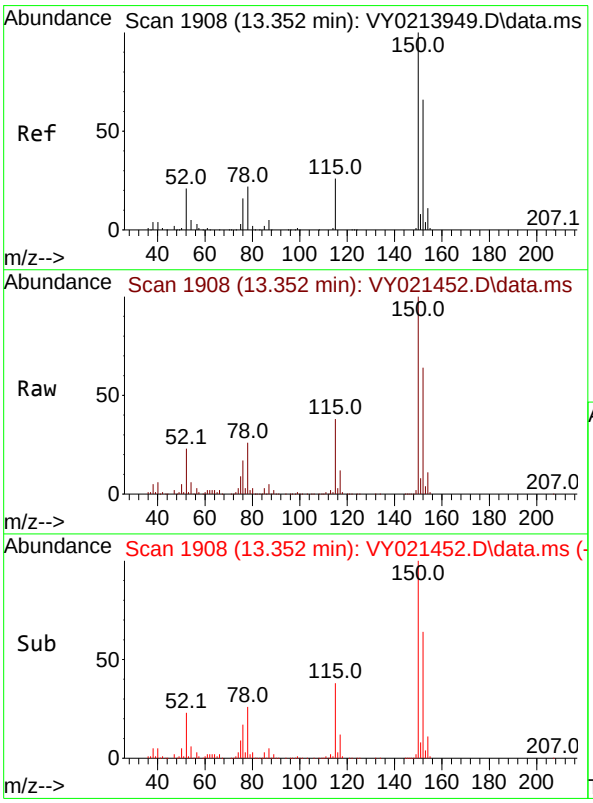
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Tgt Ion:117 Resp: 386511

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	67.0
119	33.0	25.4	38.0

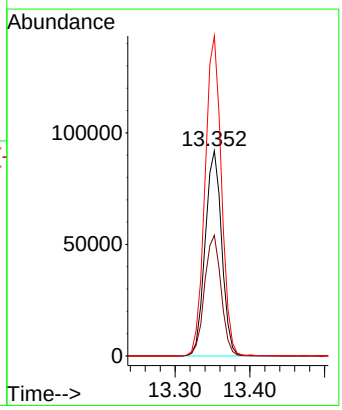




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion:152 Resp: 140975

Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.0	87.0
150	155.2	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	465	474	489	rBV5	6713	21614	1.45%	0.292%
2	7.634	959	970	976	rBV2	210541	513351	34.43%	6.943%
3	7.707	976	982	999	rVB	338300	768555	51.55%	10.395%
4	8.061	1029	1040	1052	rBV	185995	434924	29.17%	5.883%
5	8.616	1122	1131	1147	rBV	557975	1093393	73.33%	14.789%
6	10.109	1368	1376	1394	rBV	896710	1490983	100.00%	20.166%
7	10.512	1435	1442	1448	rBV2	35644	66019	4.43%	0.893%
8	11.249	1558	1563	1568	rBV3	10282	15899	1.07%	0.215%
9	11.420	1583	1591	1604	rBV	763696	1240793	83.22%	16.782%
10	12.408	1746	1753	1763	rBV	548094	859551	57.65%	11.626%
11	13.352	1901	1908	1915	rBV	569422	888398	59.58%	12.016%

Sum of corrected areas: 7393480

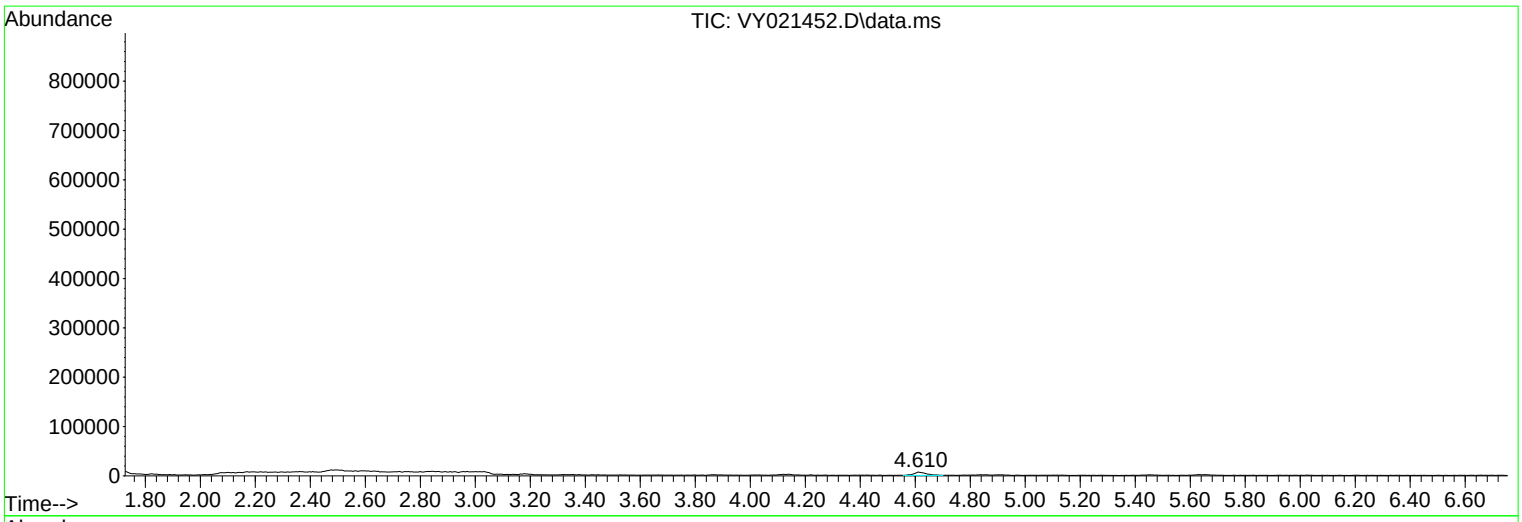
Sample Results: **VY021452.D**

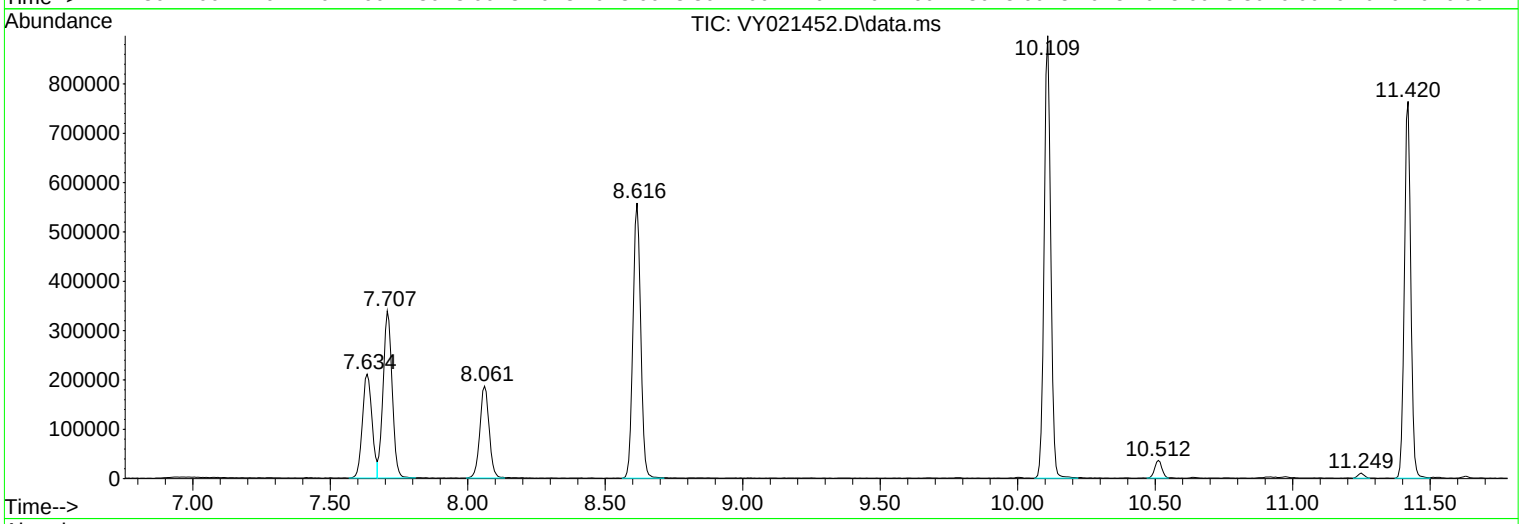
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

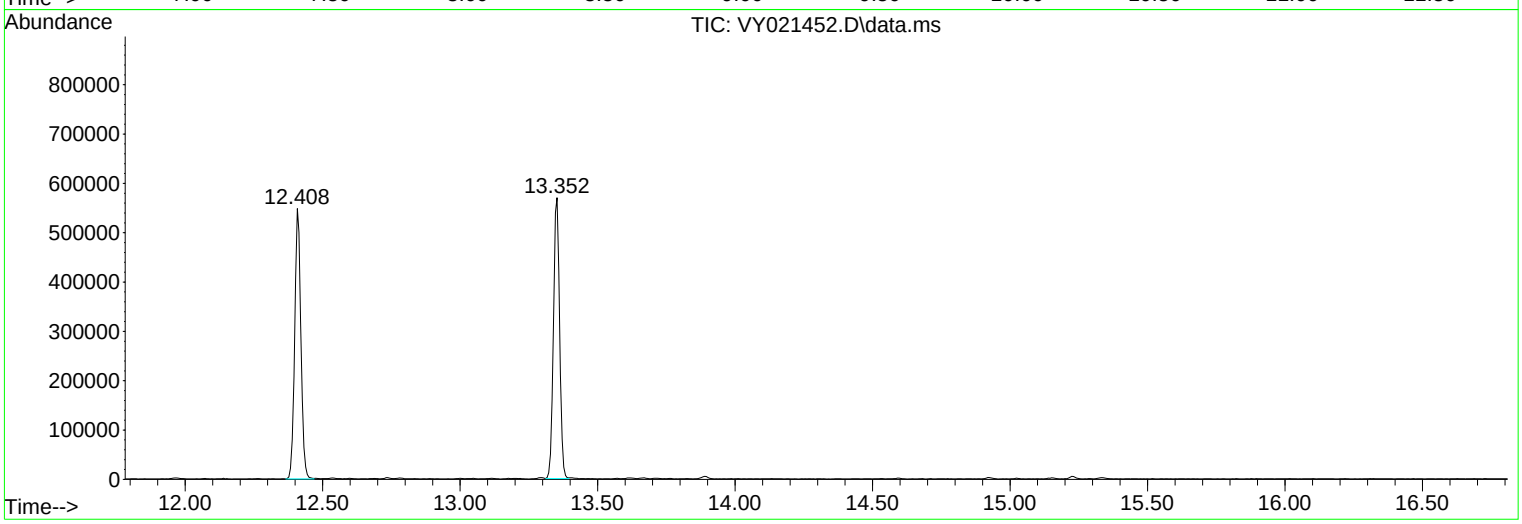
Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	200172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112611	53.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	104961	50.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.109	98	392444	49.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.408	95	136984	50.814	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33007	17.969	ug/l	94
3) Chloromethane	2.068	50	52532	20.284	ug/l	98
4) Vinyl Chloride	2.202	62	56741	20.049	ug/l	96
5) Bromomethane	2.592	94	44636	21.822	ug/l	98
6) Chloroethane	2.733	64	39312	21.019	ug/l	98
7) Trichlorofluoromethane	3.056	101	79025	20.005	ug/l	96
8) Diethyl Ether	3.452	74	22647	20.687	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	44869	19.895	ug/l	96
10) Methyl Iodide	4.007	142	41886	18.270	ug/l	99
11) Tert butyl alcohol	4.866	59	15090	95.800	ug/l	100
12) 1,1-Dichloroethene	3.781	96	39325	19.125	ug/l	93
13) Acrolein	3.647	56	17379	161.496	ug/l	92
14) Allyl chloride	4.385	41	63708	19.172	ug/l	100
15) Acrylonitrile	5.061	53	47217	101.322	ug/l	99
16) Acetone	3.879	43	36769	79.681	ug/l	90
17) Carbon Disulfide	4.104	76	120251	18.661	ug/l	99
18) Methyl Acetate	4.385	43	21063	20.572	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	104134	19.981	ug/l	95
20) Methylene Chloride	4.616	84	46665	19.265	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	44042	19.126	ug/l	94
22) Diisopropyl ether	6.019	45	146814	20.501	ug/l	99
23) Vinyl Acetate	5.964	43	414075	101.317	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85556	20.243	ug/l	99
25) 2-Butanone	6.896	43	59669	93.477	ug/l	100
26) 2,2-Dichloropropane	6.884	77	69379	17.840	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51434	19.661	ug/l	98
28) Bromochloromethane	7.244	49	36673	20.697	ug/l	98
29) Tetrahydrofuran	7.268	42	40269	102.187	ug/l	99
30) Chloroform	7.421	83	88331	20.126	ug/l	100
31) Cyclohexane	7.701	56	73140	18.459	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	77342	19.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	61060	18.637	ug/l	99
37) Ethyl Acetate	6.982	43	28431	19.633	ug/l	99
38) Carbon Tetrachloride	7.817	117	69637	18.481	ug/l	96
39) Methylcyclohexane	9.109	83	71256	17.731	ug/l	95
40) Benzene	8.079	78	186841	19.359	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	16604m	21.058	ug/l		
42) 1,2-Dichloroethane	8.158	62	54457	20.169	ug/l		99
43) Isopropyl Acetate	8.195	43	55820	19.857	ug/l	#	88
44) Trichloroethene	8.866	130	45767	18.765	ug/l		94
45) 1,2-Dichloropropane	9.140	63	46505	20.246	ug/l		96
46) Dibromomethane	9.231	93	26168	20.474	ug/l		97
47) Bromodichloromethane	9.420	83	67190	19.796	ug/l		98
48) Methyl methacrylate	9.219	41	24974	19.347	ug/l		99
49) 1,4-Dioxane	9.225	88	5504	438.744	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.000	43	146138	100.753	ug/l		98
52) Toluene	10.170	92	117027	19.233	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58703	19.631	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	68234	19.219	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	33464	20.016	ug/l		98
56) Ethyl methacrylate	10.438	69	41900	19.651	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58893	20.324	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	107422	109.136	ug/l		98
59) 2-Hexanone	10.762	43	94061	98.075	ug/l		98
60) Dibromochloromethane	10.914	129	45747	19.959	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31502	19.965	ug/l		100
64) Tetrachloroethene	10.646	164	43645	18.343	ug/l		99
65) Chlorobenzene	11.444	112	128656	18.619	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45244	18.520	ug/l		99
67) Ethyl Benzene	11.518	91	216170	17.824	ug/l		99
68) m/p-Xylenes	11.633	106	168512	36.598	ug/l		100
69) o-Xylene	11.957	106	77025	18.151	ug/l		100
70) Styrene	11.969	104	130672	18.561	ug/l		99
71) Bromoform	12.133	173	25622	18.762	ug/l	#	97
73) Isopropylbenzene	12.255	105	205378	17.133	ug/l		100
74) N-amyl acetate	12.072	43	47083	18.086	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	39820	18.824	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	28901m	18.847	ug/l		
77) Bromobenzene	12.536	156	49192	17.541	ug/l		99
78) n-propylbenzene	12.597	91	254198	17.461	ug/l		100
79) 2-Chlorotoluene	12.682	91	146854	17.642	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	173931	17.854	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12183	18.061	ug/l		96
82) 4-Chlorotoluene	12.780	91	154146	17.882	ug/l		100
83) tert-Butylbenzene	12.999	119	149456	17.198	ug/l		100
84) 1,2,4-Trimethylbenzene	13.048	105	173214	17.908	ug/l		98
85) sec-Butylbenzene	13.176	105	224638	17.373	ug/l		100
86) p-Isopropyltoluene	13.292	119	186440	17.502	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	98755	17.691	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	98346	18.014	ug/l		99
89) n-Butylbenzene	13.621	91	171737	17.459	ug/l		99
90) Hexachloroethane	13.883	117	39531	17.395	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	87199	18.225	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6144	19.390	ug/l		92
93) 1,2,4-Trichlorobenzene	14.925	180	45266	17.321	ug/l		98
94) Hexachlorobutadiene	15.029	225	29954	18.285	ug/l		99
95) Naphthalene	15.145	128	71743	18.264	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38134	17.350	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

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

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

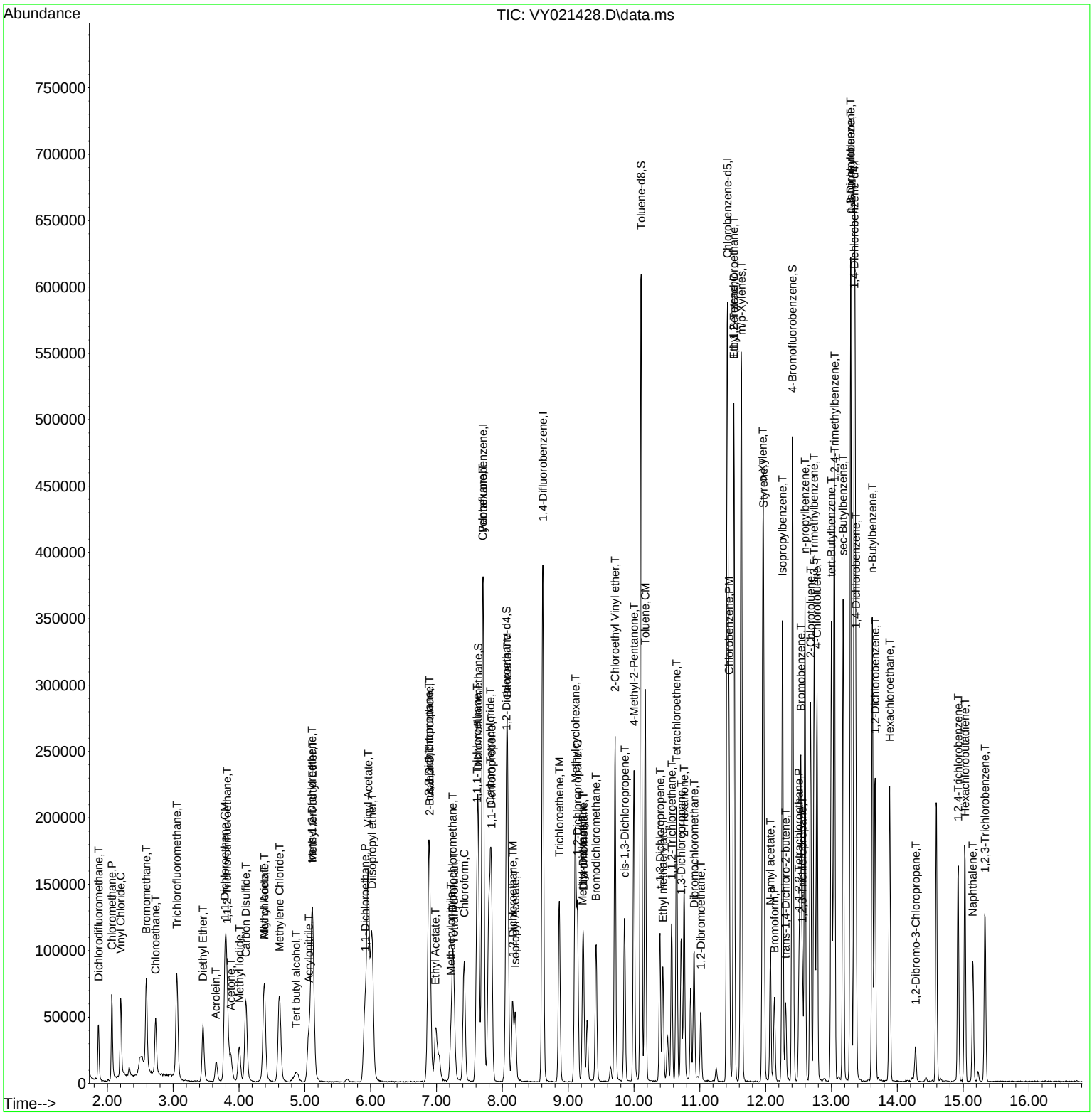
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123341	53.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.160%			
35) Dibromofluoromethane	7.634	113	117478	52.021	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.040%			
50) Toluene-d8	10.109	98	444032	51.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.408	95	148084	50.913	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39418	19.537	ug/l	94
3) Chloromethane	2.068	50	57411	20.182	ug/l	98
4) Vinyl Chloride	2.202	62	64302	20.685	ug/l	96
5) Bromomethane	2.592	94	46339	20.625	ug/l	96
6) Chloroethane	2.732	64	44175	21.504	ug/l	97
7) Trichlorofluoromethane	3.056	101	94934	21.880	ug/l	95
8) Diethyl Ether	3.452	74	23849	19.834	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	49349	19.921	ug/l	99
10) Methyl Iodide	4.007	142	48739	19.355	ug/l	100
11) Tert butyl alcohol	4.872	59	18258	108.044	ug/l	99
12) 1,1-Dichloroethene	3.787	96	43870	19.424	ug/l	97
13) Acrolein	3.647	56	16580	140.270	ug/l	95
14) Allyl chloride	4.385	41	70258	19.249	ug/l	99
15) Acrylonitrile	5.061	53	50908	99.456	ug/l	98
16) Acetone	3.866	43	58595	115.604	ug/l	96
17) Carbon Disulfide	4.104	76	133704	18.890	ug/l	99
18) Methyl Acetate	4.385	43	23025	20.473	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	110998	19.390	ug/l	99
20) Methylene Chloride	4.616	84	54760	20.582	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	49678	19.641	ug/l	95
22) Diisopropyl ether	6.018	45	157929	20.078	ug/l	99
23) Vinyl Acetate	5.957	43	450639	100.386	ug/l	99
24) 1,1-Dichloroethane	5.915	63	91407	19.690	ug/l	99
25) 2-Butanone	6.896	43	75161	107.199	ug/l	99
26) 2,2-Dichloropropane	6.884	77	82994	19.429	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	54488	18.963	ug/l	98
28) Bromochloromethane	7.244	49	37442	19.238	ug/l	99
29) Tetrahydrofuran	7.262	42	44158	102.018	ug/l	97
30) Chloroform	7.421	83	95944	19.903	ug/l	99
31) Cyclohexane	7.701	56	82128	18.870	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	86978	19.705	ug/l	99
36) 1,1-Dichloropropene	7.835	75	68637	19.417	ug/l	98
37) Ethyl Acetate	6.982	43	31592	20.220	ug/l	97
38) Carbon Tetrachloride	7.817	117	79070	19.449	ug/l	96
39) Methylcyclohexane	9.109	83	81593	18.818	ug/l	99
40) Benzene	8.079	78	202793	19.475	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	17773m	20.892	ug/l		
42) 1,2-Dichloroethane	8.158	62	57755	19.826	ug/l		100
43) Isopropyl Acetate	8.195	43	59917	19.755	ug/l	#	87
44) Trichloroethene	8.865	130	50339	19.130	ug/l		99
45) 1,2-Dichloropropane	9.140	63	49619	20.021	ug/l		97
46) Dibromomethane	9.231	93	27131	19.675	ug/l		99
47) Bromodichloromethane	9.426	83	71823	19.613	ug/l		99
48) Methyl methacrylate	9.219	41	27630	19.839	ug/l		98
49) 1,4-Dioxane	9.237	88	5803	428.740	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	157126	100.404	ug/l		98
52) Toluene	10.170	92	128919	19.637	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	62838	19.476	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	73636	19.223	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	35572	19.720	ug/l		96
56) Ethyl methacrylate	10.438	69	44620	19.396	ug/l		100
57) 1,3-Dichloropropane	10.719	76	60936	19.491	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	107568	101.290	ug/l		99
59) 2-Hexanone	10.762	43	109553	105.872	ug/l		98
60) Dibromochloromethane	10.914	129	47870	19.358	ug/l		99
61) 1,2-Dibromoethane	11.018	107	33437	19.641	ug/l		97
64) Tetrachloroethene	10.646	164	48058	19.598	ug/l		98
65) Chlorobenzene	11.444	112	135015	18.959	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	48814	19.388	ug/l		100
67) Ethyl Benzene	11.517	91	238496	19.081	ug/l		99
68) m/p-Xylenes	11.627	106	184669	38.916	ug/l		99
69) o-Xylene	11.956	106	83621	19.120	ug/l		99
70) Styrene	11.969	104	140205	19.324	ug/l		99
71) Bromoform	12.133	173	28337	20.134	ug/l	#	98
73) Isopropylbenzene	12.255	105	227722	18.919	ug/l		100
74) N-amyl acetate	12.072	43	49116	18.789	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	41732	19.647	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	30660m	19.912	ug/l		
77) Bromobenzene	12.536	156	51851	18.413	ug/l		98
78) n-propylbenzene	12.597	91	280785	19.208	ug/l		100
79) 2-Chlorotoluene	12.682	91	159129	19.038	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	187183	19.136	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	13174	19.450	ug/l		95
82) 4-Chlorotoluene	12.779	91	166239	19.206	ug/l		100
83) tert-Butylbenzene	12.999	119	163102	18.691	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	185591	19.109	ug/l		100
85) sec-Butylbenzene	13.176	105	249181	19.192	ug/l		100
86) p-Isopropyltoluene	13.292	119	202582	18.939	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	105372	18.798	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	104875	19.131	ug/l		98
89) n-Butylbenzene	13.621	91	186240	18.856	ug/l		99
90) Hexachloroethane	13.883	117	43553	19.087	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	91257	18.995	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6311	19.835	ug/l		90
93) 1,2,4-Trichlorobenzene	14.925	180	47173	17.977	ug/l		97
94) Hexachlorobutadiene	15.029	225	31456	19.123	ug/l		99
95) Naphthalene	15.151	128	74806	18.887	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	39961	18.107	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

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

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

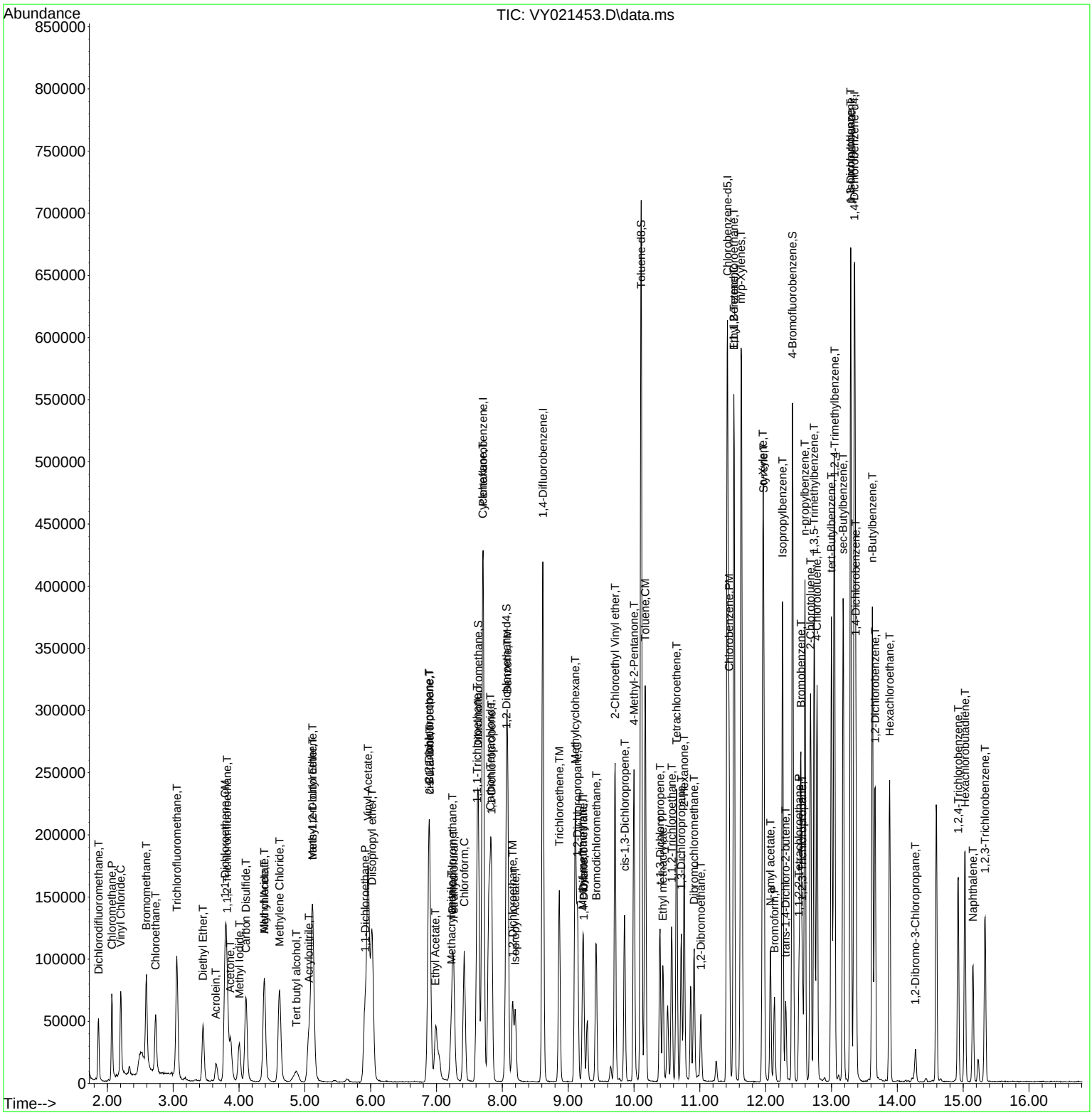
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	197190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	284896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114552	54.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.920%			
35) Dibromofluoromethane	7.634	113	108456	52.046	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.100%			
50) Toluene-d8	10.103	98	405827	51.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.408	95	141225	52.620	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	35558	19.650	ug/l	96
3) Chloromethane	2.068	50	52949	20.755	ug/l	96
4) Vinyl Chloride	2.202	62	58685	21.049	ug/l	99
5) Bromomethane	2.586	94	42039	20.863	ug/l	95
6) Chloroethane	2.733	64	40824	22.158	ug/l	94
7) Trichlorofluoromethane	3.056	101	80838	20.774	ug/l	96
8) Diethyl Ether	3.452	74	22347	20.722	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	43988	19.799	ug/l	99
10) Methyl Iodide	4.001	142	44089	19.522	ug/l	100
11) Tert butyl alcohol	4.860	59	17013	113.220	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	40773	20.129	ug/l	98
13) Acrolein	3.653	56	17122	161.514	ug/l	96
14) Allyl chloride	4.385	41	65445	19.993	ug/l	98
15) Acrylonitrile	5.055	53	48263	105.132	ug/l	99
16) Acetone	3.867	43	37789	83.130	ug/l	92
17) Carbon Disulfide	4.104	76	123987	19.532	ug/l	100
18) Methyl Acetate	4.385	43	21520	21.336	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	104712	20.396	ug/l	99
20) Methylene Chloride	4.616	84	48615	20.374	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	45523	20.068	ug/l	91
22) Diisopropyl ether	6.019	45	148861	21.102	ug/l	97
23) Vinyl Acetate	5.958	43	418814	104.026	ug/l	98
24) 1,1-Dichloroethane	5.915	63	85283	20.483	ug/l	98
25) 2-Butanone	6.890	43	59932	95.309	ug/l	97
26) 2,2-Dichloropropane	6.884	77	70954	18.521	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	51954	20.160	ug/l	99
28) Bromochloromethane	7.244	49	33556	19.224	ug/l	98
29) Tetrahydrofuran	7.256	42	40277	103.753	ug/l	99
30) Chloroform	7.415	83	91972	21.273	ug/l	96
31) Cyclohexane	7.701	56	73337	18.788	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	79136	19.991	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62244	19.082	ug/l	98
37) Ethyl Acetate	6.988	43	29173	20.235	ug/l	97
38) Carbon Tetrachloride	7.817	117	70264	18.730	ug/l	98
39) Methylcyclohexane	9.110	83	72710	18.173	ug/l	99
40) Benzene	8.079	78	190921	19.869	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.214	41	15276	19.460 ug/l	95
42) 1,2-Dichloroethane	8.152	62	54960	20.446 ug/l	99
43) Isopropyl Acetate	8.195	43	54803	19.581 ug/l #	88
44) Trichloroethene	8.866	130	46195	19.025 ug/l	93
45) 1,2-Dichloropropane	9.140	63	46832	20.478 ug/l	95
46) Dibromomethane	9.231	93	25456	20.006 ug/l	98
47) Bromodichloromethane	9.420	83	68125	20.160 ug/l	99
48) Methyl methacrylate	9.219	41	24350	18.947 ug/l	95
49) 1,4-Dioxane	9.225	88	5487	439.330 ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	145575	100.811 ug/l	98
52) Toluene	10.170	92	119217	19.680 ug/l	100
53) t-1,3-Dichloropropene	10.390	75	57714	19.386 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	68787	19.461 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33986	20.418 ug/l	94
56) Ethyl methacrylate	10.439	69	41790	19.686 ug/l	98
57) 1,3-Dichloropropane	10.719	76	59572	20.650 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	105149	107.301 ug/l	98
59) 2-Hexanone	10.762	43	92172	96.532 ug/l	98
60) Dibromochloromethane	10.908	129	45450	19.918 ug/l	100
61) 1,2-Dibromoethane	11.012	107	31489	20.045 ug/l	100
64) Tetrachloroethene	10.646	164	43602	18.821 ug/l	97
65) Chlorobenzene	11.438	112	128907	19.161 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	45704	19.215 ug/l	98
67) Ethyl Benzene	11.518	91	220217	18.649 ug/l	99
68) m/p-Xylenes	11.627	106	169502	37.809 ug/l	98
69) o-Xylene	11.957	106	77803	18.830 ug/l	99
70) Styrene	11.969	104	133689	19.504 ug/l	99
71) Bromoform	12.127	173	26030	19.577 ug/l #	100
73) Isopropylbenzene	12.255	105	208083	18.150 ug/l	99
74) N-amyl acetate	12.066	43	47561	19.102 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	38365	18.963 ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28008m	19.097 ug/l	
77) Bromobenzene	12.530	156	50969	19.003 ug/l	100
78) n-propylbenzene	12.597	91	256602	18.429 ug/l	100
79) 2-Chlorotoluene	12.682	91	149480	18.776 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	171567	18.415 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	11197	17.356 ug/l	94
82) 4-Chlorotoluene	12.780	91	153440	18.612 ug/l	99
83) tert-Butylbenzene	12.999	119	155498	18.709 ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	175877	19.013 ug/l	99
85) sec-Butylbenzene	13.176	105	227701	18.413 ug/l	100
86) p-Isopropyltoluene	13.292	119	187268	18.381 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	98798	18.505 ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	99121	18.984 ug/l	99
89) n-Butylbenzene	13.621	91	171306	18.209 ug/l	99
90) Hexachloroethane	13.877	117	39511	18.179 ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	87985	19.228 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5795	19.122 ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	46812	18.729 ug/l	97
94) Hexachlorobutadiene	15.023	225	30717	19.606 ug/l	96
95) Naphthalene	15.145	128	72201	19.111 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39613	18.844 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

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

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

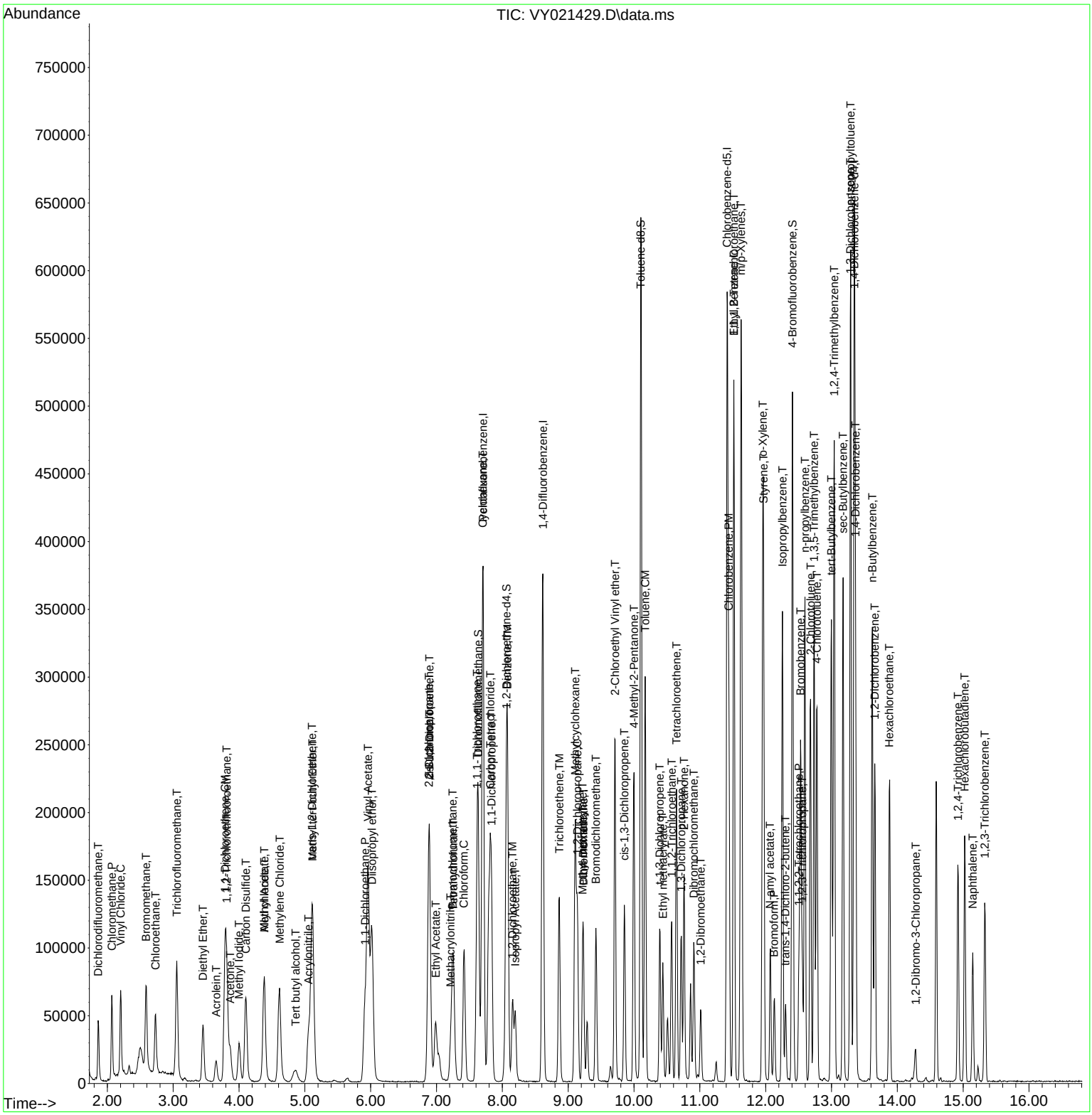
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vy030625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021426.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:05 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	Methacrylonitrile	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBSD01	VY021429.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:03 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VSTDCCC050	VY021449.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:31:54 PM	SAM	3/7/2025 1:32:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy030725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021451.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:32 PM	SAM	3/11/2025 2:52:15 PM	Peak Integrated by Software
VY0307SBS01	VY021453.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:33 PM	SAM	3/11/2025 2:52:16 PM	Peak Integrated by Software
VY0307SBS01	VY021453.D	Methacrylonitrile	MMDadoda	3/11/2025 2:51:33 PM	SAM	3/11/2025 2:52:16 PM	Peak Integrated by Software
Q1479-02	VY021456.D	1,2-Dichloroethane-d4	MMDadoda	3/11/2025 2:51:37 PM	SAM	3/11/2025 2:52:23 PM	Peak Integrated by Software
Q1479-02	VY021456.D	1,4-Difluorobenzene	MMDadoda	3/11/2025 2:51:37 PM	SAM	3/11/2025 2:52:23 PM	Peak Integrated by Software
Q1479-02	VY021456.D	Dibromofluoromethane	MMDadoda	3/11/2025 2:51:37 PM	SAM	3/11/2025 2:52:23 PM	Peak Integrated by Software
Q1479-02	VY021456.D	Pentafluorobenzene	MMDadoda	3/11/2025 2:51:37 PM	SAM	3/11/2025 2:52:23 PM	Peak Integrated by Software
Q1479-02	VY021456.D	Toluene	MMDadoda	3/11/2025 2:51:37 PM	SAM	3/11/2025 2:52:23 PM	Peak Integrated by Software
Q1479-02	VY021456.D	Toluene-d8	MMDadoda	3/11/2025 2:51:37 PM	SAM	3/11/2025 2:52:23 PM	Peak Integrated by Software
VSTDCCC050	VY021472.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:41 PM	SAM	3/11/2025 2:52:26 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021425.D	06 Mar 2025 09:39	SY/MD	Ok
2	VSTDCCC050	VY021426.D	06 Mar 2025 10:10	SY/MD	Ok,M
3	VY0306SBL01	VY021427.D	06 Mar 2025 11:59	SY/MD	Ok
4	VY0306SBS01	VY021428.D	06 Mar 2025 12:33	SY/MD	Ok,M
5	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55	SY/MD	Ok,M
6	Q1489-05	VY021430.D	06 Mar 2025 13:28	SY/MD	Ok
7	Q1489-01	VY021431.D	06 Mar 2025 13:52	SY/MD	Not Ok
8	Q1421-09	VY021432.D	06 Mar 2025 14:15	SY/MD	Ok
9	Q1479-01	VY021433.D	06 Mar 2025 14:39	SY/MD	Ok
10	Q1479-02	VY021434.D	06 Mar 2025 15:02	SY/MD	ReRun
11	Q1488-01	VY021435.D	06 Mar 2025 15:25	SY/MD	Ok
12	Q1488-03	VY021436.D	06 Mar 2025 15:49	SY/MD	Ok
13	Q1488-05	VY021437.D	06 Mar 2025 16:12	SY/MD	Ok
14	Q1488-07	VY021438.D	06 Mar 2025 16:36	SY/MD	Not Ok
15	Q1488-09	VY021439.D	06 Mar 2025 16:59	SY/MD	ReRun
16	Q1488-11	VY021440.D	06 Mar 2025 17:22	SY/MD	Not Ok
17	Q1463-01	VY021441.D	06 Mar 2025 17:46	SY/MD	Ok
18	Q1463-05	VY021442.D	06 Mar 2025 18:09	SY/MD	Ok
19	Q1463-04	VY021443.D	06 Mar 2025 18:33	SY/MD	Ok
20	Q1463-06	VY021444.D	06 Mar 2025 18:56	SY/MD	Ok
21	Q1463-07	VY021445.D	06 Mar 2025 19:20	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1463-08	VY021446.D	06 Mar 2025 19:43	SY/MD	Ok
23	Q1463-09	VY021447.D	06 Mar 2025 20:06	SY/MD	Ok
24	Q1463-10	VY021448.D	06 Mar 2025 20:30	SY/MD	ReRun
25	VSTDCCC050	VY021449.D	06 Mar 2025 21:15	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM				
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021450.D	07 Mar 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VY021451.D	07 Mar 2025 09:59	SY/MD	Ok,M
3	VY0307SBL01	VY021452.D	07 Mar 2025 10:35	SY/MD	Ok
4	VY0307SBS01	VY021453.D	07 Mar 2025 12:03	SY/MD	Ok,M
5	VY0307SBSD01	VY021454.D	07 Mar 2025 12:26	SY/MD	Ok,M
6	Q1463-03	VY021455.D	07 Mar 2025 12:55	SY/MD	Ok,M
7	Q1479-02	VY021456.D	07 Mar 2025 13:18	SY/MD	Ok,M
8	Q1463-02	VY021457.D	07 Mar 2025 13:42	SY/MD	ReRun
9	Q1463-10	VY021458.D	07 Mar 2025 14:05	SY/MD	Ok
10	Q1488-07	VY021459.D	07 Mar 2025 14:28	SY/MD	Ok,M
11	Q1488-09	VY021460.D	07 Mar 2025 14:52	SY/MD	Ok
12	Q1488-11	VY021461.D	07 Mar 2025 15:15	SY/MD	Ok
13	Q1514-01	VY021462.D	07 Mar 2025 15:39	SY/MD	ReRun
14	Q1514-03	VY021463.D	07 Mar 2025 16:02	SY/MD	ReRun
15	Q1514-05	VY021464.D	07 Mar 2025 16:25	SY/MD	ReRun
16	Q1515-02	VY021465.D	07 Mar 2025 16:49	SY/MD	ReRun
17	Q1507-01	VY021466.D	07 Mar 2025 17:12	SY/MD	Not Ok
18	Q1508-01	VY021467.D	07 Mar 2025 17:36	SY/MD	ReRun
19	Q1494-05	VY021468.D	07 Mar 2025 17:59	SY/MD	ReRun
20	Q1494-03	VY021469.D	07 Mar 2025 18:23	SY/MD	ReRun
21	Q1494-07	VY021470.D	07 Mar 2025 18:46	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM				
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1490-01	VY021471.D	07 Mar 2025 19:09	SY/MD	Not Ok
23	VSTDCCC050	VY021472.D	07 Mar 2025 19:32	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021425.D	06 Mar 2025 09:39		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021426.D	06 Mar 2025 10:10		SY/MD	Ok,M
3	VY0306SBL01	VY0306SBL01	VY021427.D	06 Mar 2025 11:59		SY/MD	Ok
4	VY0306SBS01	VY0306SBS01	VY021428.D	06 Mar 2025 12:33		SY/MD	Ok,M
5	VY0306SBSD01	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55		SY/MD	Ok,M
6	Q1489-05	TP-2	VY021430.D	06 Mar 2025 13:28	vial-B	SY/MD	Ok
7	Q1489-01	TP-1	VY021431.D	06 Mar 2025 13:52	vial-B Not purge	SY/MD	Not Ok
8	Q1421-09	P001-CLAY-CF02-01	VY021432.D	06 Mar 2025 14:15	vial-B	SY/MD	Ok
9	Q1479-01	P5	VY021433.D	06 Mar 2025 14:39	vial-A	SY/MD	Ok
10	Q1479-02	DSP2	VY021434.D	06 Mar 2025 15:02	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q1488-01	ENV-101-SB01	VY021435.D	06 Mar 2025 15:25	vial-A	SY/MD	Ok
12	Q1488-03	ENV-101-SB02	VY021436.D	06 Mar 2025 15:49	vial-A	SY/MD	Ok
13	Q1488-05	ENV-102-SB01	VY021437.D	06 Mar 2025 16:12	vial-A	SY/MD	Ok
14	Q1488-07	ENV-102-SB02	VY021438.D	06 Mar 2025 16:36	vial-A Not purge	SY/MD	Not Ok
15	Q1488-09	ENV-104-SB01	VY021439.D	06 Mar 2025 16:59	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1488-11	ENV-104-SB02	VY021440.D	06 Mar 2025 17:22	vial-A Not purge	SY/MD	Not Ok
17	Q1463-01	T1	VY021441.D	06 Mar 2025 17:46	vial-B	SY/MD	Ok
18	Q1463-05	T5	VY021442.D	06 Mar 2025 18:09	vial-B	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM		
SubDirectory	VY030625	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133223
Initial Calibration Stds	
CCC	VP133224,VP133225
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1463-04	T4	VY021443.D	06 Mar 2025 18:33	Vial-B	SY/MD	Ok
20	Q1463-06	T6	VY021444.D	06 Mar 2025 18:56	Vial-A	SY/MD	Ok
21	Q1463-07	T7	VY021445.D	06 Mar 2025 19:20	Vial-A	SY/MD	Ok
22	Q1463-08	T8	VY021446.D	06 Mar 2025 19:43	Vial-A	SY/MD	Ok
23	Q1463-09	T9	VY021447.D	06 Mar 2025 20:06	Vial-A	SY/MD	Ok
24	Q1463-10	T10	VY021448.D	06 Mar 2025 20:30	Vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021449.D	06 Mar 2025 21:15		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021450.D	07 Mar 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021451.D	07 Mar 2025 09:59		SY/MD	Ok,M
3	VY0307SBL01	VY0307SBL01	VY021452.D	07 Mar 2025 10:35		SY/MD	Ok
4	VY0307SBS01	VY0307SBS01	VY021453.D	07 Mar 2025 12:03		SY/MD	Ok,M
5	VY0307SBSD01	VY0307SBSD01	VY021454.D	07 Mar 2025 12:26	BSD Failed Low for com.#73,87,88	SY/MD	Ok,M
6	Q1463-03	T3	VY021455.D	07 Mar 2025 12:55	vial-B	SY/MD	Ok,M
7	Q1479-02	DSP2	VY021456.D	07 Mar 2025 13:18	vial-B	SY/MD	Ok,M
8	Q1463-02	T2	VY021457.D	07 Mar 2025 13:42	vial-A Internal standard fail	SY/MD	ReRun
9	Q1463-10	T10	VY021458.D	07 Mar 2025 14:05	vial-B	SY/MD	Ok
10	Q1488-07	ENV-102-SB02	VY021459.D	07 Mar 2025 14:28	vial-B	SY/MD	Ok,M
11	Q1488-09	ENV-104-SB01	VY021460.D	07 Mar 2025 14:52	Vial-B	SY/MD	Ok
12	Q1488-11	ENV-104-SB02	VY021461.D	07 Mar 2025 15:15	Vial-B Internal standard fail	SY/MD	Ok
13	Q1514-01	ENV-105-SB01	VY021462.D	07 Mar 2025 15:39	Vial-A BSD failed Low	SY/MD	ReRun
14	Q1514-03	ENV-105-SB02	VY021463.D	07 Mar 2025 16:02	Vial-A BSD failed Low	SY/MD	ReRun
15	Q1514-05	ENV-103-SB01	VY021464.D	07 Mar 2025 16:25	Vial-A BSD failed Low	SY/MD	ReRun
16	Q1515-02	AU-06-030625-E2	VY021465.D	07 Mar 2025 16:49	Vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
17	Q1507-01	50-MIDDLESEX-AVE	VY021466.D	07 Mar 2025 17:12	Vial-A Not purge	SY/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133232
Initial Calibration Stds	
CCC	VP133233,VP133234
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1508-01	RBR251372	VY021467.D	07 Mar 2025 17:36	Vial-A Internal standard fail	SY/MD	ReRun
19	Q1494-05	SOIL	VY021468.D	07 Mar 2025 17:59	Vial-A Internal standard fail	SY/MD	ReRun
20	Q1494-03	ASPHALT-SOIL	VY021469.D	07 Mar 2025 18:23	Vial-A Internal standard fail	SY/MD	ReRun
21	Q1494-07	SOIL-COMP	VY021470.D	07 Mar 2025 18:46	Vial-A Internal standard fail	SY/MD	ReRun
22	Q1490-01	CLAY-SLUDGE-DRUM	VY021471.D	07 Mar 2025 19:09	Vial-A Not purge	SY/MD	Not Ok
23	VSTDCCC050	VSTDCCC050EC	VY021472.D	07 Mar 2025 19:32		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1479	**OrderDate:**	3/3/2025 1:09:00 PM
Client:	G Environmental	**Project:**	Fisal
Contact:	Gary Landis	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1479-01	**P5**	**SOIL**			**03/03/25**			**03/03/25**
			VOCMS Group2	8260D			03/06/25	
Q1479-02	**DSP2**	**SOIL**			**03/03/25**			**03/03/25**
			VOCMS Group2	8260D			03/07/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1479
QUOTE NO.
COC Number 2046137

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carrington
CITY Secaucus STATE: NJ ZIP 07096
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Fisal
PROJECT NO.: LOCATION:
PROJECT MANAGER: GE
e-mail: gfey@g-environmental.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental PO#:
ADDRESS: 8 Carrington
CITY Secaucus STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other excel
☒ EDD FORMAT NJ EQuIS pdf

ANALYSIS

TCL VOCs + TICs TBA TBA

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								Yellow tops									← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	P5	Soil		X	3/3/25	0915	5	X									
2.	DSP2	Soil		X	3/3/25	0930	5	X									
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3-3-25 1205	1.
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: FISAL IR Gun #1

Page _____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1479 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 3/3/2025 1:09:00 PM
Project Name : Fisal
Receive DateTime : 3/3/2025 12:05:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1479-01	P5	Solid	03/03/2025	09:15					
					VOCMS Group2		8260D		10 Bus. Days
Q1479-02	DSP2	Solid	03/03/2025	09:30					
					VOCMS Group2		8260D		10 Bus. Days

Relinguished By : _____
Date / Time : 3-3-25 1355

Received By : _____
Date / Time : 3.3.25 13:55

Storage Area : VOA Refridgerator Room