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

Hit Summary Sheet
SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

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

0

Total Voc :

Total Concentration:

SAMPLE DATA

Raw Data: **VU063434.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	PW-B6-L66-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063434.D	1		06/24/25 12:54	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.80		70 (70) - 130 (130)	80%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.80		70 (70) - 130 (130)	80%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	46300	6.107			

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

Raw Data: **VU063435.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	TB01-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-03	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063435.D	1		06/24/25 13:22	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.92		70 (70) - 130 (130)	92%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.89		70 (70) - 130 (130)	89%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	40700	6.107			

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

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

Surrogate Summary

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2377-01	PW-B6-L66-061925	1,2-Dichlorobenzene-d4	1	0.80	80	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.80	80	70 (70)	130 (130)
Q2377-03	TB01-061925	1,2-Dichlorobenzene-d4	1	0.92	92	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.89	89	70 (70)	130 (130)
VU0624WBL01	VU0624WBL01	1,2-Dichlorobenzene-d4	1	0.73	73	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.74	74	70 (70)	130 (130)
VU0624WBS01	VU0624WBS01	1,2-Dichlorobenzene-d4	1	0.99	99	70 (70)	130 (130)
		4-Bromofluorobenzene	1	1.00	100	70 (70)	130 (130)
VU0624WBSD0	VU0624WBSD01	1,2-Dichlorobenzene-d4	1	1.00	100	70 (70)	130 (130)
		4-Bromofluorobenzene	1	1.00	100	70 (70)	130 (130)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2 **Datafile :** VU063432.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VU0624WBS01	Vinyl Chloride	2	1.70	ug/L	85			70 (70)	130 (130)	
	1,1-Dichloroethene	2	1.70	ug/L	85			70 (70)	130 (130)	
	1,1-Dichloroethane	2	2.00	ug/L	100			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	2	2.00	ug/L	100			70 (70)	130 (130)	
	Benzene	2	2.00	ug/L	100			70 (70)	130 (130)	
	1,2-Dichloroethane	2	2.00	ug/L	100			70 (70)	130 (130)	
	Trichloroethene	2	1.90	ug/L	95			70 (70)	130 (130)	
	1,1,2-Trichloroethane	2	1.90	ug/L	95			70 (70)	130 (130)	
	Tetrachloroethene	2	2.00	ug/L	100			70 (70)	130 (130)	
	1,1,1,2-Tetrachloroethane	2	1.90	ug/L	95			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2 **Datafile :** VU063433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VU0624WBSD01	Vinyl Chloride	2	1.70	ug/L	85	0		70 (70)	130 (130)	20 (20)
	1,1-Dichloroethene	2	2.20	ug/L	110	26	*	70 (70)	130 (130)	20 (20)
	1,1-Dichloroethane	2	2.10	ug/L	105	5		70 (70)	130 (130)	20 (20)
	cis-1,2-Dichloroethene	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	Benzene	2	2.10	ug/L	105	5		70 (70)	130 (130)	20 (20)
	1,2-Dichloroethane	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	Trichloroethene	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)
	1,1,2-Trichloroethane	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)
	Tetrachloroethene	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	1,1,1,2-Tetrachloroethane	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VU0624WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063431.D Lab Sample ID: VU0624WBL01

Date Analyzed: 06/24/2025 Time Analyzed: 11:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_U

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VU0624WBS01	VU0624WBS01	VU063432.D	06/24/2025
VU0624WBSD01	VU0624WBSD01	VU063433.D	06/24/2025
PW-B6-L66-061925	Q2377-01	VU063434.D	06/24/2025
TB01-061925	Q2377-03	VU063435.D	06/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063419.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_U BFB Injection Time: 08:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	71.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VU063421.D	06/23/2025	10:34
VSTDICC002	VSTDICC002	VU063422.D	06/23/2025	11:08
VSTDICC005	VSTDICC005	VU063423.D	06/23/2025	11:39
VSTDICCC010	VSTDICCC010	VU063424.D	06/23/2025	12:12
VSTDICC015	VSTDICC015	VU063425.D	06/23/2025	13:05
VSTDICC0.5	VSTDICC0.5	VU063427.D	06/23/2025	14:36

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063429.D BFB Injection Date: 06/24/2025

Instrument ID: MSVOA_U BFB Injection Time: 09:49

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.9 (7.8) 1
176	95.0 - 101.0% of mass 174	71.3 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDCCC010	VSTDCCC010	VU063430.D	06/24/2025	10:17
VU0624WBL01	VU0624WBL01	VU063431.D	06/24/2025	11:14
VU0624WBS01	VU0624WBS01	VU063432.D	06/24/2025	11:48
VU0624WBSD01	VU0624WBSD01	VU063433.D	06/24/2025	12:16
PW-B6-L66-061925	Q2377-01	VU063434.D	06/24/2025	12:54
TB01-061925	Q2377-03	VU063435.D	06/24/2025	13:22

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063430.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_U Time Analyzed: 10:17

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	56764	6.10	0	0.00	0	0.00
UPPER LIMIT	73793.2	6.603	0		0	
LOWER LIMIT	39734.8	5.603	0		0	
EPA SAMPLE NO.						
PW-B6-L66-061925	46278	6.11	0	0.00	0	0.00
TB01-061925	40746	6.11	0	0.00	0	0.00
VU0624WBL01	48463	6.11	0	0.00	0	0.00
VU0624WBS01	50423	6.10	0	0.00	0	0.00
VU0624WBSD01	48924	6.10	0	0.00	0	0.00

IS1 = Fluorobenzene
IS2 =
IS3 =

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% 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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBL01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBL01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063431.D	1		06/24/25 11:14	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.73		70 (70) - 130 (130)	73%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.74		70 (70) - 130 (130)	74%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	48500	6.106			

U = Not Detected
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B = Analyte Found in Associated Method Blank
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBS01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBS01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063432.D	1		06/24/25 11:48	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.70		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	1.70		0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.00		0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		0.13	0.50	ug/L
71-43-2	Benzene	2.00		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.00		0.16	0.50	ug/L
79-01-6	Trichloroethene	1.90		0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	1.90		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.90		0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.99		70 (70) - 130 (130)	99%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 (70) - 130 (130)	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	50400	6.103			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBSD01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBSD01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063433.D	1		06/24/25 12:16	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.70		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	2.20		0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.10		0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		0.13	0.50	ug/L
71-43-2	Benzene	2.10		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.00		0.16	0.50	ug/L
79-01-6	Trichloroethene	2.00		0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	2.00		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	2.00		0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.00		70 (70) - 130 (130)	100%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 (70) - 130 (130)	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	48900	6.103			

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_U Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:34 14:36

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VU063421.D RRF002 = VU063422.D RRF005 = VU063423.D
RRF010 = VU063424.D RRF015 = VU063425.D RRF0.5 = VU063427.D

COMPOUND	RRF001	RRF002	RRF005	RRF010	RRF015	RRF0.5	$\overline{RRF}$	% RSD
Vinyl Chloride	0.422	0.418	0.453	0.444	0.432	0.431	0.433	3
1,1-Dichloroethene	0.272	0.250	0.274	0.269	0.265	0.246	0.263	4.5
1,1-Dichloroethane	0.600	0.596	0.644	0.631	0.612	0.639	0.620	3.3
cis-1,2-Dichloroethene	0.320	0.308	0.335	0.320	0.314	0.337	0.322	3.5
Benzene	1.241	1.220	1.389	1.377	1.301	1.290	1.303	5.3
1,2-Dichloroethane	0.367	0.364	0.393	0.397	0.384	0.379	0.381	3.5
Trichloroethene	0.297	0.294	0.327	0.321	0.318	0.291	0.308	5.2
1,1,2-Trichloroethane	0.232	0.237	0.261	0.256	0.252	0.238	0.246	4.8
Tetrachloroethene	0.290	0.278	0.320	0.323	0.321	0.280	0.302	7.1
1,1,1,2-Tetrachloroethane	0.263	0.261	0.286	0.289	0.283	0.272	0.276	4.4
1,2-Dichlorobenzene-d4	0.367	0.359	0.374	0.398	0.390	0.325	0.369	7
4-Bromofluorobenzene	0.341	0.354	0.381	0.423	0.392	0.313	0.367	10.7

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_U Calibration Date/Time: 06/24/2025 10:17

Lab File ID: VU063430.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:34 14:36

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.433	0.334		-22.86	30
1,1-Dichloroethene	0.263	0.210		-20.15	30
1,1-Dichloroethane	0.620	0.590		-4.84	30
cis-1,2-Dichloroethene	0.322	0.302		-6.21	30
Benzene	1.303	1.270		-2.53	30
1,2-Dichloroethane	0.381	0.350		-8.14	30
Trichloroethene	0.308	0.291		-5.52	30
1,1,2-Trichloroethane	0.246	0.231		-6.1	30
Tetrachloroethene	0.302	0.289		-4.3	30
1,1,1,2-Tetrachloroethane	0.276	0.266		-3.62	30
1,2-Dichlorobenzene-d4	0.369	0.351		-4.88	30
4-Bromofluorobenzene	0.367	0.409		11.44	30

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_U\Data\VU062425\
Data File : VU063434.D
Acq On : 24 Jun 2025 12:54
Operator : MD/SY
Sample : Q2377-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 25 08:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

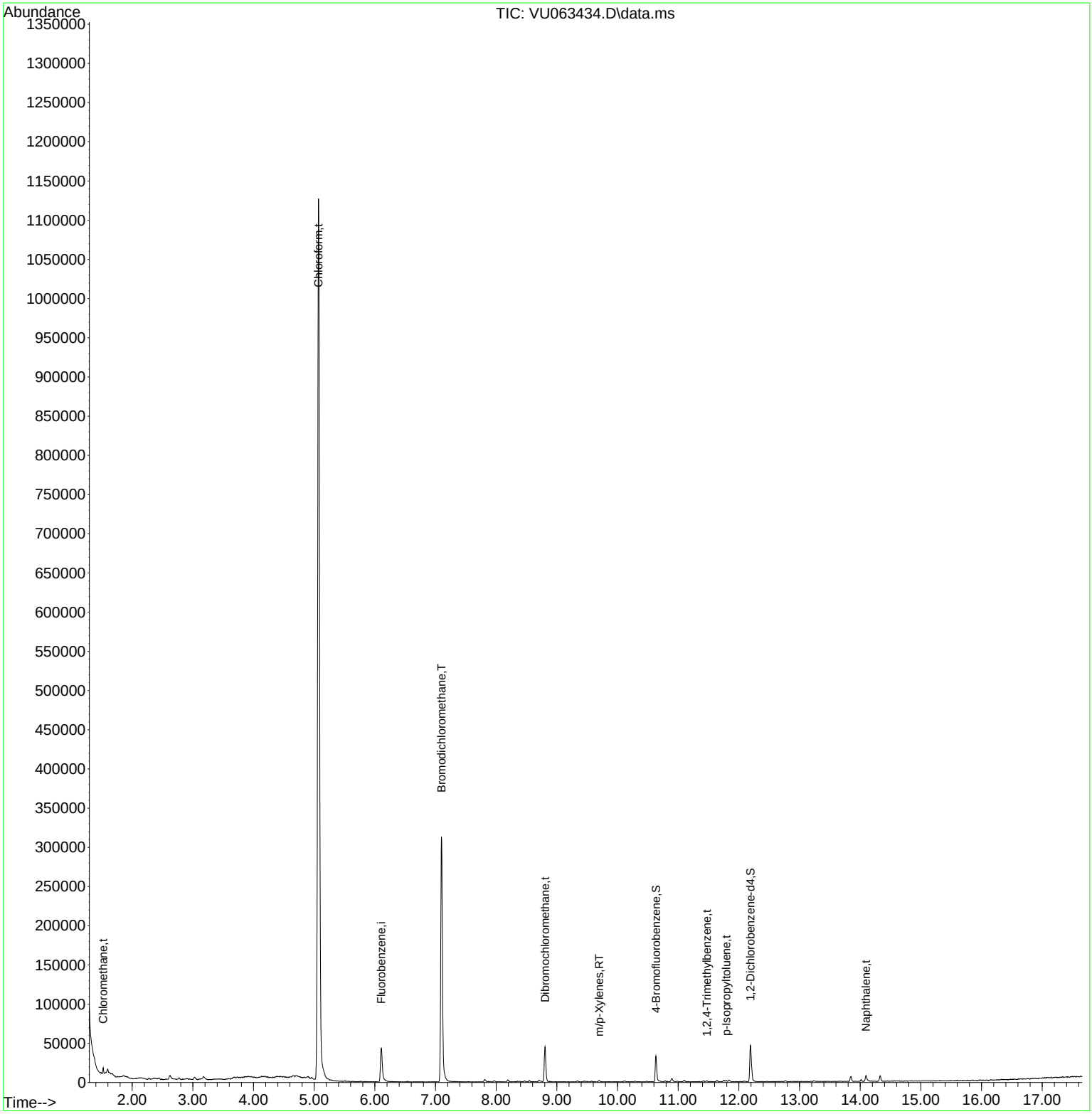
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.107	96	46278	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.634	95	13619	0.802	ug/l		0.00
Spiked Amount 1.000			Recovery =	80.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13641	0.799	ug/l		0.00
Spiked Amount 1.000			Recovery =	80.000%			
Target Compounds							Qvalue
3) Chloromethane	1.522	50	4919	0.210	ug/l		99
27) Chloroform	5.071	83	1047169	38.909	ug/l		99
44) Bromodichloromethane	7.097	83	223947	11.817	ug/l		99
55) Dibromochloromethane	8.804	129	25656	2.186	ug/l		98
64) m/p-Xylenes	9.695	106	618	0.809	ug/l	#	64
78) 1,2,4-Trimethylbenzene	11.473	105	1007	0.434	ug/l		98
81) p-Isopropyltoluene	11.791	119	1272	0.432	ug/l		92
89) Naphthalene	14.094	128	9003	1.136	ug/l	#	93

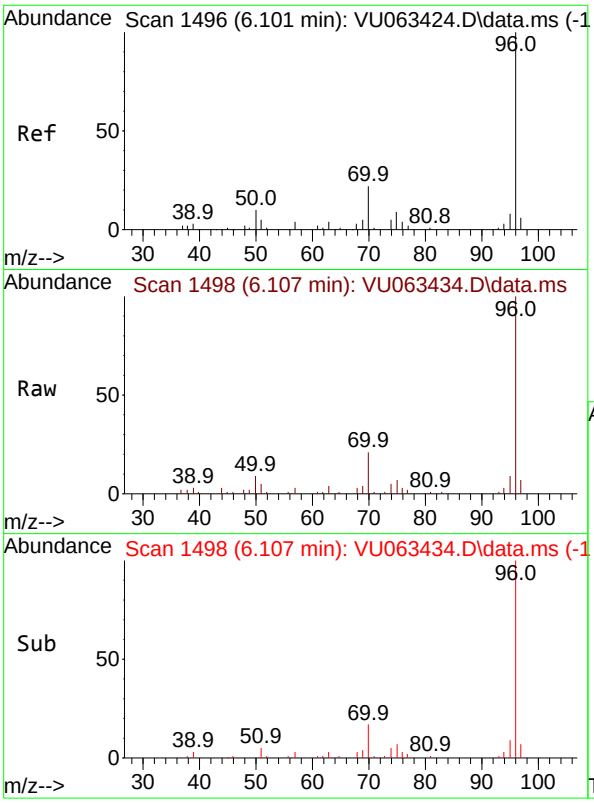
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063434.D
Acq On : 24 Jun 2025 12:54
Operator : MD/SY
Sample : Q2377-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 25 08:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration



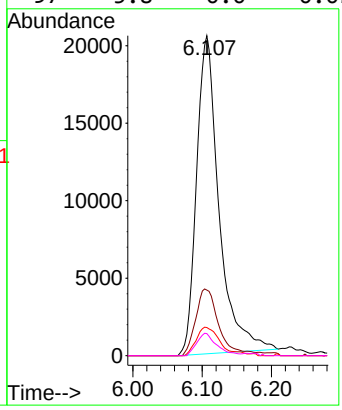


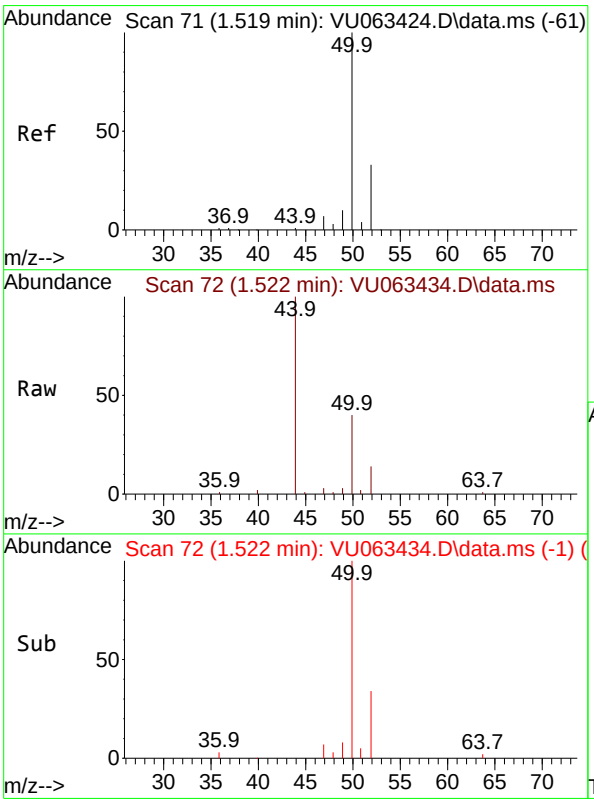
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion: 96 Resp: 46278

Ion	Ratio	Lower	Upper
96	100		
70	20.2	16.4	24.6
95	8.9	6.2	9.2
97	5.8	0.0	0.0#

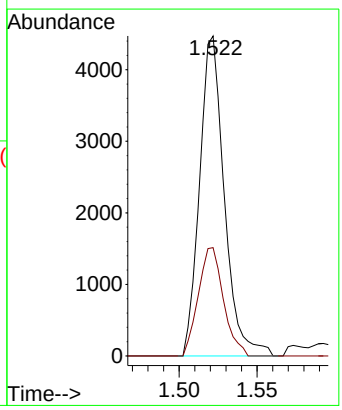


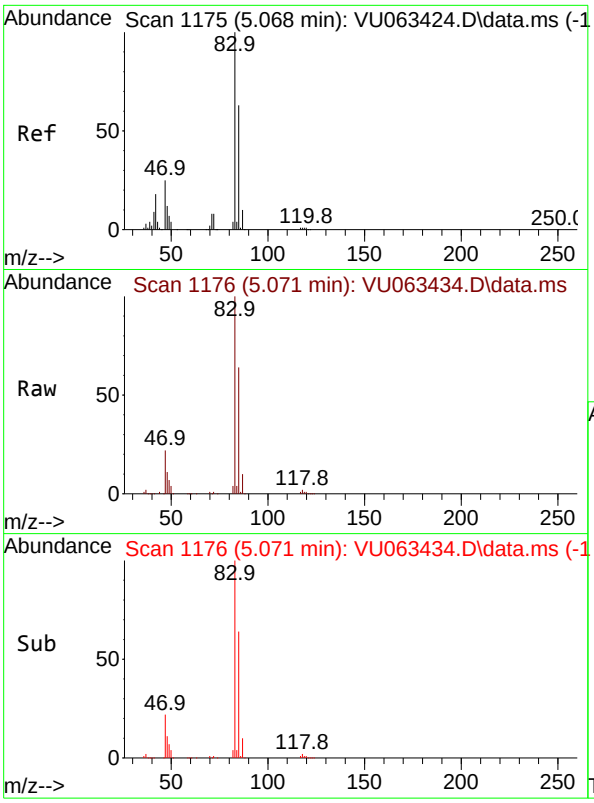


#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 50 Resp: 4919

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.6	40.0



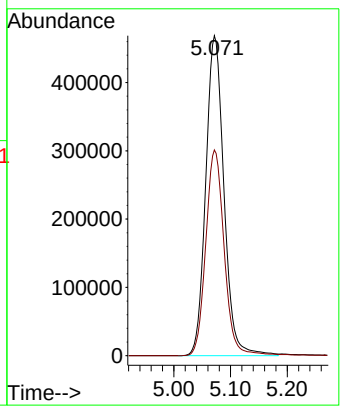


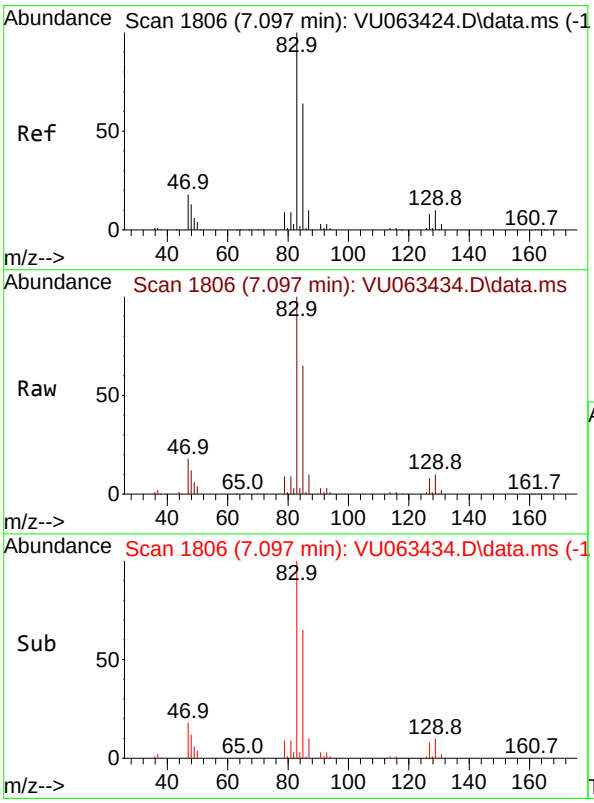
#27
Chloroform
Concen: 38.909 ug/l
RT: 5.071 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion: 83 Resp: 1047169

Ion	Ratio	Lower	Upper
83	100		
85	64.3	0.0	126.8

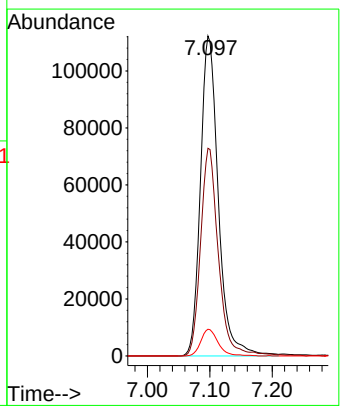


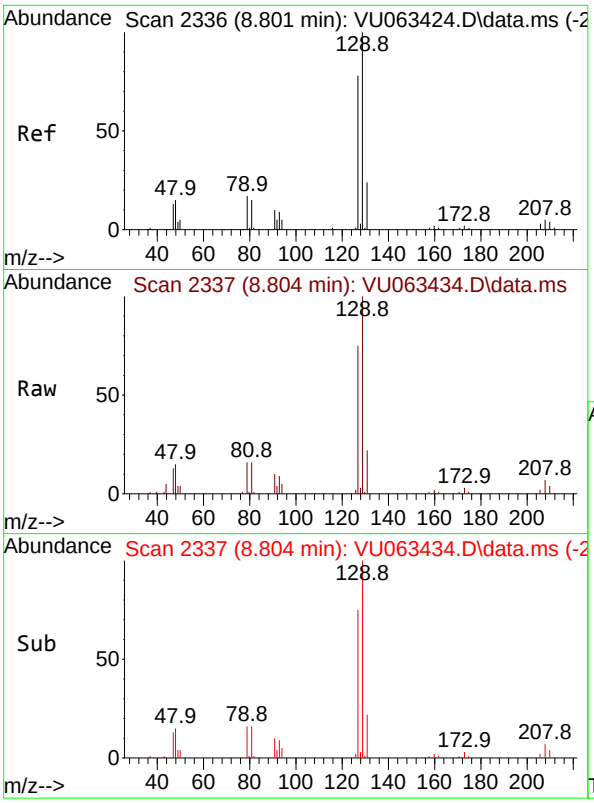


#44
Bromodichloromethane
Concen: 11.817 ug/l
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 83 Resp: 223947

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2
127	8.3	6.6	10.0



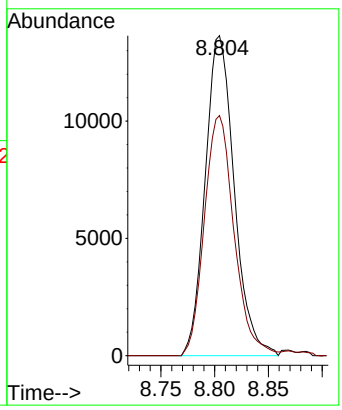


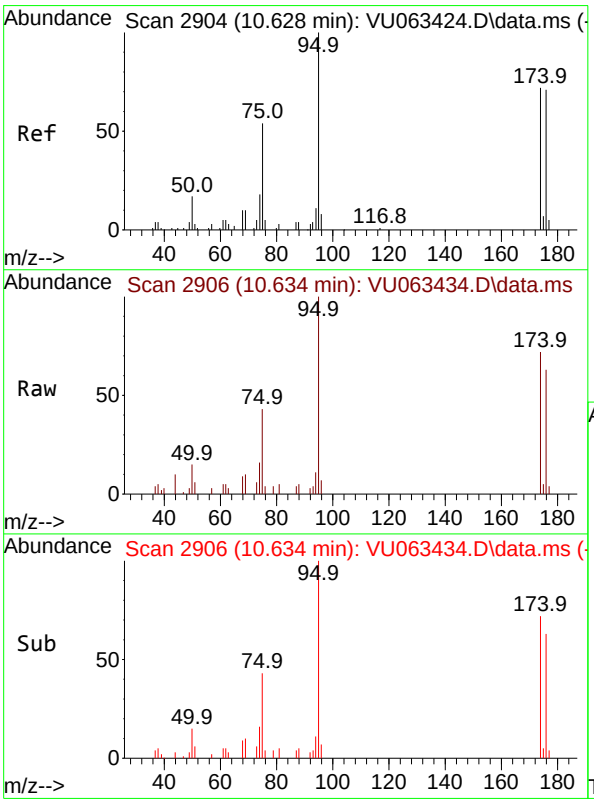
#55
Dibromochloromethane
Concen: 2.186 ug/l
RT: 8.804 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:129 Resp: 25656

Ion	Ratio	Lower	Upper
129	100		
127	76.7	62.6	93.8

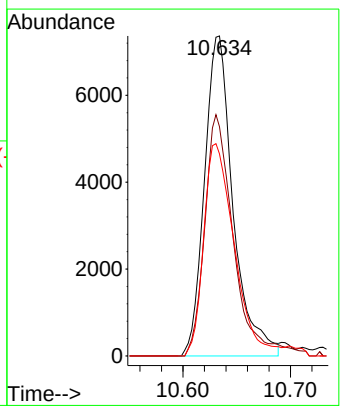


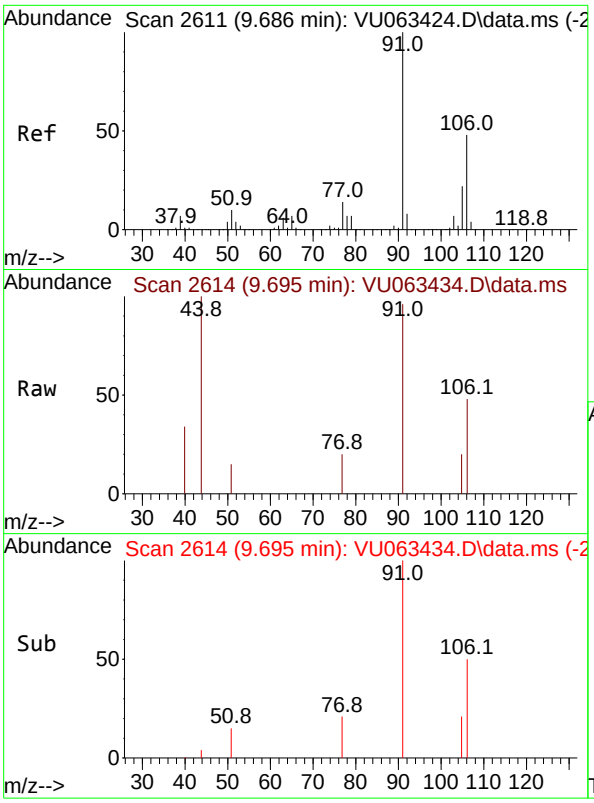


#57
4-Bromofluorobenzene
Concen: 0.802 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 95 Resp: 13619

Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.4	89.2
176	70.9	57.8	86.6



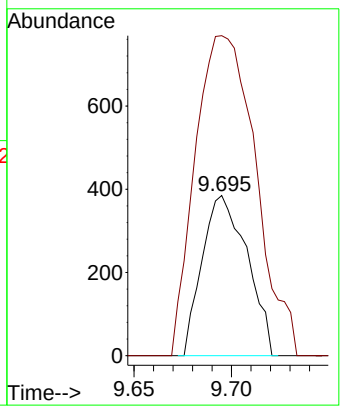


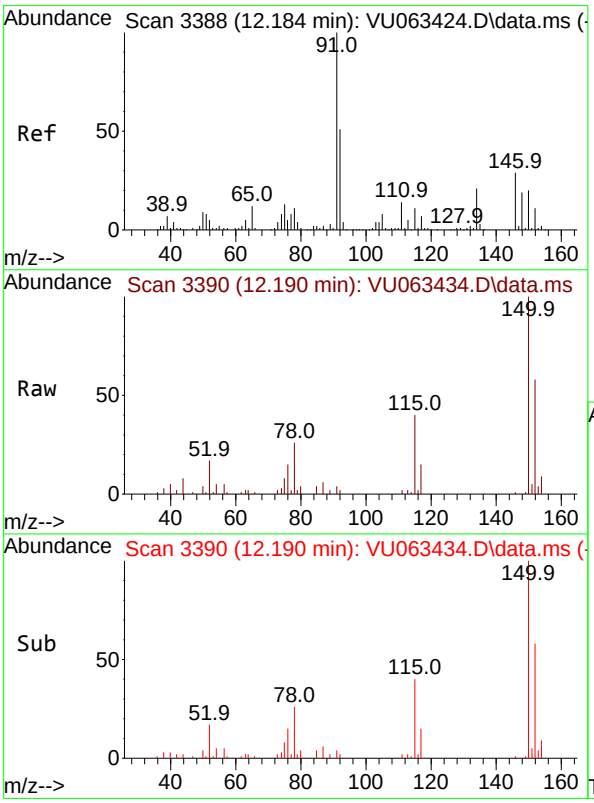
#64
m/p-Xylenes
Concen: 0.809 ug/l
RT: 9.695 min Scan# 2
Delta R.T. 0.009 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:106 Resp: 618

Ion	Ratio	Lower	Upper
106	100		
91	268.3	169.9	254.9#

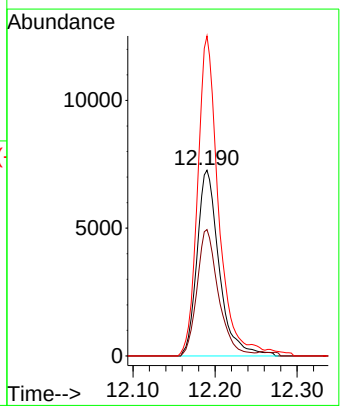


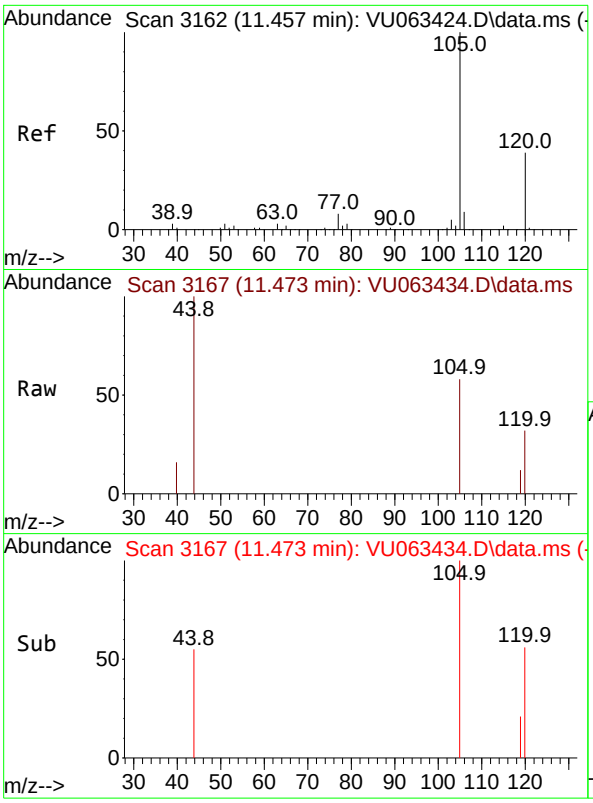


#68
1,2-Dichlorobenzene-d4
Concen: 0.799 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion:152 Resp: 13641

Ion	Ratio	Lower	Upper
152	100		
115	65.9	0.0	327.6
150	162.0	0.0	664.4



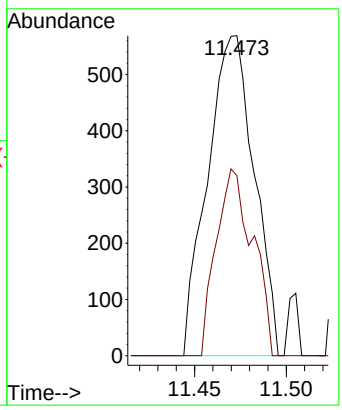


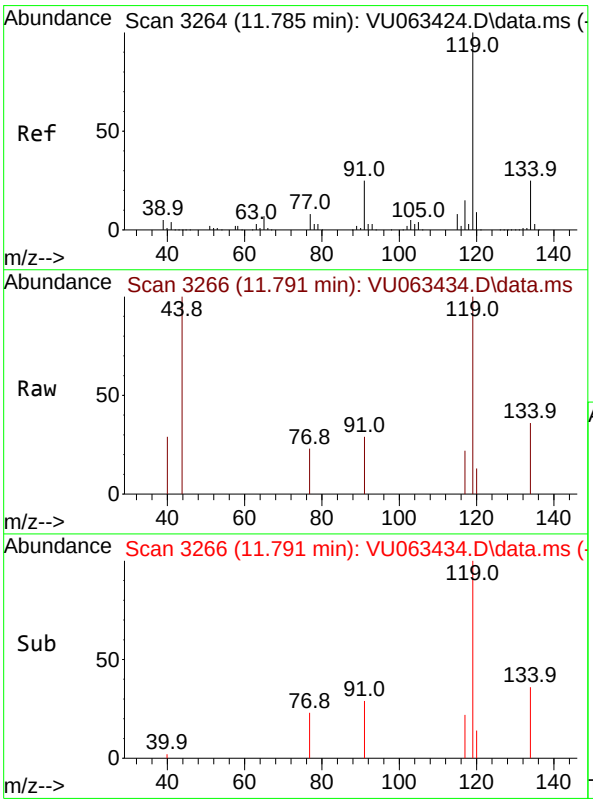
#78
1,2,4-Trimethylbenzene
Concen: 0.434 ug/l
RT: 11.473 min Scan# 3
Delta R.T. 0.016 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:105 Resp: 1007

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.1	66.5

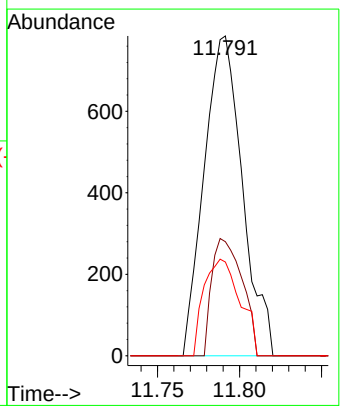


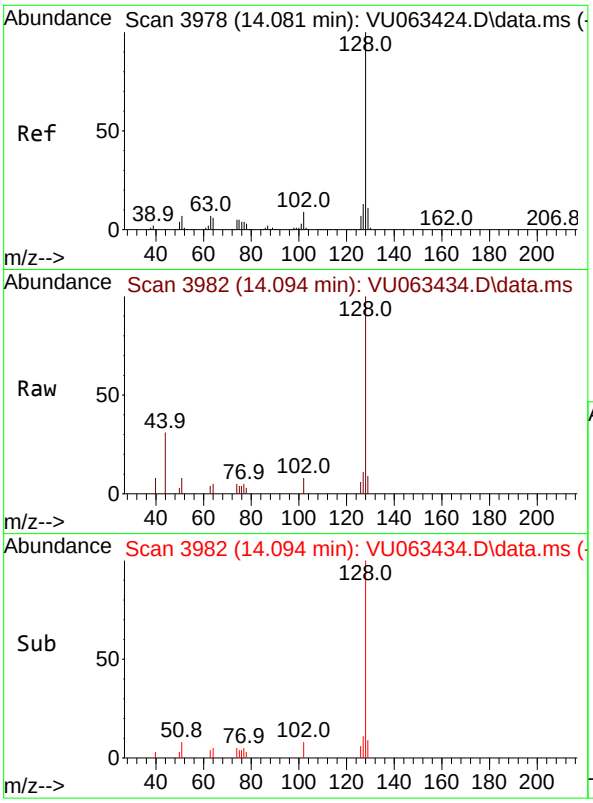


#81
p-Isopropyltoluene
Concen: 0.432 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion:119 Resp: 1272

Ion	Ratio	Lower	Upper
119	100		
134	29.0	20.2	30.2
91	28.5	19.7	29.5



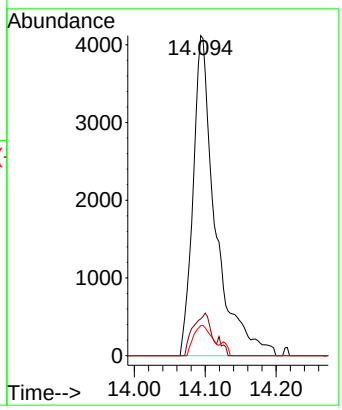


#89
Naphthalene
Concen: 1.136 ug/l
RT: 14.094 min Scan# 3
Delta R.T. 0.013 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:128 Resp: 9003

Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.4	15.6
129	7.8	8.7	13.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063435.D
Acq On : 24 Jun 2025 13:22
Operator : MD/SY
Sample : Q2377-03
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Quant Time: Jun 24 14:14:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.107	96	40746	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13337	0.892	ug/l	0.00
Spiked Amount 1.000			Recovery =	89.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	13889	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery =	92.000%		
Target Compounds						Qvalue

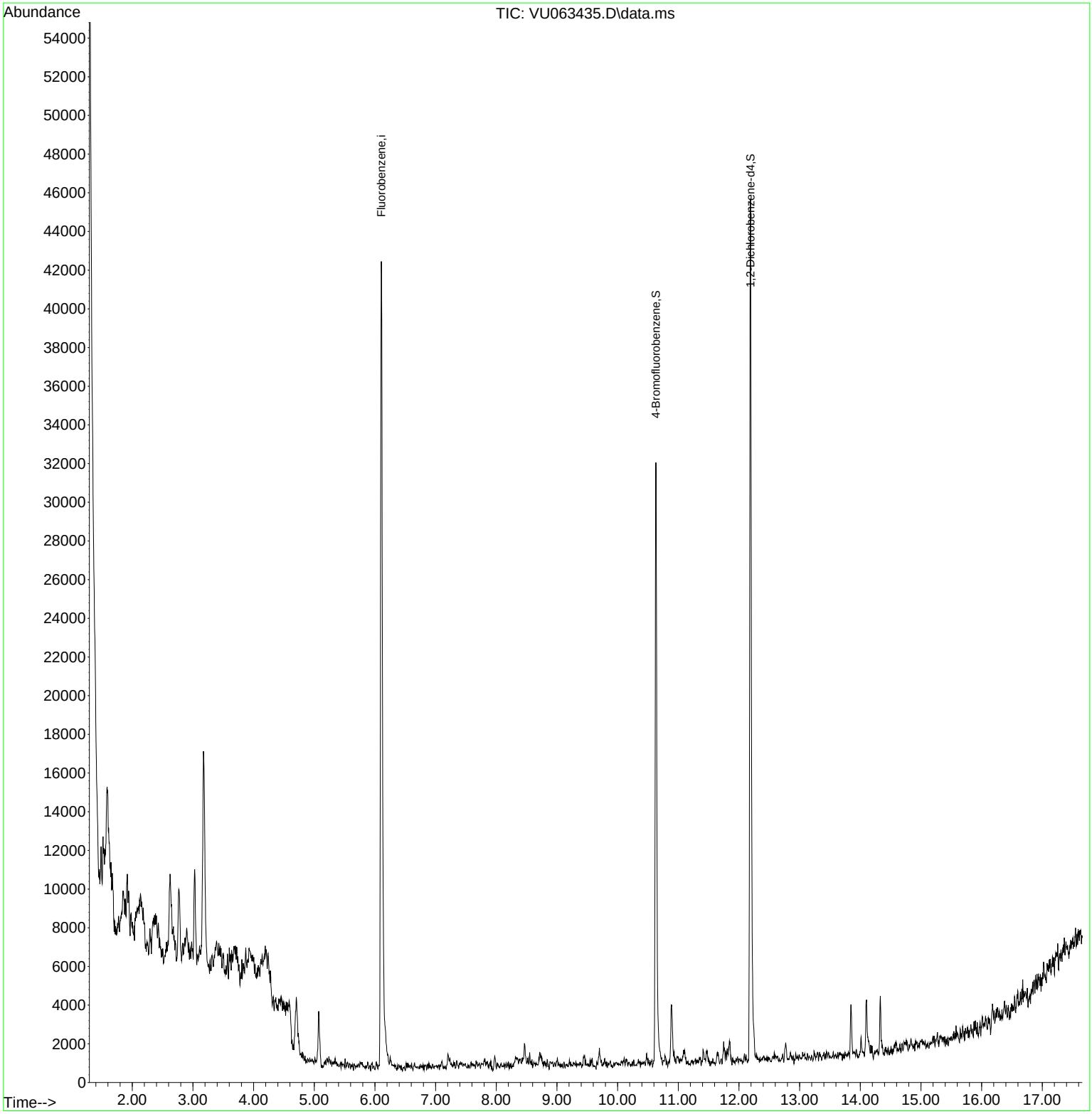
(#) = qualifier out of range (m) = manual integration (+) = signals summed

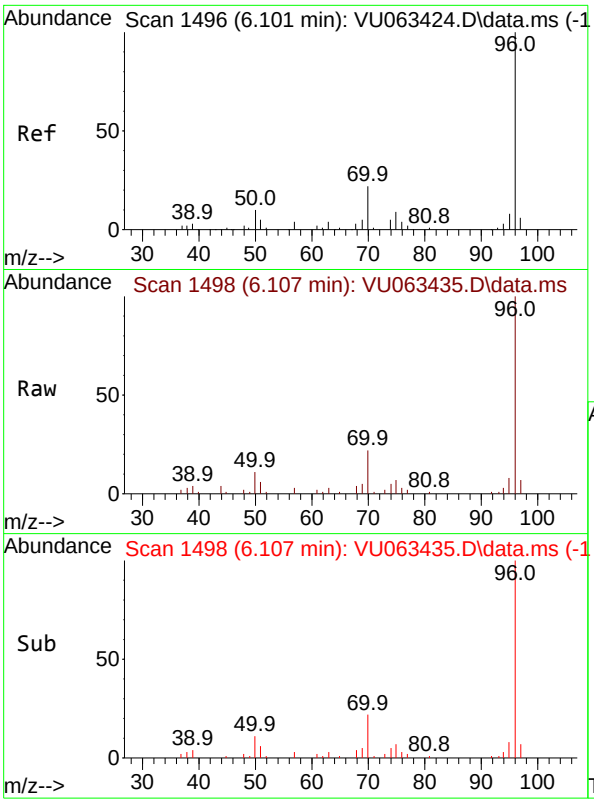
Sample Results: **VU063435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063435.D
Acq On : 24 Jun 2025 13:22
Operator : MD/SY
Sample : Q2377-03
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Quant Time: Jun 24 14:14:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration



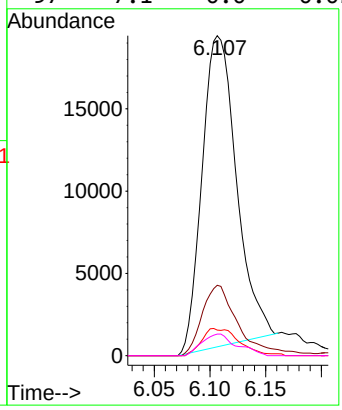


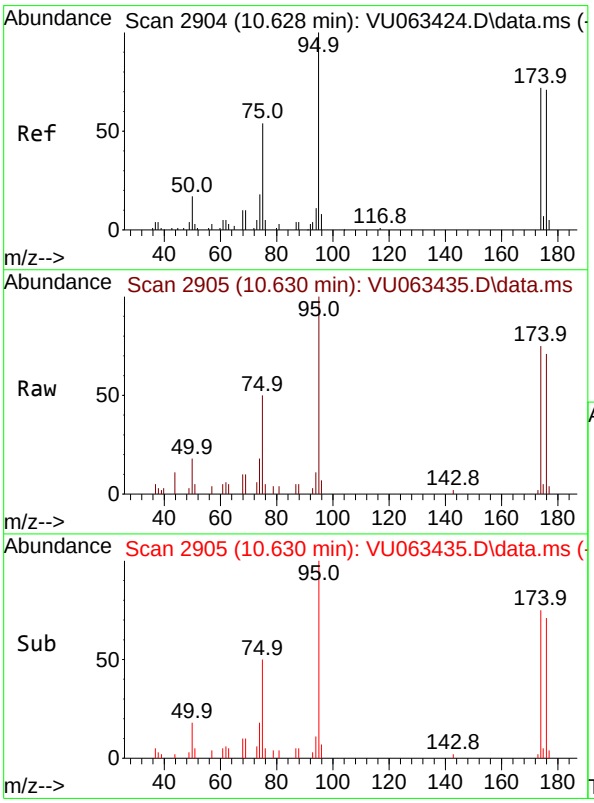
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Tgt Ion: 96 Resp: 40746

Ion	Ratio	Lower	Upper
96	100		
70	22.9	16.4	24.6
95	9.6	6.2	9.2#
97	7.1	0.0	0.0#

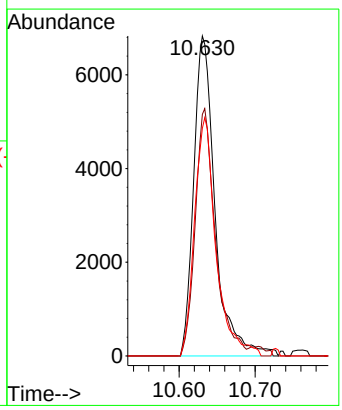


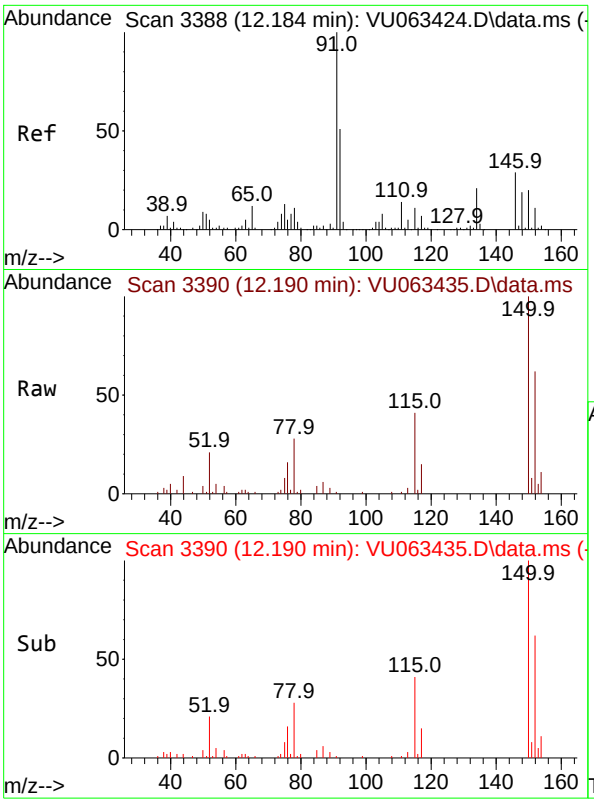


#57
4-Bromofluorobenzene
Concen: 0.892 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.002 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Tgt Ion: 95 Resp: 13337

Ion	Ratio	Lower	Upper
95	100		
174	73.1	59.4	89.2
176	74.7	57.8	86.6



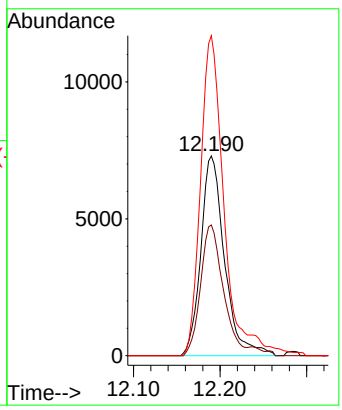


#68
1,2-Dichlorobenzene-d4
Concen: 0.924 ug/l
RT: 12.190 min Scan# 3
Delta R.T. 0.006 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Tgt Ion:152 Resp: 13889

Ion	Ratio	Lower	Upper
152	100		
115	62.6	0.0	327.6
150	159.6	0.0	664.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063431.D
Acq On : 24 Jun 2025 11:14
Operator : MD/SY
Sample : VU0624WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Quant Time: Jun 25 01:30:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

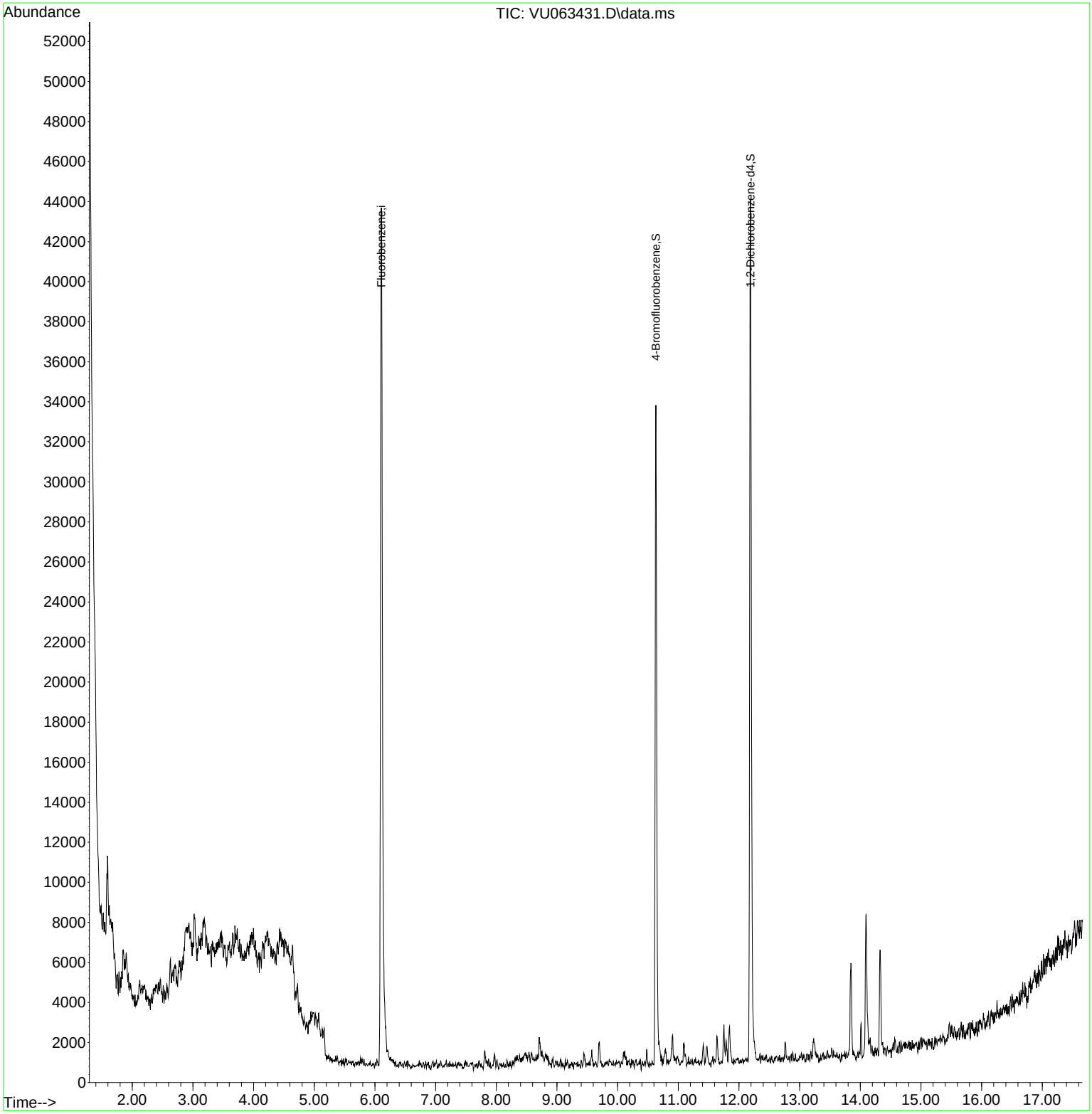
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.106	96	48463	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13246	0.744	ug/l	0.00
Spiked Amount 1.000			Recovery =	74.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	13088	0.732	ug/l	0.00
Spiked Amount 1.000			Recovery =	73.000%		
Target Compounds						Qvalue

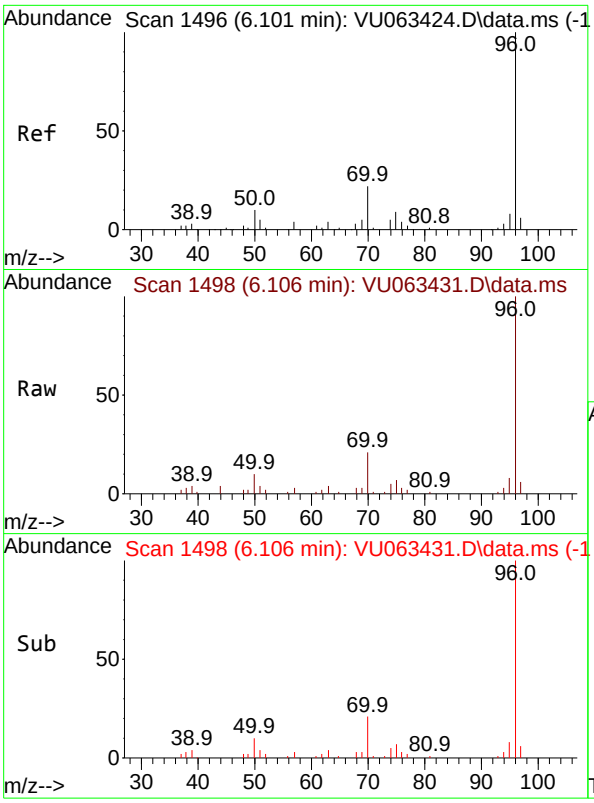
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063431.D
Acq On : 24 Jun 2025 11:14
Operator : MD/SY
Sample : VU0624WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Quant Time: Jun 25 01:30:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration



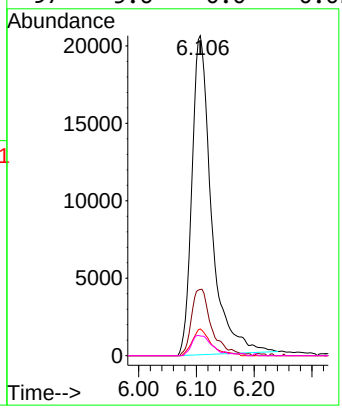


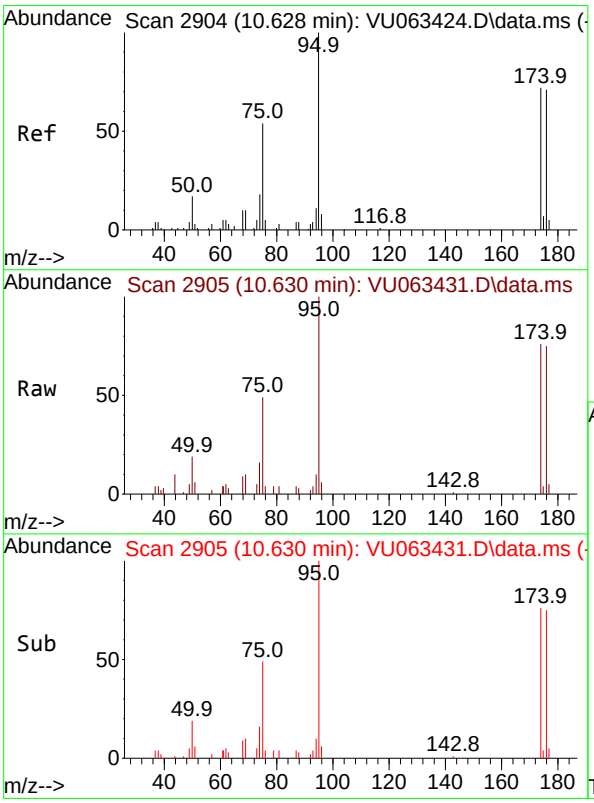
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.106 min Scan# 14
Delta R.T. 0.005 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Tgt Ion: 96 Resp: 48463

Ion	Ratio	Lower	Upper
96	100		
70	20.6	16.4	24.6
95	8.1	6.2	9.2
97	5.6	0.0	0.0#

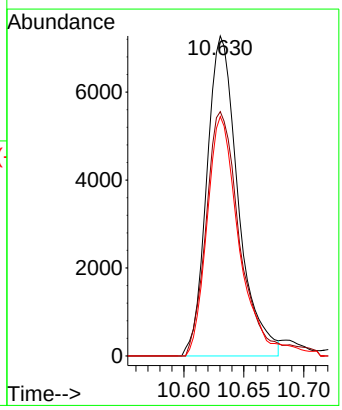


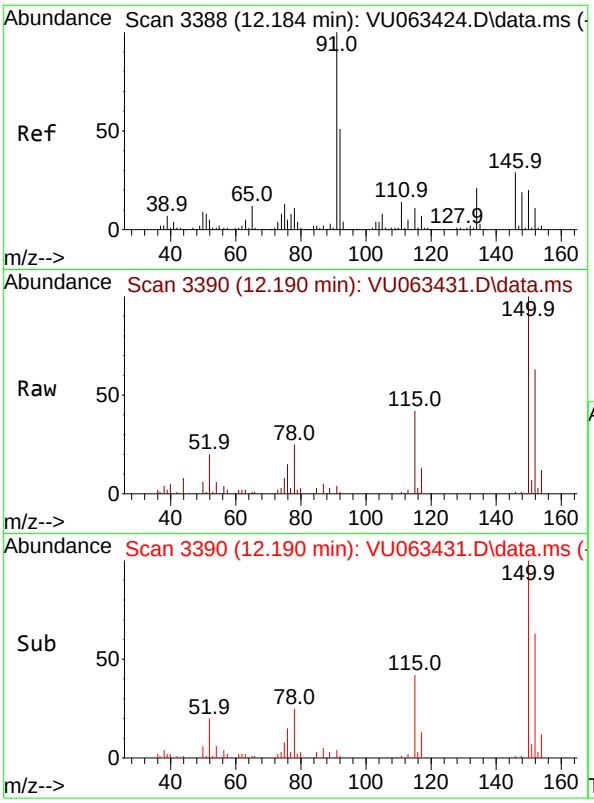


#57
4-Bromofluorobenzene
Concen: 0.744 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.002 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Tgt Ion: 95 Resp: 13246

Ion	Ratio	Lower	Upper
95	100		
174	83.2	59.4	89.2
176	77.5	57.8	86.6



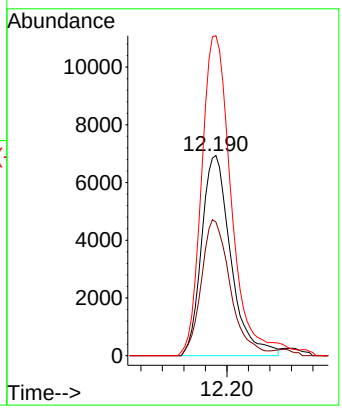


#68
1,2-Dichlorobenzene-d4
Concen: 0.732 ug/l
RT: 12.190 min Scan# 3
Delta R.T. 0.006 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Tgt Ion:152 Resp: 13088

Ion	Ratio	Lower	Upper
152	100		
115	67.2	0.0	327.6
150	164.7	0.0	664.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063432.D
Acq On : 24 Jun 2025 11:48
Operator : MD/SY
Sample : VU0624WBS01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 06:22:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.103	96	50423	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.627	95	18541	1.002	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.000%				
68) 1,2-Dichlorobenzene-d4	12.187	152	18461	0.993	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	37732	1.948	ug/l		98
3) Chloromethane	1.518	50	42308	1.658	ug/l		99
4) Vinyl Chloride	1.599	62	36052	1.650	ug/l		100
5) Bromomethane	1.849	94	20046	1.915	ug/l		100
6) Chloroethane	1.927	64	18221	1.408	ug/l		96
7) Trichlorofluoromethane	2.129	101	42938	1.724	ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	21761	1.640	ug/l		91
9) 1,1-Dichloroethene	2.566	96	22342	1.687	ug/l		85
10) Iodomethane	2.708	142	17112	1.601	ug/l		98
11) Allyl Chloride	2.907	41	27398	1.162	ug/l		89
12) Acrylonitrile	3.309	53	10077	2.634	ug/l	#	86
13) Acetone	2.621	43	17584	4.617	ug/l		99
14) Carbon Disulfide	2.775	76	67706	1.466	ug/l		97
15) Methylene Chloride	3.029	84	26324	1.569	ug/l		87
16) trans-1,2-Dichloroethene	3.335	96	25844	1.735	ug/l		85
17) 1,1-Dichloroethane	3.849	63	63500	2.030	ug/l		99
18) 2-Butanone	4.721	43	46546	8.719	ug/l		99
19) Cyclohexane	5.361	56	43798	1.851	ug/l		99
20) Methylcyclohexane	6.746	83	37512	1.707	ug/l		94
21) 2,2-Dichloropropane	4.644	77	42918	1.930	ug/l		99
22) cis-1,2-Dichloroethene	4.647	96	32017	1.969	ug/l		100
23) Diethyl Ether	2.370	59	16242	1.360	ug/l		89
24) tert-Butyl Alcohol	3.203	59	17502	13.907	ug/l		99
25) Methyl tert-Butyl Ether	3.361	73	57010	1.583	ug/l		99
26) Bromochloromethane	4.959	128	12581	1.988	ug/l		99
27) Chloroform	5.071	83	57998	1.978	ug/l		96
28) 1,1,1-Trichloroethane	5.296	97	47422	1.994	ug/l		97
29) 1,1-Dichloropropene	5.505	75	43165	1.987	ug/l		96
30) Carbon Tetrachloride	5.502	117	37915	1.997	ug/l		98
31) Isopropyl Ether	3.997	45	97025	1.985	ug/l		97
32) Ethyl-t-butyl ether	4.505	59	80511	1.944	ug/l		100
33) Tert-Amyl methyl ether	5.946	73	52925	1.785	ug/l		98
34) Propionitrile	4.782	54	15425	9.989	ug/l		99
35) Benzene	5.759	78	133266	2.028	ug/l		99
36) 1,2-Dichloroethane	5.788	62	37941	1.975	ug/l		100
37) Trichloroethene	6.531	130	29814	1.920	ug/l		98
38) 1,2-Dichloropropane	6.785	63	35505	1.957	ug/l		99
39) Methacrylonitrile	4.975	41	12237m	1.905	ug/l		
40) Methyl acrylate	4.856	55	16865	1.870	ug/l	#	96
41) Tetrahydrofuran	5.065	42	12759	3.692	ug/l		99
42) 1-Chlorobutane	5.441	56	55270	1.794	ug/l		99
43) Dibromomethane	6.914	93	16966	2.001	ug/l		95
44) Bromodichloromethane	7.100	83	40566	1.965	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063432.D
Acq On : 24 Jun 2025 11:48
Operator : MD/SY
Sample : VU0624WBS01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 06:22:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	79447	8.731	ug/l	95
46) t-1,4-Dichloro-2-butene	10.827	75	12308m	4.115	ug/l	
47) Methyl methacrylate	6.971	69	22850	3.614	ug/l	98
48) Ethyl methacrylate	8.338	69	20945	1.891	ug/l	98
49) Toluene	7.962	92	67670	1.876	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	26422	1.774	ug/l	95
51) cis-1,3-Dichloropropene	7.602	75	36853	1.843	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	23388	1.887	ug/l	96
53) 1,3-Dichloropropane	8.569	76	41741	1.958	ug/l	99
54) 2-Hexanone	8.692	43	49438	8.736	ug/l	95
55) Dibromochloromethane	8.801	129	25308	1.979	ug/l	96
56) 1,2-Dibromoethane	8.920	107	20144	2.005	ug/l	100
58) Tetrachloroethene	8.544	164	29722	1.951	ug/l	97
59) Chlorobenzene	9.441	112	73659	1.907	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	27055	1.946	ug/l	98
61) Pentachloroethane	11.418	117	23339	2.061	ug/l	95
62) Hexachloroethane	12.466	117	21061	2.068	ug/l	95
63) Ethyl Benzene	9.563	91	114369	1.847	ug/l	100
64) m/p-Xylenes	9.688	106	86586	3.629	ug/l	97
65) o-Xylene	10.093	106	42442	1.804	ug/l	98
66) Styrene	10.110	104	70793	1.856	ug/l	99
67) Bromoform	10.283	173	13034	1.866	ug/l	98
69) Isopropylbenzene	10.476	105	102462	1.880	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	32083	2.024	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	26566m	2.052	ug/l	
72) Bromobenzene	10.778	156	29826	1.950	ug/l	85
73) n-propylbenzene	10.897	120	31372	1.895	ug/l	97
74) 2-Chlorotoluene	10.978	126	29231	1.933	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	98718	1.842	ug/l	97
76) 4-Chlorotoluene	11.093	126	31381	1.981	ug/l	92
77) tert-Butylbenzene	11.412	119	95430	1.906	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	98098	1.844	ug/l	99
79) sec-Butylbenzene	11.637	105	137752	1.943	ug/l	98
80) Nitrobenzene	13.216	77	6073m	9.432	ug/l	
81) p-Isopropyltoluene	11.785	119	104423	1.881	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	63917	2.017	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	64352	1.958	ug/l	99
84) n-Butylbenzene	12.203	91	106675	1.838	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	59771	1.971	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4374	2.007	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	30544	1.807	ug/l	99
88) Hexachlorobutadiene	14.013	225	23256	1.940	ug/l	98
89) Naphthalene	14.084	128	46534	2.092	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	28258	1.681	ug/l	99

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

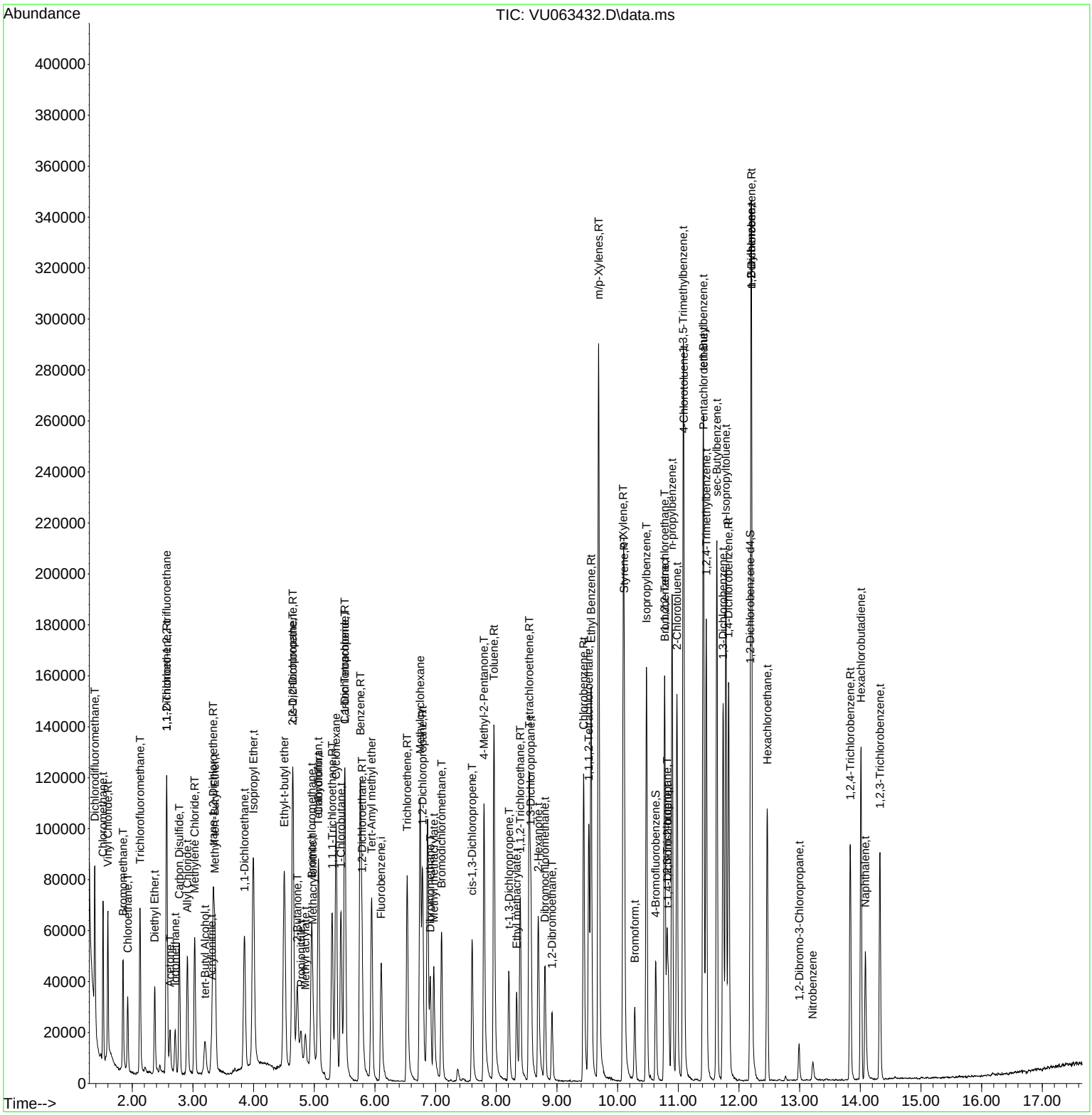
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063432.D
Acq On : 24 Jun 2025 11:48
Operator : MD/SY
Sample : VU0624WBS01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 06:22:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063433.D
Acq On : 24 Jun 2025 12:16
Operator : MD/SY
Sample : VU0624WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 08:10:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	48924m	1.000	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17940	0.999	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	18111	1.004	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	37702	2.006	ug/l	98
3) Chloromethane	1.518	50	44492	1.797	ug/l	96
4) Vinyl Chloride	1.599	62	36391	1.717	ug/l	99
5) Bromomethane	1.846	94	20298	1.999	ug/l	96
6) Chloroethane	1.923	64	19842	1.580	ug/l	96
7) Trichlorofluoromethane	2.129	101	44989	1.861	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	27067	2.102	ug/l	99
9) 1,1-Dichloroethene	2.567	96	27891	2.171	ug/l	94
10) Iodomethane	2.708	142	17802	1.717	ug/l	95
11) Allyl Chloride	2.911	41	45772	2.000	ug/l	99
12) Acrylonitrile	3.306	53	15504m	4.177	ug/l	
13) Acetone	2.621	43	26628	8.138	ug/l	96
14) Carbon Disulfide	2.776	76	90537	2.021	ug/l	98
15) Methylene Chloride	3.030	84	32975	2.025	ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	30368	2.101	ug/l	96
17) 1,1-Dichloroethane	3.849	63	63072	2.078	ug/l	99
18) 2-Butanone	4.721	43	46068	8.894	ug/l	98
19) Cyclohexane	5.361	56	41924	1.826	ug/l	99
20) Methylcyclohexane	6.746	83	37288	1.749	ug/l	92
21) 2,2-Dichloropropane	4.644	77	40641	1.884	ug/l	99
22) cis-1,2-Dichloroethene	4.644	96	32133	2.037	ug/l	98
23) Diethyl Ether	2.370	59	23527	2.030	ug/l	97
24) tert-Butyl Alcohol	3.200	59	25998	21.292	ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	72586	2.078	ug/l	100
26) Bromochloromethane	4.955	128	14136	2.302	ug/l	90
27) Chloroform	5.071	83	61146	2.149	ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	48456	2.100	ug/l	98
29) 1,1-Dichloropropene	5.505	75	41576	1.973	ug/l	99
30) Carbon Tetrachloride	5.499	117	39088	2.121	ug/l	95
31) Isopropyl Ether	3.994	45	99901	2.107	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	80724	2.009	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	52845	1.837	ug/l	96
34) Propionitrile	4.779	54	15493	10.340	ug/l #	85
35) Benzene	5.759	78	131629	2.065	ug/l	98
36) 1,2-Dichloroethane	5.788	62	37840	2.030	ug/l	100
37) Trichloroethene	6.534	130	30828	2.046	ug/l	96
38) 1,2-Dichloropropane	6.782	63	36163	2.054	ug/l	98
39) Methacrylonitrile	4.978	41	10673	1.712	ug/l	94
40) Methyl acrylate	4.849	55	18218	2.081	ug/l	98
41) Tetrahydrofuran	5.065	42	11659	3.477	ug/l	99
42) 1-Chlorobutane	5.441	56	56729	1.897	ug/l	98
43) Dibromomethane	6.910	93	17065	2.075	ug/l	98
44) Bromodichloromethane	7.100	83	41184	2.056	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063433.D
Acq On : 24 Jun 2025 12:16
Operator : MD/SY
Sample : VU0624WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 08:10:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	84115	9.527	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	11360m	3.914	ug/l	
47) Methyl methacrylate	6.968	69	24695	3.922	ug/l	92
48) Ethyl methacrylate	8.335	69	22157	2.030	ug/l	97
49) Toluene	7.962	92	69828	1.995	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	27590	1.910	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	38692	1.994	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	24606	2.046	ug/l	98
53) 1,3-Dichloropropane	8.569	76	41581	2.010	ug/l	96
54) 2-Hexanone	8.688	43	54892	9.809	ug/l	93
55) Dibromochloromethane	8.801	129	25038	2.018	ug/l	100
56) 1,2-Dibromoethane	8.920	107	20163	2.069	ug/l	98
58) Tetrachloroethene	8.544	164	29570	2.001	ug/l	97
59) Chlorobenzene	9.441	112	75413	2.013	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	26908	1.995	ug/l	97
61) Pentachloroethane	11.415	117	22285	2.028	ug/l	95
62) Hexachloroethane	12.466	117	19905	2.014	ug/l	99
63) Ethyl Benzene	9.563	91	114691	1.909	ug/l	99
64) m/p-Xylenes	9.688	106	87004	3.731	ug/l	97
65) o-Xylene	10.094	106	42647	1.869	ug/l	94
66) Styrene	10.110	104	71958	1.925	ug/l	99
67) Bromoform	10.283	173	13611	2.008	ug/l	97
69) Isopropylbenzene	10.476	105	103632	1.960	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	31827	2.069	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	27172m	2.163	ug/l	
72) Bromobenzene	10.775	156	31426	2.118	ug/l	83
73) n-propylbenzene	10.901	120	30992	1.923	ug/l	97
74) 2-Chlorotoluene	10.981	126	30419	2.074	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	100505	1.914	ug/l	99
76) 4-Chlorotoluene	11.094	126	31207	2.031	ug/l	99
77) tert-Butylbenzene	11.412	119	96811	1.993	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	100260	1.920	ug/l	100
79) sec-Butylbenzene	11.634	105	137049	1.992	ug/l	100
80) Nitrobenzene	13.216	77	6874	10.746	ug/l	96
81) p-Isopropyltoluene	11.785	119	107612	1.972	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	64149	2.087	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	68008	2.132	ug/l	95
84) n-Butylbenzene	12.203	91	109583	1.946	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	61152	2.078	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4949	2.341	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	32914	2.006	ug/l	99
88) Hexachlorobutadiene	14.010	225	24100	2.072	ug/l	98
89) Naphthalene	14.084	128	51110	2.252	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	31355	1.922	ug/l	100

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

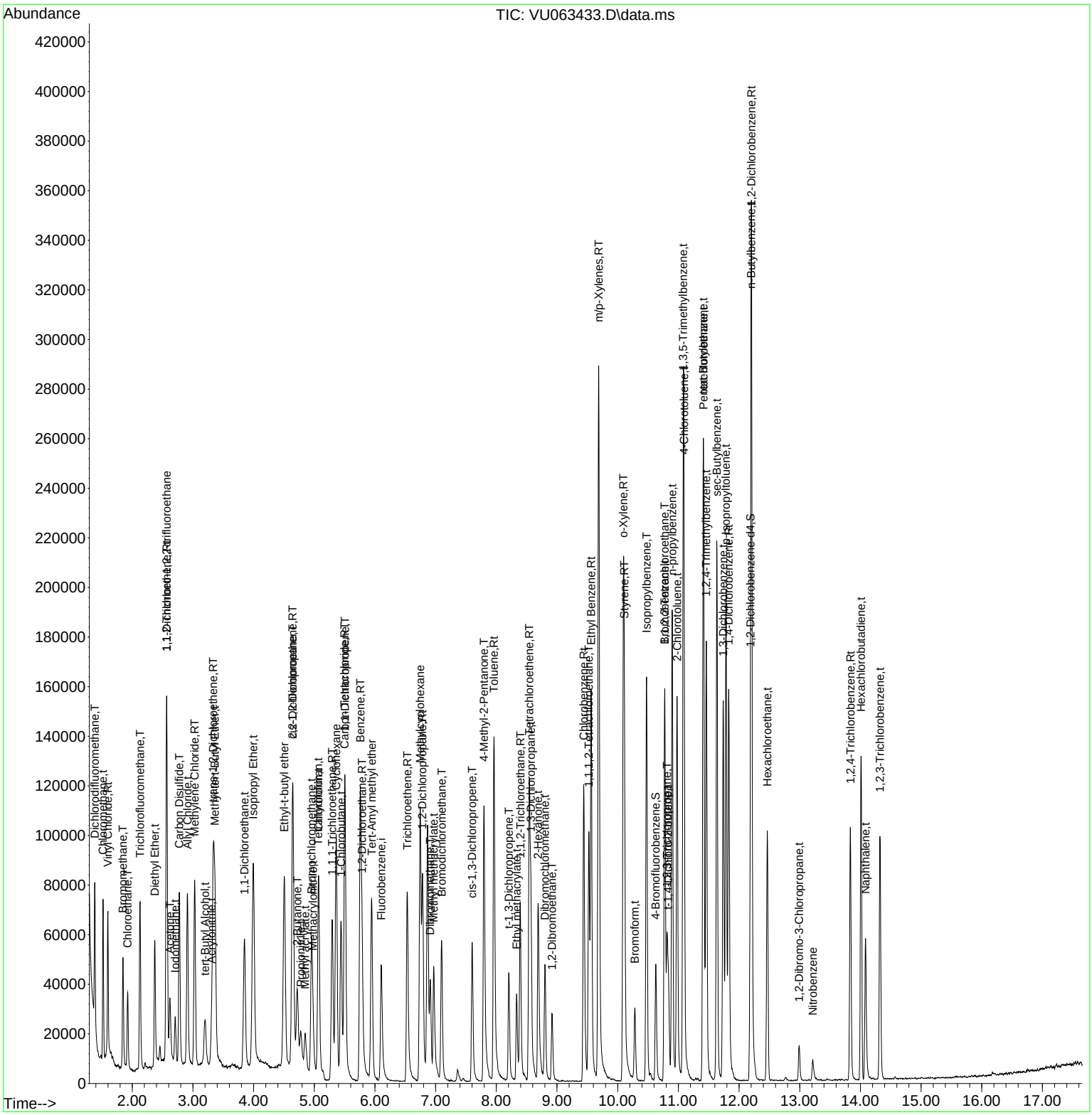
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063433.D
Acq On : 24 Jun 2025 12:16
Operator : MD/SY
Sample : VU0624WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 08:10:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



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

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VU063421.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Tert-Amyl methyl ether	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC002	VU063422.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Tert-Amyl methyl ether	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VU063424.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methacrylonitrile	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methyl acrylate	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	1,1,2-Trichloro-1,2,2-trifluoroethane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC015	VU063425.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	Methyl acrylate	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VU062425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063430.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VSTDCCC010	VU063430.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VSTDCCC010	VU063430.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	Methacrylonitrile	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	Nitrobenzene	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	Fluorobenzene	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VSTDCCC010	VU063436.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:55 PM	Sam	6/25/2025 12:36:32 PM	Peak Integrated by Software
VSTDCCC010	VU063436.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:55 PM	Sam	6/25/2025 12:36:32 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VU062425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063438.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063438.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063438.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063447.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:33:17 PM	Sam	6/25/2025 12:36:52 PM	Peak Integrated by Software
VSTDCCC010	VU063447.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:33:17 PM	Sam	6/25/2025 12:36:52 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062325

Review By	Mahesh Dadoda	Review On	6/25/2025 12:31:47 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:51 PM				
SubDirectory	VU062325	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134472
Initial Calibration Stds	VP134487,VP134488,VP134489,VP134490,VP134491,VP134492
CCC	
Internal Standard/PEM	VP132884
ICV/I.BLK	VP134493
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063419.D	23 Jun 2025 08:48	MD/SY	Ok
2	VSTDICC0.5	VU063420.D	23 Jun 2025 10:03	MD/SY	Not Ok
3	VSTDICC001	VU063421.D	23 Jun 2025 10:34	MD/SY	Ok,M
4	VSTDICC002	VU063422.D	23 Jun 2025 11:08	MD/SY	Ok,M
5	VSTDICC005	VU063423.D	23 Jun 2025 11:39	MD/SY	Ok,M
6	VSTDICCC010	VU063424.D	23 Jun 2025 12:12	MD/SY	Ok,M
7	VSTDICC015	VU063425.D	23 Jun 2025 13:05	MD/SY	Ok,M
8	VIBLK	VU063426.D	23 Jun 2025 14:07	MD/SY	Ok
9	VSTDICC0.5	VU063427.D	23 Jun 2025 14:36	MD/SY	Ok,M
10	VSTDICV010	VU063428.D	23 Jun 2025 17:06	MD/SY	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134494,VP134499
Initial Calibration Stds	
CCC	VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506
Internal Standard/PEM	VP132884
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063429.D	24 Jun 2025 09:49	MD/SY	Ok
2	VSTDCCC010	VU063430.D	24 Jun 2025 10:17	MD/SY	Ok,M
3	VU0624WBL01	VU063431.D	24 Jun 2025 11:14	MD/SY	Ok
4	VU0624WBS01	VU063432.D	24 Jun 2025 11:48	MD/SY	Ok,M
5	VU0624WBSD01	VU063433.D	24 Jun 2025 12:16	MD/SY	Ok,M
6	Q2377-01	VU063434.D	24 Jun 2025 12:54	MD/SY	Ok
7	Q2377-03	VU063435.D	24 Jun 2025 13:22	MD/SY	Ok
8	VSTDCCC010	VU063436.D	24 Jun 2025 13:49	MD/SY	Ok,M
9	BFB	VU063437.D	24 Jun 2025 14:19	MD/SY	Ok
10	VSTDCCC010	VU063438.D	24 Jun 2025 14:52	MD/SY	Ok,M
11	VU0624WBL02	VU063439.D	24 Jun 2025 15:54	MD/SY	Ok
12	VU0624WBS02	VU063440.D	24 Jun 2025 16:23	MD/SY	Ok,M
13	VU0624WBSD02	VU063441.D	24 Jun 2025 16:53	MD/SY	Ok,M
14	Q2126-08	VU063442.D	24 Jun 2025 17:24	MD/SY	Ok,M
15	Q2126-08	VU063443.D	24 Jun 2025 17:54	MD/SY	Ok,M
16	Q2126-07	VU063444.D	24 Jun 2025 18:25	MD/SY	Ok,M
17	Q2126-07	VU063445.D	24 Jun 2025 18:56	MD/SY	Ok,M
18	Q2126-07	VU063446.D	24 Jun 2025 19:26	MD/SY	Ok,M
19	VSTDCCC010	VU063447.D	24 Jun 2025 19:57	MD/SY	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062325

Review By	Mahesh Dadoda	Review On	6/25/2025 12:31:47 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:51 PM		
SubDirectory	VU062325	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134472
Initial Calibration Stds	VP134487,VP134488,VP134489,VP134490,VP134491,VP134492
CCC	
Internal Standard/PEM	VP132884
ICV/I.BLK	VP134493
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063419.D	23 Jun 2025 08:48		MD/SY	Ok
2	VSTDICC0.5	VSTDICC0.5	VU063420.D	23 Jun 2025 10:03	low repsonses	MD/SY	Not Ok
3	VSTDICC001	VSTDICC001	VU063421.D	23 Jun 2025 10:34	%D failed for Comp. #13 in 001PPB	MD/SY	Ok,M
4	VSTDICC002	VSTDICC002	VU063422.D	23 Jun 2025 11:08	Comp.#47,64,66,73,75,78,80,81, 89 are on Linear Regression	MD/SY	Ok,M
5	VSTDICC005	VSTDICC005	VU063423.D	23 Jun 2025 11:39	Comp.#13,48,54 are on Quadratic Regression	MD/SY	Ok,M
6	VSTDICCC010	VSTDICCC010	VU063424.D	23 Jun 2025 12:12	Drinking water method	MD/SY	Ok,M
7	VSTDICC015	VSTDICC015	VU063425.D	23 Jun 2025 13:05	524.2	MD/SY	Ok,M
8	VIBLK	VIBLK	VU063426.D	23 Jun 2025 14:07	25ml PURGE	MD/SY	Ok
9	VSTDICC0.5	VSTDICC0.5	VU063427.D	23 Jun 2025 14:36	%D failed for Comp. #80 in 0.5PPB	MD/SY	Ok,M
10	VSTDICV010	ICVVU062325	VU063428.D	23 Jun 2025 17:06		MD/SY	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134494,VP134499
Initial Calibration Stds	
CCC	VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506
Internal Standard/PEM	VP132884
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063429.D	24 Jun 2025 09:49		MD/SY	Ok
2	VSTDCCC010	VSTDCCC010	VU063430.D	24 Jun 2025 10:17		MD/SY	Ok,M
3	VU0624WBL01	VU0624WBL01	VU063431.D	24 Jun 2025 11:14		MD/SY	Ok
4	VU0624WBS01	VU0624WBS01	VU063432.D	24 Jun 2025 11:48		MD/SY	Ok,M
5	VU0624WBSD01	VU0624WBSD01	VU063433.D	24 Jun 2025 12:16		MD/SY	Ok,M
6	Q2377-01	PW-B6-L66-061925	VU063434.D	24 Jun 2025 12:54		MD/SY	Ok
7	Q2377-03	TB01-061925	VU063435.D	24 Jun 2025 13:22	TB	MD/SY	Ok
8	VSTDCCC010	VSTDCCC010EC	VU063436.D	24 Jun 2025 13:49		MD/SY	Ok,M
9	BFB	BFB	VU063437.D	24 Jun 2025 14:19		MD/SY	Ok
10	VSTDCCC010	VSTDCCC010	VU063438.D	24 Jun 2025 14:52		MD/SY	Ok,M
11	VU0624WBL02	VU0624WBL02	VU063439.D	24 Jun 2025 15:54		MD/SY	Ok
12	VU0624WBS02	VU0624WBS02	VU063440.D	24 Jun 2025 16:23		MD/SY	Ok,M
13	VU0624WBSD02	VU0624WBSD02	VU063441.D	24 Jun 2025 16:53		MD/SY	Ok,M
14	Q2126-08	LOQ-WATER-02-QT2-2	VU063442.D	24 Jun 2025 17:24	RL-check-0.5 ppb	MD/SY	Ok,M
15	Q2126-08	LOQ-WATER-02-QT2-2	VU063443.D	24 Jun 2025 17:54	RL-check-1.0 ppb	MD/SY	Ok,M
16	Q2126-07	LOD-MDL-WATER-01-(	VU063444.D	24 Jun 2025 18:25	0.25 ppb	MD/SY	Ok,M
17	Q2126-07	LOD-MDL-WATER-01-(	VU063445.D	24 Jun 2025 18:56	0.4 ppb	MD/SY	Ok,M
18	Q2126-07	LOD-MDL-WATER-01-(	VU063446.D	24 Jun 2025 19:26	0.8 ppb	MD/SY	Ok,M

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Fax : 908 789 8922

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134494,VP134499
Initial Calibration Stds	
CCC	VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506
Internal Standard/PEM	VP132884
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC010	VSTDCCC010EC	VU063447.D	24 Jun 2025 19:57		MD/SY	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q2377	**OrderDate:**	6/20/2025 11:23:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2377-01	**PW-B6-L66-061925**	**Water**			**06/19/25**			**06/19/25**
			VOCMS Group3	524.2			06/24/25	
Q2377-02	**PW-B6-L66-061925-SIM**	**Water**			**06/19/25**			**06/19/25**
			VOC-SIM	SFAM_VOCSIM			06/23/25	
Q2377-03	**TB01-061925**	**Water**			**06/19/25**			**06/19/25**
			VOCMS Group3	524.2			06/24/25	