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Hit Summary Sheet
SW-846

SDG No.: Q2275
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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	OW-08B-72.5-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 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
VX046665.D	1		06/12/25 15:46	VX061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	75900	5.568			
540-36-3	1,4-Difluorobenzene	134000	6.775			
3114-55-4	Chlorobenzene-d5	120000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	61900	12.024			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	EB01-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 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
VX046667.D	1		06/12/25 16:32	VX061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.3		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		70 (75) - 130 (124)	113%	SPK: 50
2037-26-5	Toluene-d8	54.4		70 (86) - 130 (113)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68400	5.574			
540-36-3	1,4-Difluorobenzene	128000	6.775			
3114-55-4	Chlorobenzene-d5	115000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	59200	12.024			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

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J = Estimated Value

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N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	TB01-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 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
VX046668.D	1		06/12/25 16:55	VX061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		70 (74) - 130 (125)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	46.0		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	87100	5.574			
540-36-3	1,4-Difluorobenzene	148000	6.775			
3114-55-4	Chlorobenzene-d5	136000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	70800	12.024			

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

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J = Estimated Value

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2275-01	OW-08B-72.5-060925	1,2-Dichloroethane-d4	50	50.4	101	70 (74)	130 (125)
		Dibromofluoromethane	50	53.9	108	70 (75)	130 (124)
		Toluene-d8	50	52.1	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.4	107	70 (77)	130 (121)
Q2275-03	EB01-060925	1,2-Dichloroethane-d4	50	55.3	111	70 (74)	130 (125)
		Dibromofluoromethane	50	56.6	113	70 (75)	130 (124)
		Toluene-d8	50	54.4	109	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.2	110	70 (77)	130 (121)
Q2275-05	TB01-060925	1,2-Dichloroethane-d4	50	41.9	84	70 (74)	130 (125)
		Dibromofluoromethane	50	47.6	95	70 (75)	130 (124)
		Toluene-d8	50	46.0	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.1	92	70 (77)	130 (121)
VX0612WBL01	VX0612WBL01	1,2-Dichloroethane-d4	50	46.2	92	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	52.4	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.6	109	70 (77)	130 (121)
VX0612WBS01	VX0612WBS01	1,2-Dichloroethane-d4	50	41.5	83	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.1	96	70 (77)	130 (121)
VX0612WBSD01	VX0612WBSD01	1,2-Dichloroethane-d4	50	44.8	90	70 (74)	130 (125)
		Dibromofluoromethane	50	49.7	99	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX046660.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0612WBS01	Vinyl chloride	20	15.1	ug/L	76			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.3	ug/L	86			70 (74)	130 (110)	
	1,1-Dichloroethane	20	17.8	ug/L	89			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	18.1	ug/L	91			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.6	ug/L	88			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			70 (83)	130 (112)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX046662.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0612WBSD01	Vinyl chloride	20	15.3	ug/L	77	1		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	17.2	ug/L	86	0		70 (74)	130 (110)	20 (20)
	1,1-Dichloroethane	20	18.4	ug/L	92	3		70 (78)	130 (112)	20 (20)
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	4		70 (77)	130 (110)	20 (20)
	1,1,1-Trichloroethane	20	18.4	ug/L	92	3		70 (80)	130 (108)	20 (20)
	Benzene	20	19.0	ug/L	95	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.1	ug/L	96	9		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.9	ug/L	95	2		70 (77)	130 (113)	20 (15)
	1,1,2-Trichloroethane	20	22.1	ug/L	111	7		70 (83)	130 (112)	20 (20)
	Tetrachloroethene	20	18.5	ug/L	93	2		70 (67)	130 (123)	20 (15)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0612WBL01

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2275

SAS No.: Q2275 SDG NO.: Q2275

Lab File ID: VX046659.D

Lab Sample ID: VX0612WBL01

Date Analyzed: 06/12/2025

Time Analyzed: 13:10

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0612WBS01	VX0612WBS01	VX046660.D	06/12/2025
VX0612WBSD01	VX0612WBSD01	VX046662.D	06/12/2025
OW-08B-72.5-060925	Q2275-01	VX046665.D	06/12/2025
EB01-060925	Q2275-03	VX046667.D	06/12/2025
TB01-060925	Q2275-05	VX046668.D	06/12/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
Lab File ID: VX046516.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:47
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	21
75	30.0 - 60.0% of mass 95	56.5
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	0.6 (1) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	5 (7.7) 1
176	95.0 - 101.0% of mass 174	62.7 (96.1) 1
177	5.0 - 9.0% of mass 176	4.2 (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
VSTDIC005	VSTDIC005	VX046518.D	06/06/2025	09:42
VSTDIC020	VSTDIC020	VX046519.D	06/06/2025	10:18
VSTDIC050	VSTDIC050	VX046520.D	06/06/2025	10:40
VSTDIC100	VSTDIC100	VX046521.D	06/06/2025	11:02
VSTDIC150	VSTDIC150	VX046522.D	06/06/2025	11:25
VSTDIC001	VSTDIC001	VX046524.D	06/06/2025	12:57

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
Lab File ID: VX046656.D BFB Injection Date: 06/12/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:44
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	19.2
75	30.0 - 60.0% of mass 95	51
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	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.9 (8.1) 1
176	95.0 - 101.0% of mass 174	72.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 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	VX046657.D	06/12/2025	10:11
VX0612WBL01	VX0612WBL01	VX046659.D	06/12/2025	13:10
VX0612WBS01	VX0612WBS01	VX046660.D	06/12/2025	13:38
VX0612WBSD01	VX0612WBSD01	VX046662.D	06/12/2025	14:26
OW-08B-72.5-060925	Q2275-01	VX046665.D	06/12/2025	15:46
EB01-060925	Q2275-03	VX046667.D	06/12/2025	16:32
TB01-060925	Q2275-05	VX046668.D	06/12/2025	16:55

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
Lab File ID: VX046657.D Date Analyzed: 06/12/2025
Instrument ID: MSVOA_X Time Analyzed: 10:11
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	82603	5.56	125406	6.77	118101	10.06
UPPER LIMIT	165206	6.056	250812	7.269	236202	10.555
LOWER LIMIT	41301.5	5.056	62703	6.269	59050.5	9.555
EPA SAMPLE NO.						
OW-08B-72.5-060925	75942	5.57	133627	6.78	120396	10.06
EB01-060925	68445	5.57	127742	6.78	114769	10.06
TB01-060925	87075	5.57	148474	6.78	135692	10.06
VX0612WBL01	92224	5.57	180952	6.78	188641	10.06
VX0612WBS01	85578	5.56	144622	6.77	130715	10.06
VX0612WBSD01	77335	5.57	133427	6.78	124864	10.06

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
 Lab File ID: VX046657.D Date Analyzed: 06/12/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:11
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	60636	12.018				
UPPER LIMIT	121272	12.518				
LOWER LIMIT	30318	11.518				
EPA SAMPLE NO.						
OW-08B-72.5-060925	61889	12.02				
EB01-060925	59204	12.02				
TB01-060925	70754	12.02				
VX0612WBL01	95358	12.02				
VX0612WBS01	69016	12.02				
VX0612WBSD01	65393	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VX0612WBL01	SDG No.:	Q2275
Lab Sample ID:	VX0612WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 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
VX046659.D	1		06/12/25 13:10	VX061225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	52.4		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92200	5.568			
540-36-3	1,4-Difluorobenzene	181000	6.775			
3114-55-4	Chlorobenzene-d5	189000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	95400	12.024			

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

A = Aldol-Condensation Reaction Products

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG No.: Q2275
 Instrument ID: MSVOA_X Calibration Date(s): 06/06/2025 06/06/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:57
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX046518.D		RRF020 = VX046519.D		RRF050 = VX046520.D			
		RRF100 = VX046521.D		RRF150 = VX046522.D		RRF001 = VX046524.D			
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD	
Vinyl Chloride	0.697	0.593	0.596	0.591	0.622	0.679	0.630	7.5	
1,1-Dichloroethene	0.663	0.550	0.567	0.561	0.585	0.635	0.594	7.6	
1,1-Dichloroethane	1.349	1.266	1.259	1.234	1.297	1.281	1.281	3.1	
cis-1,2-Dichloroethene	0.786	0.752	0.741	0.728	0.767	0.866	0.773	6.4	
1,1,1-Trichloroethane	1.170	1.131	1.141	1.128	1.188	1.131	1.148	2.2	
Benzene	1.597	1.503	1.427	1.380	1.442	1.522	1.479	5.3	
1,2-Dichloroethane	0.646	0.641	0.610	0.586	0.602	0.606	0.615	3.8	
Trichloroethene	0.385	0.356	0.351	0.332	0.354	0.476	0.376	13.8	
1,1,2-Trichloroethane	0.375	0.389	0.366	0.356	0.372	0.331	0.365	5.4	
Tetrachloroethene	0.347	0.324	0.310	0.301	0.314	0.410	0.334	12.1	
1,2-Dichloroethane-d4	0.997	0.848	0.873	0.828	0.900		0.890	7.4	
Dibromofluoromethane	0.392	0.353	0.368	0.347	0.379		0.368	5	
Toluene-d8	1.362	1.159	1.188	1.132	1.220		1.212	7.4	
4-Bromofluorobenzene	0.564	0.482	0.493	0.468	0.501		0.502	7.4	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG No.: Q2275

Instrument ID: MSVOA_X Calibration Date/Time: 06/12/2025 10:11

Lab File ID: VX046657.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.630	0.498		-20.95	20
1,1-Dichloroethene	0.594	0.579		-2.53	20
1,1-Dichloroethane	1.281	1.183	0.1	-7.65	20
cis-1,2-Dichloroethene	0.773	0.764		-1.16	20
1,1,1-Trichloroethane	1.148	1.075		-6.36	20
Benzene	1.479	1.498		1.28	20
1,2-Dichloroethane	0.615	0.566		-7.97	20
Trichloroethene	0.376	0.394		4.79	20
1,1,2-Trichloroethane	0.365	0.423		15.89	20
Tetrachloroethene	0.334	0.342		2.39	20
1,2-Dichloroethane-d4	0.890	0.711		-20.11	20
Dibromofluoromethane	0.368	0.434		17.93	20
Toluene-d8	1.212	1.368		12.87	20
4-Bromofluorobenzene	0.502	0.561		11.75	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_X\Data\VX061225\
 Data File : VX046665.D
 Acq On : 12 Jun 2025 15:46
 Operator : JC/MD
 Sample : Q2275-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-08B-72.5-060925

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 13 01:45:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

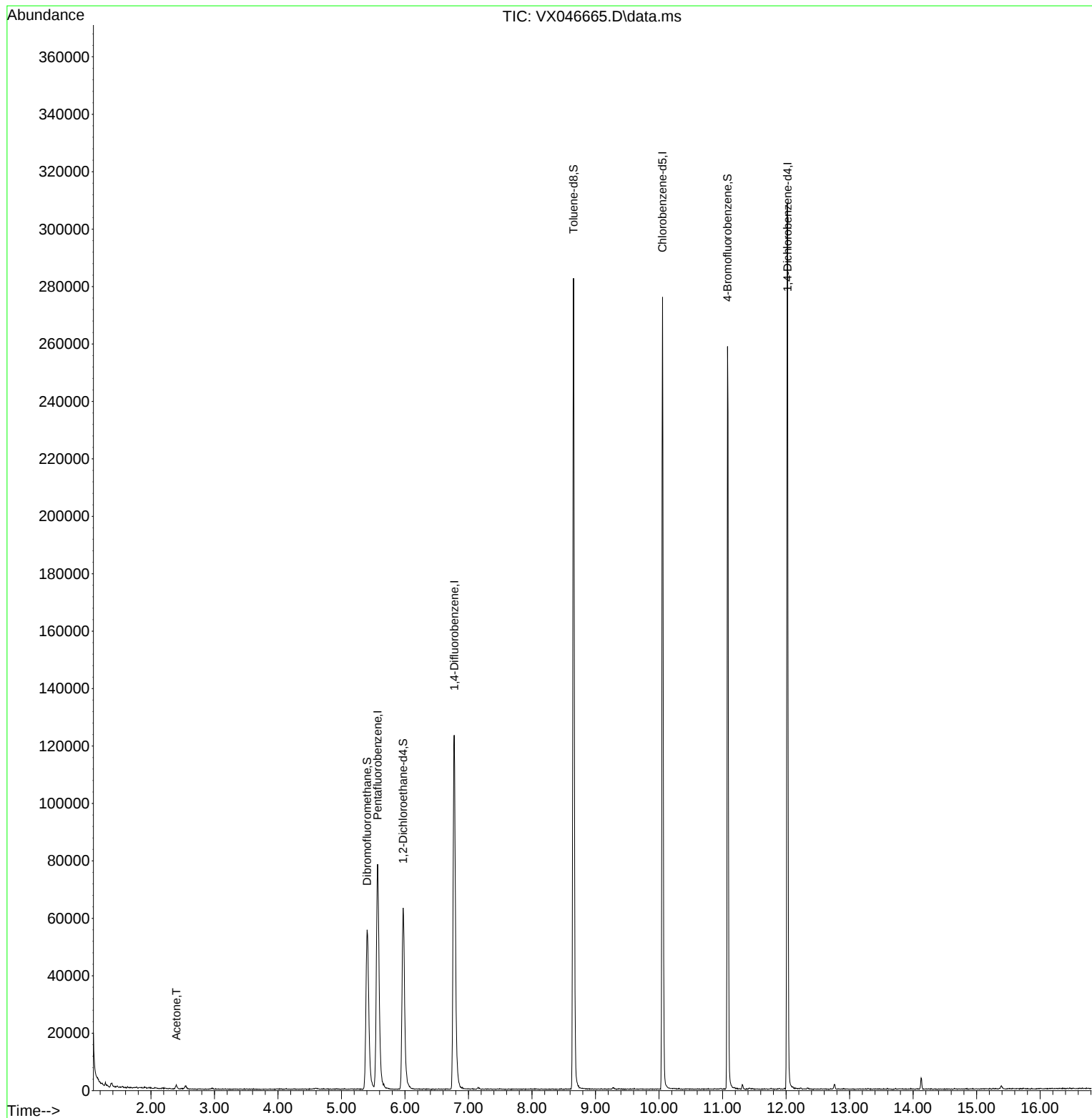
Internal Standards						
1) Pentafluorobenzene	5.568	168	75942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	133627	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	68098	50.402	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.800%		
35) Dibromofluoromethane	5.403	113	52947	53.880	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.760%		
50) Toluene-d8	8.653	98	168786	52.098	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.200%		
62) 4-Bromofluorobenzene	11.079	95	71637	53.442	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.880%		
Target Compounds						
						Qvalue
16) Acetone	2.398	43	1798	7.921	ug/l #	86

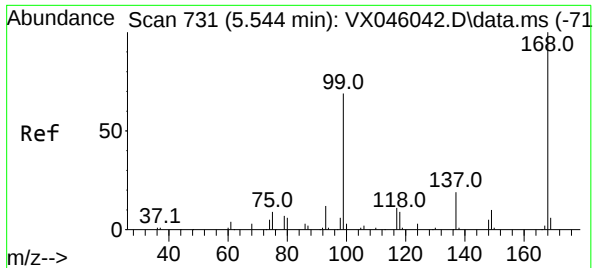
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046665.D
Acq On : 12 Jun 2025 15:46
Operator : JC/MD
Sample : Q2275-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-060925

Quant Time: Jun 13 01:45:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

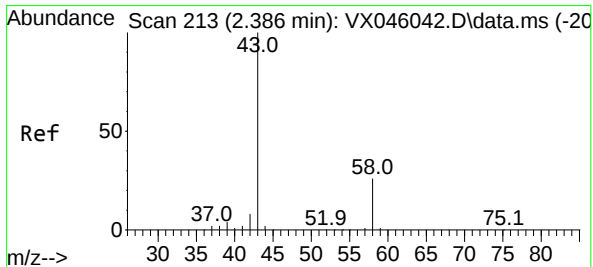
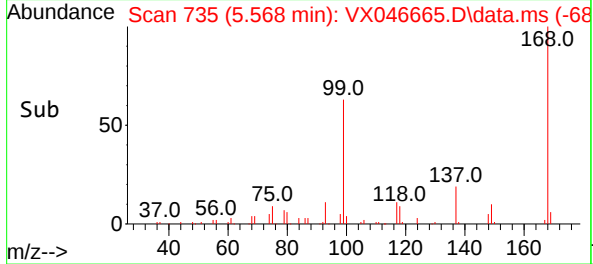
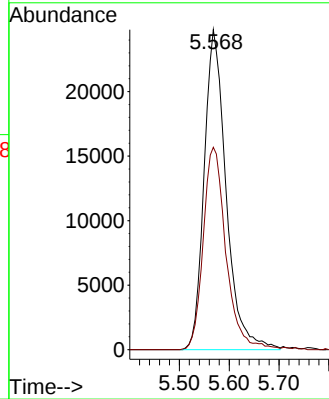
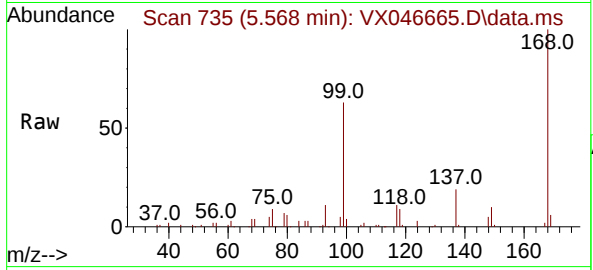




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046665.D
Acq: 12 Jun 2025 15:46

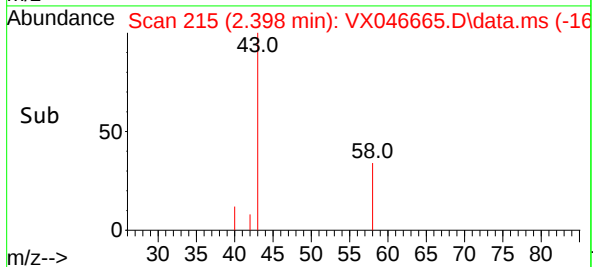
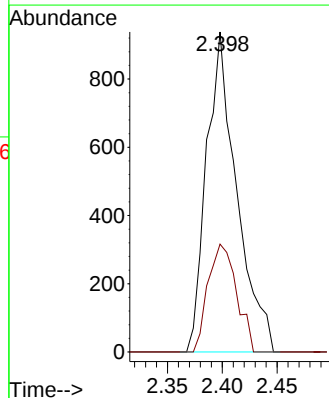
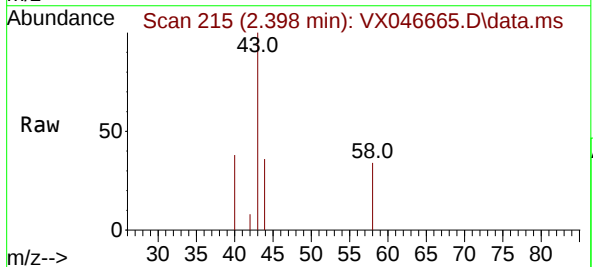
Instrument :
MSVOA_X
ClientSampleId :
OW-08B-72.5-060925

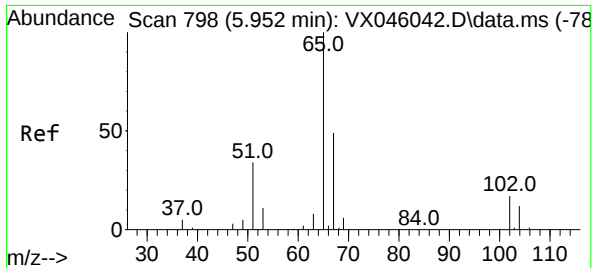
Tgt Ion:168 Resp: 75942
Ion Ratio Lower Upper
168 100
99 63.3 54.9 82.3



#16
Acetone
Concen: 7.921 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046665.D
Acq: 12 Jun 2025 15:46

Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 33.7 21.2 31.8#





#33

1,2-Dichloroethane-d4

Concen: 50.402 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046665.D

Acq: 12 Jun 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

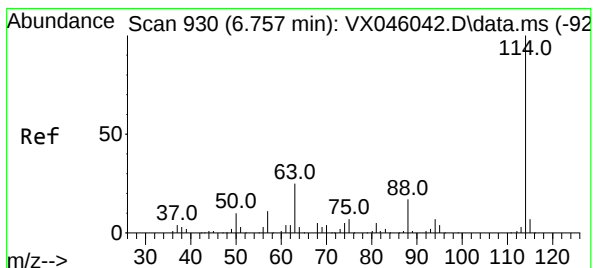
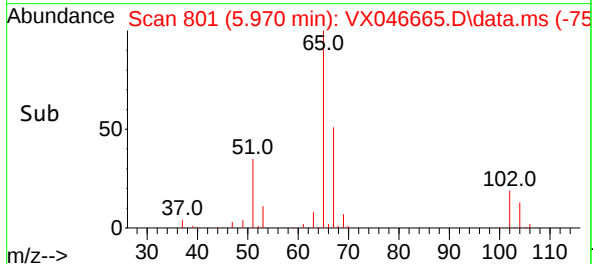
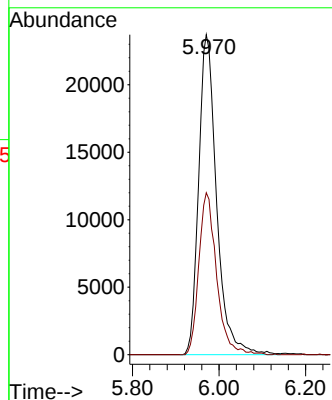
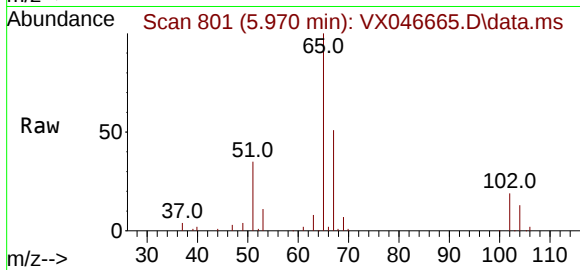
OW-08B-72.5-060925

Tgt Ion: 65 Resp: 68098

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046665.D

Acq: 12 Jun 2025 15:46

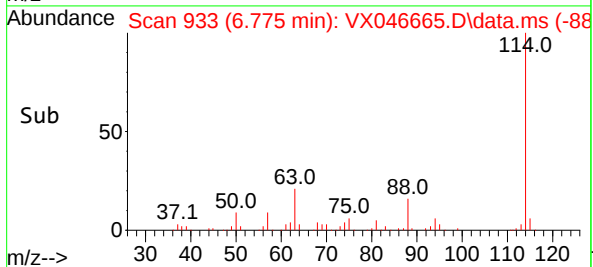
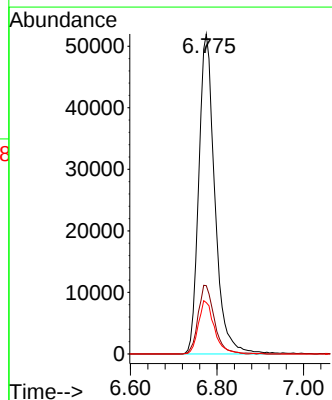
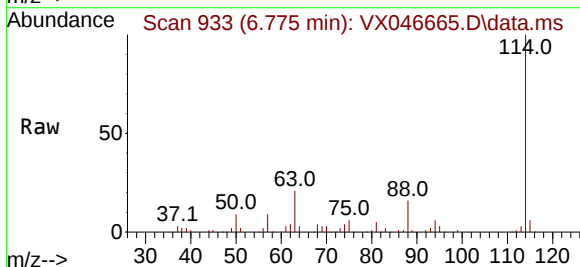
Tgt Ion: 114 Resp: 133627

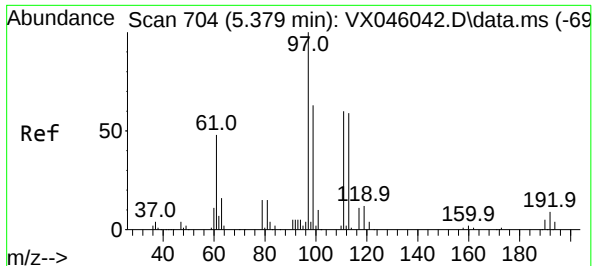
Ion Ratio Lower Upper

114 100

63 21.3 0.0 49.2

88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 53.880 ug/l

RT: 5.403 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046665.D

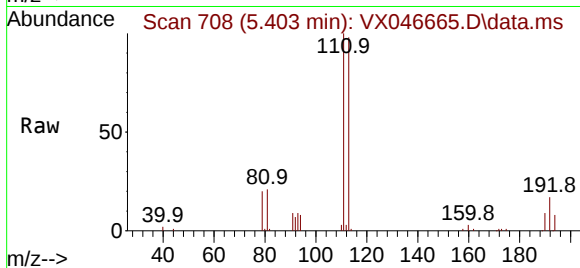
Acq: 12 Jun 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

OW-08B-72.5-060925



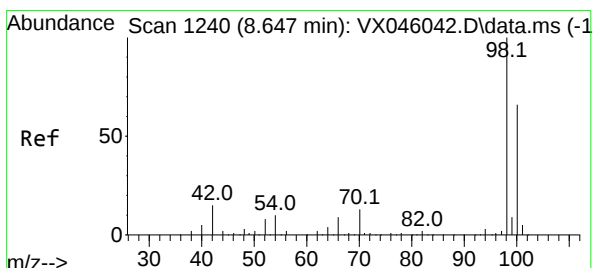
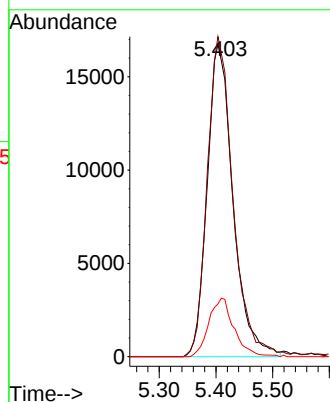
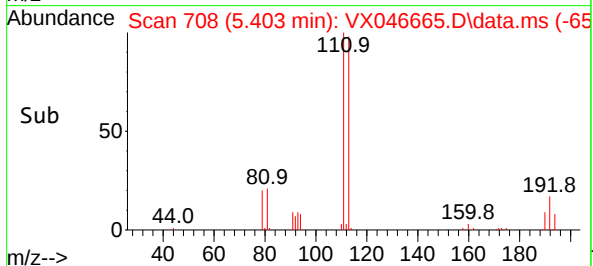
Tgt Ion:113 Resp: 52947

Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

192 18.3 13.3 19.9



#50

Toluene-d8

Concen: 52.098 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046665.D

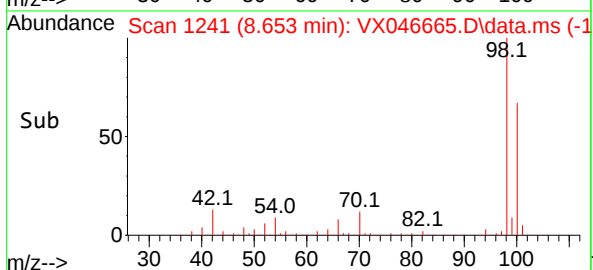
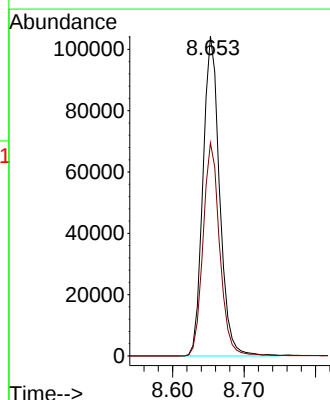
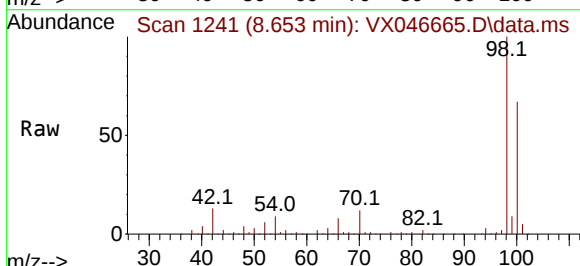
Acq: 12 Jun 2025 15:46

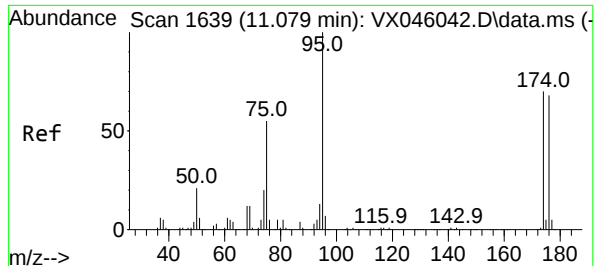
Tgt Ion: 98 Resp: 168786

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 53.442 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046665.D

Acq: 12 Jun 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

OW-08B-72.5-060925

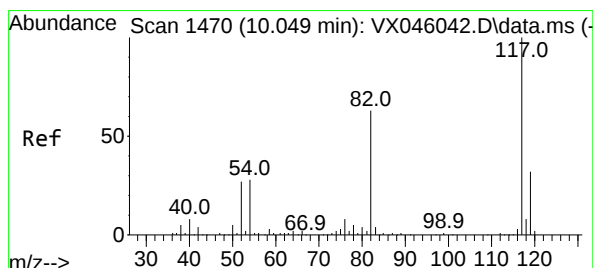
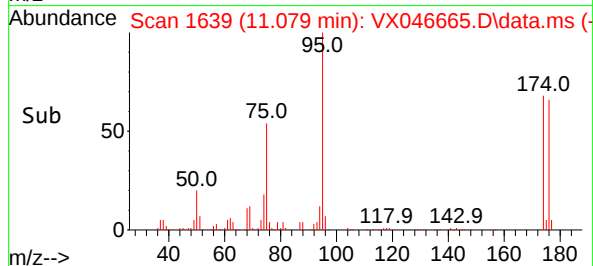
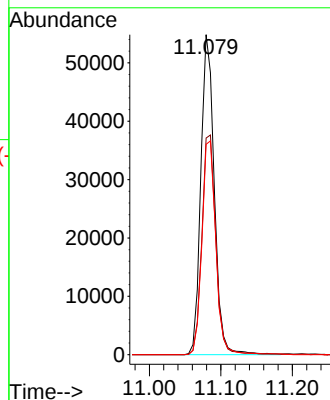
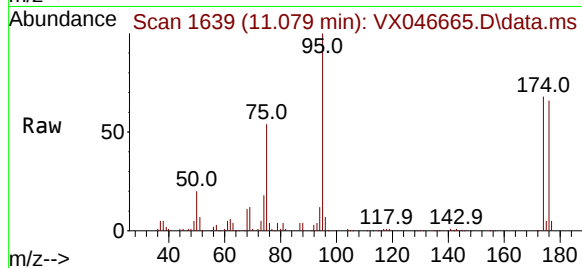
Tgt Ion: 95 Resp: 71637

Ion Ratio Lower Upper

95 100

174 71.4 0.0 135.8

176 68.9 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046665.D

Acq: 12 Jun 2025 15:46

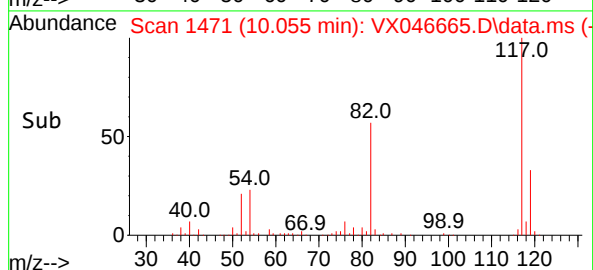
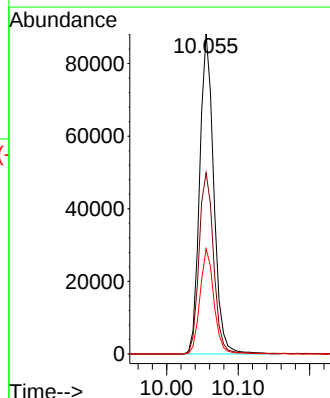
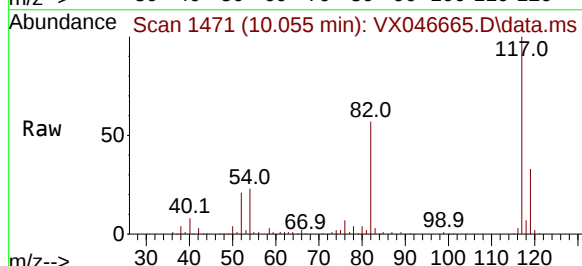
Tgt Ion: 117 Resp: 120396

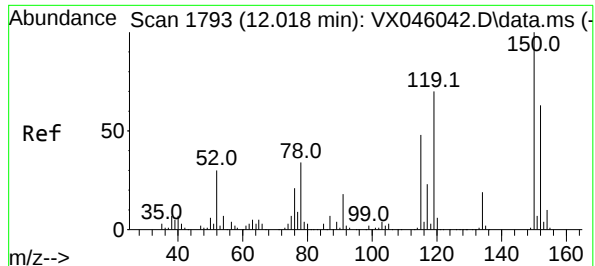
Ion Ratio Lower Upper

117 100

82 56.6 50.6 76.0

119 32.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046665.D

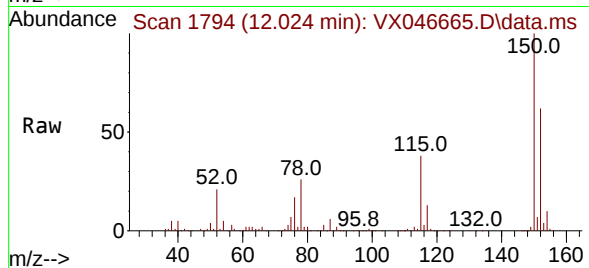
Acq: 12 Jun 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

OW-08B-72.5-060925



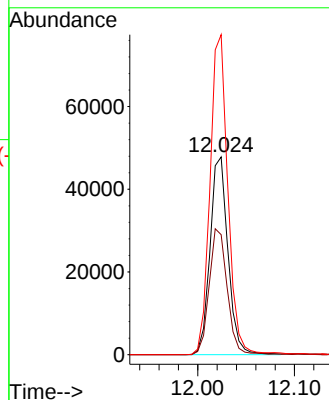
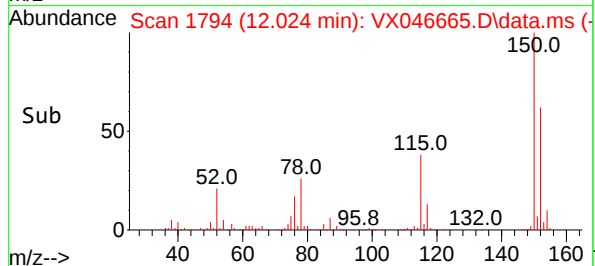
Tgt Ion:152 Resp: 61889

Ion Ratio Lower Upper

152 100

115 63.9 46.9 140.7

150 161.2 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046667.D
 Acq On : 12 Jun 2025 16:32
 Operator : JC/MD
 Sample : Q2275-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-060925

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 13 01:46:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

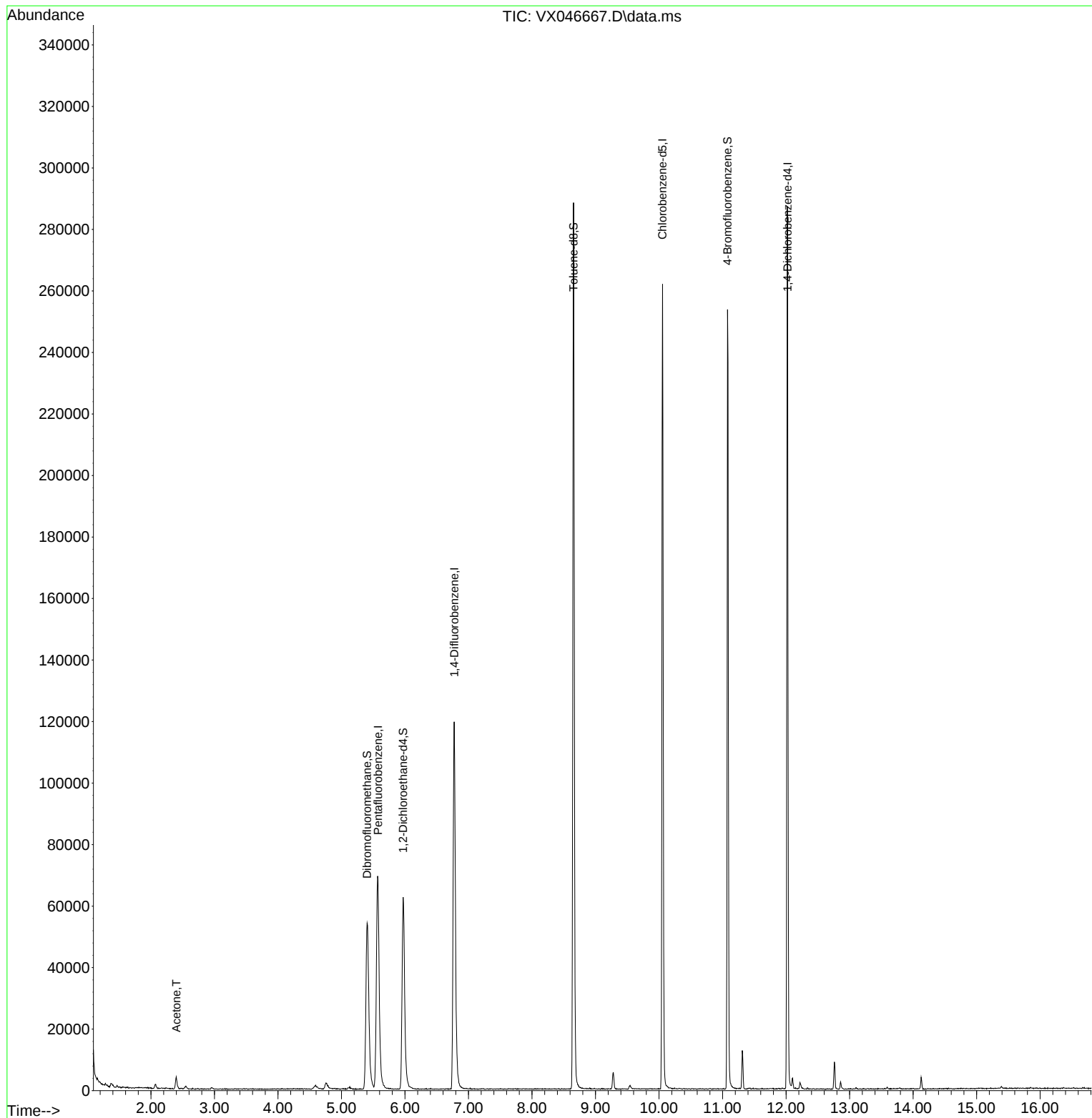
Internal Standards						
1) Pentafluorobenzene	5.574	168	68445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	127742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	67313	55.279	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.560%			
35) Dibromofluoromethane	5.403	113	53151	56.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.160%			
50) Toluene-d8	8.653	98	168357	54.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.720%			
62) 4-Bromofluorobenzene	11.079	95	70746	55.209	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.420%			
Target Compounds					Qvalue	
16) Acetone	2.398	43	4909	14.672	ug/l	97

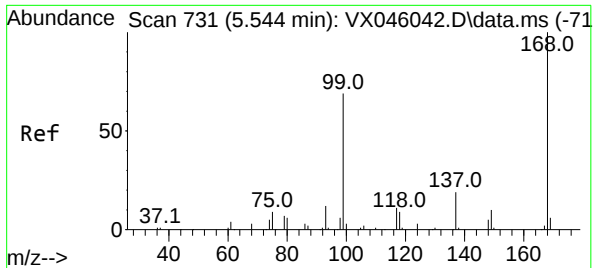
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046667.D
Acq On : 12 Jun 2025 16:32
Operator : JC/MD
Sample : Q2275-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

Quant Time: Jun 13 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

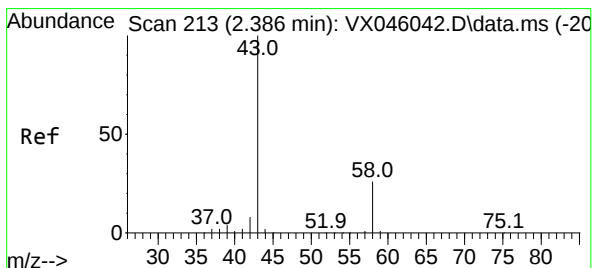
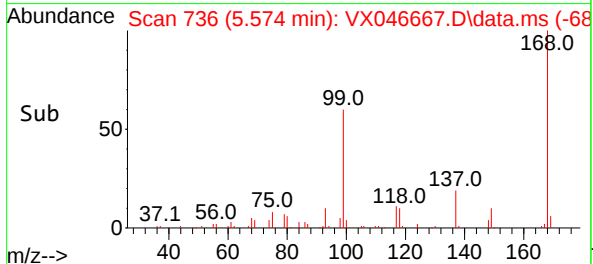
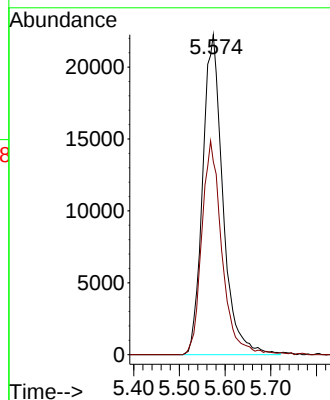
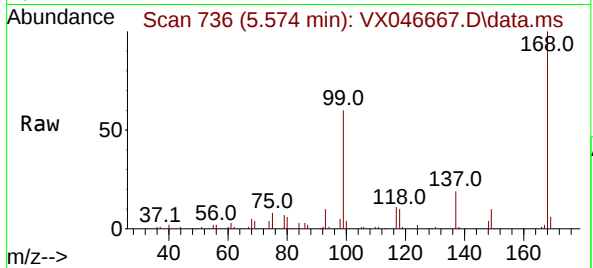




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

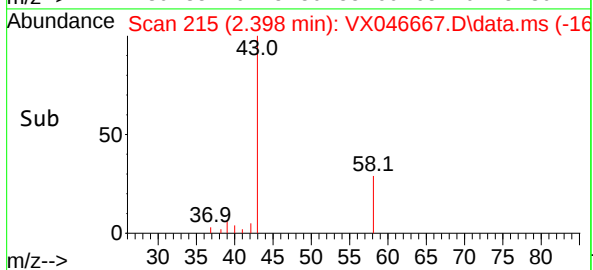
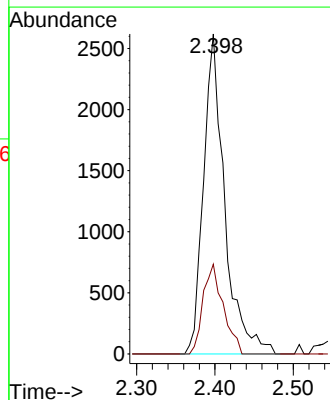
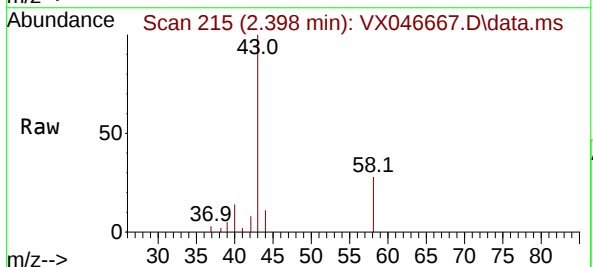
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

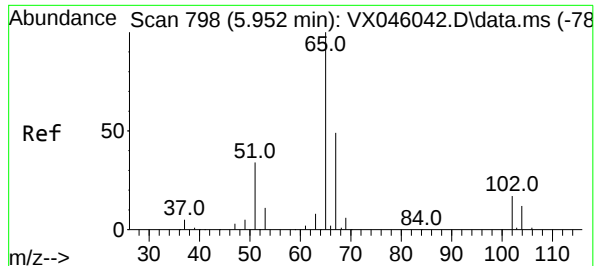
Tgt Ion:168 Resp: 68445
Ion Ratio Lower Upper
168 100
99 60.3 54.9 82.3



#16
Acetone
Concen: 14.672 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 43 Resp: 4909
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8





#33

1,2-Dichloroethane-d4

Concen: 55.279 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

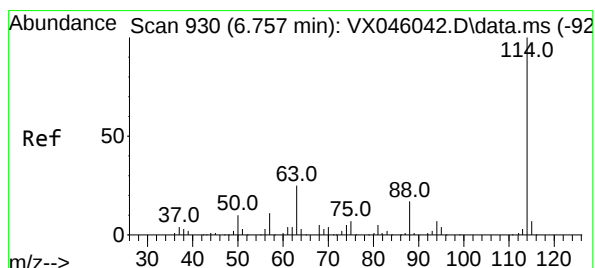
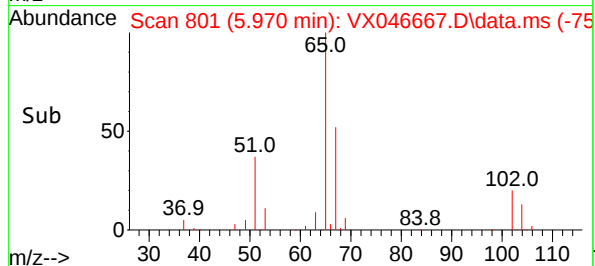
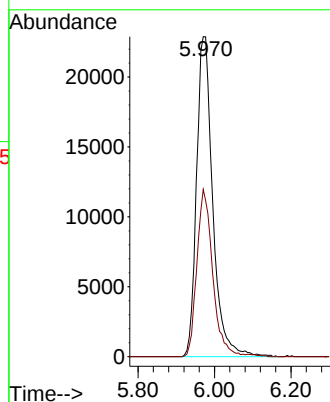
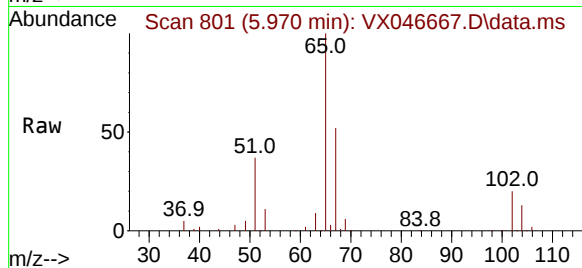
EB01-060925

Tgt Ion: 65 Resp: 67313

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

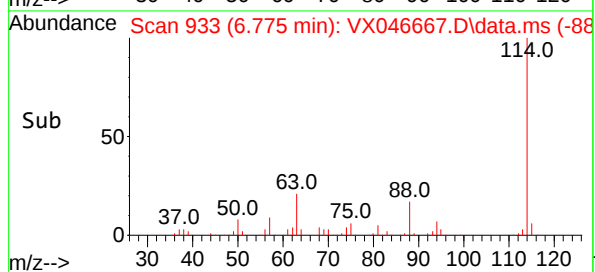
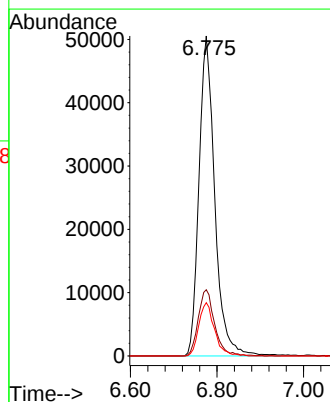
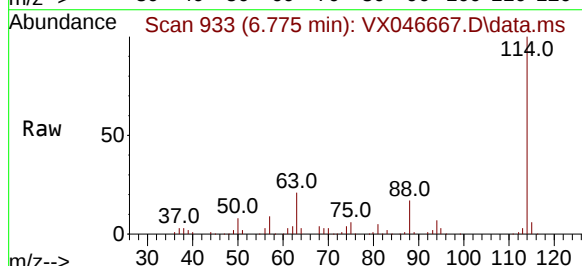
Tgt Ion: 114 Resp: 127742

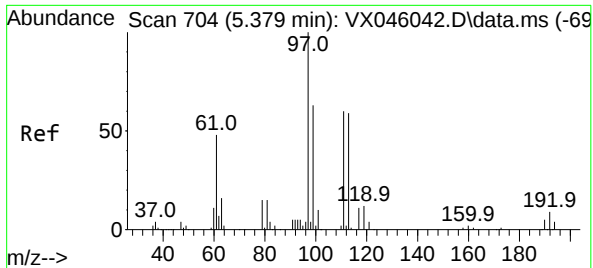
Ion Ratio Lower Upper

114 100

63 20.7 0.0 49.2

88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 56.579 ug/l

RT: 5.403 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046667.D

Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

EB01-060925

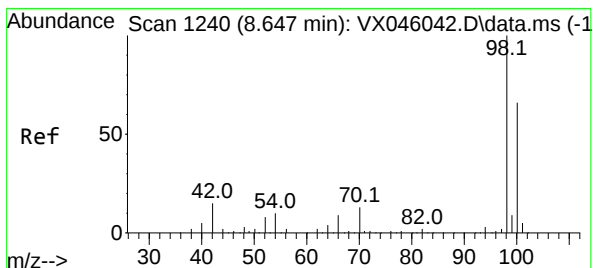
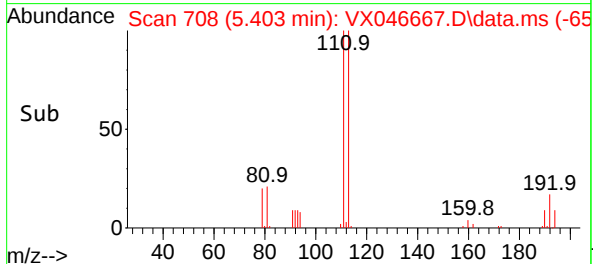
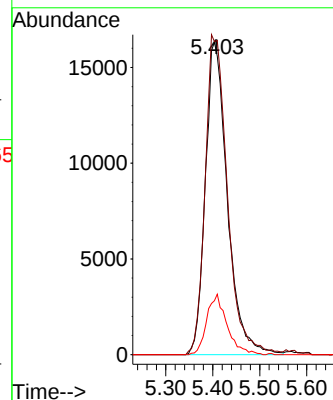
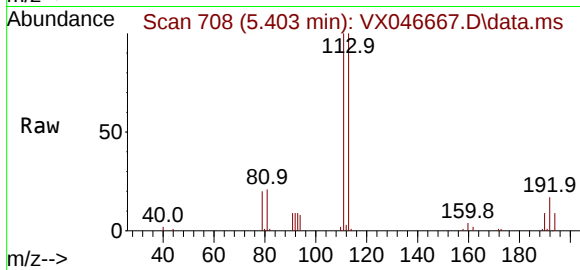
Tgt Ion:113 Resp: 53151

Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

192 17.8 13.3 19.9



#50

Toluene-d8

Concen: 54.359 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046667.D

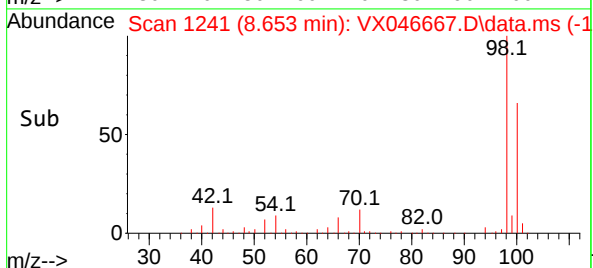
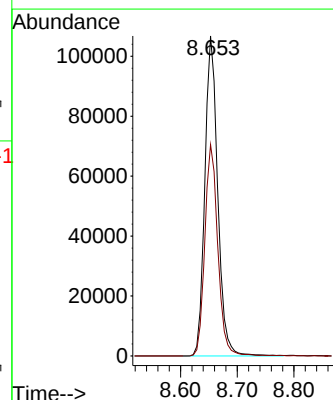
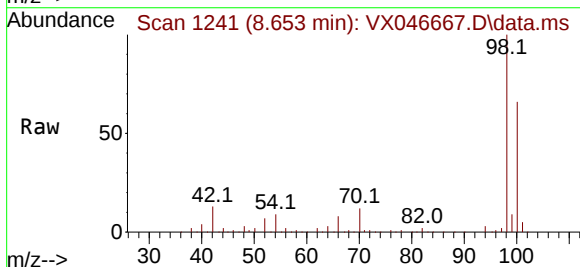
Acq: 12 Jun 2025 16:32

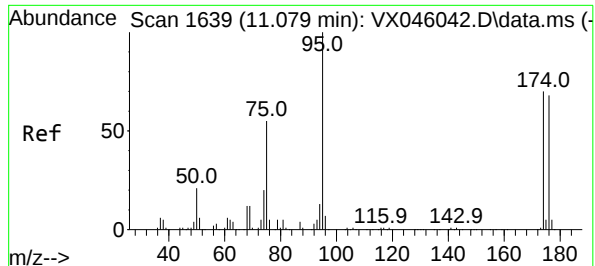
Tgt Ion: 98 Resp: 168357

Ion Ratio Lower Upper

98 100

100 66.8 53.5 80.3

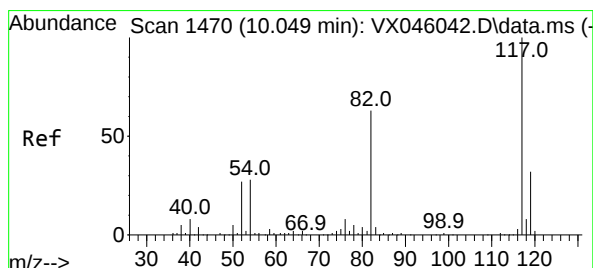
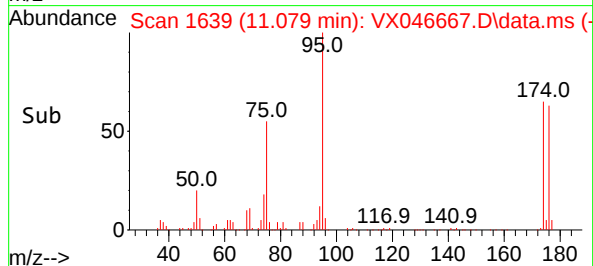
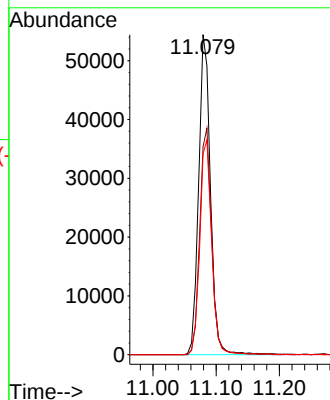
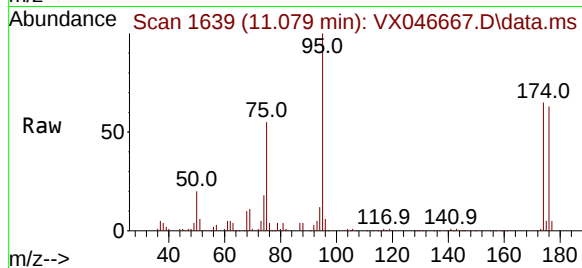




#62
4-Bromofluorobenzene
Concen: 55.209 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

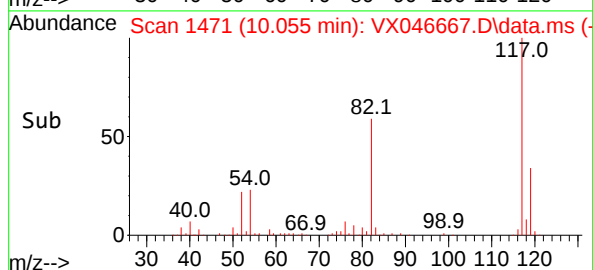
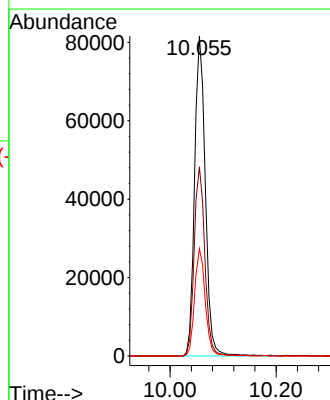
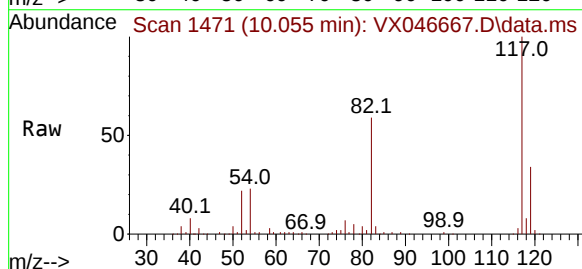
Instrument :
MSVOA_X
ClientSampleId :
EB01-060925

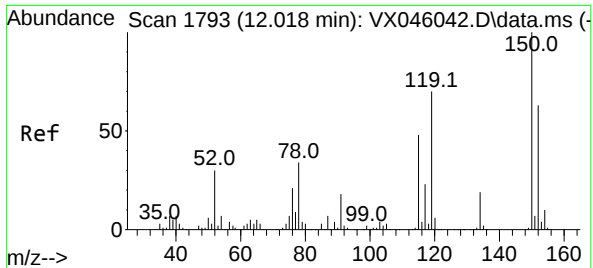
Tgt Ion: 95 Resp: 70746
Ion Ratio Lower Upper
95 100
174 71.4 0.0 135.8
176 67.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046667.D
Acq: 12 Jun 2025 16:32

Tgt Ion: 117 Resp: 114769
Ion Ratio Lower Upper
117 100
82 59.1 50.6 76.0
119 33.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046667.D

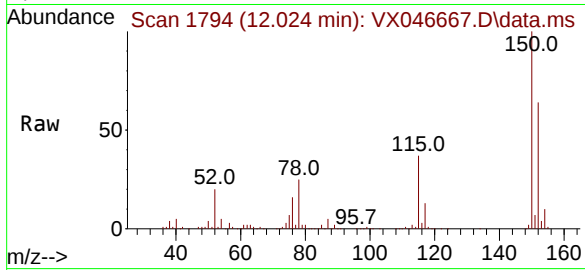
Acq: 12 Jun 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

EB01-060925



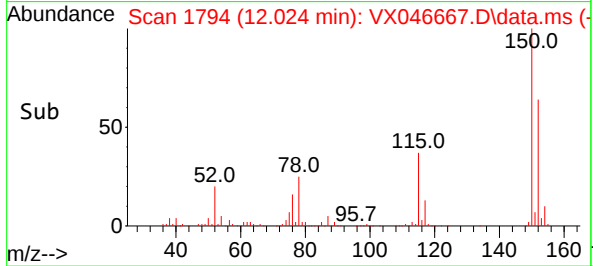
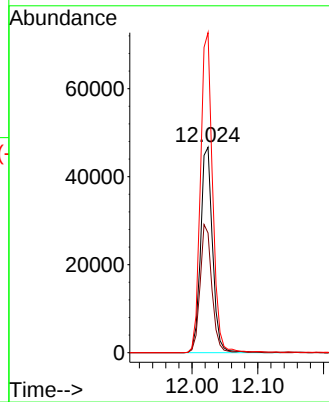
Tgt Ion:152 Resp: 59204

Ion Ratio Lower Upper

152 100

115 61.1 46.9 140.7

150 157.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046668.D
 Acq On : 12 Jun 2025 16:55
 Operator : JC/MD
 Sample : Q2275-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-060925

Quant Time: Jun 13 01:46:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

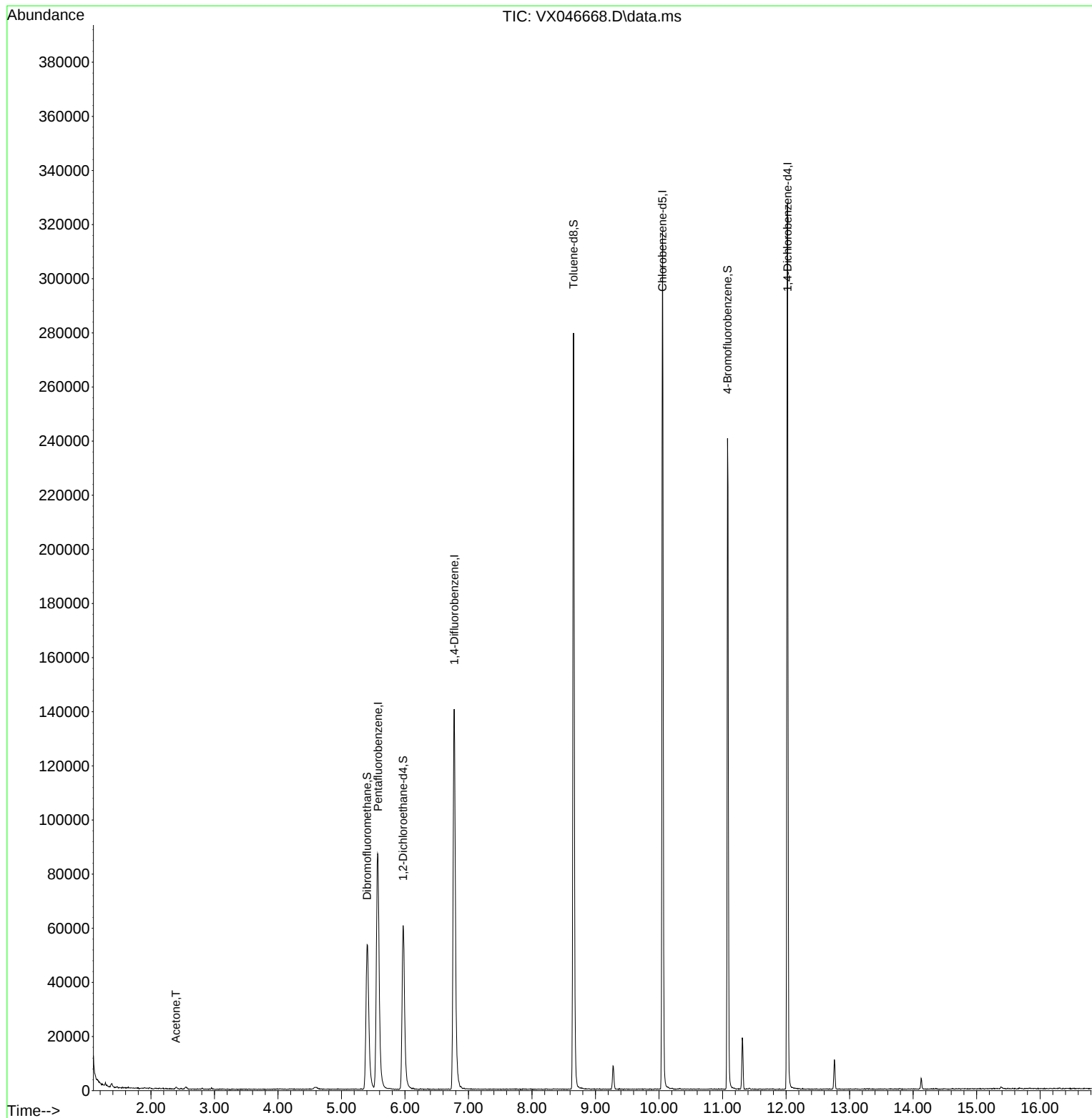
Internal Standards						
1) Pentafluorobenzene	5.574	168	87075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	148474	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	64851	41.862	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.720%
35) Dibromofluoromethane	5.403	113	51974	47.601	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.200%
50) Toluene-d8	8.653	98	165485	45.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.940%
62) 4-Bromofluorobenzene	11.079	95	68623	46.075	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.140%
Target Compounds						
16) Acetone	2.392	43	999	6.206	ug/l	90

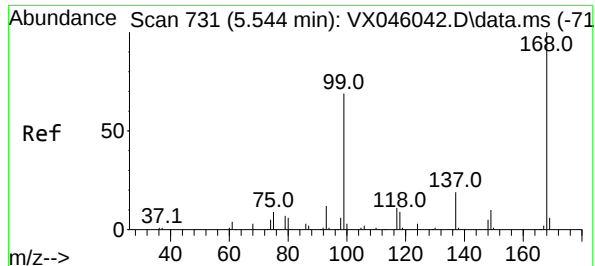
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046668.D
Acq On : 12 Jun 2025 16:55
Operator : JC/MD
Sample : Q2275-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB01-060925

Quant Time: Jun 13 01:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

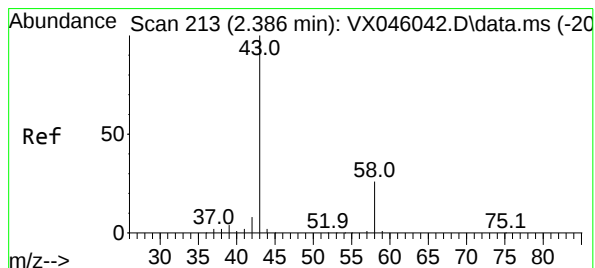
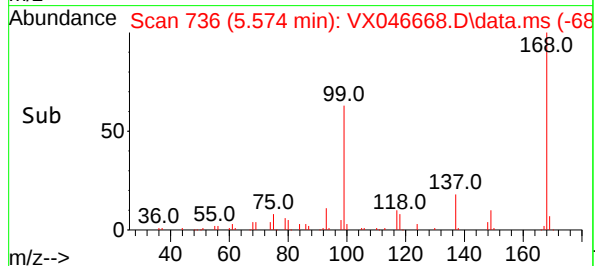
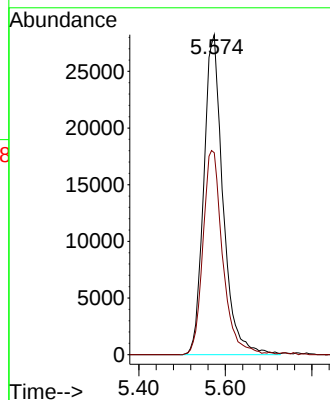
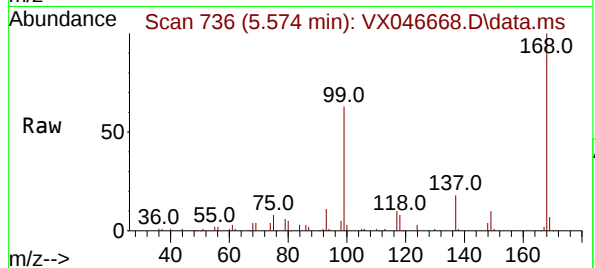




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046668.D
Acq: 12 Jun 2025 16:55

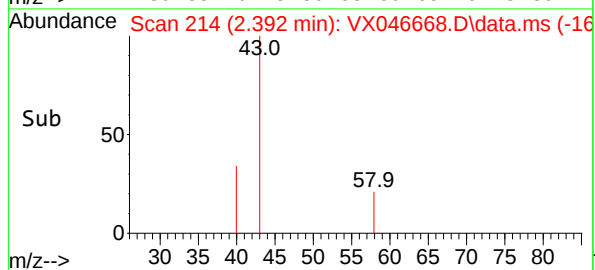
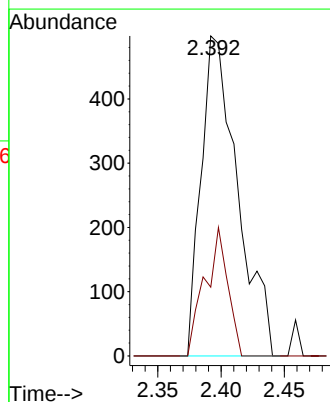
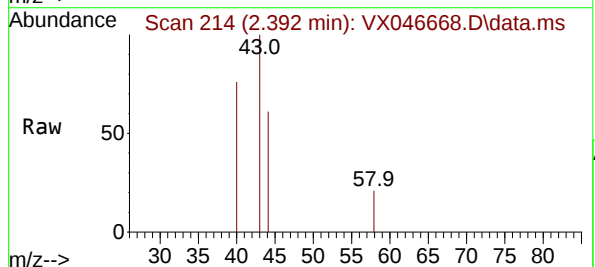
Instrument :
MSVOA_X
ClientSampleId :
TB01-060925

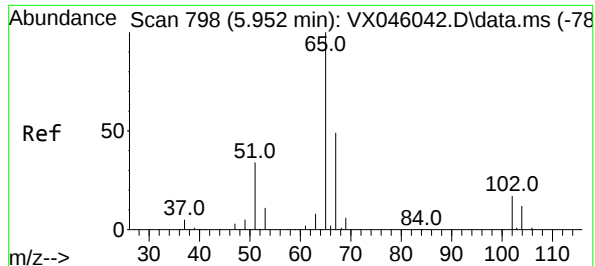
Tgt Ion:168 Resp: 87075
Ion Ratio Lower Upper
168 100
99 63.1 54.9 82.3



#16
Acetone
Concen: 6.206 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046668.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 21.5 21.2 31.8





#33

1,2-Dichloroethane-d4

Concen: 41.862 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.000 min

Lab File: VX046668.D

Acq: 12 Jun 2025 16:55

Instrument :

MSVOA_X

ClientSampleId :

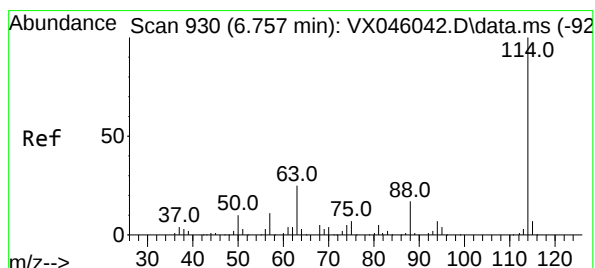
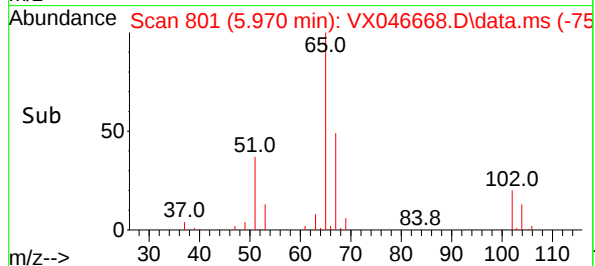
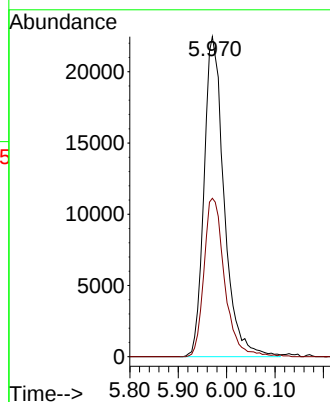
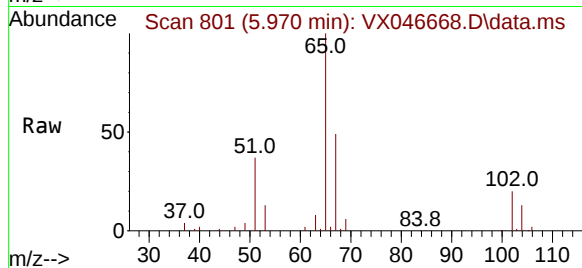
TB01-060925

Tgt Ion: 65 Resp: 64851

Ion Ratio Lower Upper

65 100

67 51.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.775 min Scan# 933

Delta R.T. 0.000 min

Lab File: VX046668.D

Acq: 12 Jun 2025 16:55

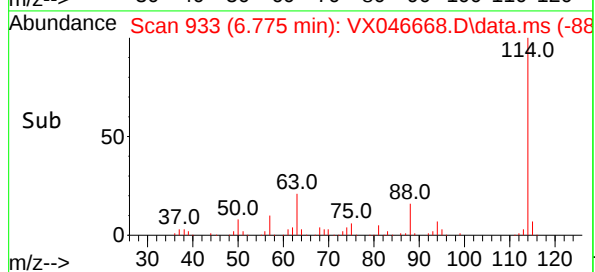
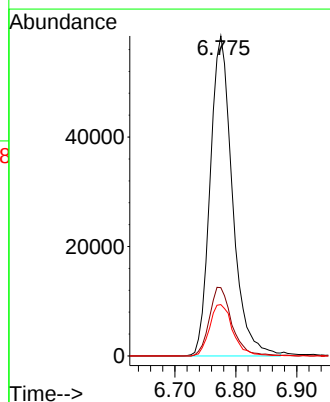
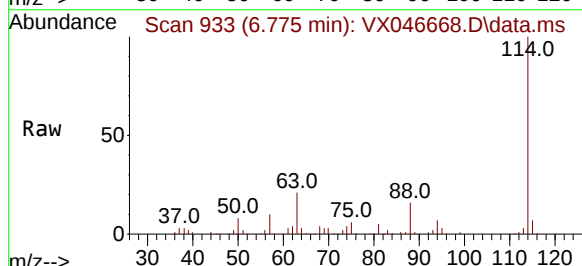
Tgt Ion: 114 Resp: 148474

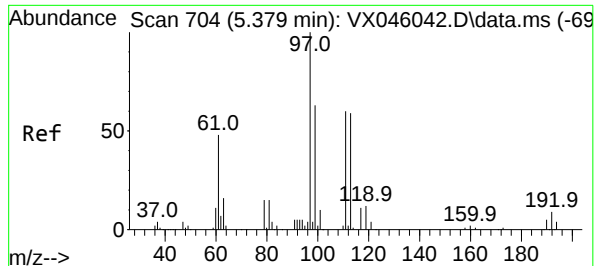
Ion Ratio Lower Upper

114 100

63 21.3 0.0 49.2

88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.601 ug/l

RT: 5.403 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046668.D

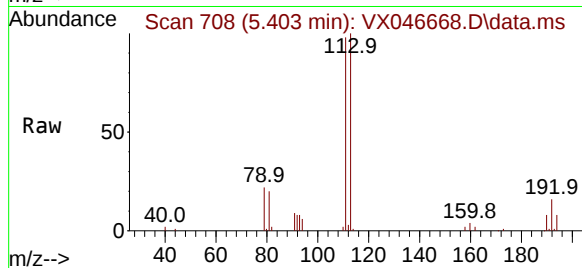
Acq: 12 Jun 2025 16:55

Instrument :

MSVOA_X

ClientSampleId :

TB01-060925



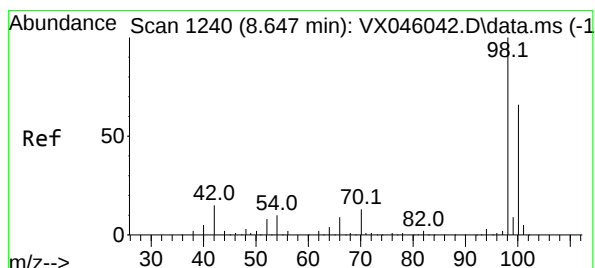
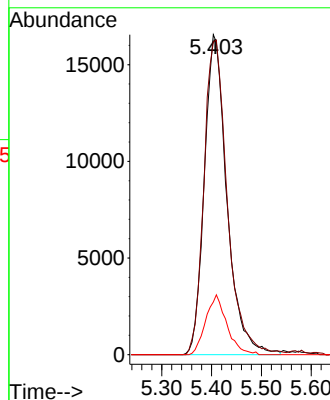
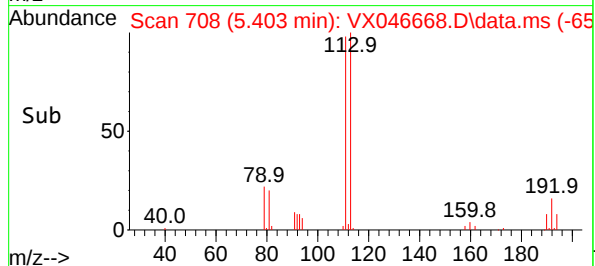
Tgt Ion:113 Resp: 51974

Ion Ratio Lower Upper

113 100

111 102.0 83.1 124.7

192 17.6 13.3 19.9



#50

Toluene-d8

Concen: 45.971 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046668.D

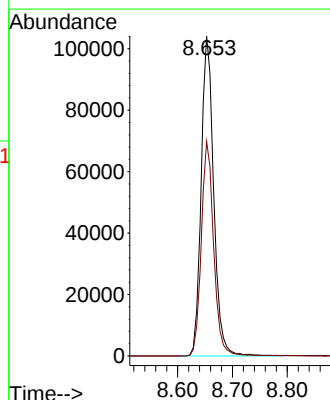
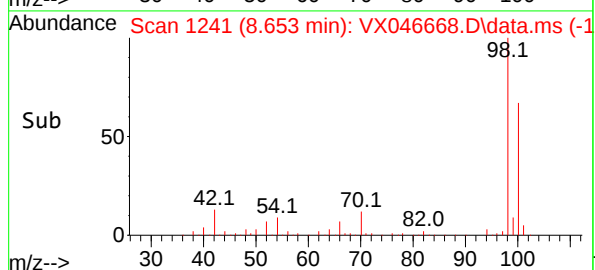
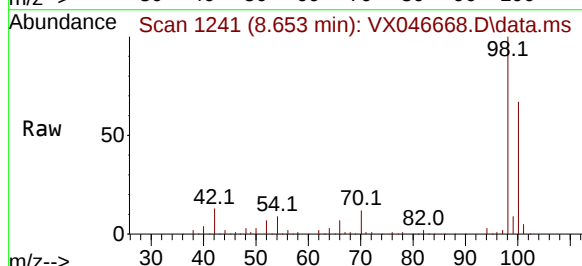
Acq: 12 Jun 2025 16:55

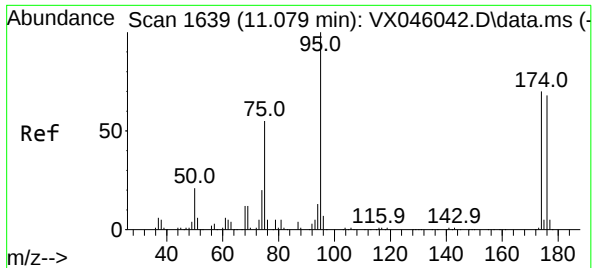
Tgt Ion: 98 Resp: 165485

Ion Ratio Lower Upper

98 100

100 66.2 53.5 80.3

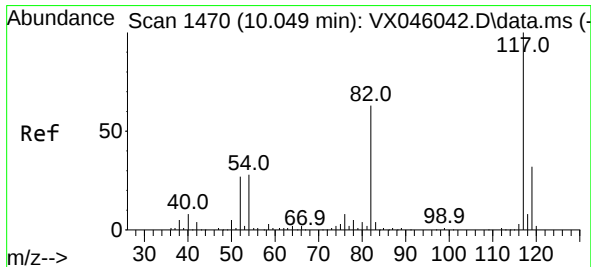
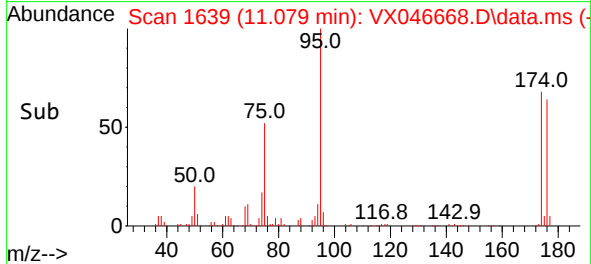
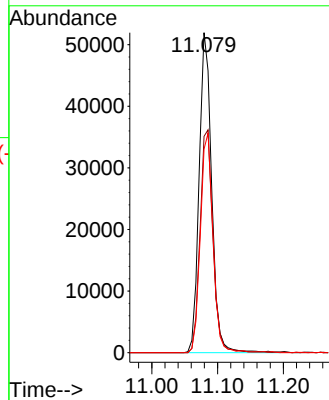
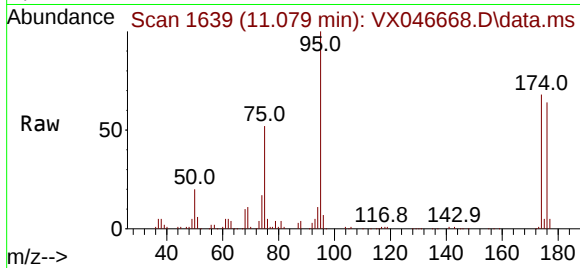




#62
4-Bromofluorobenzene
Concen: 46.075 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046668.D
Acq: 12 Jun 2025 16:55

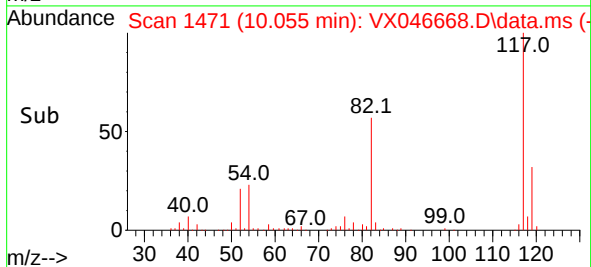
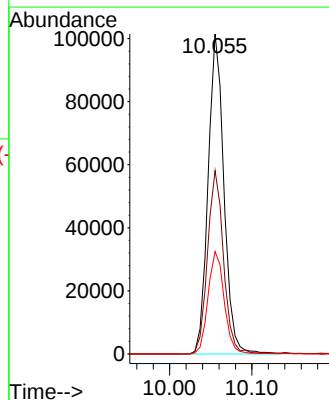
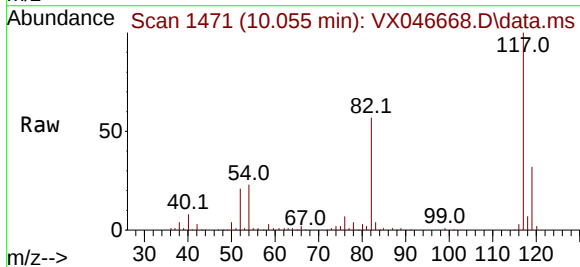
Instrument :
MSVOA_X
ClientSampleId :
TB01-060925

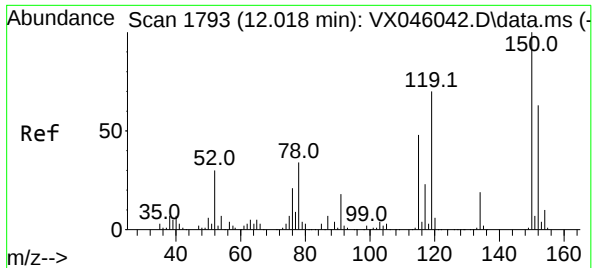
Tgt Ion: 95 Resp: 68623
Ion Ratio Lower Upper
95 100
174 71.9 0.0 135.8
176 69.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046668.D
Acq: 12 Jun 2025 16:55

Tgt Ion: 117 Resp: 135692
Ion Ratio Lower Upper
117 100
82 57.3 50.6 76.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046668.D

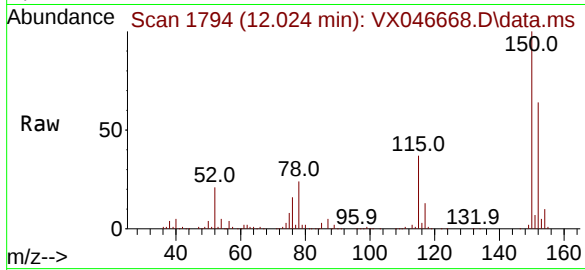
Acq: 12 Jun 2025 16:55

Instrument :

MSVOA_X

ClientSampleId :

TB01-060925



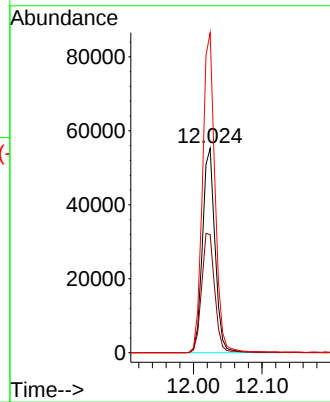
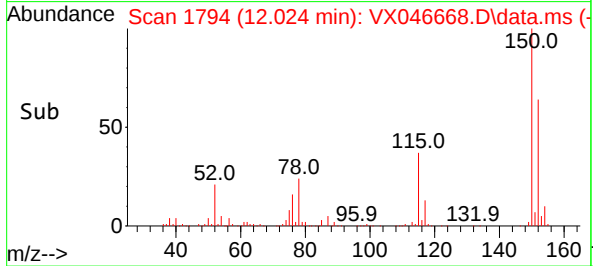
Tgt Ion:152 Resp: 70754

Ion Ratio Lower Upper

152 100

115 60.8 46.9 140.7

150 156.1 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046659.D
 Acq On : 12 Jun 2025 13:10
 Operator : JC/MD
 Sample : VX0612WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 13 01:42:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	92224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	180952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95358	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	75758	46.173	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.340%
35) Dibromofluoromethane	5.404	113	64522	48.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.980%
50) Toluene-d8	8.653	98	229993	52.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
62) 4-Bromofluorobenzene	11.079	95	99118	54.605	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.200%

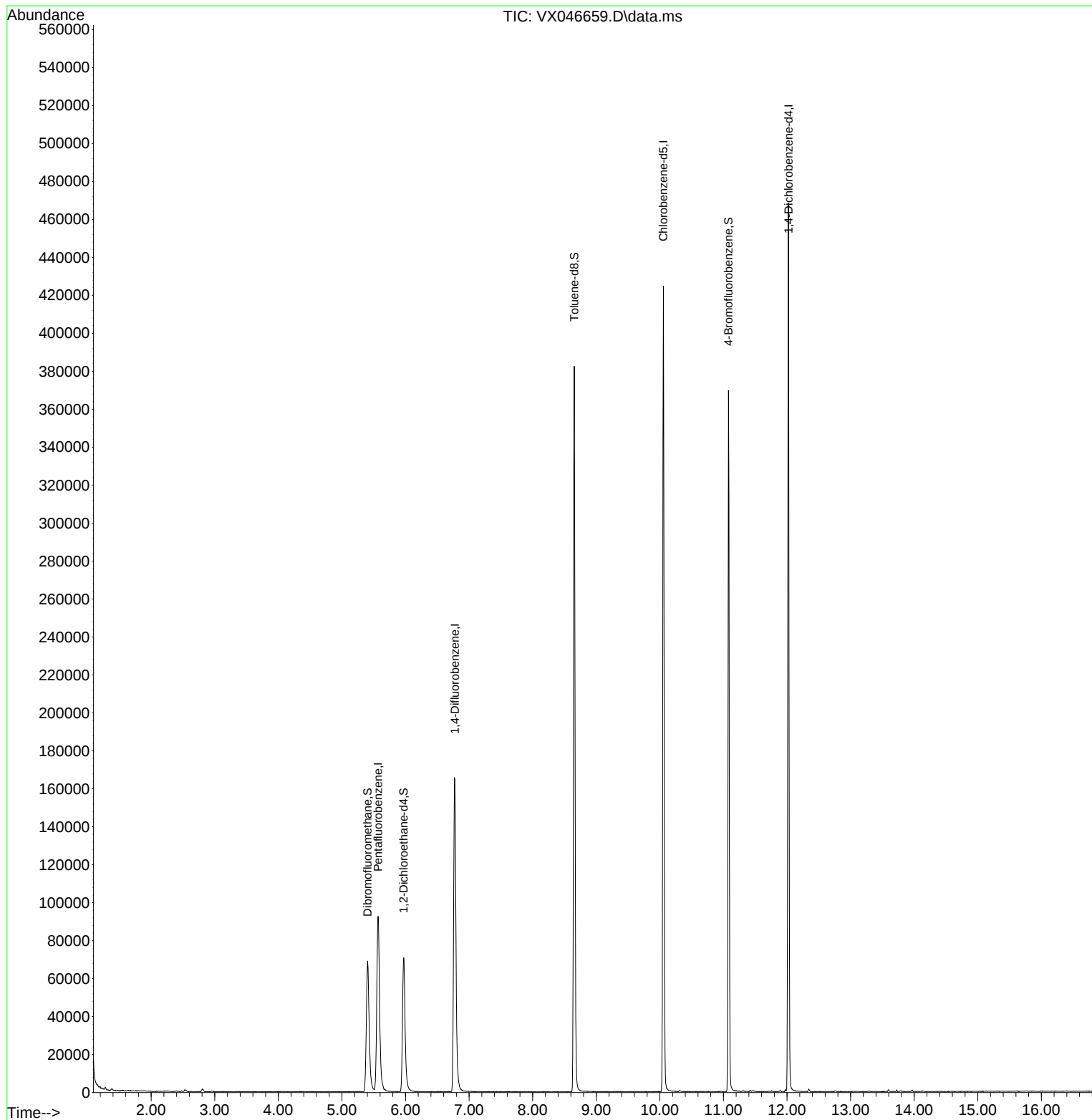
Target Compounds	Qvalue

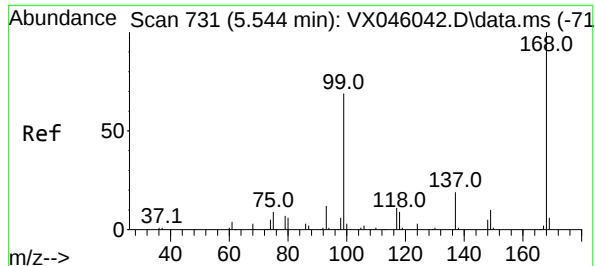
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046659.D
Acq On : 12 Jun 2025 13:10
Operator : JC/MD
Sample : VX0612WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

Quant Time: Jun 13 01:42:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

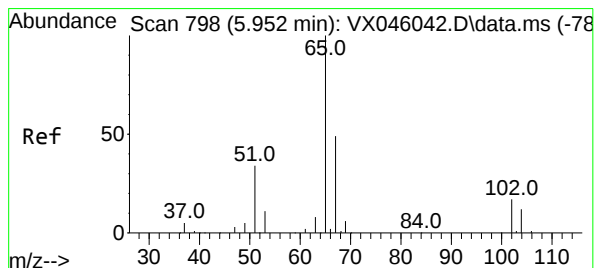
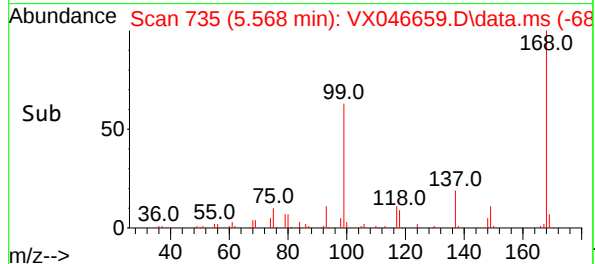
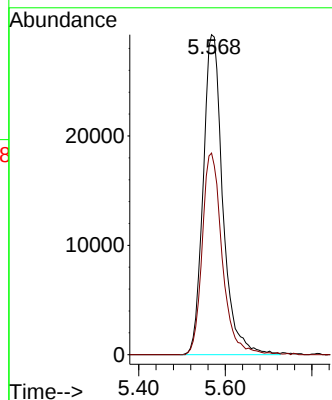
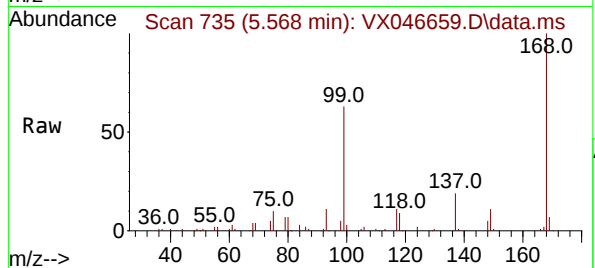




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

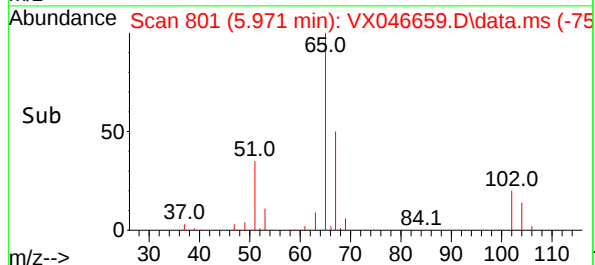
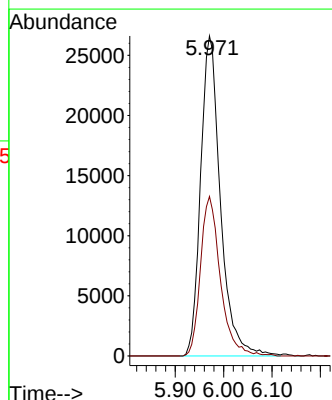
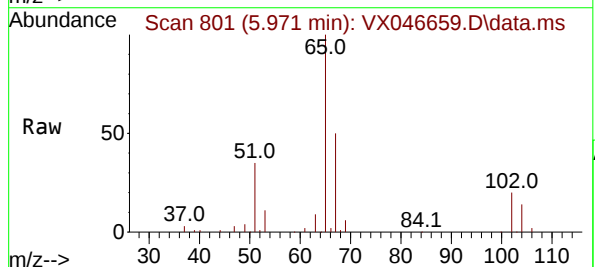
Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

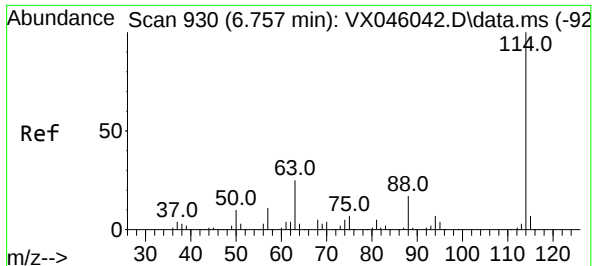
Tgt Ion:168 Resp: 92224
Ion Ratio Lower Upper
168 100
99 63.0 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 46.173 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.001 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Tgt Ion: 65 Resp: 75758
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

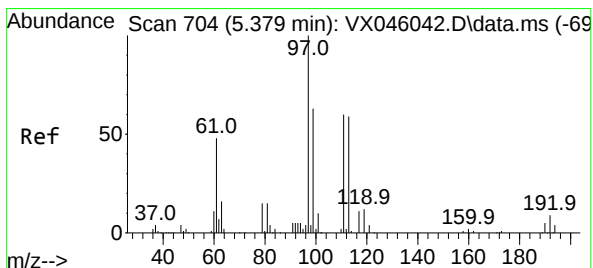
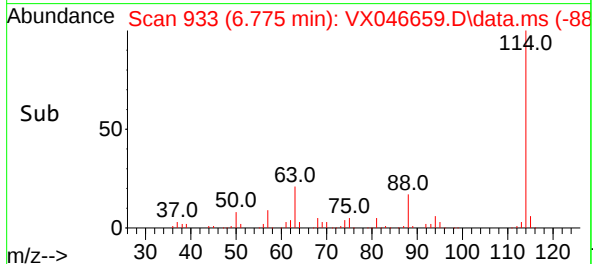
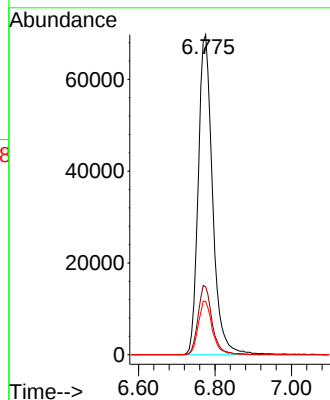
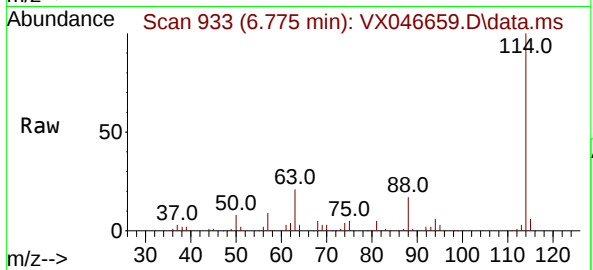




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

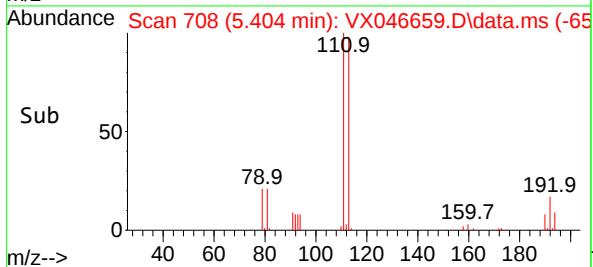
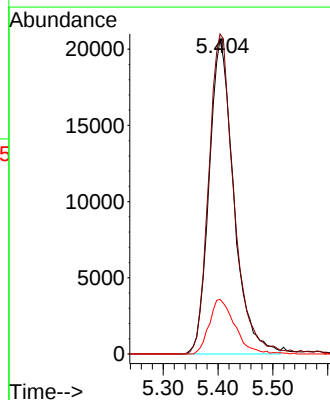
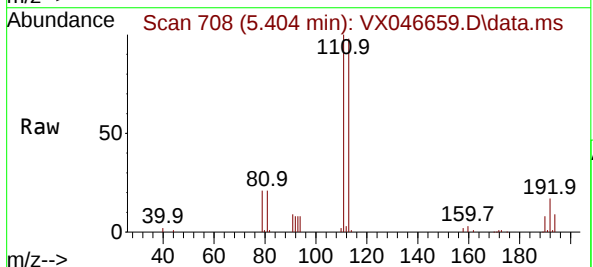
Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

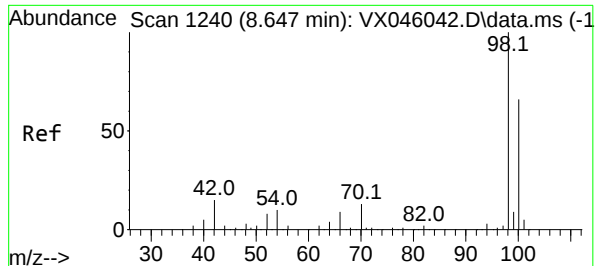
Tgt Ion:114 Resp: 180952
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.487 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.001 min
Lab File: VX046659.D
Acq: 12 Jun 2025 13:10

Tgt Ion:113 Resp: 64522
Ion Ratio Lower Upper
113 100
111 103.6 83.1 124.7
192 18.1 13.3 19.9





#50

Toluene-d8

Concen: 52.424 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046659.D

Acq: 12 Jun 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

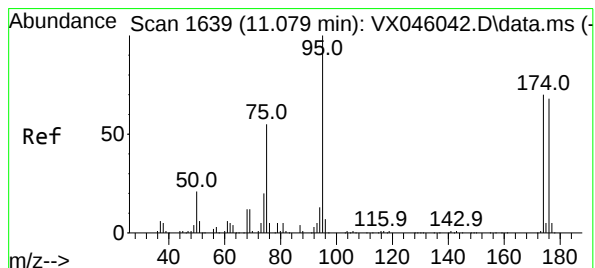
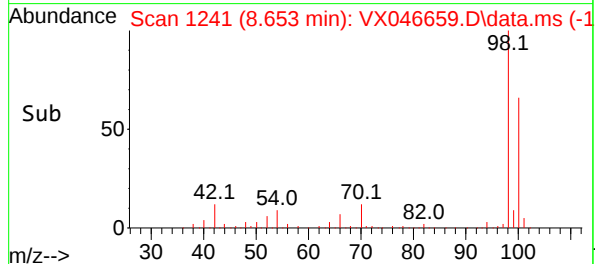
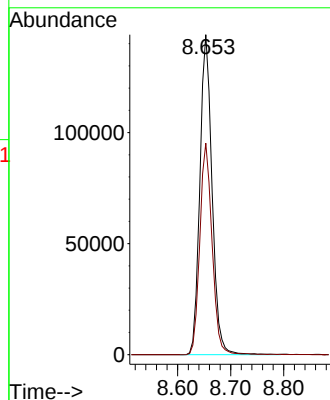
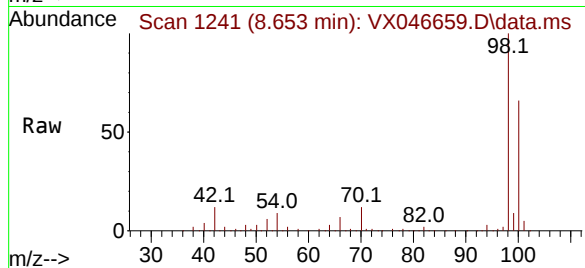
VX0612WBL01

Tgt Ion: 98 Resp: 229993

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.605 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046659.D

Acq: 12 Jun 2025 13:10

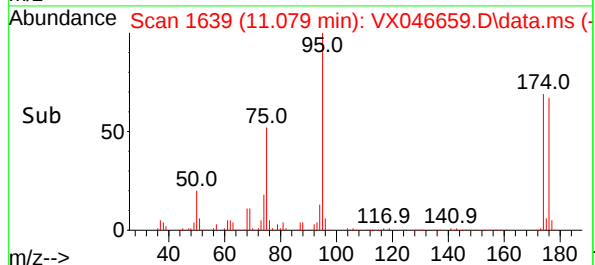
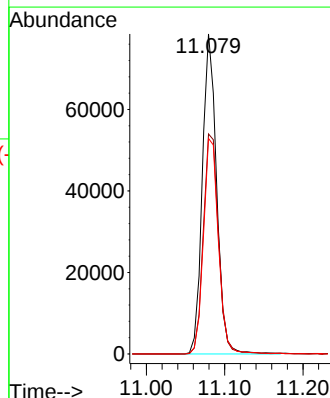
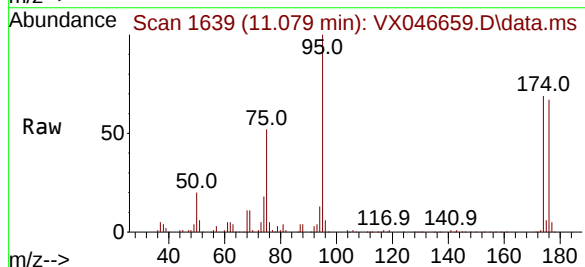
Tgt Ion: 95 Resp: 99118

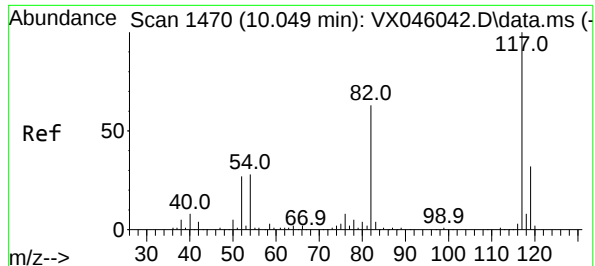
Ion Ratio Lower Upper

95 100

174 73.2 0.0 135.8

176 70.9 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046659.D

Acq: 12 Jun 2025 13:10

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBL01

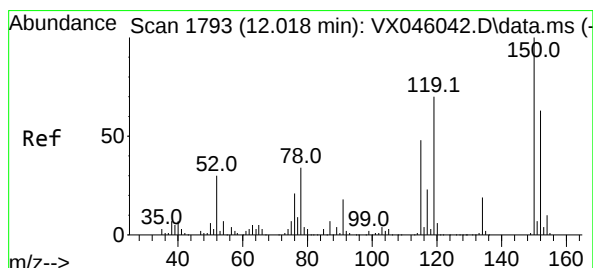
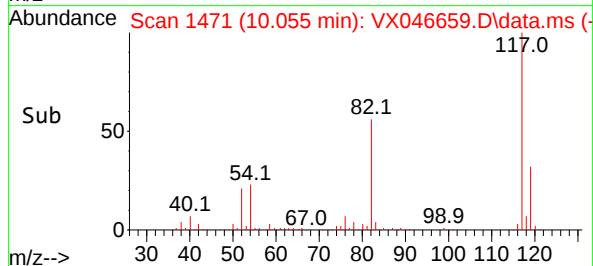
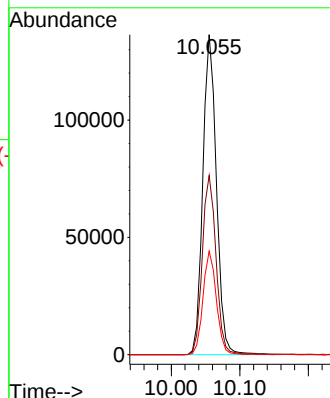
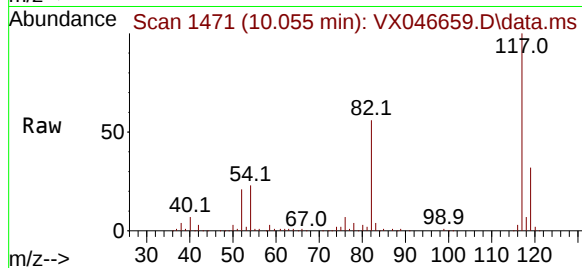
Tgt Ion:117 Resp: 188641

Ion Ratio Lower Upper

117 100

82 56.0 50.6 76.0

119 32.4 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX046659.D

Acq: 12 Jun 2025 13:10

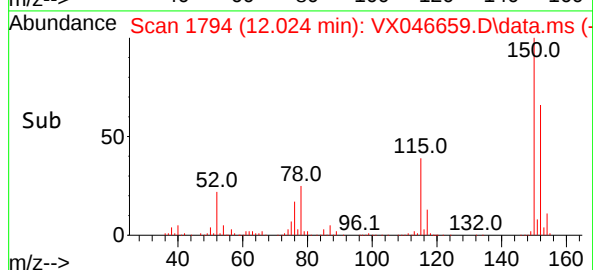
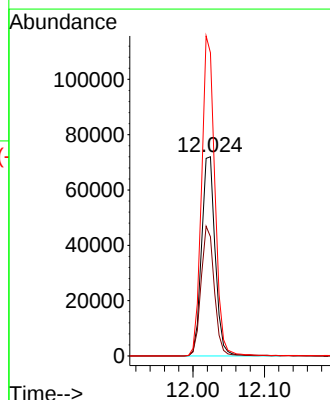
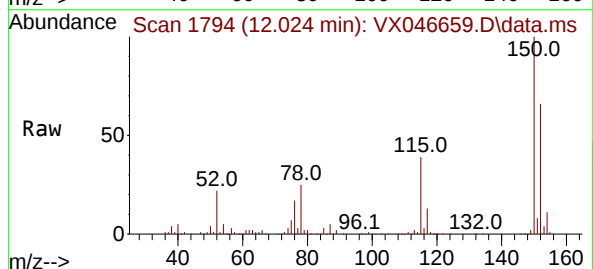
Tgt Ion:152 Resp: 95358

Ion Ratio Lower Upper

152 100

115 63.2 46.9 140.7

150 156.4 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046660.D
 Acq On : 12 Jun 2025 13:38
 Operator : JC/MD
 Sample : VX0612WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Quant Time: Jun 13 01:42:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	85578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	144622	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	63210	41.517	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.040%		
35) Dibromofluoromethane	5.397	113	51021	47.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.940%		
50) Toluene-d8	8.647	98	167446	47.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.500%		
62) 4-Bromofluorobenzene	11.079	95	69758	48.084	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	17232	14.504	ug/l	100
3) Chloromethane	1.306	50	15679	14.498	ug/l	97
4) Vinyl Chloride	1.386	62	16285	15.106	ug/l	100
5) Bromomethane	1.623	94	10482	16.017	ug/l	99
6) Chloroethane	1.703	64	10352	14.800	ug/l	95
7) Trichlorofluoromethane	1.904	101	27911	15.648	ug/l	92
8) Diethyl Ether	2.148	74	10221	16.219	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.343	101	19140	17.032	ug/l	95
10) Methyl Iodide	2.465	142	17822	14.630	ug/l	95
11) Tert butyl alcohol	2.965	59	14604	86.443	ug/l	99
12) 1,1-Dichloroethene	2.331	96	17566	17.289	ug/l	84
13) Acrolein	2.251	56	9994	73.047	ug/l	100
14) Allyl chloride	2.678	41	33622	16.850	ug/l	93
15) Acrylonitrile	3.074	53	58711	91.913	ug/l	99
16) Acetone	2.392	43	52132	90.187	ug/l	92
17) Carbon Disulfide	2.526	76	33805	15.809	ug/l	100
18) Methyl Acetate	2.715	43	35232	19.427	ug/l	95
19) Methyl tert-butyl Ether	3.129	73	66811	18.793	ug/l	98
20) Methylene Chloride	2.800	84	21926	17.951	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	18523	17.227	ug/l	97
22) Diisopropyl ether	3.769	45	72754	18.494	ug/l #	65
23) Vinyl Acetate	3.733	43	272827	89.826	ug/l	99
24) 1,1-Dichloroethane	3.623	63	38925	17.753	ug/l	99
25) 2-Butanone	4.568	43	74592	88.008	ug/l	96
26) 2,2-Dichloropropane	4.483	77	29645	18.213	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	23891	18.050	ug/l	95
28) Bromochloromethane	4.909	49	26095	24.953	ug/l	92
29) Tetrahydrofuran	5.013	42	45745	85.463	ug/l	96
30) Chloroform	5.105	83	41974	18.271	ug/l	97
31) Cyclohexane	5.476	56	29749	16.807	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	35020	17.821	ug/l	97
36) 1,1-Dichloropropene	5.702	75	25822	16.997	ug/l	97
37) Ethyl Acetate	4.727	43	29586	19.954	ug/l	99
38) Carbon Tetrachloride	5.690	117	29642	17.420	ug/l	99
39) Methylcyclohexane	7.385	83	29365	16.376	ug/l	95
40) Benzene	6.049	78	79810	18.661	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046660.D
 Acq On : 12 Jun 2025 13:38
 Operator : JC/MD
 Sample : VX0612WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBS01

Quant Time: Jun 13 01:42:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	16120	17.507	ug/l #	92
42) 1,2-Dichloroethane	6.098	62	31253	17.565	ug/l	97
43) Isopropyl Acetate	6.348	43	46852	18.125	ug/l	96
44) Trichloroethene	7.129	130	20132	18.526	ug/l	97
45) 1,2-Dichloropropane	7.433	63	21411	19.396	ug/l	96
46) Dibromomethane	7.586	93	15723	18.933	ug/l	94
47) Bromodichloromethane	7.824	83	33506	19.622	ug/l	98
48) Methyl methacrylate	7.696	41	24360	18.316	ug/l	92
49) 1,4-Dioxane	7.659	88	6794	382.003	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	158516	96.503	ug/l	97
52) Toluene	8.720	92	52013	19.796	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	29385	19.193	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	32617	19.161	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	21748	20.618	ug/l	99
56) Ethyl methacrylate	9.116	69	32307	19.903	ug/l	92
57) 1,3-Dichloropropane	9.311	76	35837	19.225	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	87671	99.160	ug/l	97
59) 2-Hexanone	9.433	43	113348	96.217	ug/l	95
60) Dibromochloromethane	9.518	129	25395	20.468	ug/l	98
61) 1,2-Dibromoethane	9.610	107	21756	19.793	ug/l	98
64) Tetrachloroethene	9.275	164	16534	18.916	ug/l	98
65) Chlorobenzene	10.079	112	59264	19.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	21995	21.172	ug/l	98
67) Ethyl Benzene	10.195	91	99830	18.601	ug/l	97
68) m/p-Xylenes	10.299	106	77489	39.802	ug/l	94
69) o-Xylene	10.640	106	37114	19.709	ug/l	98
70) Styrene	10.652	104	66406	20.601	ug/l	96
71) Bromoform	10.799	173	16330	20.616	ug/l #	99
73) Isopropylbenzene	10.963	105	101339	18.679	ug/l	99
74) N-amyl acetate	10.841	43	42555	17.811	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	33322	19.188	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	26882m	18.389	ug/l	
77) Bromobenzene	11.195	156	24285	19.285	ug/l	93
78) n-propylbenzene	11.305	91	118689	18.075	ug/l	98
79) 2-Chlorotoluene	11.366	91	72123	18.214	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	85488	18.909	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	9208	18.170	ug/l	91
82) 4-Chlorotoluene	11.451	91	86099	18.344	ug/l	97
83) tert-Butylbenzene	11.713	119	84512	18.363	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	85107	18.609	ug/l	98
85) sec-Butylbenzene	11.890	105	106791	18.059	ug/l	99
86) p-Isopropyltoluene	12.006	119	92930	18.850	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	47662	19.491	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	48120	18.991	ug/l	99
89) n-Butylbenzene	12.329	91	85715	17.705	ug/l	99
90) Hexachloroethane	12.536	117	15279	17.437	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	45679	19.352	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6541	16.820	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	31308	19.444	ug/l	97
94) Hexachlorobutadiene	13.725	225	13715	18.328	ug/l	99
95) Naphthalene	13.774	128	101037	19.787	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30574	18.936	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046660.D
Acq On : 12 Jun 2025 13:38
Operator : JC/MD
Sample : VX0612WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 01:42:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

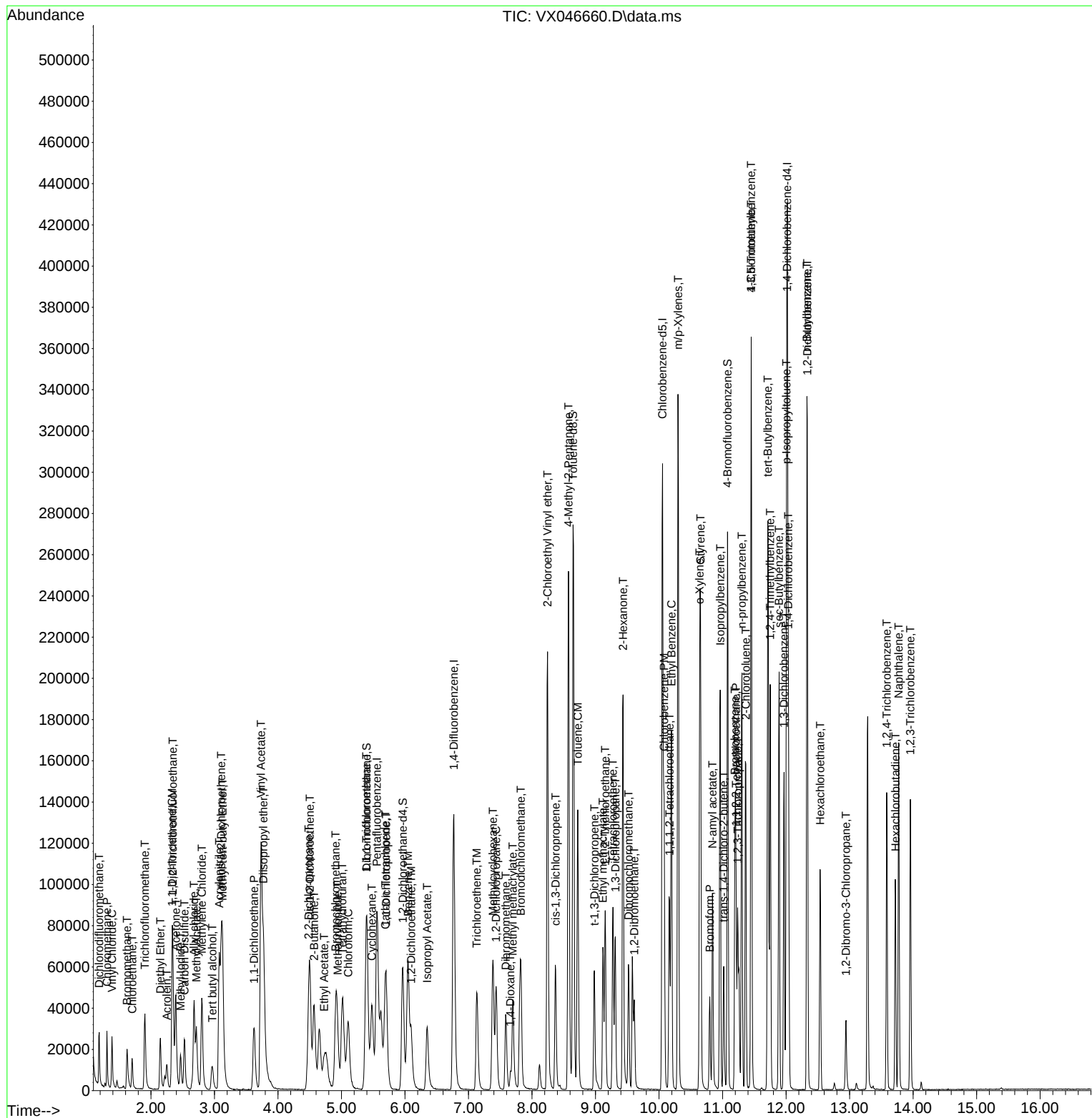
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046662.D
 Acq On : 12 Jun 2025 14:26
 Operator : JC/MD
 Sample : VX0612WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Quant Time: Jun 13 01:43:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	77335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	133427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	61672	44.824	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.640%		
35) Dibromofluoromethane	5.409	113	48780	49.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.420%		
50) Toluene-d8	8.653	98	156263	48.305	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.600%		
62) 4-Bromofluorobenzene	11.079	95	67540	50.462	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	15159	14.119	ug/l	96
3) Chloromethane	1.307	50	14237	14.568	ug/l	97
4) Vinyl Chloride	1.386	62	14877	15.271	ug/l	96
5) Bromomethane	1.624	94	10127	17.124	ug/l	98
6) Chloroethane	1.709	64	10193	16.126	ug/l	96
7) Trichlorofluoromethane	1.904	101	25875	16.053	ug/l	97
8) Diethyl Ether	2.148	74	9926	17.429	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.349	101	17146	16.884	ug/l	94
10) Methyl Iodide	2.471	142	16573	15.055	ug/l	97
11) Tert butyl alcohol	2.971	59	15766	103.268	ug/l	99
12) 1,1-Dichloroethene	2.337	96	15836	17.248	ug/l	90
13) Acrolein	2.252	56	10925	82.071	ug/l	97
14) Allyl chloride	2.684	41	31675	17.566	ug/l	92
15) Acrylonitrile	3.081	53	62440	108.170	ug/l	99
16) Acetone	2.398	43	52285	99.588	ug/l	95
17) Carbon Disulfide	2.532	76	30557	15.813	ug/l	99
18) Methyl Acetate	2.721	43	37422	22.834	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	65699	20.450	ug/l	99
20) Methylene Chloride	2.806	84	20169	18.272	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	16904	17.397	ug/l	96
22) Diisopropyl ether	3.782	45	69021	19.415	ug/l #	77
23) Vinyl Acetate	3.739	43	275263	100.288	ug/l	98
24) 1,1-Dichloroethane	3.629	63	36498	18.421	ug/l	98
25) 2-Butanone	4.574	43	81745	106.728	ug/l	96
26) 2,2-Dichloropropane	4.501	77	26479	18.002	ug/l	99
27) cis-1,2-Dichloroethene	4.513	96	22731	19.004	ug/l	94
28) Bromochloromethane	4.916	49	24813	26.256	ug/l	94
29) Tetrahydrofuran	5.025	42	51560	106.594	ug/l	97
30) Chloroform	5.117	83	40022	19.278	ug/l	98
31) Cyclohexane	5.489	56	26131	16.337	ug/l	98
32) 1,1,1-Trichloroethane	5.403	97	32623	18.370	ug/l	96
36) 1,1-Dichloropropene	5.708	75	23651	16.874	ug/l	97
37) Ethyl Acetate	4.739	43	31194m	22.803	ug/l	
38) Carbon Tetrachloride	5.696	117	27030	17.218	ug/l	95
39) Methylcyclohexane	7.391	83	27000	16.321	ug/l	96
40) Benzene	6.056	78	75001	19.008	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046662.D
 Acq On : 12 Jun 2025 14:26
 Operator : JC/MD
 Sample : VX0612WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/13/2025
 Supervised By :Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 01:43:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	17391	20.473	ug/l	92
42) 1,2-Dichloroethane	6.104	62	31275	19.052	ug/l	97
43) Isopropyl Acetate	6.354	43	48318	20.261	ug/l	98
44) Trichloroethene	7.135	130	18936	18.888	ug/l	99
45) 1,2-Dichloropropane	7.446	63	20974	20.594	ug/l	99
46) Dibromomethane	7.586	93	15538	20.280	ug/l	97
47) Bromodichloromethane	7.830	83	31910	20.255	ug/l	100
48) Methyl methacrylate	7.702	41	24860	20.261	ug/l	93
49) 1,4-Dioxane	7.671	88	7152	435.873	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	169429	111.801	ug/l	98
52) Toluene	8.726	92	47973	19.790	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	28068	19.871	ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	31374	19.977	ug/l #	86
55) 1,1,2-Trichloroethane	9.159	97	21487	22.080	ug/l	97
56) Ethyl methacrylate	9.122	69	33081	22.090	ug/l	91
57) 1,3-Dichloropropane	9.311	76	34906	20.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	88144	108.060	ug/l	97
59) 2-Hexanone	9.433	43	122560	112.765	ug/l	95
60) Dibromochloromethane	9.525	129	24681	21.562	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21425	21.128	ug/l	98
64) Tetrachloroethene	9.275	164	15466	18.523	ug/l	92
65) Chlorobenzene	10.079	112	55650	18.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	20124	20.279	ug/l	98
67) Ethyl Benzene	10.195	91	93152	18.170	ug/l	99
68) m/p-Xylenes	10.305	106	71271	38.324	ug/l	95
69) o-Xylene	10.640	106	34941	19.425	ug/l	97
70) Styrene	10.659	104	62281	20.227	ug/l	96
71) Bromoform	10.799	173	16530	21.846	ug/l #	100
73) Isopropylbenzene	10.963	105	94452	18.374	ug/l	99
74) N-amyl acetate	10.841	43	43589	19.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34369	20.888	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27152m	19.603	ug/l	
77) Bromobenzene	11.201	156	23326	19.550	ug/l	93
78) n-propylbenzene	11.305	91	111370	17.900	ug/l	98
79) 2-Chlorotoluene	11.366	91	67642	18.028	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	79297	18.512	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	9232	19.227	ug/l	93
82) 4-Chlorotoluene	11.457	91	80597	18.123	ug/l	95
83) tert-Butylbenzene	11.713	119	83097	19.056	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	80595	18.598	ug/l	99
85) sec-Butylbenzene	11.890	105	102518	18.297	ug/l	100
86) p-Isopropyltoluene	12.012	119	86541	18.527	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	44009	18.994	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	44978	18.734	ug/l	98
89) n-Butylbenzene	12.329	91	81561	17.780	ug/l	99
90) Hexachloroethane	12.536	117	14475	17.435	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	44738	20.004	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7269	19.728	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	28666	18.789	ug/l	98
94) Hexachlorobutadiene	13.725	225	12471	17.589	ug/l	99
95) Naphthalene	13.774	128	100632	20.800	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	29289	19.145	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
Data File : VX046662.D
Acq On : 12 Jun 2025 14:26
Operator : JC/MD
Sample : VX0612WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 01:43:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025

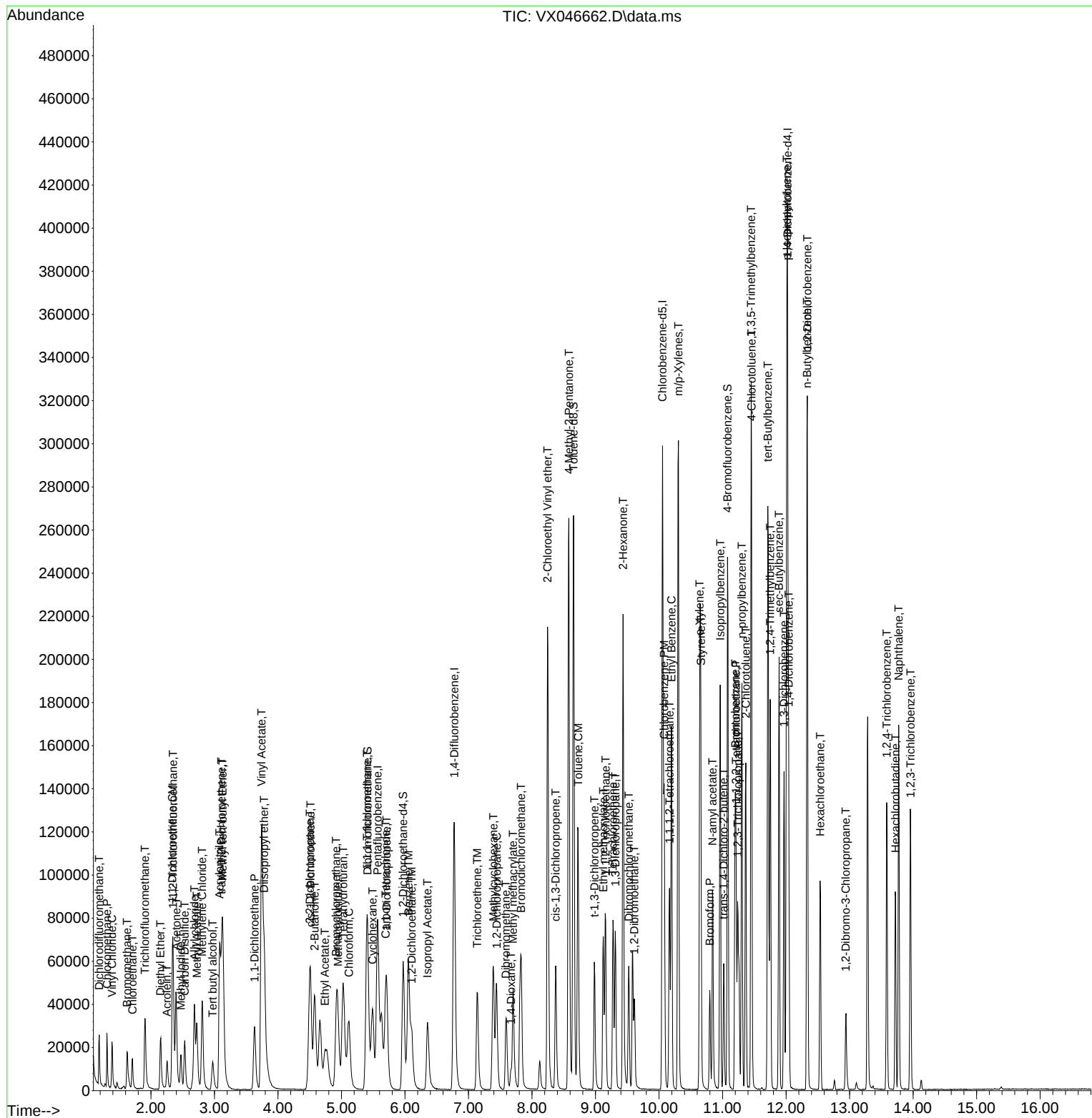
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0612WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/13/2025
Supervised By :Mahesh Dadoda 06/13/2025



Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VX046518.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:36 PM	MMDadoda	6/9/2025 1:14:56 PM	Peak Integrated by Software
VSTDIC020	VX046519.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:40 PM	MMDadoda	6/9/2025 1:14:59 PM	Peak Integrated by Software
VSTDIC050	VX046520.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:44 PM	MMDadoda	6/9/2025 1:15:03 PM	Peak Integrated by Software
VSTDIC100	VX046521.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:48 PM	MMDadoda	6/9/2025 1:15:08 PM	Peak Integrated by Software
VSTDIC150	VX046522.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:52 PM	MMDadoda	6/9/2025 1:15:37 PM	Peak Integrated by Software
VSTDIC001	VX046524.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDIC001	VX046524.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDIC001	VX046524.D	Ethyl Acetate	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICV050	VX046525.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:26:01 PM	MMDadoda	6/9/2025 1:16:01 PM	Peak Integrated by Software
VSTDCCC050	VX046544.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:18 AM	MMDadoda	6/9/2025 1:16:52 PM	Peak Integrated by Software
VSTDCCC050	VX046546.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:22 AM	MMDadoda	6/9/2025 1:16:54 PM	Peak Integrated by Software
VSTDCCC050	VX046565.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:12:06 AM	Sam	6/9/2025 1:18:52 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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A

C

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J

Manual Integration Report

Sequence:	vx061225	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046657.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:14 AM	MMDadoda	6/13/2025 10:58:05 AM	Peak Integrated by Software
VX0612WBS01	VX046660.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:18 AM	MMDadoda	6/13/2025 10:58:06 AM	Peak Integrated by Software
VX0612WBSD0 1	VX046662.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:22 AM	MMDadoda	6/13/2025 10:58:07 AM	Peak Integrated by Software
VX0612WBSD0 1	VX046662.D	Ethyl Acetate	JOHN	6/13/2025 10:02:22 AM	MMDadoda	6/13/2025 10:58:07 AM	Peak Integrated by Software
VSTDCCC050	VX046673.D	1,2,3-Trichloropropane	JOHN	6/13/2025 10:02:43 AM	MMDadoda	6/13/2025 10:58:16 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046516.D	06 Jun 2025 08:47	JC/MD	Ok
2	VSTDIC001	VX046517.D	06 Jun 2025 09:13	JC/MD	Not Ok
3	VSTDIC005	VX046518.D	06 Jun 2025 09:42	JC/MD	Ok,M
4	VSTDIC020	VX046519.D	06 Jun 2025 10:18	JC/MD	Ok,M
5	VSTDIC050	VX046520.D	06 Jun 2025 10:40	JC/MD	Ok,M
6	VSTDIC100	VX046521.D	06 Jun 2025 11:02	JC/MD	Ok,M
7	VSTDIC150	VX046522.D	06 Jun 2025 11:25	JC/MD	Ok,M
8	IBLK	VX046523.D	06 Jun 2025 11:47	JC/MD	Ok
9	VSTDIC001	VX046524.D	06 Jun 2025 12:57	JC/MD	Ok,M
10	VSTDICV050	VX046525.D	06 Jun 2025 14:11	JC/MD	Ok,M
11	VX0606MBL01	VX046526.D	06 Jun 2025 14:39	JC/MD	Ok
12	VX0606WBL01	VX046527.D	06 Jun 2025 15:02	JC/MD	Ok
13	VX0606WBS01	VX046528.D	06 Jun 2025 15:25	JC/MD	Ok,M
14	VX0606MBS01	VX046529.D	06 Jun 2025 15:51	JC/MD	Ok,M
15	Q2168-11MEDL	VX046530.D	06 Jun 2025 16:13	JC/MD	Ok
16	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36	JC/MD	Ok,M
17	Q2194-02	VX046532.D	06 Jun 2025 16:58	JC/MD	Ok
18	Q2194-04	VX046533.D	06 Jun 2025 17:21	JC/MD	Ok
19	Q2207-09	VX046534.D	06 Jun 2025 17:43	JC/MD	Ok,M
20	Q2207-18	VX046535.D	06 Jun 2025 18:06	JC/MD	Ok,M
21	Q2207-27	VX046536.D	06 Jun 2025 18:28	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2207-36	VX046537.D	06 Jun 2025 18:51	JC/MD	Ok,M
23	Q2207-45	VX046538.D	06 Jun 2025 19:13	JC/MD	Ok,M
24	Q2208-09	VX046539.D	06 Jun 2025 19:35	JC/MD	Ok,M
25	Q2208-18	VX046540.D	06 Jun 2025 19:58	JC/MD	Ok,M
26	Q2208-27	VX046541.D	06 Jun 2025 20:20	JC/MD	Ok,M
27	Q2208-36	VX046542.D	06 Jun 2025 20:42	JC/MD	Ok,M
28	Q2236-01	VX046543.D	06 Jun 2025 21:04	JC/MD	Not Ok
29	VSTDCCC050	VX046544.D	06 Jun 2025 21:26	JC/MD	Not Ok
30	BFB	VX046545.D	06 Jun 2025 23:59	JC/MD	Ok
31	VSTDCCC050	VX046546.D	07 Jun 2025 00:34	JC/MD	Ok,M
32	VX0606WBL02	VX046547.D	07 Jun 2025 01:17	JC/MD	Ok
33	VX0606WBS02	VX046548.D	07 Jun 2025 02:00	JC/MD	Ok,M
34	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22	JC/MD	Ok,M
35	PB168312TB	VX046550.D	07 Jun 2025 02:43	JC/MD	Ok,M
36	PB168272TB	VX046551.D	07 Jun 2025 03:05	JC/MD	Ok,M
37	Q2236-05	VX046552.D	07 Jun 2025 03:26	JC/MD	ReRun
38	Q2236-09	VX046553.D	07 Jun 2025 03:48	JC/MD	ReRun
39	Q2236-13	VX046554.D	07 Jun 2025 04:09	JC/MD	Ok
40	Q2236-17	VX046555.D	07 Jun 2025 04:31	JC/MD	ReRun
41	Q2227-04	VX046556.D	07 Jun 2025 04:52	JC/MD	Ok,M
42	Q2228-04	VX046557.D	07 Jun 2025 05:14	JC/MD	ReRun
43	Q2235-01	VX046558.D	07 Jun 2025 05:36	JC/MD	ReRun
44	Q2240-04	VX046559.D	07 Jun 2025 05:57	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q2240-08	VX046560.D	07 Jun 2025 06:18	JC/MD	ReRun
46	Q2240-12	VX046561.D	07 Jun 2025 06:40	JC/MD	ReRun
47	Q2241-04	VX046562.D	07 Jun 2025 07:01	JC/MD	ReRun
48	Q2241-08	VX046563.D	07 Jun 2025 07:23	JC/MD	ReRun
49	Q2226-04	VX046564.D	07 Jun 2025 07:44	JC/MD	ReRun
50	VSTDCCC050	VX046565.D	07 Jun 2025 08:06	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061225

Review By	John Carlone	Review On	6/13/2025 10:05:11 AM
Supervise By	Maresh Dadoda	Supervise On	6/13/2025 10:58:22 AM
SubDirectory	VX061225	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134305		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134306,VP134307		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046656.D	12 Jun 2025 09:44	JC/MD	Ok
2	VSTDCCC050	VX046657.D	12 Jun 2025 10:11	JC/MD	Ok,M
3	VX0612MBL01	VX046658.D	12 Jun 2025 12:48	JC/MD	Ok
4	VX0612WBL01	VX046659.D	12 Jun 2025 13:10	JC/MD	Ok
5	VX0612WBS01	VX046660.D	12 Jun 2025 13:38	JC/MD	Ok,M
6	Q2249-01RE	VX046661.D	12 Jun 2025 14:04	JC/MD	Confirms
7	VX0612WBSD01	VX046662.D	12 Jun 2025 14:26	JC/MD	Ok,M
8	Q2249-01	VX046663.D	12 Jun 2025 14:53	JC/MD	Not Ok
9	Q2249-01	VX046664.D	12 Jun 2025 15:24	JC/MD	Not Ok
10	Q2275-01	VX046665.D	12 Jun 2025 15:46	JC/MD	Ok
11	Q2275-05	VX046666.D	12 Jun 2025 16:10	JC/MD	ReRun
12	Q2275-03	VX046667.D	12 Jun 2025 16:32	JC/MD	Ok
13	Q2275-05	VX046668.D	12 Jun 2025 16:55	JC/MD	Ok
14	Q2267-01	VX046669.D	12 Jun 2025 17:17	JC/MD	Ok,M
15	Q2278-04	VX046670.D	12 Jun 2025 17:40	JC/MD	Ok,M
16	Q2285-05	VX046671.D	12 Jun 2025 18:02	JC/MD	Ok,M
17	PB168448TB	VX046672.D	12 Jun 2025 18:24	JC/MD	Ok,M
18	VSTDCCC050	VX046673.D	12 Jun 2025 18:47	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046516.D	06 Jun 2025 08:47		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046517.D	06 Jun 2025 09:13		JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046518.D	06 Jun 2025 09:42	for TCLP	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046519.D	06 Jun 2025 10:18	Comp #05 fail	JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046520.D	06 Jun 2025 10:40	LR-13,16,17	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046521.D	06 Jun 2025 11:02		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046522.D	06 Jun 2025 11:25		JC/MD	Ok,M
8	IBLK	IBLK	VX046523.D	06 Jun 2025 11:47		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX046524.D	06 Jun 2025 12:57		JC/MD	Ok,M
10	VSTDICV050	ICV VX060625	VX046525.D	06 Jun 2025 14:11		JC/MD	Ok,M
11	VX0606MBL01	VX0606MBL01	VX046526.D	06 Jun 2025 14:39		JC/MD	Ok
12	VX0606WBL01	VX0606WBL01	VX046527.D	06 Jun 2025 15:02		JC/MD	Ok
13	VX0606WBS01	VX0606WBS01	VX046528.D	06 Jun 2025 15:25		JC/MD	Ok,M
14	VX0606MBS01	VX0606MBS01	VX046529.D	06 Jun 2025 15:51		JC/MD	Ok,M
15	Q2168-11MEDL	C2MEDL	VX046530.D	06 Jun 2025 16:13		JC/MD	Ok
16	VX0606WBSD01	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36		JC/MD	Ok,M
17	Q2194-02	COMP-12	VX046532.D	06 Jun 2025 16:58	vial A pH#5.0	JC/MD	Ok
18	Q2194-04	COMP-13	VX046533.D	06 Jun 2025 17:21	vial A pH#5.0	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2207-09	BU-703-COMP-01	VX046534.D	06 Jun 2025 17:43	vial A pH#5.0	JC/MD	Ok,M
20	Q2207-18	BU-703-COMP-02	VX046535.D	06 Jun 2025 18:06	vial A pH#5.0	JC/MD	Ok,M
21	Q2207-27	BU-703-COMP-03	VX046536.D	06 Jun 2025 18:28	vial A pH#5.0	JC/MD	Ok,M
22	Q2207-36	BU-703-COMP-04	VX046537.D	06 Jun 2025 18:51	vial A pH#5.0	JC/MD	Ok,M
23	Q2207-45	BU-703-COMP-05	VX046538.D	06 Jun 2025 19:13	vial A pH#5.0	JC/MD	Ok,M
24	Q2208-09	BU-703-COMP-06	VX046539.D	06 Jun 2025 19:35	vial A pH#5.0	JC/MD	Ok,M
25	Q2208-18	BU-703-COMP-07	VX046540.D	06 Jun 2025 19:58	vial A pH#5.0	JC/MD	Ok,M
26	Q2208-27	BU-703-COMP-08	VX046541.D	06 Jun 2025 20:20	vial A pH#5.0	JC/MD	Ok,M
27	Q2208-36	BU-703-COMP-09	VX046542.D	06 Jun 2025 20:42	vial A pH#5.0	JC/MD	Ok,M
28	Q2236-01	WC-A4-05A-G	VX046543.D	06 Jun 2025 21:04	vial A pH#5.0 Out of tune	JC/MD	Not Ok
29	VSTDCCC050	VSTDCCC050EC	VX046544.D	06 Jun 2025 21:26	Out of tune	JC/MD	Not Ok
30	BFB	BFB	VX046545.D	06 Jun 2025 23:59		JC/MD	Ok
31	VSTDCCC050	VSTDCCC050	VX046546.D	07 Jun 2025 00:34		JC/MD	Ok,M
32	VX0606WBL02	VX0606WBL02	VX046547.D	07 Jun 2025 01:17		JC/MD	Ok
33	VX0606WBS02	VX0606WBS02	VX046548.D	07 Jun 2025 02:00		JC/MD	Ok,M
34	VX0606WBSD02	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22		JC/MD	Ok,M
35	PB168312TB	PB168312TB	VX046550.D	07 Jun 2025 02:43		JC/MD	Ok,M
36	PB168272TB	PB168272TB	VX046551.D	07 Jun 2025 03:05		JC/MD	Ok,M
37	Q2236-05	WC-A2-04-G	VX046552.D	07 Jun 2025 03:26	Surrogate Fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX060625

Review By	Maresh Dadoda	Review On	6/9/2025 1:15:21 PM
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM
SubDirectory	VX060625	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134153		
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240		
CCC	VP134154		
Internal Standard/PEM			
ICV/I.BLK	VP134241		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q2236-09	WC-A2-05-G	VX046553.D	07 Jun 2025 03:48	Internal Standard Fail	JC/MD	ReRun
39	Q2236-13	WC-A2-06-G	VX046554.D	07 Jun 2025 04:09	vial A pH#5.0	JC/MD	Ok
40	Q2236-17	WC-A2-07-G	VX046555.D	07 Jun 2025 04:31	Internal Standard Fail; Surrogate fail	JC/MD	ReRun
41	Q2227-04	TP07-MHH-WC	VX046556.D	07 Jun 2025 04:52		JC/MD	Ok,M
42	Q2228-04	TP08-MHI-WC	VX046557.D	07 Jun 2025 05:14	Internal Standard Fail	JC/MD	ReRun
43	Q2235-01	WC-A2-08-G	VX046558.D	07 Jun 2025 05:36	Internal Standard Fail	JC/MD	ReRun
44	Q2240-04	TP-3	VX046559.D	07 Jun 2025 05:57	Internal Standard Fail	JC/MD	ReRun
45	Q2240-08	TP-2	VX046560.D	07 Jun 2025 06:18	Internal Standard Fail	JC/MD	ReRun
46	Q2240-12	TP-1	VX046561.D	07 Jun 2025 06:40	Internal Standard Fail	JC/MD	ReRun
47	Q2241-04	TP-N	VX046562.D	07 Jun 2025 07:01	Internal Standard Fail	JC/MD	ReRun
48	Q2241-08	TP-S	VX046563.D	07 Jun 2025 07:23	Internal Standard Fail	JC/MD	ReRun
49	Q2226-04	TP06-MHI-WC	VX046564.D	07 Jun 2025 07:44	Internal Standard Fail	JC/MD	ReRun
50	VSTDCCC050	VSTDCCC050EC	VX046565.D	07 Jun 2025 08:06		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061225

Review By	John Carlone	Review On	6/13/2025 10:05:11 AM
Supervise By	Maresh Dadoda	Supervise On	6/13/2025 10:58:22 AM
SubDirectory	VX061225	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134305		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134306,VP134307		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046656.D	12 Jun 2025 09:44		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046657.D	12 Jun 2025 10:11		JC/MD	Ok,M
3	VX0612MBL01	VX0612MBL01	VX046658.D	12 Jun 2025 12:48		JC/MD	Ok
4	VX0612WBL01	VX0612WBL01	VX046659.D	12 Jun 2025 13:10		JC/MD	Ok
5	VX0612WBS01	VX0612WBS01	VX046660.D	12 Jun 2025 13:38		JC/MD	Ok,M
6	Q2249-01RE	MW-06-6.5-060525RE	VX046661.D	12 Jun 2025 14:04	vial B pH<2 ISTD Fail	JC/MD	Confirms
7	VX0612WBSD01	VX0612WBSD01	VX046662.D	12 Jun 2025 14:26		JC/MD	Ok,M
8	Q2249-01	MW-06-6.5-060525	VX046663.D	12 Jun 2025 14:53	Not req	JC/MD	Not Ok
9	Q2249-01	MW-06-6.5-060525	VX046664.D	12 Jun 2025 15:24	Not req	JC/MD	Not Ok
10	Q2275-01	OW-08B-72.5-060925	VX046665.D	12 Jun 2025 15:46	vial A pH<2	JC/MD	Ok
11	Q2275-05	TB01-060925	VX046666.D	12 Jun 2025 16:10	vial A pH<2 TB; Surrogate Fail	JC/MD	ReRun
12	Q2275-03	EB01-060925	VX046667.D	12 Jun 2025 16:32	vial A pH<2 EB	JC/MD	Ok
13	Q2275-05	TB01-060925	VX046668.D	12 Jun 2025 16:55	vial B pH<2 TB	JC/MD	Ok
14	Q2267-01	WC-20250605	VX046669.D	12 Jun 2025 17:17	vial A pH#5.0	JC/MD	Ok,M
15	Q2278-04	TP-2	VX046670.D	12 Jun 2025 17:40	vial B pH#5.0	JC/MD	Ok,M
16	Q2285-05	HAM-CONCRETE	VX046671.D	12 Jun 2025 18:02	vial B pH#5.0	JC/MD	Ok,M
17	PB168448TB	PB168448TB	VX046672.D	12 Jun 2025 18:24		JC/MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VX046673.D	12 Jun 2025 18:47		JC/MD	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061225

Review By	John Carlone	Review On	6/13/2025 10:05:11 AM
Supervise By	Mahesh Dadoda	Supervise On	6/13/2025 10:58:22 AM
SubDirectory	VX061225	HP Acquire Method	HP Processing Method 82X060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134305		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134306,VP134307		

M : Manual Integration

A
B
C
D
E
F
G
H
I
J

LAB CHRONICLE

OrderID:	Q2275	OrderDate:	6/10/2025 11:03:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2275-01	OW-08B-72.5-060925	Water	VOCMS Group3	8260-Low	06/08/25		06/12/25	06/10/25
Q2275-03	EB01-060925	Water	VOCMS Group3	8260-Low	06/08/25		06/12/25	06/10/25
Q2275-05	TB01-060925	Water	VOCMS Group3	8260-Low	06/08/25		06/12/25	06/10/25



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

Hit Summary Sheet
SFAM_VOCSIM

SDG No.: Q2275
Client: JACOBS Engineering Group, Inc.

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

Total Voc :
Total Concentration:

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



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	OW-08B-72.5-060925-SIM	SDG No.:	Q2275
Lab Sample ID:	Q2275-02	Matrix:	Water
Analytical Method:	SFAM_VOCSIM	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOC-SIM
GC Column:	DB-624UI ID : 0.18	Level :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VV038813.D	1		06/18/25 11:49	VV061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	0.021	U	0.021	0.050	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	0.49		40 - 130	98.4%	SPK: 0.5
17060-07-0	1,2-Dichloroethane-d4	0.50		70 - 130	99.6%	SPK: 0.5
93952-08-0	1,2-Dichloropropane-d6	0.53		60 - 140	106.6%	SPK: 0.5
2037-26-5	Toluene-d8	0.50		70 - 130	100.4%	SPK: 0.5
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51		65 - 120	101.6%	SPK: 0.5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	5980	8.785			
540-36-3	1,4-Difluorobenzene	6490	5.566			
3855-82-1	1,4-Dichlorobenzene-d4	2600	11.191			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	EB01-060925-SIM	SDG No.:	Q2275
Lab Sample ID:	Q2275-04	Matrix:	Water
Analytical Method:	SFAM_VOCSIM	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOC-SIM
GC Column:	DB-624UI ID : 0.18	Level :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VV038814.D	1		06/18/25 12:11	VV061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	0.021	U	0.021	0.050	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	0.52		40 - 130	104.6%	SPK: 0.5
17060-07-0	1,2-Dichloroethane-d4	0.52		70 - 130	104.8%	SPK: 0.5
93952-08-0	1,2-Dichloropropane-d6	0.54		60 - 140	107.6%	SPK: 0.5
2037-26-5	Toluene-d8	0.52		70 - 130	103.6%	SPK: 0.5
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.50		65 - 120	100.6%	SPK: 0.5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	5930	8.8			
540-36-3	1,4-Difluorobenzene	6090	5.566			
3855-82-1	1,4-Dichlorobenzene-d4	2590	11.191			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: SFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2275-02	OW-08B-72.5-060925-SIM	Vinyl chloride-d3	0.5	0.49	98	40	130
		1,2-Dichloroethane-d4	0.5	0.50	100	70	130
		1,2-Dichloropropane-d6	0.5	0.53	107	60	140
		Toluene-d8	0.5	0.50	100	70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	102	65	120
Q2275-04	EB01-060925-SIM	Vinyl chloride-d3	0.5	0.52	105	40	130
		1,2-Dichloroethane-d4	0.5	0.52	105	70	130
		1,2-Dichloropropane-d6	0.5	0.54	108	60	140
		Toluene-d8	0.5	0.52	104	70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.50	101	65	120
VV0618WBL01	VBLK228	Vinyl chloride-d3	0.5	0.43	87	40	130
		1,2-Dichloroethane-d4	0.5	0.49	99	70	130
		1,2-Dichloropropane-d6	0.5	0.53	106	60	140
		Toluene-d8	0.5	0.54	107	70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.47	94	65	120

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK228

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2275

SAS No.: Q2275 SDG NO.: Q2275

Lab File ID: VV038812.D

Lab Sample ID: VV0618WBL01

Date Analyzed: 06/18/2025

Time Analyzed: 10:56

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OW-08B-72.5-060925-SIM	Q2275-02	VV038813.D	06/18/2025
EB01-060925-SIM	Q2275-04	VV038814.D	06/18/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
Lab File ID: VV038795.D BFB Injection Date: 06/16/2025
Instrument ID: MSVOA_V BFB Injection Time: 08:45
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	19.1
75	30.0 - 60.0% of mass 95	52
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	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	73.5 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 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
VSTD0.05242	VSTD0.0542	VV038796.D	06/16/2025	09:28
VSTD0.1243	VSTD0.143	VV038797.D	06/16/2025	10:15
VSTD0.5244	VSTD0.544	VV038798.D	06/16/2025	10:43
VSTD001245	VSTD00145	VV038799.D	06/16/2025	11:14
VSTD002246	VSTD00246	VV038800.D	06/16/2025	11:36

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
Lab File ID: VV038810.D BFB Injection Date: 06/18/2025
Instrument ID: MSVOA_V BFB Injection Time: 09:41
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	19.4
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.7) 1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.8 (7.6) 1
176	95.0 - 101.0% of mass 174	73.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 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
VSTD0.5322	VSTDCCC0.5	VV038811.D	06/18/2025	10:19
VBLK228	VV0618WBL01	VV038812.D	06/18/2025	10:56
OW-08B-72.5-060925-SIM	Q2275-02	VV038813.D	06/18/2025	11:49
EB01-060925-SIM	Q2275-04	VV038814.D	06/18/2025	12:11
VSTD0.5323	VSTDCCC0.5EC	VV038816.D	06/18/2025	13:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275
Lab File ID: VV038811.D Date Analyzed: 06/18/2025
Instrument ID: MSVOA_V Time Analyzed: 10:19
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 (DFB) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	6326	5.57	5881	8.79	2552	11.19
UPPER LIMIT	12652	5.736	11762	8.955	5104	11.361
LOWER LIMIT	3163	5.396	2940.5	8.615	1276	11.021
EPA SAMPLE NO.						
OW-08B-72.5-060925-SIM	6485	5.57	5976	8.79	2595	11.19
EB01-060925-SIM	6087	5.57	5929	8.80	2589	11.19
VBLK228	7230	5.57	6612	8.79	2640	11.19

IS1 (DFB) = 1,4-Difluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VBLK228	SDG No.:	Q2275
Lab Sample ID:	VV0618WBL01	Matrix:	Water
Analytical Method:	SFAM_VOCSIM	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOC-SIM
GC Column:	DB-624UI ID : 0.18	Level :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VV038812.D	1		06/18/25 10:56	VV061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	0.021	U	0.021	0.050	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	0.43		40 - 130	86.6%	SPK: 0.5
17060-07-0	1,2-Dichloroethane-d4	0.49		70 - 130	98.6%	SPK: 0.5
93952-08-0	1,2-Dichloropropane-d6	0.53		60 - 140	106%	SPK: 0.5
2037-26-5	Toluene-d8	0.54		70 - 130	107.4%	SPK: 0.5
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.47		65 - 120	94.2%	SPK: 0.5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	6610	8.785			
540-36-3	1,4-Difluorobenzene	7230	5.566			
3855-82-1	1,4-Dichlorobenzene-d4	2640	11.191			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG No.: Q2275
 Instrument ID: MSVOA_V Calibration Date(s): 06/16/2025 06/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:28 11:36
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF0.05= VV038796.D		RRF0.1 = VV038797.D		RRF0.5 = VV038798.D		
		RRF001 = VV038799.D		RRF002 = VV038800.D		RRF =		
COMPOUND	RRF0.05	RRF0.1	RRF0.5	RRF001	RRF002	RRF	RRF	% RSD
Vinyl chloride	0.990	0.868	0.877	0.905	0.861		0.900	5.9
Vinyl Chloride-d3	0.474	0.471	0.468	0.495	0.467		0.475	2.4
1,2-Dichloroethane-d4	0.211	0.222	0.227	0.255	0.250		0.233	8.1
1,2-Dichloropropane-d6	0.243	0.269	0.298	0.314	0.292		0.283	9.8
Toluene-d8	0.525	0.519	0.583	0.631	0.601		0.572	8.5
1,1,2,2-Tetrachloroethane-d2	0.190	0.181	0.203	0.218	0.202		0.199	7.1

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG No.: Q2275

Instrument ID: MSVOA_V Calibration Date/Time: 06/18/2025 10:19

Lab File ID: VV038811.D Init. Calib. Date(s): 06/16/2025 06/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:28 11:36

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	0.900	0.928	0.01	3.1	30
Vinyl Chloride-d3	0.475	0.512	0.01	7.8	30
1,2-Dichloroethane-d4	0.233	0.243	0.01	4.1	25
1,2-Dichloropropane-d6	0.283	0.325	0.1	14.7	20
Toluene-d8	0.572	0.630	0.2	10.2	20
1,1,2,2-Tetrachloroethane-d2	0.199	0.216	0.01	8.7	25

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG No.: Q2275

Instrument ID: MSVOA_V Calibration Date/Time: 06/18/2025 13:09

Lab File ID: VV038816.D Init. Calib. Date(s): 06/16/2025 06/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:28 11:36

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	0.900	0.916	0.01	1.8	50
Vinyl Chloride-d3	0.475	0.492	0.01	3.7	50
1,2-Dichloroethane-d4	0.233	0.242	0.01	3.6	50
1,2-Dichloropropane-d6	0.283	0.307	0.1	8.4	50
Toluene-d8	0.572	0.584	0.2	2.1	50
1,1,2,2-Tetrachloroethane-d2	0.199	0.210	0.01	5.8	50

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_V\DATA\VV061825\
 Data File : VV038813.D
 Acq On : 18 Jun 2025 11:49
 Operator : SY/MD
 Sample : Q2275-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 OW-08B-72.5-060925-SIM

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 18 12:19:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 18 12:17:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6485	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	5976	0.500	ug/L	0.00
11) 1,4-Dichlorobenzene-d4	11.191	152	2595	0.500	ug/L	0.00

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.287	65	3032	0.492	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	98.000%
4) 1,2-Dichloroethane-d4	4.970	65	1506	0.498	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
7) 1,2-Dichloropropane-d6	5.996	67	1804	0.533	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	=	106.000%
8) Toluene-d8	7.254	98	3430	0.502	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.000%
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1208	0.508	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	102.000%

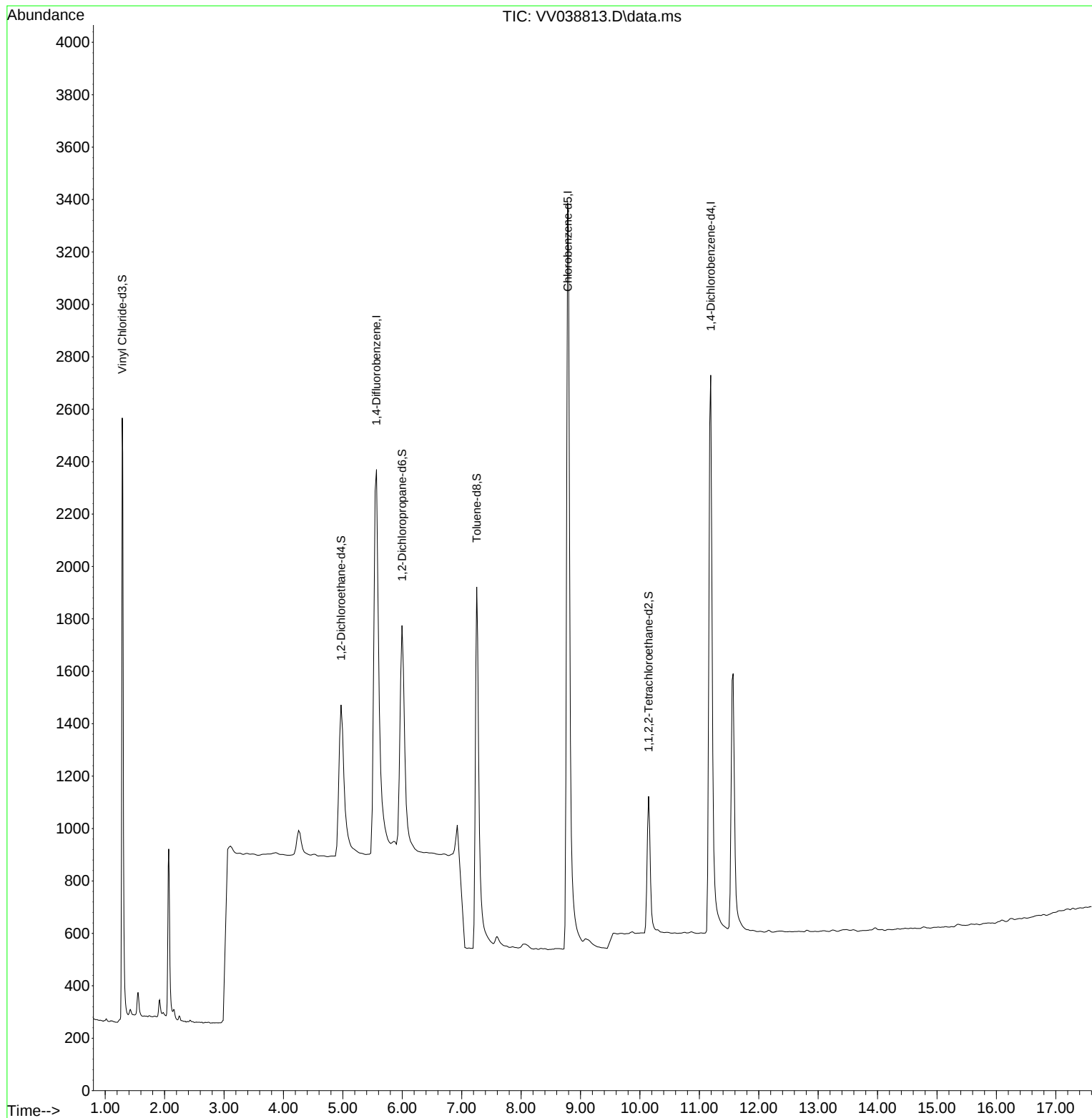
Target Compounds	Qvalue

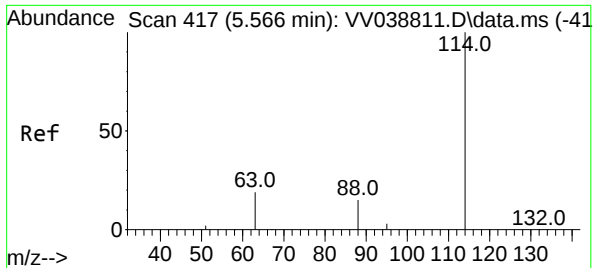
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061825\
Data File : VV038813.D
Acq On : 18 Jun 2025 11:49
Operator : SY/MD
Sample : Q2275-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
OW-08B-72.5-060925-SIM

Quant Time: Jun 18 12:19:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 18 12:17:29 2025
Response via : Initial Calibration



#1
1,4-Difluorobenzene

Concen: 0.500 ug/L

RT: 5.566 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

Instrument :

MSVOA_V

ClientSampleId :

OW-08B-72.5-060925-SIM

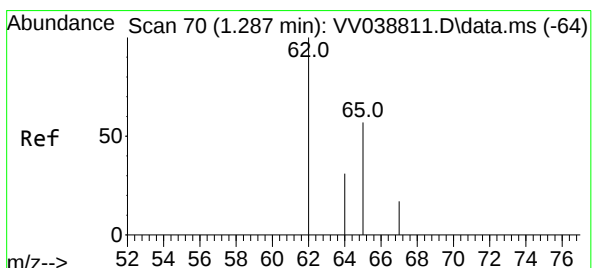
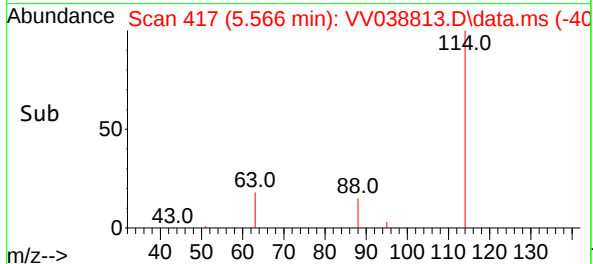
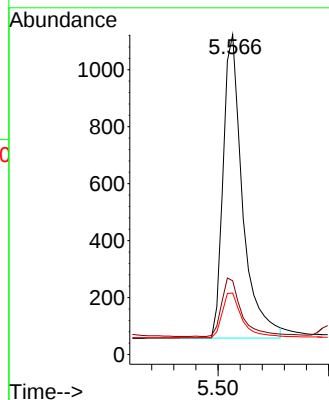
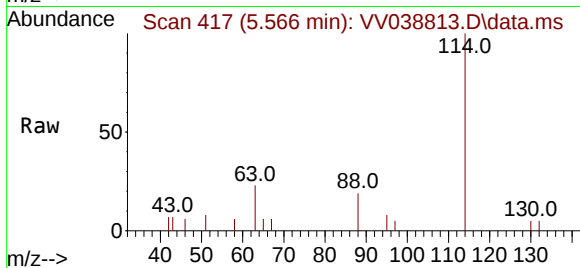
Tgt Ion:114 Resp: 6485

Ion Ratio Lower Upper

114 100

63 19.5 14.6 21.8

88 14.8 12.1 18.1



#2

Vinyl Chloride-d3

Concen: 0.492 ug/L

RT: 1.287 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV038813.D

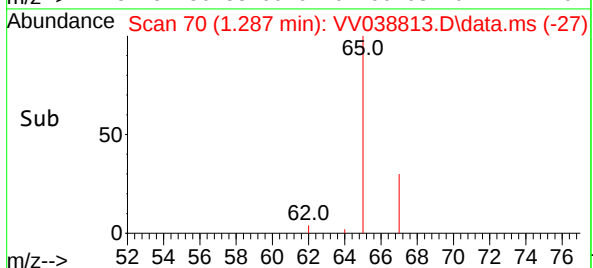
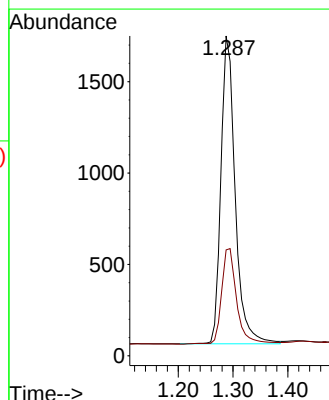
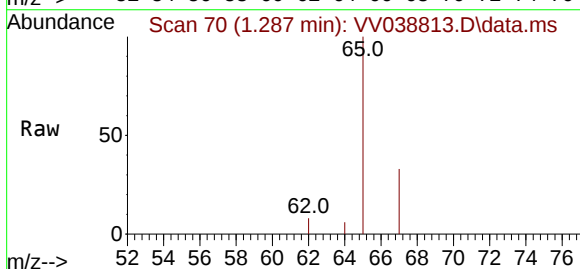
Acq: 18 Jun 2025 11:49

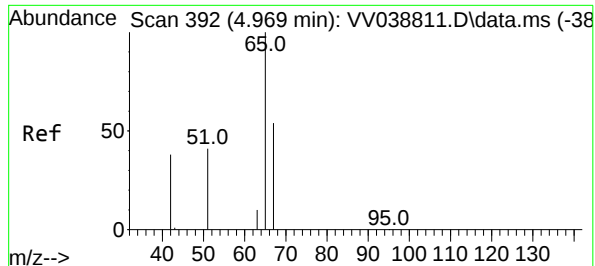
Tgt Ion: 65 Resp: 3032

Ion Ratio Lower Upper

65 100

67 33.1 24.4 45.4





#4

1,2-Dichloroethane-d4

Concen: 0.498 ug/L

RT: 4.970 min Scan# 392

Delta R.T. 0.000 min

Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

Instrument :

MSVOA_V

ClientSampleId :

OW-08B-72.5-060925-SIM

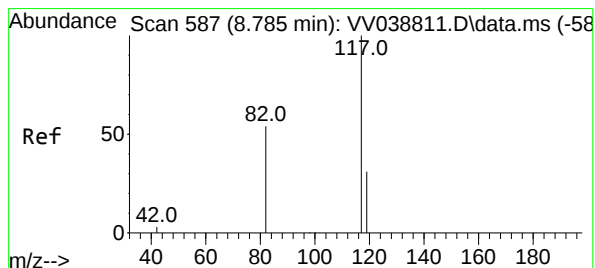
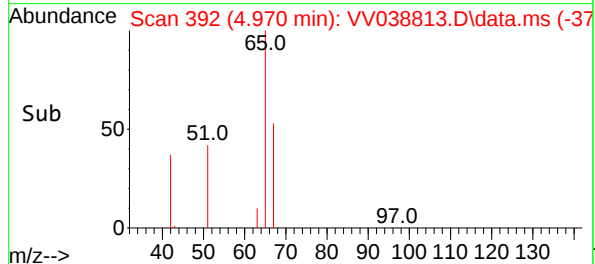
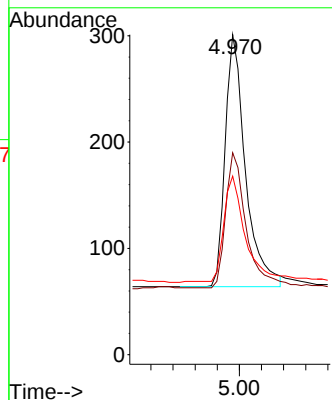
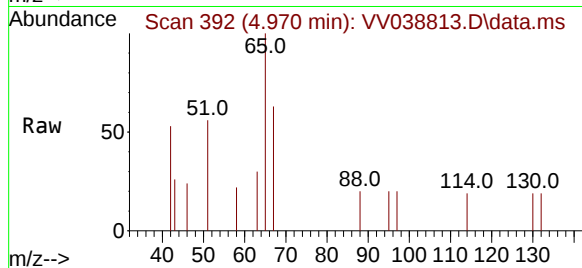
Tgt Ion: 65 Resp: 1506

Ion Ratio Lower Upper

65 100

67 54.0 38.9 72.2

51 43.2 25.8 47.8



#5

Chlorobenzene-d5

Concen: 0.500 ug/L

RT: 8.785 min Scan# 587

Delta R.T. 0.000 min

Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

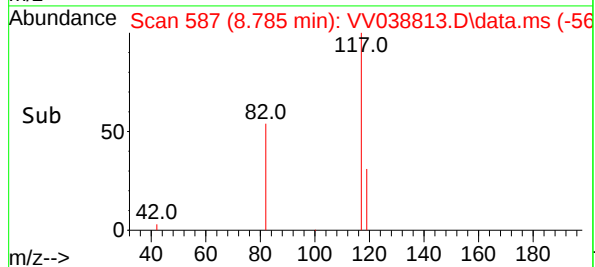
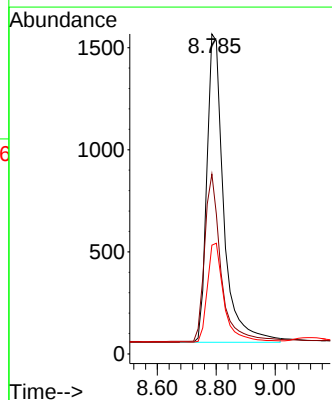
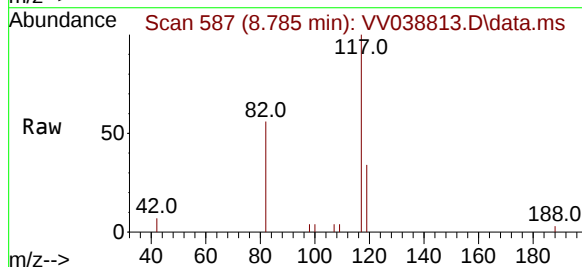
Tgt Ion: 117 Resp: 5976

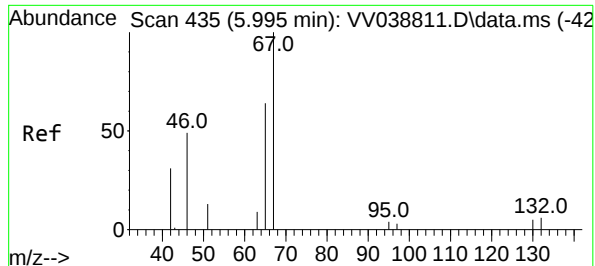
Ion Ratio Lower Upper

117 100

82 52.5 40.6 60.8

119 31.9 25.7 38.5





#7

1,2-Dichloropropane-d6

Concen: 0.533 ug/L

RT: 5.996 min Scan# 41

Delta R.T. 0.000 min

Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

Instrument :

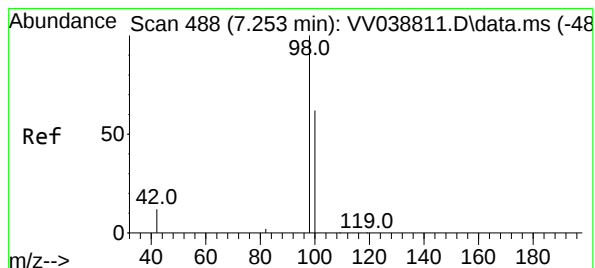
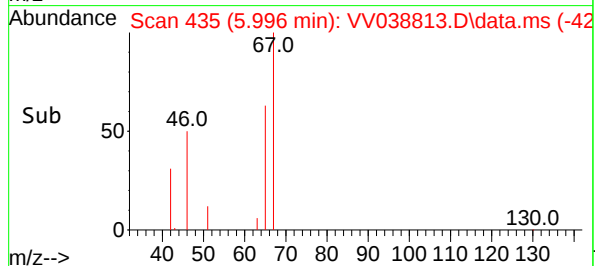
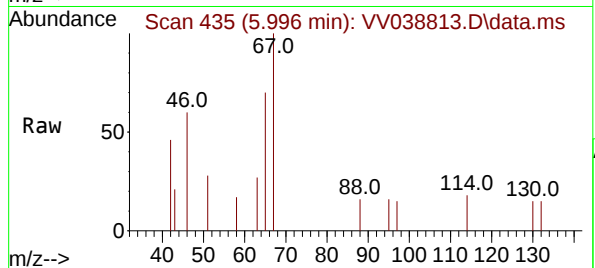
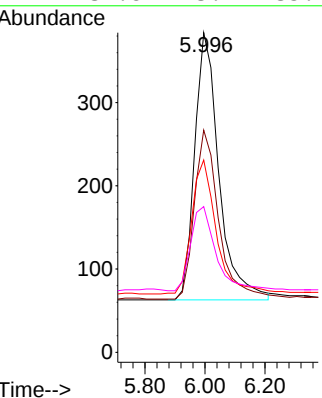
MSVOA_V

ClientSampleId :

OW-08B-72.5-060925-SIM

Tgt Ion: 67 Resp: 1804

Ion	Ratio	Lower	Upper
67	100		
65	63.4	48.6	73.0
46	51.1	37.9	56.9
42	32.8	23.4	35.2



#8

Toluene-d8

Concen: 0.502 ug/L

RT: 7.254 min Scan# 488

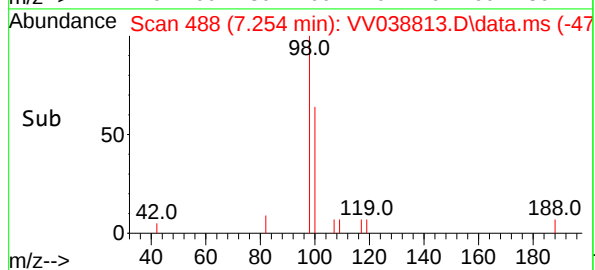
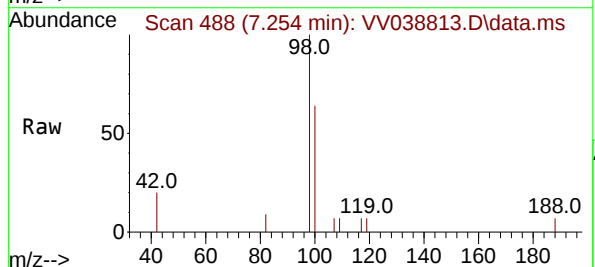
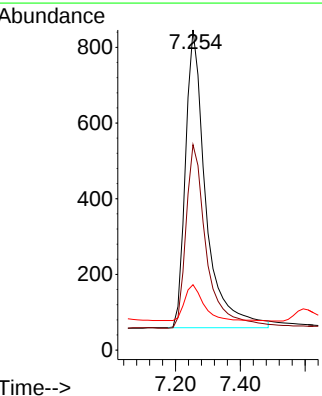
Delta R.T. 0.000 min

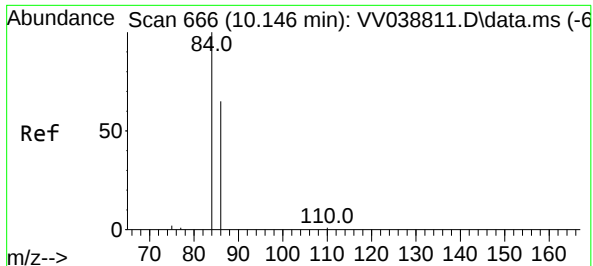
Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

Tgt Ion: 98 Resp: 3430

Ion	Ratio	Lower	Upper
98	100		
100	62.4	44.9	83.5
42	11.6	6.3	11.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.508 ug/L

RT: 10.146 min Scan# 666

Delta R.T. 0.000 min

Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

Instrument :

MSVOA_V

ClientSampleId :

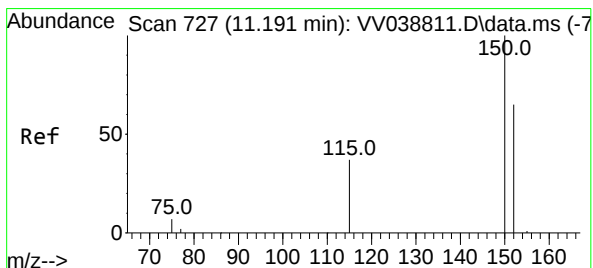
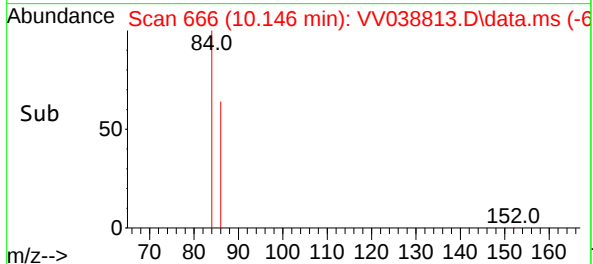
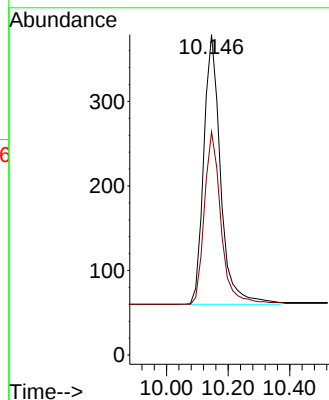
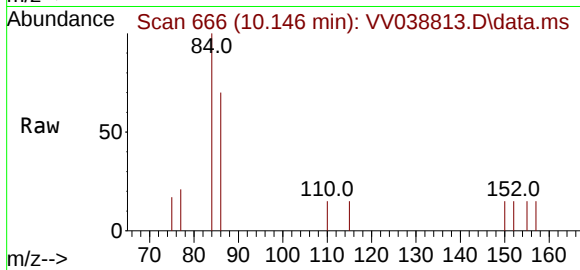
OW-08B-72.5-060925-SIM

Tgt Ion: 84 Resp: 1208

Ion Ratio Lower Upper

84 100

86 63.1 44.7 82.9



#11

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.191 min Scan# 727

Delta R.T. 0.000 min

Lab File: VV038813.D

Acq: 18 Jun 2025 11:49

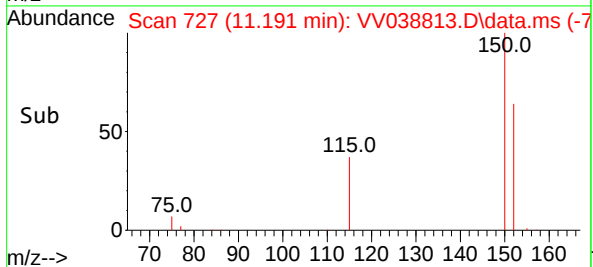
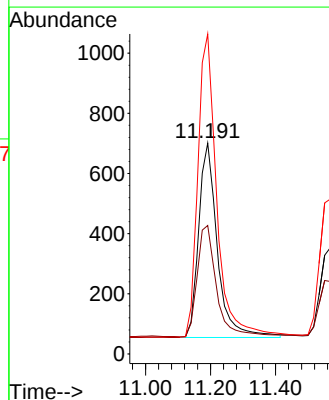
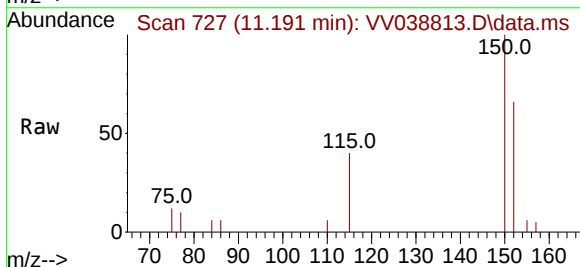
Tgt Ion: 152 Resp: 2595

Ion Ratio Lower Upper

152 100

115 58.9 0.0 114.4

150 156.9 0.0 315.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061825\
Data File : VV038814.D
Acq On : 18 Jun 2025 12:11
Operator : SY/MD
Sample : Q2275-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB01-060925-SIM

Quant Time: Jun 18 12:46:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 18 12:17:29 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6087	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.800	117	5929	0.500	ug/L	0.02
11) 1,4-Dichlorobenzene-d4	11.191	152	2589	0.500	ug/L	0.00

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.287	65	3025	0.523	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	104.000%
4) 1,2-Dichloroethane-d4	4.969	65	1486	0.524	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	104.000%
7) 1,2-Dichloropropane-d6	5.995	67	1805	0.538	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	=	108.000%
8) Toluene-d8	7.253	98	3510	0.518	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	104.000%
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1186	0.503	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	100.000%

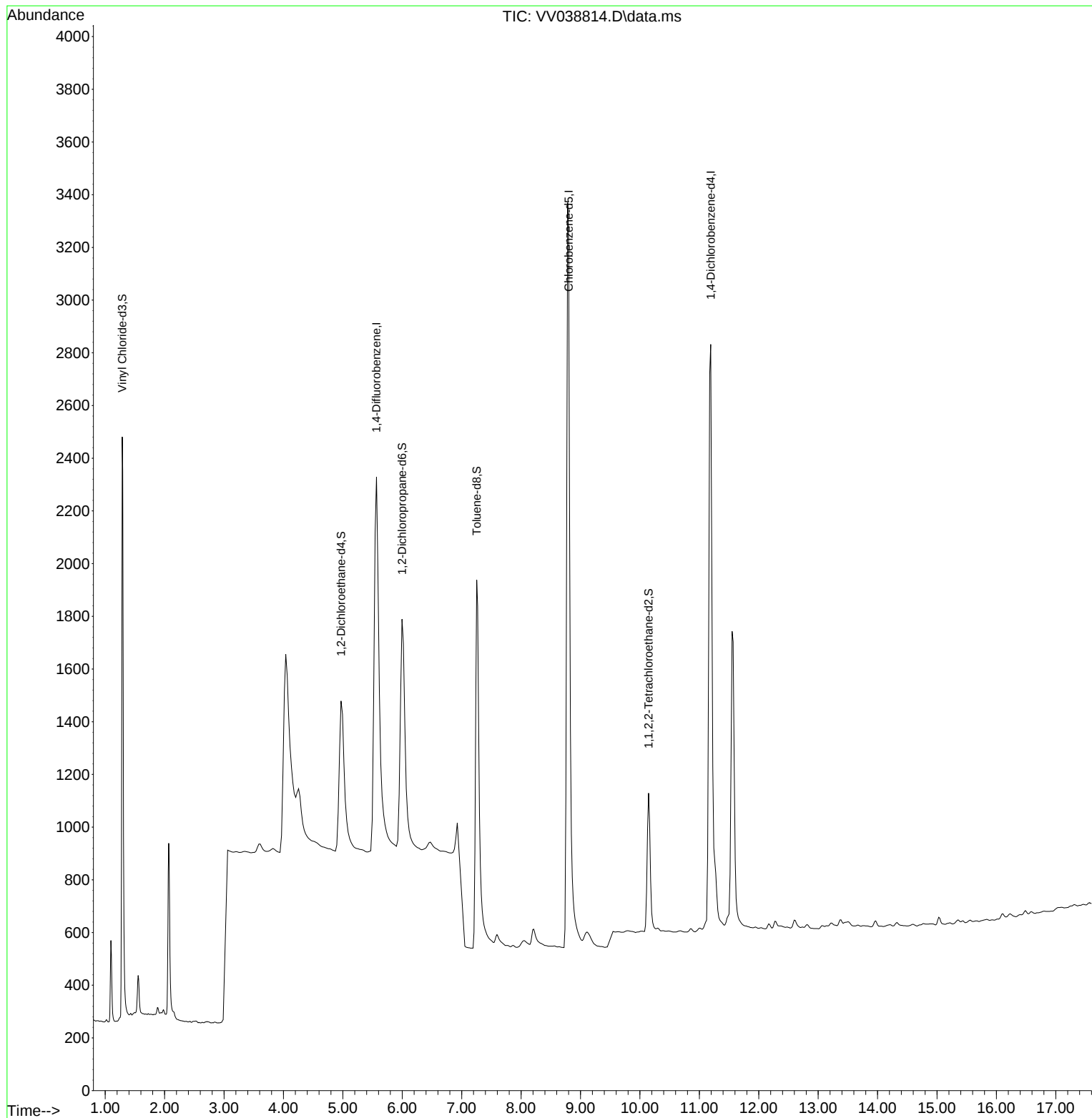
Target Compounds	Qvalue

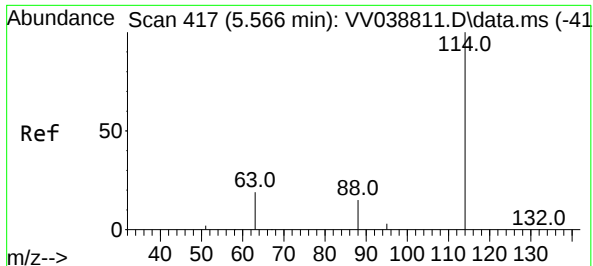
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061825\
Data File : VV038814.D
Acq On : 18 Jun 2025 12:11
Operator : SY/MD
Sample : Q2275-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB01-060925-SIM

Quant Time: Jun 18 12:46:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 18 12:17:29 2025
Response via : Initial Calibration

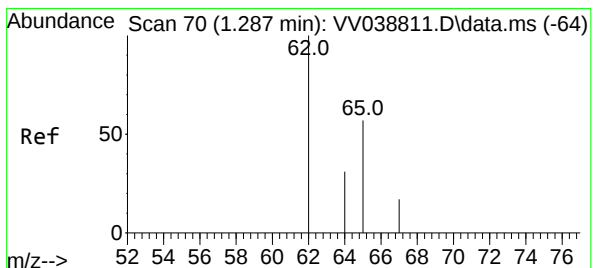
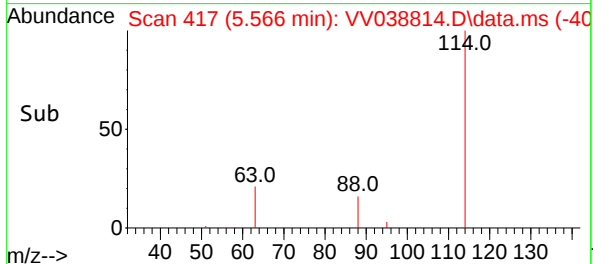
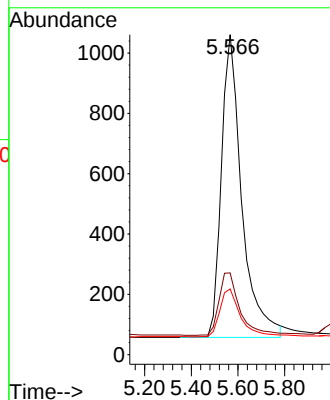
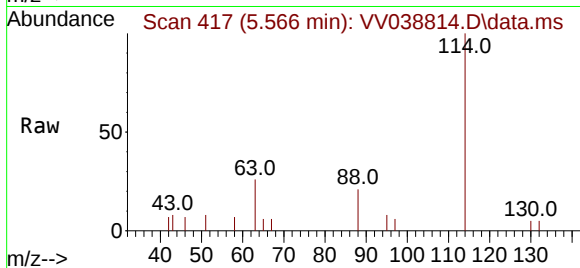




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV038814.D
Acq: 18 Jun 2025 12:11

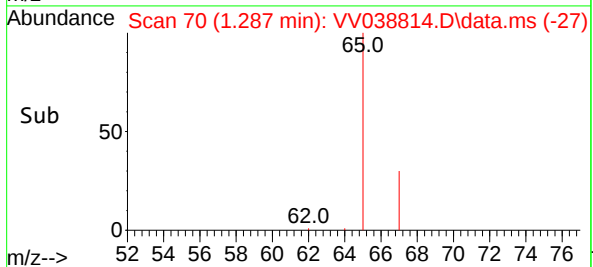
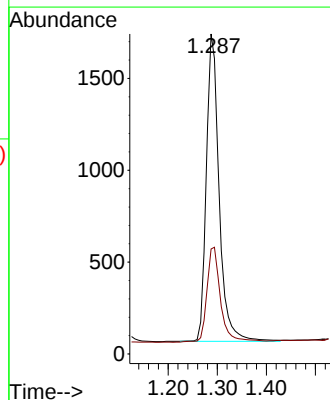
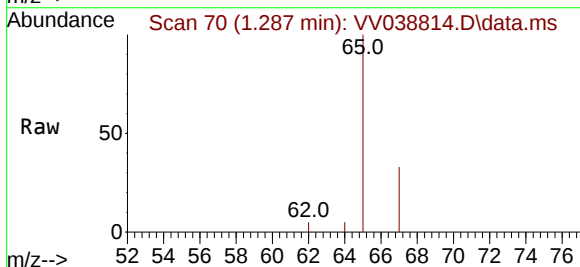
Instrument :
MSVOA_V
ClientSampleId :
EB01-060925-SIM

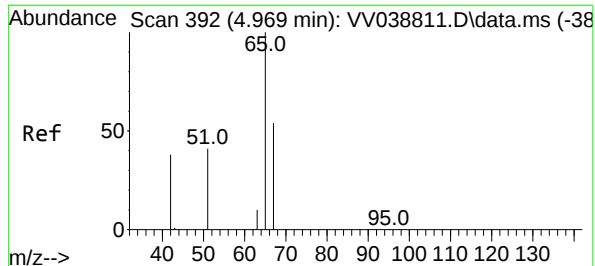
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	14.6	21.8
88	16.0	12.1	18.1



#2
Vinyl Chloride-d3
Concen: 0.523 ug/L
RT: 1.287 min Scan# 70
Delta R.T. 0.000 min
Lab File: VV038814.D
Acq: 18 Jun 2025 12:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	33.4	24.4	45.4





#4

1,2-Dichloroethane-d4

Concen: 0.524 ug/L

RT: 4.969 min Scan# 392

Delta R.T. 0.000 min

Lab File: VV038814.D

Acq: 18 Jun 2025 12:11

Instrument :

MSVOA_V

ClientSampleId :

EB01-060925-SIM

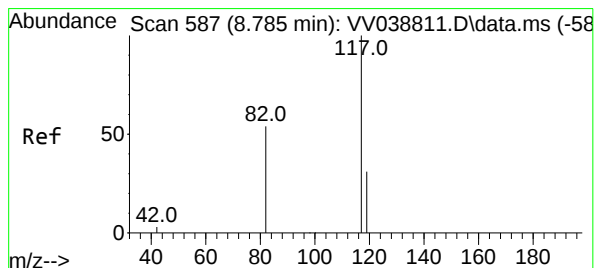
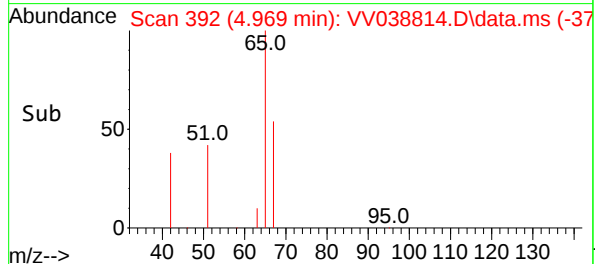
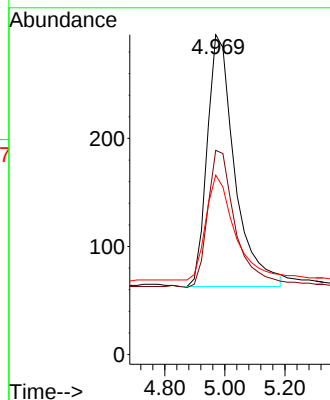
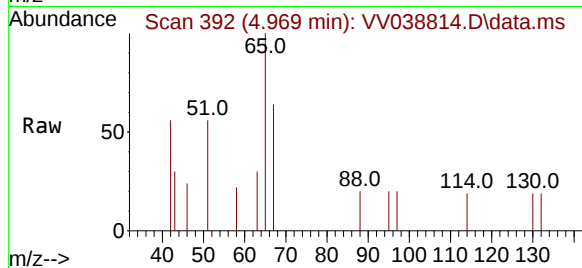
Tgt Ion: 65 Resp: 1486

Ion Ratio Lower Upper

65 100

67 55.2 38.9 72.2

51 43.7 25.8 47.8



#5

Chlorobenzene-d5

Concen: 0.500 ug/L

RT: 8.800 min Scan# 588

Delta R.T. 0.015 min

Lab File: VV038814.D

Acq: 18 Jun 2025 12:11

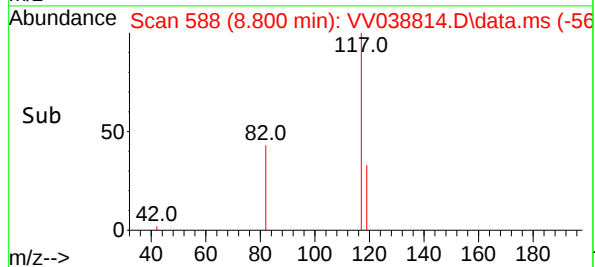
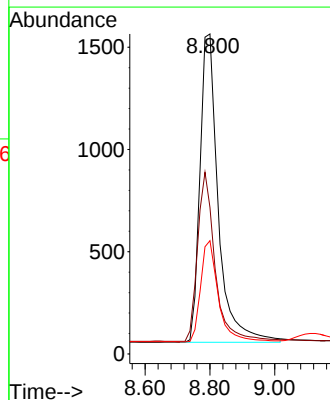
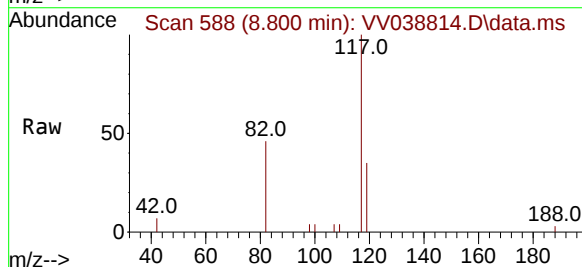
Tgt Ion: 117 Resp: 5929

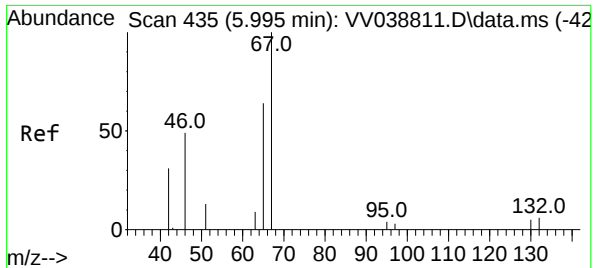
Ion Ratio Lower Upper

117 100

82 52.3 40.6 60.8

119 31.8 25.7 38.5

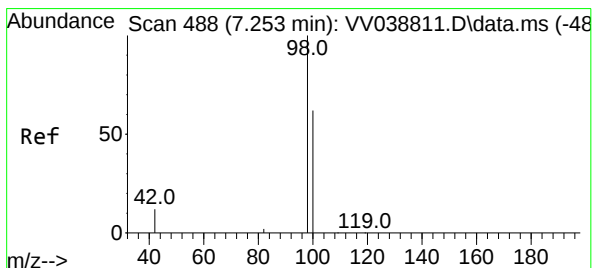
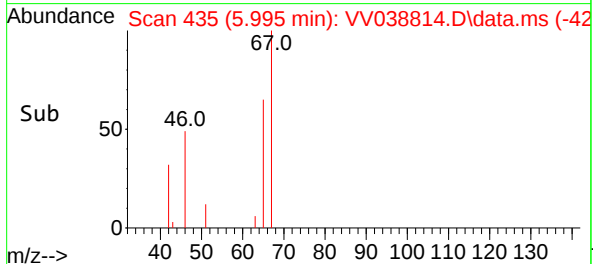
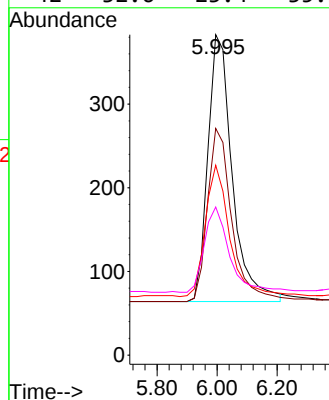
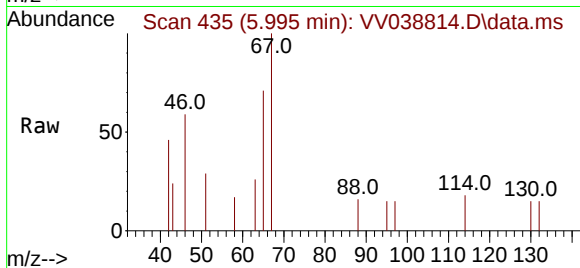




#7
1,2-Dichloropropane-d6
Concen: 0.538 ug/L
RT: 5.995 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038814.D
Acq: 18 Jun 2025 12:11

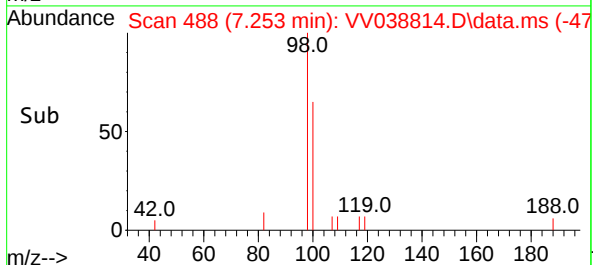
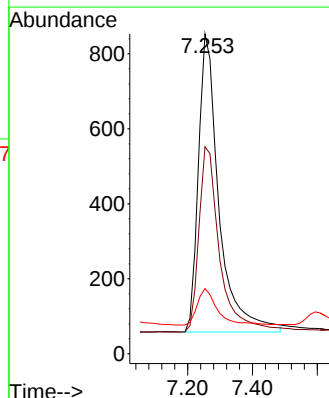
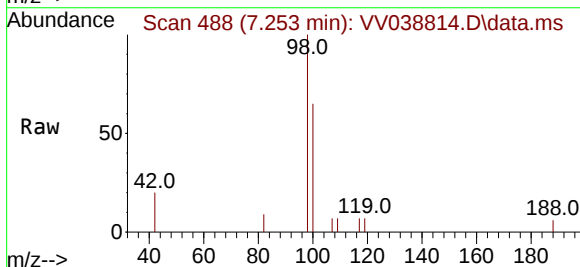
Instrument :
MSVOA_V
ClientSampleId :
EB01-060925-SIM

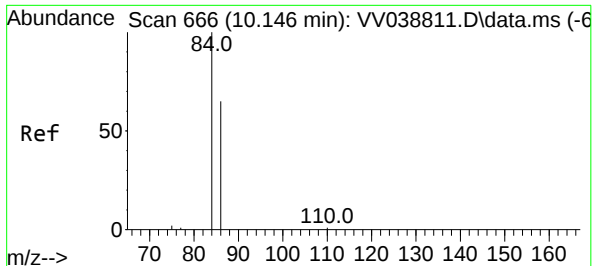
Tgt Ion:	67	Resp:	1805
Ion	Ratio	Lower	Upper
67	100		
65	64.7	48.6	73.0
46	48.9	37.9	56.9
42	32.6	23.4	35.2



#8
Toluene-d8
Concen: 0.518 ug/L
RT: 7.253 min Scan# 488
Delta R.T. 0.000 min
Lab File: VV038814.D
Acq: 18 Jun 2025 12:11

Tgt Ion:	98	Resp:	3510
Ion	Ratio	Lower	Upper
98	100		
100	62.6	44.9	83.5
42	11.7	6.3	11.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.503 ug/L

RT: 10.146 min Scan# 666

Delta R.T. 0.000 min

Lab File: VV038814.D

Acq: 18 Jun 2025 12:11

Instrument :

MSVOA_V

ClientSampleId :

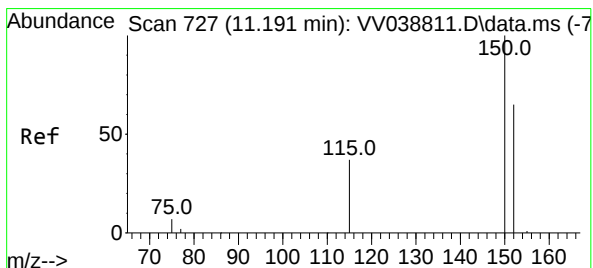
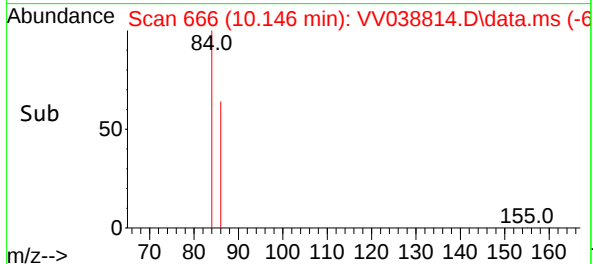
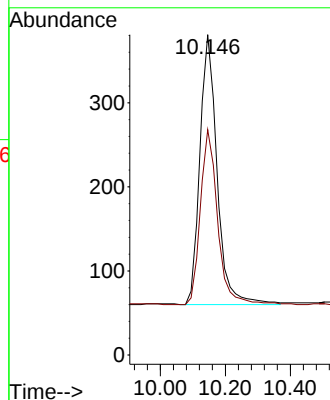
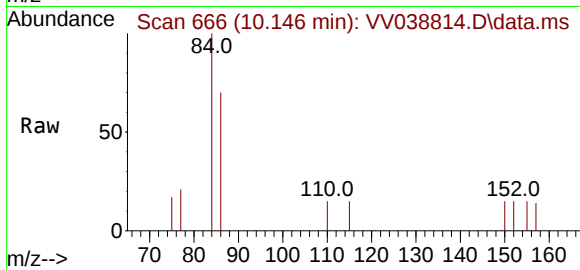
EB01-060925-SIM

Tgt Ion: 84 Resp: 1186

Ion Ratio Lower Upper

84 100

86 64.7 44.7 82.9



#11

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.191 min Scan# 727

Delta R.T. 0.000 min

Lab File: VV038814.D

Acq: 18 Jun 2025 12:11

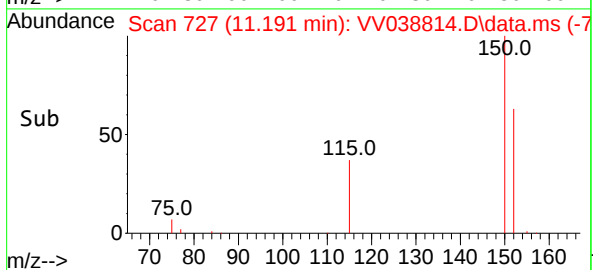
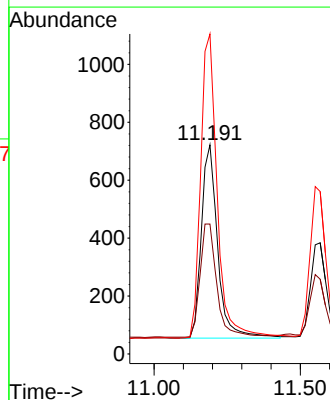
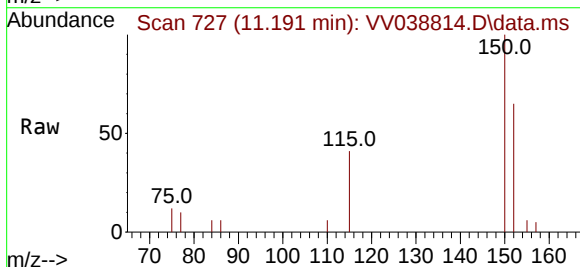
Tgt Ion: 152 Resp: 2589

Ion Ratio Lower Upper

152 100

115 60.1 0.0 114.4

150 159.3 0.0 315.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061825\
Data File : VV038812.D
Acq On : 18 Jun 2025 10:56
Operator : SY/MD
Sample : VV0618WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK228

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 18 12:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 18 12:17:29 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7230	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6612	0.500	ug/L	0.00
11) 1,4-Dichlorobenzene-d4	11.191	152	2640	0.500	ug/L	0.00

System Monitoring Compounds						
2) Vinyl Chloride-d3	1.287	65	2970	0.433	ug/L	0.00
Spiked Amount	0.500	Range	40 - 130	Recovery	=	86.000%
4) 1,2-Dichloroethane-d4	4.970	65	1662	0.493	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	98.000%
7) 1,2-Dichloropropane-d6	5.996	67	1983	0.530	ug/L	0.00
Spiked Amount	0.500	Range	60 - 140	Recovery	=	106.000%
8) Toluene-d8	7.254	98	4057	0.537	ug/L	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	108.000%
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1239	0.471	ug/L	0.00
Spiked Amount	0.500	Range	65 - 120	Recovery	=	94.000%

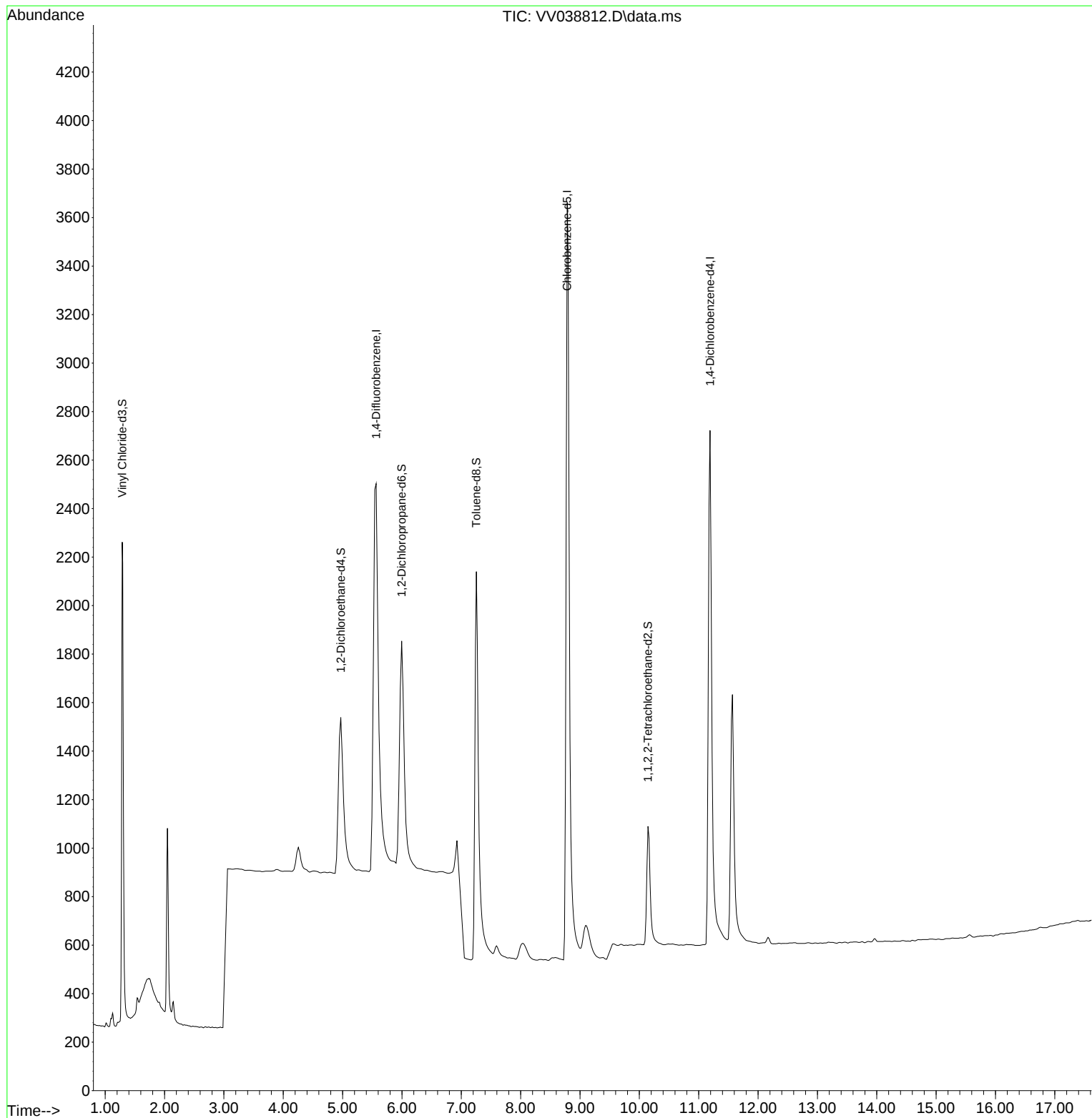
Target Compounds	Qvalue

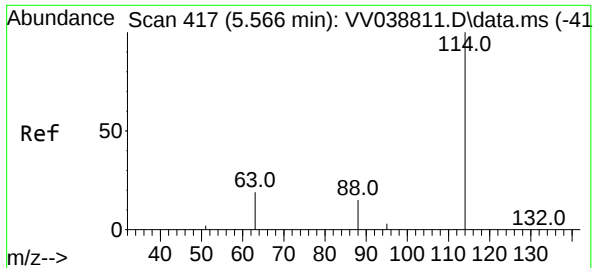
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061825\
Data File : VV038812.D
Acq On : 18 Jun 2025 10:56
Operator : SY/MD
Sample : VV0618WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK228

Quant Time: Jun 18 12:18:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 18 12:17:29 2025
Response via : Initial Calibration

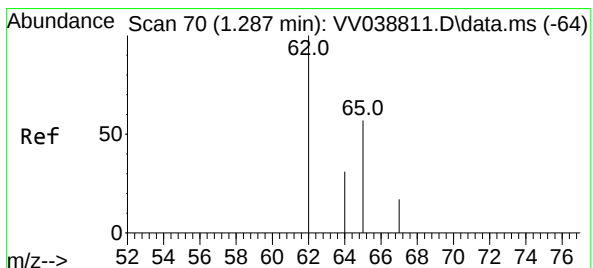
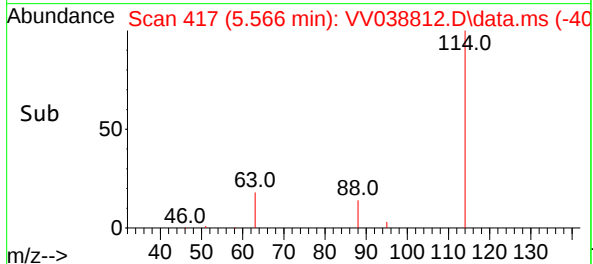
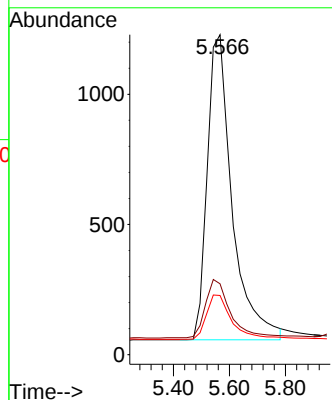
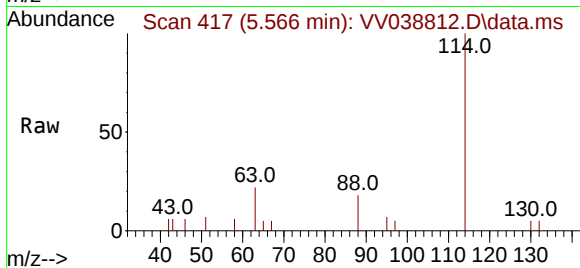




#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV038812.D
Acq: 18 Jun 2025 10:56

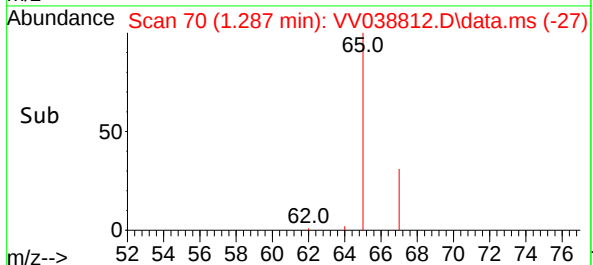
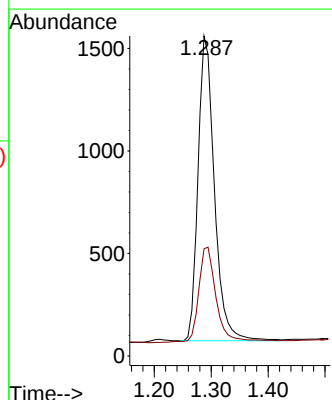
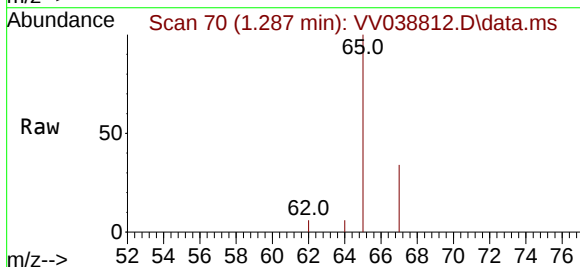
Instrument :
MSVOA_V
ClientSampleId :
VBLK228

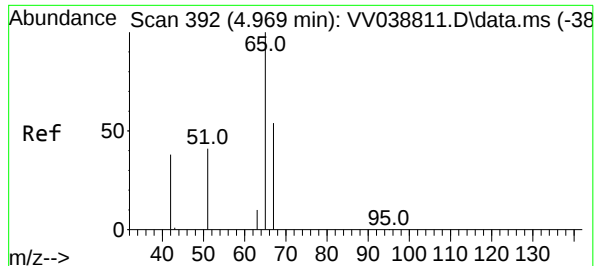
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	14.6	21.8
88	14.7	12.1	18.1



#2
Vinyl Chloride-d3
Concen: 0.433 ug/L
RT: 1.287 min Scan# 70
Delta R.T. 0.000 min
Lab File: VV038812.D
Acq: 18 Jun 2025 10:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	34.5	24.4	45.4

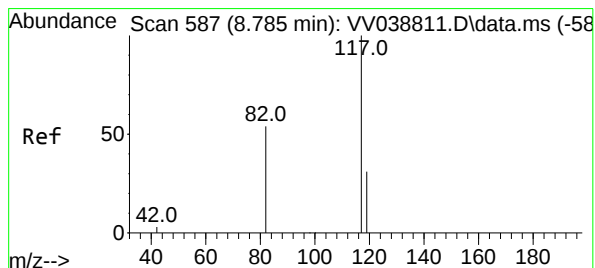
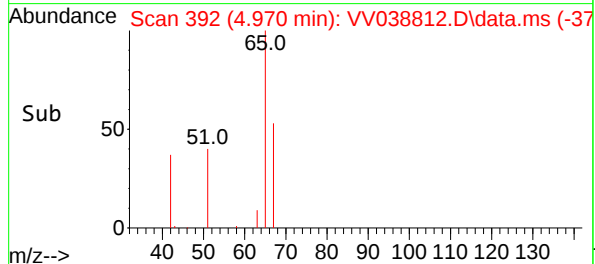
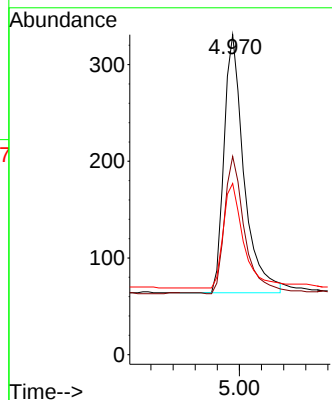
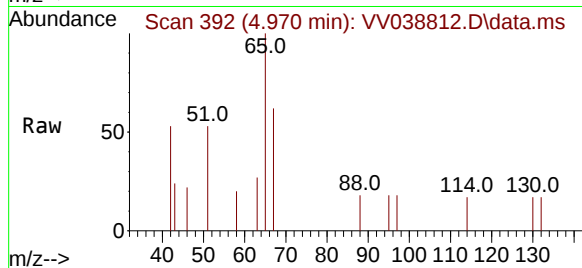




#4
1,2-Dichloroethane-d4
Concen: 0.493 ug/L
RT: 4.970 min Scan# 392
Delta R.T. 0.000 min
Lab File: VV038812.D
Acq: 18 Jun 2025 10:56

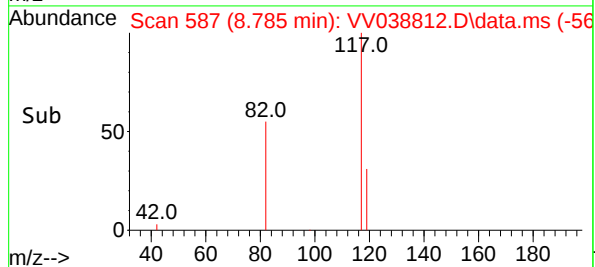
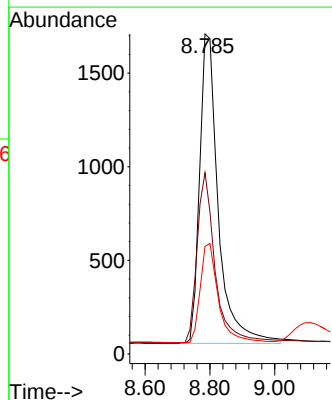
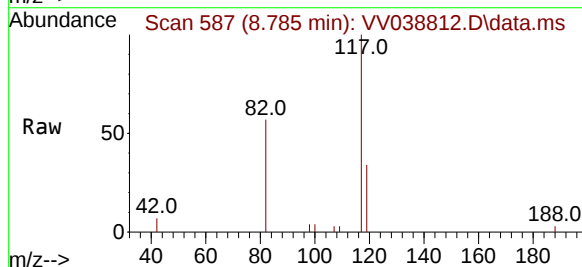
Instrument :
MSVOA_V
ClientSampleId :
VBLK228

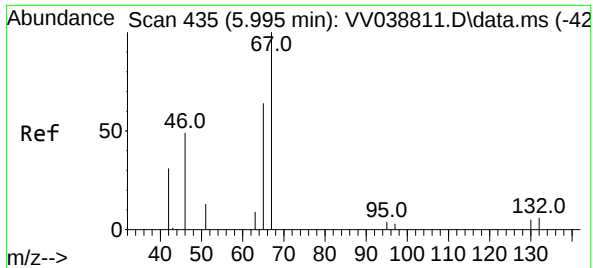
Tgt Ion: 65 Resp: 1662
Ion Ratio Lower Upper
65 100
67 53.5 38.9 72.2
51 41.1 25.8 47.8



#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. 0.000 min
Lab File: VV038812.D
Acq: 18 Jun 2025 10:56

Tgt Ion: 117 Resp: 6612
Ion Ratio Lower Upper
117 100
82 53.3 40.6 60.8
119 31.3 25.7 38.5



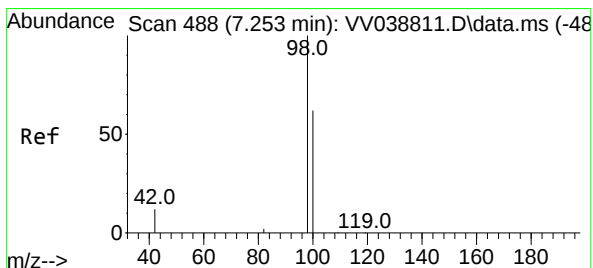
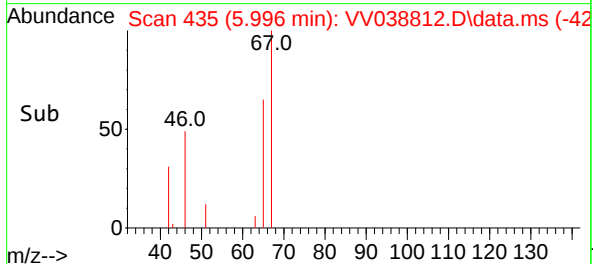
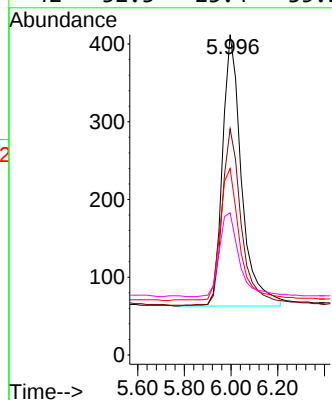
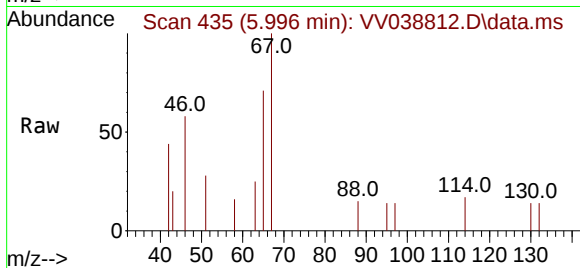


#7
1,2-Dichloropropane-d6
Concen: 0.530 ug/L
RT: 5.996 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV038812.D
Acq: 18 Jun 2025 10:56

Instrument :
MSVOA_V
ClientSampleId :
VBLK228

Tgt Ion: 67 Resp: 1983

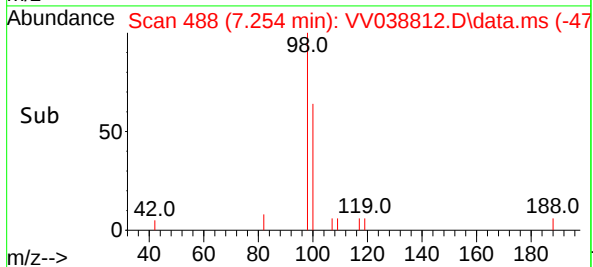
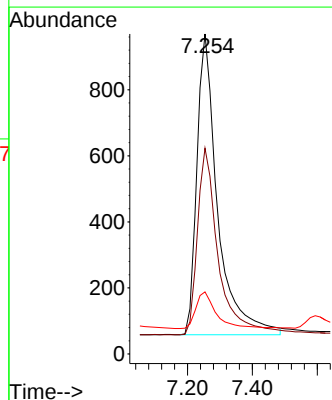
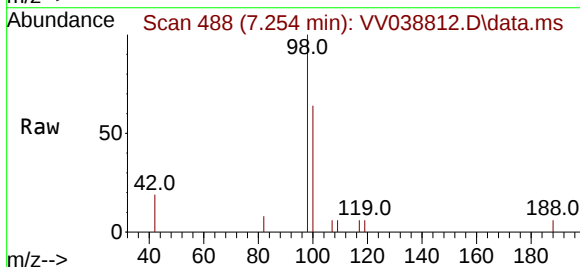
Ion	Ratio	Lower	Upper
67	100		
65	65.3	48.6	73.0
46	48.8	37.9	56.9
42	32.3	23.4	35.2

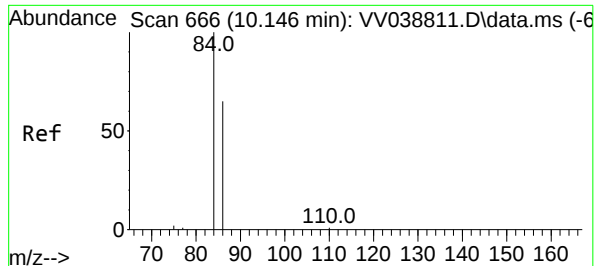


#8
Toluene-d8
Concen: 0.537 ug/L
RT: 7.254 min Scan# 488
Delta R.T. 0.000 min
Lab File: VV038812.D
Acq: 18 Jun 2025 10:56

Tgt Ion: 98 Resp: 4057

Ion	Ratio	Lower	Upper
98	100		
100	62.2	44.9	83.5
42	12.1	6.3	11.7





#10

1,1,2,2-Tetrachloroethane-d2

Concen: 0.471 ug/L

RT: 10.146 min Scan# 666

Delta R.T. 0.000 min

Lab File: VV038812.D

Acq: 18 Jun 2025 10:56

Instrument :

MSVOA_V

ClientSampleId :

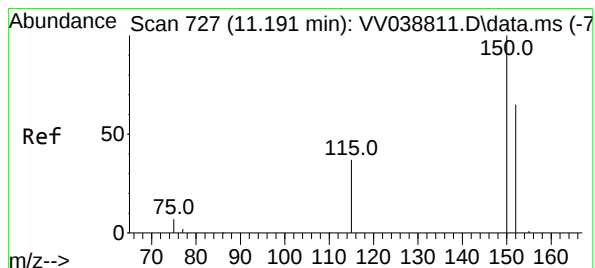
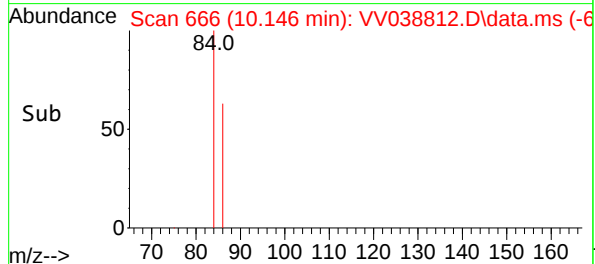
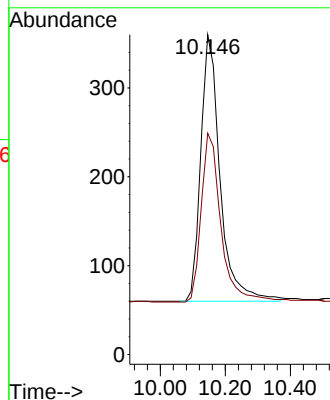
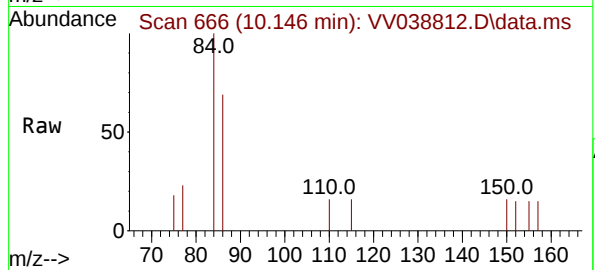
VBLK228

Tgt Ion: 84 Resp: 1239

Ion Ratio Lower Upper

84 100

86 64.6 44.7 82.9



#11

1,4-Dichlorobenzene-d4

Concen: 0.500 ug/L

RT: 11.191 min Scan# 727

Delta R.T. 0.000 min

Lab File: VV038812.D

Acq: 18 Jun 2025 10:56

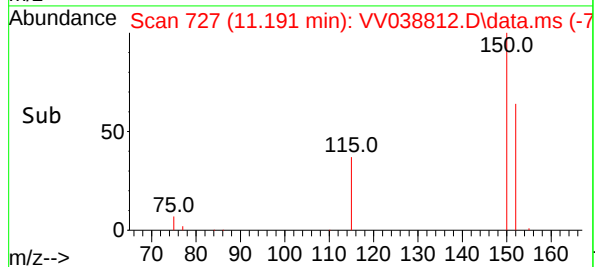
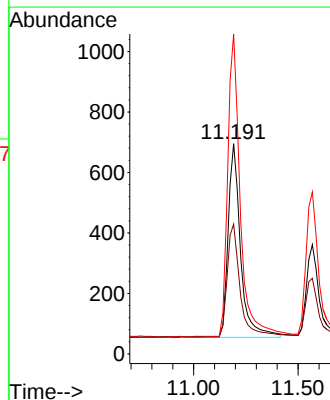
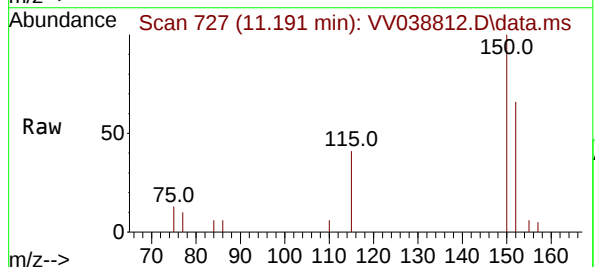
Tgt Ion: 152 Resp: 2640

Ion Ratio Lower Upper

152 100

115 60.1 0.0 114.4

150 157.5 0.0 315.4





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Manual Integration Report

Sequence:

VV061625

Instrument

MSVOA_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

VV061825

Instrument

MSVOA_v

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV061625

Review By	John Carlone	Review On	6/17/2025 8:36:26 AM		
Supervise By	Maresh Dadoda	Supervise On	6/17/2025 8:46:56 AM		
SubDirectory	VV061625	HP Acquire Method	EPASIM_V	HP Processing Method	sfamvsim061625w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP134339				
Initial Calibration Stds	VP134341,VP134343,VP134345,VP135347,VP135349				
CCC	VP135359,MDL-VP135357				
Internal Standard/PEM	VP133385				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB235	VV038795.D	16 Jun 2025 08:45	SY/MD	Ok
2	VSTD0.0542	VV038796.D	16 Jun 2025 09:28	SY/MD	Ok
3	VSTD0.143	VV038797.D	16 Jun 2025 10:15	SY/MD	Ok
4	VSTD0.544	VV038798.D	16 Jun 2025 10:43	SY/MD	Ok
5	VSTD00145	VV038799.D	16 Jun 2025 11:14	SY/MD	Ok
6	VSTD00246	VV038800.D	16 Jun 2025 11:36	SY/MD	Ok
7	VSTDICV0.5	VV038801.D	16 Jun 2025 12:07	SY/MD	Ok
8	VV0616WBL01	VV038802.D	16 Jun 2025 13:06	SY/MD	Ok
9	Q2117-01	VV038803.D	16 Jun 2025 14:31	SY/MD	Ok
10	VSTDCCC0.5EC	VV038804.D	16 Jun 2025 15:07	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV061825

Review By	Semsettin Yesilyurt	Review On	6/21/2025 1:34:48 AM		
Supervise By	Maresh Dadoda	Supervise On	6/23/2025 6:49:43 AM		
SubDirectory	VV061825	HP Acquire Method	EPASIM_V	HP Processing Method	sfamvsim061625w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134409			
CCC		VP134410,VP134411			
Internal Standard/PEM		VP133385			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB237	VV038810.D	18 Jun 2025 09:41	SY/MD	Ok
2	VSTDCCC0.5	VV038811.D	18 Jun 2025 10:19	SY/MD	Ok
3	VV0618WBL01	VV038812.D	18 Jun 2025 10:56	SY/MD	Ok
4	Q2275-02	VV038813.D	18 Jun 2025 11:49	SY/MD	Ok
5	Q2275-04	VV038814.D	18 Jun 2025 12:11	SY/MD	Ok
6	VIBLK224	VV038815.D	18 Jun 2025 12:47	SY/MD	Ok
7	VSTDCCC0.5EC	VV038816.D	18 Jun 2025 13:09	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV061625

Review By	John Carlone	Review On	6/17/2025 8:36:26 AM
Supervise By	Maresh Dadoda	Supervise On	6/17/2025 8:46:56 AM
SubDirectory	VV061625	HP Acquire Method	EPASIM_V HP Processing Method sfamvsim061625w.m

STD. NAME	STD REF.#
Tune/Reschk	VP134339
Initial Calibration Stds	VP134341,VP134343,VP134345,VP135347,VP135349
CCC	VP135359,MDL-VP135357
Internal Standard/PEM	VP133385
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB235	BFB235	VV038795.D	16 Jun 2025 08:45		SY/MD	Ok
2	VSTD0.0542	VSTD0.05242	VV038796.D	16 Jun 2025 09:28		SY/MD	Ok
3	VSTD0.143	VSTD0.1243	VV038797.D	16 Jun 2025 10:15		SY/MD	Ok
4	VSTD0.544	VSTD0.5244	VV038798.D	16 Jun 2025 10:43		SY/MD	Ok
5	VSTD00145	VSTD001245	VV038799.D	16 Jun 2025 11:14		SY/MD	Ok
6	VSTD00246	VSTD002246	VV038800.D	16 Jun 2025 11:36		SY/MD	Ok
7	VSTDICV0.5	VICV247	VV038801.D	16 Jun 2025 12:07		SY/MD	Ok
8	VV0616WBL01	VBLK226	VV038802.D	16 Jun 2025 13:06		SY/MD	Ok
9	Q2117-01	MDL-WATER-QT2-202	VV038803.D	16 Jun 2025 14:31	trace-sim	SY/MD	Ok
10	VSTDCCC0.5EC	VSTD0.5319	VV038804.D	16 Jun 2025 15:07		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV061825

Review By	Semsettin Yesilyurt	Review On	6/21/2025 1:34:48 AM
Supervise By	Mahesh Dadoda	Supervise On	6/23/2025 6:49:43 AM
SubDirectory	VV061825	HP Acquire Method	EPASIM_V HP Processing Method sfamvsim061625w.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134409
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134410,VP134411 VP133385

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB237	BFB237	VV038810.D	18 Jun 2025 09:41	VOC-SIM	SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5322	VV038811.D	18 Jun 2025 10:19	pH#lot#v14222	SY/MD	Ok
3	VV0618WBL01	VBLK228	VV038812.D	18 Jun 2025 10:56		SY/MD	Ok
4	Q2275-02	OW-08B-72.5-060925-S	VV038813.D	18 Jun 2025 11:49	pH#1.0 C	SY/MD	Ok
5	Q2275-04	EB01-060925-SIM	VV038814.D	18 Jun 2025 12:11	pH#1.0 C	SY/MD	Ok
6	VIBLK224	VIBLK224	VV038815.D	18 Jun 2025 12:47		SY/MD	Ok
7	VSTDCCC0.5EC	VSTD0.5323	VV038816.D	18 Jun 2025 13:09		SY/MD	Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2275	OrderDate:	6/10/2025 11:03:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	--Select--,D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2275-01	OW-08B-72.5-060925	Water	VOCMS Group3	8260-Low	06/08/25		06/12/25	06/10/25
Q2275-02	OW-08B-72.5-060925 -SIM	Water	VOC-SIM	SFAM_VOCSI M	06/08/25		06/18/25	06/10/25
Q2275-03	EB01-060925	Water	VOCMS Group3	8260-Low	06/08/25		06/12/25	06/10/25
Q2275-04	EB01-060925-SIM	Water	VOC-SIM	SFAM_VOCSI M	06/08/25		06/18/25	06/10/25
Q2275-05	TB01-060925	Water	VOCMS Group3	8260-Low	06/08/25		06/12/25	06/10/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :		0.00			
			Total Concentration:		0.00			



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	OW-08B-72.5-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037234.D	1	06/10/25 12:20	06/13/25 19:36	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (54) - 150 (157)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (27) - 130 (154)	66%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.46		30 (54) - 130 (175)	115%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	870	7.582			
1146-65-2	Naphthalene-d8	2210	10.362			
15067-26-2	Acenaphthene-d10	1250	14.224			
1517-22-2	Phenanthrene-d10	2270	16.971			
1719-03-5	Chrysene-d12	1770	21.171			
1520-96-3	Perylene-d12	1820	23.36			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/08/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/10/25
Client Sample ID:	EB01-060925	SDG No.:	Q2275
Lab Sample ID:	Q2275-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	890 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037235.D	1	06/10/25 12:20	06/13/25 20:12	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.36		30 (20) - 150 (139)	90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 (54) - 150 (157)	99%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.42		30 (30) - 130 (155)	105%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.54	*	30 (54) - 130 (175)	134%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1110		7.582		
1146-65-2	Naphthalene-d8	2600		10.351		
15067-26-2	Acenaphthene-d10	1390		14.224		
1517-22-2	Phenanthrene-d10	2440		16.971		
1719-03-5	Chrysene-d12	1860		21.171		
1520-96-3	Perylene-d12	1970		23.36		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168391BL	PB168391BL	2-Methylnaphthalene-d10	0.4	0.32	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.41	103		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.26	64		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.28	69		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.35	88		30 (54)	130 (175)
PB168391BS	PB168391BS	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	85		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	92		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
PB168391BSD	PB168391BSD	2-Methylnaphthalene-d10	0.4	0.37	91		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.34	85		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	86		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.38	95		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	92		30 (54)	130 (175)
Q2275-01	OW-08B-72.5-060925	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.26	66		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.37	92		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.46	115		30 (54)	130 (175)
Q2275-03	EB01-060925	2-Methylnaphthalene-d10	0.4	0.36	90		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.40	99		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	87		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.42	105		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.54	134	*	30 (54)	130 (175)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037236.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168391BS	1,4-Dioxane	0.4	0.39	ug/L	98				20 (65)	160 (116)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2275

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB168391BSD	1,4-Dioxane	0.4	0.42	ug/L	105	7			20 (65)	160 (116)	20 (27)

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168391BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2275

SAS No.: Q2275 SDG NO.: Q2275

Lab File ID: BN037233.D

Lab Sample ID: PB168391BL

Instrument ID: BNA_N

Date Extracted: 06/10/2025

Matrix: (soil/water) Water

Date Analyzed: 06/13/2025

Level: (low/med) LOW

Time Analyzed: 19:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168391BS	PB168391BS	BN037236.D	06/13/2025
OW-08B-72.5-060925	Q2275-01	BN037234.D	06/13/2025
EB01-060925	Q2275-03	BN037235.D	06/13/2025
PB168391BSD	PB168391BSD	BN037237.D	06/13/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2275

SDG NO.: Q2275

Lab File ID: BN037223.D

DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_N

DFTPP Injection Time: 11:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.7 (1.1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.3 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	90.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.6 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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
SSTDICC0.1	SSTDICC0.1	BN037225.D	06/13/2025	13:33
SSTDICC0.2	SSTDICC0.2	BN037226.D	06/13/2025	14:10
SSTDICCC0.4	SSTDICCC0.4	BN037227.D	06/13/2025	14:46
SSTDICC0.8	SSTDICC0.8	BN037228.D	06/13/2025	15:22
SSTDICC1.6	SSTDICC1.6	BN037229.D	06/13/2025	15:59
SSTDICC3.2	SSTDICC3.2	BN037230.D	06/13/2025	16:35
SSTDICC5.0	SSTDICC5.0	BN037231.D	06/13/2025	17:11
PB168391BL	PB168391BL	BN037233.D	06/13/2025	19:00
OW-08B-72.5-060925	Q2275-01	BN037234.D	06/13/2025	19:36
EB01-060925	Q2275-03	BN037235.D	06/13/2025	20:12
PB168391BS	PB168391BS	BN037236.D	06/13/2025	20:49
PB168391BSD	PB168391BSD	BN037237.D	06/13/2025	21:25

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037227.D Time Analyzed: 14:46

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	1287	7.575	3210	10.36	1738	14.22
UPPER LIMIT	2574	8.075	6420	10.861	3476	14.724
LOWER LIMIT	643.5	7.075	1605	9.861	869	13.724
EPA SAMPLE NO.						
01 EB01-060925	1109	7.58	2598	10.35	1390	14.22
02 PB168391BS	1477	7.58	3518	10.35	1759	14.22
03 PB168391BSD	1340	7.58	3197	10.35	1517	14.22
04 PB168391BL	1036	7.58	2301	10.37	1224	14.23
05 OW-08B-72.5-060925	870	7.58	2210	10.36	1250	14.22

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2275 SAS No.: Q2275 SDG NO.: Q2275

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/13/2025

Lab File ID: BN037227.D Time Analyzed: 14:46

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	3195	16.971	2284	21.179	2150	23.365
UPPER LIMIT	6390	17.471	4568	21.679	4300	23.865
LOWER LIMIT	1597.5	16.471	1142	20.679	1075	22.865
EPA SAMPLE NO.						
01 EB01-060925	2444	16.97	1856	21.17	1968	23.36
02 PB168391BS	2958	16.97	2090	21.17	1978	23.36
03 PB168391BSD	2544	16.97	1864	21.17	1823	23.36
04 PB168391BL	1841	17.00	1578	21.18	1599	23.37
05 OW-08B-72.5-060925	2268	16.97	1766	21.17	1823	23.36

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168391BL	SDG No.:	Q2275
Lab Sample ID:	PB168391BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037233.D	1	06/10/25 12:20	06/13/25 19:00	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.41		30 (54) - 150 (157)	103%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (27) - 130 (154)	64%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		30 (30) - 130 (155)	69%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (54) - 130 (175)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1040	7.582			
1146-65-2	Naphthalene-d8	2300	10.372			
15067-26-2	Acenaphthene-d10	1220	14.234			
1517-22-2	Phenanthrene-d10	1840	16.996			
1719-03-5	Chrysene-d12	1580	21.18			
1520-96-3	Perylene-d12	1600	23.368			

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168391BS	SDG No.:	Q2275
Lab Sample ID:	PB168391BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037236.D	1	06/10/25 12:20	06/13/25 20:49	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.39		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (30) - 130 (155)	92%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1480	7.575			
1146-65-2	Naphthalene-d8	3520	10.351			
15067-26-2	Acenaphthene-d10	1760	14.224			
1517-22-2	Phenanthrene-d10	2960	16.971			
1719-03-5	Chrysene-d12	2090	21.171			
1520-96-3	Perylene-d12	1980	23.363			

U = Not Detected

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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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168391BSD	SDG No.:	Q2275
Lab Sample ID:	PB168391BSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037237.D	1	06/10/25 12:20	06/13/25 21:25	PB168391

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.42		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (20) - 150 (139)	91%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 (54) - 150 (157)	85%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (30) - 130 (155)	95%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	92%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1340	7.575			
1146-65-2	Naphthalene-d8	3200	10.351			
15067-26-2	Acenaphthene-d10	1520	14.224			
1517-22-2	Phenanthrene-d10	2540	16.971			
1719-03-5	Chrysene-d12	1860	21.171			
1520-96-3	Perylene-d12	1820	23.363			

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

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
 Method File : 8270-SIM-BN061325.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 13 18:43:34 2025
 Response Via : Initial Calibration

Calibration Files

0.1 =BN037225.D 0.2 =BN037226.D 0.4 =BN037227.D 0.8 =BN037228.D 1.6 =BN037229.D 3.2 =BN037230.D 5.0 =BN037231.D

	Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.683	0.525	0.535	0.549	0.515	0.486	0.549	12.56	
3)	n-Nitrosodimet...	1.357	1.277	1.208	1.295	1.232	1.134	1.250	6.18	
4) S	2-Fluorophenol	1.043	1.026	0.942	0.907	0.996	0.990	0.972	0.982	4.80
5) S	Phenol-d6	0.875	0.937	0.963	0.986	1.148	1.166	1.173	1.035	11.94
6)	bis(2-Chloroet...	0.768	0.709	0.870	0.955	1.086	1.064	1.040	0.927	16.08
7) I	Naphthalene-d8	-----ISTD-----								
8) S	Nitrobenzene-d5	0.366	0.304	0.384	0.377	0.440	0.442	0.453	0.395	13.53
9)	Naphthalene	1.186	1.153	1.133	1.109	1.208	1.161	1.159	1.158	2.83
10)	Hexachlorobuta...	0.299	0.290	0.302	0.271	0.285	0.267	0.258	0.282	5.91
11) SURR2	Methylnaphth...	0.496	0.504	0.557	0.520	0.576	0.552	0.553	0.537	5.64
12)	2-Methylnaphth...	0.631	0.634	0.704	0.699	0.769	0.746	0.745	0.704	7.77
13) I	Acenaphthene-d10	-----ISTD-----								
14) S	2,4,6-Tribromo...	0.126	0.146	0.171	0.171	0.188	0.183	0.178	0.166	13.42
15) S	2-Fluorobiphenyl	1.566	1.530	1.699	1.658	1.822	1.777	1.715	1.681	6.31
16)	Acenaphthylene	1.907	1.870	1.870	1.915	2.077	2.062	2.021	1.960	4.61
17)	Acenaphthene	1.242	1.209	1.240	1.230	1.341	1.318	1.277	1.265	3.87
18)	Fluorene	1.544	1.509	1.593	1.610	1.757	1.714	1.649	1.625	5.46
19) I	Phenanthrene-d10	-----ISTD-----								
20)	4,6-Dinitro-2-...	0.074	0.066	0.086	0.100	0.110	0.116	0.092	21.86	
21)	4-Bromophenyl-...	0.248	0.248	0.244	0.256	0.278	0.276	0.273	0.261	5.65
22)	Hexachlorobenzene	0.342	0.318	0.311	0.284	0.297	0.284	0.279	0.302	7.65
23)	Atrazine	0.223	0.229	0.222	0.228	0.241	0.241	0.244	0.232	3.84
24)	Pentachlorophenol	0.139	0.124	0.137	0.154	0.162	0.171	0.148	11.86	
25)	Phenanthrene	1.253	1.225	1.186	1.238	1.324	1.328	1.327	1.269	4.54
26)	Anthracene	1.094	1.079	1.080	1.138	1.221	1.257	1.261	1.161	7.13
27) SURR	Fluoranthene-d10	1.015	1.073	1.053	1.017	1.053	1.043	1.073	1.046	2.27
28)	Fluoranthene	1.470	1.508	1.412	1.449	1.509	1.510	1.537	1.485	2.94
29) I	Chrysene-d12	-----ISTD-----								
30)	Pyrene	1.850	1.740	1.962	1.849	2.016	1.892	1.854	1.881	4.74
31) S	Terphenyl-d14	0.815	0.845	0.946	0.871	0.990	0.939	0.924	0.904	6.89
32)	Benzo(a)anthra...	1.175	1.204	1.225	1.332	1.512	1.507	1.499	1.351	11.36
33)	Chrysene	1.783	1.722	1.695	1.617	1.711	1.633	1.616	1.683	3.73
34)	Bis(2-ethylhex...	1.104	1.024	1.000	1.006	0.942	0.960	1.006	5.65	
35) I	Perylene-d12	-----ISTD-----								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\

Method File : 8270-SIM-BN061325.M

36)	Indeno(1,2,3-c...	1.506	1.503	1.507	1.486	1.718	1.757	1.813	1.613	8.87
37)	Benzo(b)fluora...	1.309	1.288	1.376	1.456	1.618	1.576	1.620	1.463	9.81
38)	Benzo(k)fluora...	1.835	1.503	1.628	1.667	1.757	1.704	1.728	1.689	6.24
39) C	Benzo(a)pyrene	1.271	1.208	1.234	1.298	1.407	1.382	1.413	1.316	6.42
40)	Dibenzo(a,h)an...	1.106	1.102	1.049	1.118	1.362	1.425	1.427	1.227	13.76
41)	Benzo(g,h,i)pe...	1.504	1.460	1.441	1.386	1.557	1.566	1.557	1.496	4.63

(#) = Out of Range



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
 Data File : BN037234.D
 Acq On : 13 Jun 2025 19:36
 Operator : RC/JU
 Sample : Q2275-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OW-08B-72.5-060925

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 13 23:00:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 13 18:43:34 2025
 Response via : Initial Calibration

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

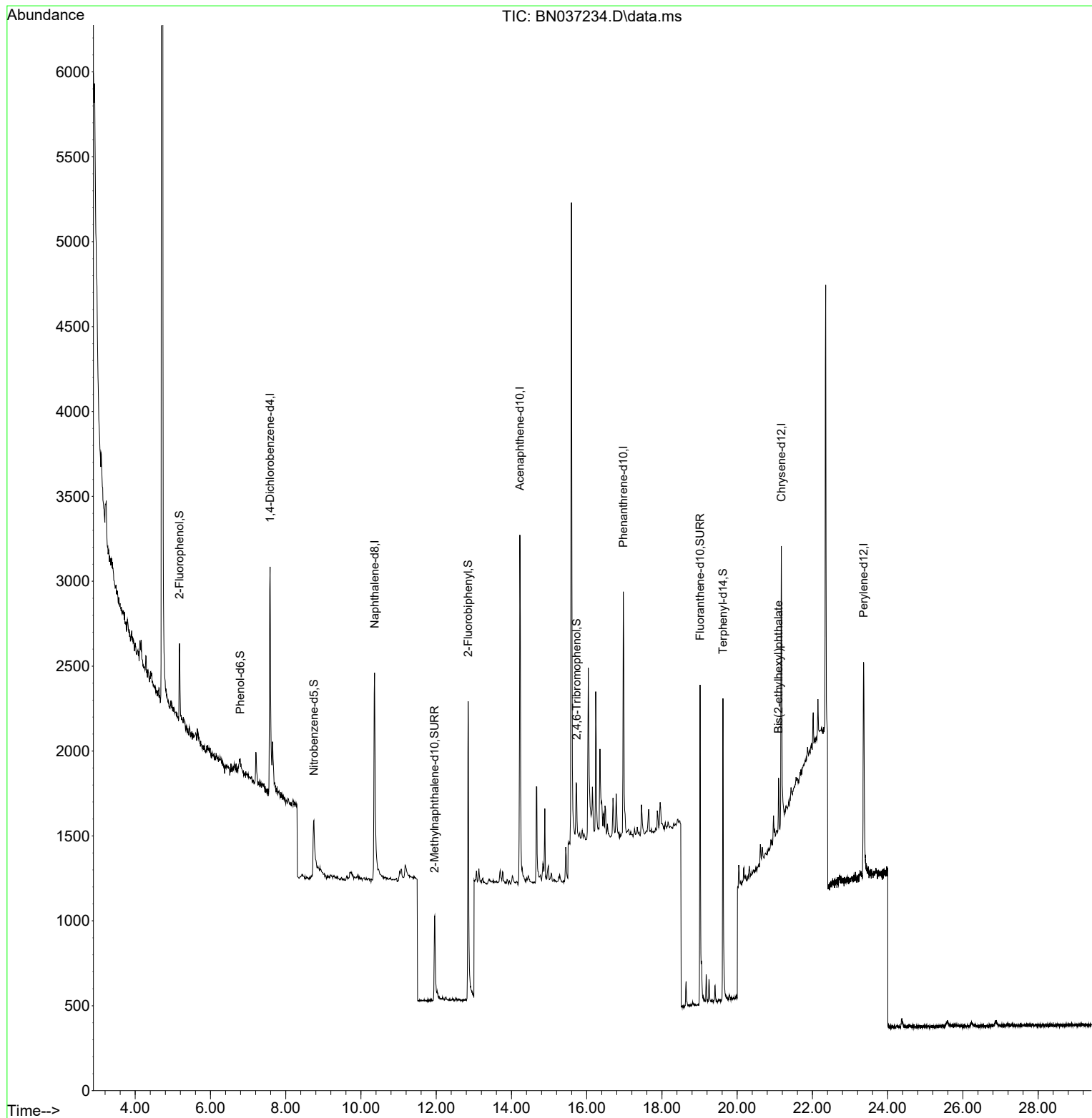
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	870	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	2210	0.400	ng	# 0.00
13) Acenaphthene-d10	14.224	164	1250	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2268	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1766	0.400	ng	# 0.00
35) Perylene-d12	23.360	264	1823	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	342	0.160	ng	0.00
5) Phenol-d6	6.788	99	178	0.079	ng	0.03
8) Nitrobenzene-d5	8.749	82	575	0.263	ng	0.02
11) 2-Methylnaphthalene-d10	11.955	152	978	0.330	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	219	0.422	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	1931	0.368	ng	0.00
27) Fluoranthene-d10	19.012	212	2315	0.390	ng	0.00
31) Terphenyl-d14	19.621	244	1835	0.460	ng	0.00
Target Compounds						
34) Bis(2-ethylhexyl)phtha...	21.099	149	325	0.073	ng	# 92

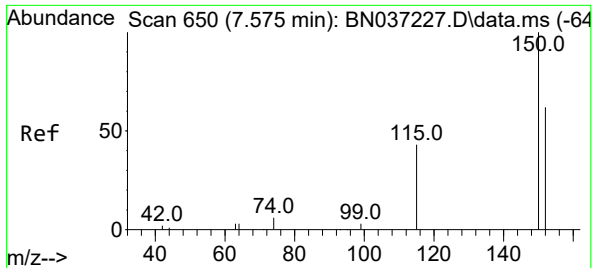
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037234.D
Acq On : 13 Jun 2025 19:36
Operator : RC/JU
Sample : Q2275-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

Quant Time: Jun 13 23:00:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

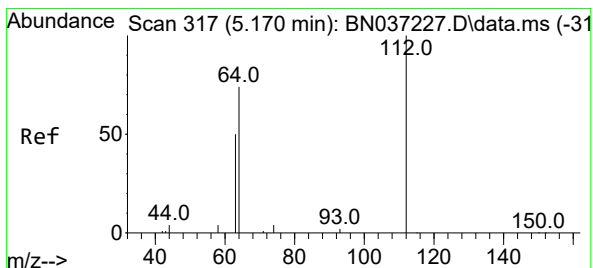
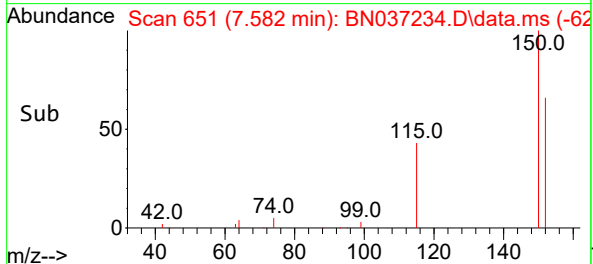
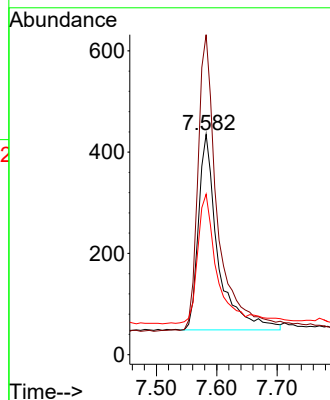
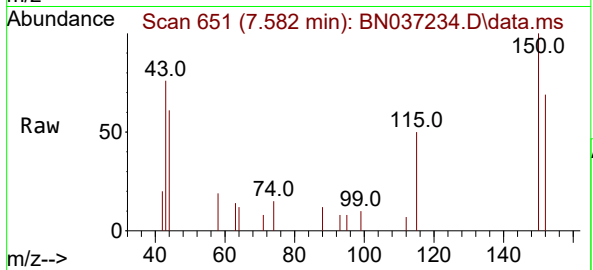




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

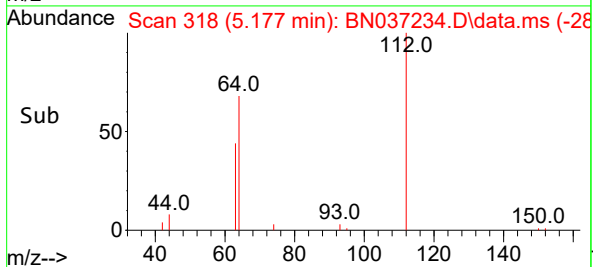
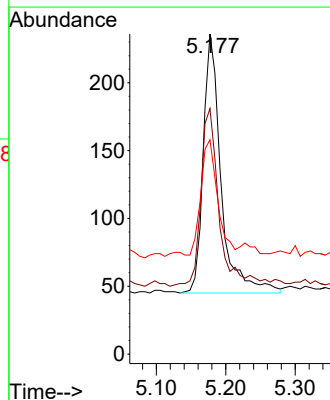
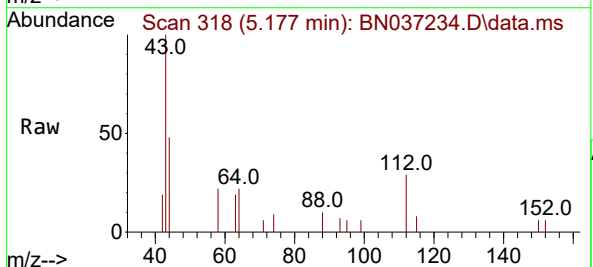
Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

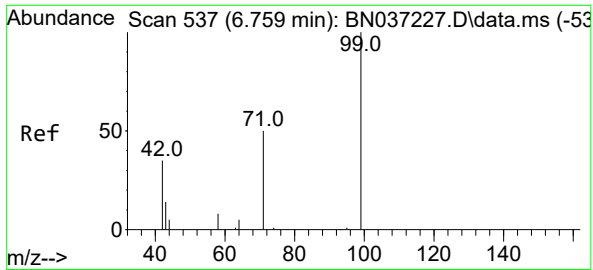
Tgt Ion:152 Resp: 870
Ion Ratio Lower Upper
152 100
150 145.3 125.2 187.8
115 72.9 58.4 87.6



#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:112 Resp: 342
Ion Ratio Lower Upper
112 100
64 70.2 57.2 85.8
63 41.2 39.8 59.6

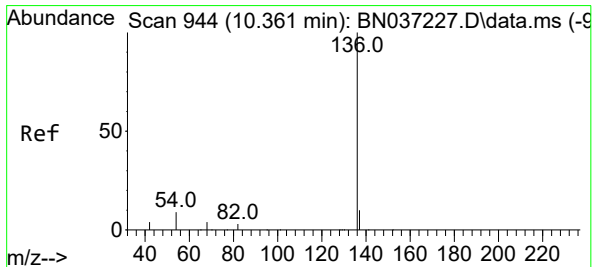
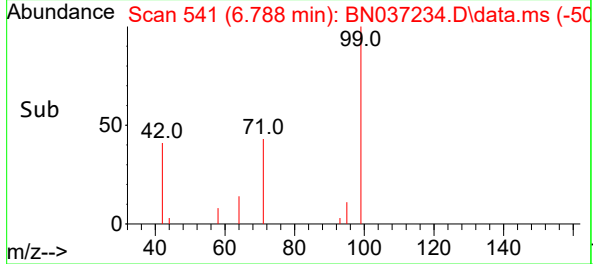
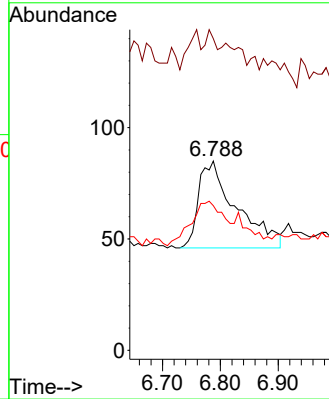
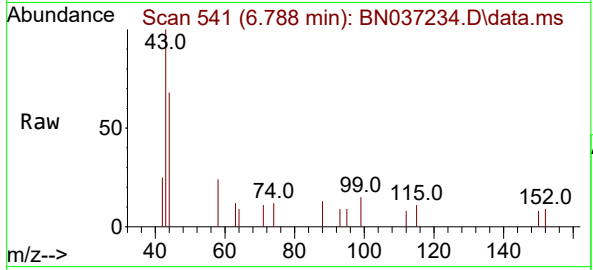




#5
Phenol-d6
Concen: 0.079 ng
RT: 6.788 min Scan# 541
Delta R.T. 0.029 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

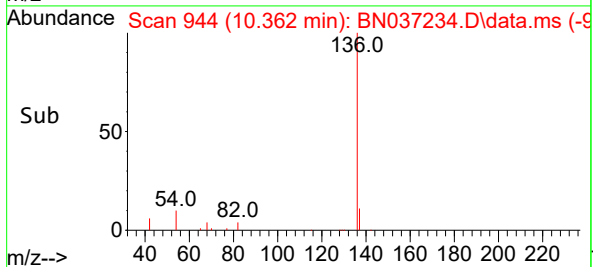
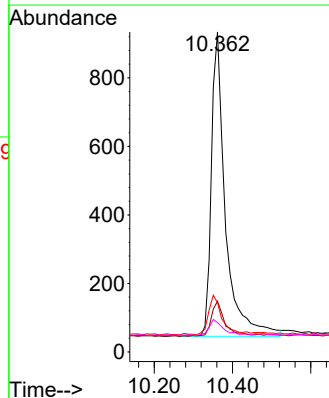
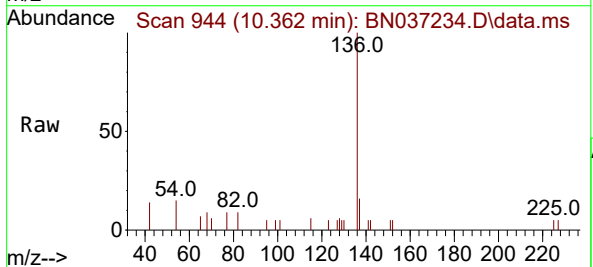
Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

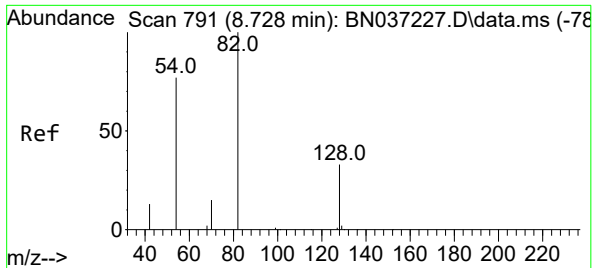
Tgt Ion: 99 Resp: 178
Ion Ratio Lower Upper
99 100
42 0.0 36.2 54.4#
71 43.3 42.4 63.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion: 136 Resp: 2210
Ion Ratio Lower Upper
136 100
137 15.8 10.6 15.8#
54 15.4 9.2 13.8#
68 9.2 5.4 8.0#

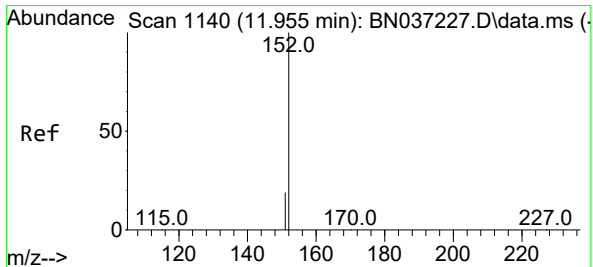
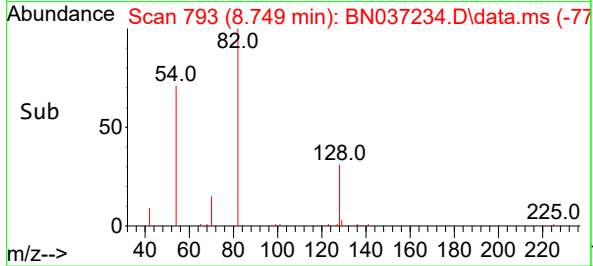
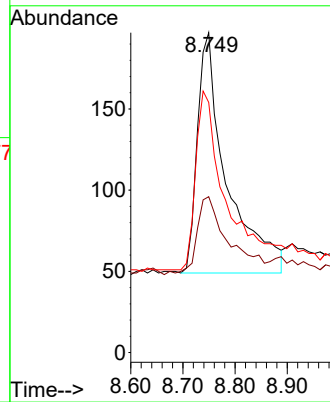
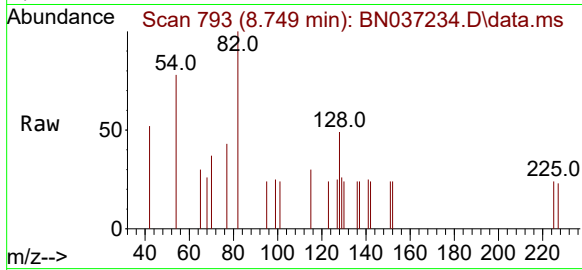




#8
Nitrobenzene-d5
Concen: 0.263 ng
RT: 8.749 min Scan# 791
Delta R.T. 0.022 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

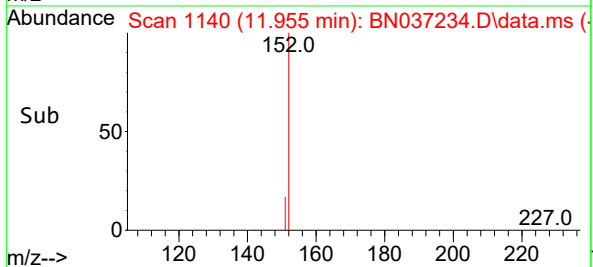
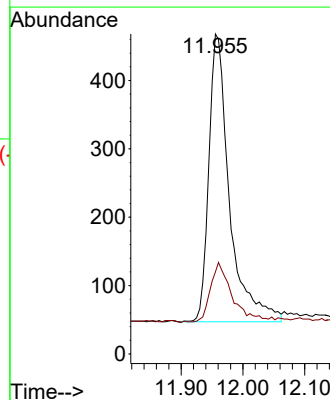
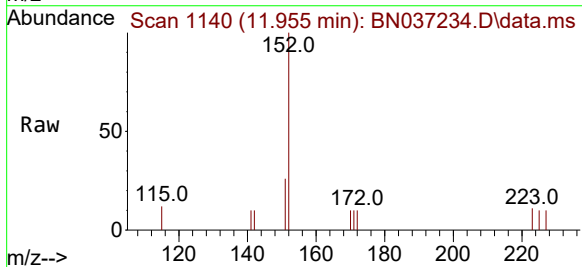
Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

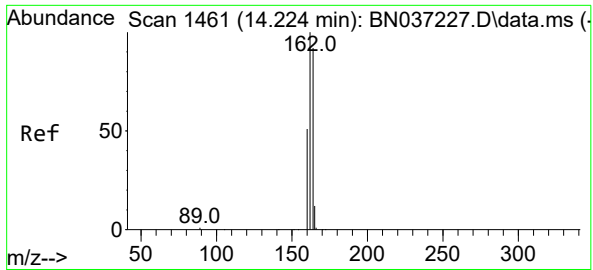
Tgt Ion:	82	Resp:	575
Ion	Ratio	Lower	Upper
82	100		
128	48.7	31.2	46.8#
54	78.2	63.3	94.9



#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 11.955 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:	152	Resp:	978
Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.9	26.9

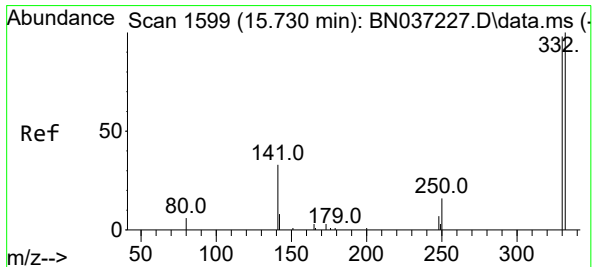
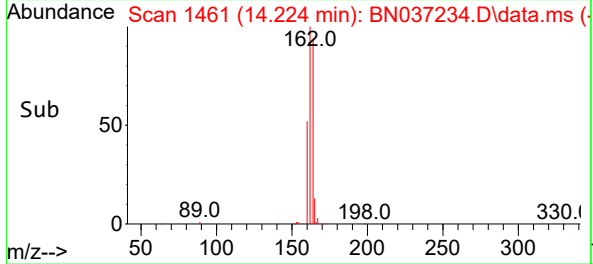
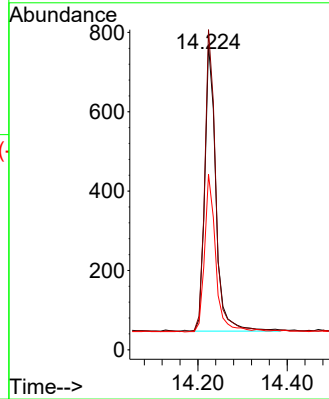
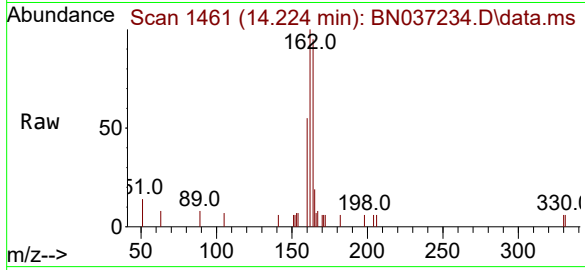




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

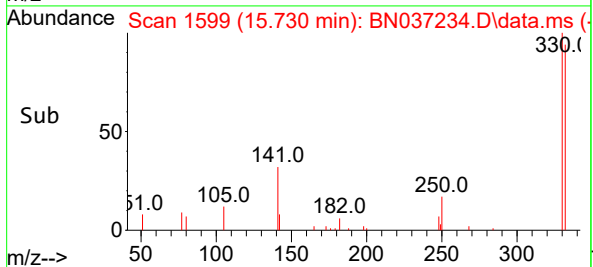
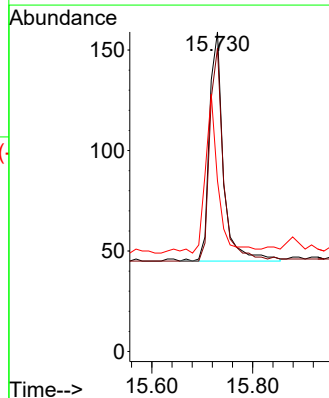
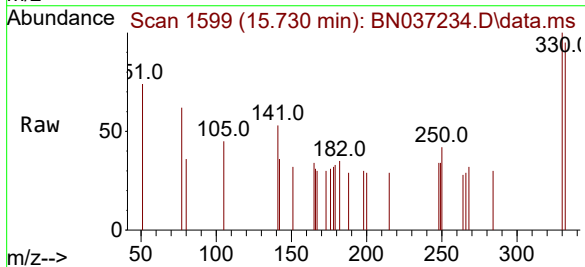
Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

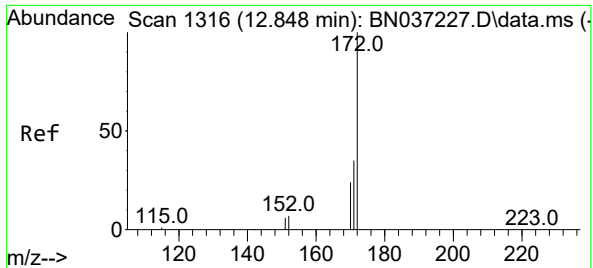
Tgt Ion:	164	Resp:	1250
Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.7	130.1
160	57.5	45.8	68.6



#14
2,4,6-Tribromophenol
Concen: 0.422 ng
RT: 15.730 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:	330	Resp:	219
Ion	Ratio	Lower	Upper
330	100		
332	91.8	74.9	112.3
141	63.0	45.1	67.7





#15

2-Fluorobiphenyl

Concen: 0.368 ng

RT: 12.848 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BN037234.D

Acq: 13 Jun 2025 19:36

Instrument :

BNA_N

ClientSampleId :

OW-08B-72.5-060925

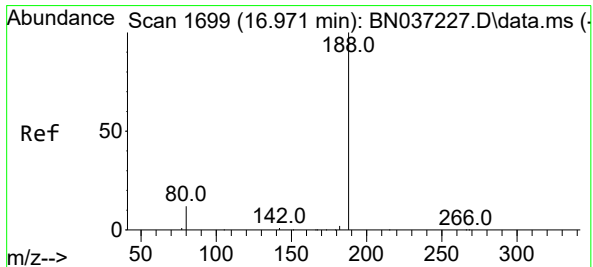
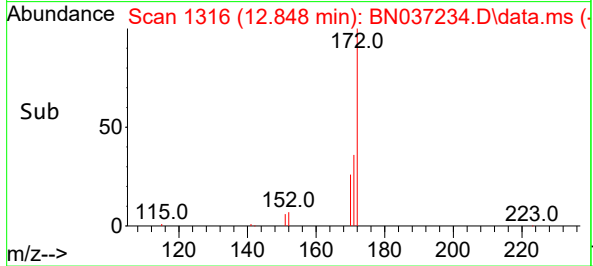
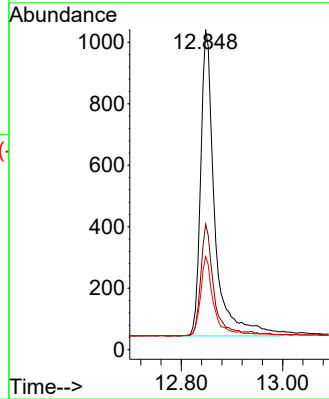
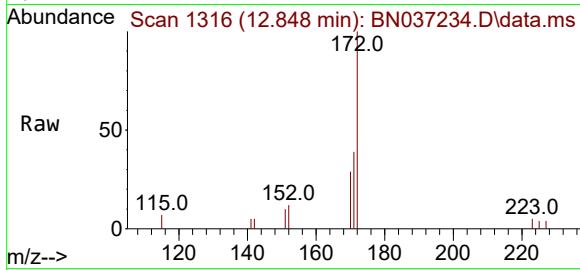
Tgt Ion:172 Resp: 1931

Ion Ratio Lower Upper

172 100

171 39.3 29.8 44.8

170 29.1 21.1 31.7



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.971 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BN037234.D

Acq: 13 Jun 2025 19:36

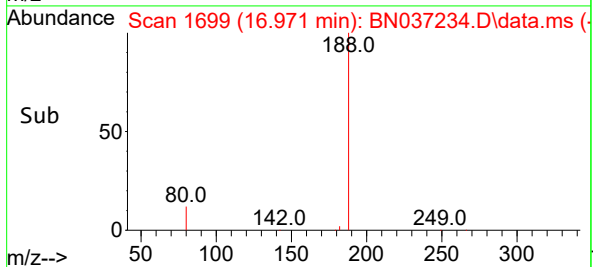
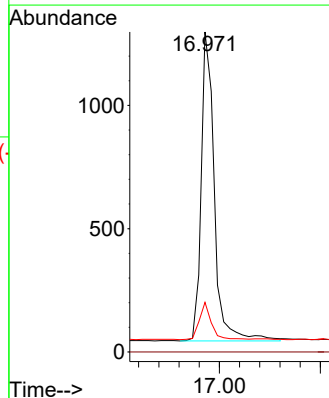
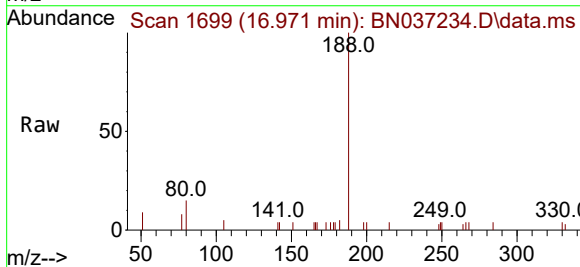
Tgt Ion:188 Resp: 2268

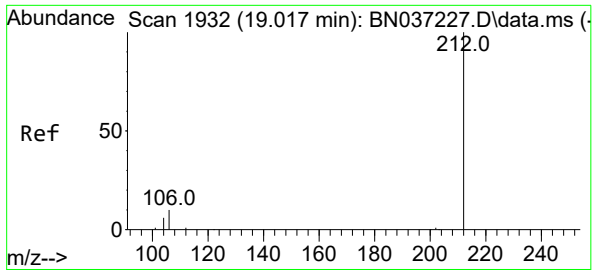
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.012 min Scan# 1931

Delta R.T. -0.004 min

Lab File: BN037234.D

Acq: 13 Jun 2025 19:36

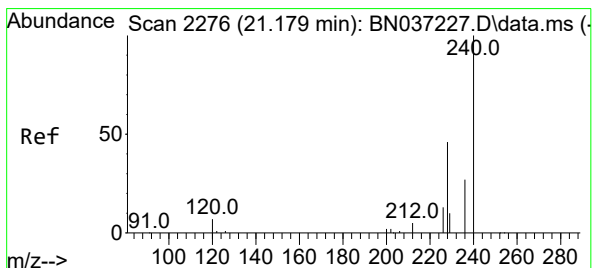
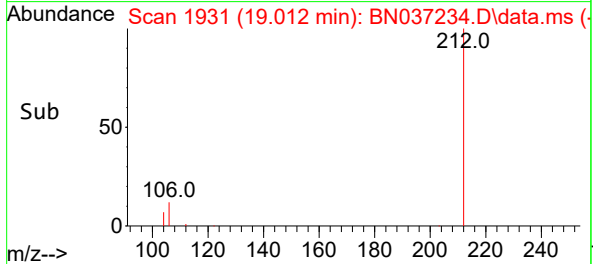
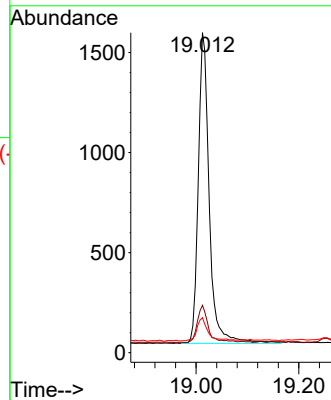
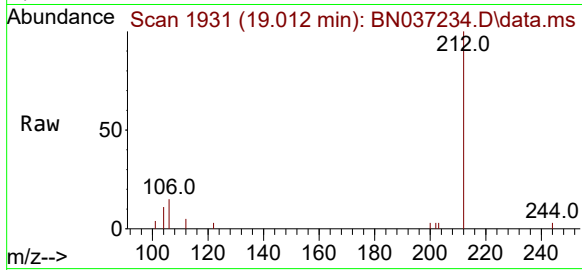
Instrument :

BNA_N

ClientSampleId :

OW-08B-72.5-060925

Tgt Ion:212	Resp:	2315
Ion Ratio	Lower	Upper
212	100	
106	12.1	9.3 13.9
104	7.5	5.7 8.5



#29

Chrysene-d12

Concen: 0.400 ng

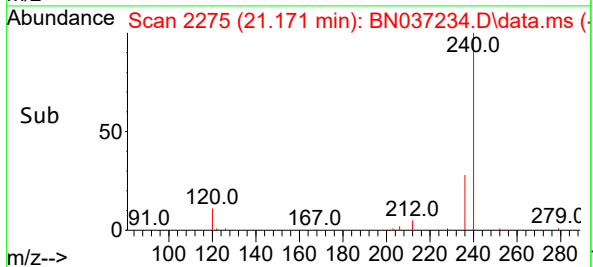
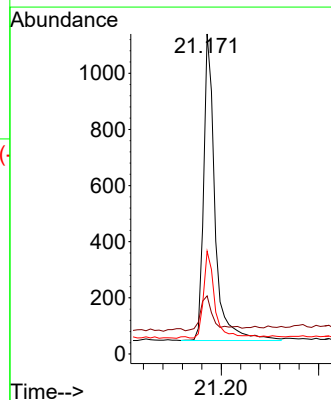
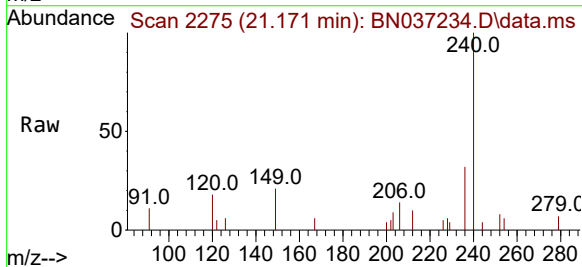
RT: 21.171 min Scan# 2275

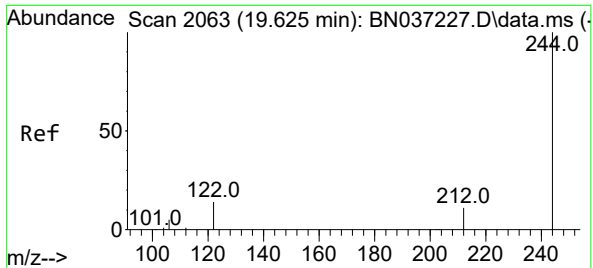
Delta R.T. -0.009 min

Lab File: BN037234.D

Acq: 13 Jun 2025 19:36

Tgt Ion:240	Resp:	1766
Ion Ratio	Lower	Upper
240	100	
120	18.2	11.3 16.9
236	32.1	24.4 36.6

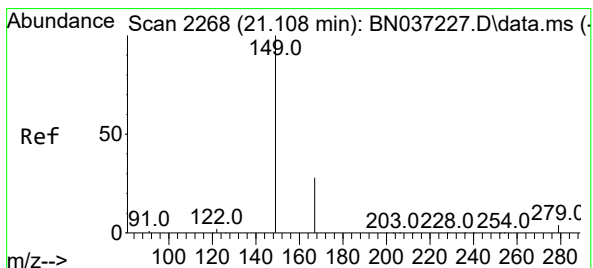
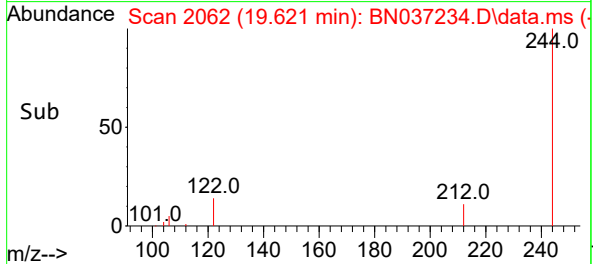
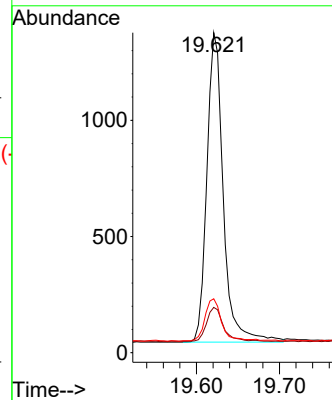
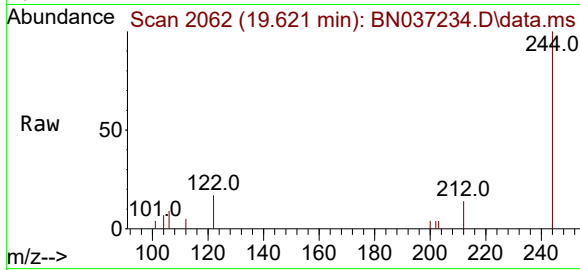




#31
Terphenyl-d14
Concen: 0.460 ng
RT: 19.621 min Scan# 2062
Delta R.T. -0.004 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

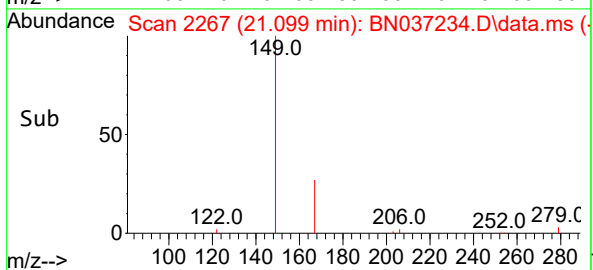
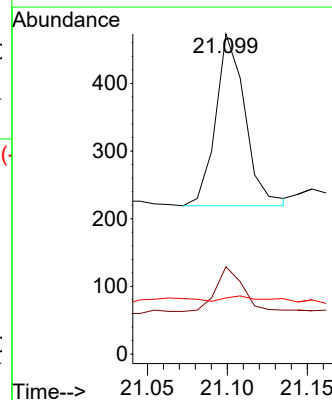
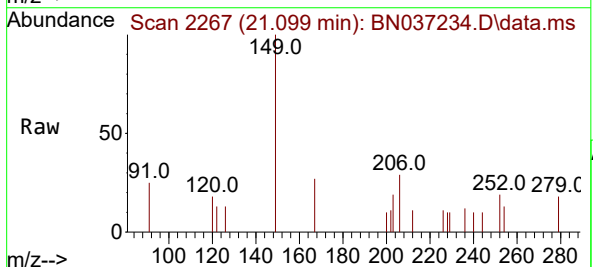
Instrument :
BNA_N
ClientSampleId :
OW-08B-72.5-060925

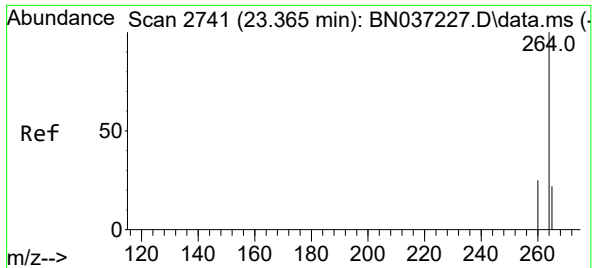
Tgt Ion:244	Resp:	1835
Ion	Ratio	Lower Upper
244	100	
212	14.2	12.2 18.2
122	16.8	14.3 21.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.099 min Scan# 2267
Delta R.T. -0.009 min
Lab File: BN037234.D
Acq: 13 Jun 2025 19:36

Tgt Ion:149	Resp:	325
Ion	Ratio	Lower Upper
149	100	
167	30.8	21.3 31.9
279	7.4	3.3 4.9





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.360 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037234.D

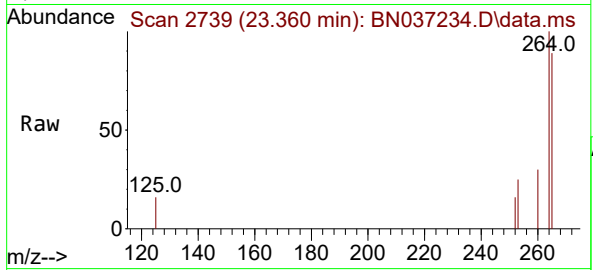
Acq: 13 Jun 2025 19:36

Instrument :

BNA_N

ClientSampleId :

OW-08B-72.5-060925



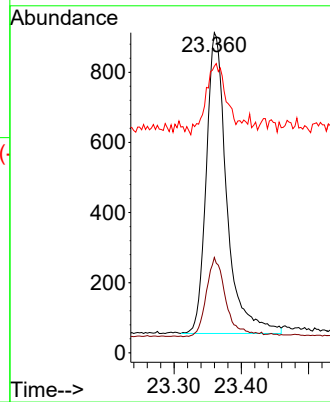
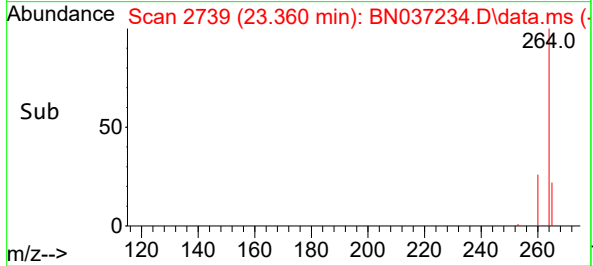
Tgt Ion:264 Resp: 1823

Ion Ratio Lower Upper

264 100

260 29.8 22.8 34.2

265 89.5 66.4 99.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
 Data File : BN037235.D
 Acq On : 13 Jun 2025 20:12
 Operator : RC/JU
 Sample : Q2275-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-060925

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 13 23:00:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 13 18:43:34 2025
 Response via : Initial Calibration

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

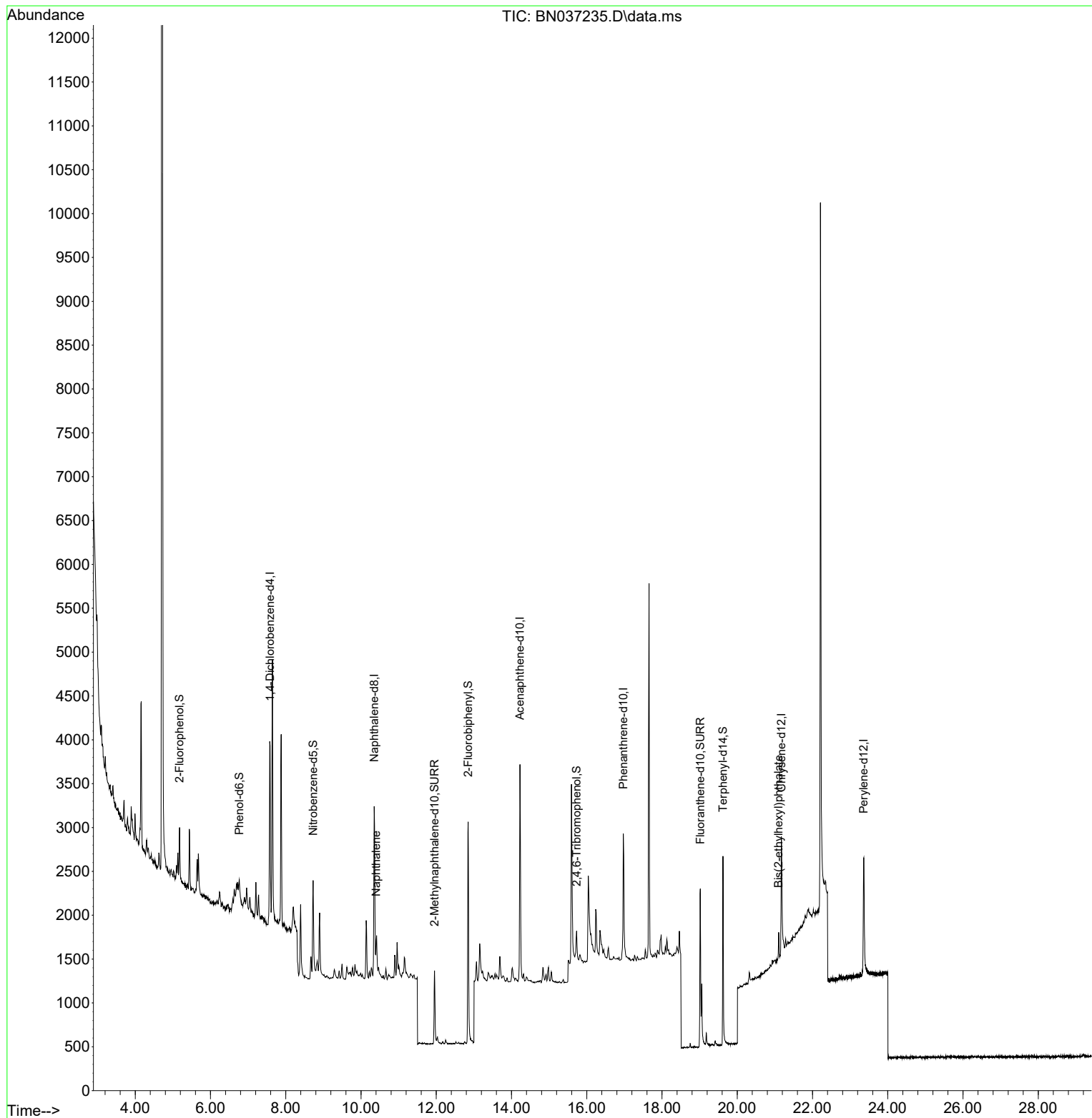
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	1109	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	2598	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1390	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2444	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1856	0.400	ng	# 0.00
35) Perylene-d12	23.360	264	1968	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	438	0.161	ng	0.00
5) Phenol-d6	6.766	99	254	0.088	ng	0.00
8) Nitrobenzene-d5	8.728	82	892	0.347	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	1251	0.359	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	219	0.379	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2466	0.422	ng	0.00
27) Fluoranthene-d10	19.017	212	2540	0.397	ng	0.00
31) Terphenyl-d14	19.621	244	2249	0.536	ng	0.00
Target Compounds						
9) Naphthalene	10.404	128	215	0.029	ng	# 44
34) Bis(2-ethylhexyl)phtha...	21.099	149	313	0.067	ng	# 96

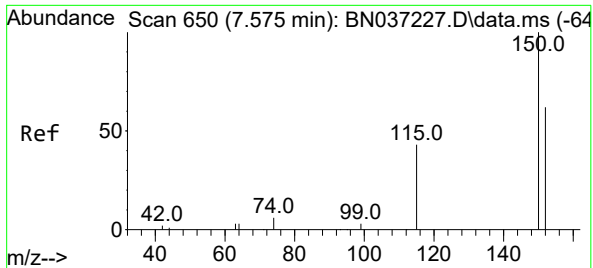
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037235.D
Acq On : 13 Jun 2025 20:12
Operator : RC/JU
Sample : Q2275-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EB01-060925

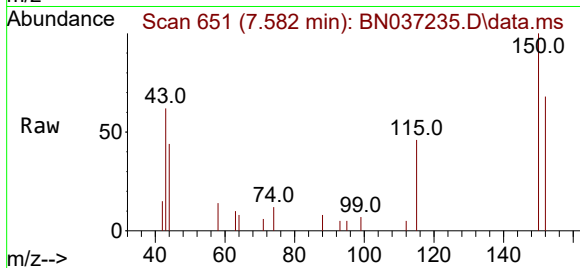
Quant Time: Jun 13 23:00:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration



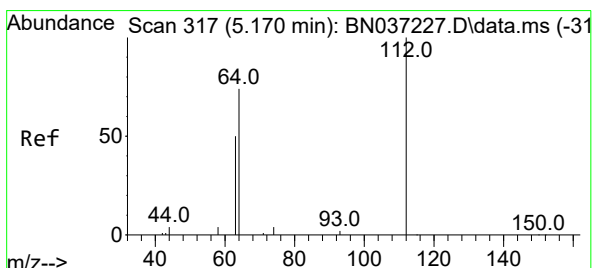
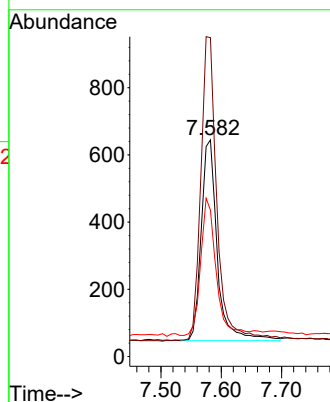
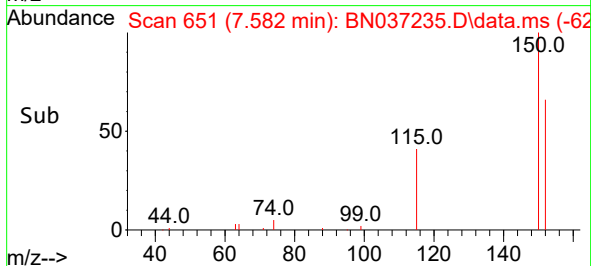


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

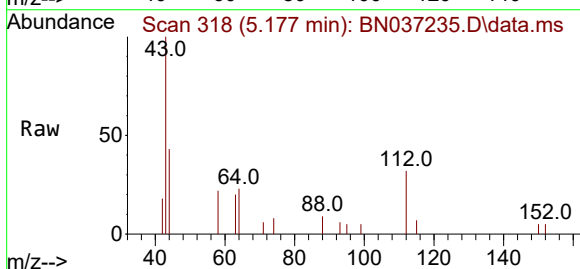
Instrument :
BNA_N
ClientSampleId :
EB01-060925



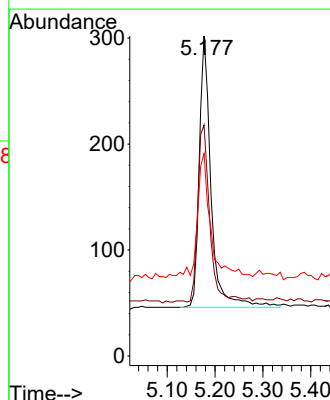
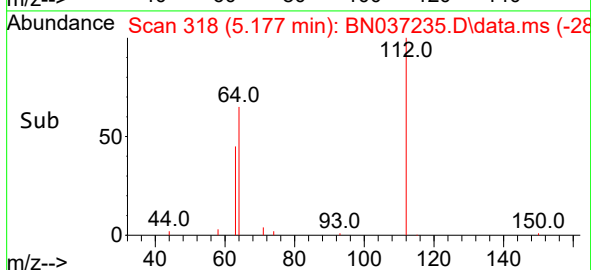
Tgt Ion:152 Resp: 1109
Ion Ratio Lower Upper
152 100
150 147.1 125.2 187.8
115 67.6 58.4 87.6

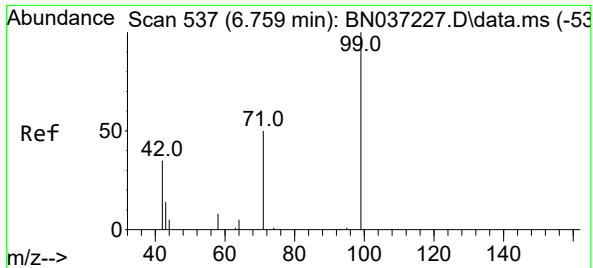


#4
2-Fluorophenol
Concen: 0.161 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12



Tgt Ion:112 Resp: 438
Ion Ratio Lower Upper
112 100
64 66.9 57.2 85.8
63 57.5 39.8 59.6

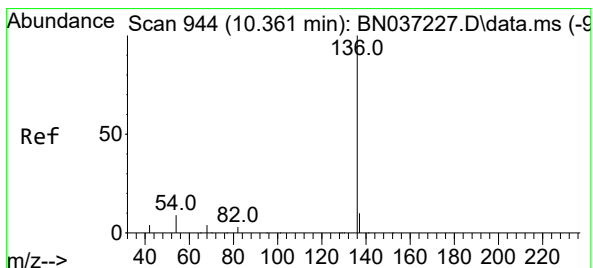
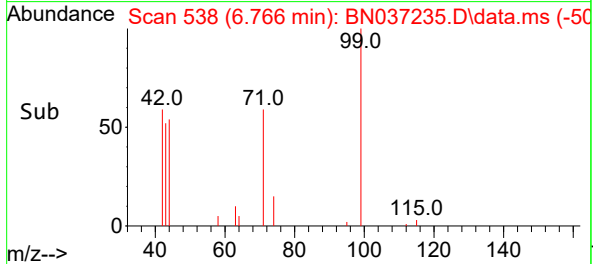
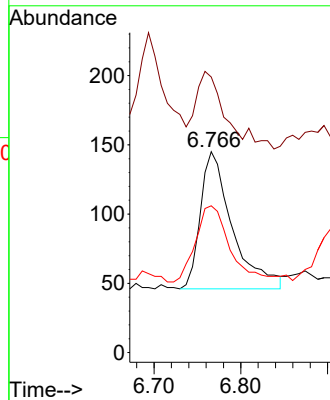
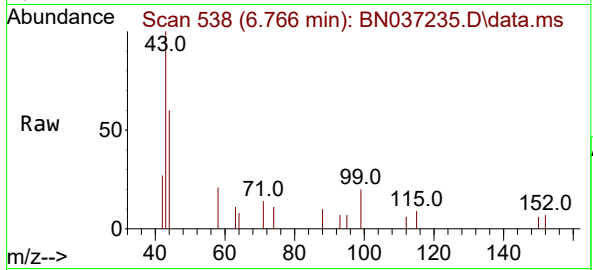




#5
Phenol-d6
Concen: 0.088 ng
RT: 6.766 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

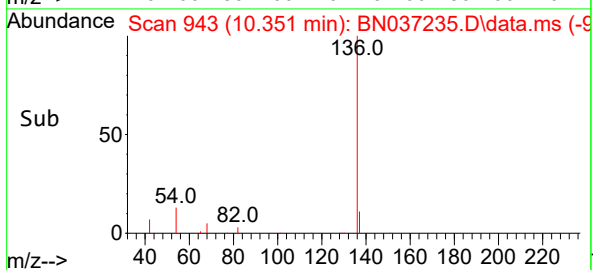
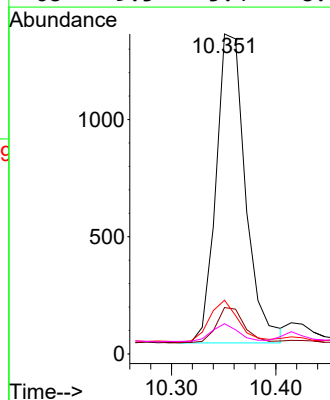
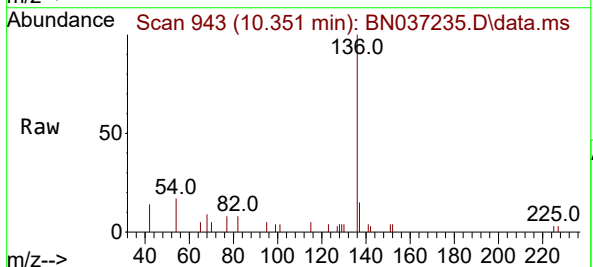
Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion: 99 Resp: 254
Ion Ratio Lower Upper
99 100
42 53.1 36.2 54.4
71 61.0 42.4 63.6

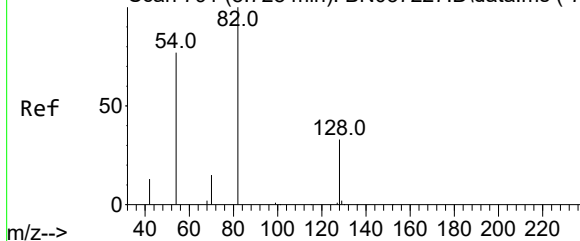


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 943
Delta R.T. -0.011 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion: 136 Resp: 2598
Ion Ratio Lower Upper
136 100
137 14.5 10.6 15.8
54 16.8 9.2 13.8#
68 9.5 5.4 8.0#



Abundance Scan 791 (8.728 min): BN037227.D\data.ms (-78



#8

Nitrobenzene-d5

Concen: 0.347 ng

RT: 8.728 min Scan# 791

Delta R.T. 0.000 min

Lab File: BN037235.D

Acq: 13 Jun 2025 20:12

Instrument :

BNA_N

ClientSampleId :

EB01-060925

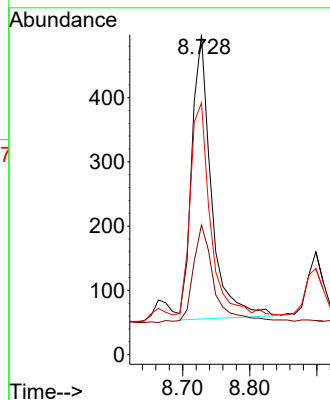
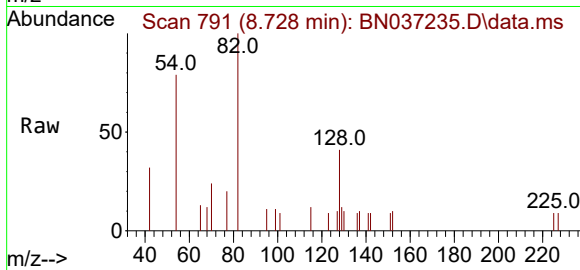
Tgt Ion: 82 Resp: 892

Ion Ratio Lower Upper

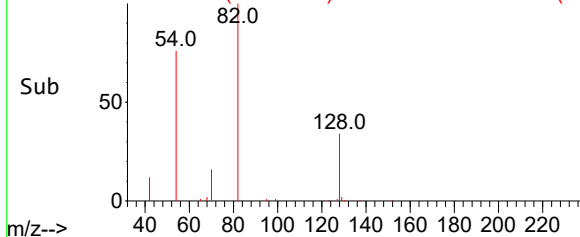
82 100

128 40.6 31.2 46.8

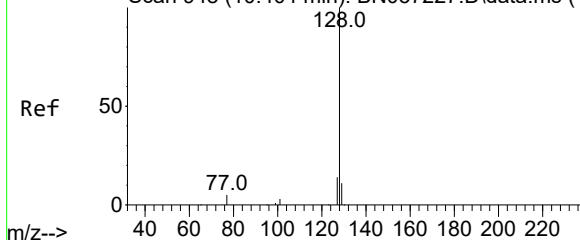
54 78.7 63.3 94.9



Abundance Scan 791 (8.728 min): BN037235.D\data.ms (-77



Abundance Scan 948 (10.404 min): BN037227.D\data.ms (-9



#9

Naphthalene

Concen: 0.029 ng

RT: 10.404 min Scan# 948

Delta R.T. -0.000 min

Lab File: BN037235.D

Acq: 13 Jun 2025 20:12

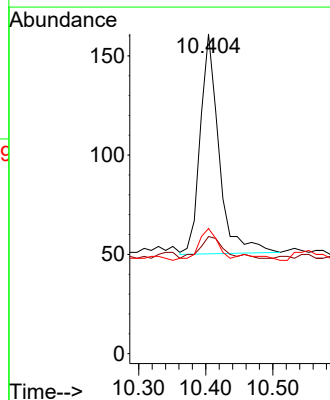
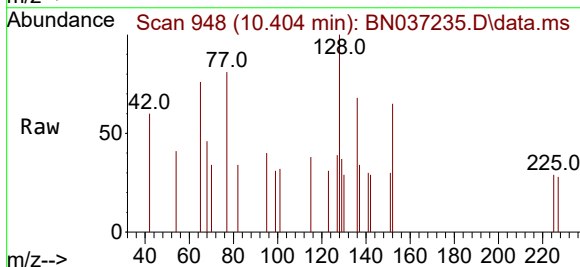
Tgt Ion: 128 Resp: 215

Ion Ratio Lower Upper

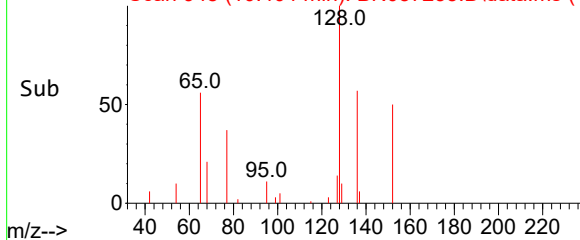
128 100

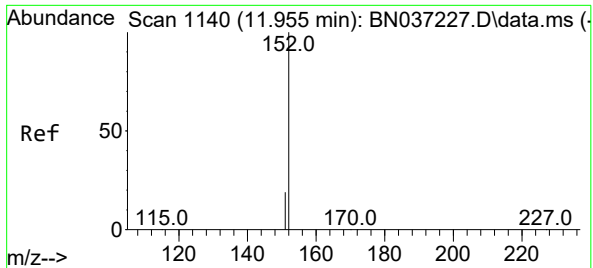
129 36.6 10.7 16.1#

127 39.1 12.6 19.0#



Abundance Scan 948 (10.404 min): BN037235.D\data.ms (-9

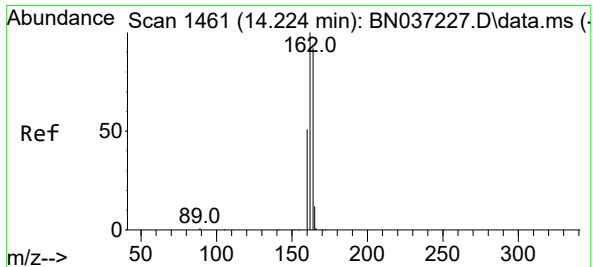
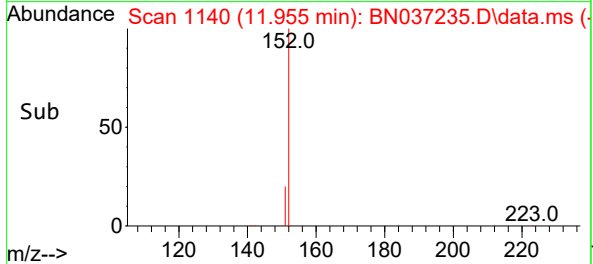
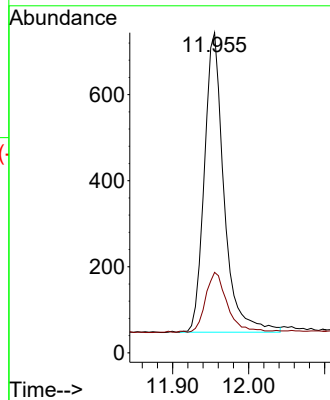
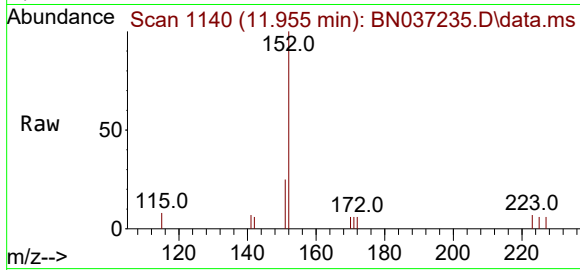




#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 11.955 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

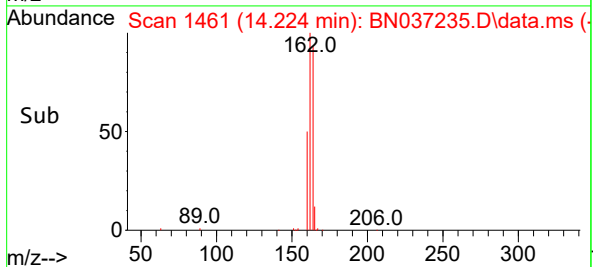
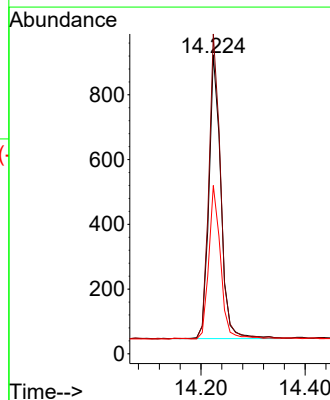
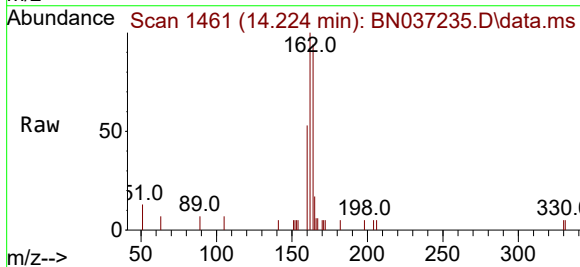
Instrument :
BNA_N
ClientSampleId :
EB01-060925

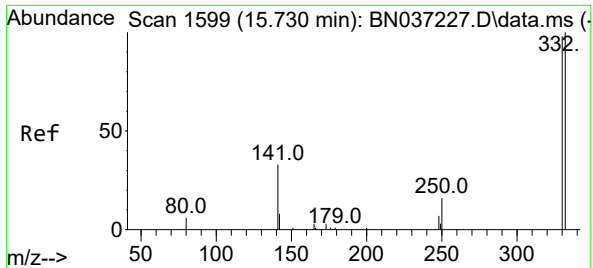
Tgt Ion:152 Resp: 1251
Ion Ratio Lower Upper
152 100
151 21.9 17.9 26.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:164 Resp: 1390
Ion Ratio Lower Upper
164 100
162 106.9 86.7 130.1
160 56.3 45.8 68.6





#14

2,4,6-Tribromophenol

Concen: 0.379 ng

RT: 15.730 min Scan# 1599

Delta R.T. 0.000 min

Lab File: BN037235.D

Acq: 13 Jun 2025 20:12

Instrument :

BNA_N

ClientSampleId :

EB01-060925

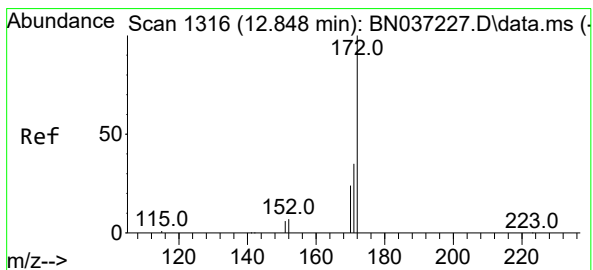
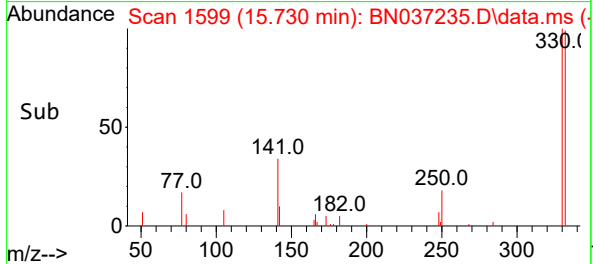
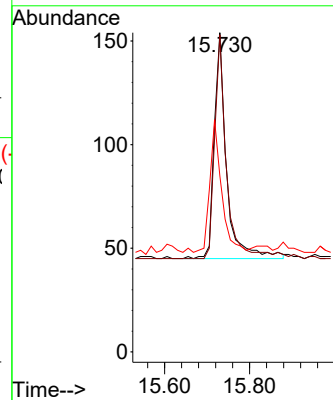
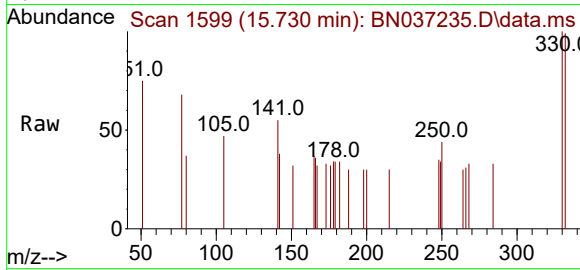
Tgt Ion:330 Resp: 219

Ion Ratio Lower Upper

330 100

332 95.4 74.9 112.3

141 55.7 45.1 67.7



#15

2-Fluorobiphenyl

Concen: 0.422 ng

RT: 12.848 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BN037235.D

Acq: 13 Jun 2025 20:12

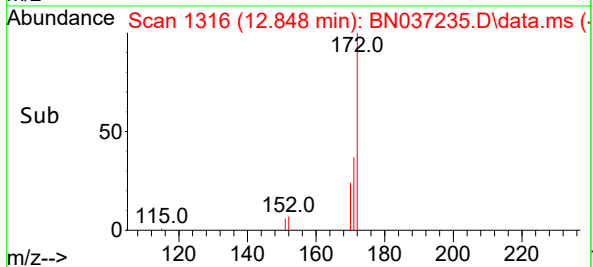
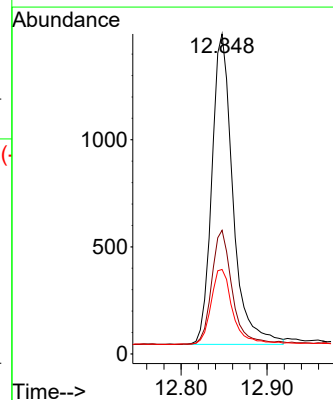
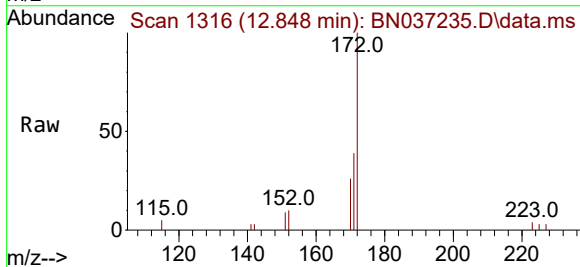
Tgt Ion:172 Resp: 2466

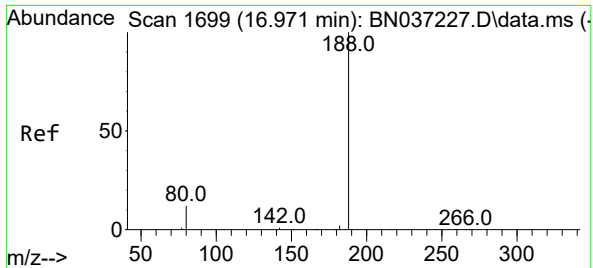
Ion Ratio Lower Upper

172 100

171 38.6 29.8 44.8

170 26.4 21.1 31.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.971 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BN037235.D

Acq: 13 Jun 2025 20:12

Instrument :

BNA_N

ClientSampleId :

EB01-060925

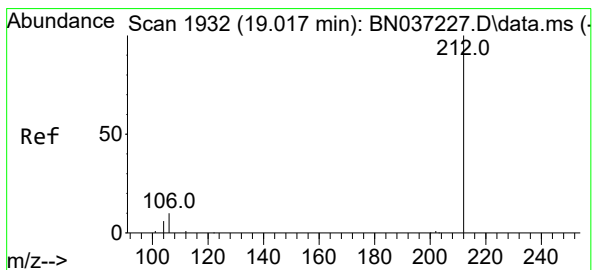
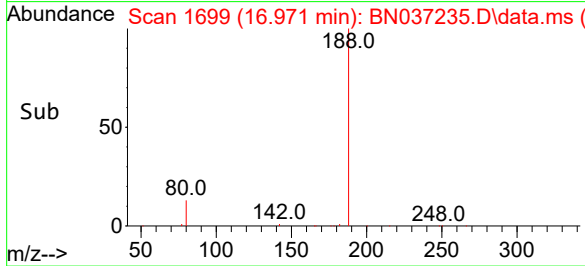
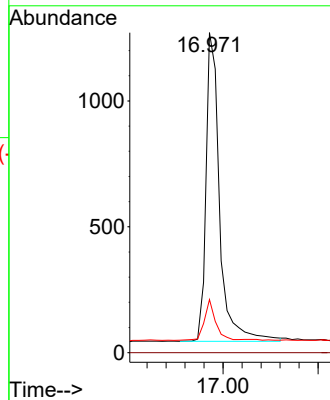
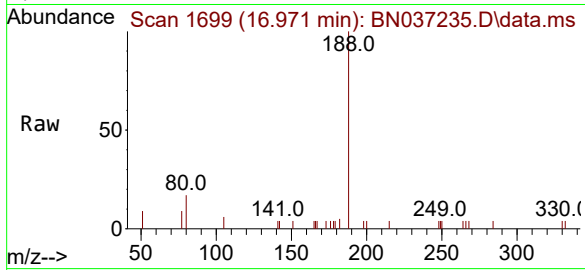
Tgt Ion:188 Resp: 2444

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.6 12.2 18.4



#27

Fluoranthene-d10

Concen: 0.397 ng

RT: 19.017 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BN037235.D

Acq: 13 Jun 2025 20:12

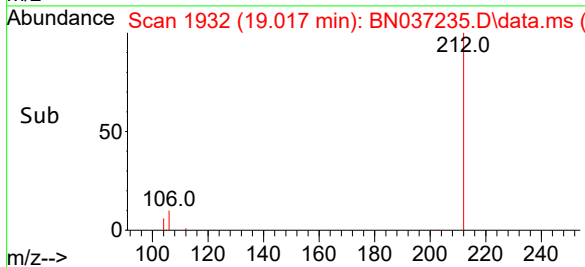
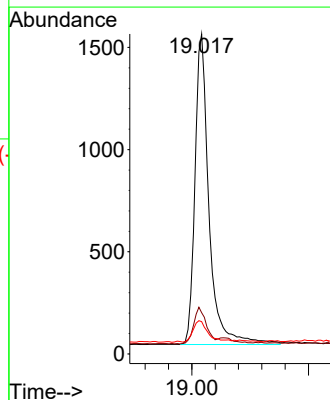
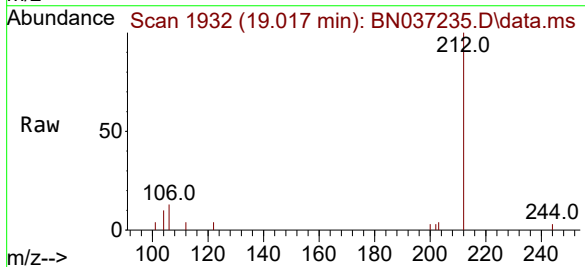
Tgt Ion:212 Resp: 2540

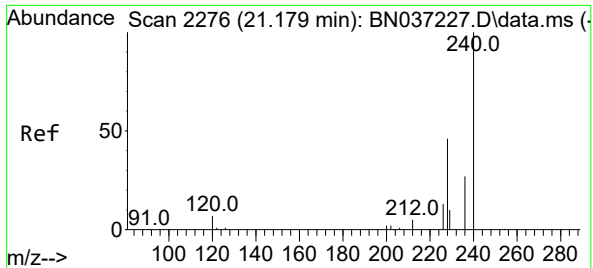
Ion Ratio Lower Upper

212 100

106 10.8 9.3 13.9

104 7.4 5.7 8.5

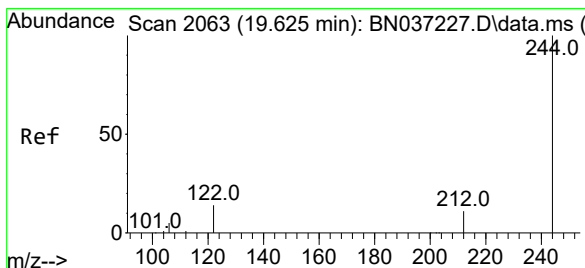
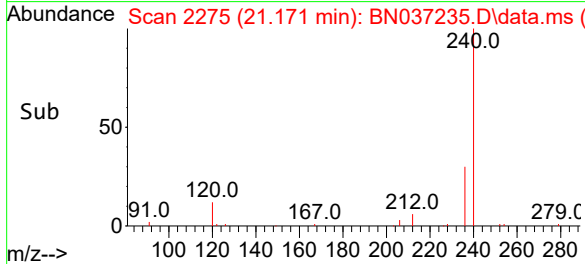
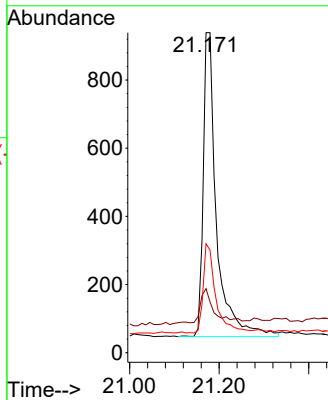
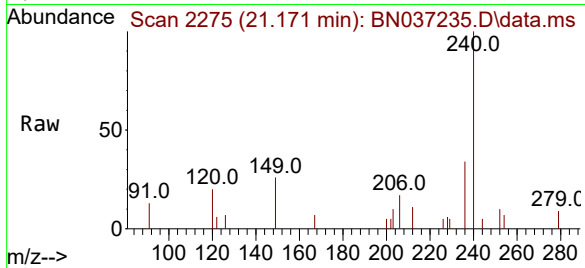




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2117
Delta R.T. -0.009 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

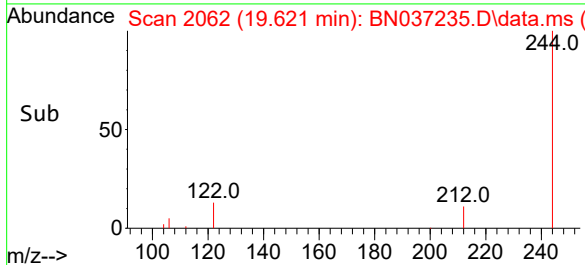
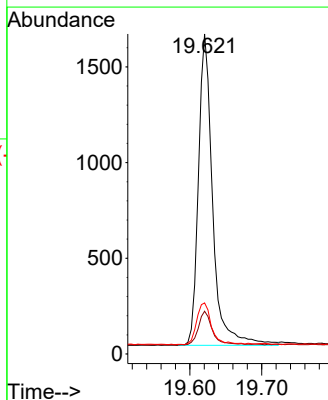
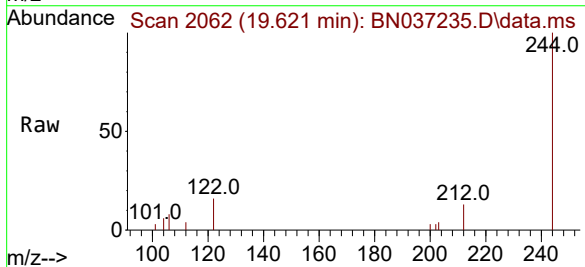
Instrument :
BNA_N
ClientSampleId :
EB01-060925

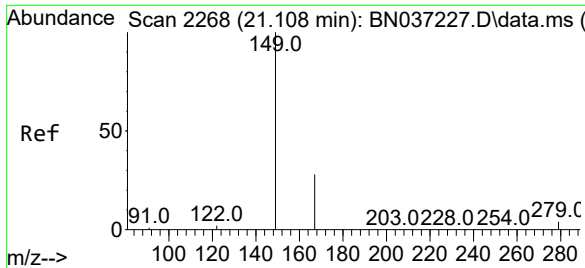
Tgt Ion:240 Resp: 1856
Ion Ratio Lower Upper
240 100
120 20.0 11.3 16.9#
236 34.1 24.4 36.6



#31
Terphenyl-d14
Concen: 0.536 ng
RT: 19.621 min Scan# 2062
Delta R.T. -0.005 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:244 Resp: 2249
Ion Ratio Lower Upper
244 100
212 13.3 12.2 18.2
122 16.0 14.3 21.5

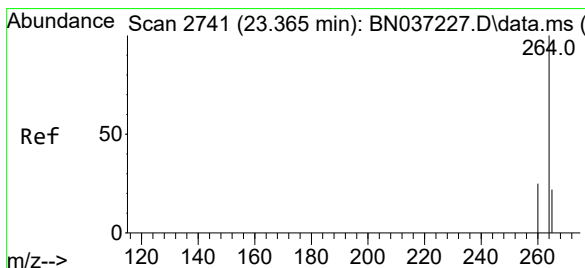
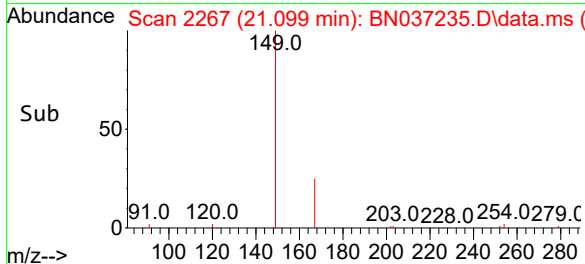
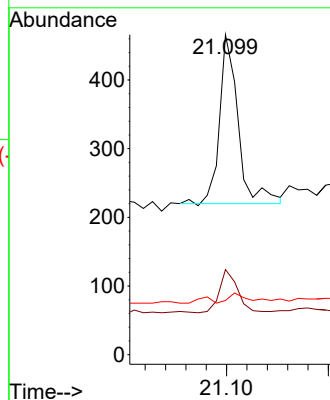
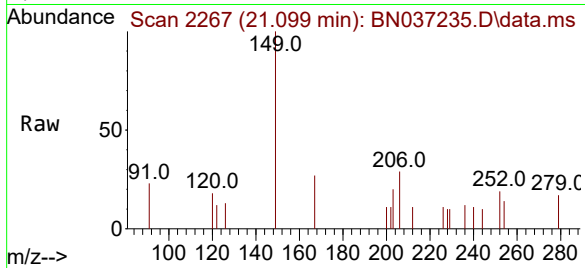




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.067 ng
RT: 21.099 min Scan# 2109
Delta R.T. -0.009 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

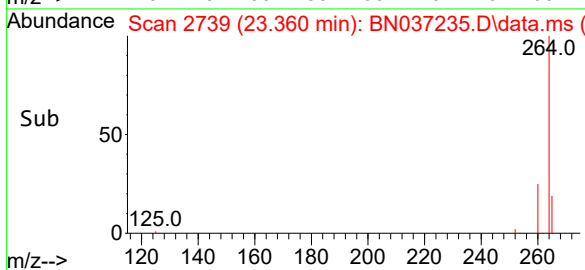
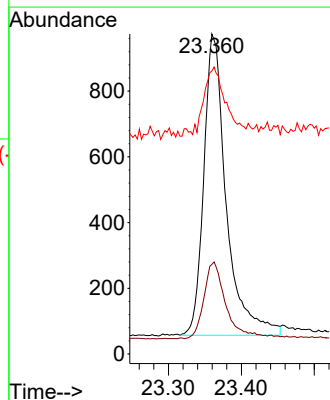
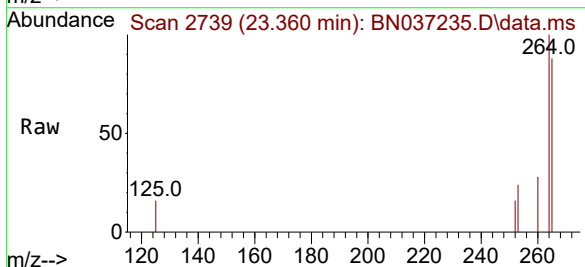
Instrument :
BNA_N
ClientSampleId :
EB01-060925

Tgt Ion:149 Resp: 313
Ion Ratio Lower Upper
149 100
167 24.9 21.3 31.9
279 7.0 3.3 4.9#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.360 min Scan# 2739
Delta R.T. -0.006 min
Lab File: BN037235.D
Acq: 13 Jun 2025 20:12

Tgt Ion:264 Resp: 1968
Ion Ratio Lower Upper
264 100
260 28.0 22.8 34.2
265 88.4 66.4 99.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037233.D
Acq On : 13 Jun 2025 19:00
Operator : RC/JU
Sample : PB168391BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BL

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 13 22:59:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.582	152	1036	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	2301	0.400	ng	# 0.01
13) Acenaphthene-d10	14.234	164	1224	0.400	ng	0.01
19) Phenanthrene-d10	16.996	188	1841	0.400	ng	0.02
29) Chrysene-d12	21.180	240	1578	0.400	ng	# 0.00
35) Perylene-d12	23.368	264	1599	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	932	0.366	ng	0.00
5) Phenol-d6	6.773	99	734	0.274	ng	0.01
8) Nitrobenzene-d5	8.760	82	585	0.257	ng	0.03
11) 2-Methylnaphthalene-d10	11.976	152	997	0.323	ng	0.02
14) 2,4,6-Tribromophenol	15.755	330	98	0.193	ng	0.02
15) 2-Fluorobiphenyl	12.868	172	1426	0.277	ng	0.02
27) Fluoranthene-d10	19.021	212	1981	0.411	ng	0.00
31) Terphenyl-d14	19.630	244	1248	0.350	ng	0.00

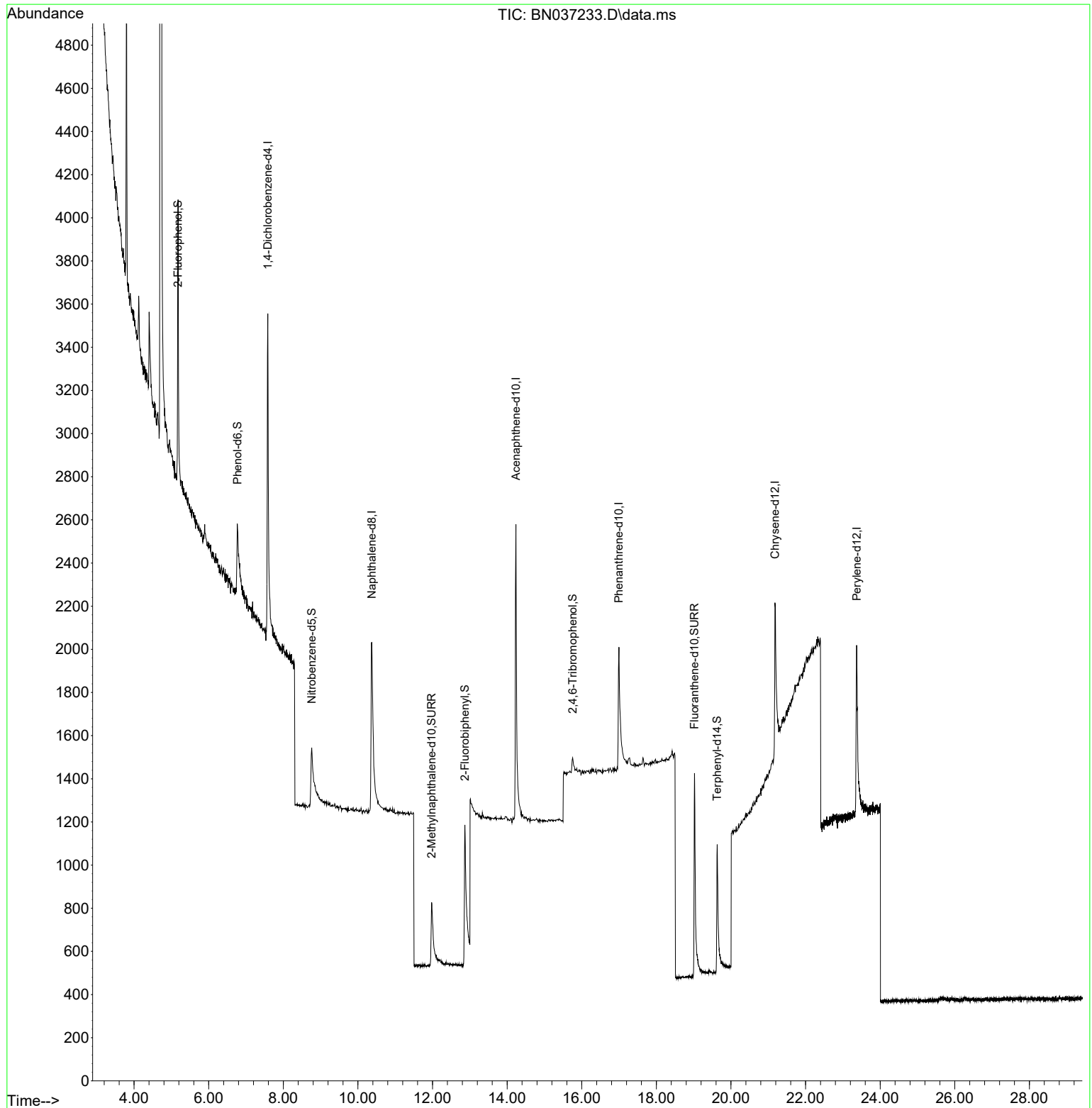
Target Compounds	Qvalue

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

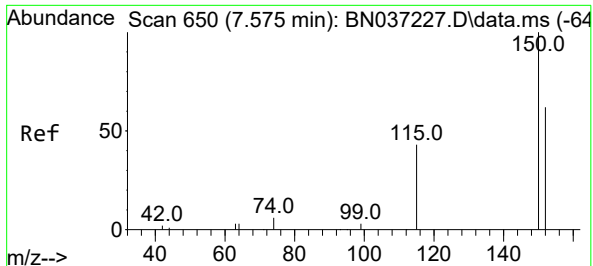
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
Data File : BN037233.D
Acq On : 13 Jun 2025 19:00
Operator : RC/JU
Sample : PB168391BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168391BL

Quant Time: Jun 13 22:59:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 13 18:43:34 2025
Response via : Initial Calibration

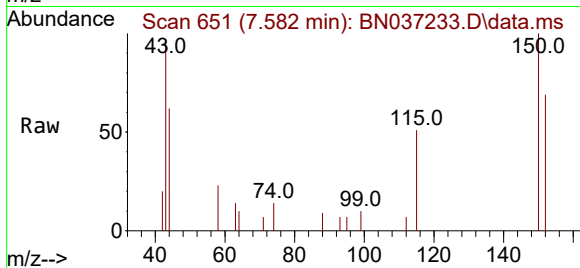


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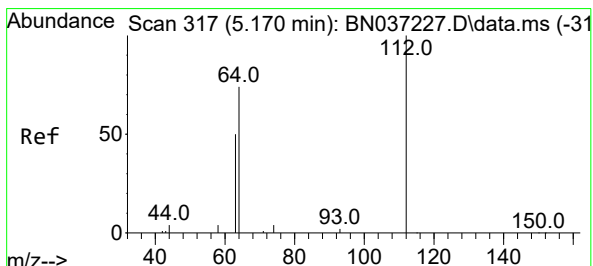
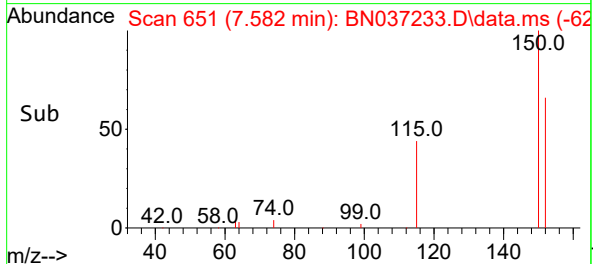
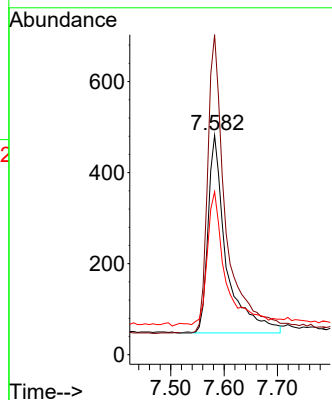


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.582 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Instrument :
BNA_N
ClientSampleId :
PB168391BL

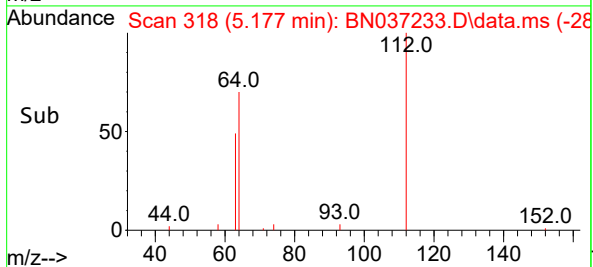
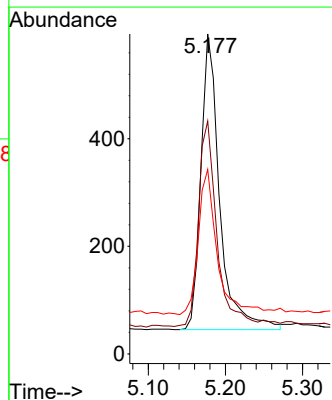
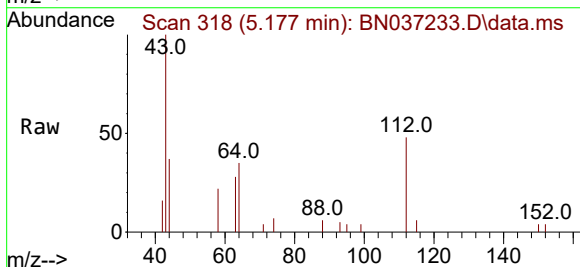


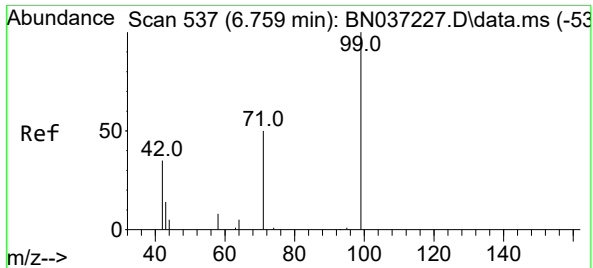
Tgt Ion:152 Resp: 1036
Ion Ratio Lower Upper
152 100
150 145.9 125.2 187.8
115 74.3 58.4 87.6



#4
2-Fluorophenol
Concen: 0.366 ng
RT: 5.177 min Scan# 318
Delta R.T. 0.007 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:112 Resp: 932
Ion Ratio Lower Upper
112 100
64 67.5 57.2 85.8
63 48.2 39.8 59.6

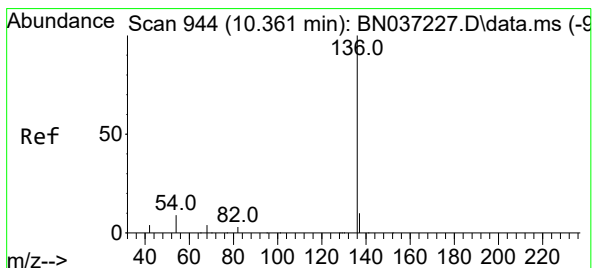
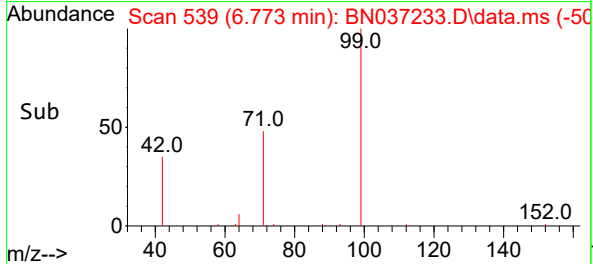
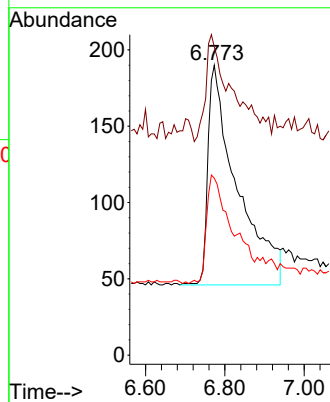
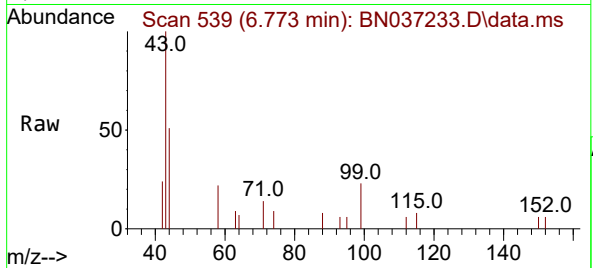




#5
Phenol-d6
Concen: 0.274 ng
RT: 6.773 min Scan# 51
Delta R.T. 0.015 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

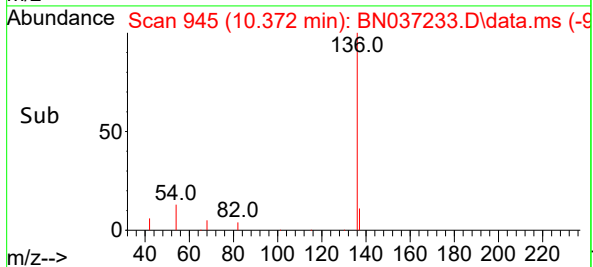
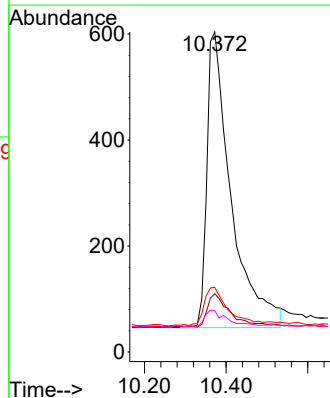
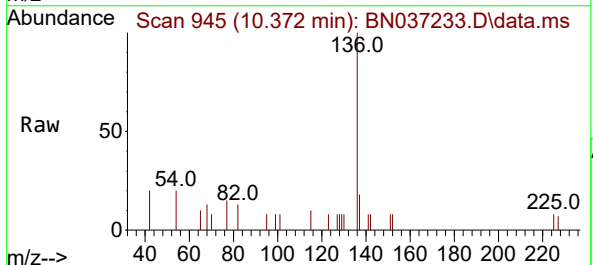
Instrument :
BNA_N
ClientSampleId :
PB168391BL

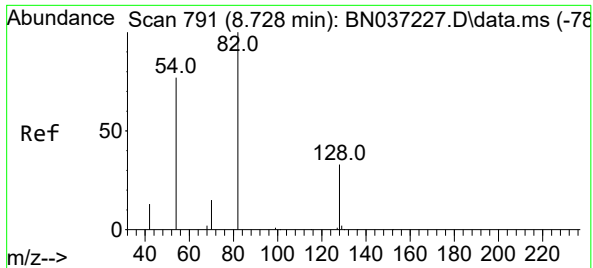
Tgt Ion	Ratio	Lower	Upper
99	100		
42	25.2	36.2	54.4#
71	43.9	42.4	63.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. 0.011 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	18.2	10.6	15.8#
54	20.2	9.2	13.8#
68	12.9	5.4	8.0#

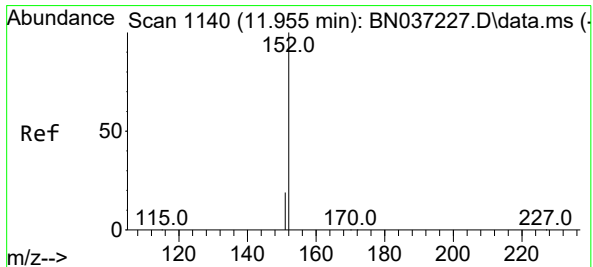
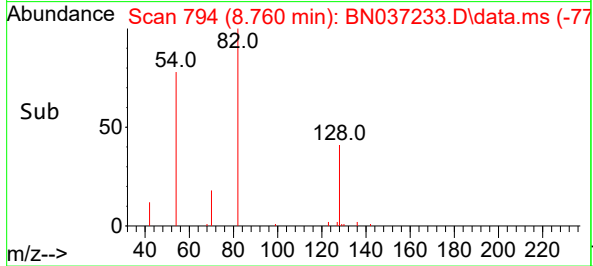
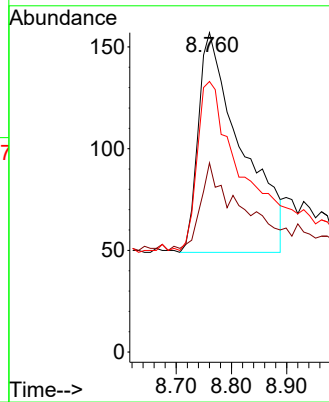
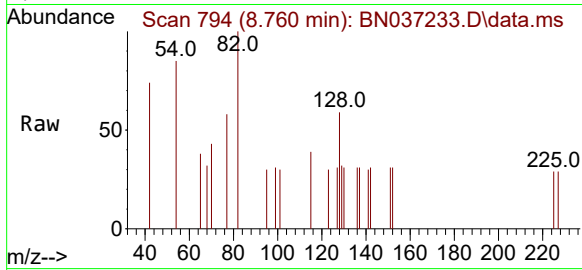




#8
Nitrobenzene-d5
Concen: 0.257 ng
RT: 8.760 min Scan# 791
Delta R.T. 0.032 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

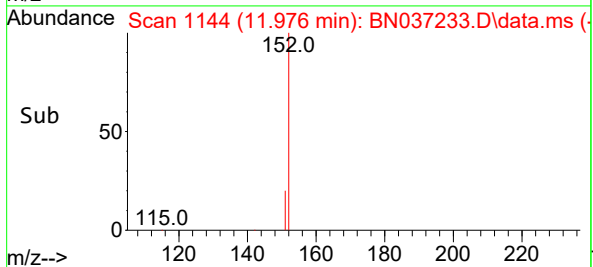
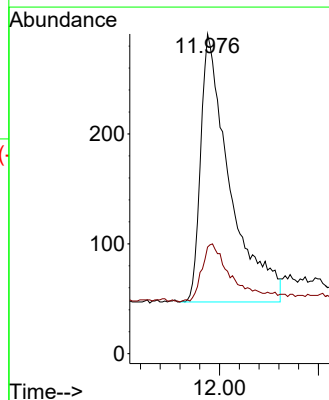
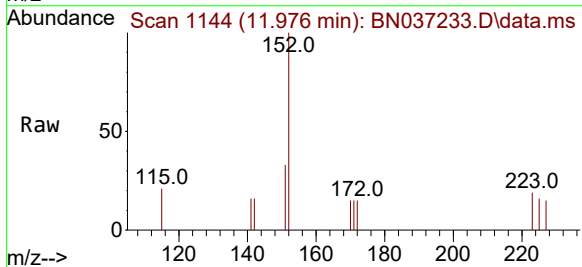
Instrument :
BNA_N
ClientSampleId :
PB168391BL

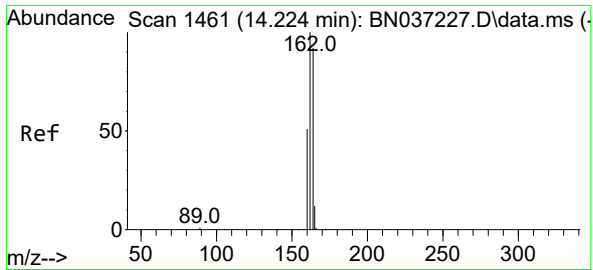
Tgt Ion	Ratio	Lower	Upper
82	100		
128	59.2	31.2	46.8
54	84.7	63.3	94.9



#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 11.976 min Scan# 1144
Delta R.T. 0.020 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.9	26.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.234 min Scan# 1461

Delta R.T. 0.011 min

Lab File: BN037233.D

Acq: 13 Jun 2025 19:00

Instrument :

BNA_N

ClientSampleId :

PB168391BL

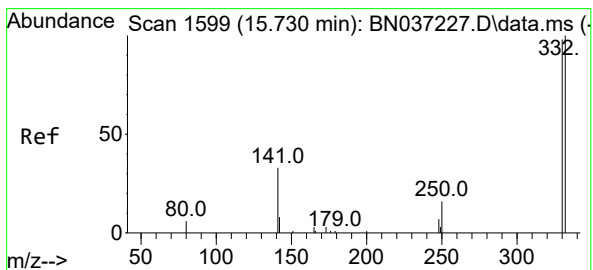
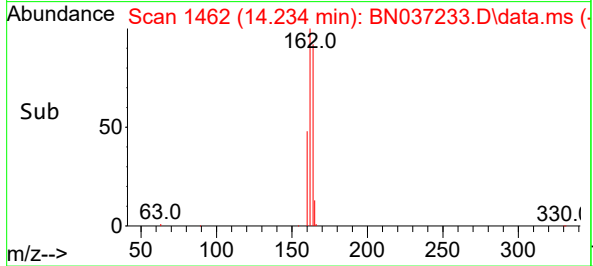
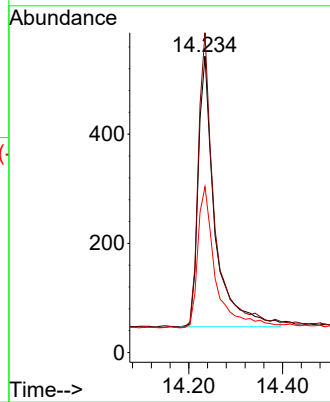
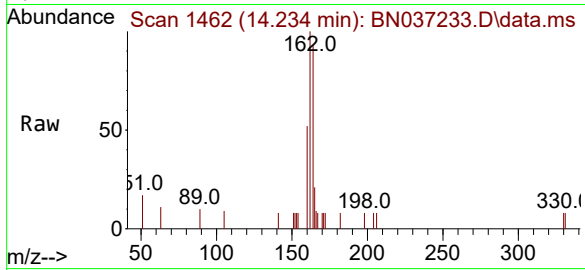
Tgt Ion:164 Resp: 1224

Ion Ratio Lower Upper

164 100

162 107.9 86.7 130.1

160 56.0 45.8 68.6



#14

2,4,6-Tribromophenol

Concen: 0.193 ng

RT: 15.755 min Scan# 1601

Delta R.T. 0.025 min

Lab File: BN037233.D

Acq: 13 Jun 2025 19:00

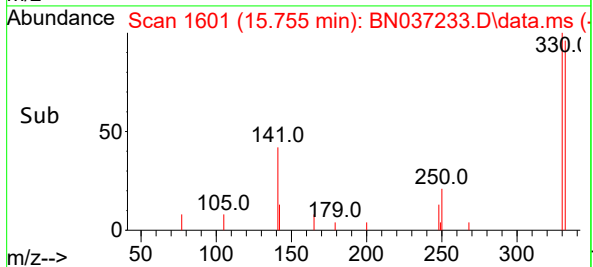
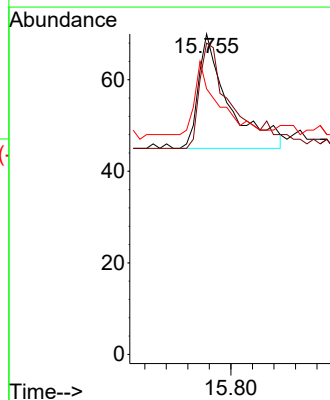
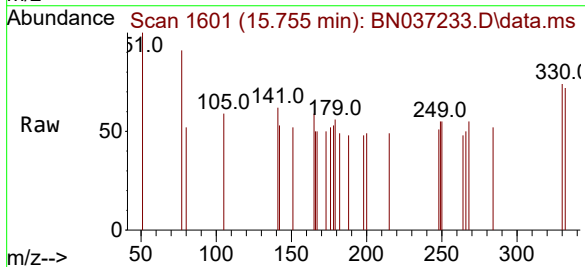
Tgt Ion:330 Resp: 98

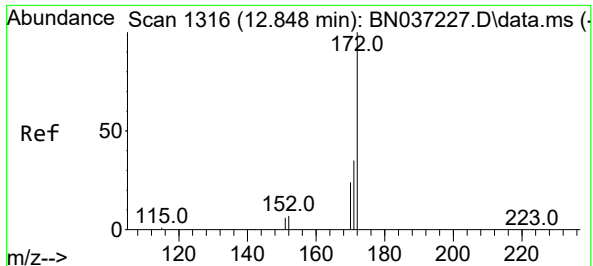
Ion Ratio Lower Upper

330 100

332 94.9 74.9 112.3

141 50.0 45.1 67.7





#15

2-Fluorobiphenyl

Concen: 0.277 ng

RT: 12.868 min Scan# 11

Delta R.T. 0.020 min

Lab File: BN037233.D

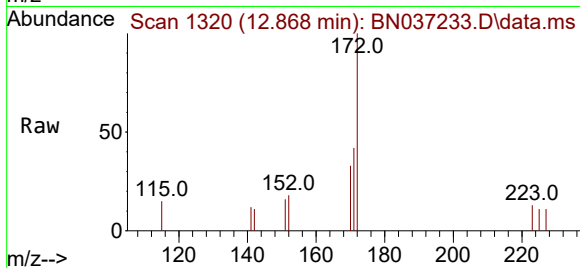
Acq: 13 Jun 2025 19:00

Instrument :

BNA_N

ClientSampleId :

PB168391BL



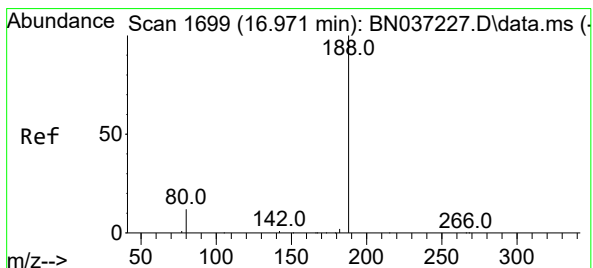
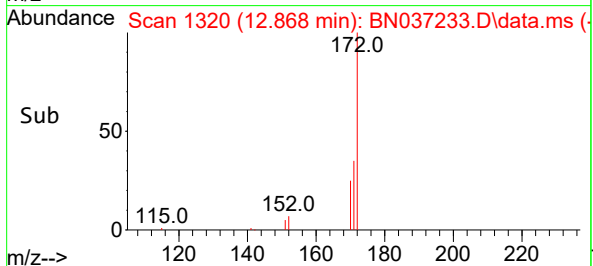
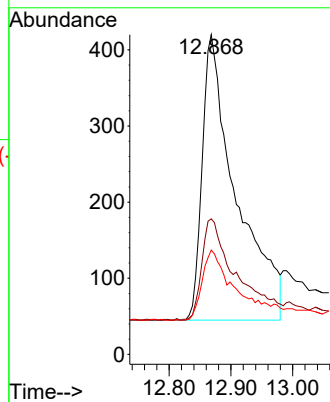
Tgt Ion:172 Resp: 1426

Ion Ratio Lower Upper

172 100

171 42.4 29.8 44.8

170 32.6 21.1 31.7#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.996 min Scan# 1701

Delta R.T. 0.025 min

Lab File: BN037233.D

Acq: 13 Jun 2025 19:00

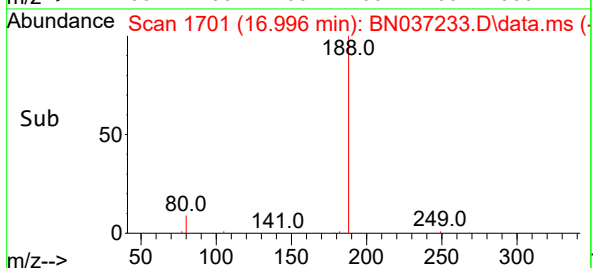
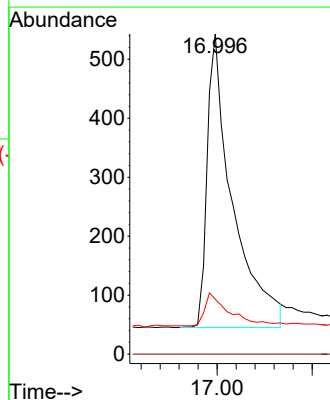
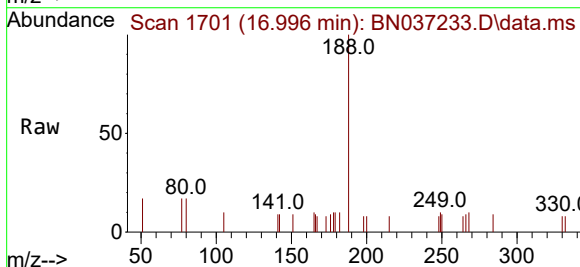
Tgt Ion:188 Resp: 1841

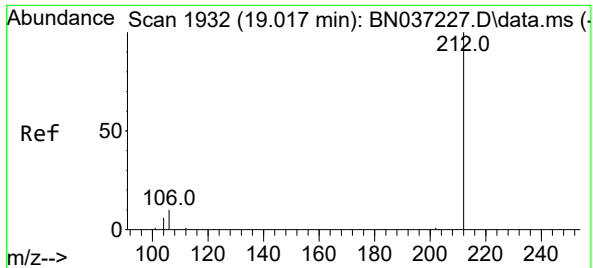
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.1 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.411 ng

RT: 19.021 min Scan# 1932

Delta R.T. 0.005 min

Lab File: BN037233.D

Acq: 13 Jun 2025 19:00

Instrument :

BNA_N

ClientSampleId :

PB168391BL

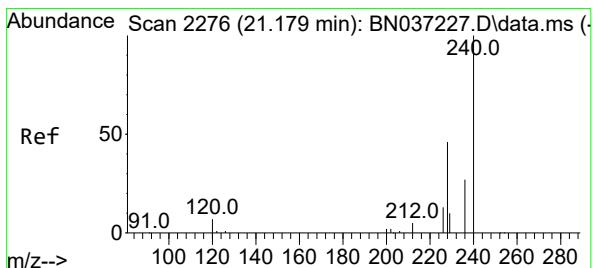
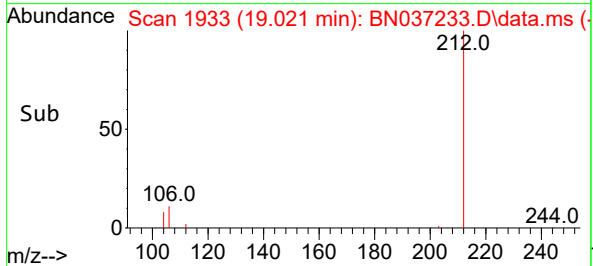
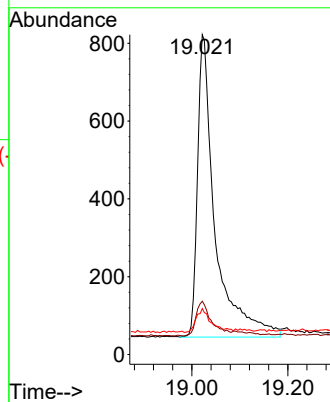
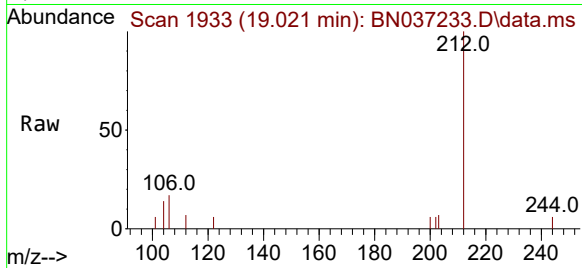
Tgt Ion:212 Resp: 1981

Ion Ratio Lower Upper

212 100

106 10.0 9.3 13.9

104 6.4 5.7 8.5



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 2276

Delta R.T. 0.000 min

Lab File: BN037233.D

Acq: 13 Jun 2025 19:00

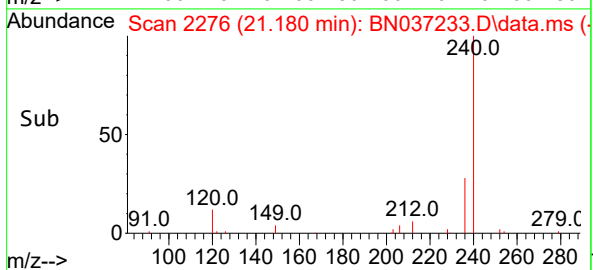
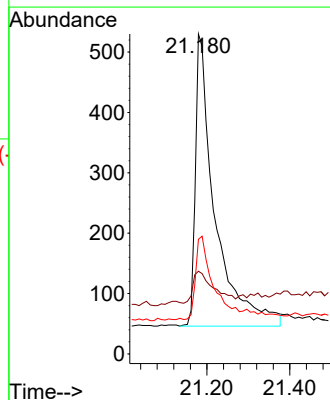
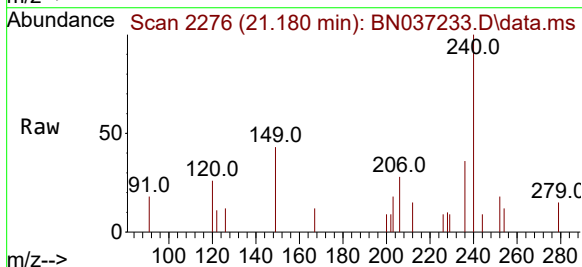
Tgt Ion:240 Resp: 1578

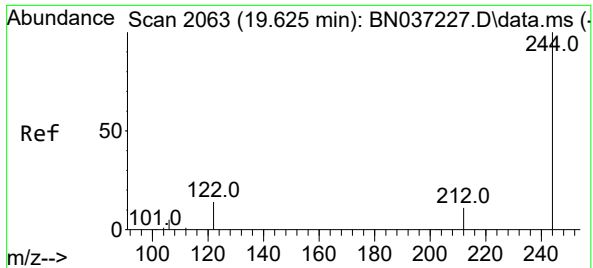
Ion Ratio Lower Upper

240 100

120 25.8 11.3 16.9

236 35.8 24.4 36.6

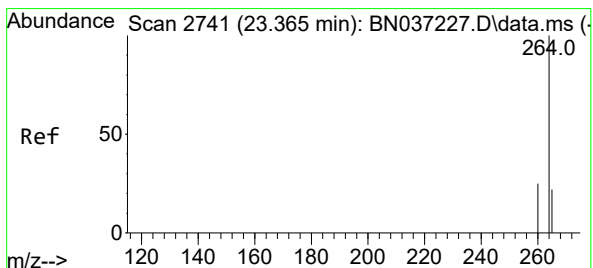
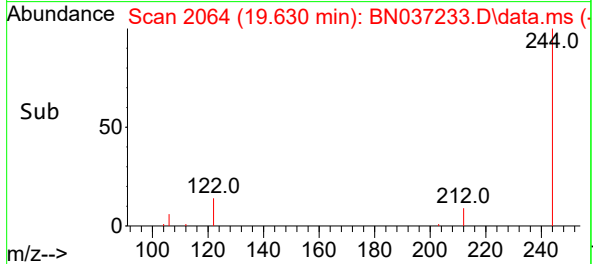
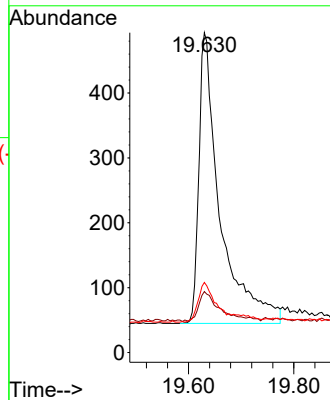
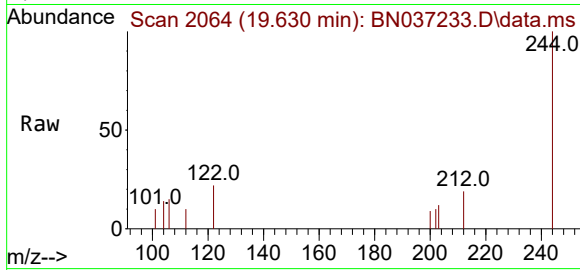




#31
Terphenyl-d14
Concen: 0.350 ng
RT: 19.630 min Scan# 2064
Delta R.T. 0.005 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

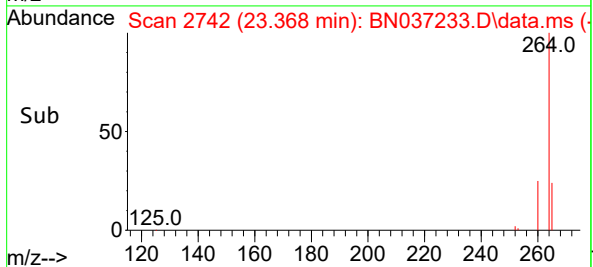
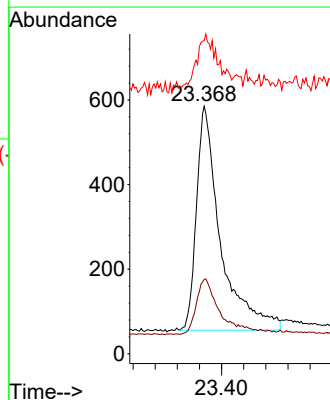
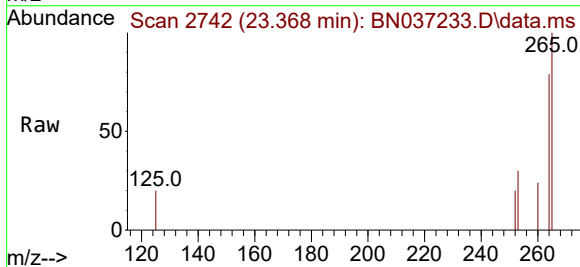
Instrument :
BNA_N
ClientSampleId :
PB168391BL

Tgt Ion:244 Resp: 1248
Ion Ratio Lower Upper
244 100
212 19.1 12.2 18.2#
122 21.9 14.3 21.5#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.368 min Scan# 2742
Delta R.T. 0.003 min
Lab File: BN037233.D
Acq: 13 Jun 2025 19:00

Tgt Ion:264 Resp: 1599
Ion Ratio Lower Upper
264 100
260 30.1 22.8 34.2
265 126.5 66.4 99.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
 Data File : BN037236.D
 Acq On : 13 Jun 2025 20:49
 Operator : RC/JU
 Sample : PB168391BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168391BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
 Supervised By :Jagrut Upadhyay 06/16/2025

Quant Time: Jun 13 23:00:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 13 18:43:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	1477	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	3518	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1759	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2958	0.400	ng	0.00
29) Chrysene-d12	21.171	240	2090	0.400	ng	# 0.00
35) Perylene-d12	23.363	264	1978	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	1185	0.327	ng	0.00
5) Phenol-d6	6.759	99	1317	0.344	ng	0.00
8) Nitrobenzene-d5	8.728	82	1257	0.362	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	1832m	0.388	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	226	0.309	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2730	0.369	ng	0.00
27) Fluoranthene-d10	19.017	212	2623	0.339	ng	0.00
31) Terphenyl-d14	19.625	244	1755	0.371	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	796	0.393	ng	# 43
3) n-Nitrosodimethylamine	3.415	42	1681	0.364	ng	# 98
6) bis(2-Chloroethyl)ether	7.012	93	1244	0.363	ng	94
9) Naphthalene	10.404	128	3505	0.344	ng	98
10) Hexachlorobutadiene	10.693	225	890	0.359	ng	# 97
12) 2-Methylnaphthalene	12.031	142	1932	0.312	ng	98
16) Acenaphthylene	13.946	152	3185	0.370	ng	98
17) Acenaphthene	14.288	154	1906	0.343	ng	99
18) Fluorene	15.282	166	2411	0.337	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	219	0.399	ng	89
21) 4-Bromophenyl-phenylether	16.177	248	702	0.364	ng	96
22) Hexachlorobenzene	16.289	284	839	0.375	ng	98
23) Atrazine	16.450	200	638	0.371	ng	# 91
24) Pentachlorophenol	16.636	266	229	0.209	ng	95
25) Phenanthrene	17.021	178	3397	0.362	ng	99
26) Anthracene	17.108	178	3155	0.367	ng	99
28) Fluoranthene	19.045	202	3664	0.334	ng	99
30) Pyrene	19.412	202	3754	0.382	ng	100
32) Benzo(a)anthracene	21.162	228	2669	0.378	ng	99
33) Chrysene	21.206	228	3248	0.369	ng	100
34) Bis(2-ethylhexyl)phtha...	21.099	149	2029	0.386	ng	98
36) Indeno(1,2,3-cd)pyrene	25.552	276	3030	0.380	ng	99
37) Benzo(b)fluoranthene	22.708	252	2546	0.352	ng	95
38) Benzo(k)fluoranthene	22.754	252	3130	0.375	ng	97
39) Benzo(a)pyrene	23.269	252	2538	0.390	ng	96
40) Dibenzo(a,h)anthracene	25.570	278	2336	0.385	ng	100
41) Benzo(g,h,i)perylene	26.219	276	2629	0.355	ng	95

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

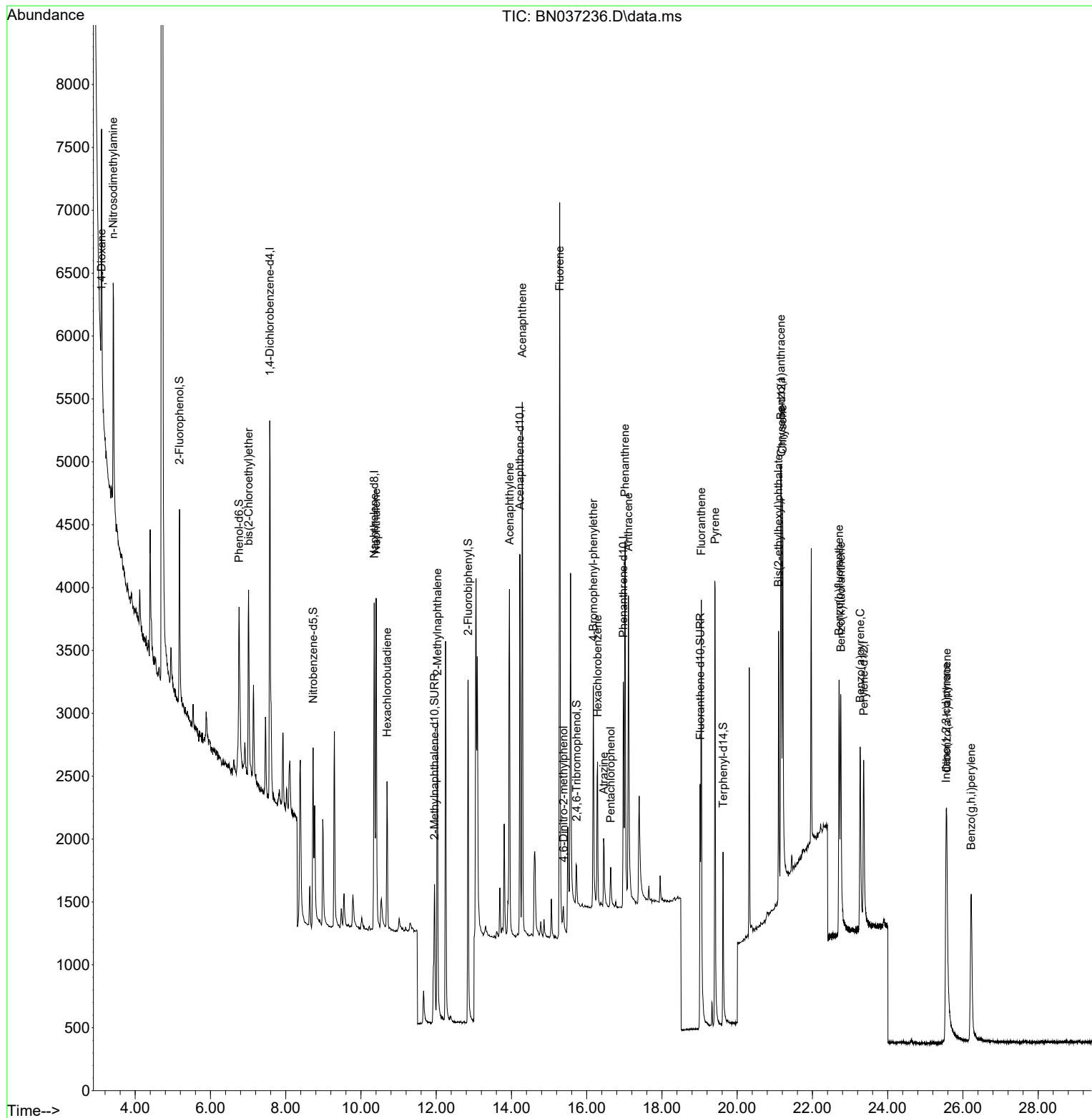
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
 Data File : BN037236.D
 Acq On : 13 Jun 2025 20:49
 Operator : RC/JU
 Sample : PB168391BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168391BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
 Supervised By :Jagrut Upadhyay 06/16/2025

Quant Time: Jun 13 23:00:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 13 18:43:34 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
 Data File : BN037237.D
 Acq On : 13 Jun 2025 21:25
 Operator : RC/JU
 Sample : PB168391BSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168391BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
 Supervised By :Jagrut Upadhyay 06/16/2025

Quant Time: Jun 13 23:00:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 13 18:43:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	1340	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	3197	0.400	ng	#-0.01
13) Acenaphthene-d10	14.224	164	1517	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	2544	0.400	ng	0.00
29) Chrysene-d12	21.171	240	1864	0.400	ng	# 0.00
35) Perylene-d12	23.363	264	1823	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	1074	0.326	ng	0.00
5) Phenol-d6	6.759	99	1133	0.327	ng	0.00
8) Nitrobenzene-d5	8.728	82	1094	0.346	ng	0.00
11) 2-Methylnaphthalene-d10	11.955	152	1567m	0.365	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	191	0.303	ng	0.00
15) 2-Fluorobiphenyl	12.848	172	2414	0.379	ng	0.00
27) Fluoranthene-d10	19.017	212	2260	0.340	ng	0.00
31) Terphenyl-d14	19.625	244	1545	0.367	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.104	88	767	0.417	ng	# 39
3) n-Nitrosodimethylamine	3.415	42	1445	0.345	ng	# 98
6) bis(2-Chloroethyl)ether	7.012	93	1087	0.350	ng	95
9) Naphthalene	10.404	128	3142	0.339	ng	100
10) Hexachlorobutadiene	10.693	225	809	0.359	ng	# 96
12) 2-Methylnaphthalene	12.026	142	1733	0.308	ng	98
16) Acenaphthylene	13.946	152	2835	0.381	ng	98
17) Acenaphthene	14.288	154	1676	0.349	ng	99
18) Fluorene	15.282	166	2139	0.347	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	183	0.391	ng	89
21) 4-Bromophenyl-phenylether	16.177	248	601	0.363	ng	97
22) Hexachlorobenzene	16.289	284	730	0.380	ng	98
23) Atrazine	16.462	200	554	0.375	ng	95
24) Pentachlorophenol	16.636	266	179	0.190	ng	96
25) Phenanthrene	17.021	178	2878	0.357	ng	99
26) Anthracene	17.108	178	2707	0.366	ng	99
28) Fluoranthene	19.045	202	3075	0.326	ng	99
30) Pyrene	19.407	202	3164	0.361	ng	99
32) Benzo(a)anthracene	21.162	228	2335	0.371	ng	100
33) Chrysene	21.206	228	2859	0.365	ng	98
34) Bis(2-ethylhexyl)phtha...	21.099	149	1653	0.353	ng	# 99
36) Indeno(1,2,3-cd)pyrene	25.552	276	2941	0.400	ng	99
37) Benzo(b)fluoranthene	22.708	252	2370	0.355	ng	95
38) Benzo(k)fluoranthene	22.752	252	2685	0.349	ng	96
39) Benzo(a)pyrene	23.272	252	2338	0.390	ng	# 93
40) Dibenzo(a,h)anthracene	25.570	278	2093	0.374	ng	98
41) Benzo(g,h,i)perylene	26.216	276	2507	0.368	ng	97

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

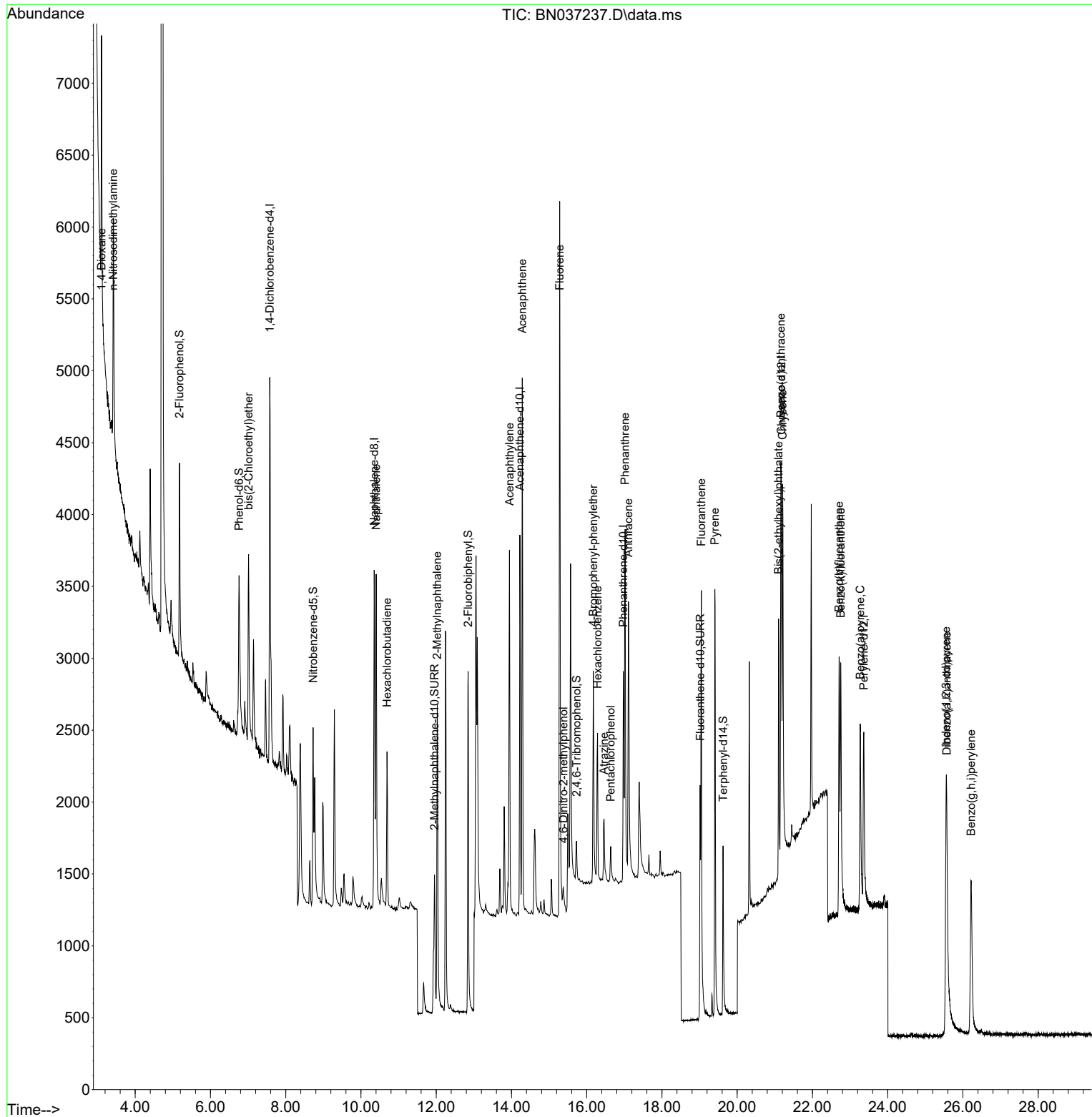
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061325\
 Data File : BN037237.D
 Acq On : 13 Jun 2025 21:25
 Operator : RC/JU
 Sample : PB168391BSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB168391BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 06/16/2025
 Supervised By :Jagrut Upadhyay 06/16/2025

Quant Time: Jun 13 23:00:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 13 18:43:34 2025
 Response via : Initial Calibration



Manual Integration Report

Sequence:	BN061325	Instrument	BNA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC0.1	BN037225.D	Benzo(k)fluoranthene	anahy	6/16/2025 10:00:46 AM	Jagrut	6/16/2025 10:17:11 AM	Peak Integrated by Software
SSTDICC0.1	BN037225.D	Dibenzo(a,h)anthracene	anahy	6/16/2025 10:00:46 AM	Jagrut	6/16/2025 10:17:11 AM	Peak Integrated by Software
PB168391BS	BN037236.D	2-Methylnaphthalene-d1 0	anahy	6/16/2025 10:01:28 AM	Jagrut	6/16/2025 10:16:51 AM	Peak Integrated by Software
PB168391BSD	BN037237.D	2-Methylnaphthalene-d1 0	anahy	6/16/2025 10:02:07 AM	Jagrut	6/16/2025 10:16:54 AM	Peak Integrated by Software

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn061325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037223.D	13 Jun 2025 11:34	RC/JU	Ok
2	SSTDCCC0.4	BN037224.D	13 Jun 2025 12:50	RC/JU	Not Ok
3	SSTDICC0.1	BN037225.D	13 Jun 2025 13:33	RC/JU	Ok,M
4	SSTDICC0.2	BN037226.D	13 Jun 2025 14:10	RC/JU	Ok
5	SSTDICCC0.4	BN037227.D	13 Jun 2025 14:46	RC/JU	Ok
6	SSTDICC0.8	BN037228.D	13 Jun 2025 15:22	RC/JU	Ok
7	SSTDICC1.6	BN037229.D	13 Jun 2025 15:59	RC/JU	Ok
8	SSTDICC3.2	BN037230.D	13 Jun 2025 16:35	RC/JU	Ok
9	SSTDICC5.0	BN037231.D	13 Jun 2025 17:11	RC/JU	Ok
10	SSTDICV0.4	BN037232.D	13 Jun 2025 17:47	RC/JU	Ok
11	PB168391BL	BN037233.D	13 Jun 2025 19:00	RC/JU	Ok
12	Q2275-01	BN037234.D	13 Jun 2025 19:36	RC/JU	Ok
13	Q2275-03	BN037235.D	13 Jun 2025 20:12	RC/JU	Ok
14	PB168391BS	BN037236.D	13 Jun 2025 20:49	RC/JU	Ok,M
15	PB168391BSD	BN037237.D	13 Jun 2025 21:25	RC/JU	Ok,M
16	SSTDCCC0.4	BN037238.D	13 Jun 2025 22:01	RC/JU	Ok
17	DFTPP	BN037239.D	13 Jun 2025 23:16	RC/JU	Ok
18	SSTDCCC0.4	BN037240.D	13 Jun 2025 23:55	RC/JU	Ok
19	PB168458BL	BN037241.D	14 Jun 2025 00:31	RC/JU	Ok
20	Q2263-01	BN037242.D	14 Jun 2025 01:08	RC/JU	Ok
21	Q2263-02	BN037243.D	14 Jun 2025 01:44	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn061325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2299-01	BN037244.D	14 Jun 2025 02:20	RC/JU	Ok
23	Q2299-02	BN037245.D	14 Jun 2025 02:56	RC/JU	Ok
24	Q2299-03MS	BN037246.D	14 Jun 2025 03:32	RC/JU	Ok,M
25	Q2299-04MSD	BN037247.D	14 Jun 2025 04:08	RC/JU	Ok,M
26	Q2299-05	BN037248.D	14 Jun 2025 04:45	RC/JU	Ok
27	Q2299-06	BN037249.D	14 Jun 2025 05:21	RC/JU	Ok
28	Q2299-07	BN037250.D	14 Jun 2025 05:57	RC/JU	Ok
29	Q2299-08	BN037251.D	14 Jun 2025 06:33	RC/JU	Ok
30	Q2299-09	BN037252.D	14 Jun 2025 07:09	RC/JU	Ok
31	Q2299-10	BN037253.D	14 Jun 2025 07:46	RC/JU	Ok
32	Q2299-11	BN037254.D	14 Jun 2025 08:22	RC/JU	Ok
33	Q2299-12	BN037255.D	14 Jun 2025 08:58	RC/JU	Ok
34	Q2299-13	BN037256.D	14 Jun 2025 09:34	RC/JU	Dilution
35	SSTDCCC0.4	BN037257.D	14 Jun 2025 10:10	RC/JU	Ok
36	DFTPP	BN037258.D	14 Jun 2025 12:44	RC/JU	Ok
37	SSTDCCC0.4	BN037259.D	14 Jun 2025 13:23	RC/JU	Ok
38	PB168336BL	BN037260.D	14 Jun 2025 13:59	RC/JU	Ok
39	Q2299-14	BN037261.D	14 Jun 2025 14:35	RC/JU	Dilution
40	Q2299-15	BN037262.D	14 Jun 2025 15:11	RC/JU	Ok
41	Q2299-16	BN037263.D	14 Jun 2025 15:47	RC/JU	Ok
42	Q2299-17	BN037264.D	14 Jun 2025 16:23	RC/JU	Dilution
43	Q2299-18	BN037265.D	14 Jun 2025 17:00	RC/JU	Ok
44	Q2299-19	BN037266.D	14 Jun 2025 17:36	RC/JU	Ok

Instrument ID: **BNA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_SiM HP Processing Method bn061325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	Q2299-20	BN037267.D	14 Jun 2025 18:12	RC/JU	Ok
46	Q2299-21	BN037268.D	14 Jun 2025 18:48	RC/JU	Ok
47	Q2299-22	BN037269.D	14 Jun 2025 19:24	RC/JU	Ok
48	PB168458BS	BN037270.D	14 Jun 2025 20:00	RC/JU	Ok,M
49	SSTDCCC0.4	BN037271.D	14 Jun 2025 20:36	RC/JU	Ok
50	DFTPP	BN037272.D	14 Jun 2025 21:51	RC/JU	Ok
51	SSTDCCC0.4	BN037273.D	14 Jun 2025 22:31	RC/JU	Ok
52	PB168476BL	BN037274.D	14 Jun 2025 23:07	RC/JU	Ok
53	Q2314-04	BN037275.D	14 Jun 2025 23:43	RC/JU	Ok
54	Q2314-05	BN037276.D	15 Jun 2025 00:18	RC/JU	Ok
55	Q2314-06	BN037277.D	15 Jun 2025 00:54	RC/JU	Ok
56	Q2316-01	BN037278.D	15 Jun 2025 01:30	RC/JU	Ok
57	Q2316-02	BN037279.D	15 Jun 2025 02:06	RC/JU	Ok
58	PB168476BS	BN037280.D	15 Jun 2025 02:42	RC/JU	Ok,M
59	PB168476BSD	BN037281.D	15 Jun 2025 03:18	RC/JU	Ok,M
60	SSTDCCC0.4	BN037282.D	15 Jun 2025 03:54	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn061325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037223.D	13 Jun 2025 11:34		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037224.D	13 Jun 2025 12:50	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037225.D	13 Jun 2025 13:33	Compound #02,03,20,24,34 removed from 0.1 PPM	RC/JU	Ok,M
4	SSTDICC0.2	SSTDICC0.2	BN037226.D	13 Jun 2025 14:10		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037227.D	13 Jun 2025 14:46	Compound#20 Kept on QR	RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037228.D	13 Jun 2025 15:22		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037229.D	13 Jun 2025 15:59		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037230.D	13 Jun 2025 16:35		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037231.D	13 Jun 2025 17:11		RC/JU	Ok
10	SSTDICV0.4	ICVBN061325	BN037232.D	13 Jun 2025 17:47		RC/JU	Ok
11	PB168391BL	PB168391BL	BN037233.D	13 Jun 2025 19:00		RC/JU	Ok
12	Q2275-01	OW-08B-72.5-060925	BN037234.D	13 Jun 2025 19:36		RC/JU	Ok
13	Q2275-03	EB01-060925	BN037235.D	13 Jun 2025 20:12		RC/JU	Ok
14	PB168391BS	PB168391BS	BN037236.D	13 Jun 2025 20:49		RC/JU	Ok,M
15	PB168391BSD	PB168391BSD	BN037237.D	13 Jun 2025 21:25		RC/JU	Ok,M
16	SSTDCCC0.4	SSTDCCC0.4EC	BN037238.D	13 Jun 2025 22:01		RC/JU	Ok
17	DFTPP	DFTPP	BN037239.D	13 Jun 2025 23:16		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn061325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	SSTDCCC0.4	SSTDCCC0.4	BN037240.D	13 Jun 2025 23:55		RC/JU	Ok
19	PB168458BL	PB168458BL	BN037241.D	14 Jun 2025 00:31		RC/JU	Ok
20	Q2263-01	RW9-MW01D3-202506	BN037242.D	14 Jun 2025 01:08		RC/JU	Ok
21	Q2263-02	RW9-MW01S-2025060	BN037243.D	14 Jun 2025 01:44		RC/JU	Ok
22	Q2299-01	RE117D1-20250609	BN037244.D	14 Jun 2025 02:20		RC/JU	Ok
23	Q2299-02	RE117D2-20250609	BN037245.D	14 Jun 2025 02:56		RC/JU	Ok
24	Q2299-03MS	TT191D1-20250609MS	BN037246.D	14 Jun 2025 03:32		RC/JU	Ok,M
25	Q2299-04MSD	TT191D1-20250609MS	BN037247.D	14 Jun 2025 04:08		RC/JU	Ok,M
26	Q2299-05	TT191D1-20250609	BN037248.D	14 Jun 2025 04:45		RC/JU	Ok
27	Q2299-06	TT191D2-20250609	BN037249.D	14 Jun 2025 05:21		RC/JU	Ok
28	Q2299-07	RW10-MW01S-202506	BN037250.D	14 Jun 2025 05:57		RC/JU	Ok
29	Q2299-08	RW10-MW01D-202506	BN037251.D	14 Jun 2025 06:33		RC/JU	Ok
30	Q2299-09	RW10A-MW01S-20250	BN037252.D	14 Jun 2025 07:09		RC/JU	Ok
31	Q2299-10	RW10A-MW01I-202506	BN037253.D	14 Jun 2025 07:46		RC/JU	Ok
32	Q2299-11	TT158I1-20250610	BN037254.D	14 Jun 2025 08:22		RC/JU	Ok
33	Q2299-12	DUP01-20250610	BN037255.D	14 Jun 2025 08:58		RC/JU	Ok
34	Q2299-13	RE131D2-20250610	BN037256.D	14 Jun 2025 09:34	Need 5X Dilution	RC/JU	Dilution
35	SSTDCCC0.4	SSTDCCC0.4EC	BN037257.D	14 Jun 2025 10:10		RC/JU	Ok
36	DFTPP	DFTPP	BN037258.D	14 Jun 2025 12:44		RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn061325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	SSTDCCC0.4	SSTDCCC0.4	BN037259.D	14 Jun 2025 13:23		RC/JU	Ok
38	PB168336BL	PB168336BL	BN037260.D	14 Jun 2025 13:59		RC/JU	Ok
39	Q2299-14	DUP02-20250610	BN037261.D	14 Jun 2025 14:35	Need 5X Dilution	RC/JU	Dilution
40	Q2299-15	TT174I1-20250610	BN037262.D	14 Jun 2025 15:11		RC/JU	Ok
41	Q2299-16	RE134D4-20250610	BN037263.D	14 Jun 2025 15:47		RC/JU	Ok
42	Q2299-17	RE134D3-20250610	BN037264.D	14 Jun 2025 16:23	Need 2X Dilution	RC/JU	Dilution
43	Q2299-18	TT190D1-20250611	BN037265.D	14 Jun 2025 17:00		RC/JU	Ok
44	Q2299-19	RW11-MW01I-20250611	BN037266.D	14 Jun 2025 17:36		RC/JU	Ok
45	Q2299-20	RW11-MW01S-20250611	BN037267.D	14 Jun 2025 18:12		RC/JU	Ok
46	Q2299-21	RE134D1-20250611	BN037268.D	14 Jun 2025 18:48		RC/JU	Ok
47	Q2299-22	TT190D2-20250611	BN037269.D	14 Jun 2025 19:24		RC/JU	Ok
48	PB168458BS	PB168458BS	BN037270.D	14 Jun 2025 20:00		RC/JU	Ok,M
49	SSTDCCC0.4	SSTDCCC0.4EC	BN037271.D	14 Jun 2025 20:36		RC/JU	Ok
50	DFTPP	DFTPP	BN037272.D	14 Jun 2025 21:51		RC/JU	Ok
51	SSTDCCC0.4	SSTDCCC0.4	BN037273.D	14 Jun 2025 22:31		RC/JU	Ok
52	PB168476BL	PB168476BL	BN037274.D	14 Jun 2025 23:07		RC/JU	Ok
53	Q2314-04	BP-VPB-182-GW-880-8	BN037275.D	14 Jun 2025 23:43		RC/JU	Ok
54	Q2314-05	BP-VPB-182-EB-20250611	BN037276.D	15 Jun 2025 00:18		RC/JU	Ok
55	Q2314-06	VPB182-HYD-20250611	BN037277.D	15 Jun 2025 00:54	Surrogate fail	RC/JU	Ok

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QC Batch ID # BN061325

Review By	anahy	Review On	6/16/2025 10:18:23 AM
Supervise By	Jagrut	Supervise On	6/16/2025 10:18:34 AM
SubDirectory	BN061325	HP Acquire Method	BNA_N, 8270_HP Processing Method bn061325
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775		
CCC	SP6779		
Internal Standard/PEM	SP6740,1ul/100ul sample		
ICV/I.BLK	SP6768		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

56	Q2316-01	RW8-SP100-20250612	BN037278.D	15 Jun 2025 01:30		RC/JU	Ok
57	Q2316-02	RW8-SP303-20250612	BN037279.D	15 Jun 2025 02:06		RC/JU	Ok
58	PB168476BS	PB168476BS	BN037280.D	15 Jun 2025 02:42		RC/JU	Ok,M
59	PB168476BSD	PB168476BSD	BN037281.D	15 Jun 2025 03:18		RC/JU	Ok,M
60	SSTDCCC0.4	SSTDCCC0.4EC	BN037282.D	15 Jun 2025 03:54		RC/JU	Ok

M : Manual Integration

A
B
C
D
E
F
G
H
I
J
K

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 06/10/2025

Extraction Start Time : 12:20

Extraction End Date : 06/10/2025

Extraction End Time : 17:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6756
Surrogate	1.0ML	0.4 PPM	SP6758
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/10/25	RP (Ext. 205)	Rclsvoc
17:15	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 06/10/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168391BL	SBLK391	SVOC-SIMGrou p1	1000	6	RUPEsh	rajesh	1			SEP-1
PB168391BS	SLCS391	SVOC-SIMGrou p1	1000	6	RUPEsh	rajesh	1			2
PB168391BS D	SLCSD391	SVOC-SIMGrou p1	1000	6	RUPEsh	rajesh	1			3
Q2263-01	RW9-MW01D3-20250606	SVOC-SIMGrou p1	1000	6	RUPEsh	rajesh	1	C		4
Q2263-02	RW9-MW01D3-20250606	SVOC-SIMGrou p1	970	6	RUPEsh	rajesh	1	C		5
Q2275-01	OW-08B-72.5-060925	SVOC-SIMGrou p1	990	6	RUPEsh	rajesh	1	D		6
Q2275-03	EB01-060925	SVOC-SIMGrou p1	890	6	RUPEsh	rajesh	1	D		7

* Extracts relinquished on the same date as received.

6/10/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2263 WorkList ID : 190070 Department : Extraction Date : 06-10-2025 12:18:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2263-01	RW9-MW01D3-20250606	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D21	06/06/2025	8270-Modified
Q2263-02	RW9-MW01D3-20250606	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D21	06/06/2025	8270-Modified
Q2275-01	OW-08B-72.5-060925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	06/08/2025	8270-Modified
Q2275-03	EB01-060925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	06/08/2025	8270-Modified

Date/Time 06/10/25 12:19
Raw Sample Received by: RSC (a3)
Raw Sample Relinquished by: RSC (a3)

Date/Time 06/10/25 12:19
Raw Sample Received by: RSC (a3)
Raw Sample Relinquished by: RSC (a3)



LAB CHRONICLE

OrderID:	Q2275	OrderDate:	6/10/2025 11:03:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2275-01	OW-08B-72.5-060925	Water	SVOC-SIMGroup1	8270-Modified	06/08/25	06/10/25	06/13/25	06/10/25
Q2275-03	EB01-060925	Water	SVOC-SIMGroup1	8270-Modified	06/08/25	06/10/25	06/13/25	06/10/25