

Cover Page

Order ID : P4799

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

P4799-01
P4799-02
P4799-03
P4799-04
P4799-05
P4799-06
P4799-07
P4799-08
P4799-09
P4799-10
P4799-11
P4799-12
P4799-13
P4799-14
P4799-15
P4799-16
P4799-17
P4799-18
P4799-19
P4799-20

Client Sample Number

WC-TA2-02-G
WC-TA2-02-C
WC-TA2-02-C
WC-TA2-02-C
WC-TA2-03-G
WC-TA2-03-C
WC-TA2-03-C
WC-TA2-03-C
WC-TA1-01-G
WC-TA1-01-C
WC-TA1-01-C
WC-TA1-01-C
WC-TA1-02-G
WC-TA1-02-C
WC-TA1-02-C
WC-TA1-02-C
WC-TA1-03-G
WC-TA1-03-C
WC-TA1-03-C
WC-TA1-03-C

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

Signature : _____

Date: 11/21/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4799

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 11/21/2024

LAB CHRONICLE

OrderID:	P4799	OrderDate:	11/8/2024 4:30:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4799-01	WC-TA2-02-G	TCLP	TCLP VOA	8260D	11/08/24		11/12/24	11/08/24
P4799-05	WC-TA2-03-G	TCLP	TCLP VOA	8260D	11/08/24		11/12/24	11/08/24
P4799-09	WC-TA1-01-G	TCLP	TCLP VOA	8260D	11/08/24		11/12/24	11/08/24
P4799-13	WC-TA1-02-G	TCLP	TCLP VOA	8260D	11/08/24		11/12/24	11/08/24
P4799-17	WC-TA1-03-G	TCLP	TCLP VOA	8260D	11/08/24		11/13/24	11/08/24

Hit Summary Sheet
SW-846

SDG No.: P4799
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: P4799-01	WC-TA2-02-G WC-TA2-02-G	TCLP	2-Butanone	5.50	J	1.30	25.0	ug/L
			Total Voc :	5.50				
			Total Concentration:	5.50				
Client ID: P4799-09	WC-TA1-01-G WC-TA1-01-G	TCLP	Benzene	11.8		0.16	5.00	ug/L
			Total Voc :	11.8				
			Total Concentration:	11.8				
Client ID: P4799-13	WC-TA1-02-G WC-TA1-02-G	TCLP	Benzene	14.3		0.16	5.00	ug/L
			Total Voc :	14.3				
			Total Concentration:	14.3				
Client ID: P4799-17	WC-TA1-03-G WC-TA1-03-G	TCLP	Benzene	19.5		0.16	5.00	ug/L
			Total Voc :	19.5				
			Total Concentration:	19.5				



QC SUMMARY

Surrogate Summary

SDG No.: P4799

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4799-01	WC-TA2-02-G	1,2-Dichloroethane-d4	50	51.4	103	70 (74)	130 (125)
		Dibromofluoromethane	50	44.9	90	70 (75)	130 (124)
		Toluene-d8	50	46.8	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91	70 (77)	130 (121)
P4799-05	WC-TA2-03-G	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	41.3	83	70 (75)	130 (124)
		Toluene-d8	50	45.6	91	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.5	99	70 (77)	130 (121)
P4799-09	WC-TA1-01-G	1,2-Dichloroethane-d4	50	47.5	95	70 (74)	130 (125)
		Dibromofluoromethane	50	40.7	81	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.6	113	70 (77)	130 (121)
P4799-13	WC-TA1-02-G	1,2-Dichloroethane-d4	50	45.8	92	70 (74)	130 (125)
		Dibromofluoromethane	50	38.4	77	70 (75)	130 (124)
		Toluene-d8	50	47.5	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.9	112	70 (77)	130 (121)
P4799-17	WC-TA1-03-G	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	39.0	78	70 (75)	130 (124)
		Toluene-d8	50	48.5	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.0	116	70 (77)	130 (121)

Surrogate Summary

SDG No.: P4799

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN1112WBL01	VN1112WBL01	1,2-Dichloroethane-d4	50	47.8	96	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	45.9	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.8	92	70 (77)	130 (121)
VN1112WBS01	VN1112WBS01	1,2-Dichloroethane-d4	50	45.2	90	70 (74)	130 (125)
		Dibromofluoromethane	50	47.8	96	70 (75)	130 (124)
		Toluene-d8	50	46.6	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.7	95	70 (77)	130 (121)
VN1112WBSD0	VN1112WBSD01	1,2-Dichloroethane-d4	50	48.2	96	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	49.4	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.6	105	70 (77)	130 (121)
VN1113WBL01	VN1113WBL01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	46.6	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.8	92	70 (77)	130 (121)
VN1113WBS01	VN1113WBS01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4799

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VN084792.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1112WBS01	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.1	ug/L	81			70 (74)	130 (110)	
	2-Butanone	100	93.8	ug/L	94			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	Chloroform	20	16.9	ug/L	85			70 (79)	130 (113)	
	Benzene	20	17.2	ug/L	86			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.7	ug/L	89			70 (80)	130 (115)	
	Trichloroethene	20	16.9	ug/L	85			70 (77)	130 (113)	
	Tetrachloroethene	20	18.6	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	17.7	ug/L	89			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4799
Client: ENTACT
Analytical Method: SW8260-Low **Datafile :** VN084797.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1112WBSD01	Vinyl chloride	20	21.3	ug/L	106	11		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.3	ug/L	92	13		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	16		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.7	ug/L	104	14		70 (77)	130 (113)	20 (20)
	Chloroform	20	20.0	ug/L	100	16		70 (79)	130 (113)	20 (20)
	Benzene	20	19.6	ug/L	98	13		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.5	ug/L	103	15		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.7	ug/L	99	15		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	20.3	ug/L	102	9		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.1	ug/L	96	8		70 (82)	130 (109)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4799

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1113WBS01	Vinyl chloride	20	20.1	ug/L	101			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	2-Butanone	100	91.6	ug/L	92			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.1	ug/L	101			70 (77)	130 (113)	
	Chloroform	20	18.9	ug/L	95			70 (79)	130 (113)	
	Benzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.0	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	Tetrachloroethene	20	20.6	ug/L	103			70 (67)	130 (123)	
	Chlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-TA2-02-G

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4799

SAS No.: P4799 SDG NO.: P4799

Lab File ID: VN084799.D

Lab Sample ID: P4799-01

Date Analyzed: 11/12/2024

Time Analyzed: 16:25

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-TA2-02-G	P4799-01	VN084799.D	11/12/2024
WC-TA2-03-G	P4799-05	VN084800.D	11/12/2024
WC-TA1-01-G	P4799-09	VN084801.D	11/12/2024
WC-TA1-02-G	P4799-13	VN084802.D	11/12/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1112WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4799

SAS No.: P4799 SDG NO.: P4799

Lab File ID: VN084791.D

Lab Sample ID: VN1112WBL01

Date Analyzed: 11/12/2024

Time Analyzed: 13:13

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1112WBS01	VN1112WBS01	VN084792.D	11/12/2024
VN1112WBSD01	VN1112WBSD01	VN084797.D	11/12/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1113WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: P4799

SAS No.: P4799 SDG NO.: P4799

Lab File ID: VN084817.D

Lab Sample ID: VN1113WBL01

Date Analyzed: 11/13/2024

Time Analyzed: 10:50

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024
WC-TA1-03-G	P4799-17	VN084837.D	11/13/2024

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
Lab File ID: VN084569.D BFB Injection Date: 10/30/2024
Instrument ID: MSVOA_N BFB Injection Time: 10:42
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
Lab File ID: VN084788.D BFB Injection Date: 11/12/2024
Instrument ID: MSVOA_N BFB Injection Time: 10:19
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.4 (7.2) 1
176	95.0 - 101.0% of mass 174	72.4 (97.1) 1
177	5.0 - 9.0% of mass 176	5.1 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084789.D	11/12/2024	12:25
VN1112WBL01	VN1112WBL01	VN084791.D	11/12/2024	13:13
VN1112WBS01	VN1112WBS01	VN084792.D	11/12/2024	13:37
VN1112WBSD01	VN1112WBSD01	VN084797.D	11/12/2024	15:37
WC-TA2-02-G	P4799-01	VN084799.D	11/12/2024	16:25
WC-TA2-03-G	P4799-05	VN084800.D	11/12/2024	16:49
WC-TA1-01-G	P4799-09	VN084801.D	11/12/2024	17:13
WC-TA1-02-G	P4799-13	VN084802.D	11/12/2024	17:38



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
Lab File ID: VN084814.D BFB Injection Date: 11/13/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:53
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	76.3
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	75.8 (99.3) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084815.D	11/13/2024	09:52
VN1113WBL01	VN1113WBL01	VN084817.D	11/13/2024	10:50
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024	13:24
WC-TA1-03-G	P4799-17	VN084837.D	11/13/2024	19:35

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
 Lab File ID: VN084789.D Date Analyzed: 11/12/2024
 Instrument ID: MSVOA_N Time Analyzed: 12:25
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	154488	8.22	250919	9.10	222019	11.87
UPPER LIMIT	308976	8.724	501838	9.6	444038	12.365
LOWER LIMIT	77244	7.724	125460	8.6	111010	11.365
EPA SAMPLE NO.						
WC-TA2-02-G	173752	8.22	312071	9.10	271773	11.87
WC-TA2-02-G	173752	8.22	312071	9.10	271773	11.87
WC-TA2-03-G	170276	8.22	297743	9.10	265314	11.87
WC-TA2-03-G	170276	8.22	297743	9.10	265314	11.87
WC-TA1-01-G	169069	8.22	287640	9.10	266403	11.87
WC-TA1-01-G	169069	8.22	287640	9.10	266403	11.87
WC-TA1-02-G	178622	8.22	301620	9.09	283346	11.87
WC-TA1-02-G	178622	8.22	301620	9.09	283346	11.87
VN1112WBL01	180518	8.22	306816	9.10	261220	11.87
VN1112WBL01	180518	8.22	306816	9.10	261220	11.87
VN1112WBS01	181136	8.22	298646	9.10	255962	11.87
VN1112WBS01	181136	8.22	298646	9.10	255962	11.87
VN1112WBSD01	169278	8.22	279342	9.10	250471	11.87
VN1112WBSD01	169278	8.22	279342	9.10	250471	11.87

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: ENTA05
 Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
 Lab File ID: VN084789.D Date Analyzed: 11/12/2024
 Instrument ID: MSVOA_N Time Analyzed: 12:25
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	111546	13.794				
UPPER LIMIT	223092	14.294				
LOWER LIMIT	55773	13.294				
EPA SAMPLE NO.						
WC-TA2-02-G	120380	13.79				
WC-TA2-02-G	120380	13.79				
WC-TA2-03-G	124378	13.79				
WC-TA2-03-G	124378	13.79				
WC-TA1-01-G	141406	13.79				
WC-TA1-01-G	141406	13.79				
WC-TA1-02-G	147697	13.79				
WC-TA1-02-G	147697	13.79				
VN1112WBL01	118783	13.79				
VN1112WBL01	118783	13.79				
VN1112WBS01	130240	13.79				
VN1112WBS01	130240	13.79				
VN1112WBSD01	131269	13.79				
VN1112WBSD01	131269	13.79				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
 Lab File ID: VN084815.D Date Analyzed: 11/13/2024
 Instrument ID: MSVOA_N Time Analyzed: 09:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	176295	8.22	281546	9.09	243058	11.87
UPPER LIMIT	352590	8.718	563092	9.594	486116	12.365
LOWER LIMIT	88147.5	7.718	140773	8.594	121529	11.365
EPA SAMPLE NO.						
WC-TA1-03-G	166079	8.22	289492	9.09	280754	11.87
VN1113WBL01	177026	8.22	303081	9.09	266497	11.87
VN1113WBS01	193540	8.22	311172	9.10	273249	11.87

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: ENTA05
 Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG NO.: P4799
 Lab File ID: VN084815.D Date Analyzed: 11/13/2024
 Instrument ID: MSVOA_N Time Analyzed: 09:52
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	126719	13.788				
UPPER LIMIT	253438	14.288				
LOWER LIMIT	63359.5	13.288				
EPA SAMPLE NO.						
WC-TA1-03-G	147105	13.79				
VN1113WBL01	115573	13.79				
VN1113WBS01	141208	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-02-G	SDG No.:	P4799
Lab Sample ID:	P4799-01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084799.D	1		11/12/24 16:25	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	5.50	J	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.218			
540-36-3	1,4-Difluorobenzene	312000	9.1			
3114-55-4	Chlorobenzene-d5	272000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084799.D
 Acq On : 12 Nov 2024 16:25
 Operator : JC\MD
 Sample : P4799-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-TA2-02-G

Quant Time: Nov 12 23:38:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

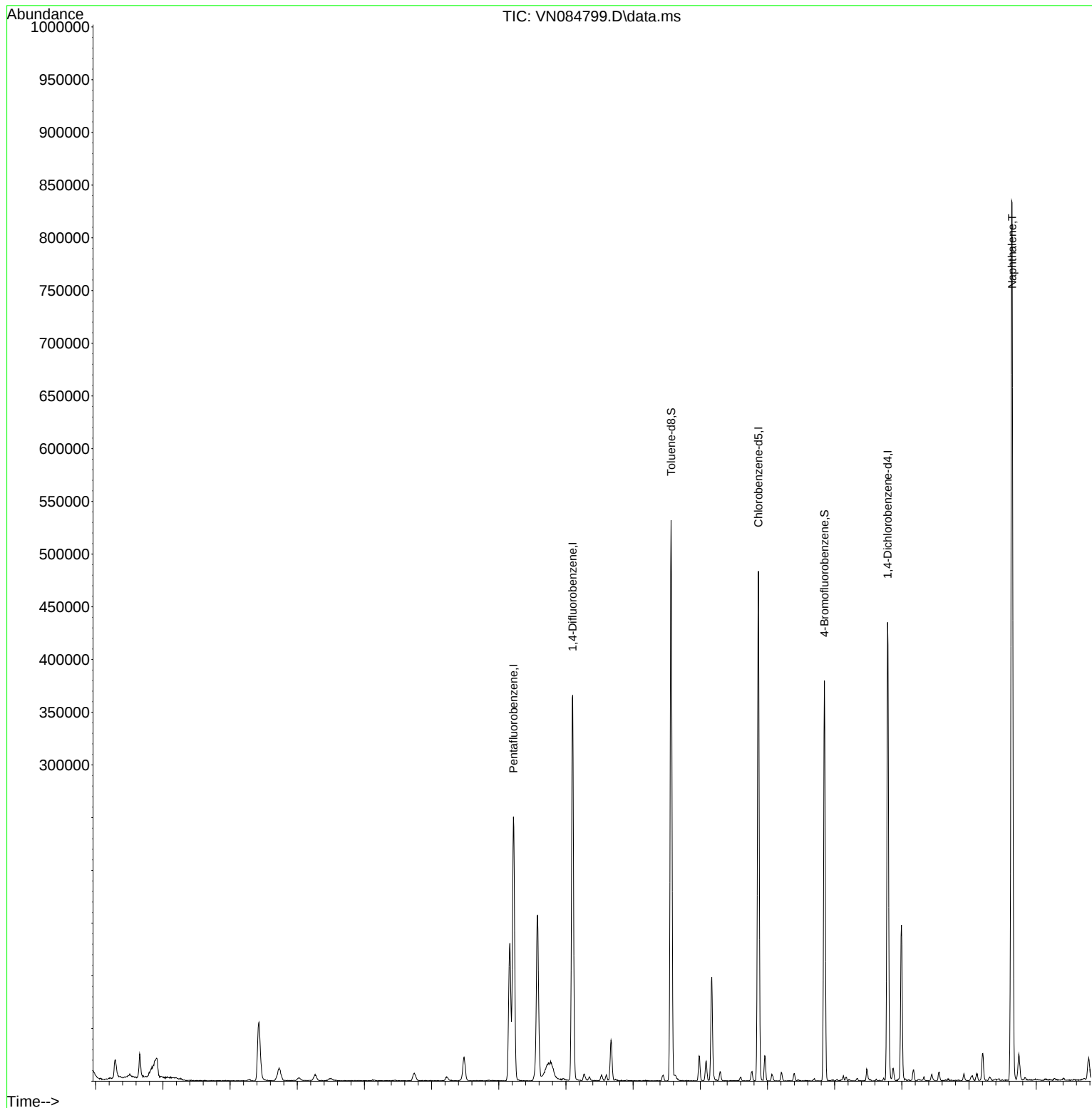
Internal Standards						
1) Pentafluorobenzene	8.218	168	173752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129038	51.418	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.840%	
35) Dibromofluoromethane	8.165	113	94843	44.899	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.800%	
50) Toluene-d8	10.565	98	364313	46.820	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	93.640%	
62) 4-Bromofluorobenzene	12.847	95	132440	45.542	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	91.080%	
Target Compounds						
16) Acetone	4.430	43	105492	144.317	ug/l	97
17) Carbon Disulfide	4.695	76	7556	1.240	ug/l	96
20) Methylene Chloride	5.265	84	4750	2.152	ug/l	94
25) 2-Butanone	7.489	43	6453	5.512	ug/l #	74
27) cis-1,2-Dichloroethene	7.483	96	11917	5.023	ug/l	86
67) Ethyl Benzene	11.959	91	17485	1.723	ug/l	96
95) Naphthalene	15.641	128	783252	112.412	ug/l	100

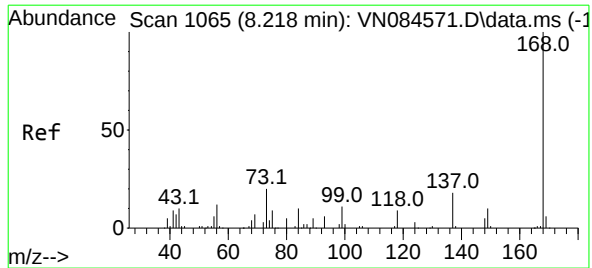
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084799.D
Acq On : 12 Nov 2024 16:25
Operator : JC\MD
Sample : P4799-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-02-G

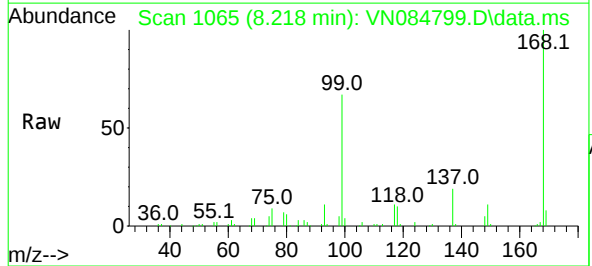
Quant Time: Nov 12 23:38:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



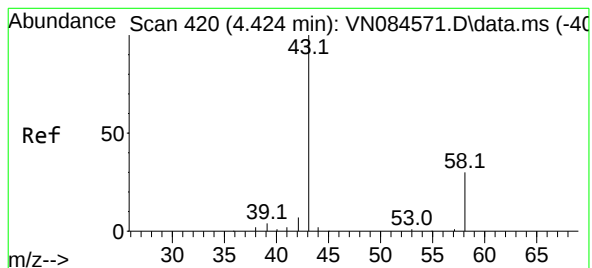
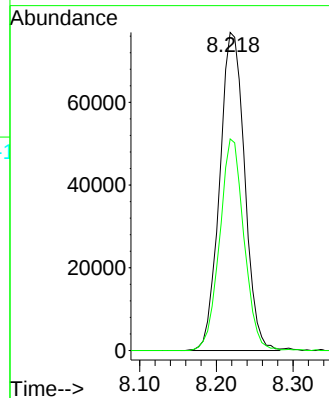
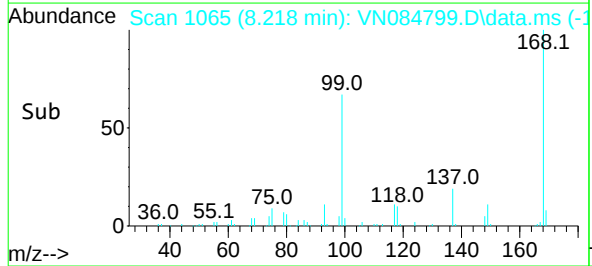


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084799.D
Acq: 12 Nov 2024 16:25

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-02-G

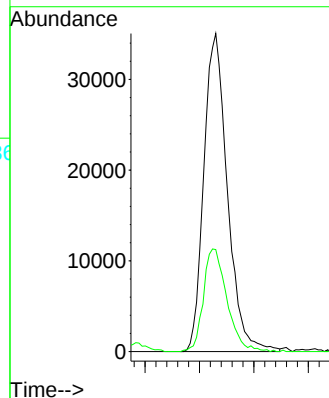
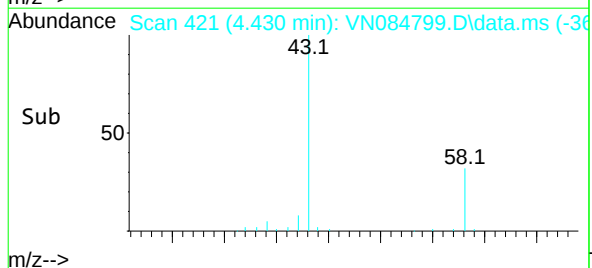
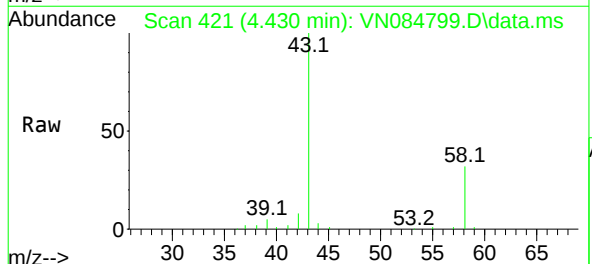


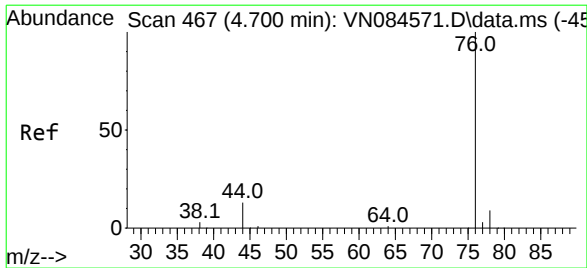
Tgt Ion:168 Resp: 173752
Ion Ratio Lower Upper
168 100
99 66.5 54.2 81.2



#16
Acetone
Concen: 144.317 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084799.D
Acq: 12 Nov 2024 16:25

Tgt Ion: 43 Resp: 105492
Ion Ratio Lower Upper
43 100
58 32.1 24.4 36.6





#17

Carbon Disulfide

Concen: 1.240 ug/l

RT: 4.695 min Scan# 46

Delta R.T. -0.017 min

Lab File: VN084799.D

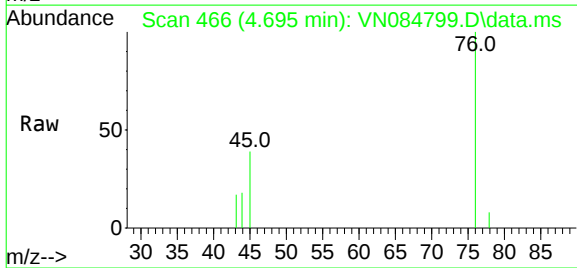
Acq: 12 Nov 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-02-G

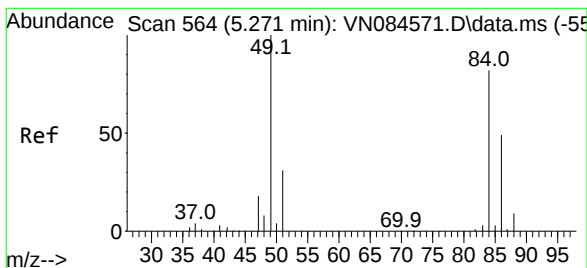
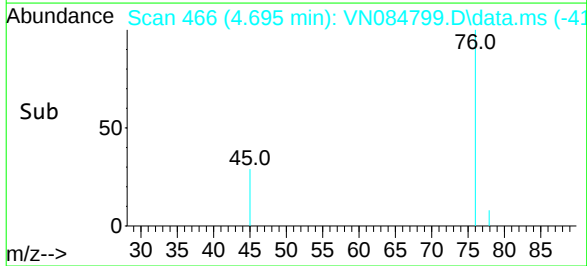
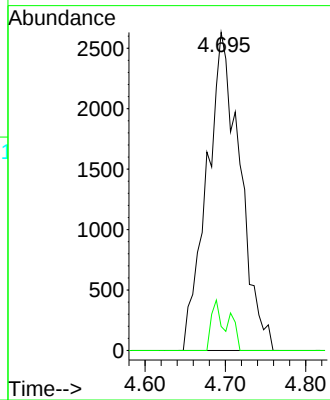


Tgt Ion: 76 Resp: 7556

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9



#20

Methylene Chloride

Concen: 2.152 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN084799.D

Acq: 12 Nov 2024 16:25

Tgt Ion: 84 Resp: 4750

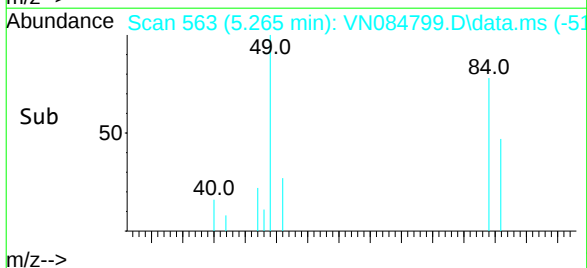
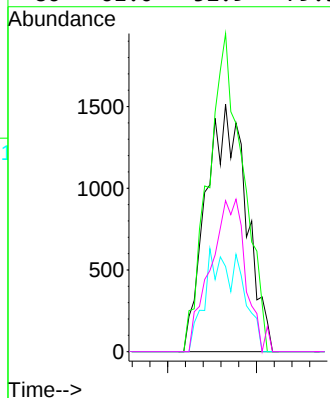
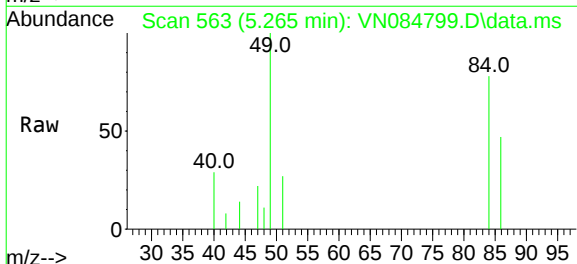
Ion Ratio Lower Upper

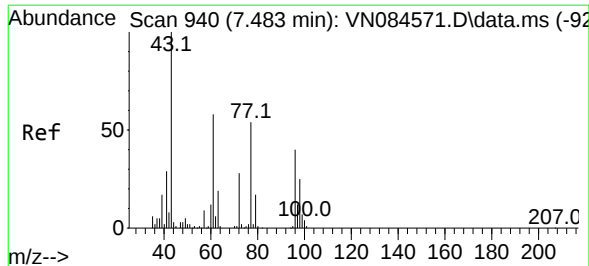
84 100

49 128.6 107.2 160.8

51 34.4 31.8 47.8

86 61.0 52.9 79.3





#25

2-Butanone

Concen: 5.512 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN084799.D

Acq: 12 Nov 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

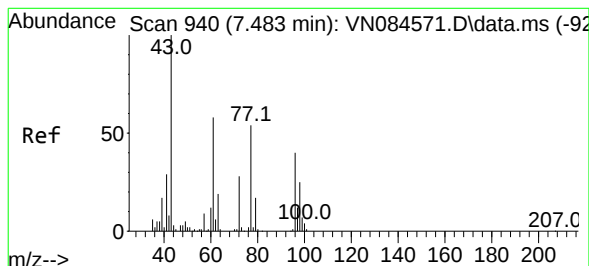
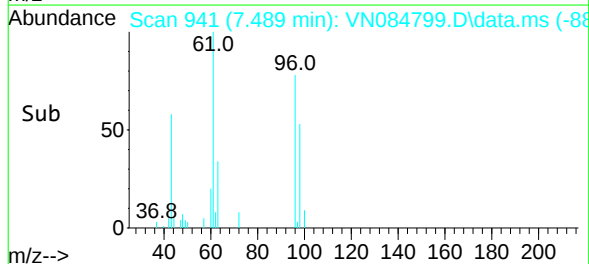
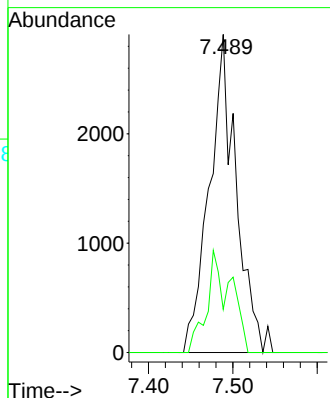
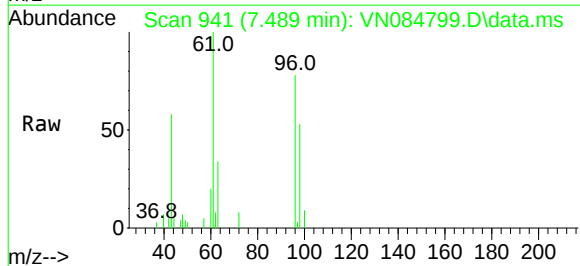
WC-TA2-02-G

Tgt Ion: 43 Resp: 6453

Ion Ratio Lower Upper

43 100

72 13.6 21.4 32.2#



#27

cis-1,2-Dichloroethene

Concen: 5.023 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN084799.D

Acq: 12 Nov 2024 16:25

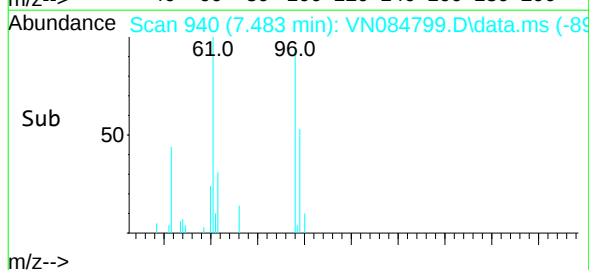
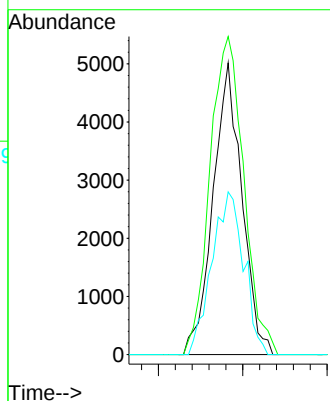
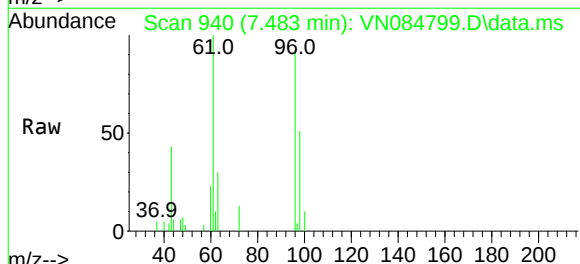
Tgt Ion: 96 Resp: 11917

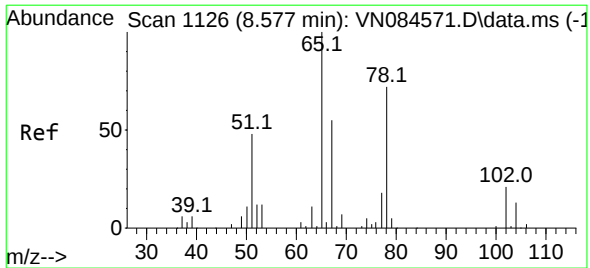
Ion Ratio Lower Upper

96 100

61 127.6 0.0 301.8

98 61.7 0.0 128.2

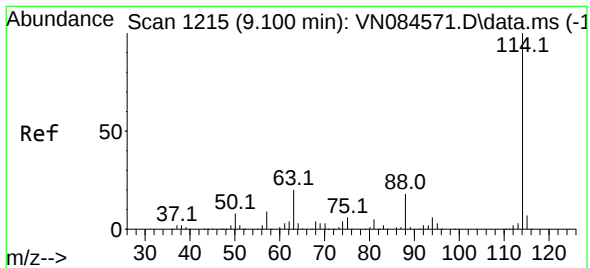
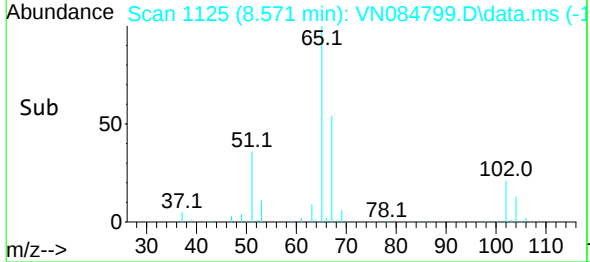
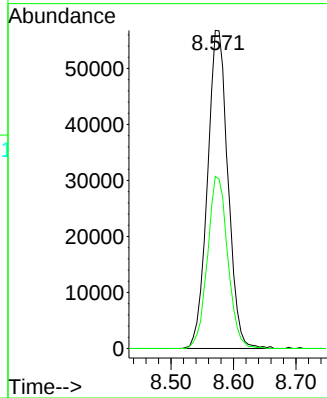
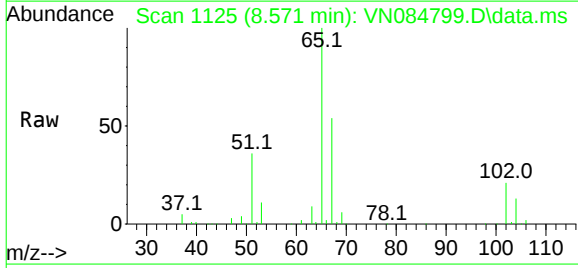




#33
1,2-Dichloroethane-d4
Concen: 51.418 ug/l
RT: 8.571 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084799.D
Acq: 12 Nov 2024 16:25

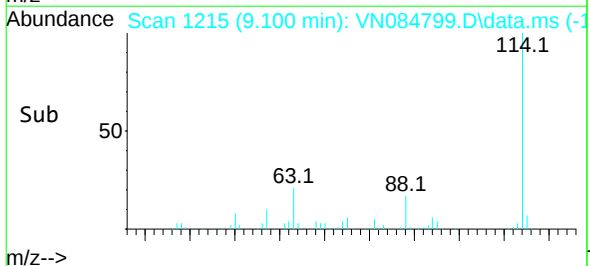
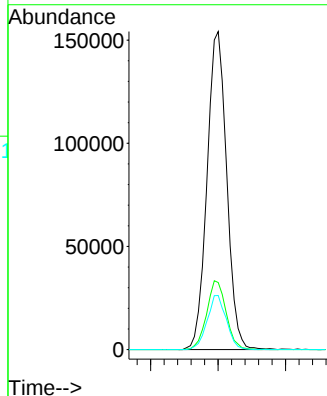
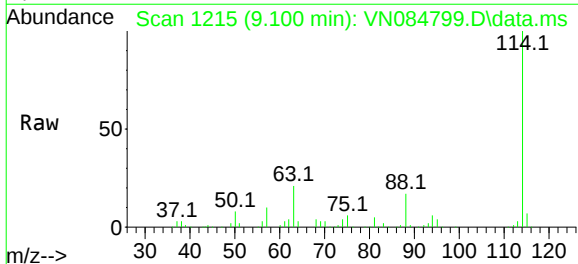
Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-02-G

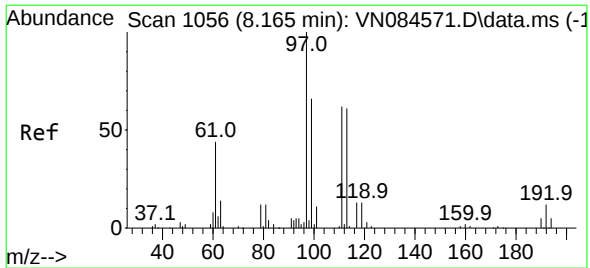
Tgt Ion: 65 Resp: 129038
Ion Ratio Lower Upper
65 100
67 53.7 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084799.D
Acq: 12 Nov 2024 16:25

Tgt Ion: 114 Resp: 312071
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.8
88 17.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 44.899 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084799.D

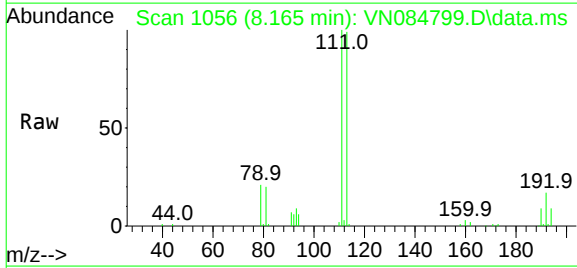
Acq: 12 Nov 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-02-G



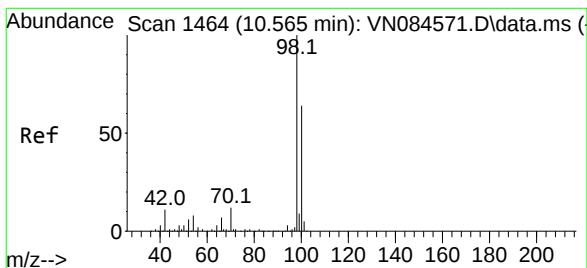
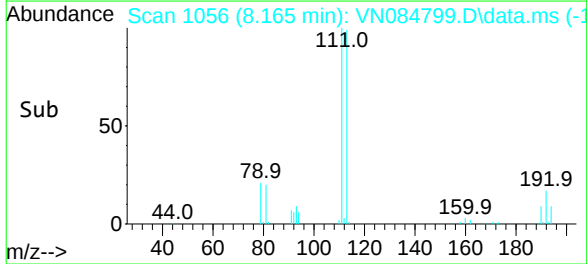
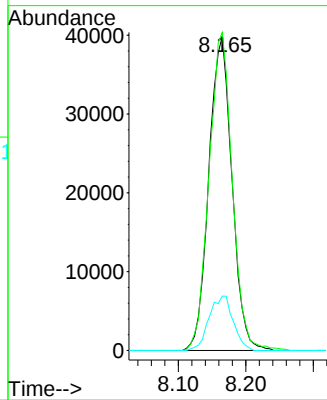
Tgt Ion:113 Resp: 94843

Ion Ratio Lower Upper

113 100

111 101.9 83.3 124.9

192 18.1 13.5 20.3



#50

Toluene-d8

Concen: 46.820 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084799.D

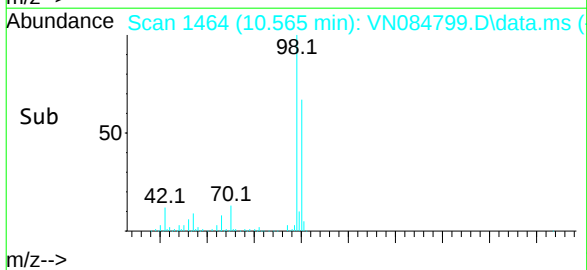
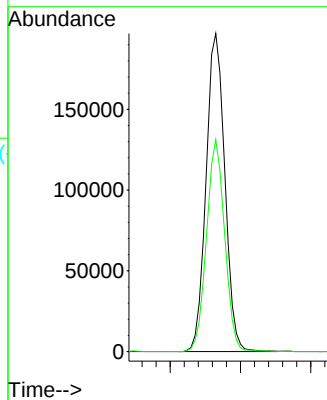
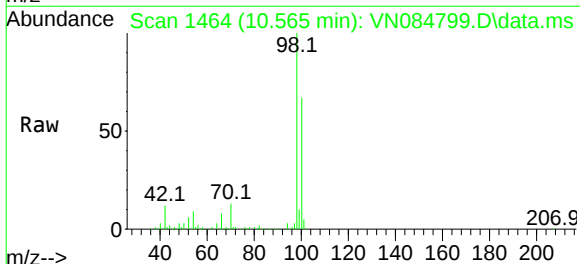
Acq: 12 Nov 2024 16:25

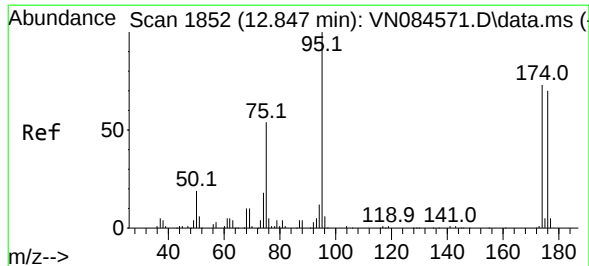
Tgt Ion: 98 Resp: 364313

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 45.542 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084799.D

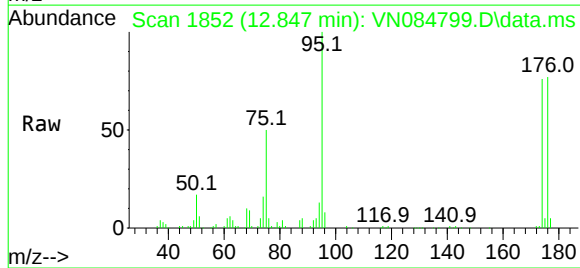
Acq: 12 Nov 2024 16:25

Instrument :

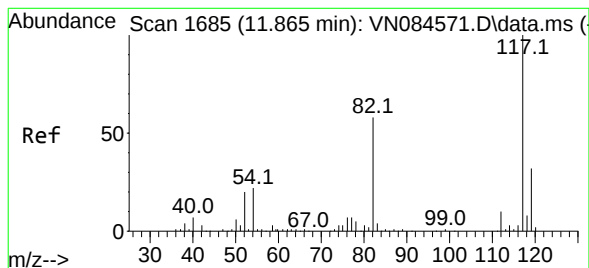
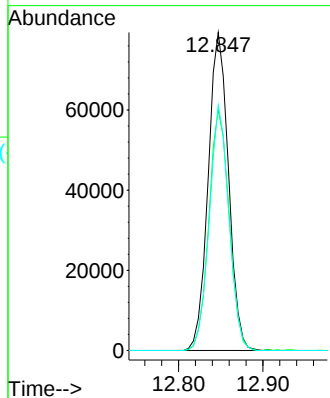
MSVOA_N

ClientSampleId :

WC-TA2-02-G



Tgt Ion:	95	Resp:	132440
Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	145.2
176	74.6	0.0	140.0



#63

Chlorobenzene-d5

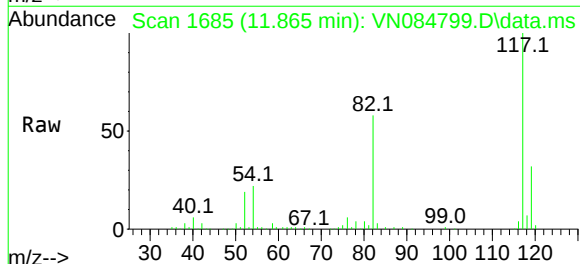
Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

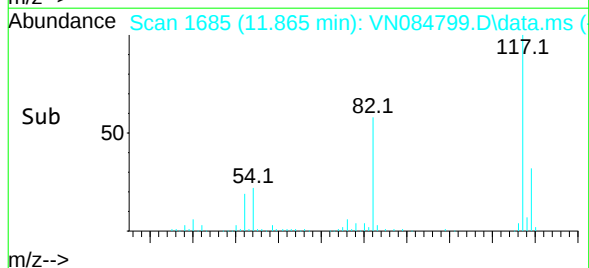
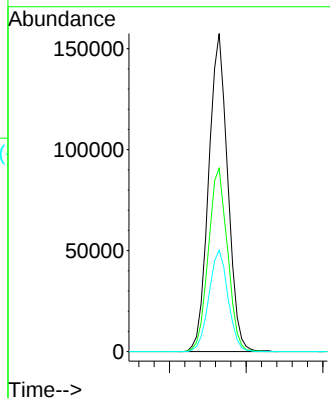
Delta R.T. -0.000 min

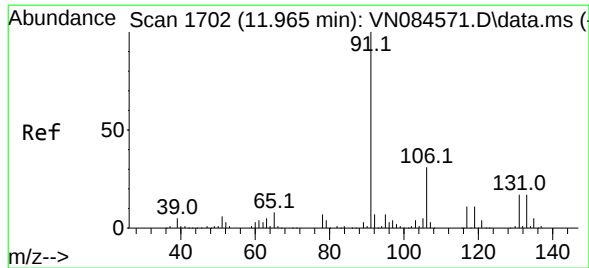
Lab File: VN084799.D

Acq: 12 Nov 2024 16:25



Tgt Ion:	117	Resp:	271773
Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.2	70.8
119	31.9	25.4	38.0





#67

Ethyl Benzene

Concen: 1.723 ug/l

RT: 11.959 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN084799.D

Acq: 12 Nov 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

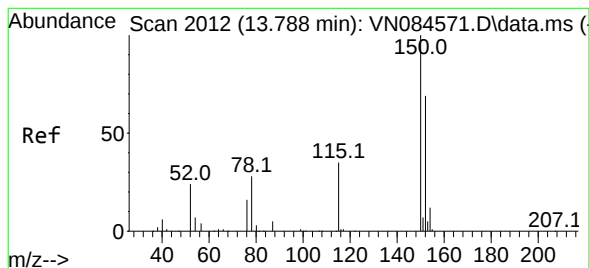
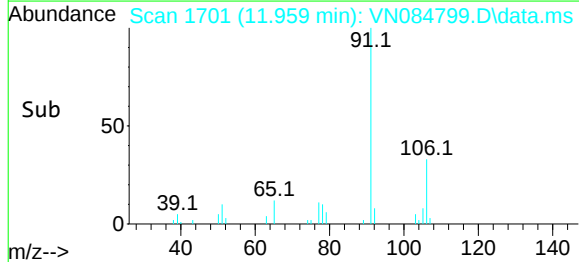
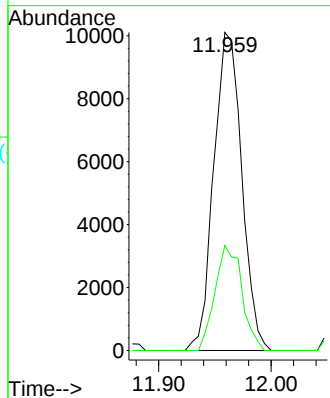
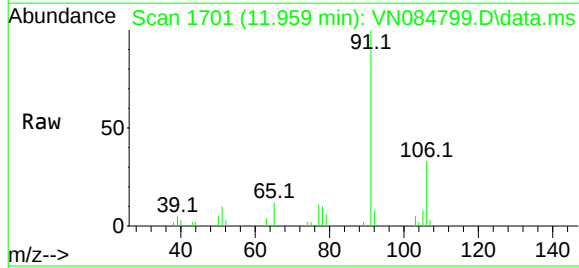
WC-TA2-02-G

Tgt Ion: 91 Resp: 17485

Ion Ratio Lower Upper

91 100

106 33.0 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084799.D

Acq: 12 Nov 2024 16:25

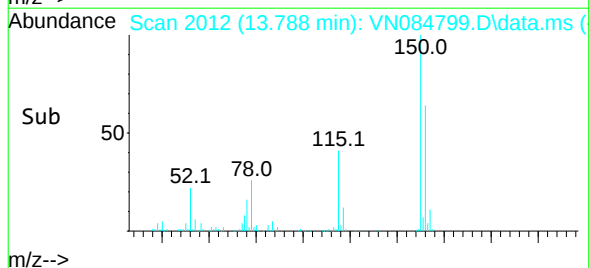
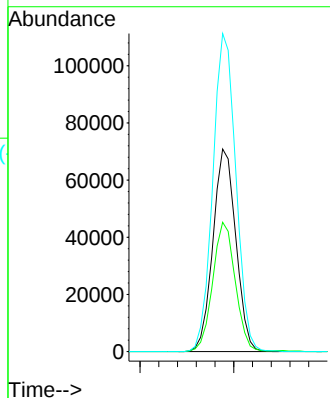
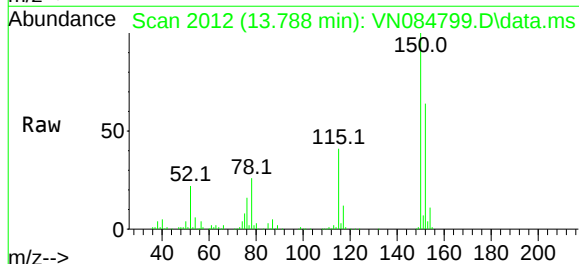
Tgt Ion: 152 Resp: 120380

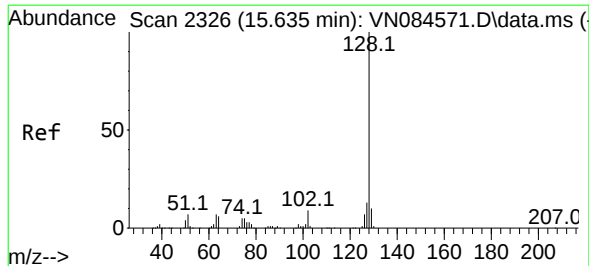
Ion Ratio Lower Upper

152 100

115 62.7 31.3 93.9

150 157.7 0.0 349.8





#95

Naphthalene

Concen: 112.412 ug/l

RT: 15.641 min Scan# 23

Delta R.T. 0.006 min

Lab File: VN084799.D

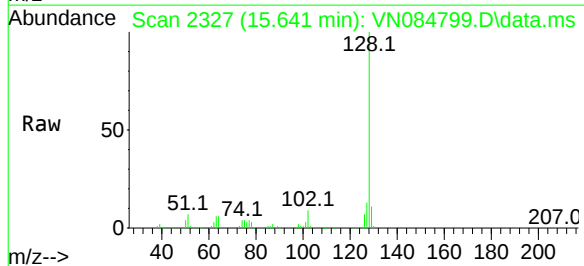
Acq: 12 Nov 2024 16:25

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-02-G



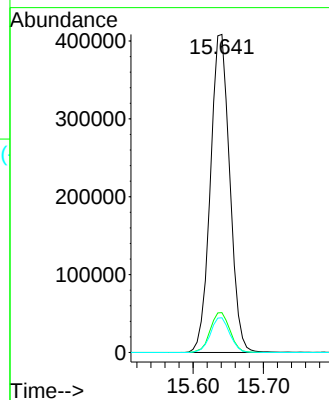
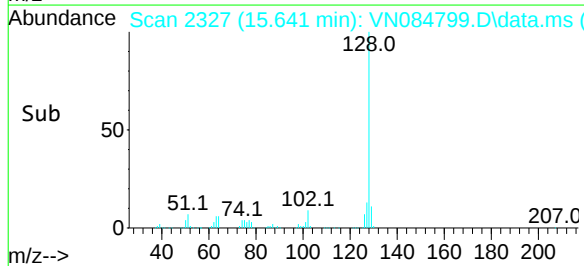
Tgt Ion:128 Resp: 783252

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.9 8.7 13.1



Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA2-03-G	SDG No.:	P4799
Lab Sample ID:	P4799-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084800.D	1		11/12/24 16:49	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3		70 (75) - 130 (124)	83%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.224			
540-36-3	1,4-Difluorobenzene	298000	9.1			
3114-55-4	Chlorobenzene-d5	265000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084800.D
 Acq On : 12 Nov 2024 16:49
 Operator : JC\MD
 Sample : P4799-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-TA2-03-G

Quant Time: Nov 12 23:39:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

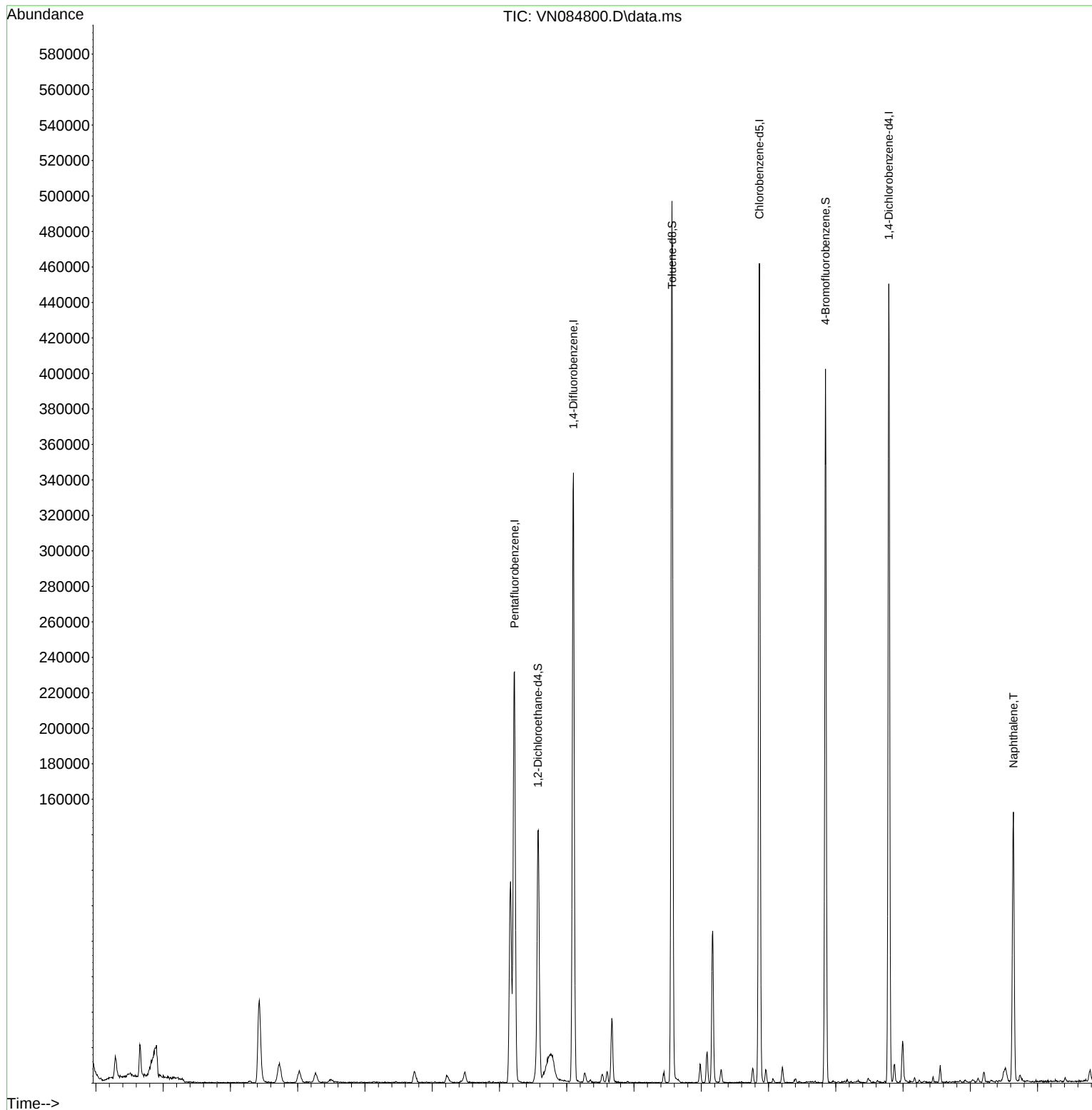
Internal Standards						
1) Pentafluorobenzene	8.224	168	170276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121229	49.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.580%		
35) Dibromofluoromethane	8.165	113	83230	41.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.600%		
50) Toluene-d8	10.565	98	338922	45.653	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.300%		
62) 4-Bromofluorobenzene	12.847	95	137454	49.541	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.080%		
Target Compounds						
16) Acetone	4.430	43	88577	123.237	ug/l	97
17) Carbon Disulfide	4.700	76	6337	1.061	ug/l #	86
18) Methyl Acetate	5.024	43	13649	1.378	ug/l	99
20) Methylene Chloride	5.271	84	4416	2.042	ug/l #	71
95) Naphthalene	15.641	128	140999	19.586	ug/l	100

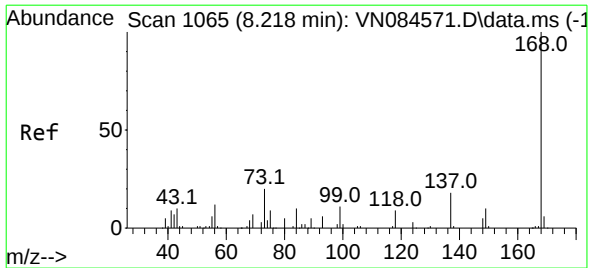
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084800.D
Acq On : 12 Nov 2024 16:49
Operator : JC\MD
Sample : P4799-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-03-G

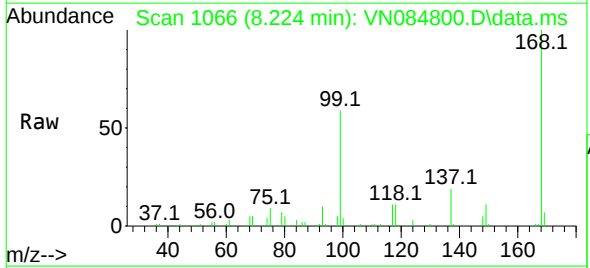
Quant Time: Nov 12 23:39:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



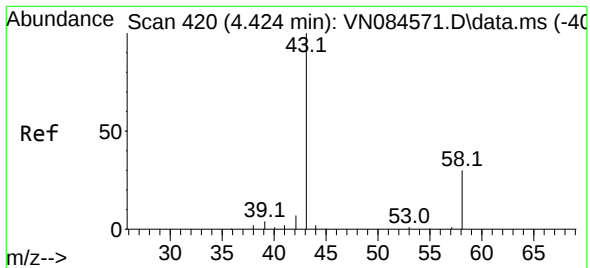
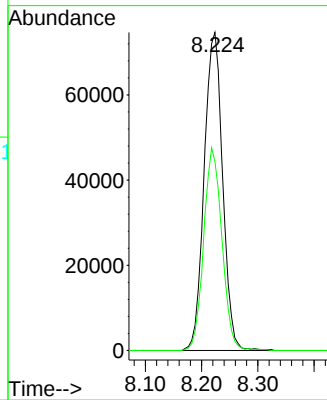
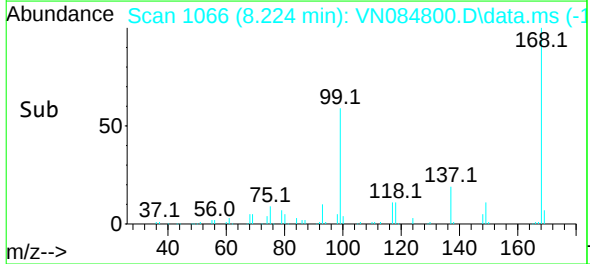


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-03-G

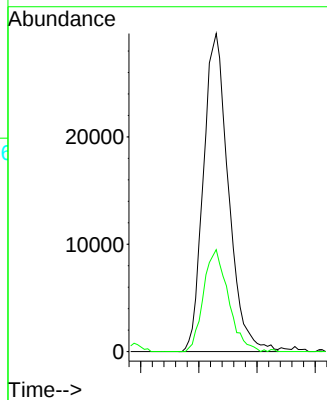
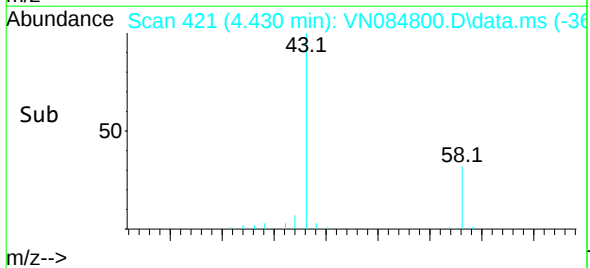
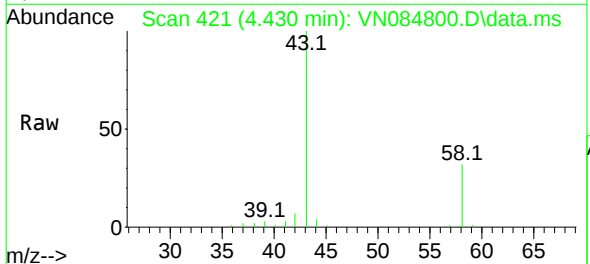


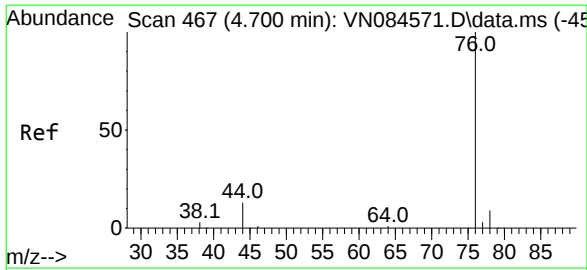
Tgt Ion:168 Resp: 170276
Ion Ratio Lower Upper
168 100
99 59.4 54.2 81.2



#16
Acetone
Concen: 123.237 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion: 43 Resp: 88577
Ion Ratio Lower Upper
43 100
58 32.0 24.4 36.6





#17

Carbon Disulfide

Concen: 1.061 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.012 min

Lab File: VN084800.D

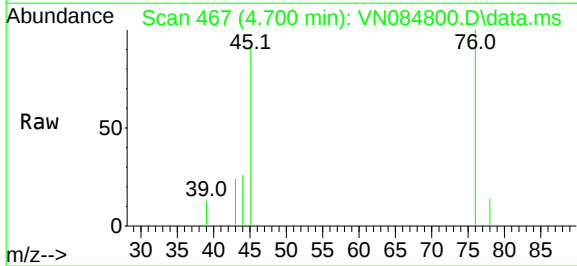
Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-03-G

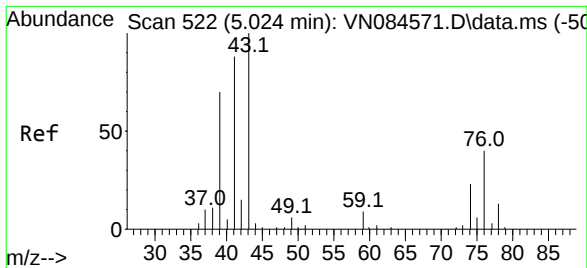
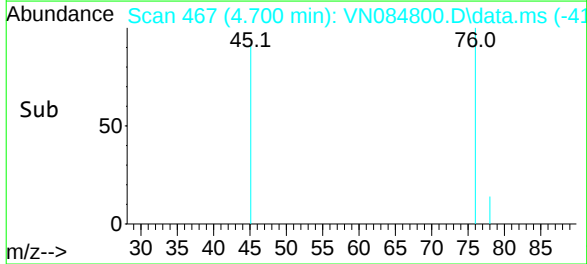
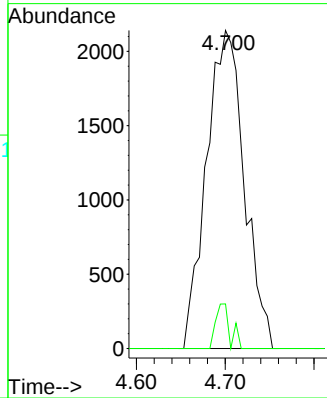


Tgt Ion: 76 Resp: 6337

Ion Ratio Lower Upper

76 100

78 14.0 7.3 10.9#



#18

Methyl Acetate

Concen: 1.378 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN084800.D

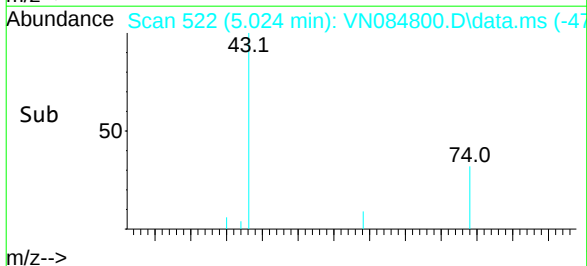
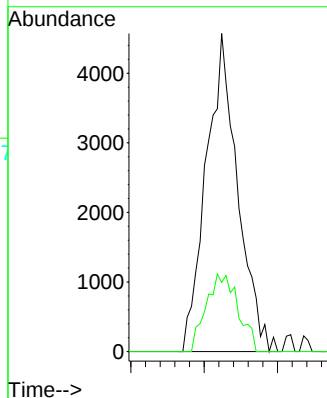
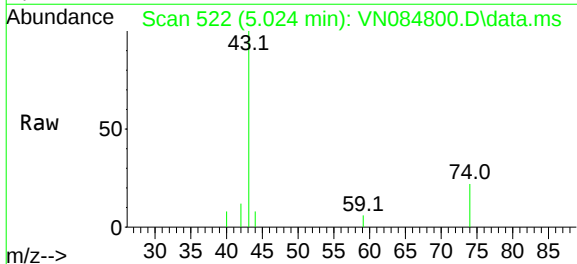
Acq: 12 Nov 2024 16:49

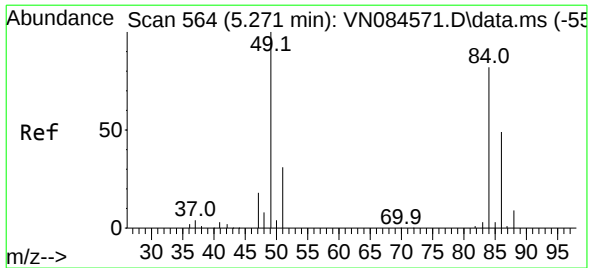
Tgt Ion: 43 Resp: 13649

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8





#20

Methylene Chloride

Concen: 2.042 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN084800.D

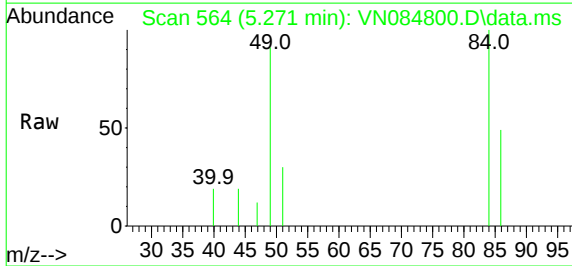
Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-03-G



Tgt Ion: 84 Resp: 4416

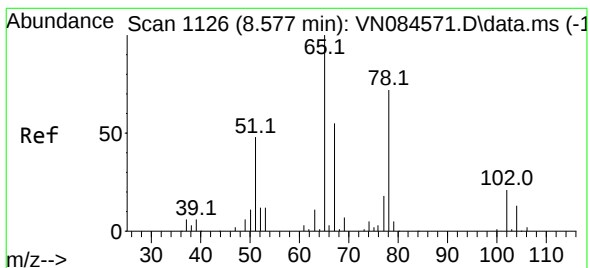
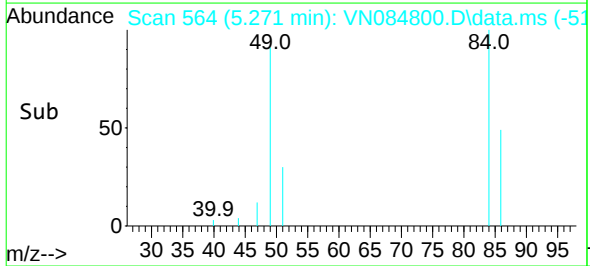
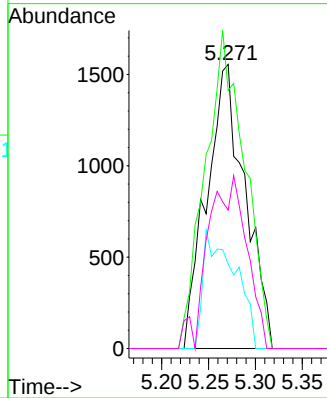
Ion Ratio Lower Upper

84 100

49 90.8 107.2 160.8#

51 29.7 31.8 47.8#

86 48.7 52.9 79.3#



#33

1,2-Dichloroethane-d4

Concen: 49.293 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084800.D

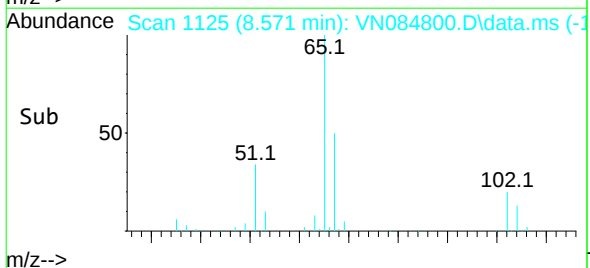
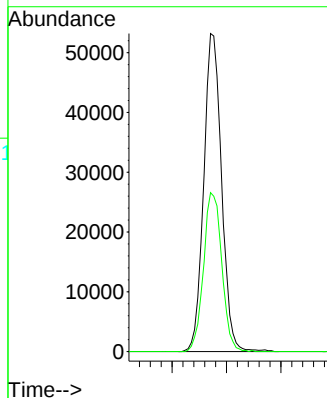
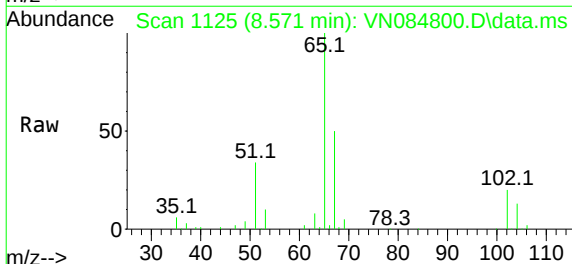
Acq: 12 Nov 2024 16:49

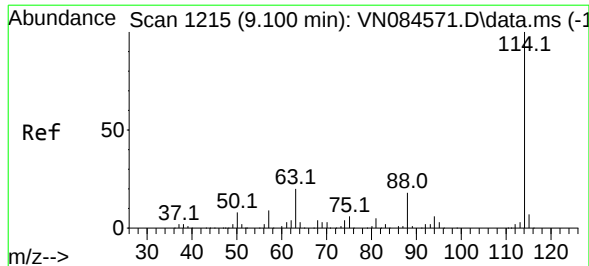
Tgt Ion: 65 Resp: 121229

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.0

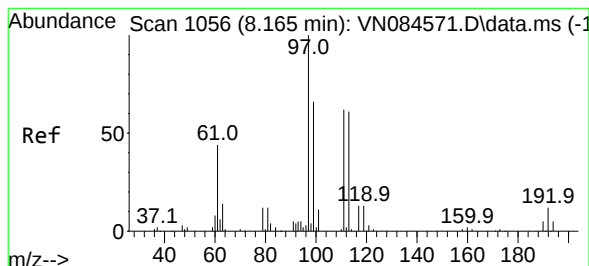
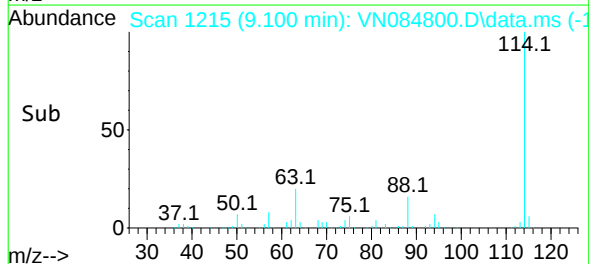
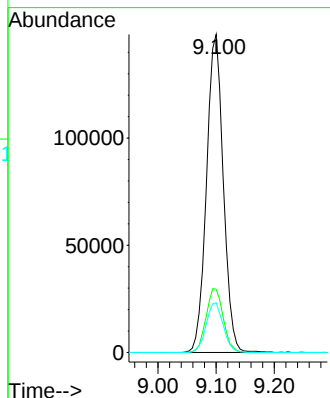
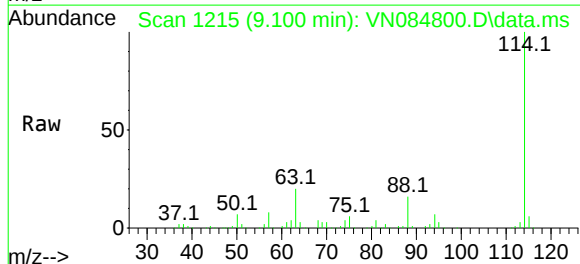




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

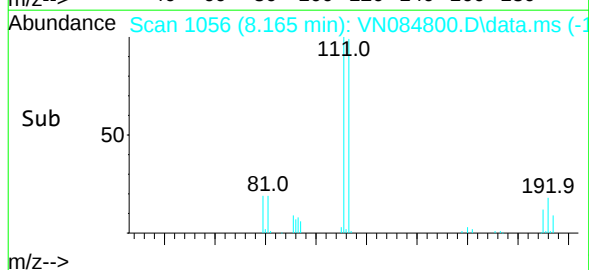
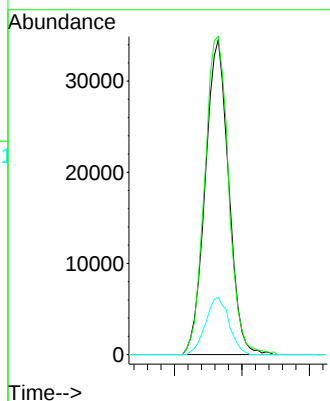
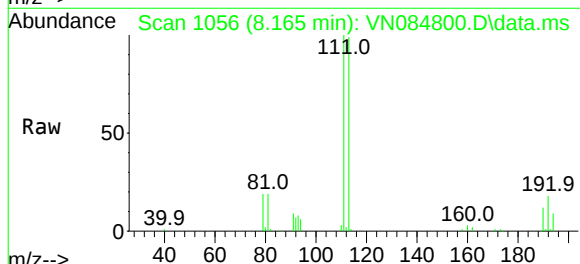
Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-03-G

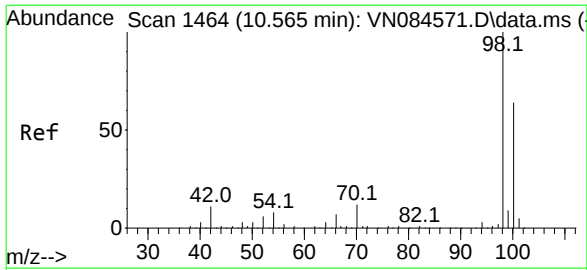
Tgt Ion:	114	Resp:	297743
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.8
88	15.6	0.0	31.6



#35
Dibromofluoromethane
Concen: 41.298 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084800.D
Acq: 12 Nov 2024 16:49

Tgt Ion:	113	Resp:	83230
Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	18.2	13.5	20.3





#50

Toluene-d8

Concen: 45.653 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

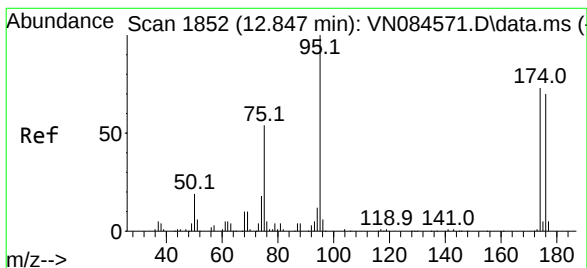
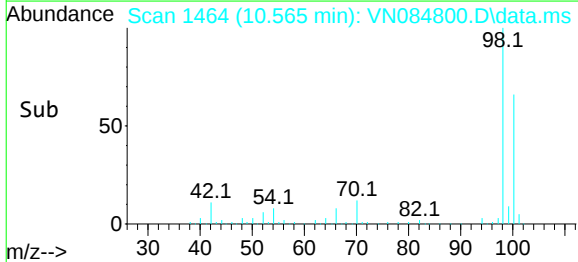
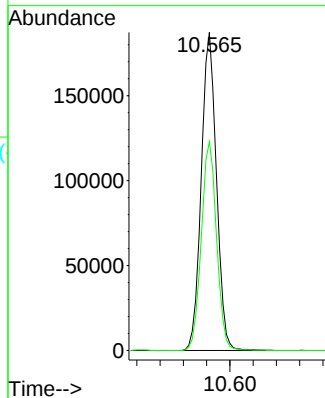
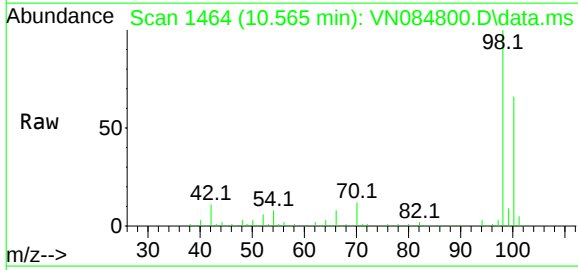
WC-TA2-03-G

Tgt Ion: 98 Resp: 338922

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 49.541 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

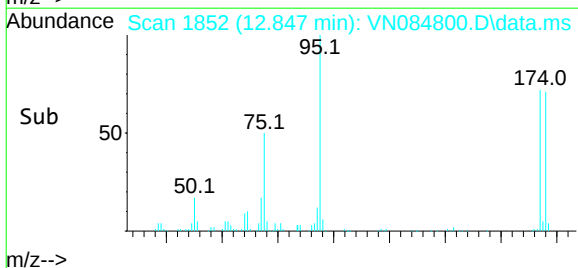
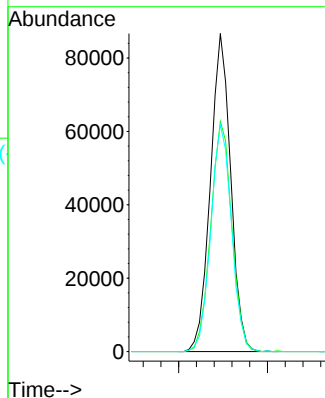
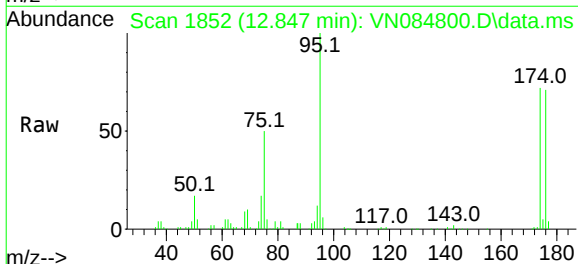
Tgt Ion: 95 Resp: 137454

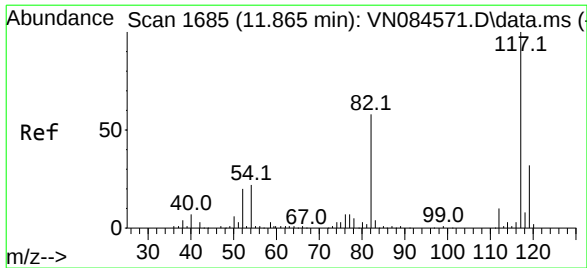
Ion Ratio Lower Upper

95 100

174 75.3 0.0 145.2

176 72.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-03-G

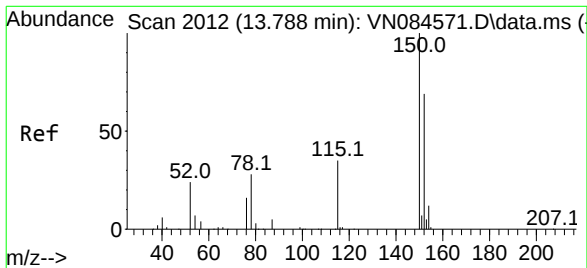
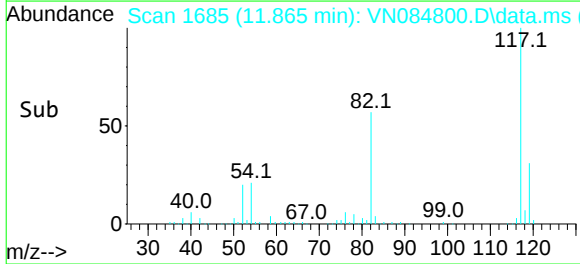
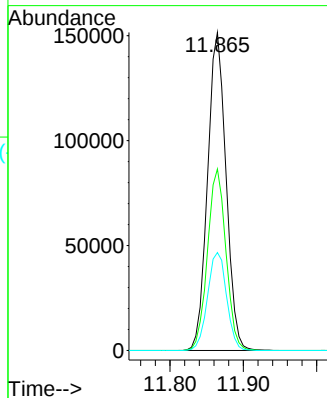
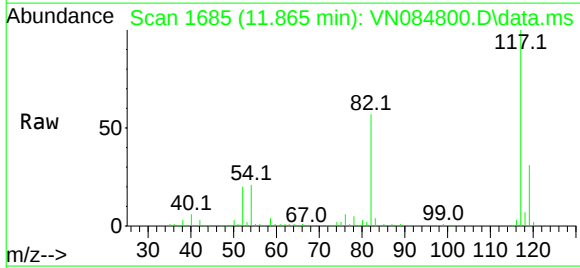
Tgt Ion:117 Resp: 265314

Ion Ratio Lower Upper

117 100

82 57.1 47.2 70.8

119 30.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084800.D

Acq: 12 Nov 2024 16:49

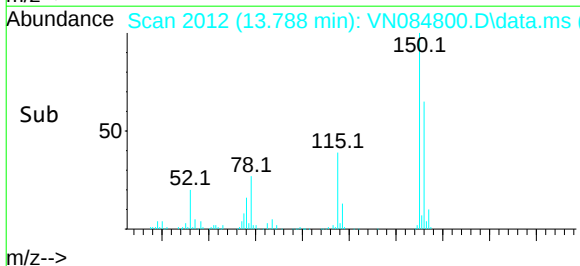
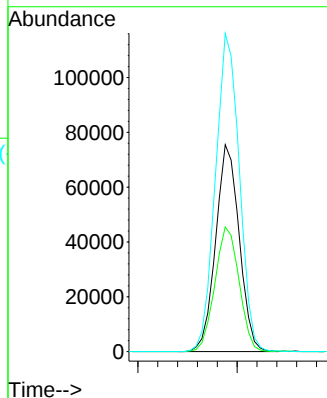
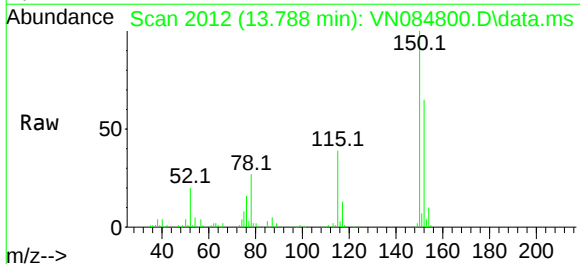
Tgt Ion:152 Resp: 124378

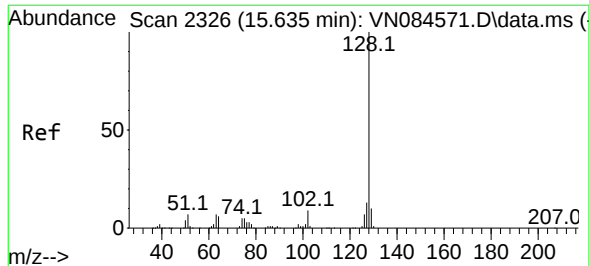
Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.9

150 156.2 0.0 349.8





#95

Naphthalene

Concen: 19.586 ug/l

RT: 15.641 min Scan# 23

Delta R.T. 0.006 min

Lab File: VN084800.D

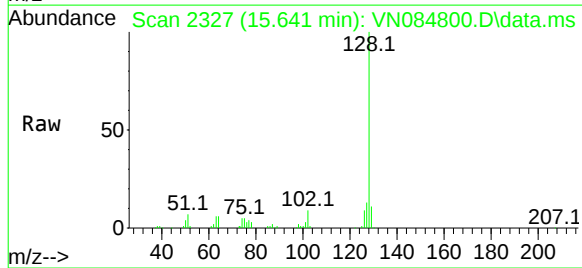
Acq: 12 Nov 2024 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-TA2-03-G



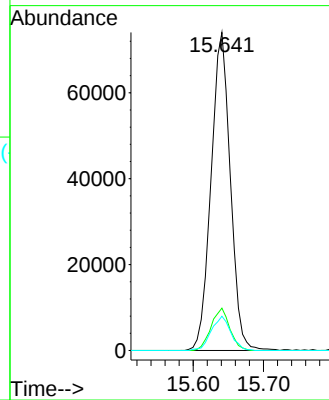
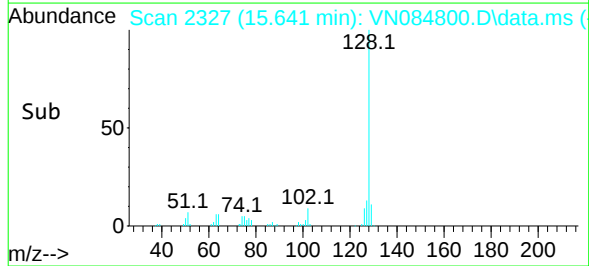
Tgt Ion:128 Resp: 140999

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.9 8.7 13.1



Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-01-G	SDG No.:	P4799
Lab Sample ID:	P4799-09	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084801.D	1		11/12/24 17:13	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	11.8		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	40.7		70 (75) - 130 (124)	81%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	8.224			
540-36-3	1,4-Difluorobenzene	288000	9.1			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084801.D
 Acq On : 12 Nov 2024 17:13
 Operator : JC\MD
 Sample : P4799-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-TA1-01-G

Quant Time: Nov 13 02:33:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

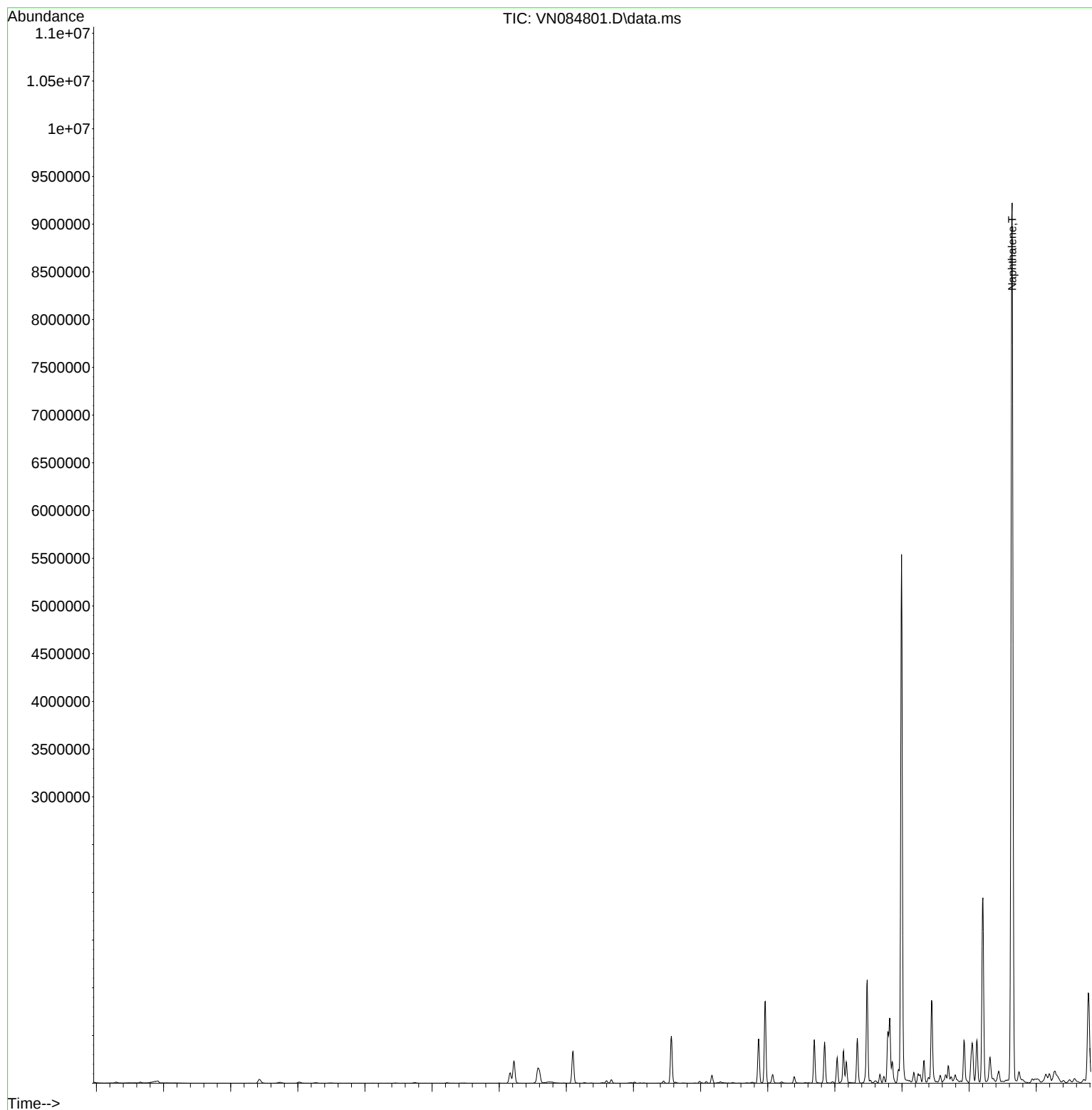
Internal Standards						
1) Pentafluorobenzene	8.224	168	169069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	287640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115886	47.457	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.920%		
35) Dibromofluoromethane	8.159	113	79326	40.743	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.480%		
50) Toluene-d8	10.565	98	342542	47.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.520%		
62) 4-Bromofluorobenzene	12.847	95	151733	56.608	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	113.220%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	79666	111.359	ug/l	97
18) Methyl Acetate	5.018	43	25490	6.413	ug/l	97
20) Methylene Chloride	5.265	84	4274	1.990	ug/l #	71
39) Methylcyclohexane	9.594	83	4208	1.532	ug/l	97
40) Benzene	8.600	78	102118	11.776	ug/l	98
67) Ethyl Benzene	11.965	91	649449	65.282	ug/l	98
68) m/p-Xylenes	12.076	106	28794	7.645	ug/l	95
69) o-Xylene	12.394	106	17362	4.928	ug/l	93
73) Isopropylbenzene	12.694	105	294464	29.716	ug/l	99
78) n-propylbenzene	13.035	91	205958	17.736	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	114592	13.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	626172	73.870	ug/l	99
95) Naphthalene	15.641	128	8746118	1068.596	ug/l	100

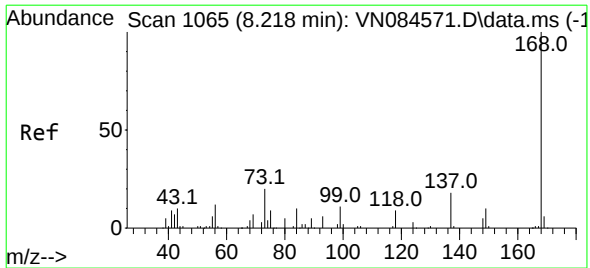
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084801.D
Acq On : 12 Nov 2024 17:13
Operator : JC\MD
Sample : P4799-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-01-G

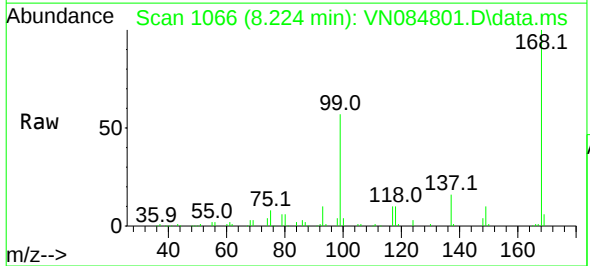
Quant Time: Nov 13 02:33:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



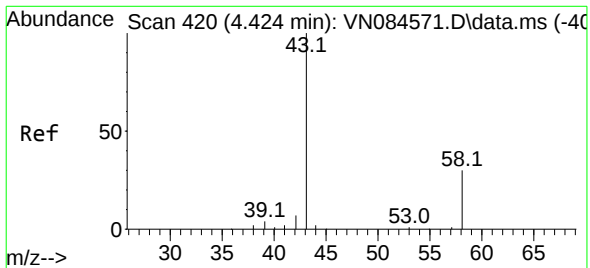
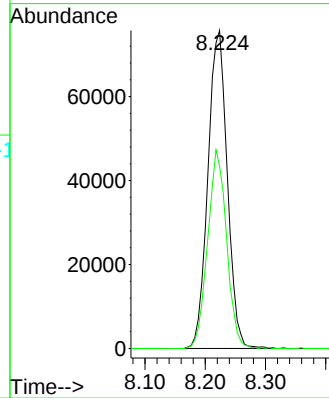
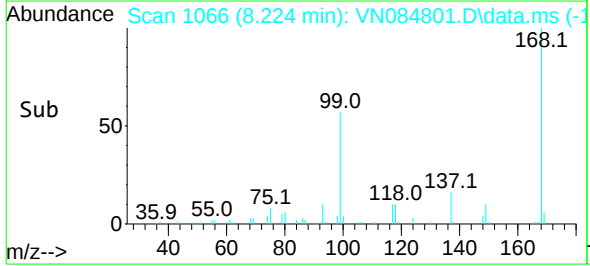


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084801.D
Acq: 12 Nov 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-01-G

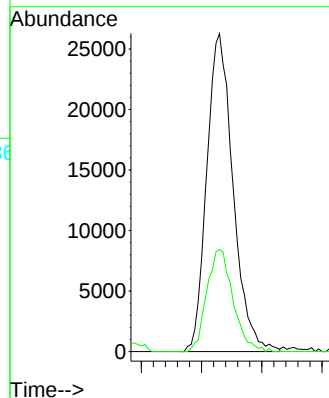
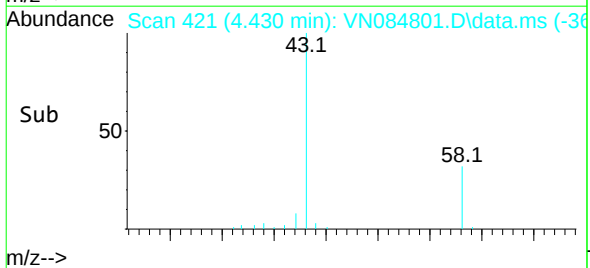
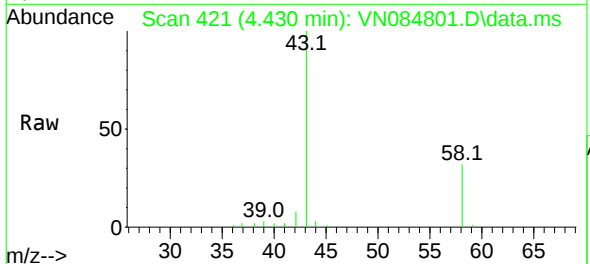


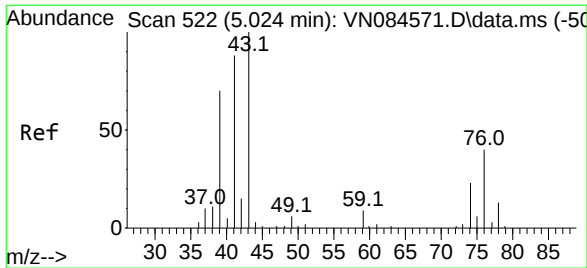
Tgt Ion:168 Resp: 169069
Ion Ratio Lower Upper
168 100
99 57.5 54.2 81.2



#16
Acetone
Concen: 111.359 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084801.D
Acq: 12 Nov 2024 17:13

Tgt Ion: 43 Resp: 79666
Ion Ratio Lower Upper
43 100
58 32.1 24.4 36.6





#18

Methyl Acetate

Concen: 6.413 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

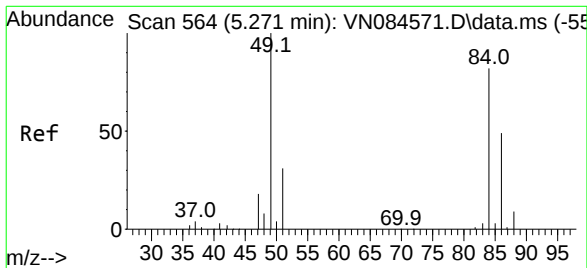
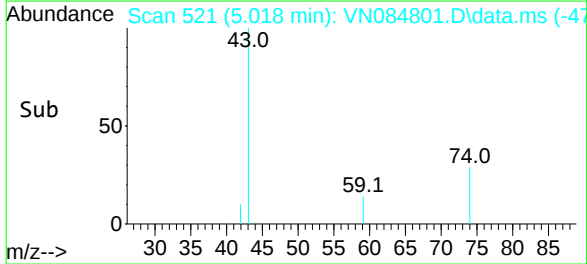
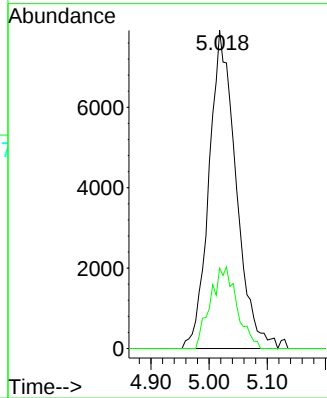
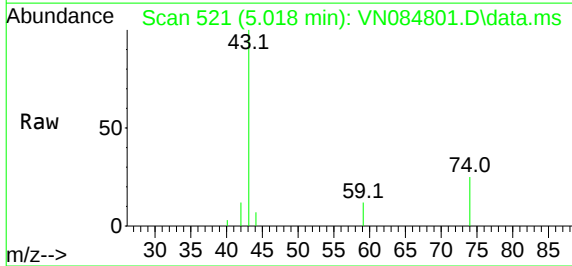
WC-TA1-01-G

Tgt Ion: 43 Resp: 25490

Ion Ratio Lower Upper

43 100

74 25.3 19.2 28.8



#20

Methylene Chloride

Concen: 1.990 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Tgt Ion: 84 Resp: 4274

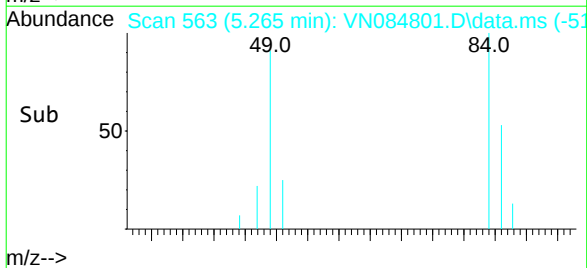
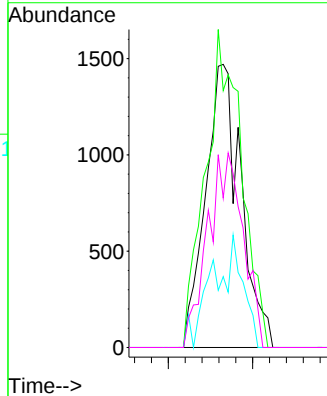
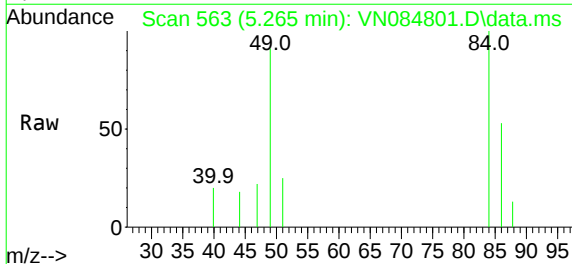
Ion Ratio Lower Upper

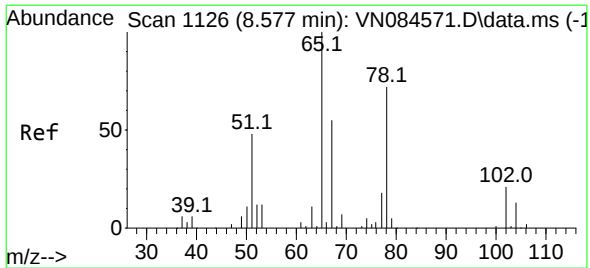
84 100

49 90.7 107.2 160.8#

51 25.0 31.8 47.8#

86 52.8 52.9 79.3#





#33

1,2-Dichloroethane-d4

Concen: 47.457 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

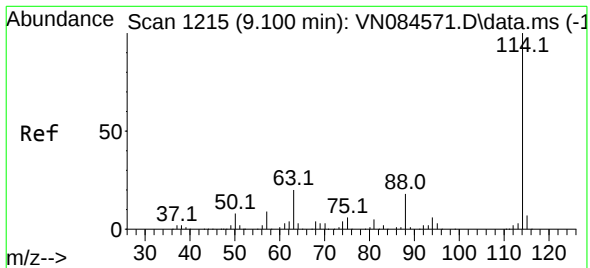
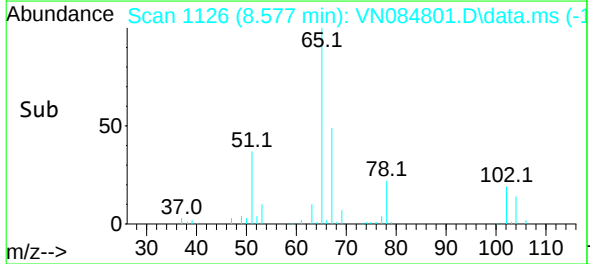
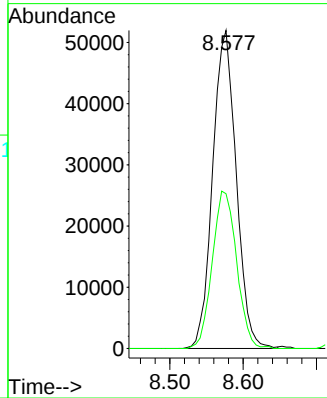
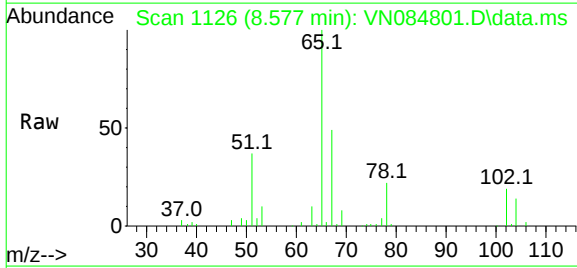
WC-TA1-01-G

Tgt Ion: 65 Resp: 115886

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

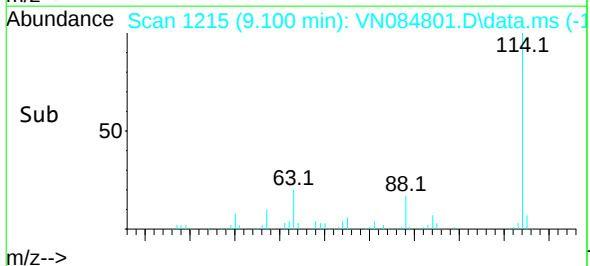
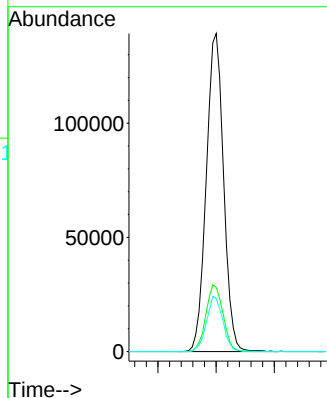
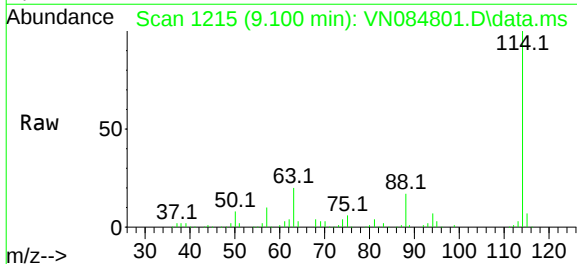
Tgt Ion: 114 Resp: 287640

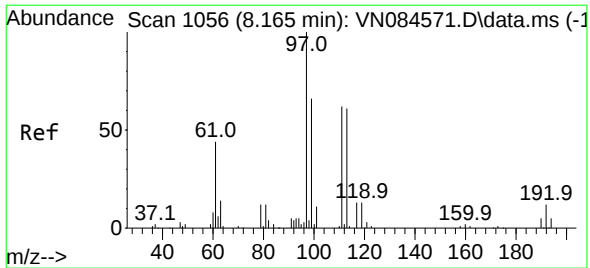
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.8

88 16.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 40.743 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084801.D

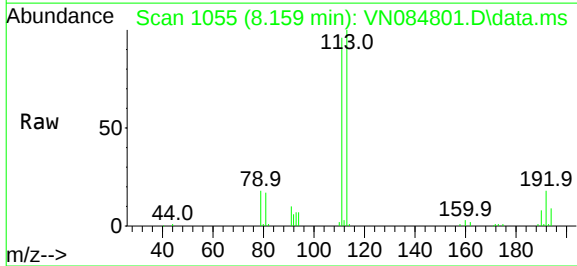
Acq: 12 Nov 2024 17:13

Instrument :

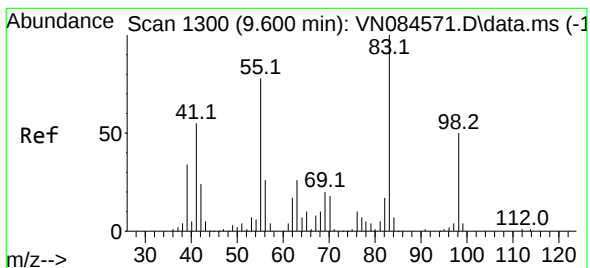
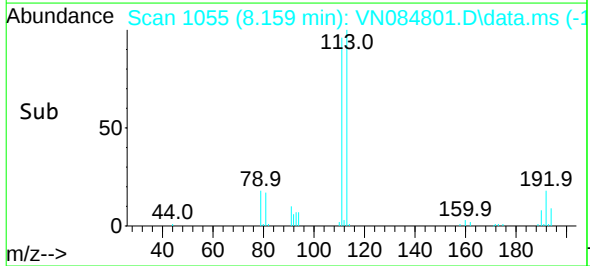
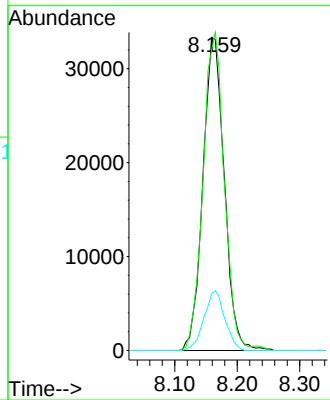
MSVOA_N

ClientSampleId :

WC-TA1-01-G



Tgt Ion:	113	Resp:	79326
Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.3	124.9
192	18.5	13.5	20.3



#39

Methylcyclohexane

Concen: 1.532 ug/l

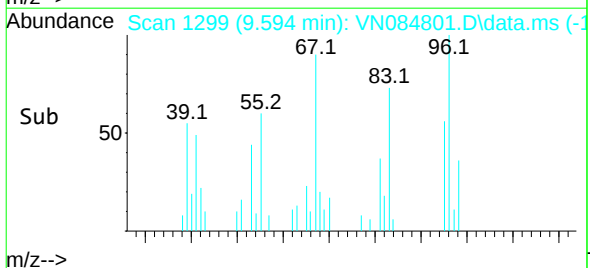
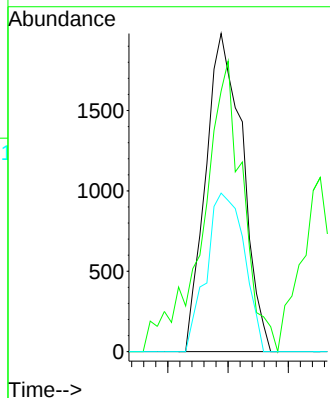
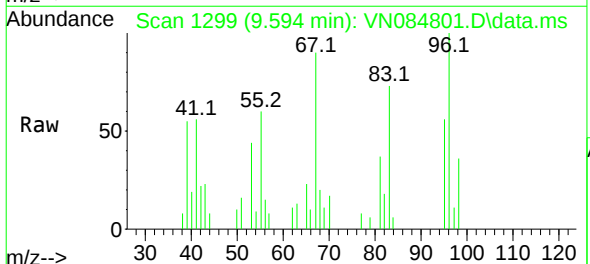
RT: 9.594 min Scan# 1299

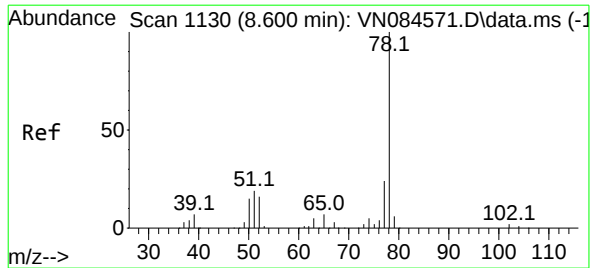
Delta R.T. -0.006 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Tgt Ion:	83	Resp:	4208
Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.8	94.2
98	49.8	38.8	58.2





#40

Benzene

Concen: 11.776 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

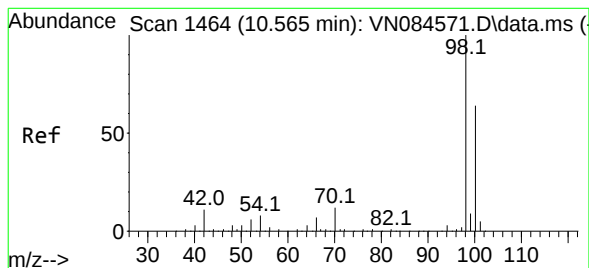
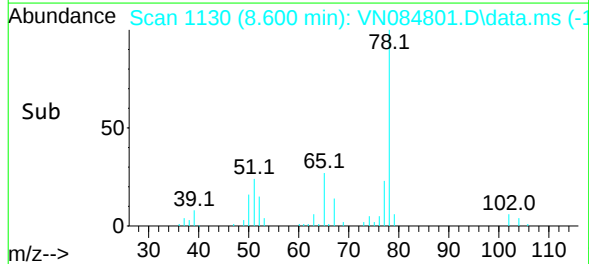
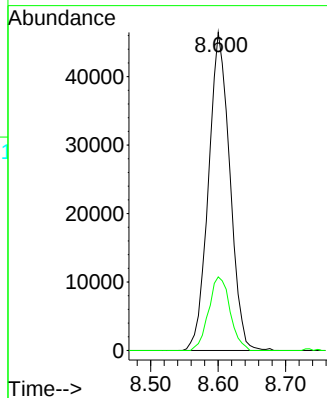
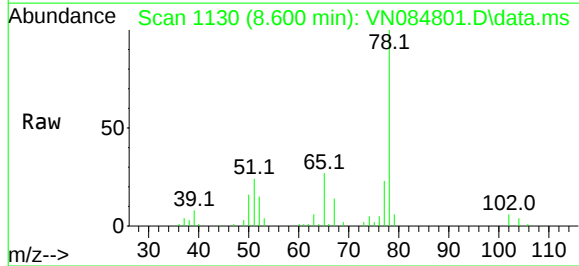
WC-TA1-01-G

Tgt Ion: 78 Resp: 102118

Ion Ratio Lower Upper

78 100

77 23.1 19.1 28.7



#50

Toluene-d8

Concen: 47.761 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084801.D

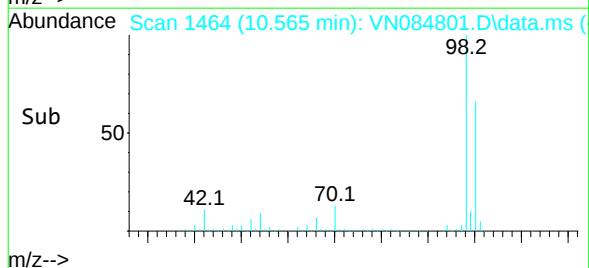
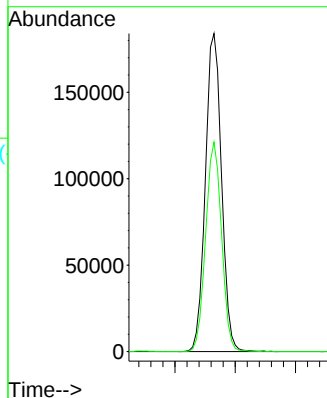
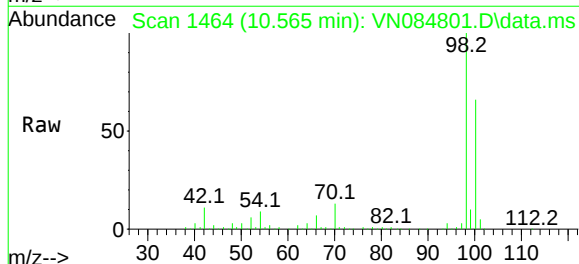
Acq: 12 Nov 2024 17:13

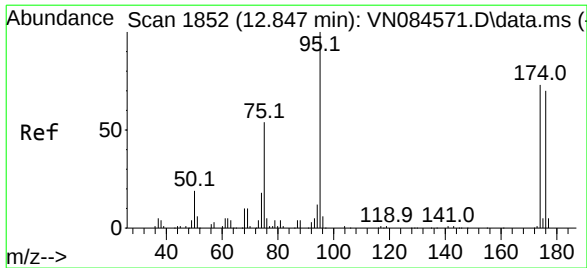
Tgt Ion: 98 Resp: 342542

Ion Ratio Lower Upper

98 100

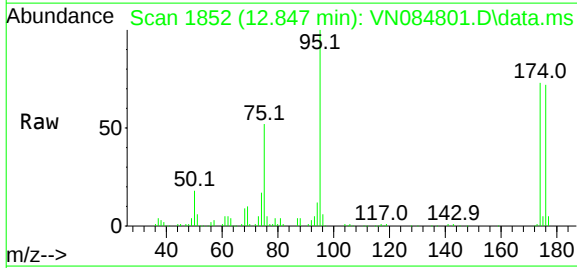
100 64.9 52.7 79.1



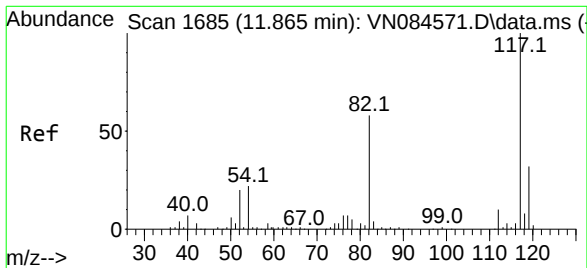
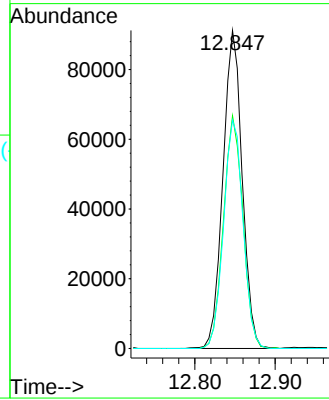
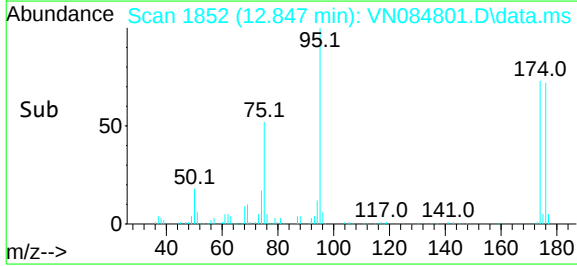


#62
4-Bromofluorobenzene
Concen: 56.608 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084801.D
Acq: 12 Nov 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-01-G

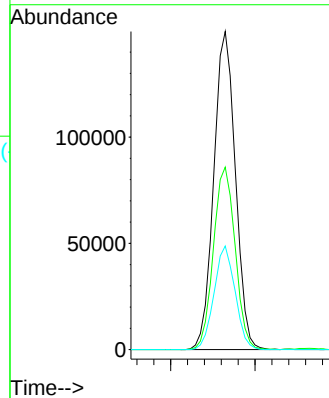
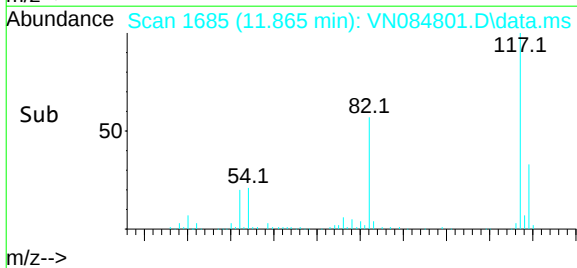
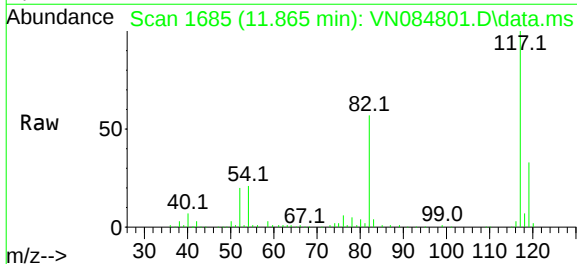


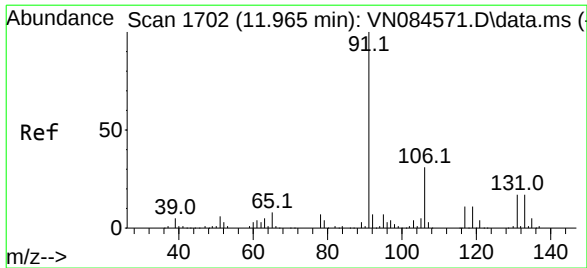
Tgt Ion: 95 Resp: 151733
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.2
176 72.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084801.D
Acq: 12 Nov 2024 17:13

Tgt Ion: 117 Resp: 266403
Ion Ratio Lower Upper
117 100
82 57.4 47.2 70.8
119 32.6 25.4 38.0





#67

Ethyl Benzene

Concen: 65.282 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

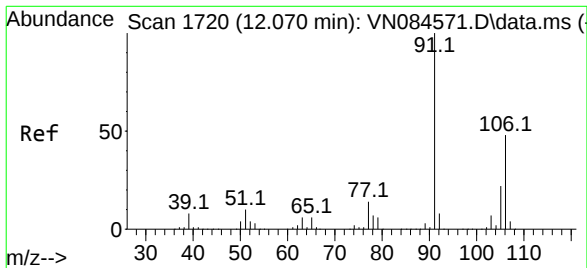
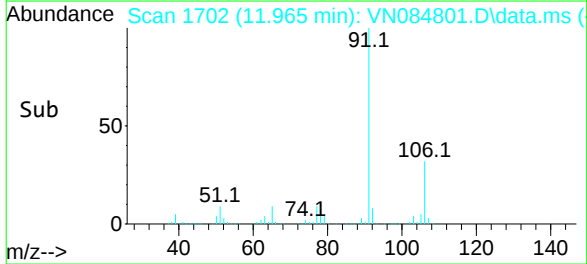
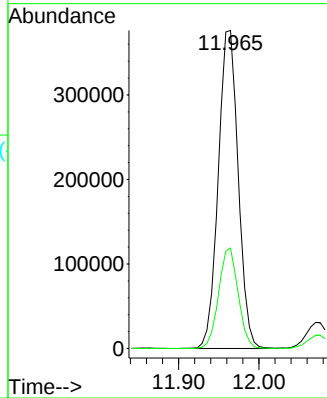
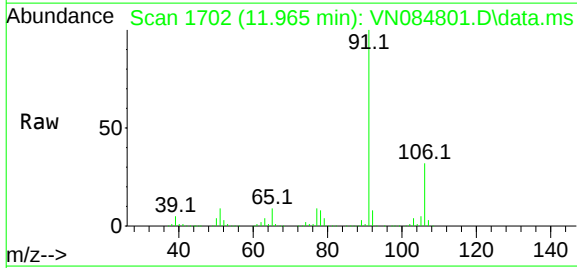
WC-TA1-01-G

Tgt Ion: 91 Resp: 649449

Ion Ratio Lower Upper

91 100

106 31.6 24.5 36.7



#68

m/p-Xylenes

Concen: 7.645 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN084801.D

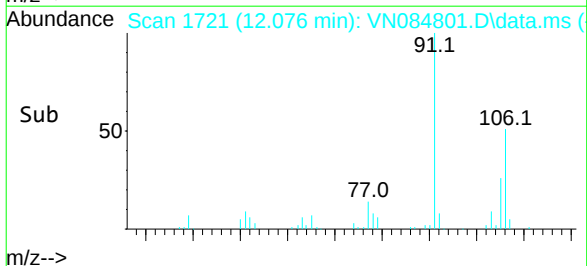
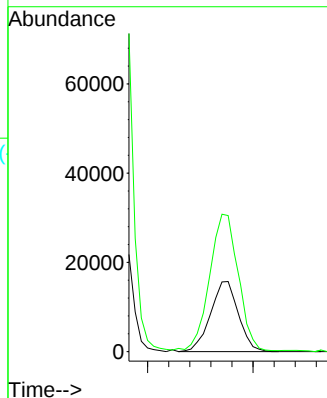
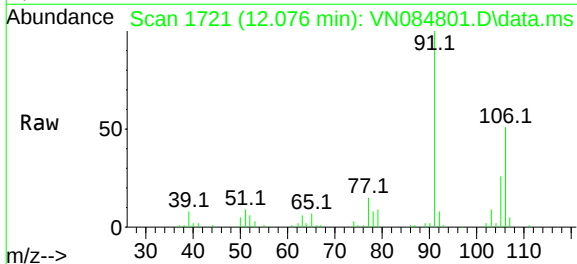
Acq: 12 Nov 2024 17:13

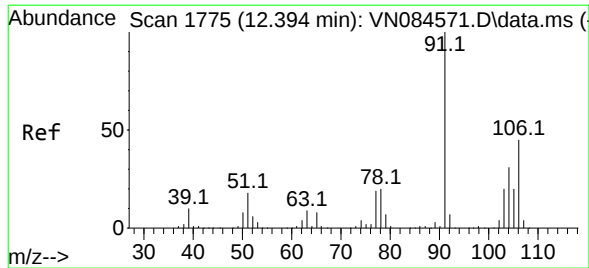
Tgt Ion:106 Resp: 28794

Ion Ratio Lower Upper

106 100

91 200.8 167.1 250.7





#69

o-Xylene

Concen: 4.928 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

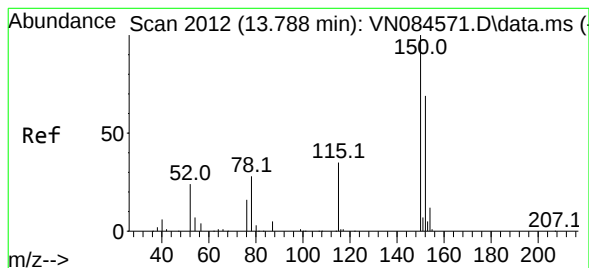
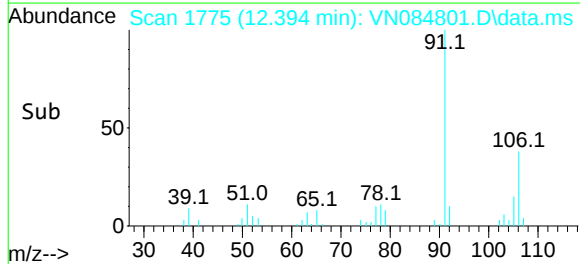
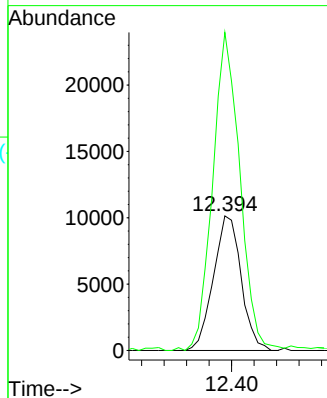
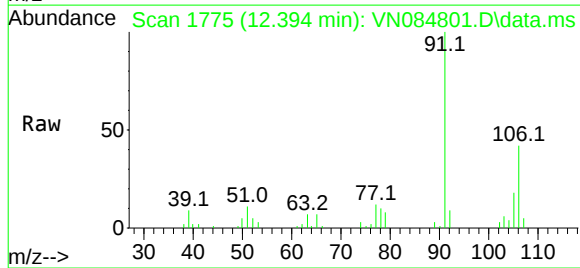
WC-TA1-01-G

Tgt Ion:106 Resp: 17362

Ion Ratio Lower Upper

106 100

91 231.3 110.2 330.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

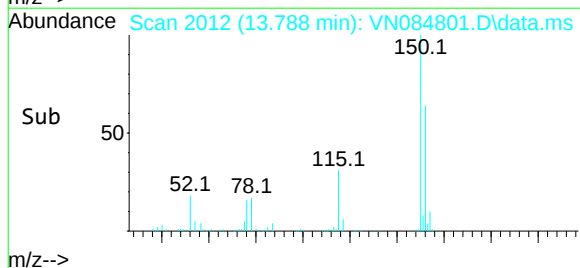
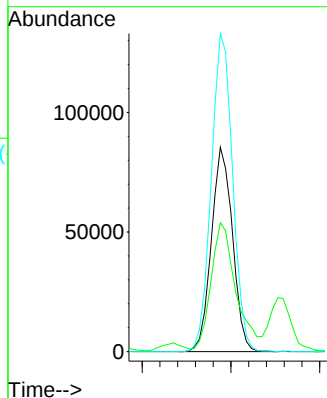
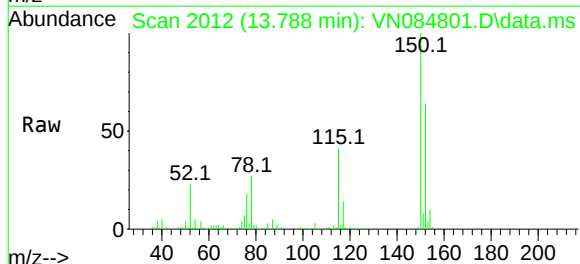
Tgt Ion:152 Resp: 141406

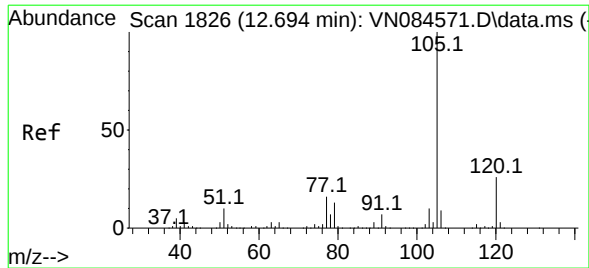
Ion Ratio Lower Upper

152 100

115 70.7 31.3 93.9

150 157.4 0.0 349.8





#73

Isopropylbenzene

Concen: 29.716 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

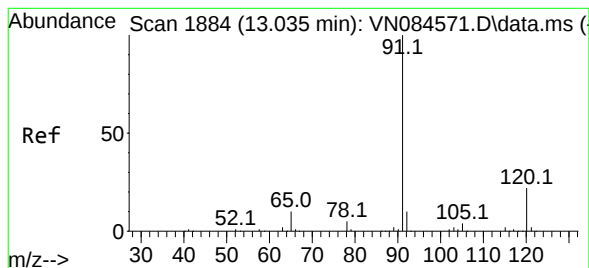
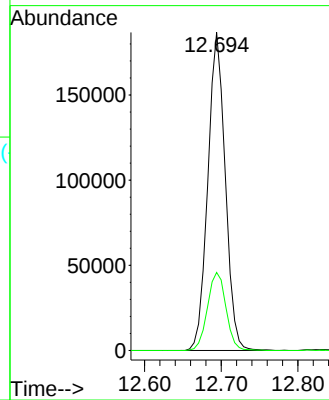
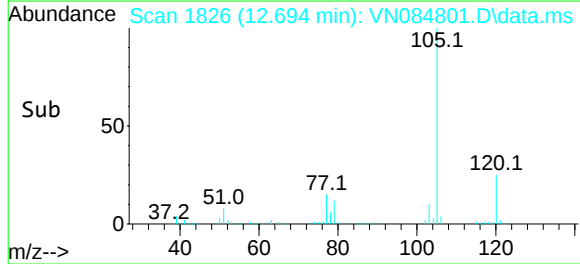
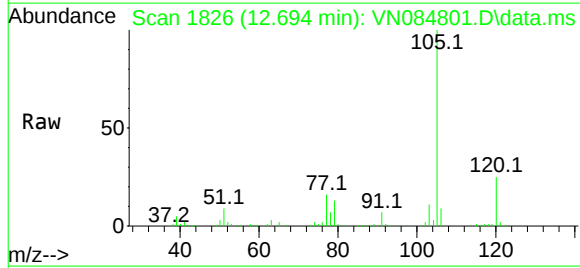
WC-TA1-01-G

Tgt Ion:105 Resp: 294464

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#78

n-propylbenzene

Concen: 17.736 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN084801.D

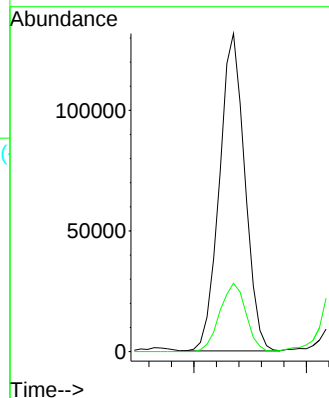
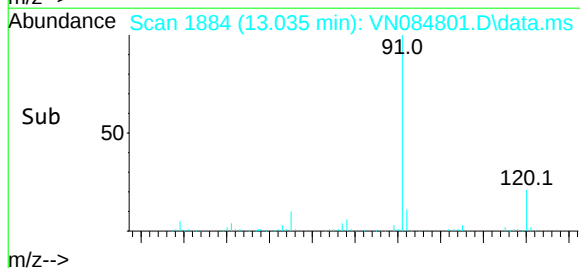
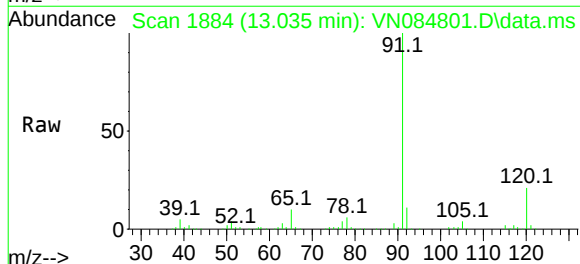
Acq: 12 Nov 2024 17:13

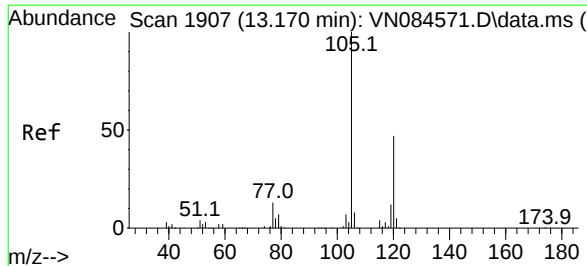
Tgt Ion: 91 Resp: 205958

Ion Ratio Lower Upper

91 100

120 22.2 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 13.952 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084801.D

Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

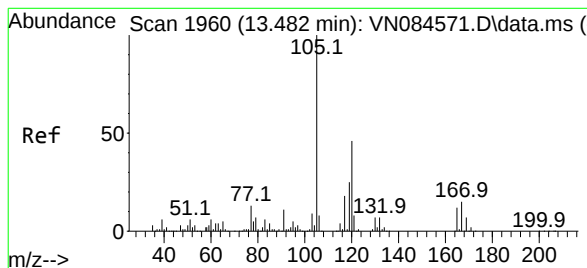
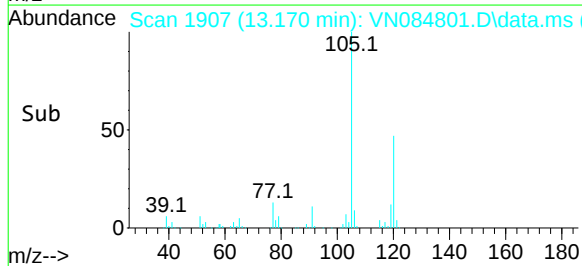
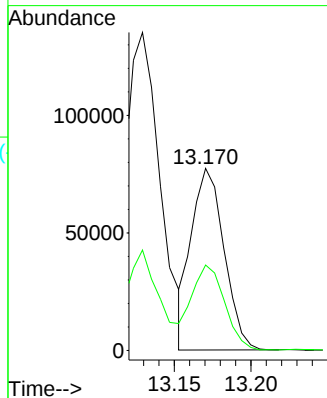
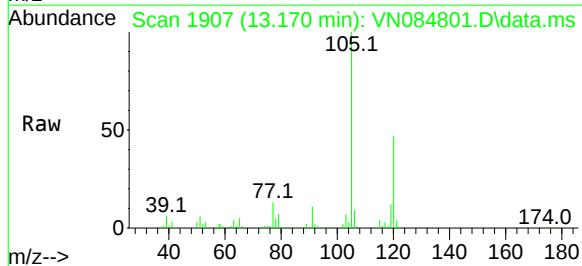
WC-TA1-01-G

Tgt Ion:105 Resp: 114592

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 73.870 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084801.D

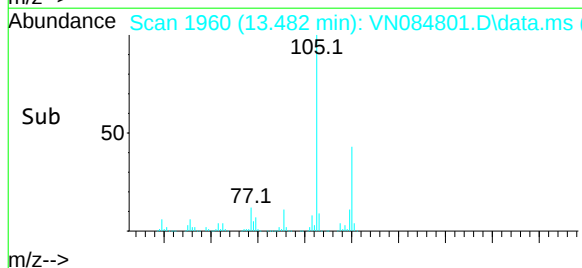
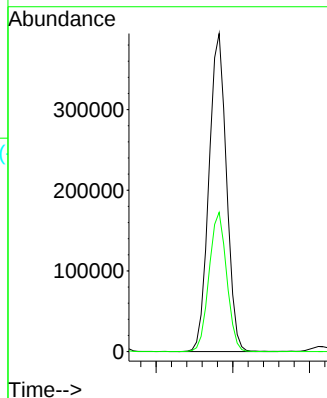
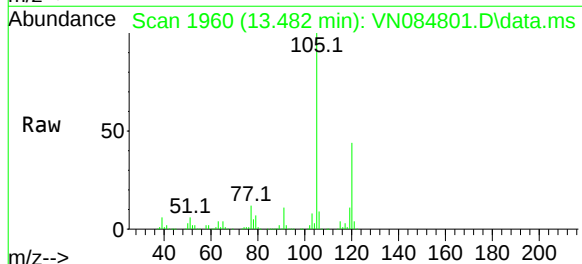
Acq: 12 Nov 2024 17:13

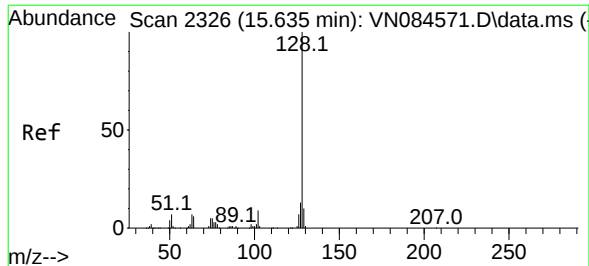
Tgt Ion:105 Resp: 626172

Ion Ratio Lower Upper

105 100

120 43.9 22.3 66.8





#95

Naphthalene

Concen: 1068.596 ug/l

RT: 15.641 min Scan# 23

Delta R.T. 0.006 min

Lab File: VN084801.D

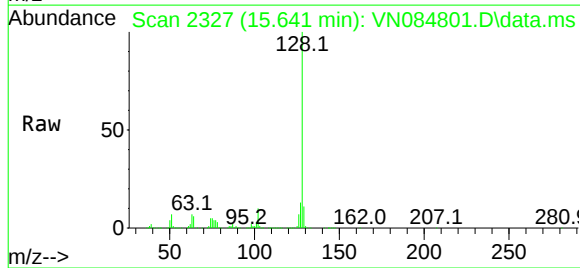
Acq: 12 Nov 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-01-G



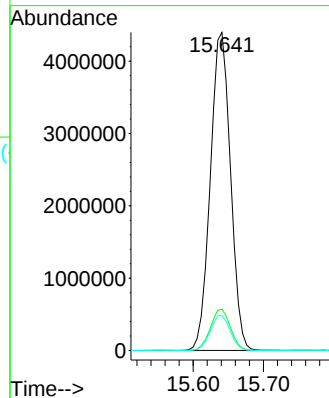
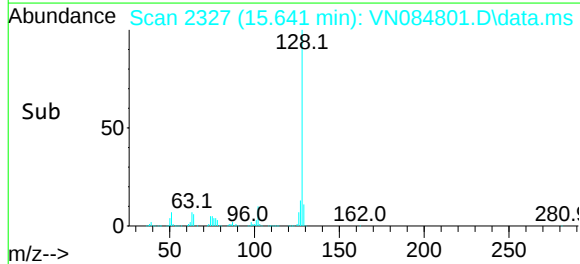
Tgt Ion:128 Resp: 8746118

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

128	100		
-----	-----	--	--

127	12.9	10.5	15.7
-----	------	------	------

129	10.9	8.7	13.1
-----	------	-----	------



Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-02-G	SDG No.:	P4799
Lab Sample ID:	P4799-13	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084802.D	1		11/12/24 17:38	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	14.3		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.8		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	38.4		70 (75) - 130 (124)	77%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.9		70 (77) - 130 (121)	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	8.224			
540-36-3	1,4-Difluorobenzene	302000	9.094			
3114-55-4	Chlorobenzene-d5	283000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084802.D
 Acq On : 12 Nov 2024 17:38
 Operator : JC\MD
 Sample : P4799-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-TA1-02-G

Quant Time: Nov 13 02:33:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

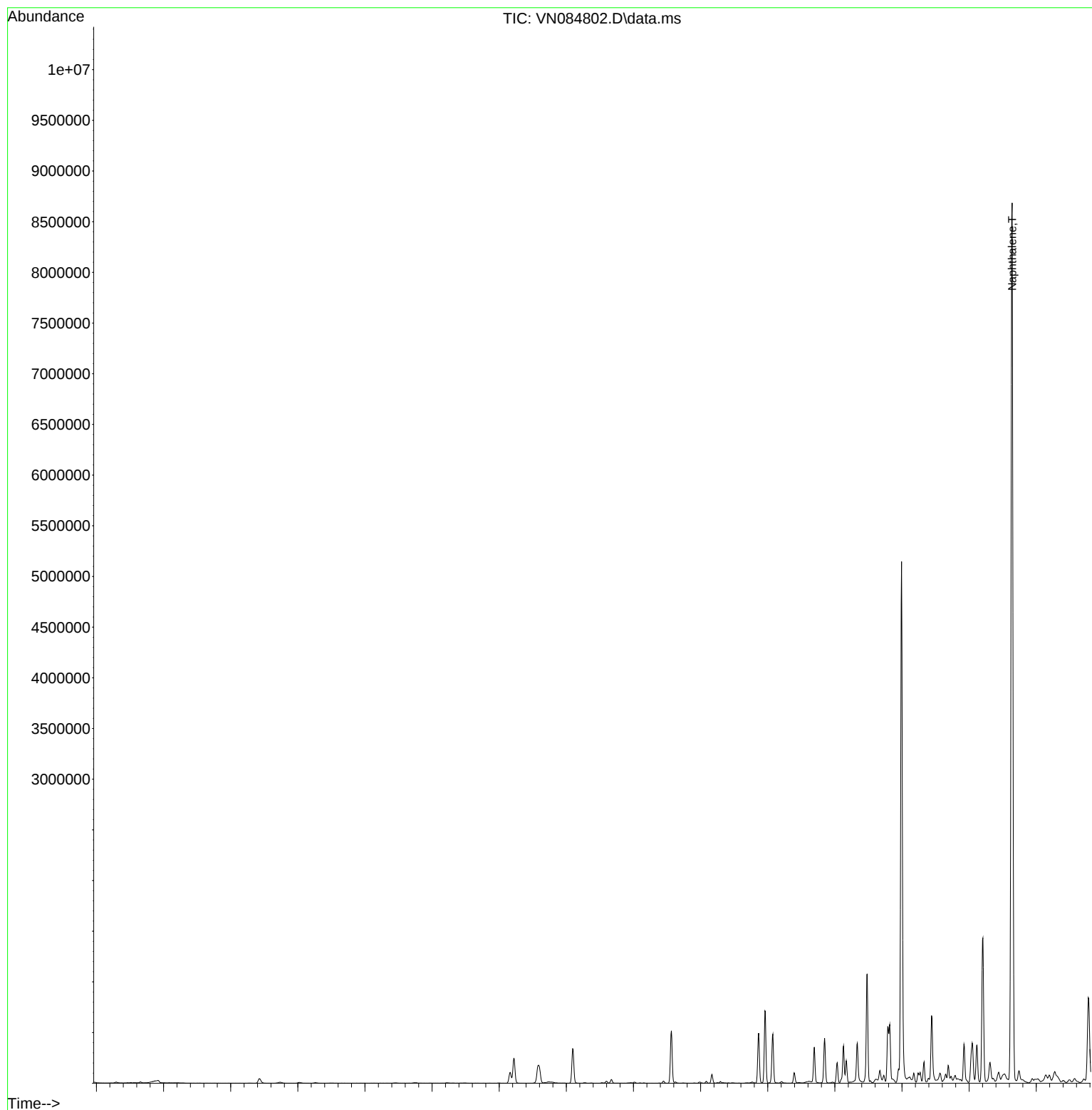
Internal Standards						
1) Pentafluorobenzene	8.224	168	178622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	301620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118219	45.823	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.640%		
35) Dibromofluoromethane	8.159	113	78349	38.376	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	76.760%		
50) Toluene-d8	10.565	98	357279	47.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.020%		
62) 4-Bromofluorobenzene	12.847	95	157029	55.868	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.740%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	83997	111.127	ug/l	95
18) Methyl Acetate	5.024	43	16699	2.328	ug/l	93
20) Methylene Chloride	5.265	84	4281	1.887	ug/l	87
39) Methylcyclohexane	9.594	83	3985	1.383	ug/l #	78
40) Benzene	8.600	78	130344	14.334	ug/l	99
67) Ethyl Benzene	11.959	91	537311	50.780	ug/l	99
68) m/p-Xylenes	12.076	106	145316	36.276	ug/l	99
69) o-Xylene	12.394	106	27862	7.435	ug/l	99
73) Isopropylbenzene	12.694	105	233033	22.515	ug/l	99
78) n-propylbenzene	13.035	91	161637	13.327	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	115740	13.492	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	637413	71.993	ug/l	99
86) p-Isopropyltoluene	13.729	119	22488	2.734	ug/l #	73
95) Naphthalene	15.641	128	8114855	949.238	ug/l	100

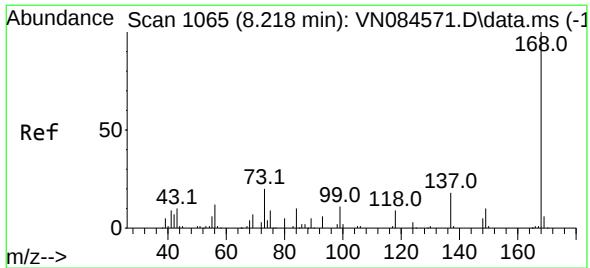
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084802.D
Acq On : 12 Nov 2024 17:38
Operator : JC\MD
Sample : P4799-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-02-G

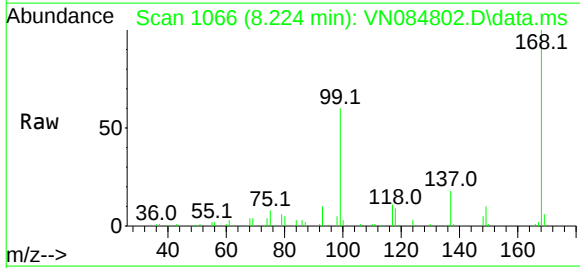
Quant Time: Nov 13 02:33:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



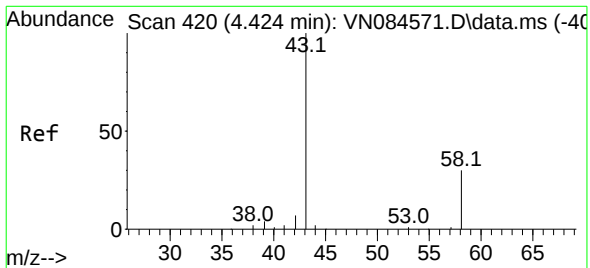
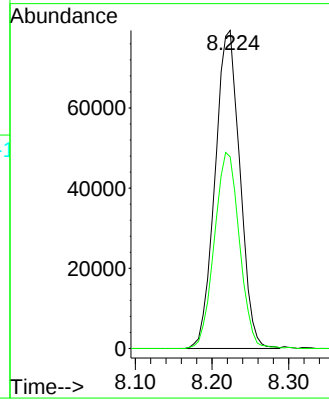
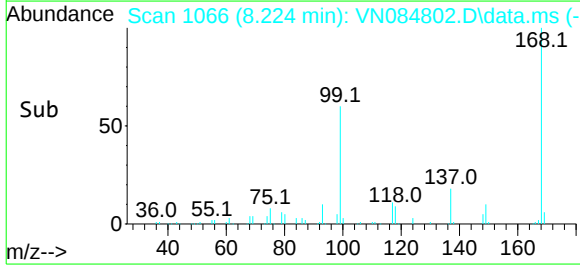


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084802.D
Acq: 12 Nov 2024 17:38

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-02-G

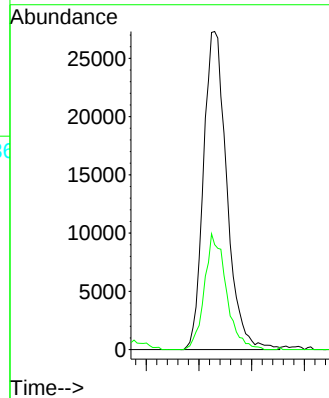
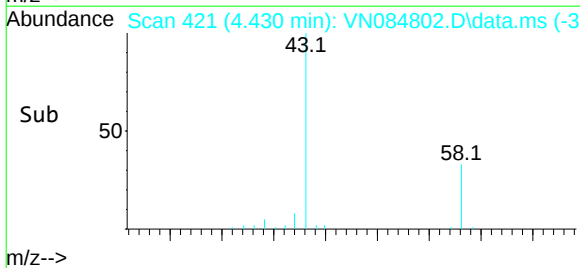
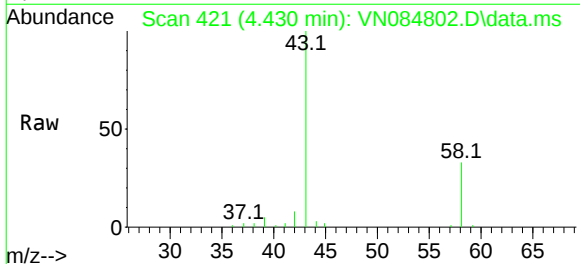


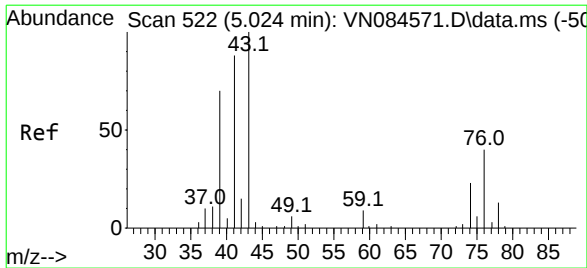
Tgt Ion:168 Resp: 178622
Ion Ratio Lower Upper
168 100
99 60.3 54.2 81.2



#16
Acetone
Concen: 111.127 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084802.D
Acq: 12 Nov 2024 17:38

Tgt Ion: 43 Resp: 83997
Ion Ratio Lower Upper
43 100
58 33.0 24.4 36.6





#18

Methyl Acetate

Concen: 2.328 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

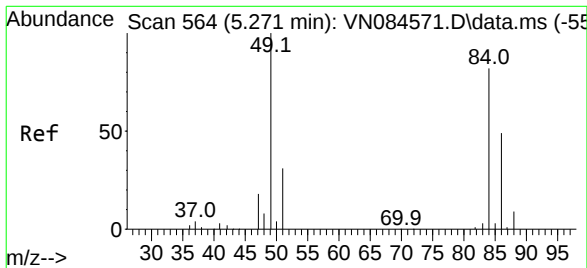
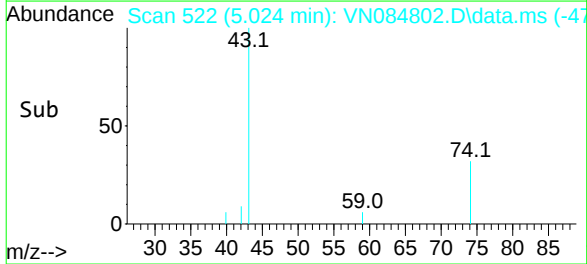
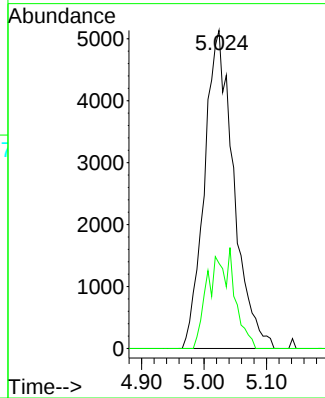
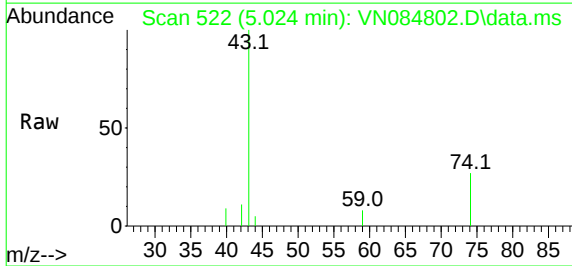
Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-02-G

Tgt Ion:	43	Resp:	16699
Ion	Ratio	Lower	Upper
43	100		
74	27.5	19.2	28.8



#20

Methylene Chloride

Concen: 1.887 ug/l

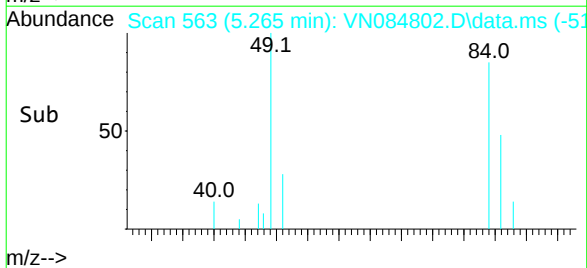
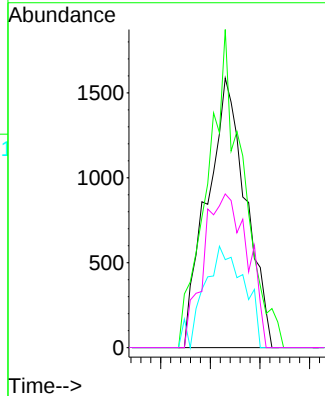
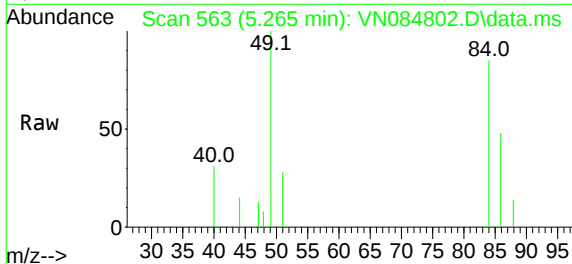
RT: 5.265 min Scan# 563

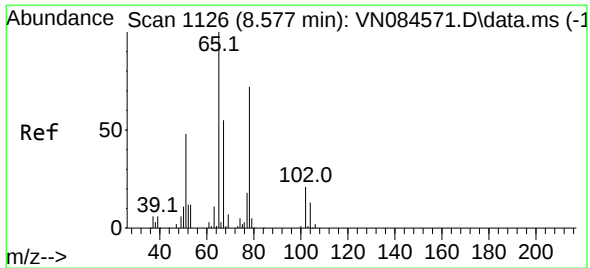
Delta R.T. -0.012 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Tgt Ion:	84	Resp:	4281
Ion	Ratio	Lower	Upper
84	100		
49	118.0	107.2	160.8
51	32.6	31.8	47.8
86	57.0	52.9	79.3

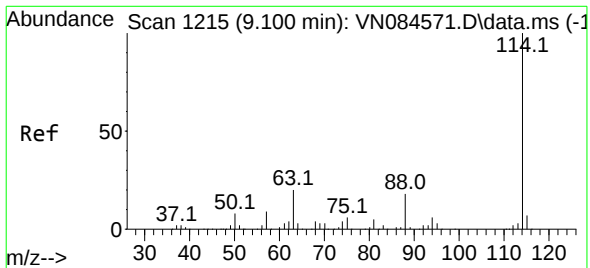
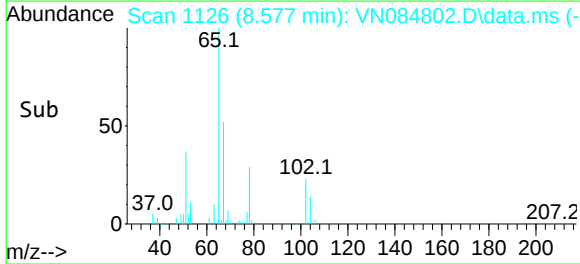
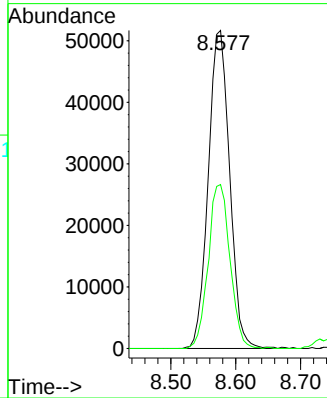
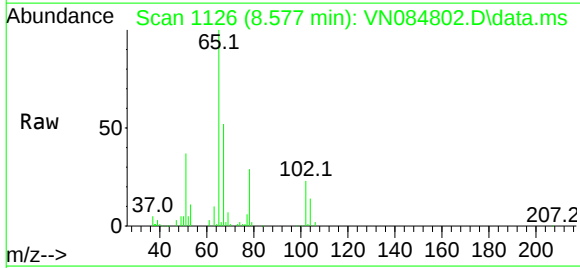




#33
1,2-Dichloroethane-d4
Concen: 45.823 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084802.D
Acq: 12 Nov 2024 17:38

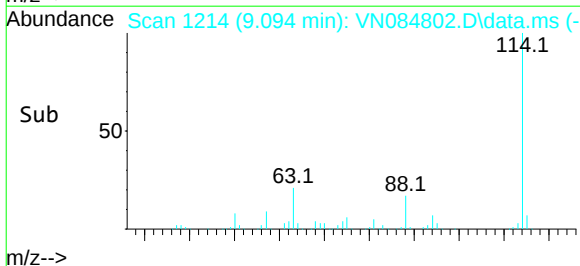
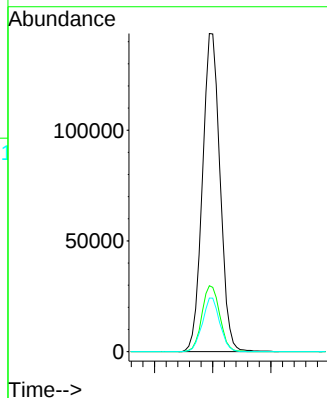
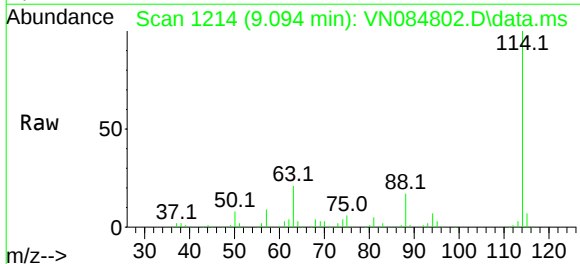
Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-02-G

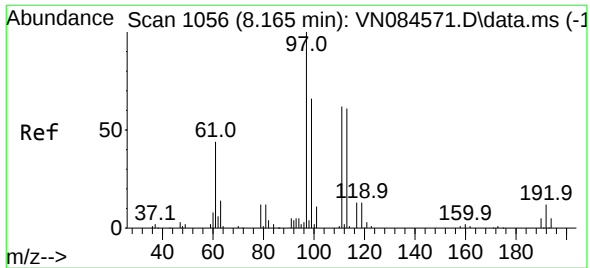
Tgt Ion: 65 Resp: 118219
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN084802.D
Acq: 12 Nov 2024 17:38

Tgt Ion: 114 Resp: 301620
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.8
88 16.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 38.376 ug/l

RT: 8.159 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN084802.D

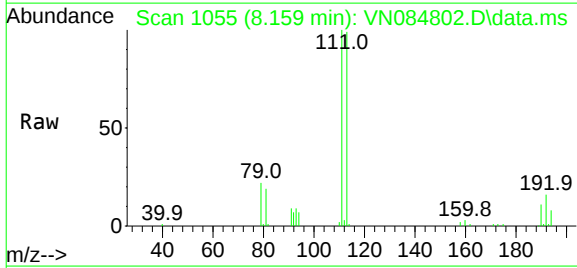
Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-02-G



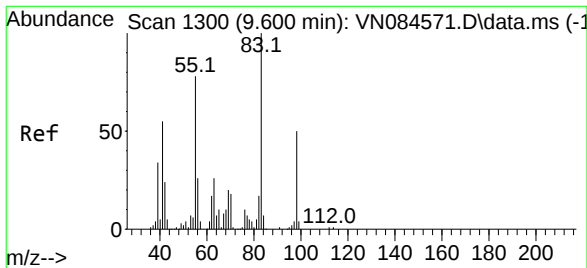
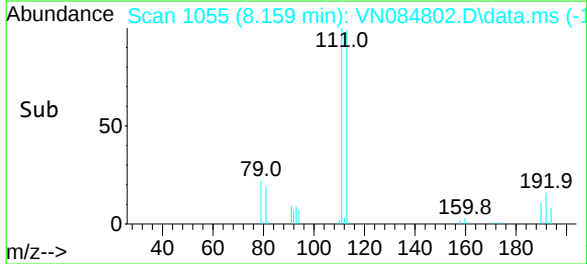
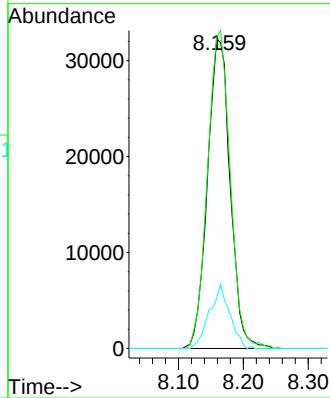
Tgt Ion:113 Resp: 78349

Ion Ratio Lower Upper

113 100

111 103.0 83.3 124.9

192 18.5 13.5 20.3



#39

Methylcyclohexane

Concen: 1.383 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

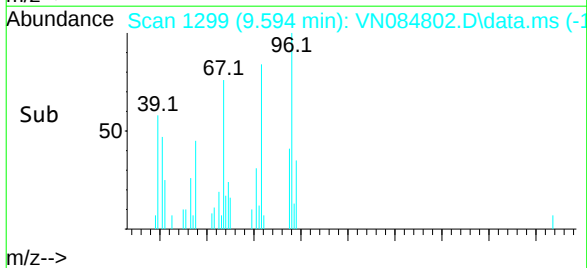
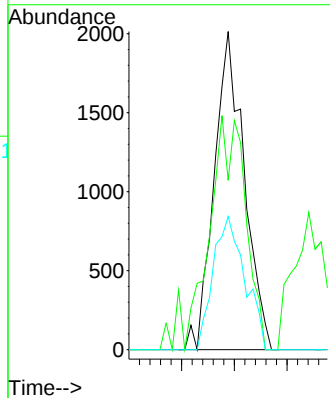
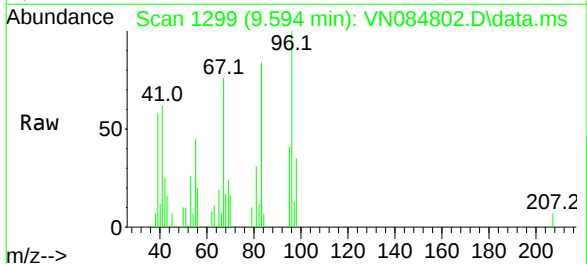
Tgt Ion: 83 Resp: 3985

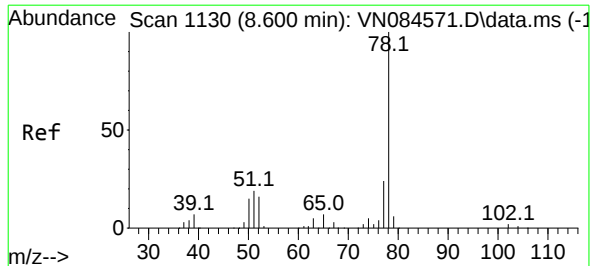
Ion Ratio Lower Upper

83 100

55 53.2 62.8 94.2#

98 41.9 38.8 58.2





#40

Benzene

Concen: 14.334 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

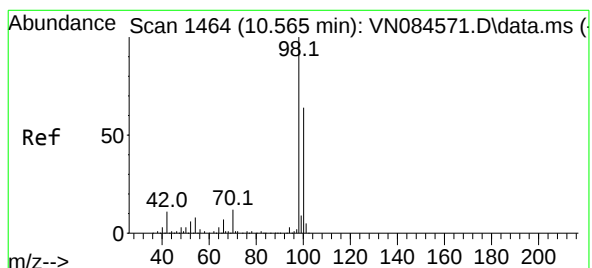
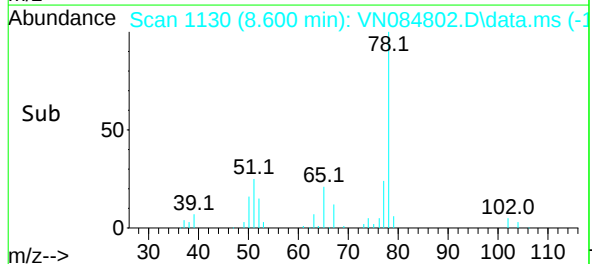
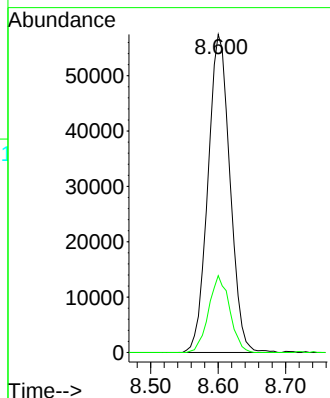
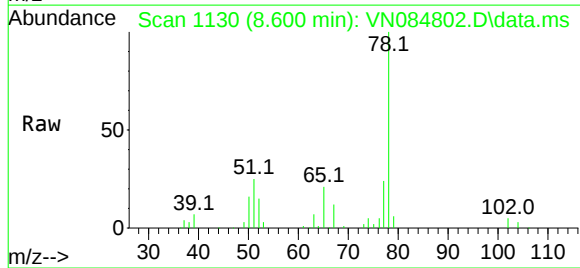
WC-TA1-02-G

Tgt Ion: 78 Resp: 130344

Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7



#50

Toluene-d8

Concen: 47.507 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084802.D

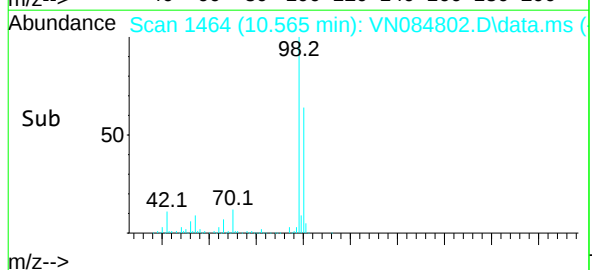
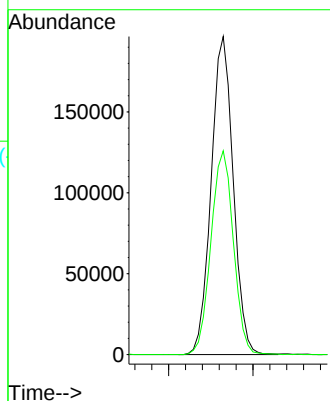
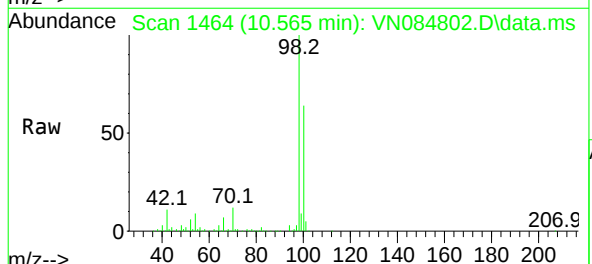
Acq: 12 Nov 2024 17:38

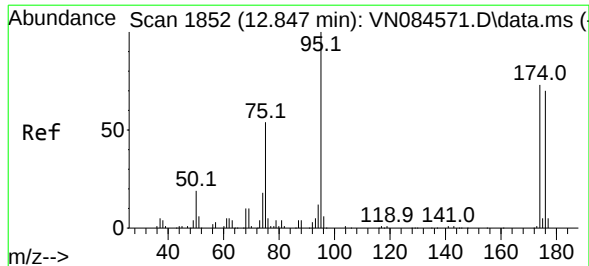
Tgt Ion: 98 Resp: 357279

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 55.868 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN084802.D

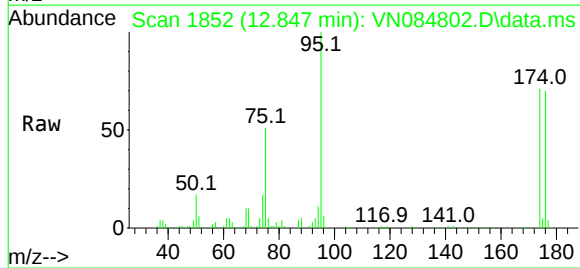
Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-02-G



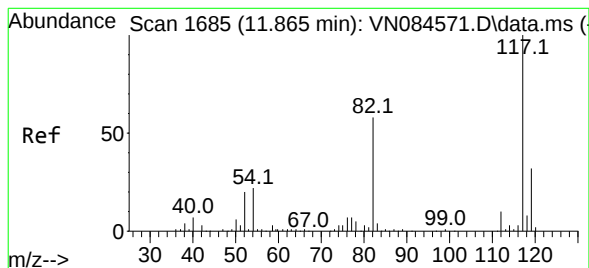
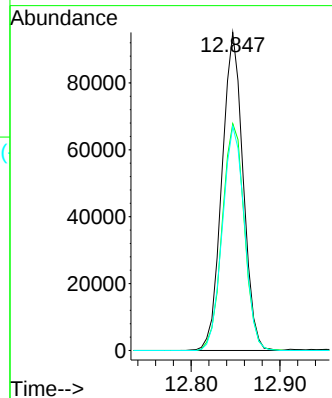
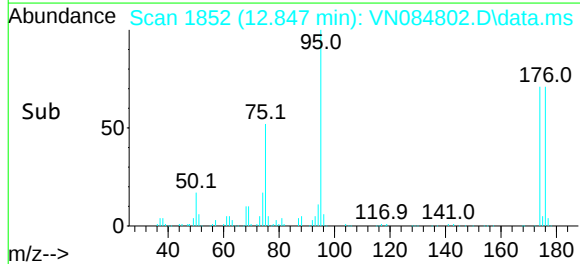
Tgt Ion: 95 Resp: 157029

Ion Ratio Lower Upper

95 100

174 74.5 0.0 145.2

176 73.2 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

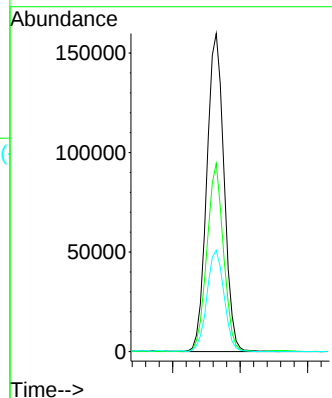
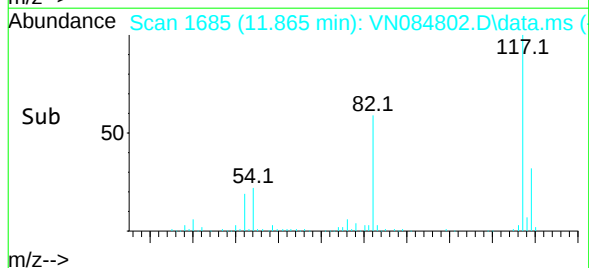
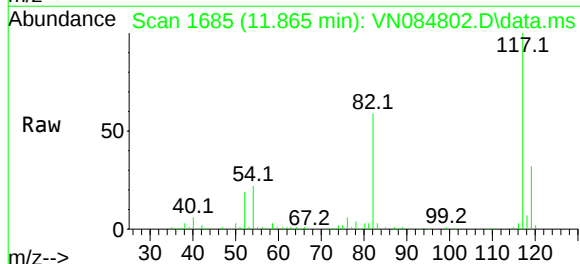
Tgt Ion: 117 Resp: 283346

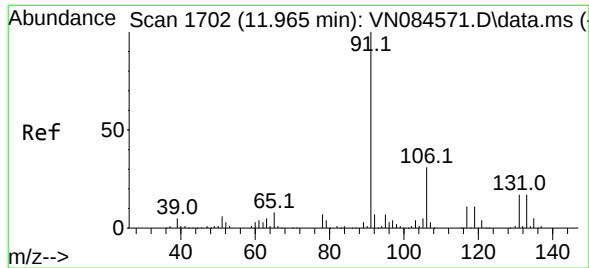
Ion Ratio Lower Upper

117 100

82 59.1 47.2 70.8

119 31.8 25.4 38.0





#67

Ethyl Benzene

Concen: 50.780 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN084802.D

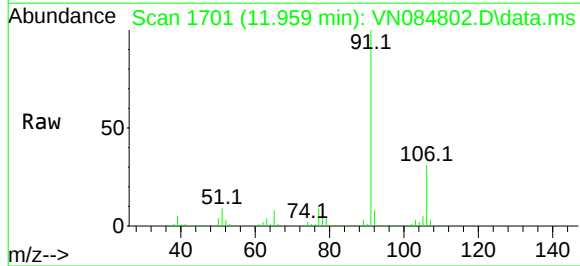
Acq: 12 Nov 2024 17:38

Instrument :

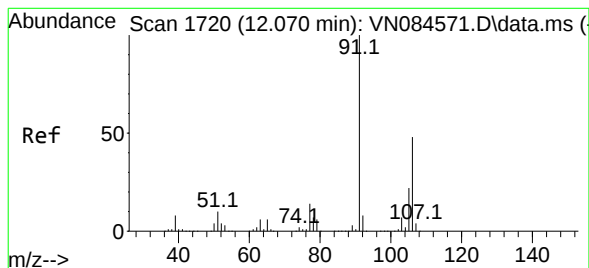
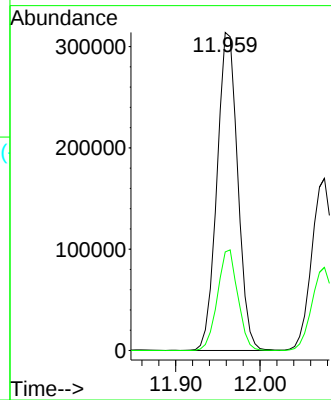
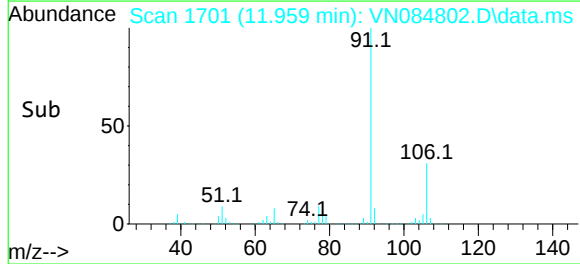
MSVOA_N

ClientSampleId :

WC-TA1-02-G



Tgt Ion: 91 Resp: 537311
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7



#68

m/p-Xylenes

Concen: 36.276 ug/l

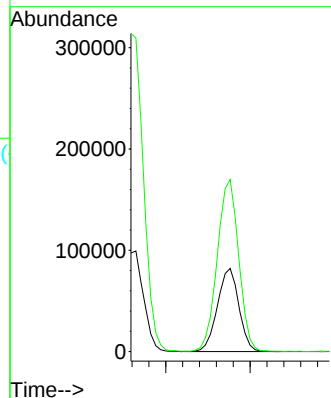
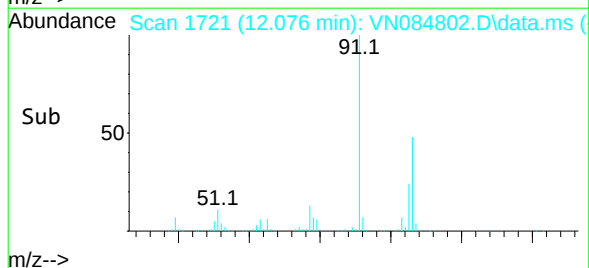
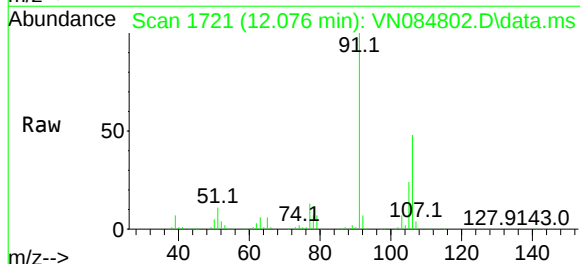
RT: 12.076 min Scan# 1721

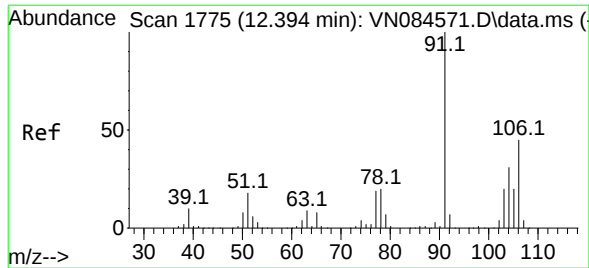
Delta R.T. 0.006 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Tgt Ion:106 Resp: 145316
Ion Ratio Lower Upper
106 100
91 206.6 167.1 250.7





#69

o-Xylene

Concen: 7.435 ug/l

RT: 12.394 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

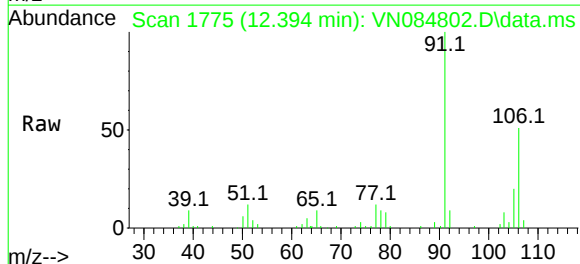
WC-TA1-02-G

Tgt Ion:106 Resp: 27862

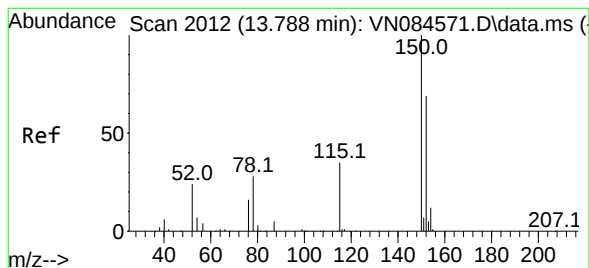
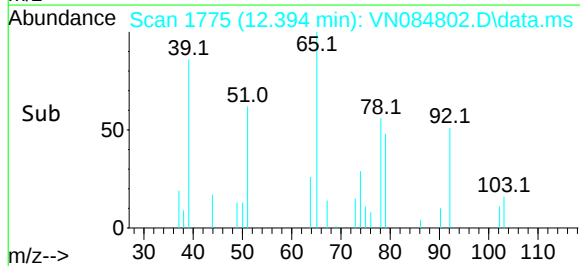
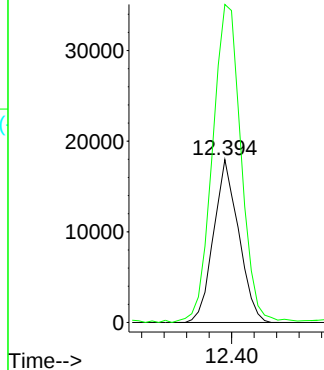
Ion Ratio Lower Upper

106 100

91 222.2 110.2 330.6



Abundance



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

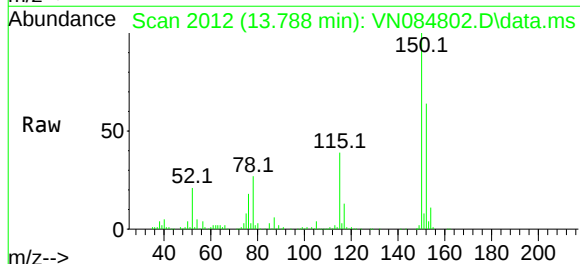
Tgt Ion:152 Resp: 147697

Ion Ratio Lower Upper

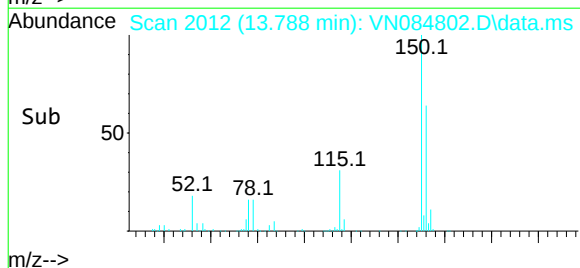
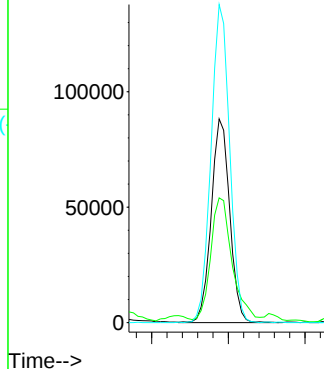
152 100

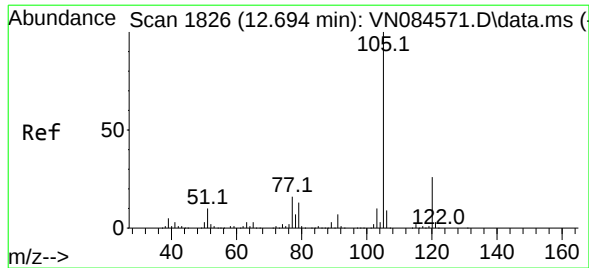
115 67.9 31.3 93.9

150 157.3 0.0 349.8



Abundance





#73

Isopropylbenzene

Concen: 22.515 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

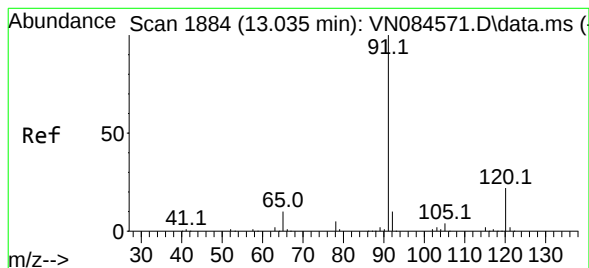
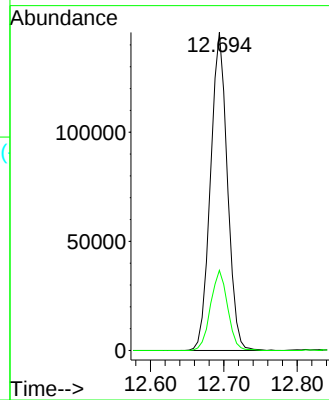
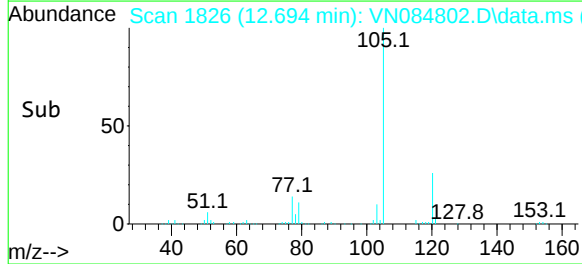
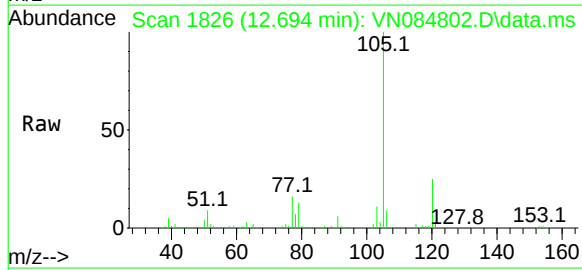
WC-TA1-02-G

Tgt Ion:105 Resp: 233033

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7



#78

n-propylbenzene

Concen: 13.327 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN084802.D

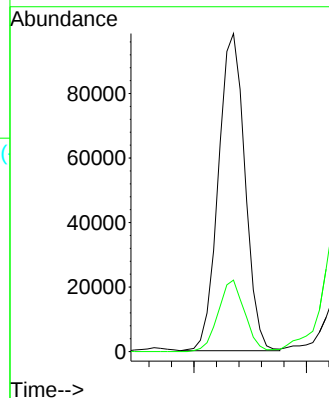
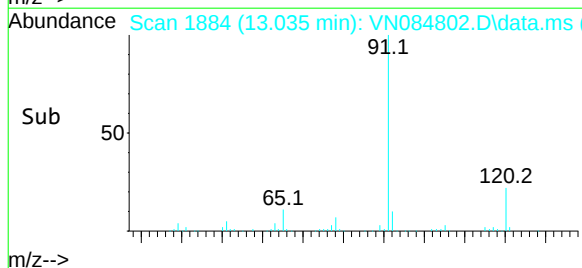
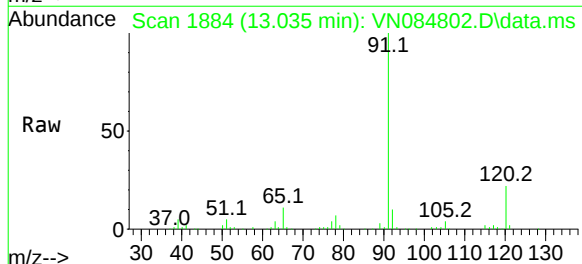
Acq: 12 Nov 2024 17:38

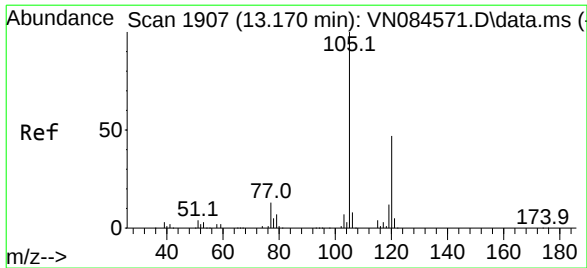
Tgt Ion: 91 Resp: 161637

Ion Ratio Lower Upper

91 100

120 22.5 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 13.492 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

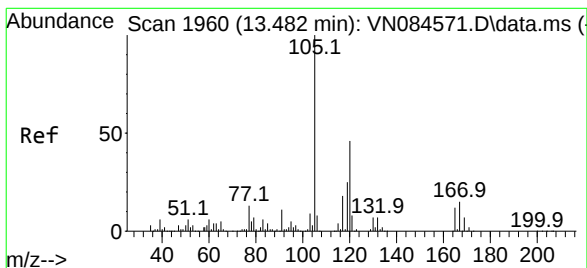
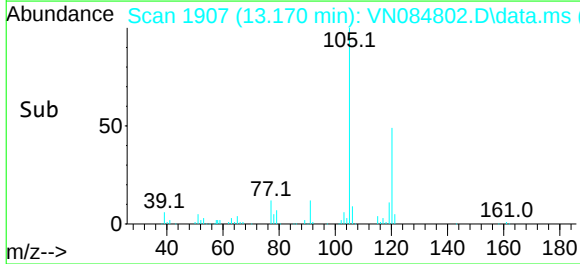
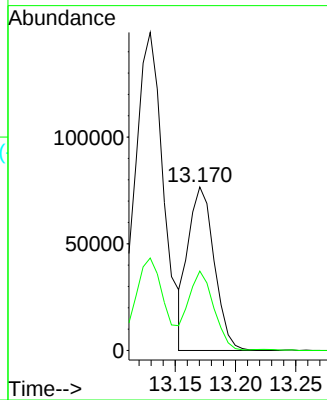
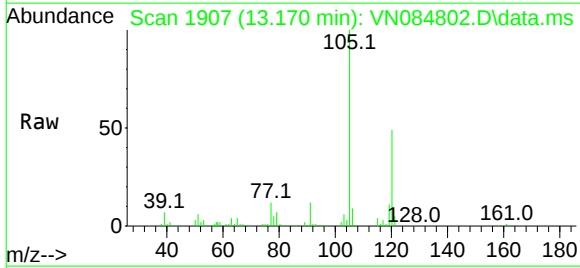
WC-TA1-02-G

Tgt Ion:105 Resp: 115740

Ion Ratio Lower Upper

105 100

120 46.1 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 71.993 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084802.D

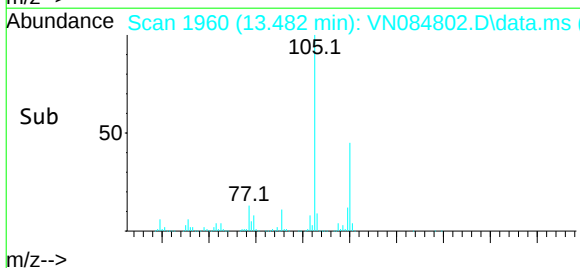
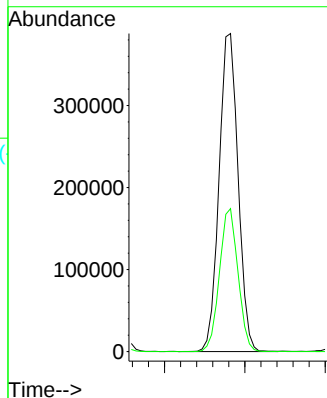
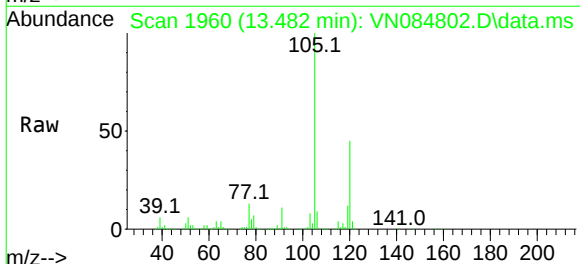
Acq: 12 Nov 2024 17:38

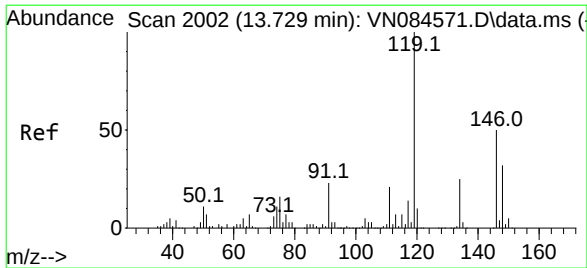
Tgt Ion:105 Resp: 637413

Ion Ratio Lower Upper

105 100

120 43.8 22.3 66.8





#86

p-Isopropyltoluene

Concen: 2.734 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-02-G

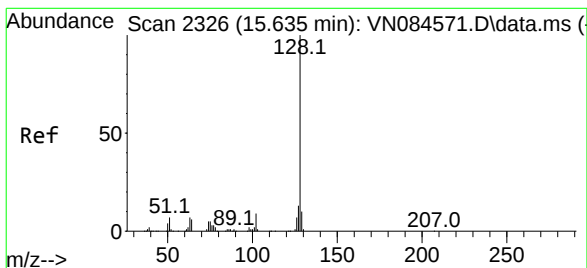
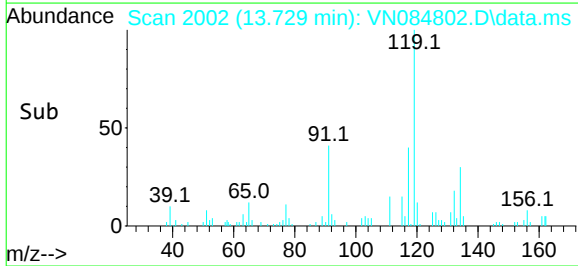
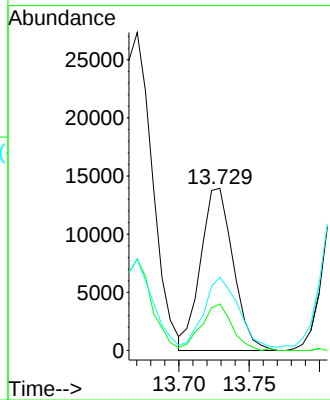
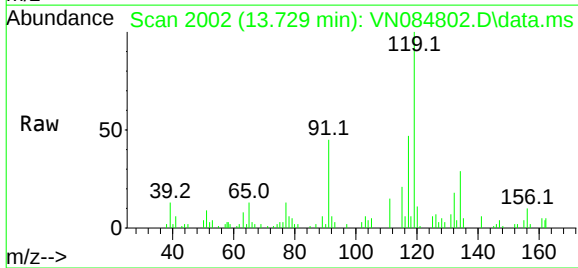
Tgt Ion:119 Resp: 22488

Ion Ratio Lower Upper

119 100

134 27.2 12.6 37.8

91 0.0 12.4 37.2#



#95

Naphthalene

Concen: 949.238 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084802.D

Acq: 12 Nov 2024 17:38

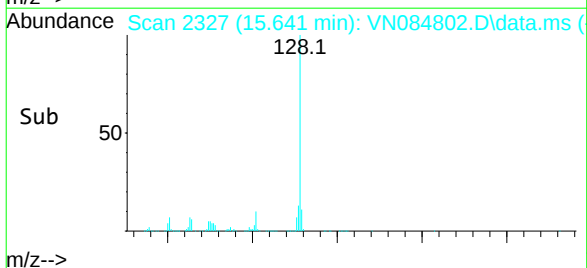
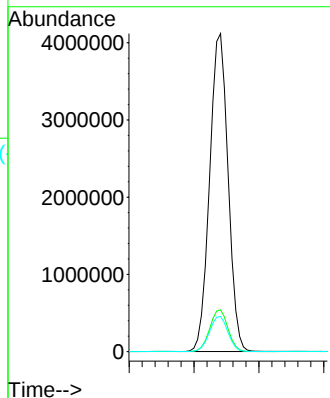
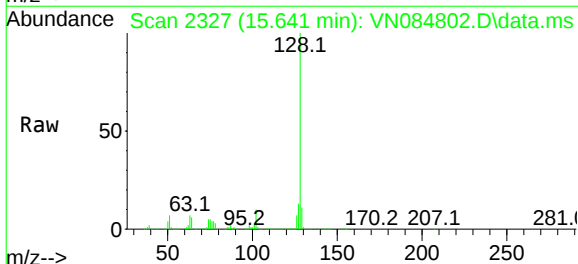
Tgt Ion:128 Resp: 8114855

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.0 8.7 13.1



Report of Analysis

Client:	ENTACT	Date Collected:	11/08/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	11/08/24
Client Sample ID:	WC-TA1-03-G	SDG No.:	P4799
Lab Sample ID:	P4799-17	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084837.D	1		11/13/24 19:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	19.5		0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	39.0		70 (75) - 130 (124)	78%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		70 (77) - 130 (121)	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	289000	9.094			
3114-55-4	Chlorobenzene-d5	281000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	147000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084837.D
 Acq On : 13 Nov 2024 19:35
 Operator : JC\MD
 Sample : P4799-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-TA1-03-G

Quant Time: Nov 14 00:41:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

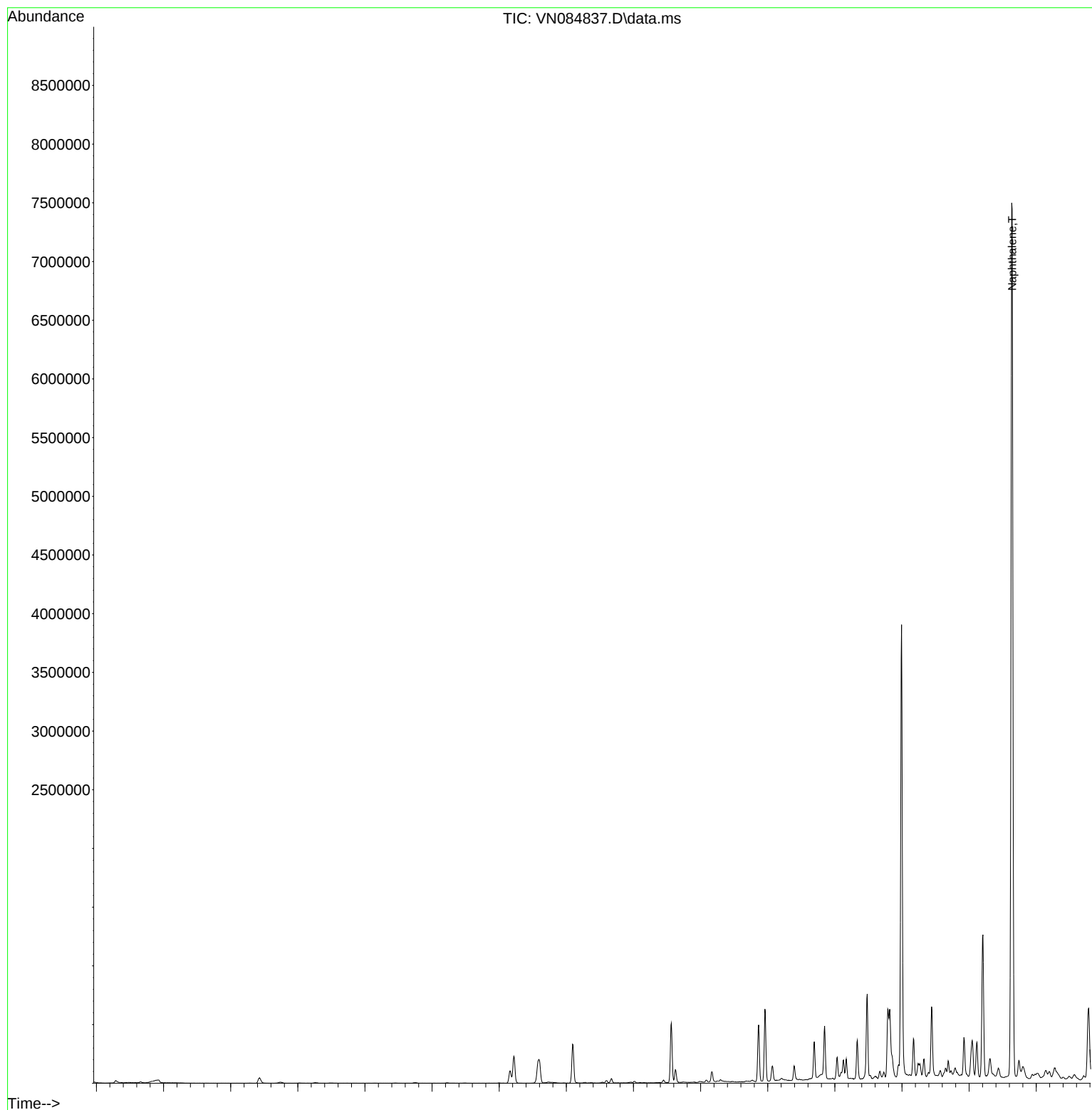
Internal Standards						
1) Pentafluorobenzene	8.224	168	166079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	289492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115811	48.280	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.560%		
35) Dibromofluoromethane	8.165	113	76368	38.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	77.940%		
50) Toluene-d8	10.565	98	350466	48.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.847	95	156341	57.954	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	115.900%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	83194	118.566	ug/l	94
20) Methylene Chloride	5.265	84	4427	2.098	ug/l	89
39) Methylcyclohexane	9.594	83	5627	2.035	ug/l #	72
40) Benzene	8.600	78	170367	19.521	ug/l	97
52) Toluene	10.624	92	47354	9.277	ug/l	98
67) Ethyl Benzene	11.959	91	460125	43.887	ug/l	100
68) m/p-Xylenes	12.065	106	43239	10.894	ug/l	99
69) o-Xylene	12.394	106	32493	8.751	ug/l	99
73) Isopropylbenzene	12.694	105	210105	20.381	ug/l	97
78) n-propylbenzene	13.035	91	142565	11.802	ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	91242	10.679	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	416188	47.196	ug/l	100
95) Naphthalene	15.641	128	6983669	820.205	ug/l	100

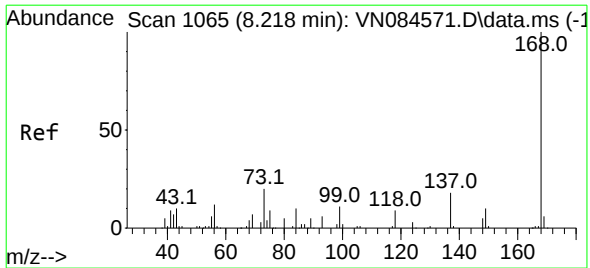
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084837.D
Acq On : 13 Nov 2024 19:35
Operator : JC\MD
Sample : P4799-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-03-G

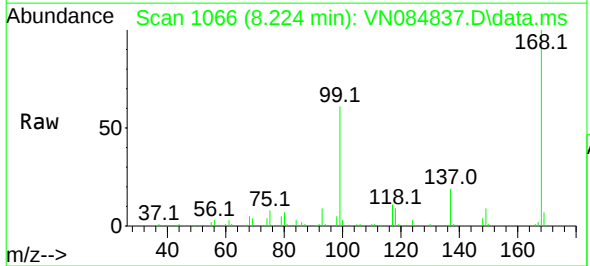
Quant Time: Nov 14 00:41:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



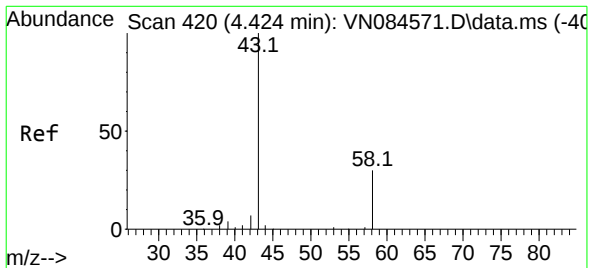
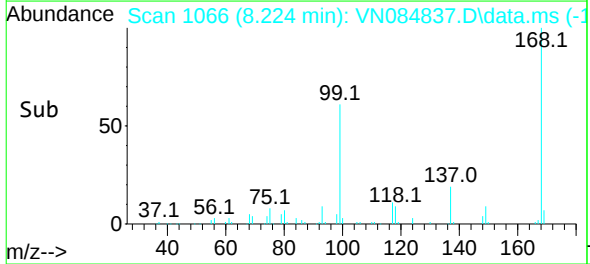
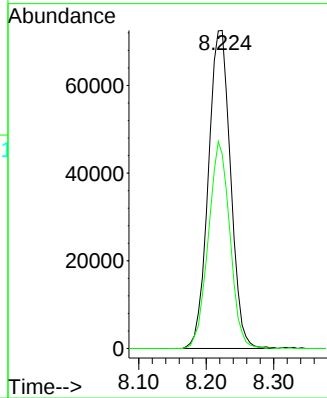


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084837.D
Acq: 13 Nov 2024 19:35

Instrument :
MSVOA_N
ClientSampleId :
WC-TA1-03-G

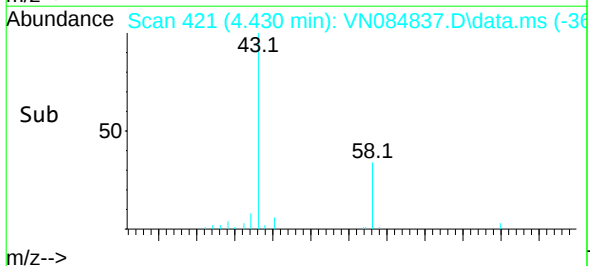
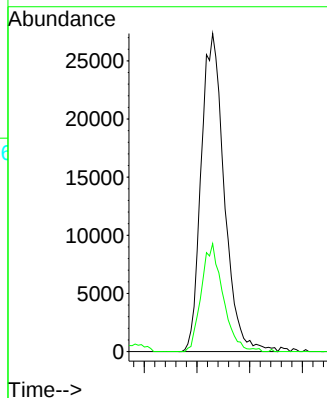
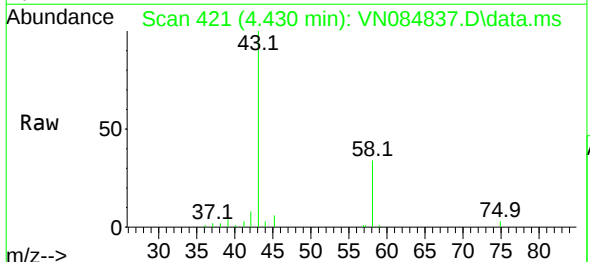


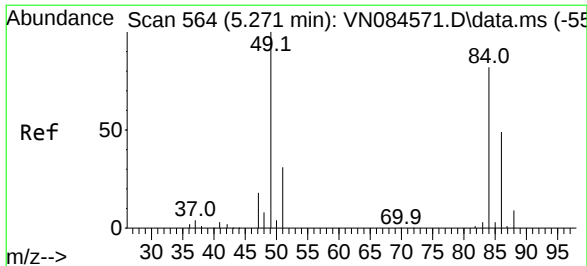
Tgt Ion:168 Resp: 166079
Ion Ratio Lower Upper
168 100
99 61.1 54.2 81.2



#16
Acetone
Concen: 118.566 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084837.D
Acq: 13 Nov 2024 19:35

Tgt Ion: 43 Resp: 83194
Ion Ratio Lower Upper
43 100
58 33.9 24.4 36.6





#20

Methylene Chloride

Concen: 2.098 ug/l

RT: 5.265 min Scan# 564

Delta R.T. -0.012 min

Lab File: VN084837.D

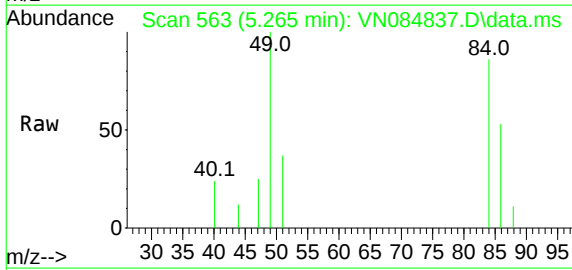
Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-03-G



Tgt Ion: 84 Resp: 4427

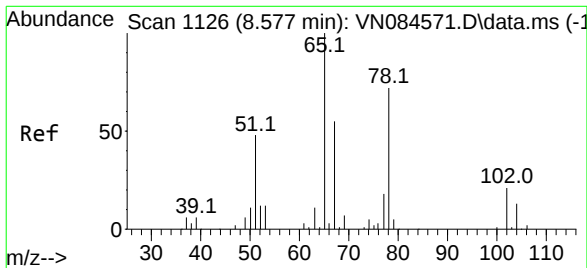
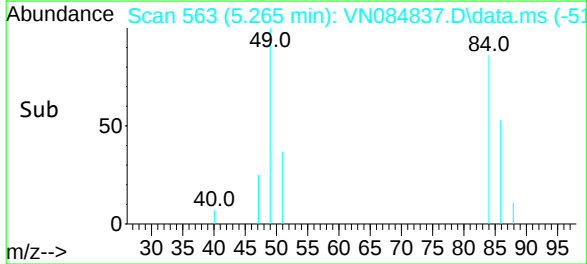
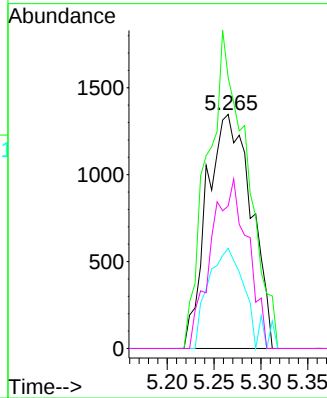
Ion Ratio Lower Upper

84 100

49 115.7 107.2 160.8

51 42.8 31.8 47.8

86 60.9 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 48.280 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084837.D

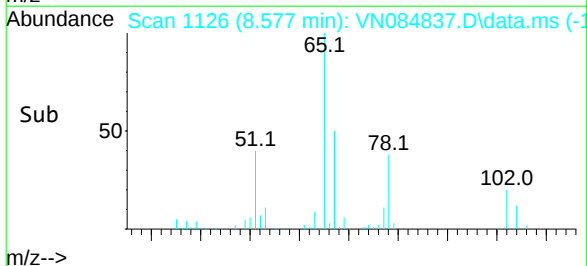
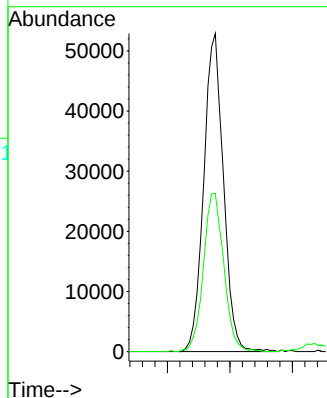
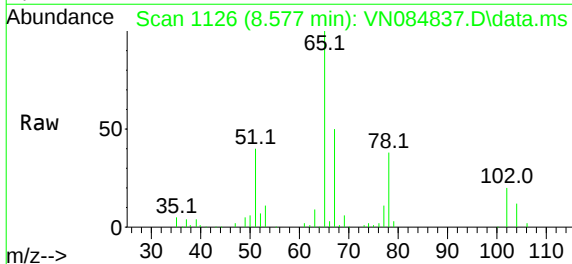
Acq: 13 Nov 2024 19:35

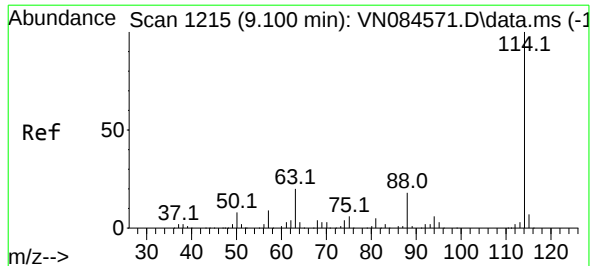
Tgt Ion: 65 Resp: 115811

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN084837.D

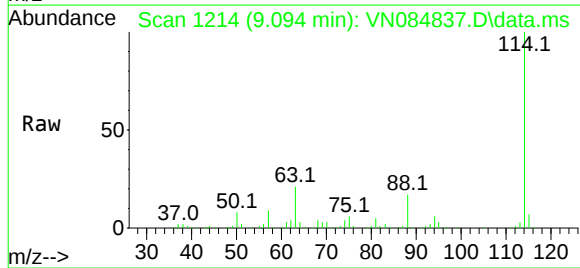
Acq: 13 Nov 2024 19:35

Instrument :

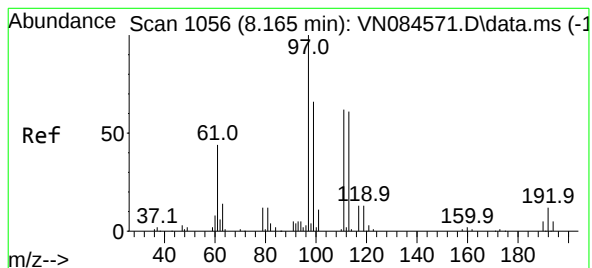
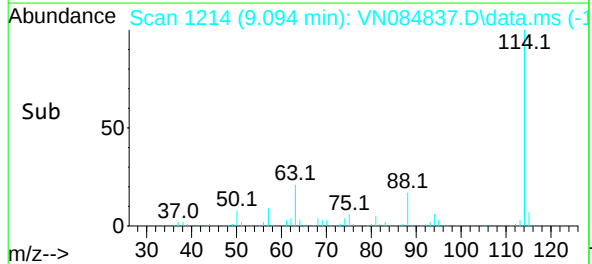
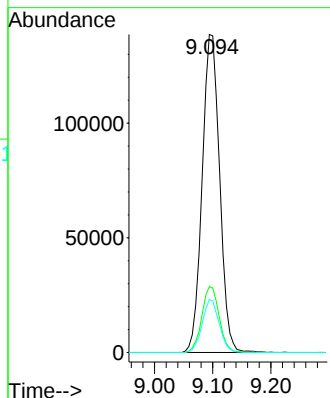
MSVOA_N

ClientSampleId :

WC-TA1-03-G



Tgt Ion:	114	Resp:	289492
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.8
88	16.7	0.0	31.6



#35

Dibromofluoromethane

Concen: 38.973 ug/l

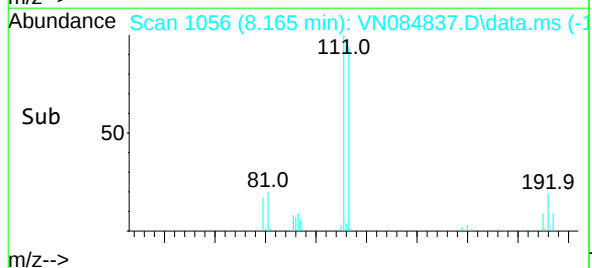
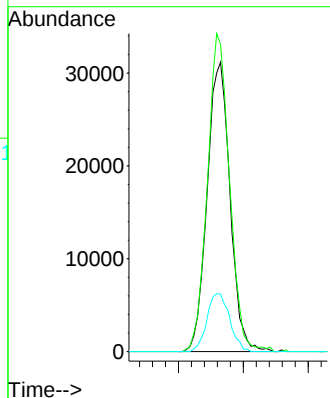
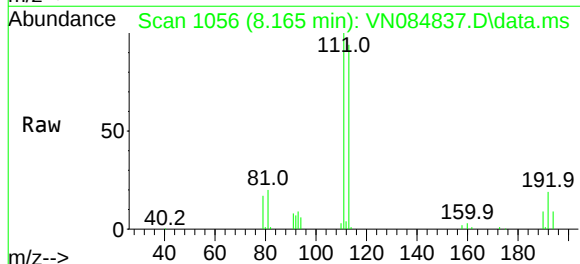
RT: 8.165 min Scan# 1056

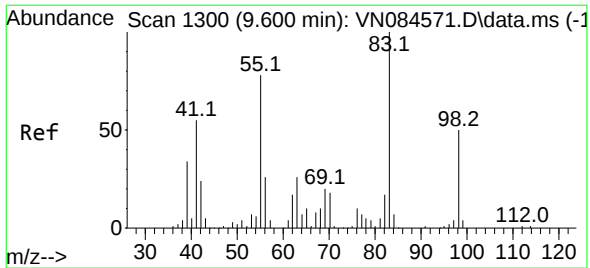
Delta R.T. -0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

Tgt Ion:	113	Resp:	76368
Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.3	124.9
192	19.9	13.5	20.3





#39

Methylcyclohexane

Concen: 2.035 ug/l

RT: 9.594 min Scan# 12

Delta R.T. -0.006 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-03-G

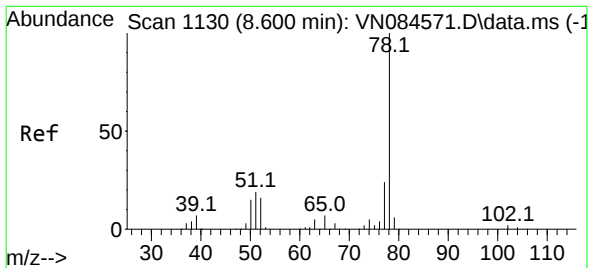
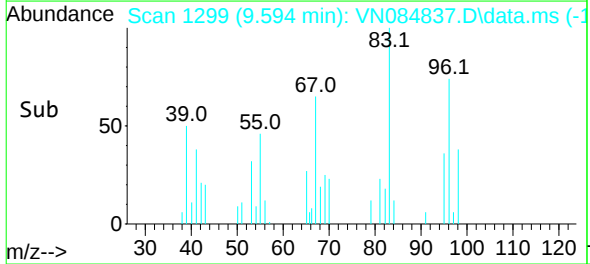
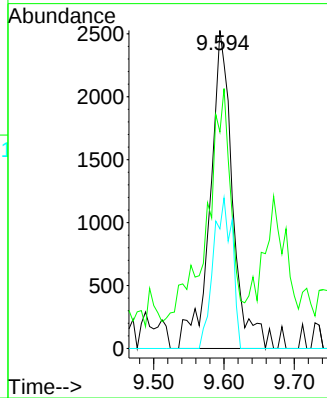
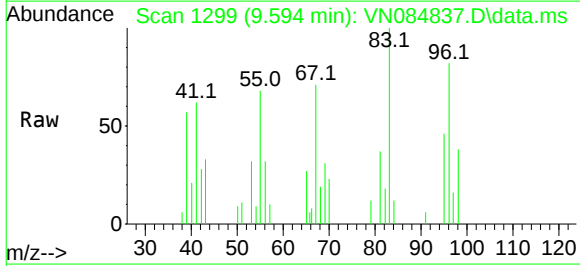
Tgt Ion: 83 Resp: 5627

Ion Ratio Lower Upper

83 100

55 48.2 62.8 94.2#

98 37.6 38.8 58.2#



#40

Benzene

Concen: 19.521 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN084837.D

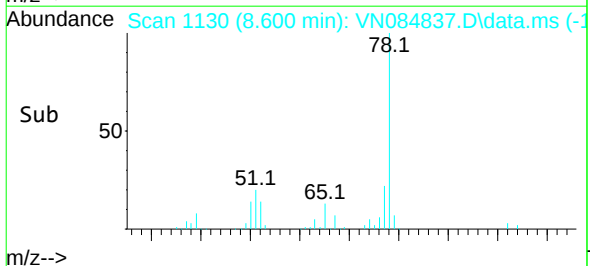
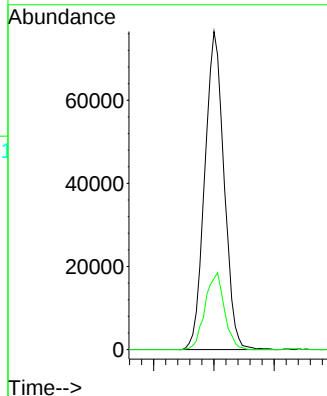
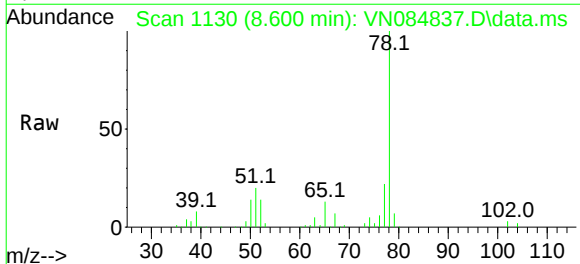
Acq: 13 Nov 2024 19:35

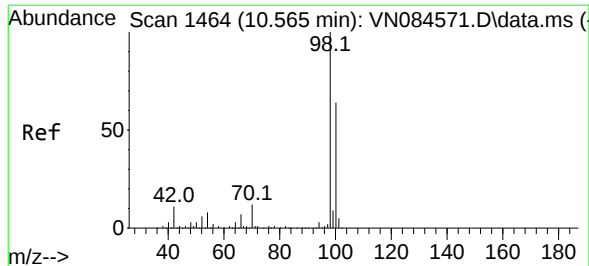
Tgt Ion: 78 Resp: 170367

Ion Ratio Lower Upper

78 100

77 22.3 19.1 28.7





#50

Toluene-d8

Concen: 48.553 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084837.D

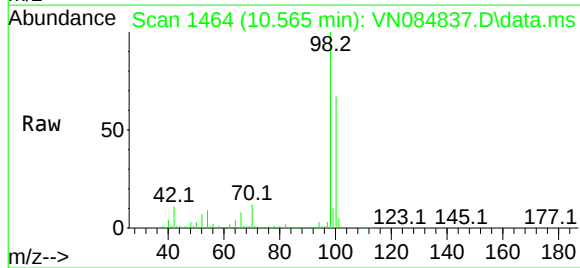
Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-03-G

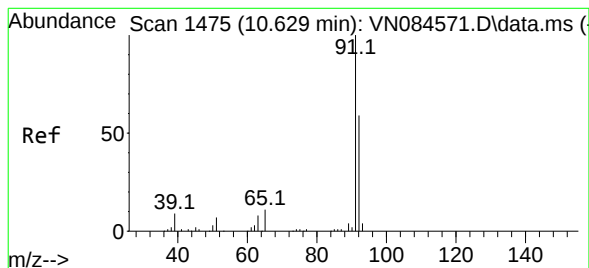
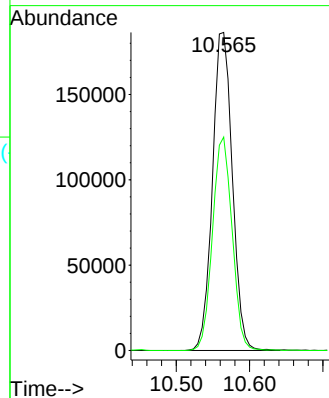
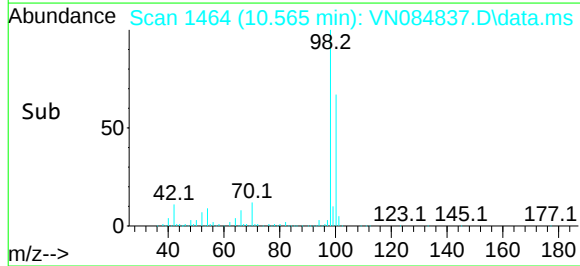


Tgt Ion: 98 Resp: 350466

Ion Ratio Lower Upper

98 100

100 66.2 52.7 79.1



#52

Toluene

Concen: 9.277 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN084837.D

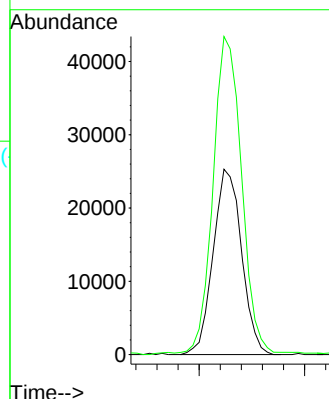
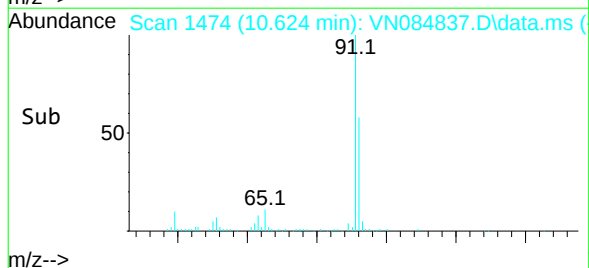
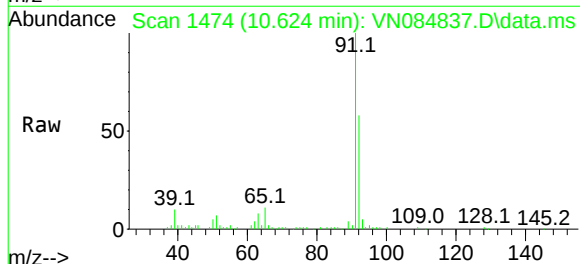
Acq: 13 Nov 2024 19:35

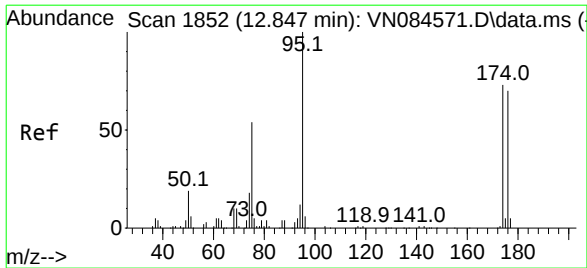
Tgt Ion: 92 Resp: 47354

Ion Ratio Lower Upper

92 100

91 174.8 137.3 205.9





#62

4-Bromofluorobenzene

Concen: 57.954 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-03-G

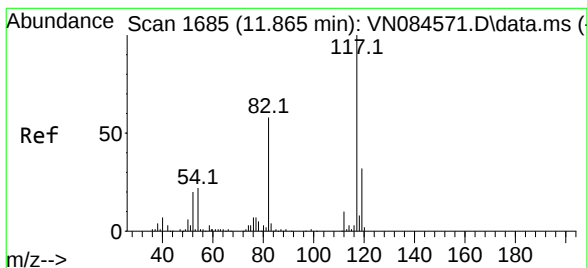
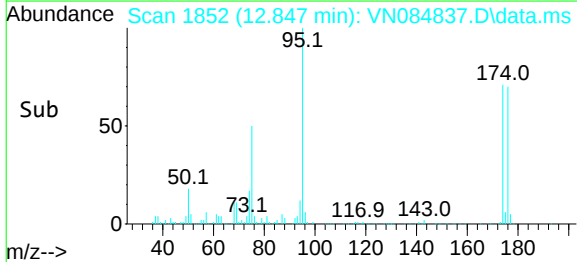
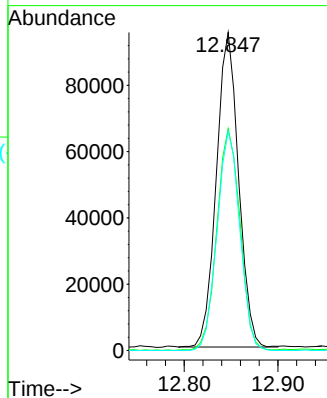
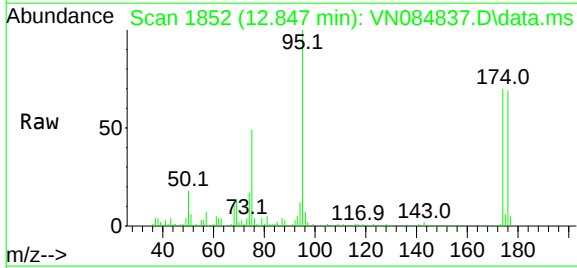
Tgt Ion: 95 Resp: 156341

Ion Ratio Lower Upper

95 100

174 73.4 0.0 145.2

176 71.3 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

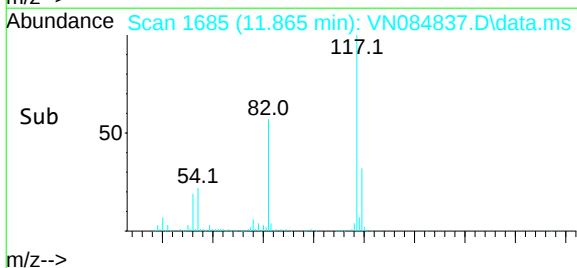
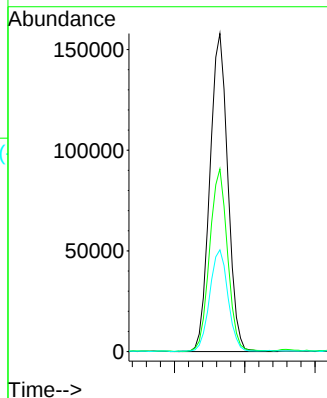
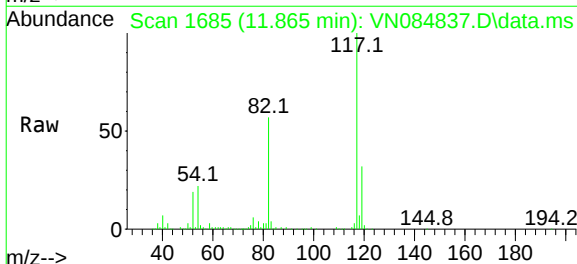
Tgt Ion: 117 Resp: 280754

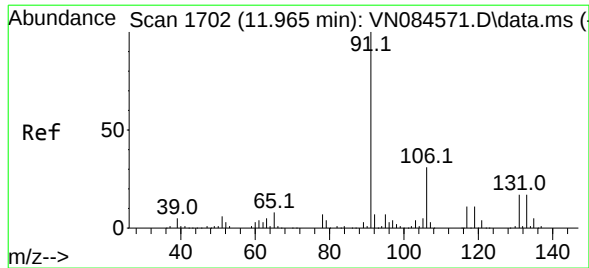
Ion Ratio Lower Upper

117 100

82 57.2 47.2 70.8

119 31.9 25.4 38.0





#67

Ethyl Benzene

Concen: 43.887 ug/l

RT: 11.959 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN084837.D

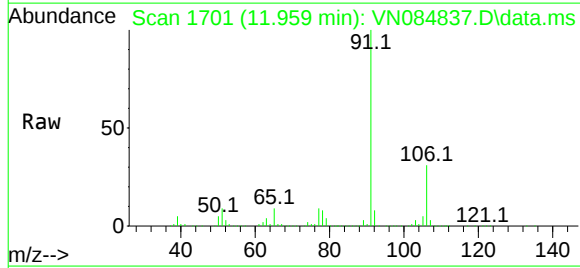
Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-03-G

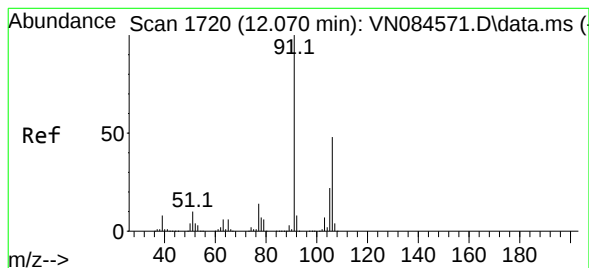
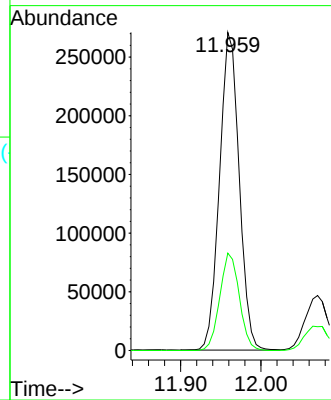
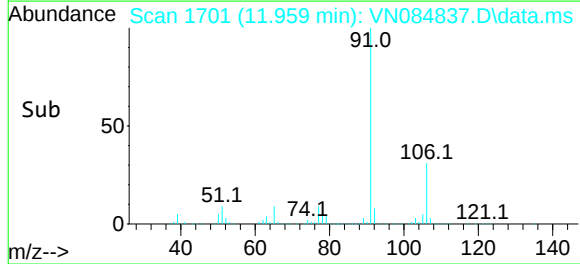


Tgt Ion: 91 Resp: 460125

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



#68

m/p-Xylenes

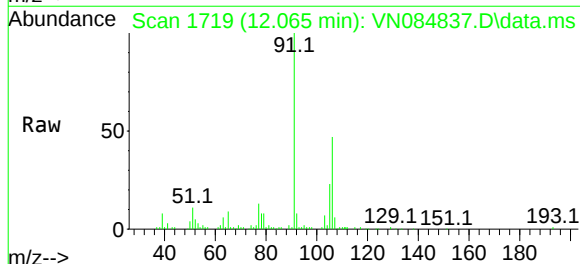
Concen: 10.894 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

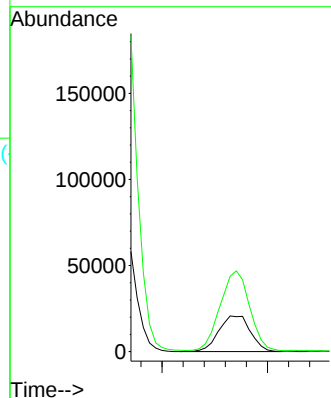
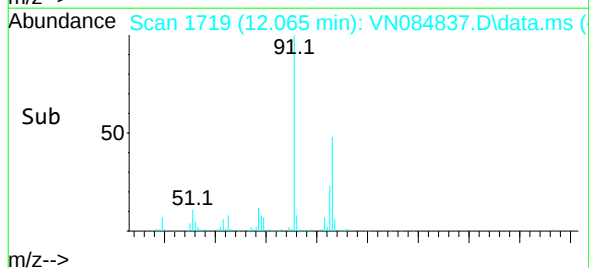


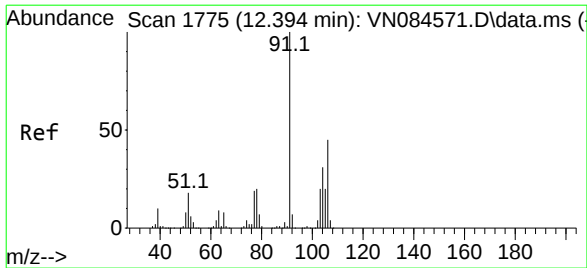
Tgt Ion: 106 Resp: 43239

Ion Ratio Lower Upper

106 100

91 207.3 167.1 250.7





#69

o-Xylene

Concen: 8.751 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

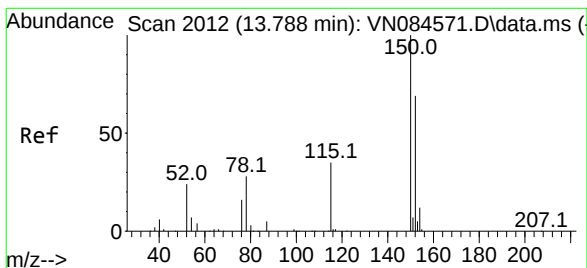
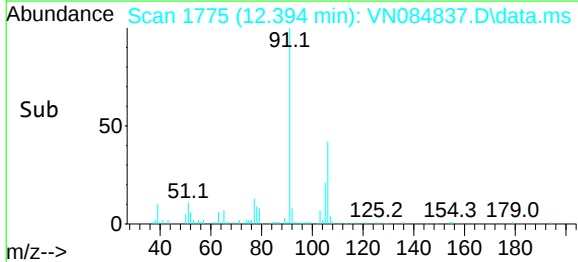
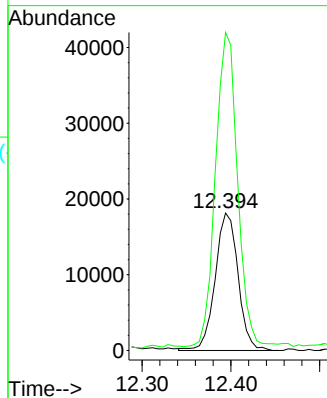
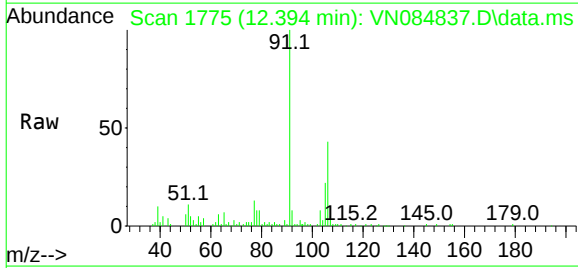
WC-TA1-03-G

Tgt Ion:106 Resp: 32493

Ion Ratio Lower Upper

106 100

91 219.6 110.2 330.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

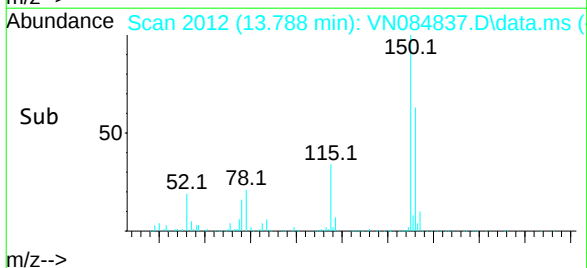
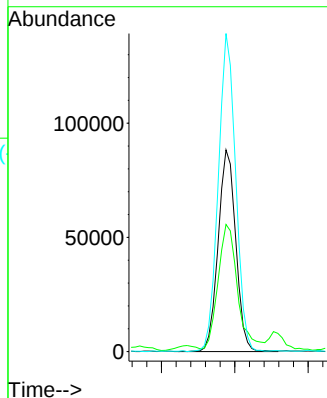
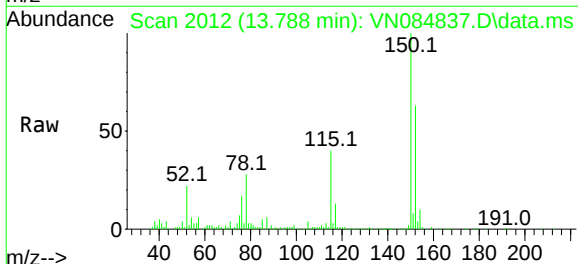
Tgt Ion:152 Resp: 147105

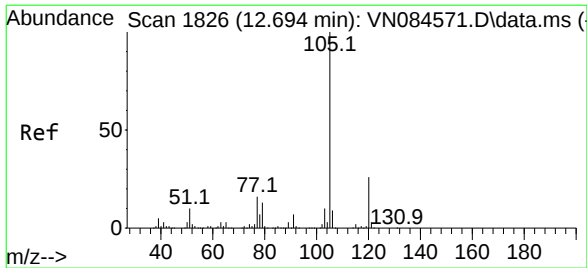
Ion Ratio Lower Upper

152 100

115 67.7 31.3 93.9

150 156.0 0.0 349.8





#73

Isopropylbenzene

Concen: 20.381 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

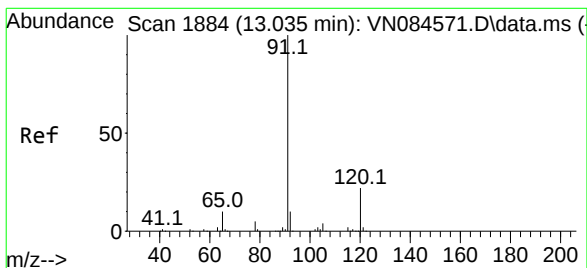
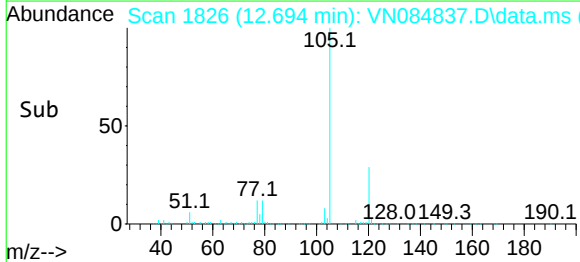
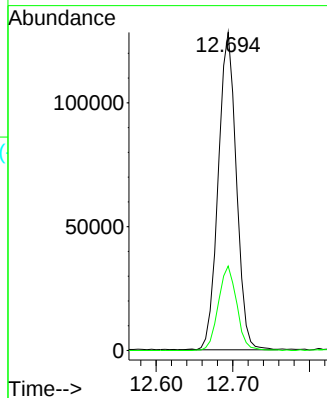
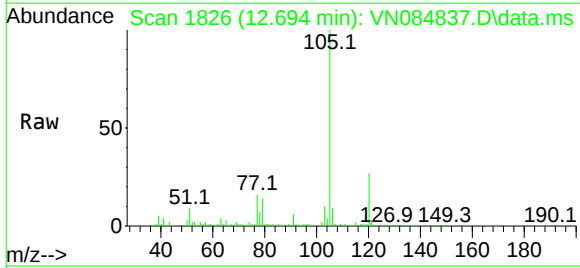
WC-TA1-03-G

Tgt Ion:105 Resp: 210105

Ion Ratio Lower Upper

105 100

120 27.1 12.9 38.7



#78

n-propylbenzene

Concen: 11.802 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN084837.D

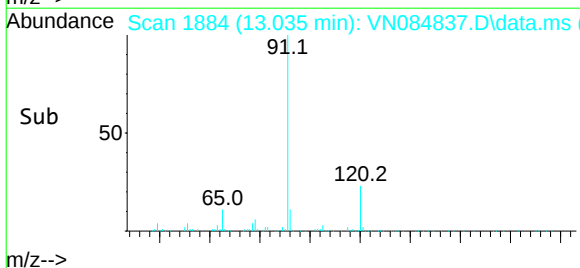
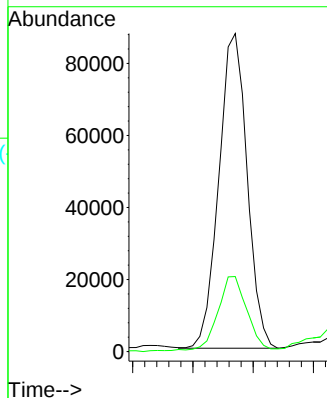
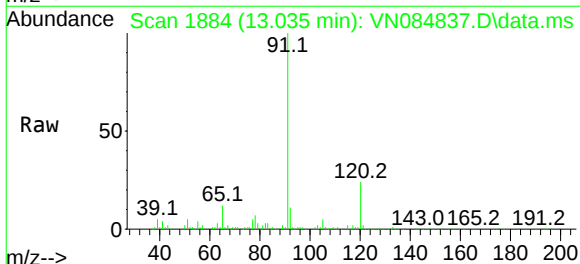
Acq: 13 Nov 2024 19:35

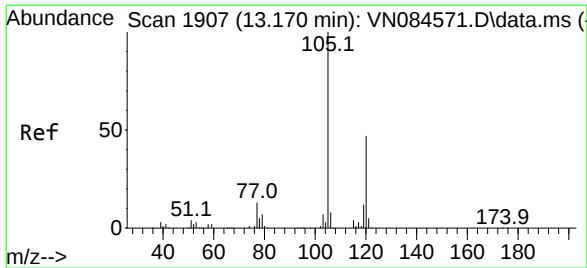
Tgt Ion: 91 Resp: 142565

Ion Ratio Lower Upper

91 100

120 25.4 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 10.679 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084837.D

Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

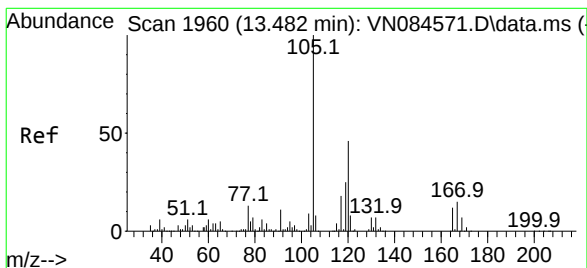
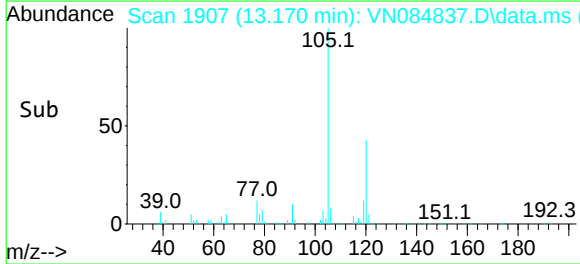
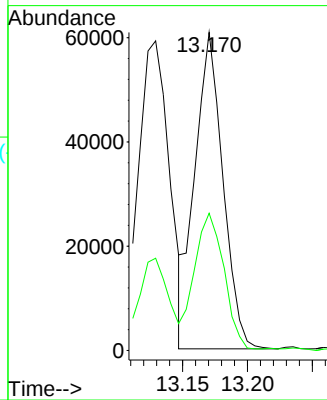
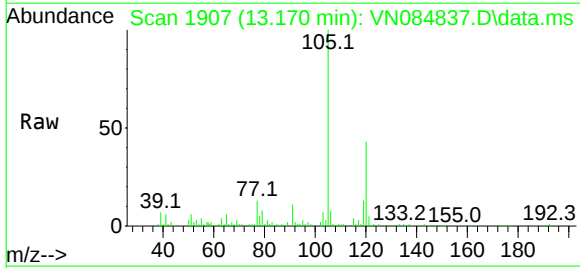
WC-TA1-03-G

Tgt Ion:105 Resp: 91242

Ion Ratio Lower Upper

105 100

120 45.2 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 47.196 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN084837.D

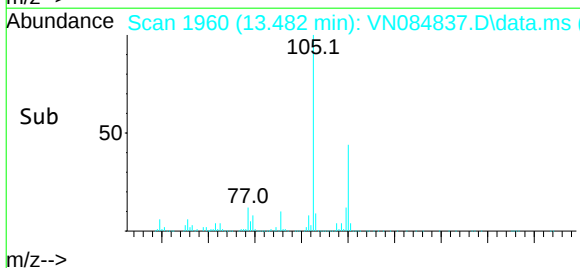
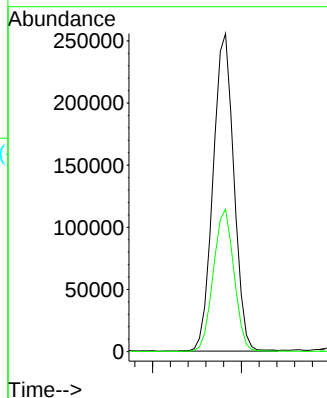
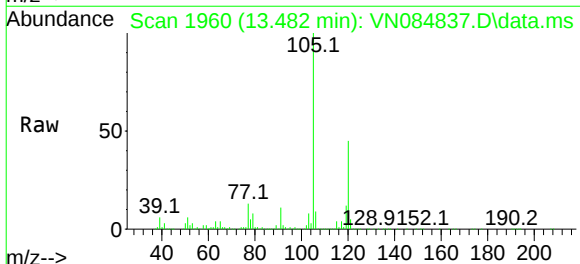
Acq: 13 Nov 2024 19:35

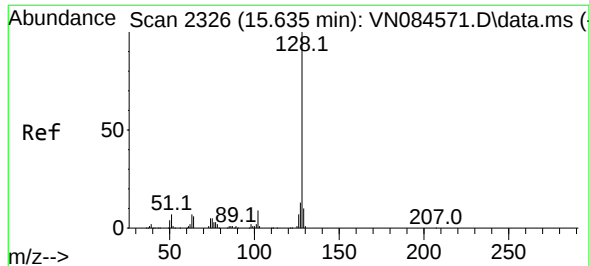
Tgt Ion:105 Resp: 416188

Ion Ratio Lower Upper

105 100

120 44.8 22.3 66.8





#95

Naphthalene

Concen: 820.205 ug/l

RT: 15.641 min Scan# 23

Delta R.T. 0.006 min

Lab File: VN084837.D

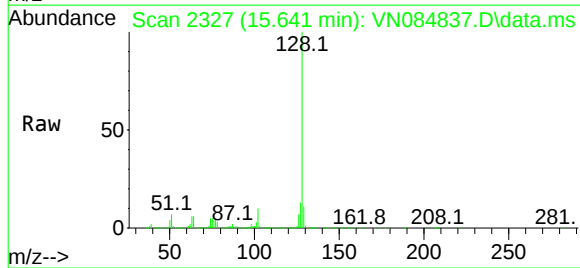
Acq: 13 Nov 2024 19:35

Instrument :

MSVOA_N

ClientSampleId :

WC-TA1-03-G



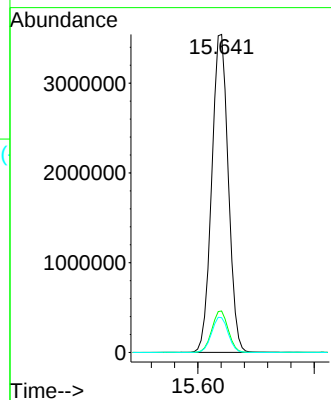
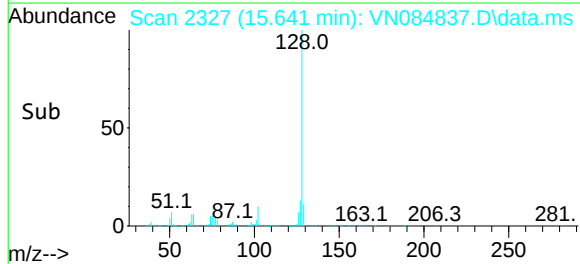
Tgt Ion:128 Resp: 6983669

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

128	100		
-----	-----	--	--

127	12.9	10.5	15.7
-----	------	------	------

129	11.0	8.7	13.1
-----	------	-----	------





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG No.: P4799
 Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024
 Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN084570.D		RRF050 = VN084571.D		RRF020 = VN084572.D			
		RRF010 = VN084573.D		RRF005 = VN084574.D		RRF001 = VN084575.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4	
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8	
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1	
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4	
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6	
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4	
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1	
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7	
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3	
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9	
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2	
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1	
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3	
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N103024W.M
 Title : SW846 8260
 Last Update : Thu Oct 31 18:45:38 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.

D

Compound		1	5	10	20	50	100	Avg	%RSD

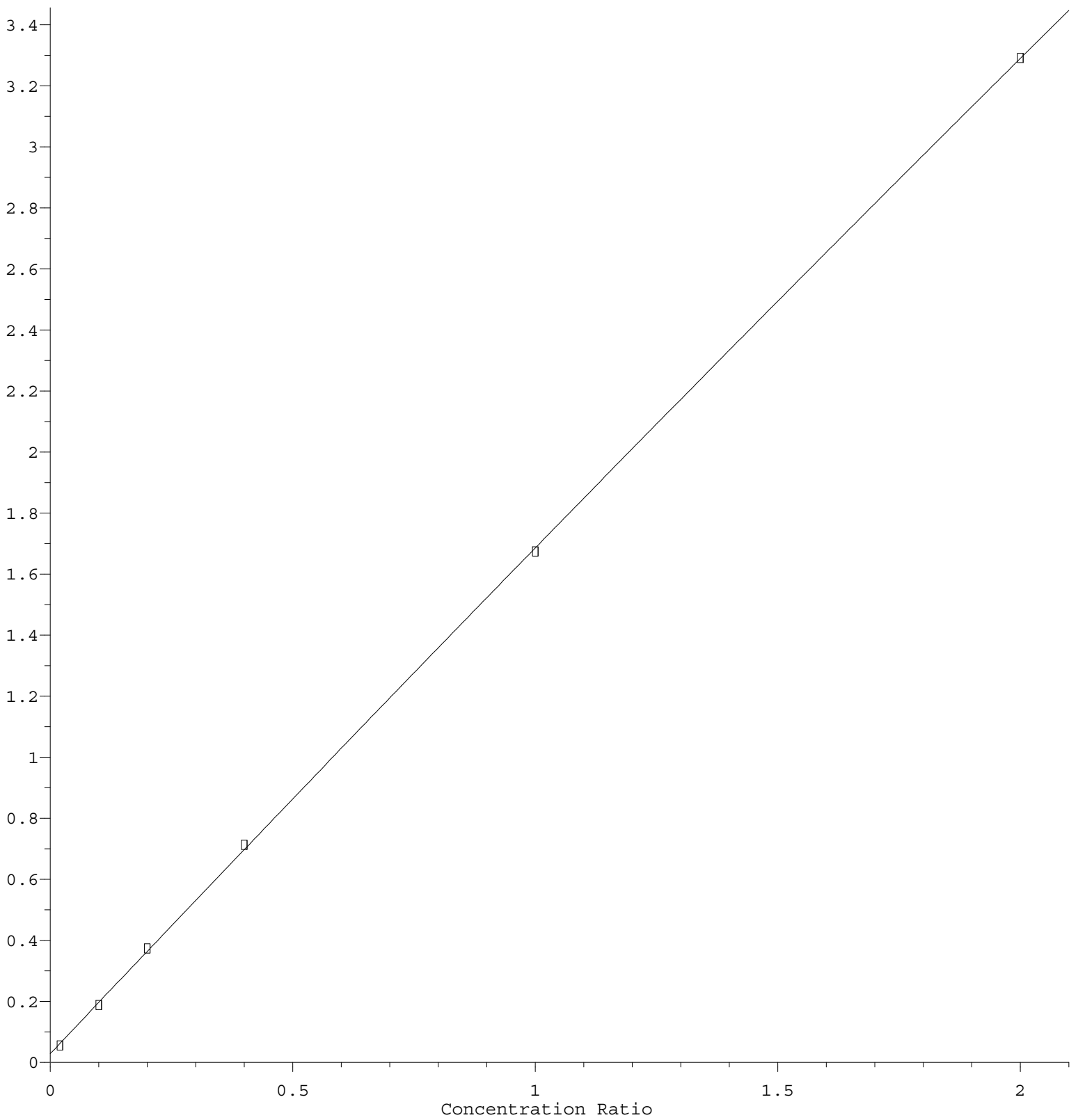
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3) P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4) C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5) T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6) T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7) T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8) T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9) T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10) T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11) T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12) CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13) T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14) T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15) T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16) T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17) T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18) T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19) T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20) T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21) T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22) T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23) T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24) P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25) T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26) T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27) T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28) T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29) T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30) C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31) T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32) T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33) S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36) T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37) T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38) T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39) T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40) TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41) T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42) TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43) T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44) TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45) C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46) T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47) T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48) T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49) T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50) S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51) T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52) CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53) T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54) T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55) T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\										
Method File : 82N103024W.M										
56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...	0.454	0.451	0.450	0.493	0.481	0.466		4.26
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...	0.431	0.446	0.423	0.401	0.406	0.421		4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

(#) = Out of Range

1,4-Dichlorobenzene

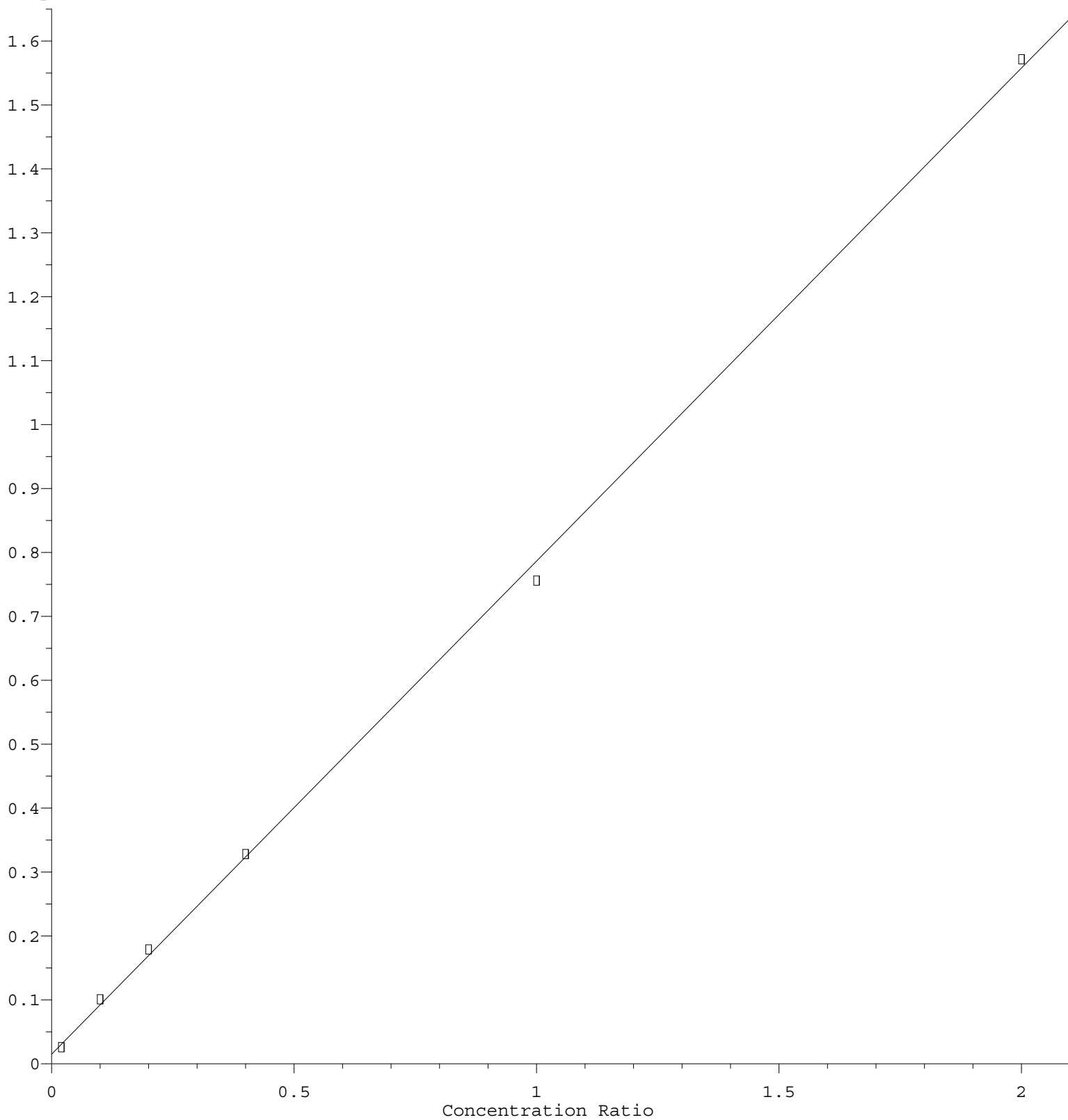
Response Ratio



$R = -2.647e-002 A^2 + 1.683e+000 A + 2.851e-002$
 Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
 Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Isopropyl Acetate

Response Ratio



$$\text{Response} = 7.716\text{e-}001 * \text{Amt} + 1.519\text{e-}002$$

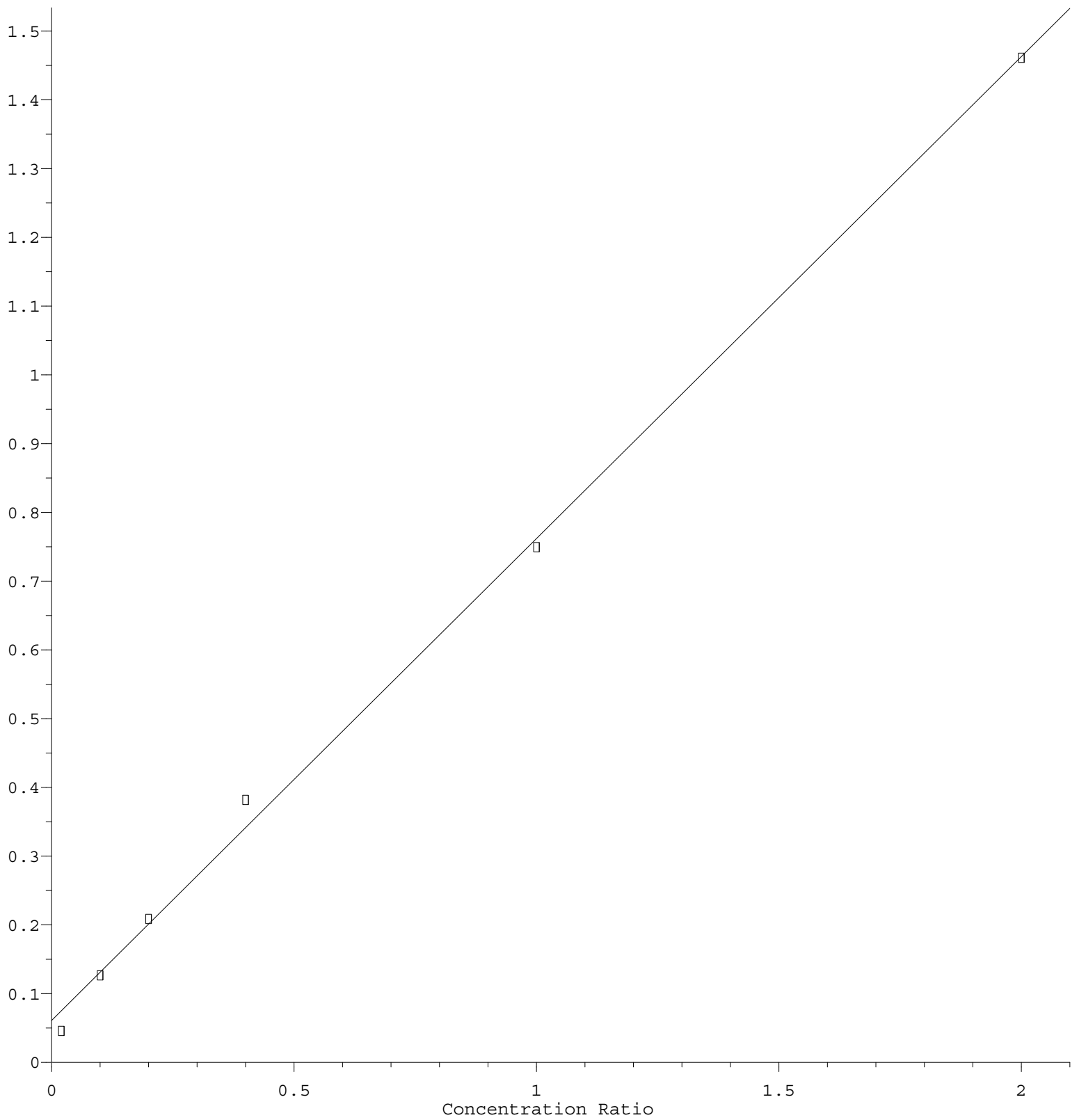
Coef of Det (r^2) = 0.999234 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M

Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Methyl Acetate

Response Ratio



$$\text{Response} = 7.012\text{e-}001 * \text{Amt} + 6.084\text{e-}002$$

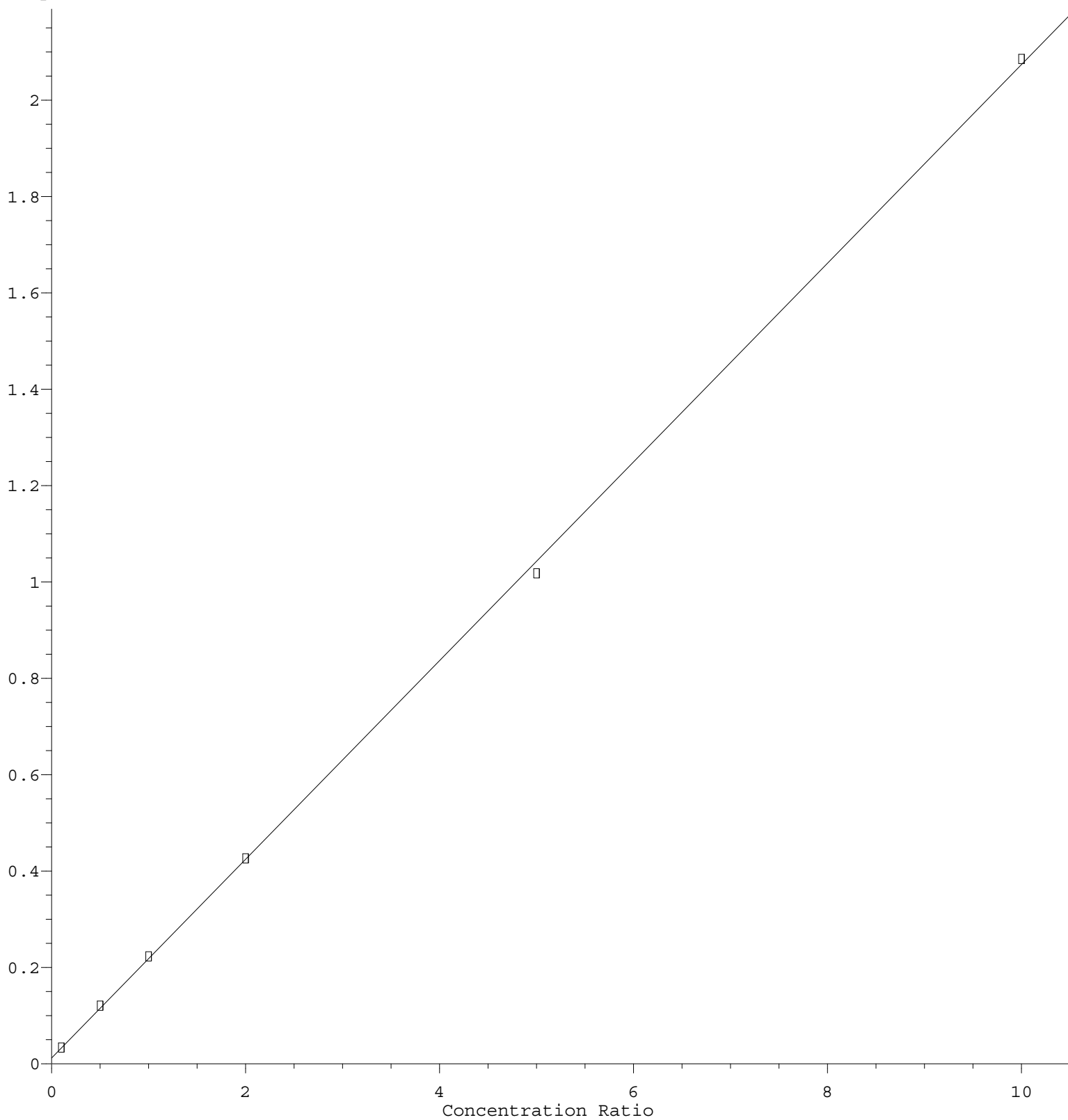
Coef of Det (r^2) = 0.998099 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M

Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Acetone

Response Ratio



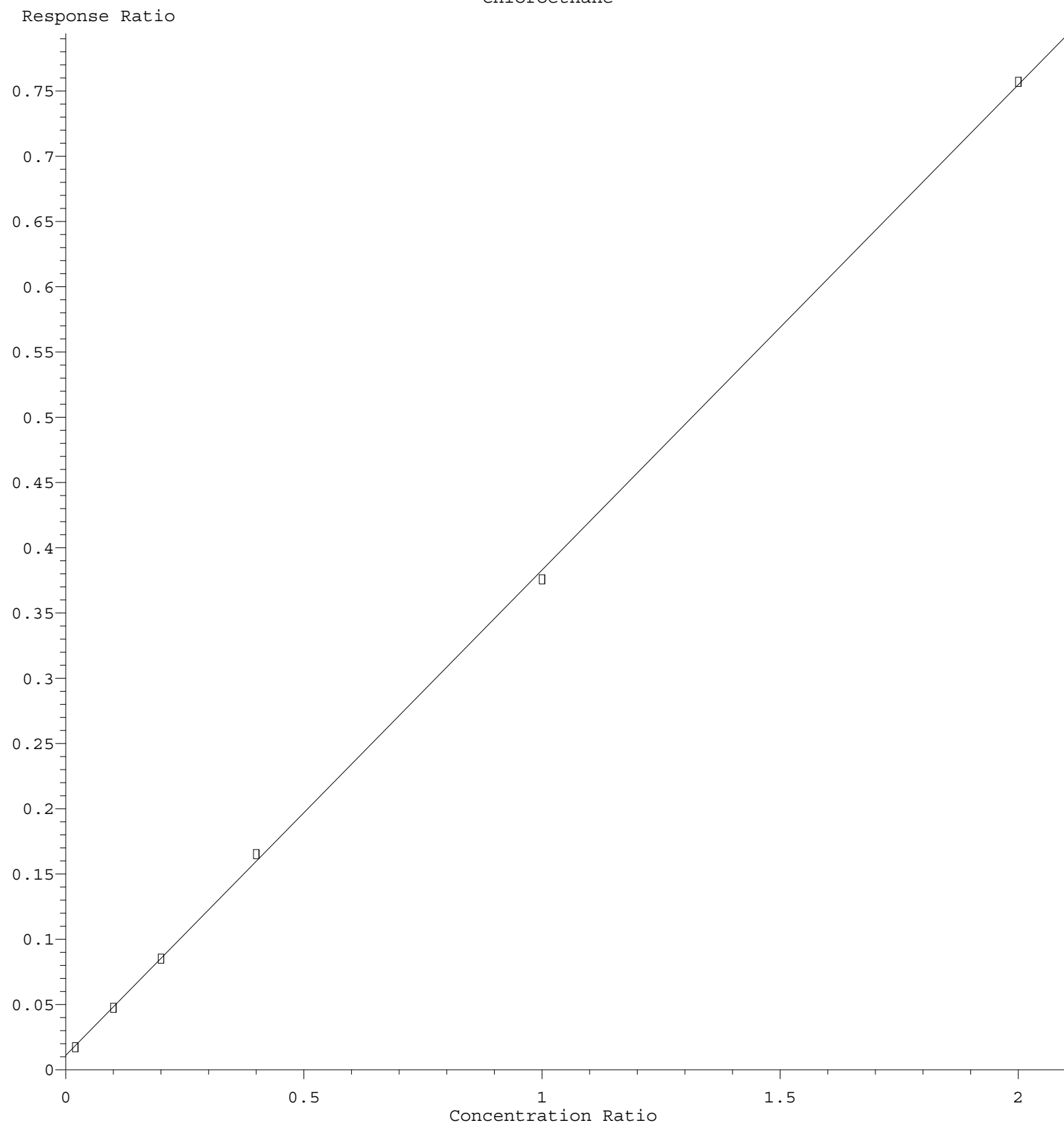
$$\text{Response} = 2.062\text{e-}001 * \text{Amt} + 1.190\text{e-}002$$

Coef of Det (r^2) = 0.999735 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M

Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

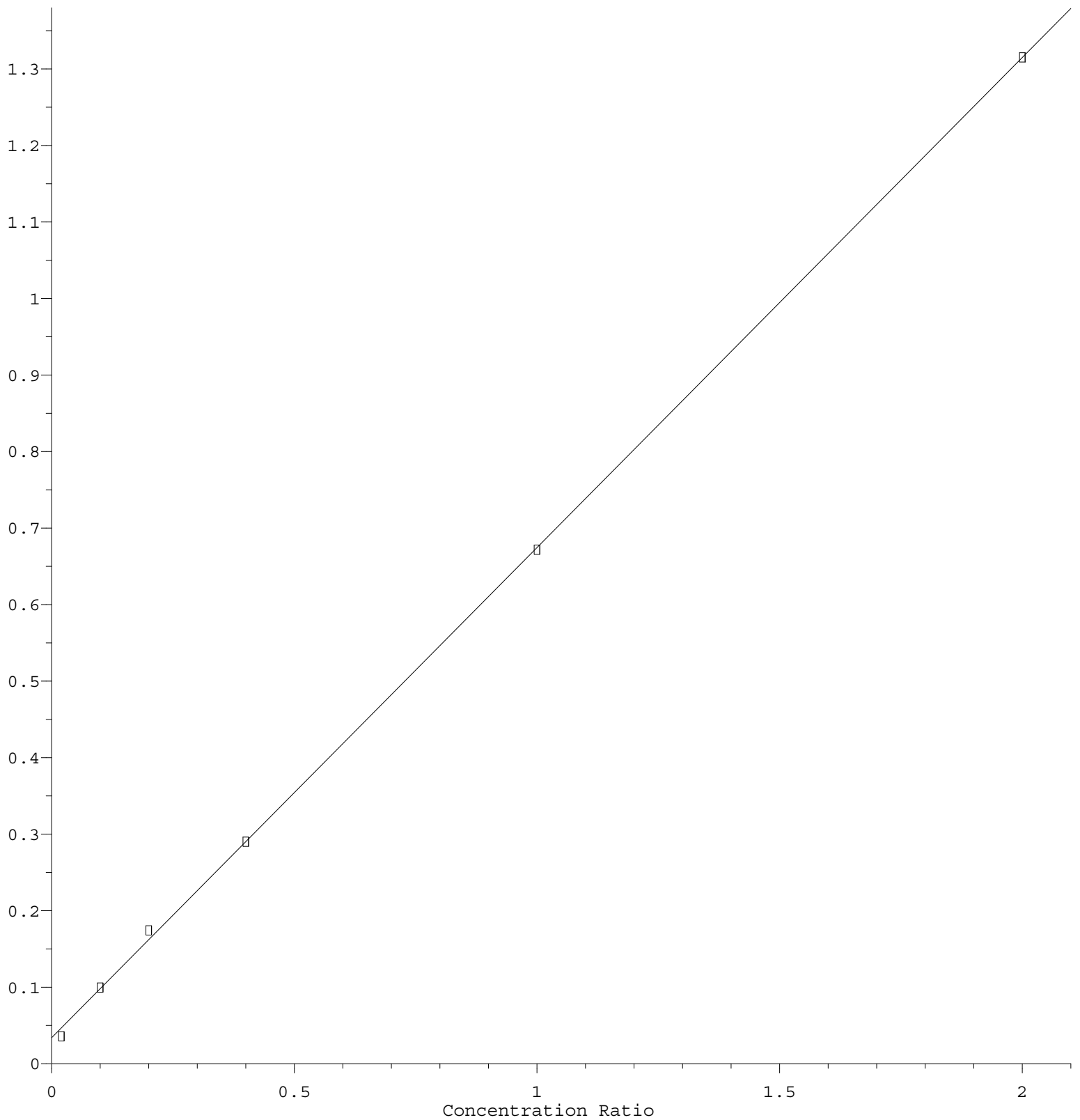
Chloroethane



Response = $3.720 \times 10^{-1} \times \text{Amt} + 1.067 \times 10^{-2}$
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Chloromethane

Response Ratio



$$\text{Response} = 6.405\text{e-}001 * \text{Amt} + 3.399\text{e-}002$$

Coef of Det (r^2) = 0.999766 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M

Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084570.D
 Acq On : 30 Oct 2024 11:46
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	190.800%#
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	197.240%#
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	203.300%#
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	206.580%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084570.D
 Acq On : 30 Oct 2024 11:46
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406	ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005	ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857	ug/l	99
44) Trichloroethene	9.347	130	209438	97.413	ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718	ug/l	95
46) Dibromomethane	9.706	93	151661	98.281	ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364	ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249	ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607	ug/l	99
52) Toluene	10.629	92	570832	104.696	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124	ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573	ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330	ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346	ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691	ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870	ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169	ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458	ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837	ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419	ug/l	99
69) o-Xylene	12.400	106	397449	106.372	ug/l	100
70) Styrene	12.412	104	691175	106.042	ug/l	98
71) Bromoform	12.582	173	162189	98.044	ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533	ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446	ug/l	
77) Bromobenzene	12.982	156	245558	91.341	ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100	ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347	ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462	ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136	ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032	ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067	ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727	ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091	ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631	ug/l	99
95) Naphthalene	15.641	128	792903	95.997	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

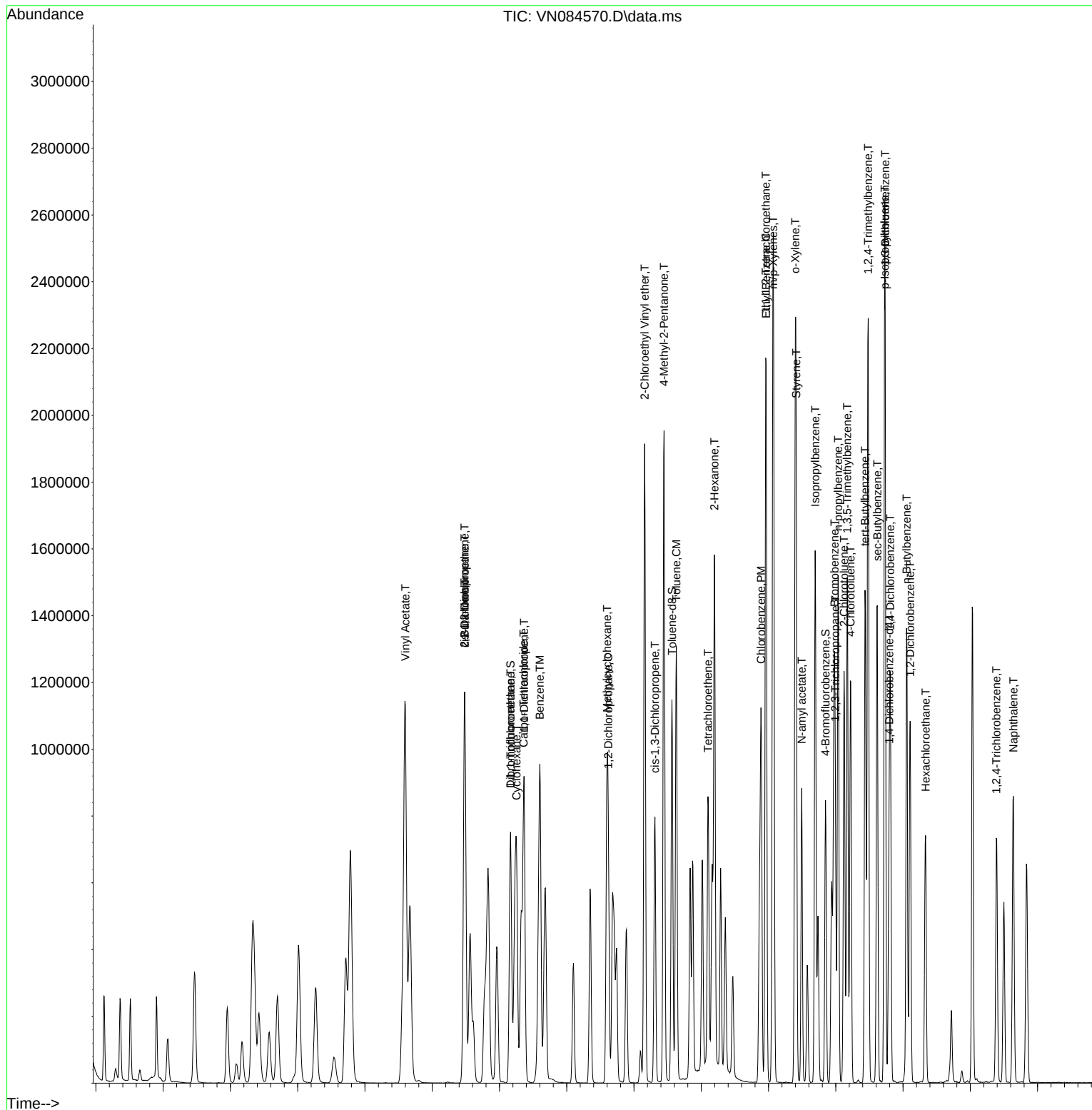
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\  
Data File : VN084570.D  
Acq On    : 30 Oct 2024  11:46  
Operator  : JC\MD  
Sample    : VSTDICC100  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084571.D
 Acq On : 30 Oct 2024 12:09
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 31 18:18:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.820%
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.600%
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.500%
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084571.D
 Acq On : 30 Oct 2024 12:09
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814	ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614	ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004	ug/l	99
44) Trichloroethene	9.353	130	104498	48.241	ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154	ug/l	95
46) Dibromomethane	9.706	93	76019	48.895	ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525	ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212	ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254	ug/l	98
52) Toluene	10.629	92	280034	50.978	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487	ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150	ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210	ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615	ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078	ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034	ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088	ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252	ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646	ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053	ug/l	98
69) o-Xylene	12.394	106	192710	52.183	ug/l	99
70) Styrene	12.412	104	336570	52.245	ug/l	99
71) Bromoform	12.576	173	82245	50.303	ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942	ug/l	99
74) N-ethyl acetate	12.494	43	211326	51.228	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939	ug/l	
77) Bromobenzene	12.982	156	122062	46.847	ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587	ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612	ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097	ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518	ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102	ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658	ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276	ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711	ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451	ug/l	98
95) Naphthalene	15.635	128	384553	48.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Abundance

TIC: VN084571.D\data.ms

Time-->

Peak labels (from left to right):

- Methyl tert-butyl Ether, T
- Vinyl Acetate, T
- 2-Ethyl-1-hexanol, T
- Pentamethylbenzene, S
- Diisobutylene, T
- Carbon tetrachloride, T
- Benzene, TM
- 1,4-Difluorobenzene, I
- 1,2-Dichloroethane, T
- Methylcyclohexane, T
- cis-1,3-Dichloropropene, T
- Toluene, CM
- 2-Hexanone, T
- Tetrachloroethene, T
- Chlorobenzene, T
- Ethyl Benzoate, T
- N-amyl acetate, T
- Styrene, T
- Isopropylbenzene, T
- 4-Bromofluorobenzene, S
- sec-Butylbenzene, T
- tert-Butylbenzene, T
- 1,2,4-Trichlorobenzene, T
- 1,3,5-Trimethylbenzene, T
- 1,2,4-Trichlorobenzene, T
- Hexachloroethane, T
- 1,2-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- 1,2,4-Trichlorobenzene, T
- Naphthalene, T

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084572.D
 Acq On : 30 Oct 2024 12:33
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	39.200%#
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	38.500%#
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	39.000%#
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	38.660%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084572.D
 Acq On : 30 Oct 2024 12:33
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882	ug/l	97
42) 1,2-Dichloroethane	8.665	62	63026	20.180	ug/l	99
43) Isopropyl Acetate	8.688	43	104951	20.277	ug/l	98
44) Trichloroethene	9.347	130	44176	19.862	ug/l	99
45) 1,2-Dichloropropane	9.618	63	45764	20.229	ug/l	93
46) Dibromomethane	9.706	93	32857	20.583	ug/l	99
47) Bromodichloromethane	9.888	83	67288	19.997	ug/l #	98
48) Methyl methacrylate	9.682	41	43398	20.466	ug/l	97
49) 1,4-Dioxane	9.700	88	15417	410.291	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417	ug/l	100
52) Toluene	10.629	92	117530	20.838	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141	ug/l	95
56) Ethyl methacrylate	10.871	69	63347	20.613	ug/l	96
57) 1,3-Dichloropropane	11.159	76	74082	20.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786	ug/l	98
59) 2-Hexanone	11.194	43	192335	101.735	ug/l	99
60) Dibromochloromethane	11.359	129	50039	20.665	ug/l	99
61) 1,2-Dibromoethane	11.465	107	43666	20.070	ug/l	100
64) Tetrachloroethene	11.106	164	36798	20.054	ug/l	92
65) Chlorobenzene	11.888	112	126753	20.539	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125	ug/l	99
67) Ethyl Benzene	11.965	91	212737	20.651	ug/l	99
68) m/p-Xylenes	12.071	106	162754	41.732	ug/l	99
69) o-Xylene	12.400	106	77396	21.214	ug/l	99
70) Styrene	12.412	104	133059	20.907	ug/l	96
71) Bromoform	12.576	173	32901	20.369	ug/l #	99
73) Isopropylbenzene	12.694	105	193023	21.127	ug/l	100
74) N-aryl acetate	12.494	43	80939	20.815	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414	ug/l	
77) Bromobenzene	12.976	156	48017	19.550	ug/l	97
78) n-propylbenzene	13.035	91	225085	21.024	ug/l	99
79) 2-Chlorotoluene	13.123	91	148533	21.233	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070	ug/l #	85
82) 4-Chlorotoluene	13.218	91	147989	20.102	ug/l	100
83) tert-Butylbenzene	13.435	119	138079	22.033	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783	ug/l	99
85) sec-Butylbenzene	13.618	105	188158	21.255	ug/l	100
86) p-Isopropyltoluene	13.729	119	156598	21.569	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458	ug/l	99
89) n-Butylbenzene	14.053	91	136771	20.139	ug/l	99
90) Hexachloroethane	14.329	117	32199	19.887	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523	ug/l	96
94) Hexachlorobutadiene	15.500	225	22216	20.066	ug/l	96
95) Naphthalene	15.635	128	153972	20.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

[illegible]

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084573.D
 Acq On : 30 Oct 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Oct 31 18:19:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.000%#		
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	19.840%#		
50) Toluene-d8	10.565	98	76892	9.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.760%#		
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.380%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l	96
3) Chloromethane	2.359	50	31342	10.950	ug/l	98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l	93
5) Bromomethane	2.901	94	12071	10.245	ug/l	95
6) Chloroethane	3.059	64	15315	10.010	ug/l #	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l	99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l	98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l	97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l #	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l	87
13) Acrolein	4.177	56	17284	50.547	ug/l	99
14) Allyl chloride	5.012	41	33287	10.021	ug/l	93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l	98
16) Acetone	4.430	43	40100	51.168	ug/l	93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l	97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l	97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l	84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l #	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l	99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l #	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l	96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l	99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l #	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l	99
30) Chloroform	7.965	83	41496	10.288	ug/l	97
31) Cyclohexane	8.247	56	37514	10.460	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l	94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l	99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l	96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l	95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l	96
40) Benzene	8.606	78	94121	9.999	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084573.D
 Acq On : 30 Oct 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128	ug/l	96
42) 1,2-Dichloroethane	8.671	62	30752	10.087	ug/l	99
43) Isopropyl Acetate	8.688	43	55871	10.611	ug/l	94
44) Trichloroethene	9.353	130	21099	9.719	ug/l	98
45) 1,2-Dichloropropane	9.618	63	22314	10.105	ug/l	96
46) Dibromomethane	9.706	93	15211	9.762	ug/l	99
47) Bromodichloromethane	9.883	83	32612	9.929	ug/l #	93
48) Methyl methacrylate	9.683	41	20961	10.127	ug/l	98
49) 1,4-Dioxane	9.700	88	7375	201.076	ug/l #	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405	ug/l	99
52) Toluene	10.630	92	56321	10.230	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303	ug/l	94
56) Ethyl methacrylate	10.871	69	29804	9.936	ug/l	98
57) 1,3-Dichloropropane	11.165	76	35790	10.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583	ug/l	97
59) 2-Hexanone	11.200	43	92772	50.273	ug/l	100
60) Dibromochloromethane	11.359	129	24541	10.383	ug/l	97
61) 1,2-Dibromoethane	11.471	107	20895	9.839	ug/l	97
64) Tetrachloroethene	11.100	164	18777	10.439	ug/l	94
65) Chlorobenzene	11.888	112	60746	10.041	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018	ug/l	98
67) Ethyl Benzene	11.965	91	101653	10.067	ug/l	99
68) m/p-Xylenes	12.071	106	75857	19.842	ug/l	100
69) o-Xylene	12.394	106	36696	10.261	ug/l	100
70) Styrene	12.412	104	61865	9.916	ug/l	98
71) Bromoform	12.576	173	15630	9.871	ug/l #	95
73) Isopropylbenzene	12.694	105	91683	10.287	ug/l	98
74) N-amyl acetate	12.494	43	38841	10.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336	ug/l	
77) Bromobenzene	12.982	156	23987	10.012	ug/l	94
78) n-propylbenzene	13.035	91	106518	10.199	ug/l	99
79) 2-Chlorotoluene	13.123	91	68678	10.064	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577	ug/l	96
82) 4-Chlorotoluene	13.218	91	71787	9.996	ug/l	99
83) tert-Butylbenzene	13.435	119	62600	10.240	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258	ug/l	98
85) sec-Butylbenzene	13.612	105	89469	10.361	ug/l	99
86) p-Isopropyltoluene	13.729	119	72307	10.210	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276	ug/l	97
89) n-Butylbenzene	14.053	91	62495	9.433	ug/l	100
90) Hexachloroethane	14.335	117	16100	10.194	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114	ug/l	97
94) Hexachlorobutadiene	15.494	225	10263	9.503	ug/l	97
95) Naphthalene	15.641	128	68919	9.363	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

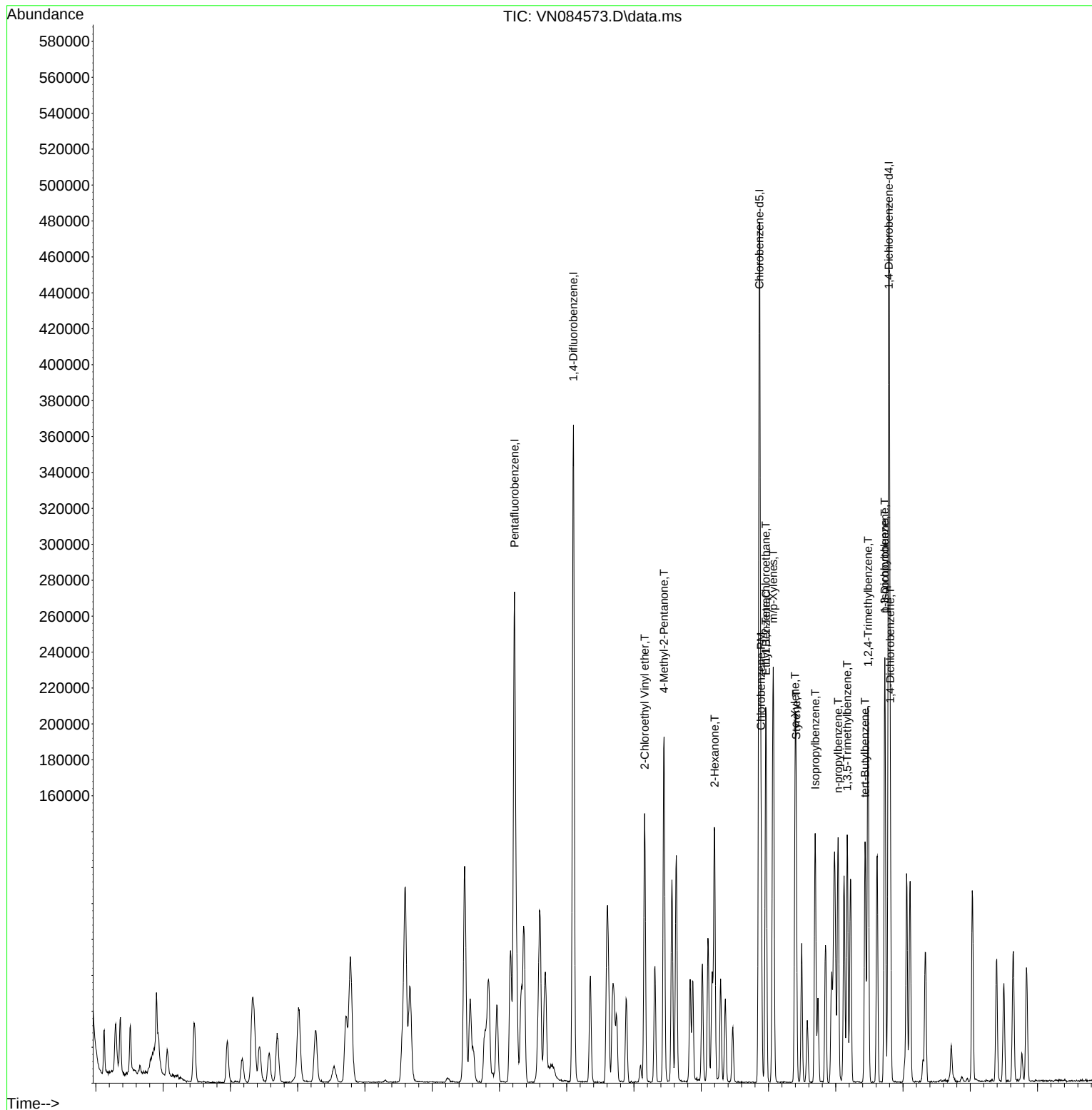
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084574.D
 Acq On : 30 Oct 2024 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:18:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.680%#		
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#		
50) Toluene-d8	10.565	98	36225	4.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#		
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l	93
3) Chloromethane	2.360	50	17076	5.115	ug/l	97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l	96
5) Bromomethane	2.901	94	6944	6.177	ug/l	98
6) Chloroethane	3.060	64	8146	4.946	ug/l	98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l	98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l	99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l #	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l #	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l	91
13) Acrolein	4.183	56	8890	27.251	ug/l	97
14) Allyl chloride	5.012	41	16771	5.292	ug/l	94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l	99
16) Acetone	4.430	43	20706	26.370	ug/l	91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l #	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l #	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l	91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l	94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l	93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l	98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l	96
25) 2-Butanone	7.489	43	31742	27.452	ug/l	97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l	94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l	98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l #	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l	99
30) Chloroform	7.959	83	20974	5.451	ug/l	92
31) Cyclohexane	8.253	56	18750	5.480	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l	97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l	99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l #	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l	96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l	95
40) Benzene	8.600	78	46044	5.129	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084574.D
 Acq On : 30 Oct 2024 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024

Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 31 18:18:08 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l	97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l	98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l #	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l	89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l	97
46) Dibromomethane	9.706	93	7752	5.217	ug/l	97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l #	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l	97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l	100
52) Toluene	10.630	92	26518	5.051	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l	93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l	94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l	98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l	97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l	96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l	97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l #	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l	99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l	98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l	100
69) o-Xylene	12.394	106	16393	4.873	ug/l	99
70) Styrene	12.412	104	27807	4.739	ug/l	98
71) Bromoform	12.577	173	7686	5.161	ug/l #	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l	99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l	
77) Bromobenzene	12.983	156	11012	4.944	ug/l	98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l	99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l	93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l	98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l	95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l	100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l	97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l	97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l	91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l	99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l	99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l	96
95) Naphthalene	15.641	128	32966	4.817	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

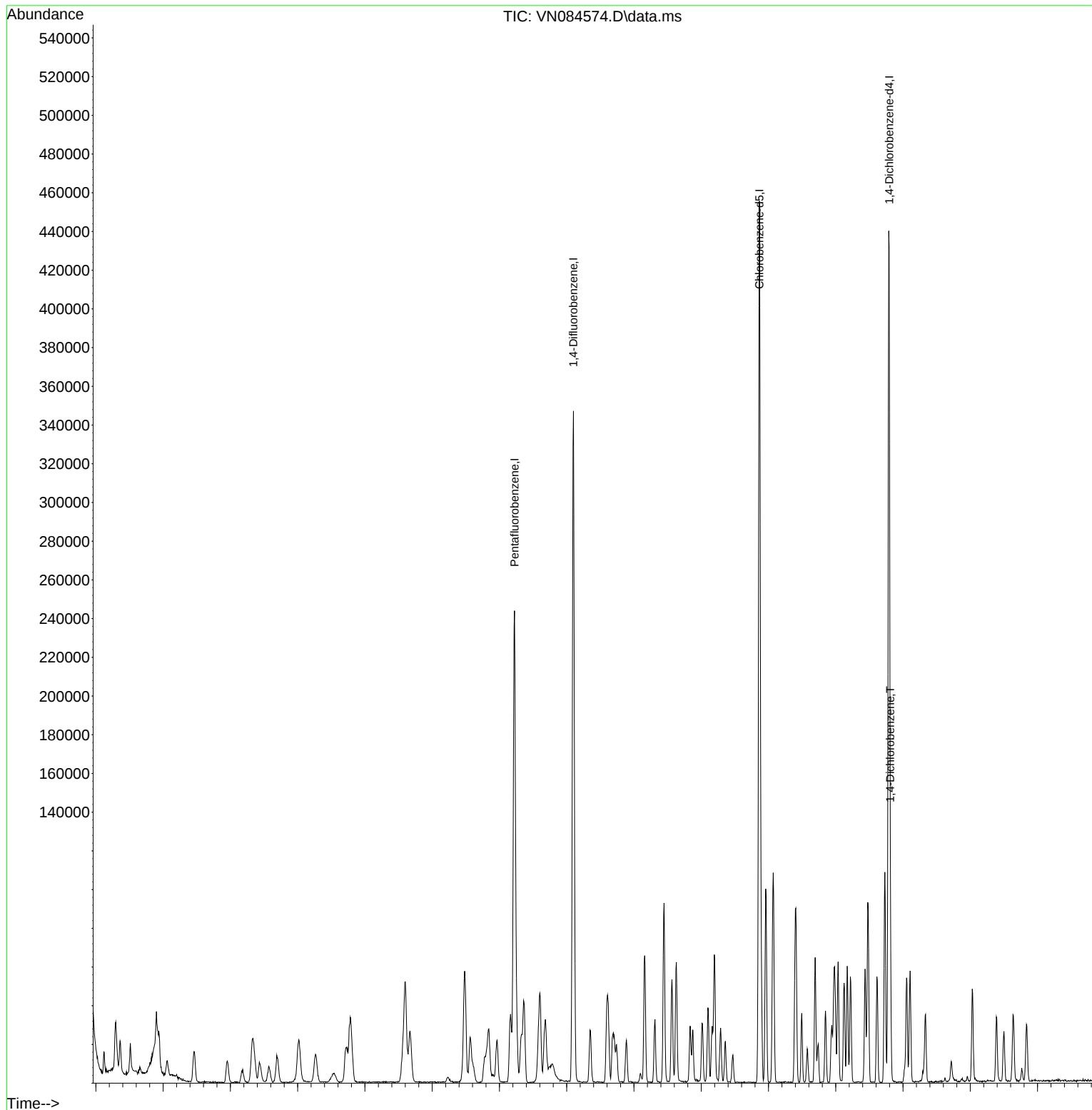
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084575.D
 Acq On : 30 Oct 2024 13:45
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:13:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l	100
3) Chloromethane	2.365	50	6046	1.880	ug/l #	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l	89
6) Chloroethane	3.083	64	2917	0.885	ug/l	98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l #	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l	90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l #	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l #	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l #	55
16) Acetone	4.430	43	5707m	5.302	ug/l	
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l #	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l #	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l	95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l #	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l #	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l #	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l	96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l #	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l #	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l #	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l #	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l #	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l	96
30) Chloroform	7.965	83	3463	0.914	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l #	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l	97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l #	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l #	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l	89
40) Benzene	8.600	78	9169	1.021	ug/l	94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l #	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l	81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l #	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l	74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084575.D
 Acq On : 30 Oct 2024 13:45
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 31 18:13:36 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991	ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008	ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837	ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468	ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234	ug/l	92
52) Toluene	10.629	92	4507	0.858	ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952	ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931	ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773	ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720	ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328	ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824	ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988	ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976	ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025	ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909	ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851	ug/l	96
69) o-Xylene	12.400	106	2759	0.831	ug/l	99
70) Styrene	12.406	104	5269	0.910	ug/l	95
71) Bromoform	12.582	173	1434	0.976	ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910	ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045	ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263	ug/l	
77) Bromobenzene	12.982	156	2440	1.182	ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882	ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833	ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080	ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788	ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860	ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872	ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796	ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801	ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055	ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399	ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298	ug/l	88
95) Naphthalene	15.635	128	7352	1.159	ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267	ug/l	91

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

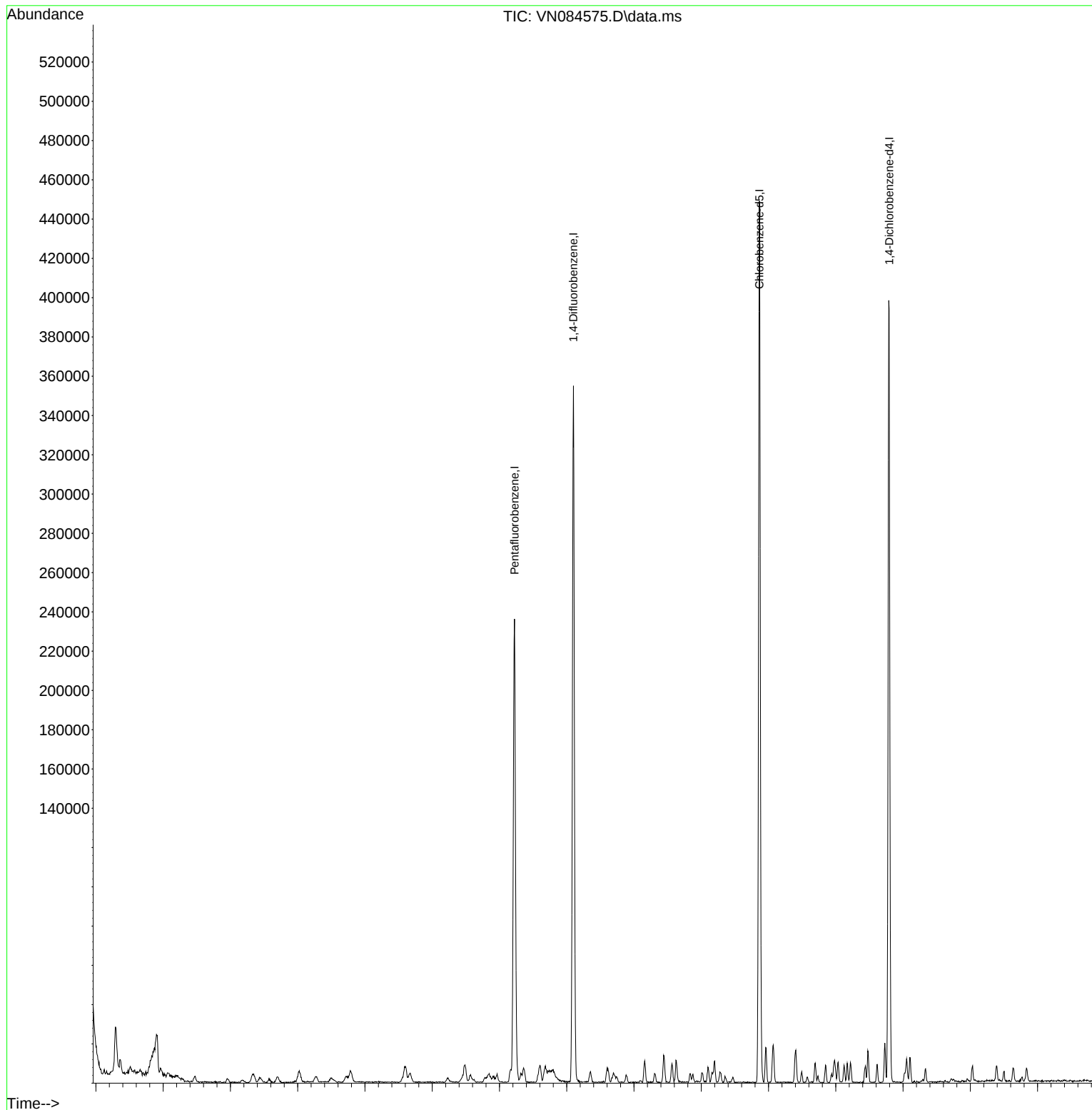
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084577.D
 Acq On : 30 Oct 2024 15:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN103024

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2024
 Supervised By : Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.120%
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.040%
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.720%
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.420%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084577.D
 Acq On : 30 Oct 2024 15:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103024

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
 Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l	99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l	99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l	98
44) Trichloroethene	9.347	130	100849	44.732	ug/l	99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l	96
46) Dibromomethane	9.706	93	74292	45.911	ug/l	96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l #	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l	97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l	98
52) Toluene	10.629	92	277957	48.616	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l	97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l	98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l	98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l	99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l	99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l	100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l	98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l	99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l	99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l	99
69) o-Xylene	12.400	106	194895	50.538	ug/l	99
70) Styrene	12.412	104	333668	49.600	ug/l	98
71) Bromoform	12.576	173	78822	46.166	ug/l #	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l	100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l	
77) Bromobenzene	12.976	156	119728	44.500	ug/l	97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l	98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l	99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l	98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l	100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l	100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l	99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l	100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l	98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l	97
95) Naphthalene	15.641	128	375360	45.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

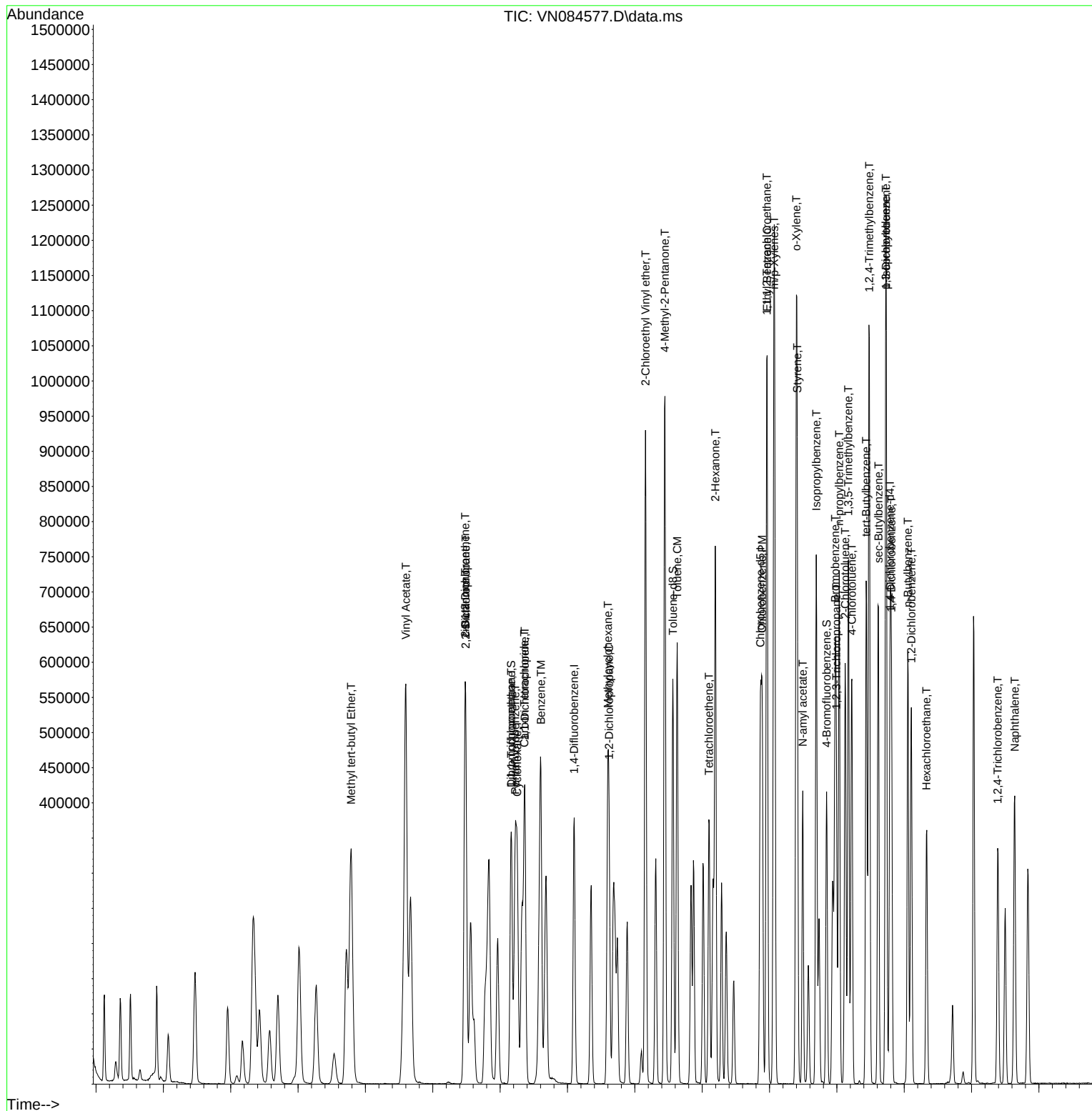
ICVVN103024

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084577.D
 Acq On : 30 Oct 2024 15:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103024

Quant Time: Oct 31 18:28:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2 T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3 P	Chloromethane	0.952	0.614	35.5#	94	0.00
4 C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5 T	Bromomethane	0.328	0.285	13.1	99	-0.05
6 T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7 T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8 T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10 T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11 T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12 CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13 T	Acrolein	0.095	0.083	12.6	97	0.00
14 T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15 T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16 T	Acetone	0.238	0.204	14.3	103	0.00
17 T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18 T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19 T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20 T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21 T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22 T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23 T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24 P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25 T	2-Butanone	0.337	0.320	5.0	105	0.00
26 T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27 T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28 T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29 T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30 C	Chloroform	1.121	1.061	5.4#	101	0.00
31 T	Cyclohexane	0.997	0.898	9.9	99	0.00
32 T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33 S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35 S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36 T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37 T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38 T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39 T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40 TM	Benzene	1.507	1.395	7.4	100	0.00
41 T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42 TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43 T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44 TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45 C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46 T	Dibromomethane	0.250	0.229	8.4	98	0.00
47 T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48 T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084577.D
 Acq On : 30 Oct 2024 15:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVVN103024

Quant Time: Oct 31 18:28:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50 S	Toluene-d8	1.247	1.206	3.3	96	0.00
51 T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52 CM	Toluene	0.882	0.857	2.8#	99	0.00
53 T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54 T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55 T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56 T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57 T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59 T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60 T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61 T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62 S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65 PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67 C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68 T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69 T	o-Xylene	0.661	0.668	-1.1	101	0.00
70 T	Styrene	1.154	1.144	0.9	99	0.00
71 P	Bromoform	0.293	0.270	7.8	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74 T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75 P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76 T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77 T	Bromobenzene	0.942	0.838	11.0	98	0.00
78 T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79 T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80 T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82 T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83 T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84 T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85 T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86 T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87 T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88 T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89 T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90 T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91 T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93 T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94 T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95 T	Naphthalene	2.894	2.628	9.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084577.D
 Acq On : 30 Oct 2024 15:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103024

Quant Time: Oct 31 18:28:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2 T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3 P	Chloromethane	50.000	45.299	9.4	94	0.00
4 C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5 T	Bromomethane	50.000	43.494	13.0	99	-0.05
6 T	Chloroethane	50.000	46.348	7.3	97	-0.05
7 T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8 T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10 T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11 T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12 CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13 T	Acrolein	250.000	218.362	12.7	97	0.00
14 T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15 T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16 T	Acetone	250.000	244.445	2.2	103	0.00
17 T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18 T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19 T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20 T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21 T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22 T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23 T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24 P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25 T	2-Butanone	250.000	237.635	4.9	105	0.00
26 T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28 T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29 T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30 C	Chloroform	50.000	47.316	5.4#	101	0.00
31 T	Cyclohexane	50.000	45.053	9.9	99	0.00
32 T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35 S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36 T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37 T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38 T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39 T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40 TM	Benzene	50.000	46.273	7.5	100	0.00
41 T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42 TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43 T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44 TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45 C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46 T	Dibromomethane	50.000	45.911	8.2	98	0.00
47 T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48 T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084577.D
 Acq On : 30 Oct 2024 15:06
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN103024

Quant Time: Oct 31 18:28:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:24:48 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1063.992	-6.4	107	0.00
50 S	Toluene-d8	50.000	48.359	3.3	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52 CM	Toluene	50.000	48.616	2.8#	99	0.00
53 T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55 T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56 T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57 T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59 T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60 T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61 T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62 S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65 PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67 C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68 T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69 T	o-Xylene	50.000	50.538	-1.1	101	0.00
70 T	Styrene	50.000	49.600	0.8	99	0.00
71 P	Bromoform	50.000	46.166	7.7	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74 T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76 T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77 T	Bromobenzene	50.000	44.500	11.0	98	0.00
78 T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79 T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82 T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83 T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85 T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86 T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87 T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88 T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89 T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90 T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91 T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93 T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94 T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95 T	Naphthalene	50.000	45.408	9.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.595	18.8	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG No.: P4799

Instrument ID: MSVOA_N Calibration Date/Time: 11/12/2024 12:25

Lab File ID: VN084789.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.674		9.06	20
1,1-Dichloroethene	0.569	0.567		-0.35	20
2-Butanone	0.337	0.404		19.88	20
Carbon Tetrachloride	0.525	0.578		10.1	20
Chloroform	1.121	1.175		4.82	20
Benzene	1.507	1.565		3.85	20
1,2-Dichloroethane	0.488	0.537		10.04	20
Trichloroethene	0.348	0.363		4.31	20
Tetrachloroethene	0.333	0.364		9.31	20
Chlorobenzene	1.119	1.182	0.3	5.63	20
1,2-Dichloroethane-d4	0.722	0.706		-2.22	20
Dibromofluoromethane	0.338	0.350		3.55	20
Toluene-d8	1.247	1.248		0.08	20
4-Bromofluorobenzene	0.466	0.478		2.58	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084789.D
 Acq On : 12 Nov 2024 12:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2024
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:31:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	154488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	250919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111546	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	109065	48.879	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.760%
35) Dibromofluoromethane	8.159	113	87852	51.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.460%
50) Toluene-d8	10.565	98	313122	50.048	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.100%
62) 4-Bromofluorobenzene	12.847	95	119902	51.279	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.560%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	86414	48.658	ug/l	96
3) Chloromethane	2.359	50	96947	46.337	ug/l	98
4) Vinyl Chloride	2.512	62	104083	54.489	ug/l	99
5) Bromomethane	2.900	94	54332	53.685	ug/l	94
6) Chloroethane	3.065	64	66462	56.388	ug/l	93
7) Trichlorofluoromethane	3.465	101	172992	54.978	ug/l	98
8) Diethyl Ether	3.947	74	61243	55.175	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.353	101	89661	50.429	ug/l	97
10) Methyl Iodide	4.571	142	127582	53.690	ug/l	95
11) Tert butyl alcohol	5.541	59	84788	287.876	ug/l	99
12) 1,1-Dichloroethene	4.324	96	87644	49.818	ug/l	98
13) Acrolein	4.171	56	74742	254.488	ug/l	99
14) Allyl chloride	5.006	41	143899	50.435	ug/l	94
15) Acrylonitrile	5.712	53	235564	276.273	ug/l	99
16) Acetone	4.424	43	212106	329.991	ug/l	94
17) Carbon Disulfide	4.694	76	247935	45.763	ug/l	99
18) Methyl Acetate	5.018	43	117737	50.006	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	306974	56.928	ug/l	97
20) Methylene Chloride	5.259	84	99741	50.824	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	91159	50.462	ug/l	99
22) Diisopropyl ether	6.665	45	296192	52.246	ug/l	95
23) Vinyl Acetate	6.594	43	1133616	289.960	ug/l	97
24) 1,1-Dichloroethane	6.565	63	171708	50.448	ug/l	99
25) 2-Butanone	7.477	43	312376	300.077	ug/l	99
26) 2,2-Dichloropropane	7.482	77	157054	53.015	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	110423	52.349	ug/l	96
28) Bromochloromethane	7.812	49	70543	52.021	ug/l	92
29) Tetrahydrofuran	7.835	42	198458	287.368	ug/l	94
30) Chloroform	7.959	83	181568	52.411	ug/l	99
31) Cyclohexane	8.253	56	145304	47.168	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	166866	52.921	ug/l	97
36) 1,1-Dichloropropene	8.365	75	124621	52.906	ug/l	98
37) Ethyl Acetate	7.559	43	123386	57.735	ug/l	98
38) Carbon Tetrachloride	8.353	117	145079	55.104	ug/l	94
39) Methylcyclohexane	9.594	83	142016	59.265	ug/l	99
40) Benzene	8.600	78	392578	51.897	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084789.D
 Acq On : 12 Nov 2024 12:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2024
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:31:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	67682	58.892	ug/l	95
42) 1,2-Dichloroethane	8.665	62	134794	55.021	ug/l	98
43) Isopropyl Acetate	8.688	43	219403	55.680	ug/l	98
44) Trichloroethene	9.347	130	91043	52.186	ug/l	95
45) 1,2-Dichloropropane	9.618	63	94618	53.321	ug/l	99
46) Dibromomethane	9.706	93	70300	56.143	ug/l	97
47) Bromodichloromethane	9.882	83	145831	55.251	ug/l #	99
48) Methyl methacrylate	9.676	41	97479	58.607	ug/l	95
49) 1,4-Dioxane	9.694	88	35391	1200.748	ug/l #	80
51) 4-Methyl-2-Pentanone	10.441	43	607785	298.325	ug/l	97
52) Toluene	10.629	92	244603	55.288	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	150099	54.938	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	161234	55.758	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	92641	55.590	ug/l	97
56) Ethyl methacrylate	10.870	69	153911	63.849	ug/l	95
57) 1,3-Dichloropropane	11.159	76	161214	56.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	361963	320.895	ug/l	96
59) 2-Hexanone	11.194	43	472775	318.810	ug/l	97
60) Dibromochloromethane	11.359	129	109575	57.691	ug/l	98
61) 1,2-Dibromoethane	11.465	107	95097	55.724	ug/l	99
64) Tetrachloroethene	11.100	164	80776	54.697	ug/l	99
65) Chlorobenzene	11.888	112	262430	52.835	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	95070	55.028	ug/l	99
67) Ethyl Benzene	11.959	91	462145	55.741	ug/l	99
68) m/p-Xylenes	12.070	106	350583	111.692	ug/l	99
69) o-Xylene	12.394	106	171098	58.270	ug/l	99
70) Styrene	12.406	104	291951	56.997	ug/l	99
71) Bromoform	12.576	173	77582	59.678	ug/l #	98
73) Isopropylbenzene	12.694	105	435572	55.722	ug/l	100
74) N-ethyl acetate	12.494	43	187407	56.329	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	137005	52.509	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	109030m	48.898	ug/l	
77) Bromobenzene	12.976	156	109151	51.942	ug/l	93
78) n-propylbenzene	13.035	91	508315	55.493	ug/l	98
79) 2-Chlorotoluene	13.123	91	318365	53.191	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	378231	58.380	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	50479m	53.708	ug/l	
82) 4-Chlorotoluene	13.217	91	322432	51.189	ug/l	97
83) tert-Butylbenzene	13.435	119	309240	57.673	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	380251	56.867	ug/l	100
85) sec-Butylbenzene	13.611	105	430534	56.843	ug/l	100
86) p-Isopropyltoluene	13.729	119	368727	59.360	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	198105	48.306	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	203863	54.366	ug/l	98
89) n-Butylbenzene	14.053	91	310235	53.392	ug/l	99
90) Hexachloroethane	14.329	117	70777	51.093	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	202260	51.324	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28671	54.241	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	110902	51.415	ug/l	100
94) Hexachlorobutadiene	15.500	225	49038	51.769	ug/l	98
95) Naphthalene	15.641	128	353754	54.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	108676	51.902	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084789.D
Acq On : 12 Nov 2024 12:25
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/13/2024
Supervised By :Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:31:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

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

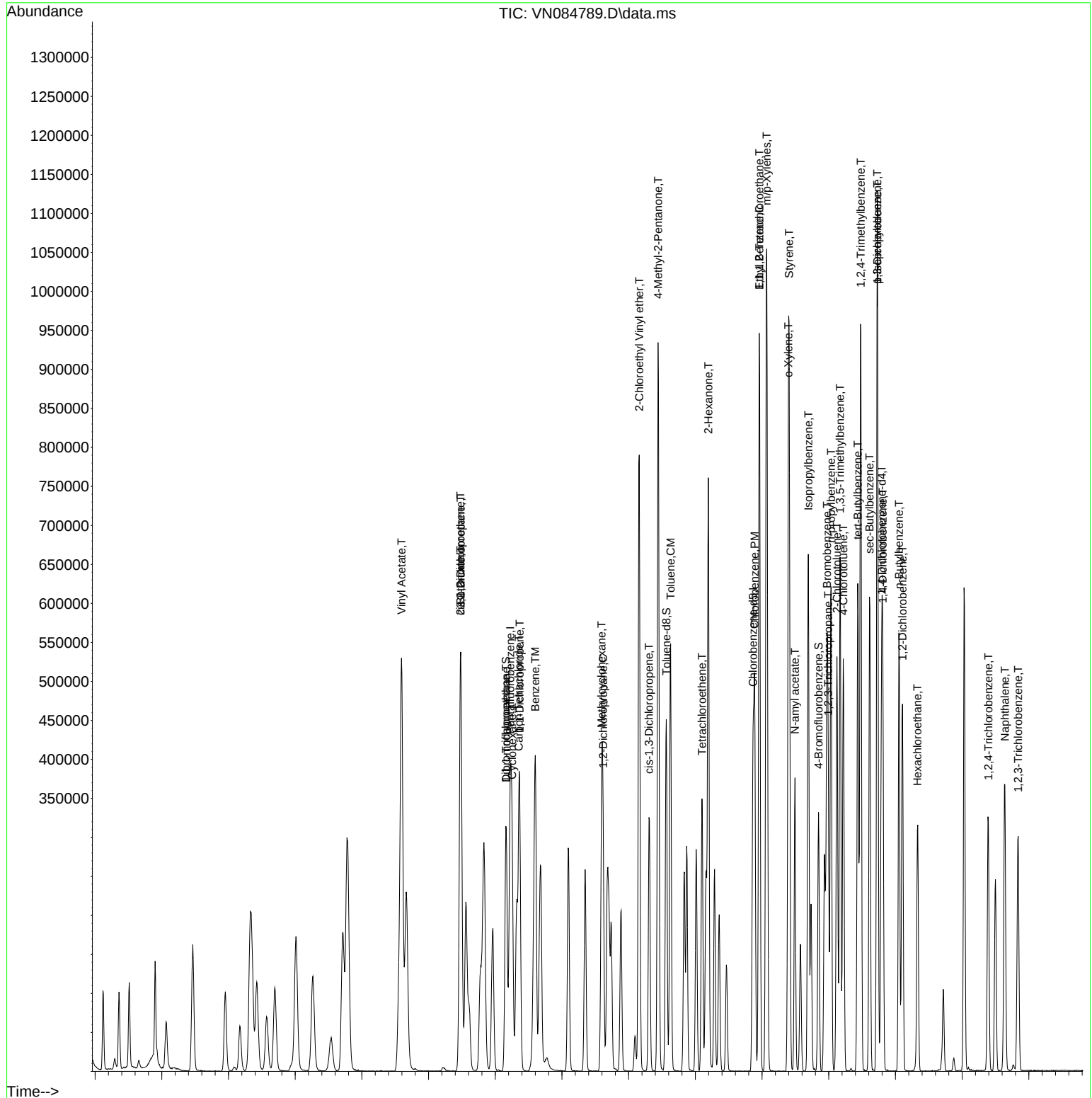
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084789.D
Acq On : 12 Nov 2024 12:25
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/13/2024
Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:31:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084789.D
 Acq On : 12 Nov 2024 12:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 23:31:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	83	0.00
2 T	Dichlorodifluoromethane	0.575	0.559	2.8	84	0.00
3 P	Chloromethane	0.952	0.628	34.0#	77	0.00
4 C	Vinyl Chloride	0.618	0.674	-9.1#	92	0.00
5 T	Bromomethane	0.328	0.352	-7.3	98	-0.05
6 T	Chloroethane	0.488	0.430	11.9	95	-0.05
7 T	Trichlorofluoromethane	1.018	1.120	-10.0	97	-0.03
8 T	Diethyl Ether	0.359	0.396	-10.3	93	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.575	0.580	-0.9	86	-0.02
10 T	Methyl Iodide	0.769	0.826	-7.4	93	-0.02
11 T	Tert butyl alcohol	0.095	0.110	-15.8	105	0.02
12 CM	1,1-Dichloroethene	0.569	0.567	0.4#	87	-0.02
13 T	Acrolein	0.095	0.097	-2.1	91	0.00
14 T	Allyl chloride	0.923	0.931	-0.9	84	-0.02
15 T	Acrylonitrile	0.276	0.305	-10.5	93	0.00
16 T	Acetone	0.238	0.275	-15.5	112	0.00
17 T	Carbon Disulfide	1.753	1.605	8.4	83	-0.02
18 T	Methyl Acetate	1.172	0.762	35.0#	84	0.00
19 T	Methyl tert-butyl Ether	1.745	1.987	-13.9	94	0.00
20 T	Methylene Chloride	0.635	0.646	-1.7	89	-0.02
21 T	trans-1,2-Dichloroethene	0.585	0.590	-0.9	87	-0.02
22 T	Diisopropyl ether	1.835	1.917	-4.5	86	0.00
23 T	Vinyl Acetate	1.265	1.468	-16.0	94	0.00
24 P	1,1-Dichloroethane	1.102	1.111	-0.8	86	0.00
25 T	2-Butanone	0.337	0.404	-19.9	106	0.00
26 T	2,2-Dichloropropane	0.959	1.017	-6.0	89	0.00
27 T	cis-1,2-Dichloroethene	0.683	0.715	-4.7	89	-0.01
28 T	Bromochloromethane	0.439	0.457	-4.1	74	0.00
29 T	Tetrahydrofuran	0.224	0.257	-14.7	96	0.00
30 C	Chloroform	1.121	1.175	-4.8#	90	0.00
31 T	Cyclohexane	0.997	0.941	5.6	83	0.00
32 T	1,1,1-Trichloroethane	1.021	1.080	-5.8	90	-0.01
33 S	1,2-Dichloroethane-d4	0.722	0.706	2.2	81	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35 S	Dibromofluoromethane	0.338	0.350	-3.6	82	0.00
36 T	1,1-Dichloropropene	0.469	0.497	-6.0	89	0.00
37 T	Ethyl Acetate	0.426	0.492	-15.5	94	0.00
38 T	Carbon Tetrachloride	0.525	0.578	-10.1	91	0.00
39 T	Methylcyclohexane	0.478	0.566	-18.4	90	0.00
40 TM	Benzene	1.507	1.565	-3.8	87	0.00
41 T	Methacrylonitrile	0.229	0.270	-17.9	88	0.00
42 TM	1,2-Dichloroethane	0.488	0.537	-10.0	88	0.00
43 T	Isopropyl Acetate	0.927	0.874	5.7	93	0.00
44 TM	Trichloroethene	0.348	0.363	-4.3	87	0.00
45 C	1,2-Dichloropropane	0.354	0.377	-6.5#	87	0.00
46 T	Dibromomethane	0.250	0.280	-12.0	92	0.00
47 T	Bromodichloromethane	0.526	0.581	-10.5	90	0.00
48 T	Methyl methacrylate	0.331	0.388	-17.2	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084789.D
 Acq On : 12 Nov 2024 12:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 23:31:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.007	-16.7	94	0.00
50 S	Toluene-d8	1.247	1.248	-0.1	77	0.00
51 T	4-Methyl-2-Pentanone	0.406	0.484	-19.2	92	0.00
52 CM	Toluene	0.882	0.975	-10.5#	87	0.00
53 T	t-1,3-Dichloropropene	0.544	0.598	-9.9	89	0.00
54 T	cis-1,3-Dichloropropene	0.576	0.643	-11.6	89	0.00
55 T	1,1,2-Trichloroethane	0.332	0.369	-11.1	90	0.00
56 T	Ethyl methacrylate	0.480	0.613	-27.7#	92	0.00
57 T	1,3-Dichloropropane	0.570	0.642	-12.6	92	0.00
58 T	2-Chloroethyl Vinyl ether	0.225	0.289	-28.4#	89	0.00
59 T	2-Hexanone	0.296	0.377	-27.4#	97	0.00
60 T	Dibromochloromethane	0.378	0.437	-15.6	89	0.00
61 T	1,2-Dibromoethane	0.340	0.379	-11.5	92	0.00
62 S	4-Bromofluorobenzene	0.466	0.478	-2.6	78	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64 T	Tetrachloroethene	0.333	0.364	-9.3	92	0.00
65 PM	Chlorobenzene	1.119	1.182	-5.6	89	0.00
66 T	1,1,1,2-Tetrachloroethane	0.389	0.428	-10.0	91	0.00
67 C	Ethyl Benzene	1.867	2.082	-11.5#	88	0.00
68 T	m/p-Xylenes	0.707	0.790	-11.7	86	0.00
69 T	o-Xylene	0.661	0.771	-16.6	89	0.00
70 T	Styrene	1.154	1.315	-14.0	87	0.00
71 P	Bromoform	0.293	0.349	-19.1	94	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73 T	Isopropylbenzene	3.504	3.905	-11.4	88	0.00
74 T	N-amyl acetate	1.491	1.680	-12.7	89	0.00
75 P	1,1,2,2-Tetrachloroethane	1.170	1.228	-5.0	92	0.00
76 T	1,2,3-Trichloropropane	0.999	0.977	2.2	89	0.00
77 T	Bromobenzene	0.942	0.979	-3.9	89	0.00
78 T	n-propylbenzene	4.106	4.557	-11.0	87	0.00
79 T	2-Chlorotoluene	2.683	2.854	-6.4	88	0.00
80 T	1,3,5-Trimethylbenzene	2.904	3.391	-16.8	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.453	-7.6	91	0.00
82 T	4-Chlorotoluene	2.823	2.891	-2.4	86	0.00
83 T	tert-Butylbenzene	2.403	2.772	-15.4	88	0.00
84 T	1,2,4-Trimethylbenzene	2.997	3.409	-13.7	87	0.00
85 T	sec-Butylbenzene	3.395	3.860	-13.7	88	0.00
86 T	p-Isopropyltoluene	2.784	3.306	-18.8	87	0.00
87 T	1,3-Dichlorobenzene	1.838	1.776	3.4	86	0.00
88 T	1,4-Dichlorobenzene	1.937	1.828	5.6	88	0.00
89 T	n-Butylbenzene	2.605	2.781	-6.8	86	0.00
90 T	Hexachloroethane	0.621	0.635	-2.3	87	0.00
91 T	1,2-Dichlorobenzene	1.766	1.813	-2.7	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.257	-8.4	96	0.00
93 T	1,2,4-Trichlorobenzene	0.967	0.994	-2.8	93	0.00
94 T	Hexachlorobutadiene	0.425	0.440	-3.5	96	0.00
95 T	Naphthalene	2.894	3.171	-9.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084789.D
Acq On : 12 Nov 2024 12:25
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 23:31:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.974	-3.7	93	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084789.D
 Acq On : 12 Nov 2024 12:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 23:31:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	83	0.00
2 T	Dichlorodifluoromethane	50.000	48.658	2.7	84	0.00
3 P	Chloromethane	50.000	46.337	7.3	77	0.00
4 C	Vinyl Chloride	50.000	54.489	-9.0#	92	0.00
5 T	Bromomethane	50.000	53.685	-7.4	98	-0.05
6 T	Chloroethane	50.000	56.388	-12.8	95	-0.05
7 T	Trichlorofluoromethane	50.000	54.978	-10.0	97	-0.03
8 T	Diethyl Ether	50.000	55.175	-10.3	93	-0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.429	-0.9	86	-0.02
10 T	Methyl Iodide	50.000	53.690	-7.4	93	-0.02
11 T	Tert butyl alcohol	250.000	287.876	-15.2	105	0.02
12 CM	1,1-Dichloroethene	50.000	49.818	0.4#	87	-0.02
13 T	Acrolein	250.000	254.488	-1.8	91	0.00
14 T	Allyl chloride	50.000	50.435	-0.9	84	-0.02
15 T	Acrylonitrile	250.000	276.273	-10.5	93	0.00
16 T	Acetone	250.000	329.991	-32.0#	112	0.00
17 T	Carbon Disulfide	50.000	45.763	8.5	83	-0.02
18 T	Methyl Acetate	50.000	50.006	-0.0	84	0.00
19 T	Methyl tert-butyl Ether	50.000	56.928	-13.9	94	0.00
20 T	Methylene Chloride	50.000	50.824	-1.6	89	-0.02
21 T	trans-1,2-Dichloroethene	50.000	50.462	-0.9	87	-0.02
22 T	Diisopropyl ether	50.000	52.246	-4.5	86	0.00
23 T	Vinyl Acetate	250.000	289.960	-16.0	94	0.00
24 P	1,1-Dichloroethane	50.000	50.448	-0.9	86	0.00
25 T	2-Butanone	250.000	300.077	-20.0	106	0.00
26 T	2,2-Dichloropropane	50.000	53.015	-6.0	89	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.349	-4.7	89	-0.01
28 T	Bromochloromethane	50.000	52.021	-4.0	74	0.00
29 T	Tetrahydrofuran	250.000	287.368	-14.9	96	0.00
30 C	Chloroform	50.000	52.411	-4.8#	90	0.00
31 T	Cyclohexane	50.000	47.168	5.7	83	0.00
32 T	1,1,1-Trichloroethane	50.000	52.921	-5.8	90	-0.01
33 S	1,2-Dichloroethane-d4	50.000	48.879	2.2	81	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35 S	Dibromofluoromethane	50.000	51.726	-3.5	82	0.00
36 T	1,1-Dichloropropene	50.000	52.906	-5.8	89	0.00
37 T	Ethyl Acetate	50.000	57.735	-15.5	94	0.00
38 T	Carbon Tetrachloride	50.000	55.104	-10.2	91	0.00
39 T	Methylcyclohexane	50.000	59.265	-18.5	90	0.00
40 TM	Benzene	50.000	51.897	-3.8	87	0.00
41 T	Methacrylonitrile	50.000	58.892	-17.8	88	0.00
42 TM	1,2-Dichloroethane	50.000	55.021	-10.0	88	0.00
43 T	Isopropyl Acetate	50.000	55.680	-11.4	93	0.00
44 TM	Trichloroethene	50.000	52.186	-4.4	87	0.00
45 C	1,2-Dichloropropane	50.000	53.321	-6.6#	87	0.00
46 T	Dibromomethane	50.000	56.143	-12.3	92	0.00
47 T	Bromodichloromethane	50.000	55.251	-10.5	90	0.00
48 T	Methyl methacrylate	50.000	58.607	-17.2	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084789.D
 Acq On : 12 Nov 2024 12:25
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 23:31:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1200.748	-20.1	94	0.00
50 S	Toluene-d8	50.000	50.048	-0.1	77	0.00
51 T	4-Methyl-2-Pentanone	250.000	298.325	-19.3	92	0.00
52 CM	Toluene	50.000	55.288	-10.6#	87	0.00
53 T	t-1,3-Dichloropropene	50.000	54.938	-9.9	89	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.758	-11.5	89	0.00
55 T	1,1,2-Trichloroethane	50.000	55.590	-11.2	90	0.00
56 T	Ethyl methacrylate	50.000	63.849	-27.7#	92	0.00
57 T	1,3-Dichloropropane	50.000	56.366	-12.7	92	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	320.895	-28.4#	89	0.00
59 T	2-Hexanone	250.000	318.810	-27.5#	97	0.00
60 T	Dibromochloromethane	50.000	57.691	-15.4	89	0.00
61 T	1,2-Dibromoethane	50.000	55.724	-11.4	92	0.00
62 S	4-Bromofluorobenzene	50.000	51.279	-2.6	78	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	80	0.00
64 T	Tetrachloroethene	50.000	54.697	-9.4	92	0.00
65 PM	Chlorobenzene	50.000	52.835	-5.7	89	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.028	-10.1	91	0.00
67 C	Ethyl Benzene	50.000	55.741	-11.5#	88	0.00
68 T	m/p-Xylenes	100.000	111.692	-11.7	86	0.00
69 T	o-Xylene	50.000	58.270	-16.5	89	0.00
70 T	Styrene	50.000	56.997	-14.0	87	0.00
71 P	Bromoform	50.000	59.678	-19.4	94	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73 T	Isopropylbenzene	50.000	55.722	-11.4	88	0.00
74 T	N-amyl acetate	50.000	56.329	-12.7	89	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.509	-5.0	92	0.00
76 T	1,2,3-Trichloropropane	50.000	48.898	2.2	89	0.00
77 T	Bromobenzene	50.000	51.942	-3.9	89	0.00
78 T	n-propylbenzene	50.000	55.493	-11.0	87	0.00
79 T	2-Chlorotoluene	50.000	53.191	-6.4	88	0.00
80 T	1,3,5-Trimethylbenzene	50.000	58.380	-16.8	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.708	-7.4	91	0.00
82 T	4-Chlorotoluene	50.000	51.189	-2.4	86	0.00
83 T	tert-Butylbenzene	50.000	57.673	-15.3	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	56.867	-13.7	87	0.00
85 T	sec-Butylbenzene	50.000	56.843	-13.7	88	0.00
86 T	p-Isopropyltoluene	50.000	59.360	-18.7	87	0.00
87 T	1,3-Dichlorobenzene	50.000	48.306	3.4	86	0.00
88 T	1,4-Dichlorobenzene	50.000	54.366	-8.7	88	0.00
89 T	n-Butylbenzene	50.000	53.392	-6.8	86	0.00
90 T	Hexachloroethane	50.000	51.093	-2.2	87	0.00
91 T	1,2-Dichlorobenzene	50.000	51.324	-2.6	90	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.241	-8.5	96	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.415	-2.8	93	0.00
94 T	Hexachlorobutadiene	50.000	51.769	-3.5	96	0.00
95 T	Naphthalene	50.000	54.792	-9.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084789.D
Acq On : 12 Nov 2024 12:25
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 23:31:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.902	-3.8	93	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4799 SAS No.: P4799 SDG No.: P4799

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.665		7.61	20
1,1-Dichloroethene	0.569	0.539		-5.27	20
2-Butanone	0.337	0.325		-3.56	20
Carbon Tetrachloride	0.525	0.567		8	20
Chloroform	1.121	1.116		-0.45	20
Benzene	1.507	1.535		1.86	20
1,2-Dichloroethane	0.488	0.515		5.53	20
Trichloroethene	0.348	0.357		2.59	20
Tetrachloroethene	0.333	0.370		11.11	20
Chlorobenzene	1.119	1.142	0.3	2.06	20
1,2-Dichloroethane-d4	0.722	0.681		-5.68	20
Dibromofluoromethane	0.338	0.348		2.96	20
Toluene-d8	1.247	1.247		0	20
4-Bromofluorobenzene	0.466	0.482		3.43	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2024
 Supervised By : Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	176295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	281546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126719	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120107	47.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.340%
35) Dibromofluoromethane	8.159	113	97958	51.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.800%
50) Toluene-d8	10.559	98	351154	50.021	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.040%
62) 4-Bromofluorobenzene	12.847	95	135745	51.739	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.480%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	96195	47.465	ug/l	94
3) Chloromethane	2.359	50	107226	44.829	ug/l	100
4) Vinyl Chloride	2.512	62	117161	53.749	ug/l	96
5) Bromomethane	2.906	94	59293	51.340	ug/l	95
6) Chloroethane	3.077	64	73561	54.647	ug/l	98
7) Trichlorofluoromethane	3.471	101	182918	50.942	ug/l	93
8) Diethyl Ether	3.959	74	63024	49.756	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	101897	50.222	ug/l	96
10) Methyl Iodide	4.577	142	140001	51.629	ug/l	97
11) Tert butyl alcohol	5.530	59	70720	210.411	ug/l	100
12) 1,1-Dichloroethene	4.324	96	95055	47.347	ug/l	96
13) Acrolein	4.171	56	65521	195.496	ug/l	99
14) Allyl chloride	5.012	41	150935	46.358	ug/l	94
15) Acrylonitrile	5.712	53	227445	233.755	ug/l	98
16) Acetone	4.424	43	180714	245.643	ug/l	100
17) Carbon Disulfide	4.700	76	269968	43.666	ug/l	97
18) Methyl Acetate	5.018	43	111174	40.630	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	317360	51.574	ug/l	100
20) Methylene Chloride	5.271	84	105808	47.246	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	99711	48.368	ug/l	97
22) Diisopropyl ether	6.665	45	314968	48.685	ug/l	98
23) Vinyl Acetate	6.594	43	1120244	251.096	ug/l	99
24) 1,1-Dichloroethane	6.559	63	188301	48.480	ug/l	97
25) 2-Butanone	7.477	43	286555	241.222	ug/l	96
26) 2,2-Dichloropropane	7.483	77	173974	51.462	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	118677	49.303	ug/l	96
28) Bromochloromethane	7.806	49	83558	53.996	ug/l	92
29) Tetrahydrofuran	7.835	42	182415	231.465	ug/l	94
30) Chloroform	7.959	83	196747	49.768	ug/l	100
31) Cyclohexane	8.253	56	160995	45.797	ug/l	93
32) 1,1,1-Trichloroethane	8.159	97	182339	50.675	ug/l	98
36) 1,1-Dichloropropene	8.365	75	134688	50.960	ug/l	98
37) Ethyl Acetate	7.553	43	118334	49.347	ug/l	96
38) Carbon Tetrachloride	8.359	117	159542	54.005	ug/l	98
39) Methylcyclohexane	9.594	83	153429	57.062	ug/l	98
40) Benzene	8.600	78	432055	50.902	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2024
 Supervised By :Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	66538	51.598	ug/l	95
42) 1,2-Dichloroethane	8.665	62	145008	52.752	ug/l	99
43) Isopropyl Acetate	8.682	43	213313	48.114	ug/l	98
44) Trichloroethene	9.347	130	100437	51.308	ug/l	98
45) 1,2-Dichloropropane	9.618	63	103643	52.053	ug/l	99
46) Dibromomethane	9.700	93	72822	51.831	ug/l	97
47) Bromodichloromethane	9.882	83	153343	51.777	ug/l #	98
48) Methyl methacrylate	9.677	41	92115	49.357	ug/l	93
49) 1,4-Dioxane	9.694	88	33022	998.496	ug/l #	82
51) 4-Methyl-2-Pentanone	10.441	43	580539	253.954	ug/l	98
52) Toluene	10.629	92	265281	53.439	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	153620	50.111	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	169890	52.361	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	97167	51.963	ug/l	95
56) Ethyl methacrylate	10.871	69	149768	55.371	ug/l	94
57) 1,3-Dichloropropane	11.159	76	167938	52.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	350740	277.120	ug/l	96
59) 2-Hexanone	11.194	43	439014	263.840	ug/l	97
60) Dibromochloromethane	11.353	129	113439	53.229	ug/l	99
61) 1,2-Dibromoethane	11.465	107	95450	49.846	ug/l	99
64) Tetrachloroethene	11.100	164	89817	55.554	ug/l	99
65) Chlorobenzene	11.888	112	277610	51.053	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	102195	54.032	ug/l	99
67) Ethyl Benzene	11.959	91	492839	54.298	ug/l	99
68) m/p-Xylenes	12.065	106	377788	109.941	ug/l	99
69) o-Xylene	12.394	106	182515	56.777	ug/l	98
70) Styrene	12.406	104	306011	54.571	ug/l	99
71) Bromoform	12.576	173	76509	53.758	ug/l #	98
73) Isopropylbenzene	12.694	105	461304	51.948	ug/l	100
74) N-amyl acetate	12.494	43	178664	47.271	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	133876	45.166	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	123787m	48.869	ug/l	
77) Bromobenzene	12.976	156	113968	47.740	ug/l	93
78) n-propylbenzene	13.035	91	541039	51.993	ug/l	99
79) 2-Chlorotoluene	13.123	91	340930	50.141	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	401124	54.500	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49512	46.372	ug/l	92
82) 4-Chlorotoluene	13.217	91	344801	48.186	ug/l	99
83) tert-Butylbenzene	13.435	119	336487	55.241	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	409543	53.914	ug/l	100
85) sec-Butylbenzene	13.612	105	466097	54.170	ug/l	100
86) p-Isopropyltoluene	13.723	119	398693	56.499	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	215220	46.195	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	215716	50.517	ug/l	99
89) n-Butylbenzene	14.053	91	331088	50.158	ug/l	99
90) Hexachloroethane	14.329	117	73345	46.607	ug/l	94
91) 1,2-Dichlorobenzene	14.100	146	207784	46.412	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24575	40.926	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	104240	42.540	ug/l	98
94) Hexachlorobutadiene	15.500	225	50297	46.740	ug/l	98
95) Naphthalene	15.635	128	320037	43.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	105664	44.421	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By : John Carlone 11/14/2024

Supervised By : Mahesh Dadoda 11/14/2024

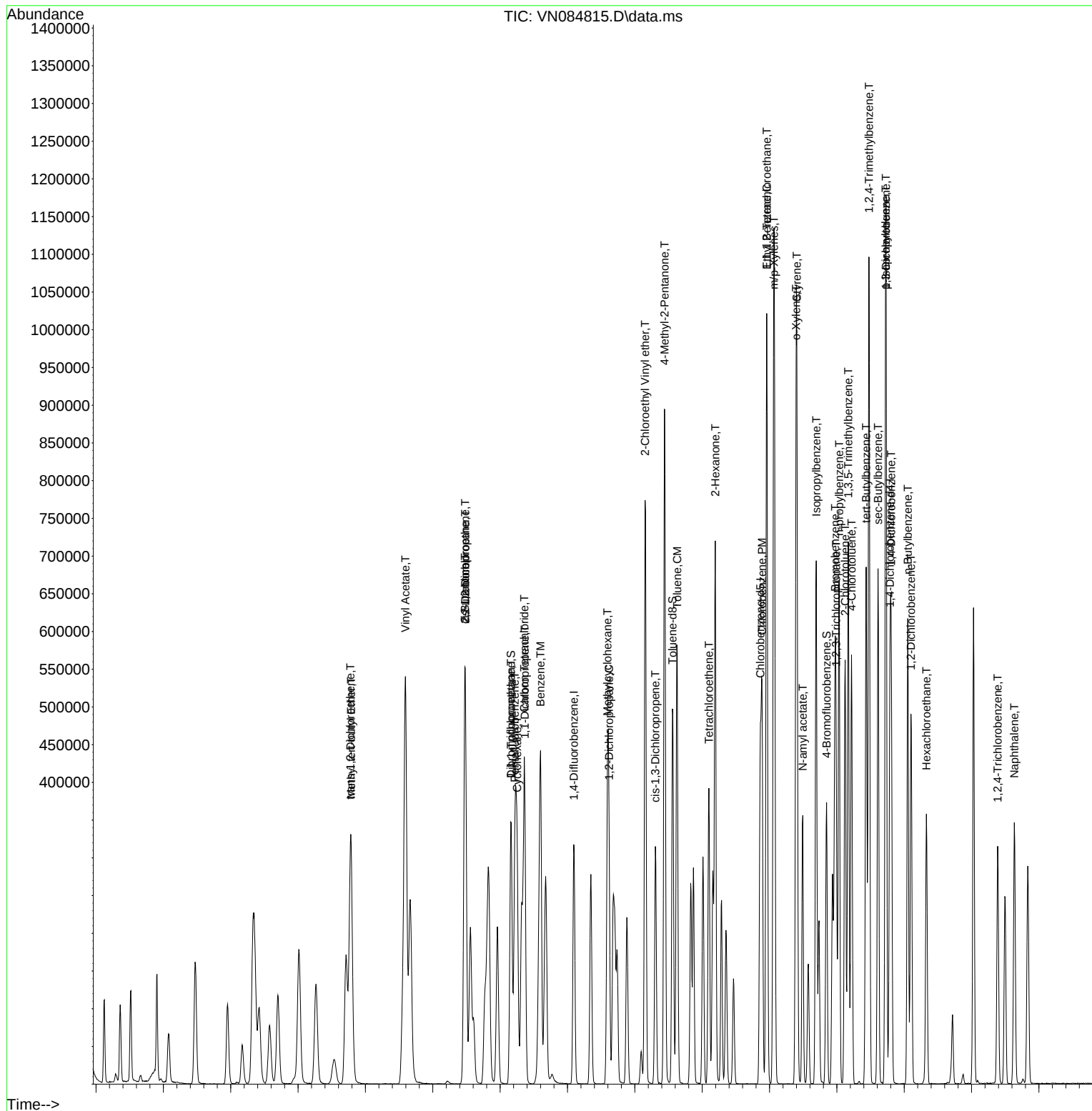
Quant Time: Nov 14 00:28:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 31 18:45:38 2024

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2 T	Dichlorodifluoromethane	0.575	0.546	5.0	93	0.00
3 P	Chloromethane	0.952	0.608	36.1#	86	0.00
4 C	Vinyl Chloride	0.618	0.665	-7.6#	104	0.00
5 T	Bromomethane	0.328	0.336	-2.4	107	-0.05
6 T	Chloroethane	0.488	0.417	14.5	105	-0.04
7 T	Trichlorofluoromethane	1.018	1.038	-2.0	102	-0.02
8 T	Diethyl Ether	0.359	0.357	0.6	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.575	0.578	-0.5	98	-0.01
10 T	Methyl Iodide	0.769	0.794	-3.3	102	-0.02
11 T	Tert butyl alcohol	0.095	0.080	15.8	88	0.00
12 CM	1,1-Dichloroethene	0.569	0.539	5.3#	95	-0.02
13 T	Acrolein	0.095	0.074	22.1	80	0.00
14 T	Allyl chloride	0.923	0.856	7.3	88	-0.01
15 T	Acrylonitrile	0.276	0.258	6.5	90	0.00
16 T	Acetone	0.238	0.205	13.9	95	0.00
17 T	Carbon Disulfide	1.753	1.531	12.7	90	-0.01
18 T	Methyl Acetate	1.172	0.631	46.2#	80	0.00
19 T	Methyl tert-butyl Ether	1.745	1.800	-3.2	97	0.00
20 T	Methylene Chloride	0.635	0.600	5.5	94	0.00
21 T	trans-1,2-Dichloroethene	0.585	0.566	3.2	95	-0.01
22 T	Diisopropyl ether	1.835	1.787	2.6	91	0.00
23 T	Vinyl Acetate	1.265	1.271	-0.5	92	0.00
24 P	1,1-Dichloroethane	1.102	1.068	3.1	95	-0.01
25 T	2-Butanone	0.337	0.325	3.6	97	0.00
26 T	2,2-Dichloropropane	0.959	0.987	-2.9	99	0.00
27 T	cis-1,2-Dichloroethene	0.683	0.673	1.5	96	0.00
28 T	Bromochloromethane	0.439	0.474	-8.0	88	0.00
29 T	Tetrahydrofuran	0.224	0.207	7.6	88	0.00
30 C	Chloroform	1.121	1.116	0.4#	97	0.00
31 T	Cyclohexane	0.997	0.913	8.4	92	0.00
32 T	1,1,1-Trichloroethane	1.021	1.034	-1.3	99	-0.01
33 S	1,2-Dichloroethane-d4	0.722	0.681	5.7	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.338	0.348	-3.0	91	0.00
36 T	1,1-Dichloropropene	0.469	0.478	-1.9	96	0.00
37 T	Ethyl Acetate	0.426	0.420	1.4	90	0.00
38 T	Carbon Tetrachloride	0.525	0.567	-8.0	100	0.00
39 T	Methylcyclohexane	0.478	0.545	-14.0	97	0.00
40 TM	Benzene	1.507	1.535	-1.9	96	0.00
41 T	Methacrylonitrile	0.229	0.236	-3.1	87	0.00
42 TM	1,2-Dichloroethane	0.488	0.515	-5.5	94	0.00
43 T	Isopropyl Acetate	0.927	0.758	18.2	91	0.00
44 TM	Trichloroethene	0.348	0.357	-2.6	96	0.00
45 C	1,2-Dichloropropane	0.354	0.368	-4.0#	96	0.00
46 T	Dibromomethane	0.250	0.259	-3.6	96	0.00
47 T	Bromodichloromethane	0.526	0.545	-3.6	94	0.00
48 T	Methyl methacrylate	0.331	0.327	1.2	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.006	0.0	88	0.00
50 S	Toluene-d8	1.247	1.247	0.0	87	0.00
51 T	4-Methyl-2-Pentanone	0.406	0.412	-1.5	88	0.00
52 CM	Toluene	0.882	0.942	-6.8#	95	0.00
53 T	t-1,3-Dichloropropene	0.544	0.546	-0.4	91	0.00
54 T	cis-1,3-Dichloropropene	0.576	0.603	-4.7	94	0.00
55 T	1,1,2-Trichloroethane	0.332	0.345	-3.9	95	0.00
56 T	Ethyl methacrylate	0.480	0.532	-10.8	89	0.00
57 T	1,3-Dichloropropane	0.570	0.596	-4.6	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.225	0.249	-10.7	86	0.00
59 T	2-Hexanone	0.296	0.312	-5.4	90	0.00
60 T	Dibromochloromethane	0.378	0.403	-6.6	92	0.00
61 T	1,2-Dibromoethane	0.340	0.339	0.3	92	0.00
62 S	4-Bromofluorobenzene	0.466	0.482	-3.4	88	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64 T	Tetrachloroethene	0.333	0.370	-11.1	103	0.00
65 PM	Chlorobenzene	1.119	1.142	-2.1	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.389	0.420	-8.0	97	0.00
67 C	Ethyl Benzene	1.867	2.028	-8.6#	93	0.00
68 T	m/p-Xylenes	0.707	0.777	-9.9	93	0.00
69 T	o-Xylene	0.661	0.751	-13.6	95	0.00
70 T	Styrene	1.154	1.259	-9.1	91	0.00
71 P	Bromoform	0.293	0.315	-7.5	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73 T	Isopropylbenzene	3.504	3.640	-3.9	93	0.00
74 T	N-amyl acetate	1.491	1.410	5.4	85	0.00
75 P	1,1,2,2-Tetrachloroethane	1.170	1.056	9.7	90	0.00
76 T	1,2,3-Trichloropropane	0.999	0.977	2.2	101	0.00
77 T	Bromobenzene	0.942	0.899	4.6	93	0.00
78 T	n-propylbenzene	4.106	4.270	-4.0	92	0.00
79 T	2-Chlorotoluene	2.683	2.690	-0.3	94	0.00
80 T	1,3,5-Trimethylbenzene	2.904	3.165	-9.0	95	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.391	7.1	89	0.00
82 T	4-Chlorotoluene	2.823	2.721	3.6	92	0.00
83 T	tert-Butylbenzene	2.403	2.655	-10.5	96	0.00
84 T	1,2,4-Trimethylbenzene	2.997	3.232	-7.8	94	0.00
85 T	sec-Butylbenzene	3.395	3.678	-8.3	95	0.00
86 T	p-Isopropyltoluene	2.784	3.146	-13.0	95	0.00
87 T	1,3-Dichlorobenzene	1.838	1.698	7.6	93	0.00
88 T	1,4-Dichlorobenzene	1.937	1.702	12.1	93	0.00
89 T	n-Butylbenzene	2.605	2.613	-0.3	91	0.00
90 T	Hexachloroethane	0.621	0.579	6.8	90	0.00
91 T	1,2-Dichlorobenzene	1.766	1.640	7.1	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.194	18.1	82	0.00
93 T	1,2,4-Trichlorobenzene	0.967	0.823	14.9	87	0.00
94 T	Hexachlorobutadiene	0.425	0.397	6.6	99	0.00
95 T	Naphthalene	2.894	2.526	12.7	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.834	11.2	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2 T	Dichlorodifluoromethane	50.000	47.465	5.1	93	0.00
3 P	Chloromethane	50.000	44.829	10.3	86	0.00
4 C	Vinyl Chloride	50.000	53.749	-7.5#	104	0.00
5 T	Bromomethane	50.000	51.340	-2.7	107	-0.05
6 T	Chloroethane	50.000	54.647	-9.3	105	-0.04
7 T	Trichlorofluoromethane	50.000	50.942	-1.9	102	-0.02
8 T	Diethyl Ether	50.000	49.756	0.5	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.222	-0.4	98	-0.01
10 T	Methyl Iodide	50.000	51.629	-3.3	102	-0.02
11 T	Tert butyl alcohol	250.000	210.411	15.8	88	0.00
12 CM	1,1-Dichloroethene	50.000	47.347	5.3#	95	-0.02
13 T	Acrolein	250.000	195.496	21.8	80	0.00
14 T	Allyl chloride	50.000	46.358	7.3	88	-0.01
15 T	Acrylonitrile	250.000	233.755	6.5	90	0.00
16 T	Acetone	250.000	245.643	1.7	95	0.00
17 T	Carbon Disulfide	50.000	43.666	12.7	90	-0.01
18 T	Methyl Acetate	50.000	40.630	18.7	80	0.00
19 T	Methyl tert-butyl Ether	50.000	51.574	-3.1	97	0.00
20 T	Methylene Chloride	50.000	47.246	5.5	94	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.368	3.3	95	-0.01
22 T	Diisopropyl ether	50.000	48.685	2.6	91	0.00
23 T	Vinyl Acetate	250.000	251.096	-0.4	92	0.00
24 P	1,1-Dichloroethane	50.000	48.480	3.0	95	-0.01
25 T	2-Butanone	250.000	241.222	3.5	97	0.00
26 T	2,2-Dichloropropane	50.000	51.462	-2.9	99	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.303	1.4	96	0.00
28 T	Bromochloromethane	50.000	53.996	-8.0	88	0.00
29 T	Tetrahydrofuran	250.000	231.465	7.4	88	0.00
30 C	Chloroform	50.000	49.768	0.5#	97	0.00
31 T	Cyclohexane	50.000	45.797	8.4	92	0.00
32 T	1,1,1-Trichloroethane	50.000	50.675	-1.3	99	-0.01
33 S	1,2-Dichloroethane-d4	50.000	47.169	5.7	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	51.402	-2.8	91	0.00
36 T	1,1-Dichloropropene	50.000	50.960	-1.9	96	0.00
37 T	Ethyl Acetate	50.000	49.347	1.3	90	0.00
38 T	Carbon Tetrachloride	50.000	54.005	-8.0	100	0.00
39 T	Methylcyclohexane	50.000	57.062	-14.1	97	0.00
40 TM	Benzene	50.000	50.902	-1.8	96	0.00
41 T	Methacrylonitrile	50.000	51.598	-3.2	87	0.00
42 TM	1,2-Dichloroethane	50.000	52.752	-5.5	94	0.00
43 T	Isopropyl Acetate	50.000	48.114	3.8	91	0.00
44 TM	Trichloroethene	50.000	51.308	-2.6	96	0.00
45 C	1,2-Dichloropropane	50.000	52.053	-4.1#	96	0.00
46 T	Dibromomethane	50.000	51.831	-3.7	96	0.00
47 T	Bromodichloromethane	50.000	51.777	-3.6	94	0.00
48 T	Methyl methacrylate	50.000	49.357	1.3	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084815.D
 Acq On : 13 Nov 2024 09:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	998.496	0.2	88	0.00
50 S	Toluene-d8	50.000	50.021	-0.0	87	0.00
51 T	4-Methyl-2-Pentanone	250.000	253.954	-1.6	88	0.00
52 CM	Toluene	50.000	53.439	-6.9#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	50.111	-0.2	91	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.361	-4.7	94	0.00
55 T	1,1,2-Trichloroethane	50.000	51.963	-3.9	95	0.00
56 T	Ethyl methacrylate	50.000	55.371	-10.7	89	0.00
57 T	1,3-Dichloropropane	50.000	52.330	-4.7	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	277.120	-10.8	86	0.00
59 T	2-Hexanone	250.000	263.840	-5.5	90	0.00
60 T	Dibromochloromethane	50.000	53.229	-6.5	92	0.00
61 T	1,2-Dibromoethane	50.000	49.846	0.3	92	0.00
62 S	4-Bromofluorobenzene	50.000	51.739	-3.5	88	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64 T	Tetrachloroethene	50.000	55.554	-11.1	103	0.00
65 PM	Chlorobenzene	50.000	51.053	-2.1	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.032	-8.1	97	0.00
67 C	Ethyl Benzene	50.000	54.298	-8.6#	93	0.00
68 T	m/p-Xylenes	100.000	109.941	-9.9	93	0.00
69 T	o-Xylene	50.000	56.777	-13.6	95	0.00
70 T	Styrene	50.000	54.571	-9.1	91	0.00
71 P	Bromoform	50.000	53.758	-7.5	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73 T	Isopropylbenzene	50.000	51.948	-3.9	93	0.00
74 T	N-amyl acetate	50.000	47.271	5.5	85	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.166	9.7	90	0.00
76 T	1,2,3-Trichloropropane	50.000	48.869	2.3	101	0.00
77 T	Bromobenzene	50.000	47.740	4.5	93	0.00
78 T	n-propylbenzene	50.000	51.993	-4.0	92	0.00
79 T	2-Chlorotoluene	50.000	50.141	-0.3	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.500	-9.0	95	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.372	7.3	89	0.00
82 T	4-Chlorotoluene	50.000	48.186	3.6	92	0.00
83 T	tert-Butylbenzene	50.000	55.241	-10.5	96	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.914	-7.8	94	0.00
85 T	sec-Butylbenzene	50.000	54.170	-8.3	95	0.00
86 T	p-Isopropyltoluene	50.000	56.499	-13.0	95	0.00
87 T	1,3-Dichlorobenzene	50.000	46.195	7.6	93	0.00
88 T	1,4-Dichlorobenzene	50.000	50.517	-1.0	93	0.00
89 T	n-Butylbenzene	50.000	50.158	-0.3	91	0.00
90 T	Hexachloroethane	50.000	46.607	6.8	90	0.00
91 T	1,2-Dichlorobenzene	50.000	46.412	7.2	93	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	40.926	18.1	82	0.00
93 T	1,2,4-Trichlorobenzene	50.000	42.540	14.9	87	0.00
94 T	Hexachlorobutadiene	50.000	46.740	6.5	99	0.00
95 T	Naphthalene	50.000	43.634	12.7	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.421	11.2	91	0.00

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



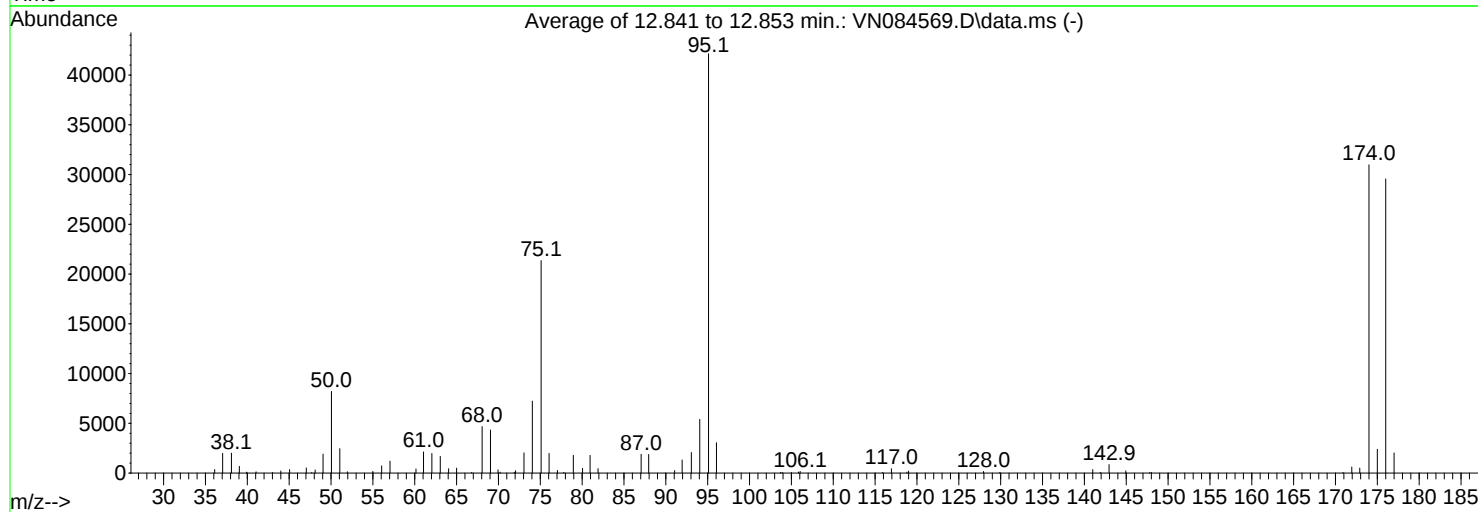
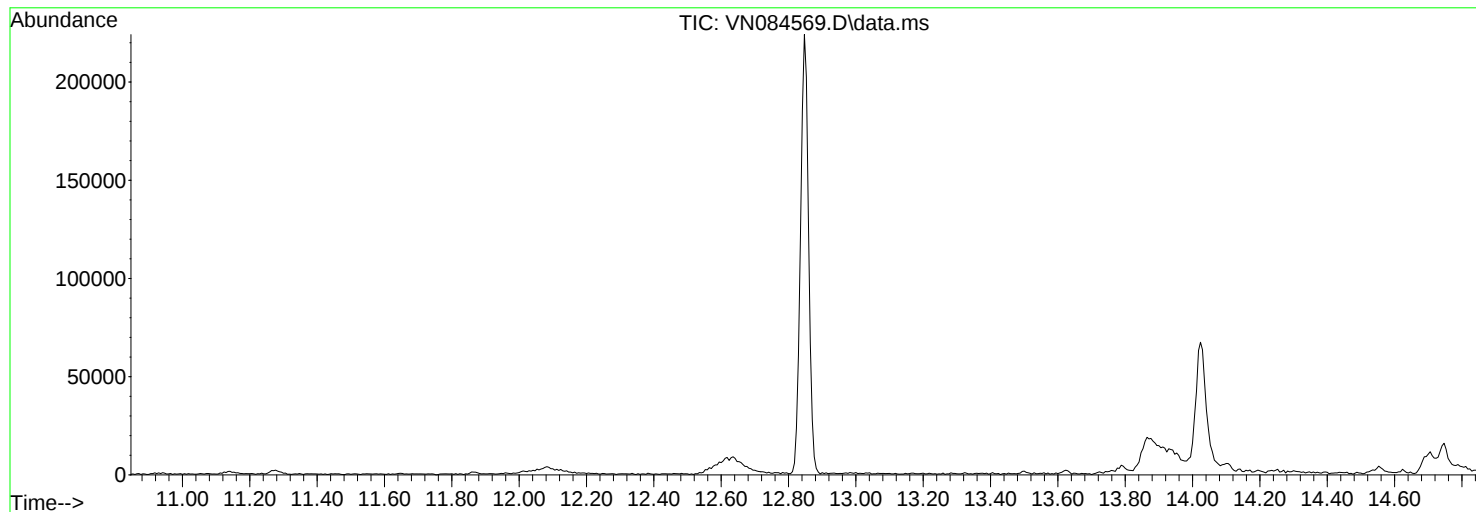
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	359	48.10	321	63.05	1677	74.05	7235
37.05	1972	49.05	1905	64.05	441	75.10	21357
38.10	2004	50.05	8210	65.00	496	76.05	1981
39.05	674	51.05	2454	66.80	70	77.05	260
39.90	98	51.95	137	68.05	4674	77.80	63
41.05	129	55.00	174	69.05	4327	78.95	1789
43.00	58	56.05	724	69.95	329	80.05	481
44.00	211	57.05	1205	70.20	94	80.95	1784
45.05	351	60.15	415	71.90	82	81.90	450
47.05	515	61.05	2127	72.05	237	87.05	1893
47.70	66	62.05	1973	73.05	2035	87.95	1870

Average of 12.841 to 12.853 min.: VN084569.D\data.ms

BFB

Modified:subtracted

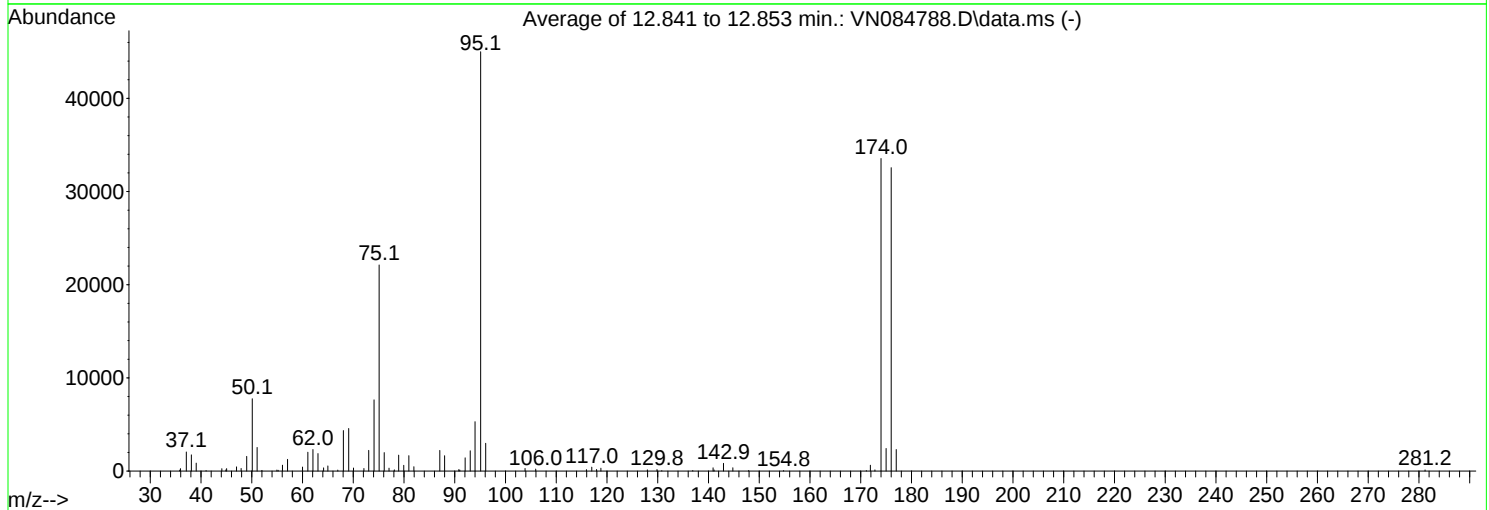
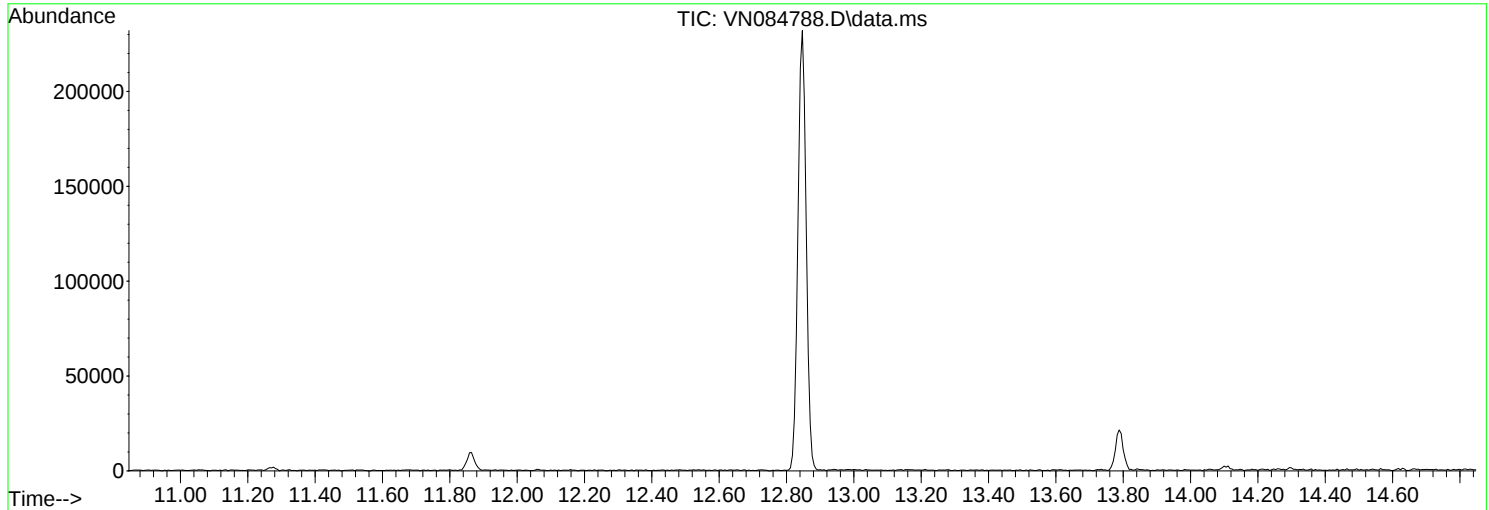
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	256	115.90	54	148.00	75		
91.95	1316	116.95	438	170.90	52		
93.05	2070	118.80	90	171.95	607		
94.05	5401	119.00	202	172.90	502		
95.10	42141	127.95	162	174.00	30984		
96.05	3053	129.90	69	175.00	2392		
103.70	65	141.00	358	176.00	29560		
103.90	65	141.90	66	177.00	2026		
105.00	53	142.95	857				
105.85	107	144.95	228				
106.05	162	147.80	53				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084788.D
Acq On : 12 Nov 2024 10:19
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	7763	PASS
75	95	30	60	49.2	22120	PASS
95	95	100	100	100.0	45005	PASS
96	95	5	9	6.6	2982	PASS
173	174	0.00	2	0.4	130	PASS
174	95	50	100	74.5	33547	PASS
175	174	5	9	7.2	2426	PASS
176	174	95	101	97.1	32563	PASS
177	176	5	9	7.1	2315	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	101	49.00	1579	63.05	1883	76.10	1983
35.95	263	50.10	7763	64.15	345	77.05	312
37.10	2053	51.05	2536	65.00	551	78.10	135
38.10	1741	52.00	72	66.95	111	78.95	1712
39.05	857	54.95	117	68.05	4346	79.95	617
41.00	57	55.20	86	69.10	4573	80.95	1657
44.10	261	56.05	637	70.05	328	81.95	470
44.90	127	57.05	1257	72.10	279	87.05	2214
45.05	263	60.00	434	73.05	2220	88.00	1650
47.00	454	61.05	2027	74.10	7646	90.80	159
47.90	282	62.05	2314	75.10	22120	91.00	114

Average of 12.841 to 12.853 min.: VN084788.D\data.ms

BFB

Modified:subtracted

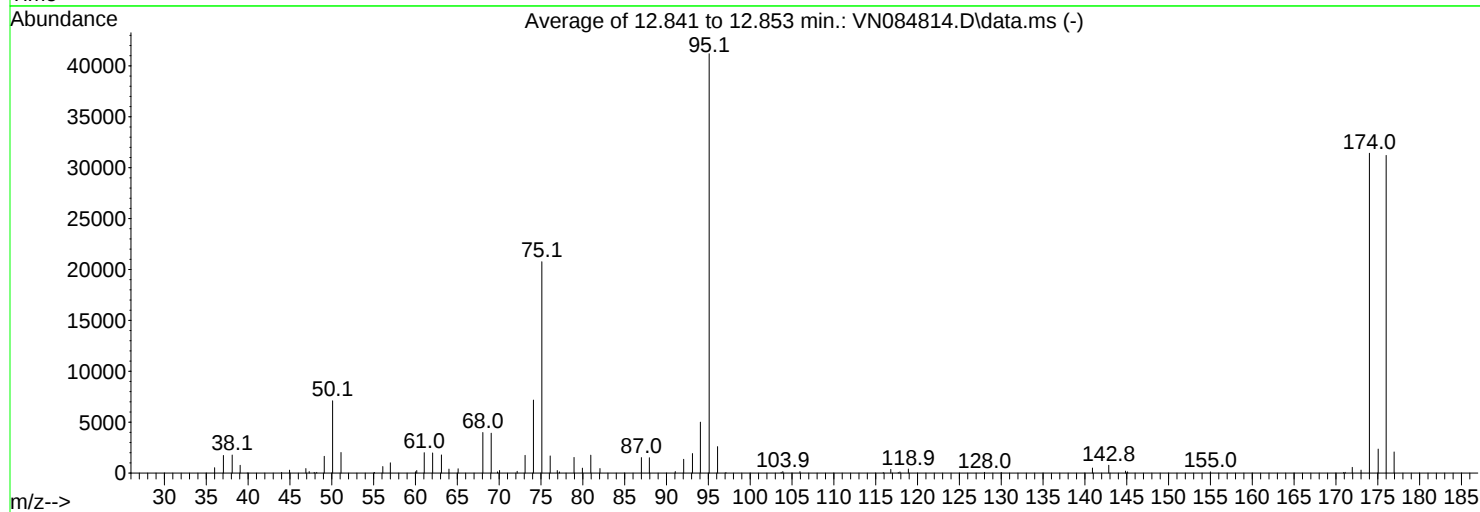
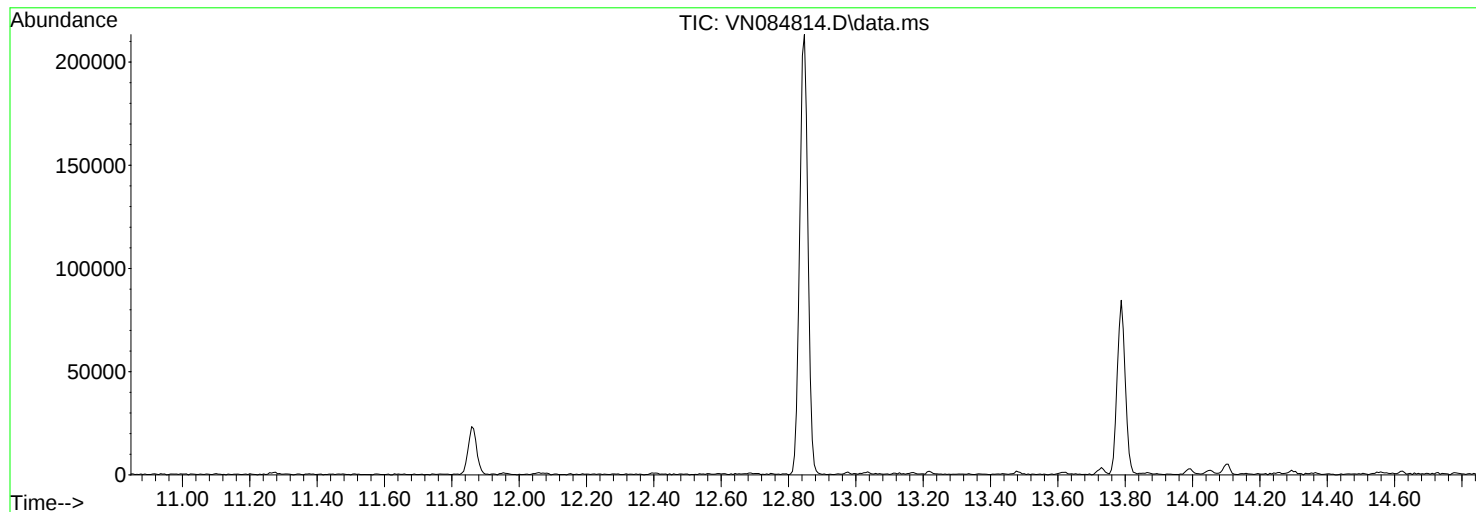
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	1425	127.95	137	171.90	630		
93.05	2181	129.85	168	172.80	130		
94.00	5300	130.80	51	174.00	33547		
95.10	45005	136.90	62	175.00	2426		
96.10	2982	140.90	349	176.00	32563		
103.85	286	141.10	125	177.00	2315		
105.95	215	142.95	833	281.20	122		
115.95	156	144.80	357				
117.00	425	147.90	54				
117.95	170	154.80	50				
118.80	308	171.10	55				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084814.D
Acq On : 13 Nov 2024 08:53
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	7103	PASS
75	95	30	60	50.4	20765	PASS
95	95	100	100	100.0	41195	PASS
96	95	5	9	6.3	2598	PASS
173	174	0.00	2	0.9	292	PASS
174	95	50	100	76.3	31419	PASS
175	174	5	9	7.5	2357	PASS
176	174	95	101	99.3	31208	PASS
177	176	5	9	6.6	2074	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	531	49.10	1649	64.00	393	76.95	248
37.05	1731	50.10	7103	65.10	427	77.20	115
38.10	1774	51.10	2022	68.05	3985	78.95	1539
39.05	763	55.10	61	69.05	3920	79.95	487
39.90	6	56.10	641	69.80	121	80.95	1758
44.00	58	57.00	1009	70.05	254	82.05	450
44.95	286	60.00	127	72.15	177	87.00	1523
46.90	445	60.15	250	73.10	1741	87.95	1510
47.30	144	61.05	2007	74.10	7173	91.05	153
47.90	65	62.05	1978	75.10	20765	92.05	1355
48.20	70	63.10	1784	76.10	1683	93.10	1921

Average of 12.841 to 12.853 min.: VN084814.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	5004	118.90	394	173.00	292		
95.10	41195	128.00	72	174.00	31419		
96.10	2598	130.00	53	175.05	2357		
97.10	55	140.90	496	176.00	31208		
103.70	80	142.85	768	176.95	2074		
103.90	150	144.85	194				
105.95	150	145.10	120				
115.90	53	155.00	125				
116.80	362	170.90	51				
117.70	55	171.10	74				
117.90	114	171.95	562				

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1112WBL01	SDG No.:	P4799
Lab Sample ID:	VN1112WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084791.D	1		11/12/24 13:13	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	45.9		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	8.218			
540-36-3	1,4-Difluorobenzene	307000	9.1			
3114-55-4	Chlorobenzene-d5	261000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084791.D
Acq On : 12 Nov 2024 13:13
Operator : JC\MD
Sample : VN1112WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

Quant Time: Nov 12 23:33:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	180518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118783	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124567	47.776	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.560%
35) Dibromofluoromethane	8.159	113	101733	48.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.980%
50) Toluene-d8	10.565	98	351300	45.921	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.840%
62) 4-Bromofluorobenzene	12.847	95	130816	45.754	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.500%

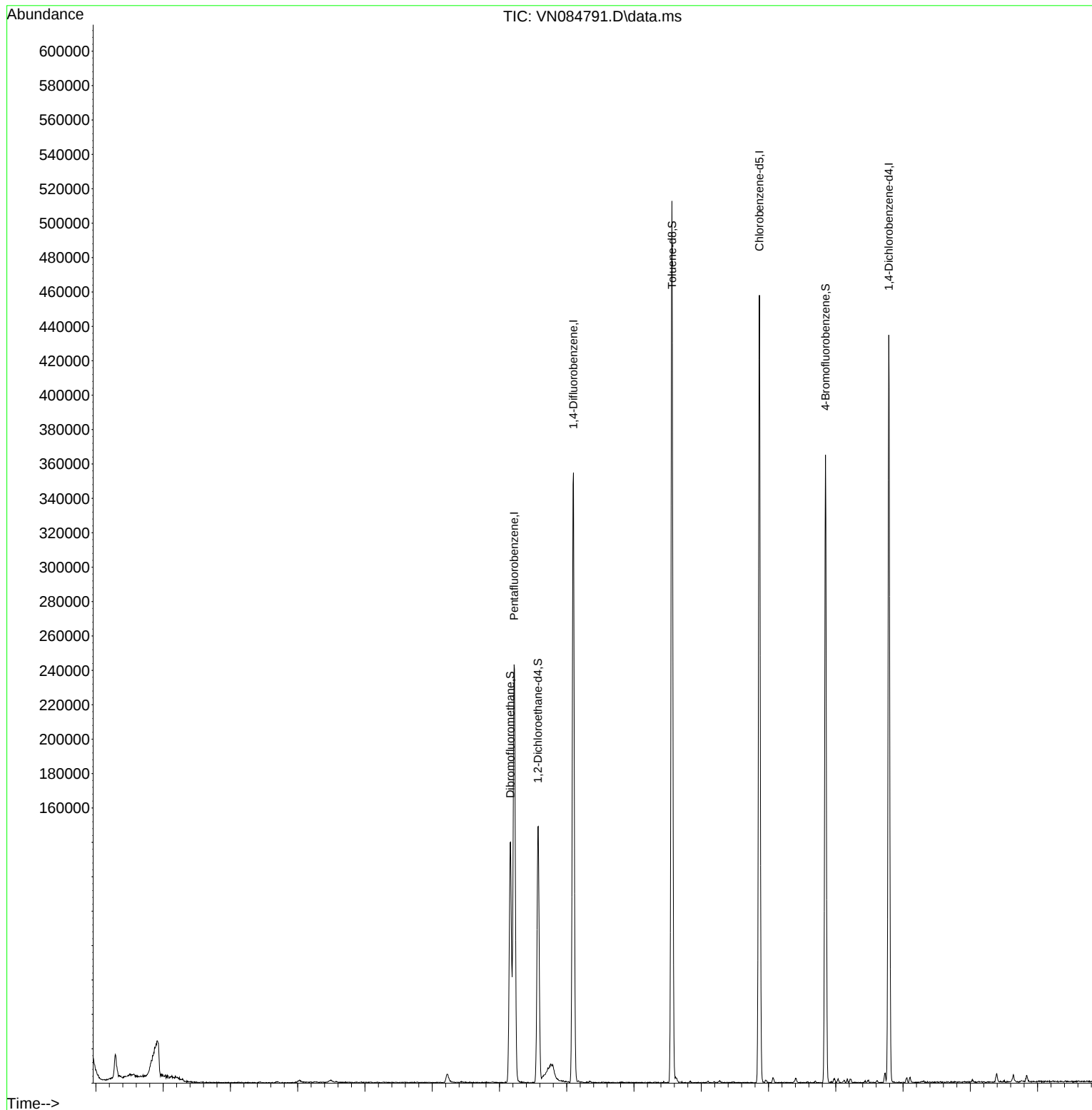
Target Compounds	Qvalue

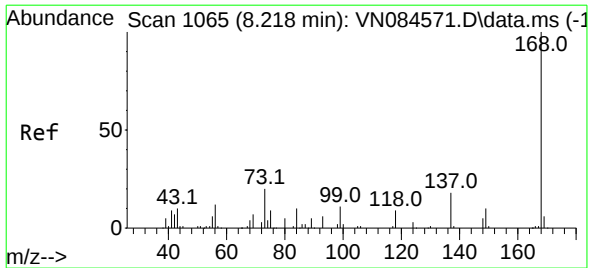
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084791.D
Acq On : 12 Nov 2024 13:13
Operator : JC\MD
Sample : VN1112WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

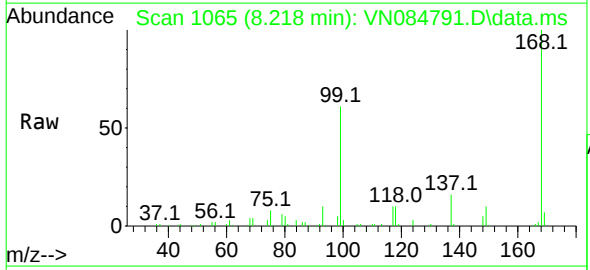
Quant Time: Nov 12 23:33:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



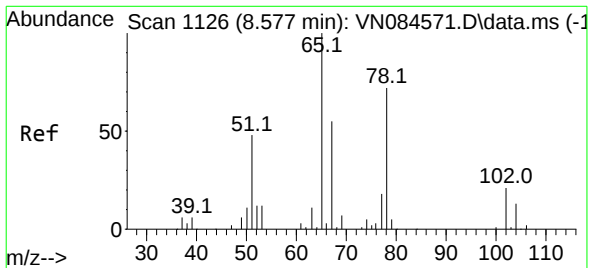
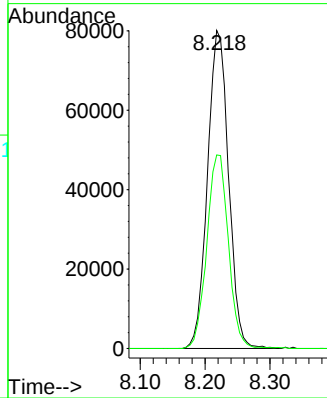
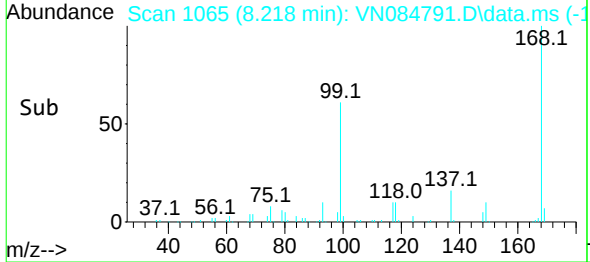


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084791.D
Acq: 12 Nov 2024 13:13

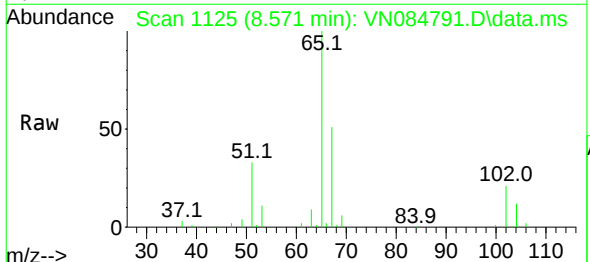
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01



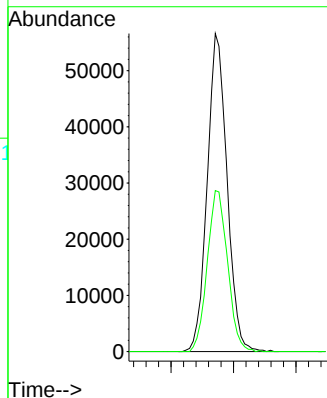
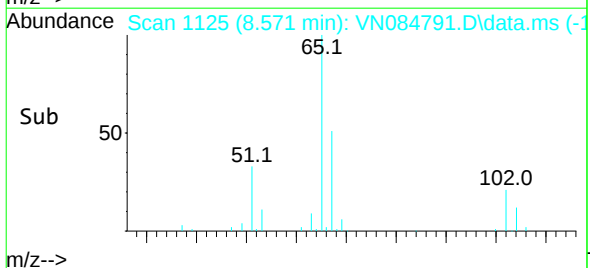
Tgt Ion:168 Resp: 180518
Ion Ratio Lower Upper
168 100
99 60.9 54.2 81.2

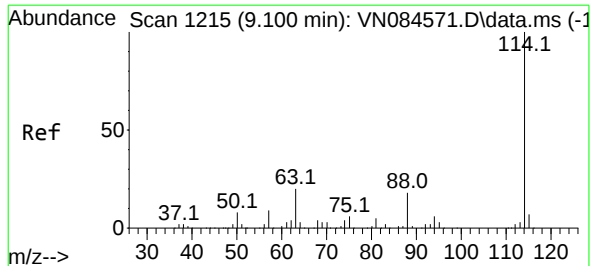


#33
1,2-Dichloroethane-d4
Concen: 47.776 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084791.D
Acq: 12 Nov 2024 13:13



Tgt Ion: 65 Resp: 124567
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084791.D

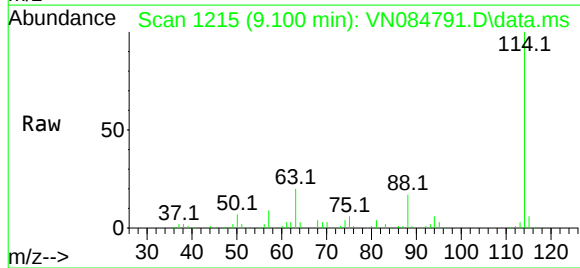
Acq: 12 Nov 2024 13:13

Instrument :

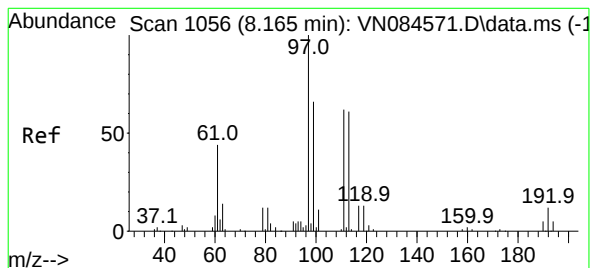
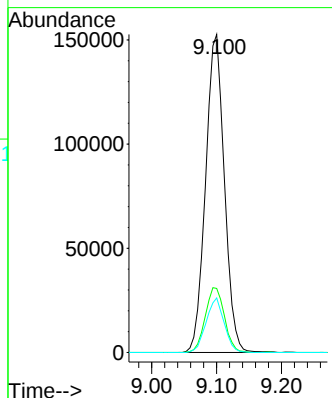
MSVOA_N

ClientSampleId :

VN1112WBL01



Tgt Ion:	114	Resp:	306816
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.8
88	17.1	0.0	31.6



#35

Dibromofluoromethane

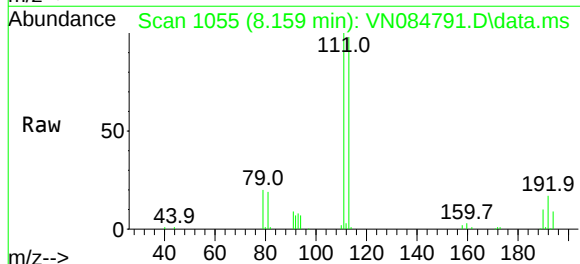
Concen: 48.986 ug/l

RT: 8.159 min Scan# 1055

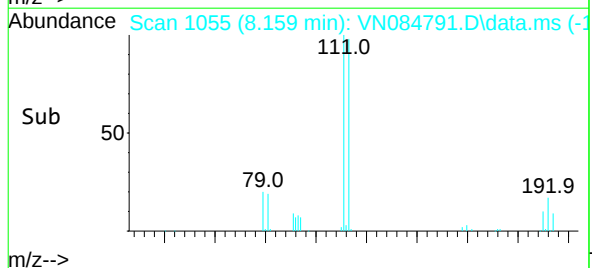
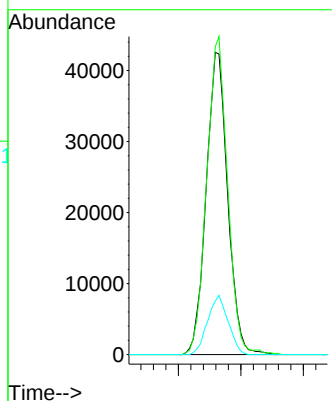
Delta R.T. -0.006 min

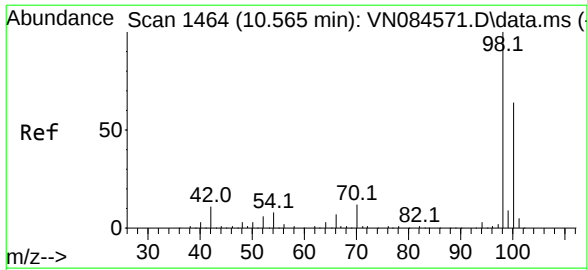
Lab File: VN084791.D

Acq: 12 Nov 2024 13:13



Tgt Ion:	113	Resp:	101733
Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.3	124.9
192	18.7	13.5	20.3





#50

Toluene-d8

Concen: 45.921 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084791.D

Acq: 12 Nov 2024 13:13

Instrument :

MSVOA_N

ClientSampleId :

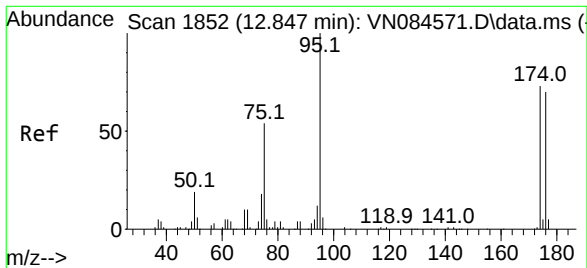
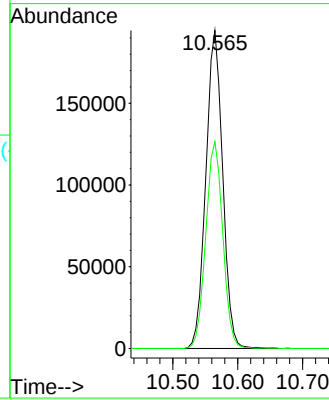
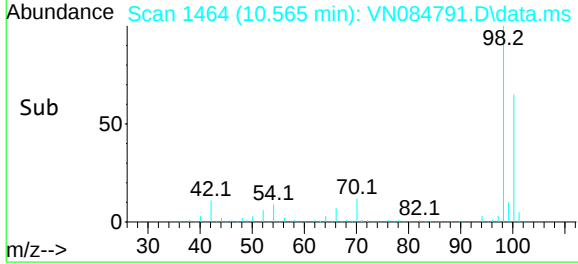
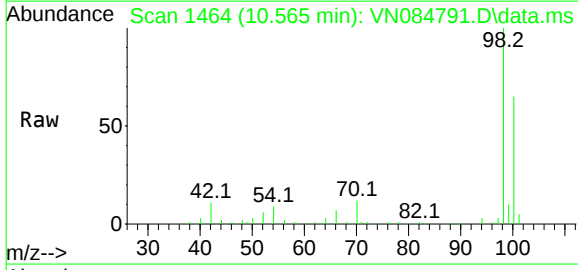
VN1112WBL01

Tgt Ion: 98 Resp: 351300

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.754 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084791.D

Acq: 12 Nov 2024 13:13

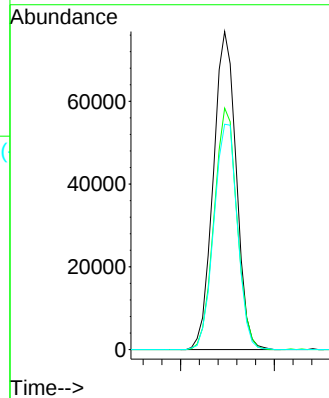
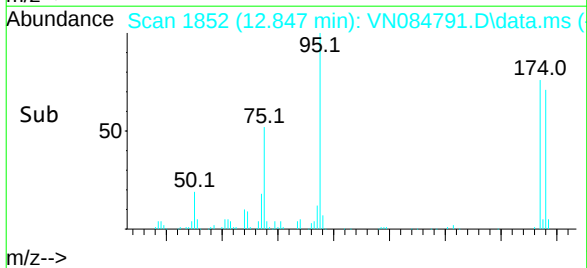
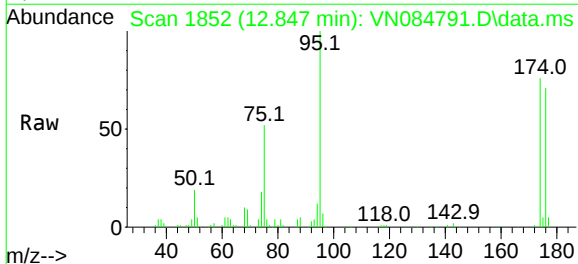
Tgt Ion: 95 Resp: 130816

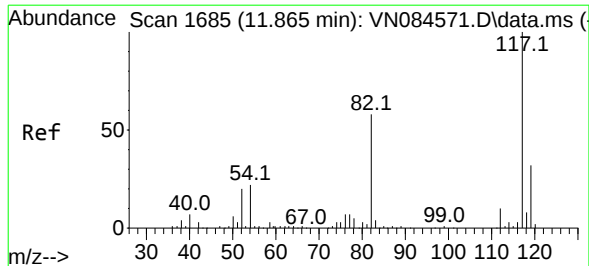
Ion Ratio Lower Upper

95 100

174 75.7 0.0 145.2

176 72.5 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN084791.D

Acq: 12 Nov 2024 13:13

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBL01

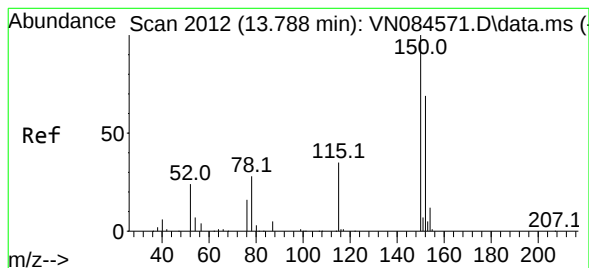
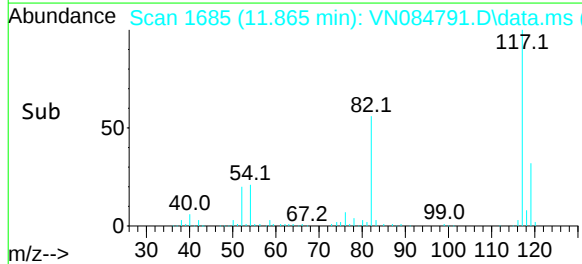
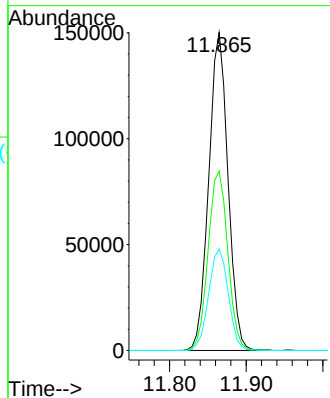
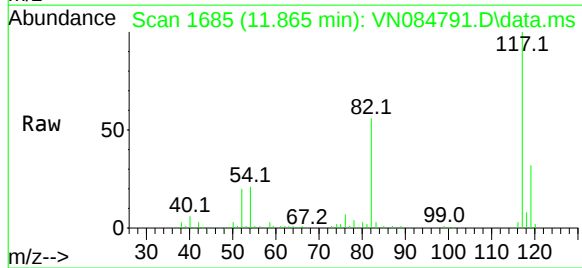
Tgt Ion:117 Resp: 261220

Ion Ratio Lower Upper

117 100

82 56.4 47.2 70.8

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084791.D

Acq: 12 Nov 2024 13:13

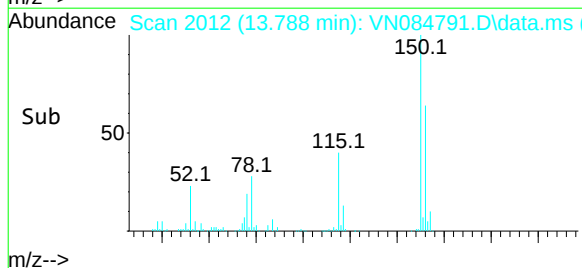
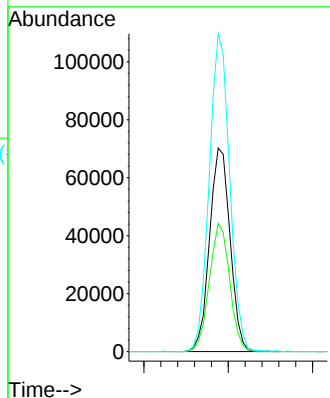
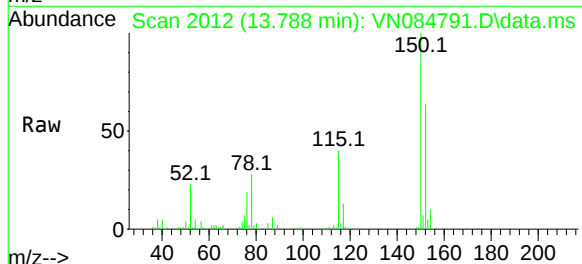
Tgt Ion:152 Resp: 118783

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.9

150 155.5 0.0 349.8



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN1113WBL01			SDG No.:	P4799
Lab Sample ID:	VN1113WBL01			Matrix:	TCLP
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	46.6		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	8.218			
540-36-3	1,4-Difluorobenzene	303000	9.094			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	177026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	303081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126582	49.507	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.020%	
35) Dibromofluoromethane	8.159	113	102487	49.957	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.920%	
50) Toluene-d8	10.565	98	352443	46.638	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	93.280%	
62) 4-Bromofluorobenzene	12.847	95	129442	45.831	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	91.660%	

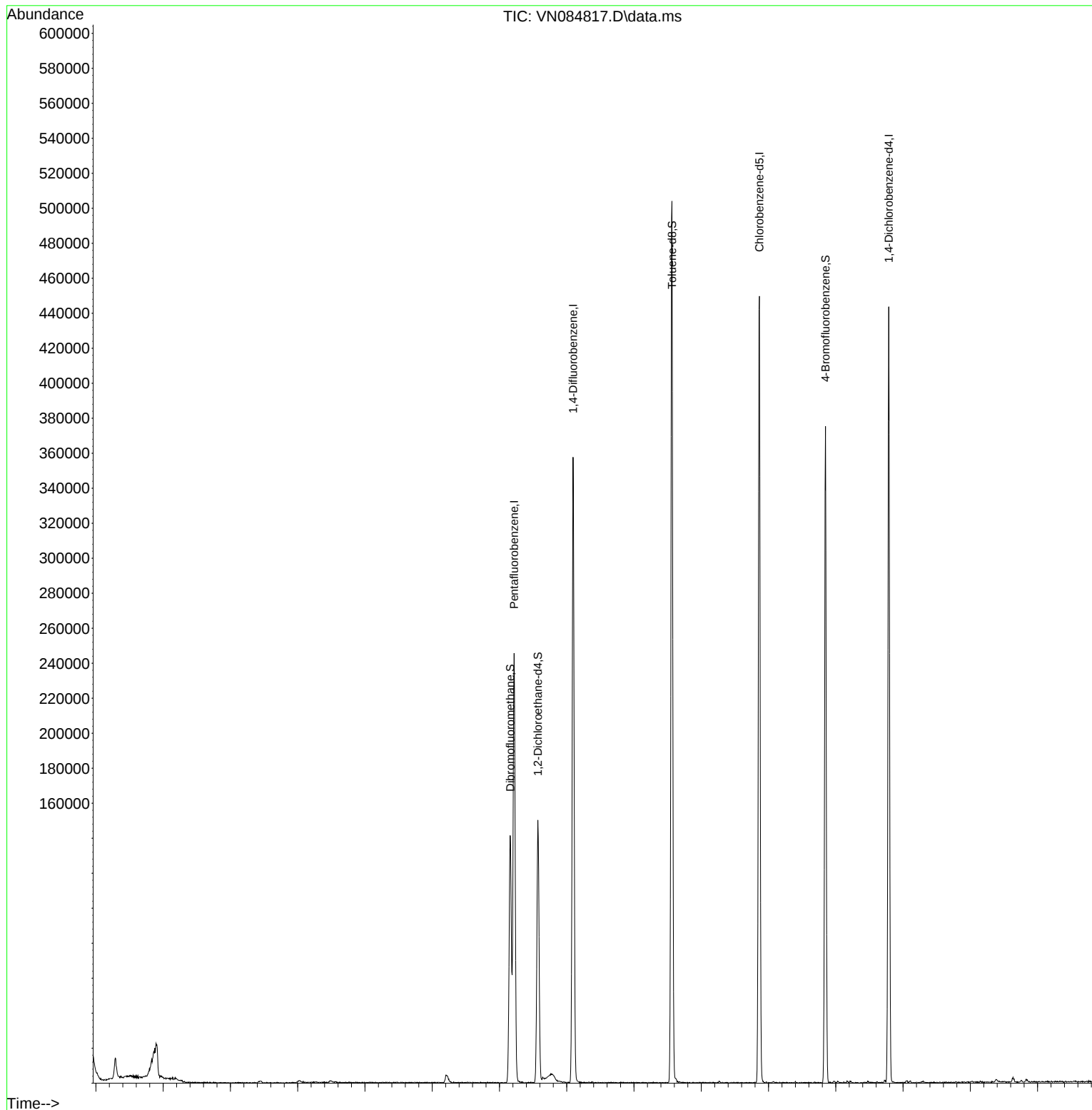
Target Compounds	Qvalue

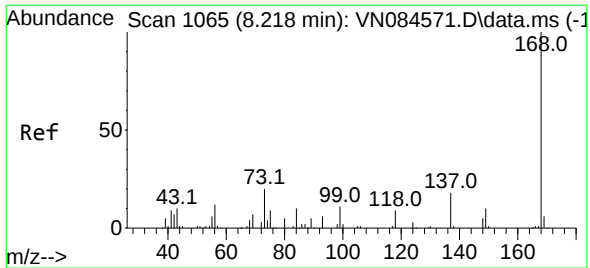
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

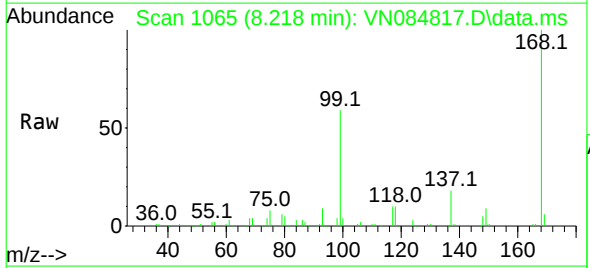
Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



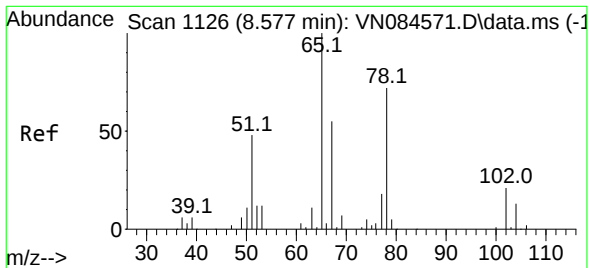
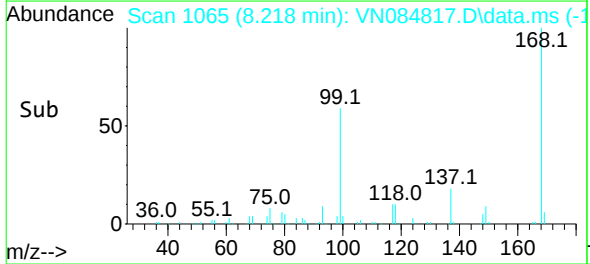
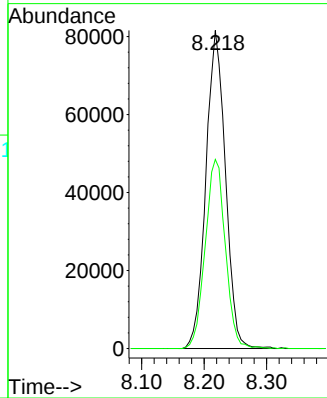


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

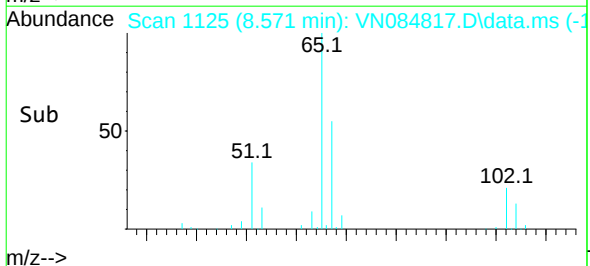
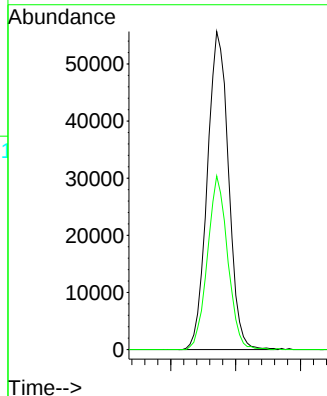
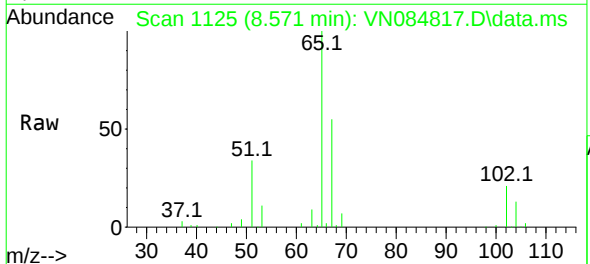


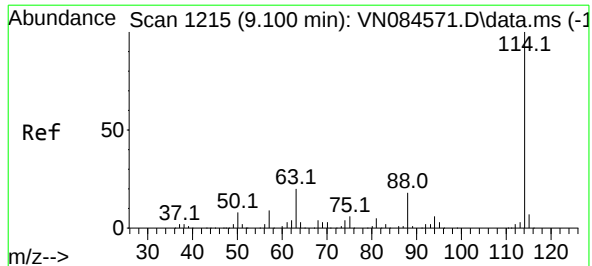
Tgt Ion:168 Resp: 177026
Ion Ratio Lower Upper
168 100
99 59.4 54.2 81.2



#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 65 Resp: 126582
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN084817.D

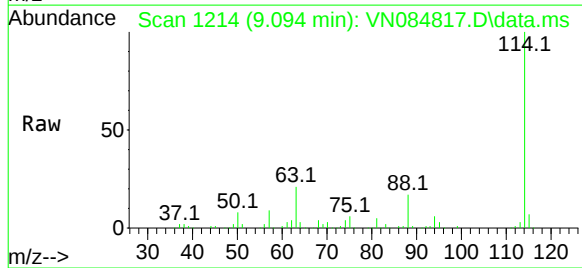
Acq: 13 Nov 2024 10:50

Instrument :

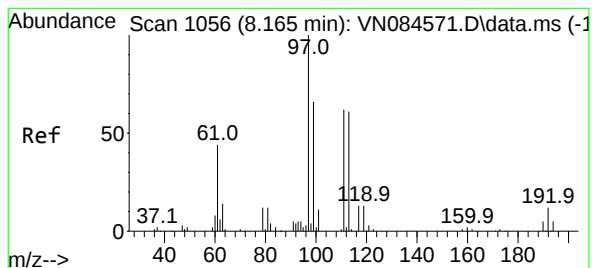
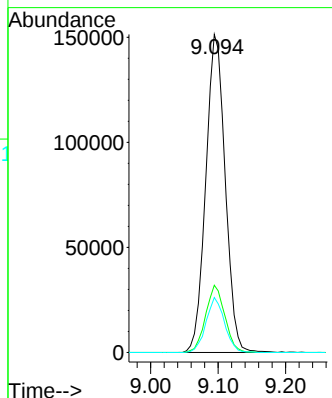
MSVOA_N

ClientSampleId :

VN1113WBL01



Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.8
88	17.3	0.0	31.6



#35

Dibromofluoromethane

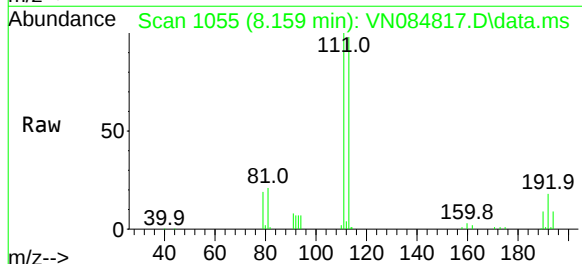
Concen: 49.957 ug/l

RT: 8.159 min Scan# 1055

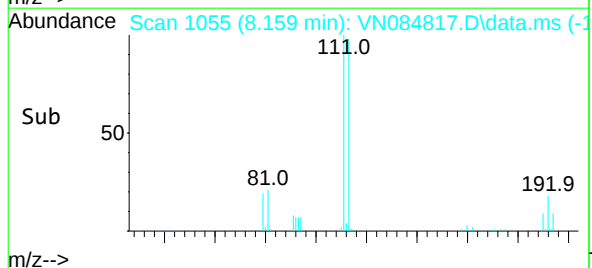
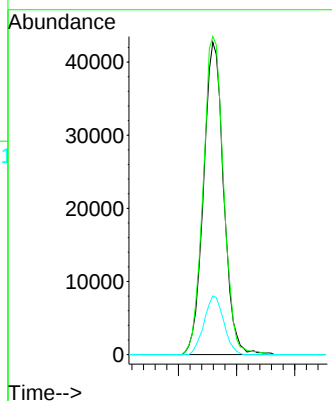
Delta R.T. -0.006 min

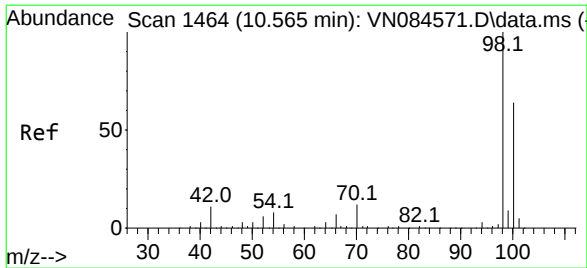
Lab File: VN084817.D

Acq: 13 Nov 2024 10:50



Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.4	13.5	20.3





#50

Toluene-d8

Concen: 46.638 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

Instrument :

MSVOA_N

ClientSampleId :

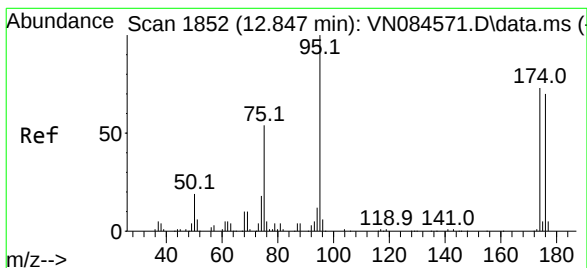
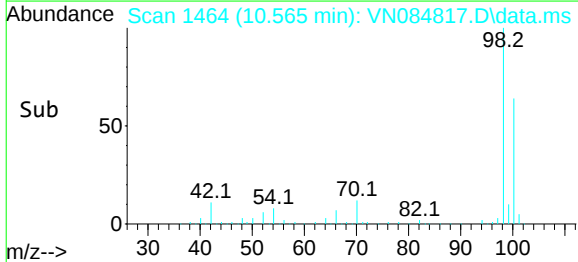
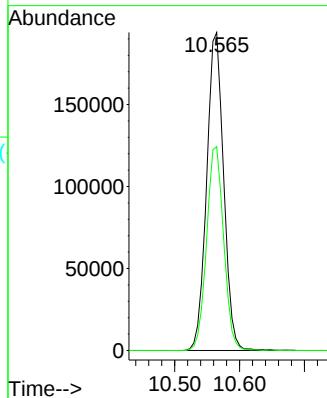
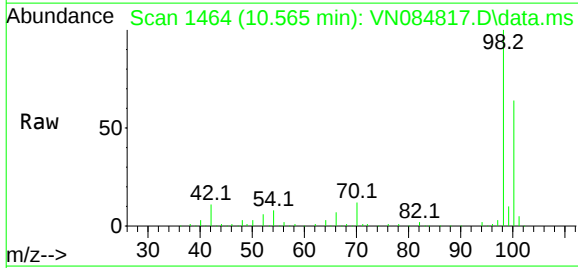
VN1113WBL01

Tgt Ion: 98 Resp: 352443

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 45.831 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

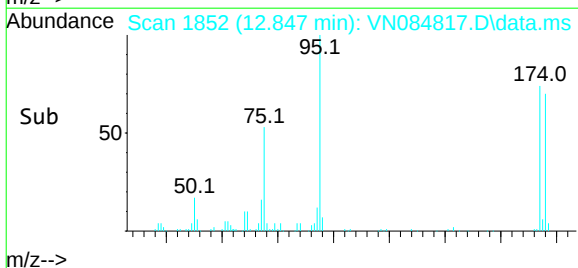
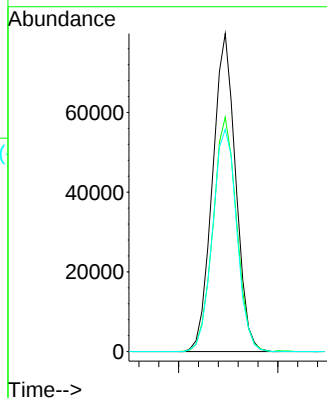
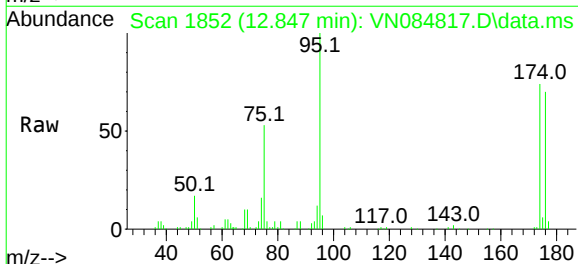
Tgt Ion: 95 Resp: 129442

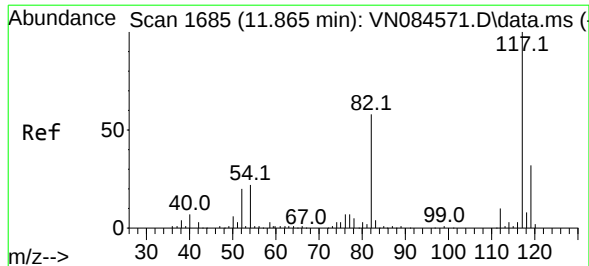
Ion Ratio Lower Upper

95 100

174 75.2 0.0 145.2

176 73.1 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

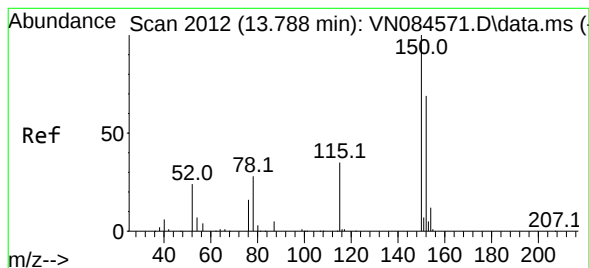
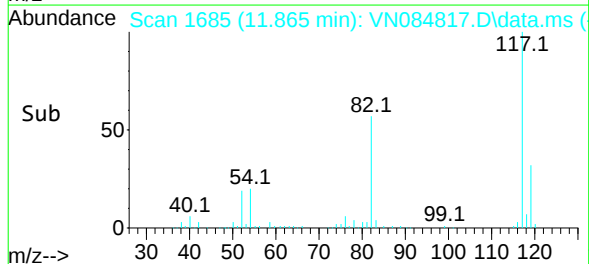
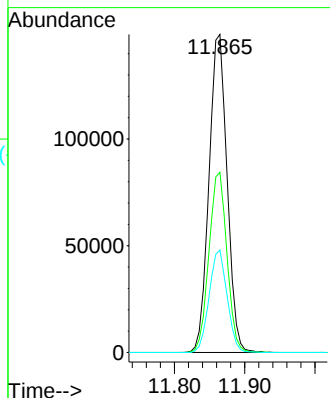
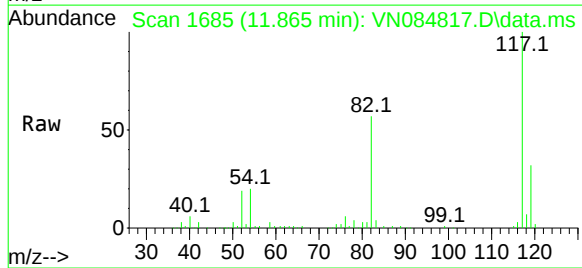
Tgt Ion:117 Resp: 266497

Ion Ratio Lower Upper

117 100

82 56.6 47.2 70.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084817.D

Acq: 13 Nov 2024 10:50

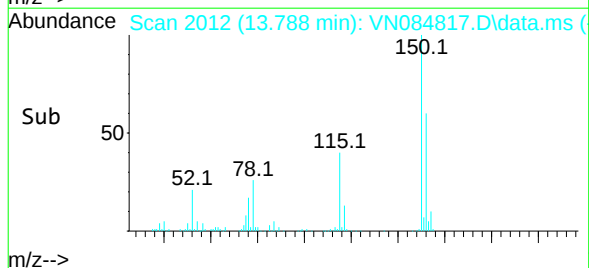
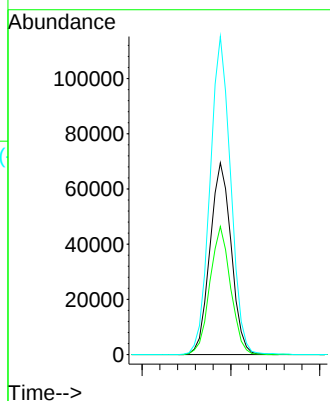
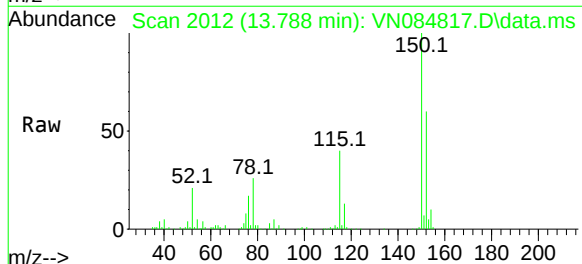
Tgt Ion:152 Resp: 115573

Ion Ratio Lower Upper

152 100

115 64.8 31.3 93.9

150 161.6 0.0 349.8



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1112WBS01	SDG No.:	P4799
Lab Sample ID:	VN1112WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084792.D	1		11/12/24 13:37	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.0		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.1		0.26	1.00	ug/L
78-93-3	2-Butanone	93.8		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
67-66-3	Chloroform	16.9		0.26	1.00	ug/L
71-43-2	Benzene	17.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	16.9		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.7		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		70 (74) - 130 (125)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.6		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	8.218			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084792.D
 Acq On : 12 Nov 2024 13:37
 Operator : JC\MD
 Sample : VN1112WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2024
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:34:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	181136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130240	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	118277	45.209	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.420%
35) Dibromofluoromethane	8.165	113	96663	47.818	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.640%
50) Toluene-d8	10.565	98	347147	46.619	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.240%
62) 4-Bromofluorobenzene	12.847	95	132633	47.659	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	34047	16.351	ug/l	98
3) Chloromethane	2.359	50	38302	13.854	ug/l	98
4) Vinyl Chloride	2.512	62	42577	19.011	ug/l	93
5) Bromomethane	2.900	94	20683	17.430	ug/l	97
6) Chloroethane	3.071	64	28875	19.991	ug/l	99
7) Trichlorofluoromethane	3.465	101	62942	17.061	ug/l	98
8) Diethyl Ether	3.953	74	22630	17.388	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	36204	17.367	ug/l	98
10) Methyl Iodide	4.577	142	50131	17.993	ug/l	92
11) Tert butyl alcohol	5.536	59	32716	94.737	ug/l	99
12) 1,1-Dichloroethene	4.324	96	33233	16.111	ug/l	99
13) Acrolein	4.177	56	30335	88.092	ug/l	95
14) Allyl chloride	5.012	41	55325	16.538	ug/l	92
15) Acrylonitrile	5.712	53	88804	88.828	ug/l	100
16) Acetone	4.424	43	73947	96.093	ug/l	99
17) Carbon Disulfide	4.700	76	96565	15.201	ug/l	99
18) Methyl Acetate	5.018	43	47262	14.268	ug/l	96
19) Methyl tert-butyl Ether	5.788	73	109998	17.398	ug/l	98
20) Methylene Chloride	5.265	84	38183	16.594	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	35165	16.602	ug/l	94
22) Diisopropyl ether	6.671	45	111600	16.789	ug/l	95
23) Vinyl Acetate	6.594	43	397735	86.767	ug/l	99
24) 1,1-Dichloroethane	6.559	63	66246	16.600	ug/l	96
25) 2-Butanone	7.482	43	114457	93.775	ug/l	94
26) 2,2-Dichloropropane	7.482	77	60426	17.397	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	40857	16.520	ug/l	98
28) Bromochloromethane	7.812	49	32540	20.466	ug/l	94
29) Tetrahydrofuran	7.841	42	74433	91.923	ug/l	93
30) Chloroform	7.965	83	68656	16.903	ug/l	99
31) Cyclohexane	8.253	56	59673	16.521	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	64869	17.546	ug/l	95
36) 1,1-Dichloropropene	8.365	75	47612	16.983	ug/l	100
37) Ethyl Acetate	7.553	43	46693	18.357	ug/l	95
38) Carbon Tetrachloride	8.359	117	56512	18.034	ug/l	93
39) Methylcyclohexane	9.600	83	51821	18.169	ug/l	94
40) Benzene	8.600	78	155171	17.235	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084792.D
 Acq On : 12 Nov 2024 13:37
 Operator : JC\MD
 Sample : VN1112WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2024
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:34:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	27305	19.962	ug/l	97
42) 1,2-Dichloroethane	8.665	62	51749	17.748	ug/l	99
43) Isopropyl Acetate	8.688	43	88409	18.200	ug/l	99
44) Trichloroethene	9.347	130	35090	16.899	ug/l	89
45) 1,2-Dichloropropane	9.618	63	36407	17.238	ug/l	98
46) Dibromomethane	9.706	93	26058	17.485	ug/l	94
47) Bromodichloromethane	9.882	83	53567	17.051	ug/l	99
48) Methyl methacrylate	9.676	41	36777	18.578	ug/l	97
49) 1,4-Dioxane	9.700	88	14350	409.061	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	236494	97.530	ug/l	99
52) Toluene	10.629	92	94840	18.011	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	54607	16.793	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	59710	17.349	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	35555	17.925	ug/l	98
56) Ethyl methacrylate	10.870	69	55092	19.202	ug/l	94
57) 1,3-Dichloropropane	11.159	76	62234	18.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	133814	99.673	ug/l	97
59) 2-Hexanone	11.194	43	176984	100.274	ug/l	97
60) Dibromochloromethane	11.353	129	42067	18.609	ug/l	99
61) 1,2-Dibromoethane	11.470	107	35316	17.387	ug/l	98
64) Tetrachloroethene	11.100	164	31725	18.634	ug/l	97
65) Chlorobenzene	11.888	112	101127	17.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	36875	18.513	ug/l	98
67) Ethyl Benzene	11.959	91	172222	18.018	ug/l	99
68) m/p-Xylenes	12.070	106	134736	37.233	ug/l	98
69) o-Xylene	12.394	106	63984	18.901	ug/l	99
70) Styrene	12.412	104	106017	17.953	ug/l	99
71) Bromoform	12.576	173	29212	19.491	ug/l #	100
73) Isopropylbenzene	12.694	105	163848	17.952	ug/l	100
74) N-ethyl acetate	12.494	43	67019	17.253	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	52627	17.275	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	48305m	18.554	ug/l	
77) Bromobenzene	12.976	156	40842	16.646	ug/l	95
78) n-propylbenzene	13.035	91	186130	17.403	ug/l	99
79) 2-Chlorotoluene	13.123	91	120033	17.176	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	141661	18.727	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18184	16.570	ug/l	96
82) 4-Chlorotoluene	13.217	91	122201	16.616	ug/l	98
83) tert-Butylbenzene	13.435	119	115068	18.380	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	140930	18.051	ug/l	99
85) sec-Butylbenzene	13.611	105	158771	17.953	ug/l	99
86) p-Isopropyltoluene	13.729	119	130739	18.026	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	74654	15.591	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	74512	16.229	ug/l	98
89) n-Butylbenzene	14.053	91	104724	15.436	ug/l	99
90) Hexachloroethane	14.329	117	26080	16.124	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	75309	16.367	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10483	16.986	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	37362	14.835	ug/l	97
94) Hexachlorobutadiene	15.500	225	17440	15.769	ug/l	99
95) Naphthalene	15.641	128	117446	15.580	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	35808	14.647	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084792.D
Acq On : 12 Nov 2024 13:37
Operator : JC\MD
Sample : VN1112WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/13/2024
Supervised By :Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:34:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

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

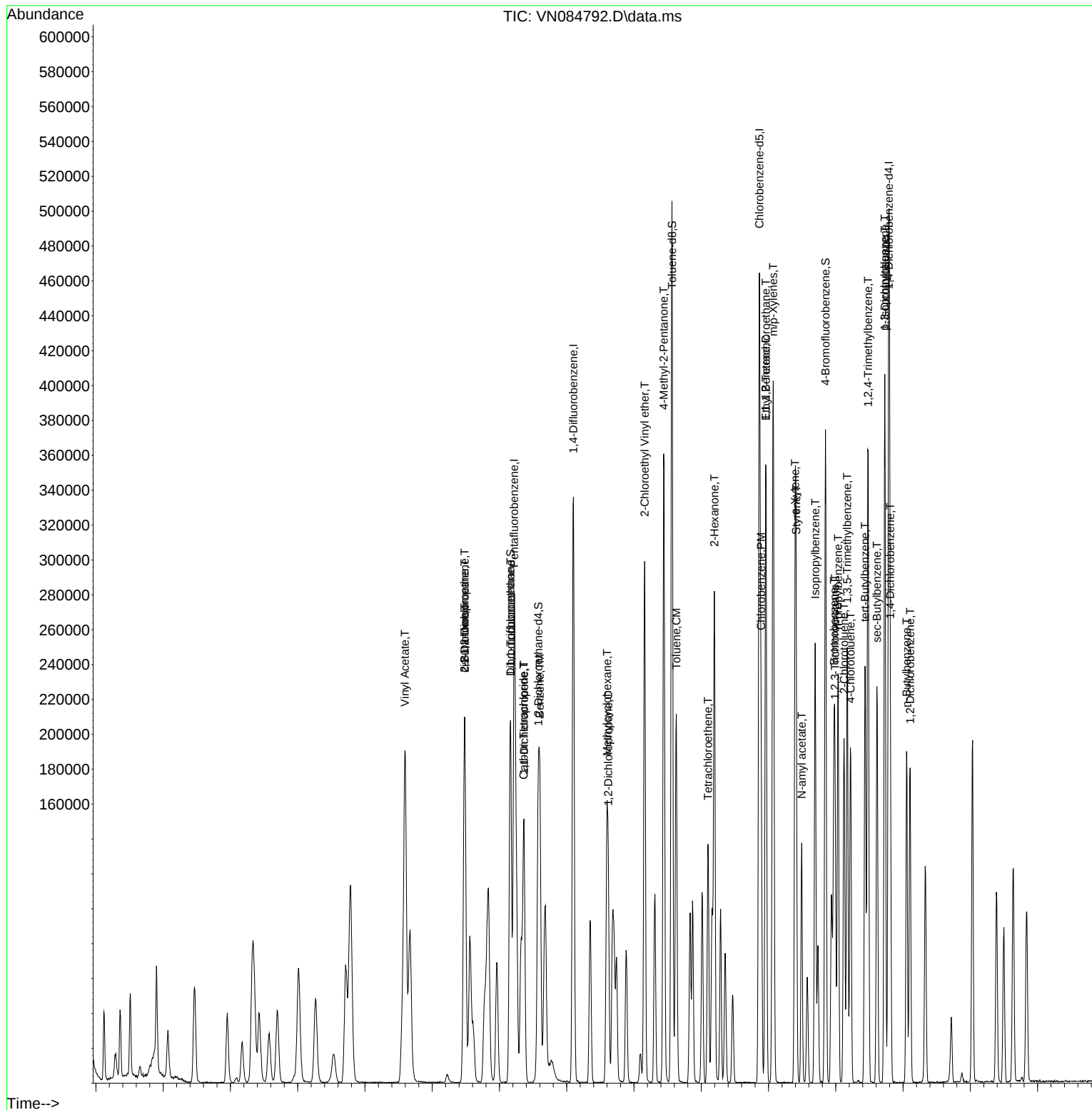
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\  
Data File : VN084792.D  
Acq On    : 12 Nov 2024 13:37  
Operator  : JC\MD  
Sample    : VN1112WBS01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 6 Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/13/2024
Supervised By :Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:34:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4799
Lab Sample ID:	VN1113WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.1		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
78-93-3	2-Butanone	91.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L
71-43-2	Benzene	18.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.224			
540-36-3	1,4-Difluorobenzene	311000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084822.D
 Acq On : 13 Nov 2024 13:24
 Operator : JC\MD
 Sample : VN1113WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2024
 Supervised By : Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:34:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	193540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141208	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129753	46.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.840%
35) Dibromofluoromethane	8.159	113	105080	49.889	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.780%
50) Toluene-d8	10.565	98	381724	49.199	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.400%
62) 4-Bromofluorobenzene	12.847	95	148571	51.237	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.480%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	39364	17.693	ug/l	95
3) Chloromethane	2.359	50	43828	15.025	ug/l	91
4) Vinyl Chloride	2.512	62	48169	20.129	ug/l	98
5) Bromomethane	2.900	94	24860	19.607	ug/l	93
6) Chloroethane	3.077	64	32217	20.939	ug/l	98
7) Trichlorofluoromethane	3.471	101	72161	18.306	ug/l	95
8) Diethyl Ether	3.959	74	24999	17.978	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	40961	18.389	ug/l	97
10) Methyl Iodide	4.577	142	57021	19.154	ug/l	96
11) Tert butyl alcohol	5.536	59	32498	88.075	ug/l	98
12) 1,1-Dichloroethene	4.324	96	38523	17.479	ug/l	95
13) Acrolein	4.177	56	24726	67.202	ug/l	97
14) Allyl chloride	5.006	41	60587	16.950	ug/l	95
15) Acrylonitrile	5.712	53	93960	87.962	ug/l	99
16) Acetone	4.424	43	73980	89.791	ug/l	97
17) Carbon Disulfide	4.700	76	105663	15.568	ug/l	99
18) Methyl Acetate	5.018	43	47918	13.317	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	126925	18.789	ug/l	98
20) Methylene Chloride	5.265	84	43005	17.492	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	39652	17.521	ug/l	93
22) Diisopropyl ether	6.665	45	128933	18.154	ug/l	97
23) Vinyl Acetate	6.594	43	446876	91.240	ug/l	97
24) 1,1-Dichloroethane	6.559	63	76582	17.960	ug/l	98
25) 2-Butanone	7.482	43	119443	91.588	ug/l	98
26) 2,2-Dichloropropane	7.482	77	70733	19.059	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	48386	18.310	ug/l	95
28) Bromochloromethane	7.806	49	35458	20.872	ug/l	91
29) Tetrahydrofuran	7.835	42	75701	87.497	ug/l	93
30) Chloroform	7.959	83	82200	18.940	ug/l	97
31) Cyclohexane	8.253	56	69909	18.114	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	74581	18.880	ug/l	93
36) 1,1-Dichloropropene	8.365	75	54366	18.611	ug/l	99
37) Ethyl Acetate	7.553	43	48588	18.333	ug/l	96
38) Carbon Tetrachloride	8.359	117	65648	20.106	ug/l	98
39) Methylcyclohexane	9.594	83	58774	19.778	ug/l	96
40) Benzene	8.600	78	173125	18.455	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
 Data File : VN084822.D
 Acq On : 13 Nov 2024 13:24
 Operator : JC\MD
 Sample : VN1113WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2024
 Supervised By :Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:34:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	27711	19.443	ug/l	95
42) 1,2-Dichloroethane	8.665	62	57874	19.049	ug/l	97
43) Isopropyl Acetate	8.688	43	89635	17.683	ug/l	98
44) Trichloroethene	9.347	130	41511	19.187	ug/l	100
45) 1,2-Dichloropropane	9.618	63	42580	19.349	ug/l	98
46) Dibromomethane	9.706	93	30054	19.354	ug/l	97
47) Bromodichloromethane	9.888	83	63262	19.327	ug/l	98
48) Methyl methacrylate	9.676	41	39540	19.169	ug/l	96
49) 1,4-Dioxane	9.694	88	14415	394.372	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	247640	98.015	ug/l	98
52) Toluene	10.623	92	109501	19.958	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	61529	18.160	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	68866	19.204	ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	40197	19.450	ug/l	96
56) Ethyl methacrylate	10.870	69	61538	20.585	ug/l	95
57) 1,3-Dichloropropane	11.159	76	67289	18.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	134289	96.000	ug/l	96
59) 2-Hexanone	11.194	43	182633	99.309	ug/l	96
60) Dibromochloromethane	11.359	129	46127	19.583	ug/l	96
61) 1,2-Dibromoethane	11.465	107	40349	19.065	ug/l	100
64) Tetrachloroethene	11.100	164	37374	20.563	ug/l	94
65) Chlorobenzene	11.888	112	115499	18.894	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	41953	19.730	ug/l	98
67) Ethyl Benzene	11.959	91	201230	19.721	ug/l	98
68) m/p-Xylenes	12.070	106	154238	39.926	ug/l	99
69) o-Xylene	12.394	106	75575	20.913	ug/l	97
70) Styrene	12.412	104	125083	19.841	ug/l	99
71) Bromoform	12.576	173	31240	19.525	ug/l #	98
73) Isopropylbenzene	12.694	105	189264	19.126	ug/l	100
74) N-amyl acetate	12.494	43	75052	17.820	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	57951	17.545	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	52213m	18.498	ug/l	
77) Bromobenzene	12.976	156	47085	17.700	ug/l	94
78) n-propylbenzene	13.035	91	218271	18.823	ug/l	98
79) 2-Chlorotoluene	13.123	91	142466	18.803	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	165135	20.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	19701	16.558	ug/l	88
82) 4-Chlorotoluene	13.217	91	139683	17.518	ug/l	99
83) tert-Butylbenzene	13.435	119	137464	20.252	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	168056	19.853	ug/l	99
85) sec-Butylbenzene	13.611	105	186571	19.458	ug/l	99
86) p-Isopropyltoluene	13.729	119	159085	20.231	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	87544	16.863	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	91273	18.459	ug/l	95
89) n-Butylbenzene	14.053	91	133782	18.188	ug/l	99
90) Hexachloroethane	14.329	117	30179	17.209	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	88621	17.764	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	10832	16.188	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	43935	16.090	ug/l	99
94) Hexachlorobutadiene	15.500	225	20801	17.347	ug/l	98
95) Naphthalene	15.635	128	134429	16.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	41536	15.670	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

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

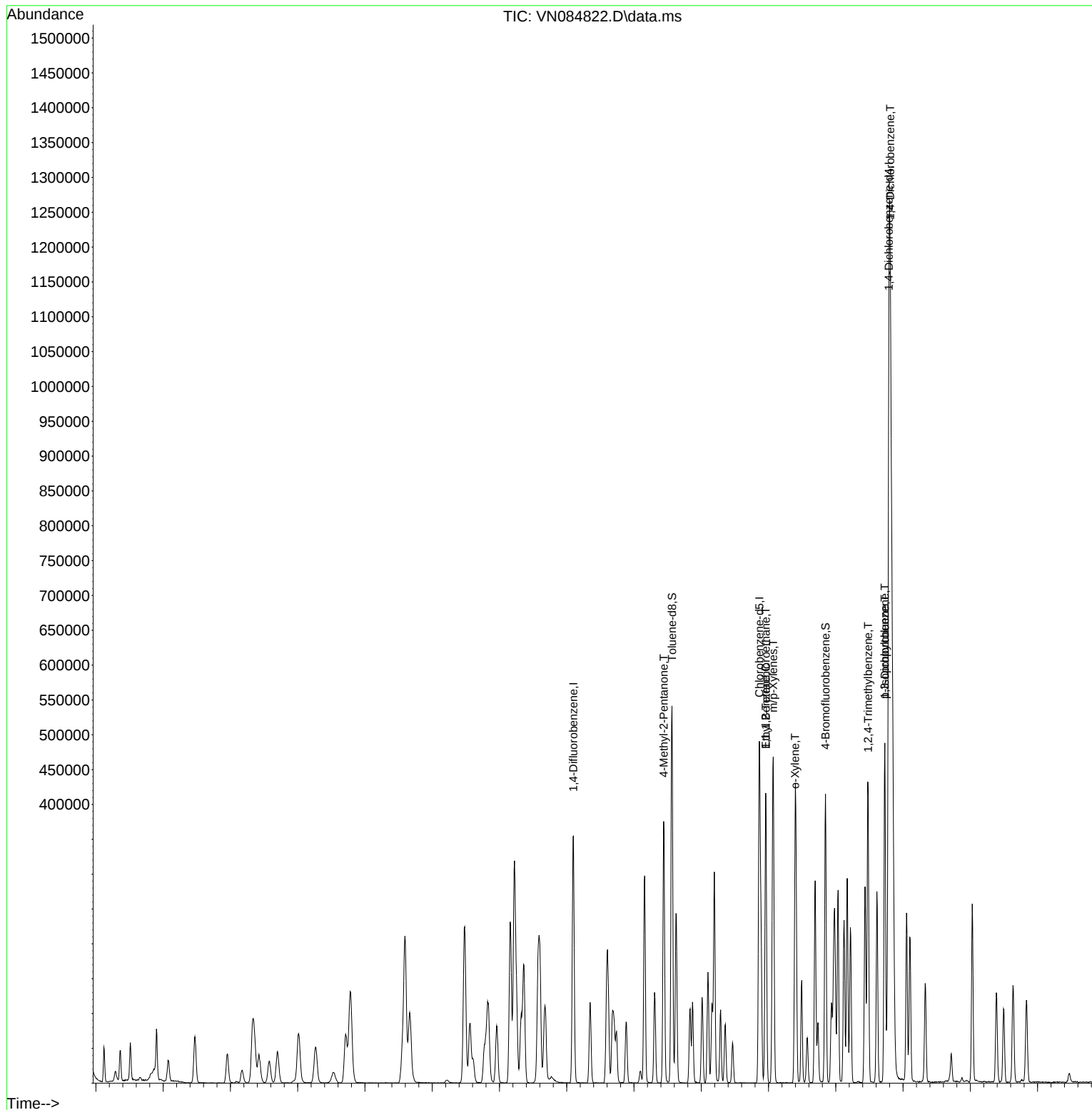
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/14/2024
Supervised By : Mahesh Dadoda 11/14/2024

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1112WBSD01	SDG No.:	P4799
Lab Sample ID:	VN1112WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084797.D	1		11/12/24 15:37	VN111224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.3		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.26	1.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.7		0.25	1.00	ug/L
67-66-3	Chloroform	20.0		0.26	1.00	ug/L
71-43-2	Benzene	19.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.1		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	8.224			
540-36-3	1,4-Difluorobenzene	279000	9.1			
3114-55-4	Chlorobenzene-d5	250000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084797.D
 Acq On : 12 Nov 2024 15:37
 Operator : JC\MD
 Sample : VN1112WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2024
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:37:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	169278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117775	48.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.340%
35) Dibromofluoromethane	8.165	113	94116	49.776	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.560%
50) Toluene-d8	10.565	98	344377	49.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.847	95	136928	52.602	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35944	18.471	ug/l	95
3) Chloromethane	2.359	50	41017	16.262	ug/l	98
4) Vinyl Chloride	2.512	62	44488	21.255	ug/l	100
5) Bromomethane	2.901	94	22899	20.649	ug/l	93
6) Chloroethane	3.077	64	29694	22.142	ug/l	98
7) Trichlorofluoromethane	3.471	101	72473	21.020	ug/l	99
8) Diethyl Ether	3.953	74	22988	18.901	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	37478	19.237	ug/l	98
10) Methyl Iodide	4.583	142	53873	20.691	ug/l	97
11) Tert butyl alcohol	5.530	59	34873	108.058	ug/l	97
12) 1,1-Dichloroethene	4.324	96	35290	18.307	ug/l	97
13) Acrolein	4.171	56	28202	87.635	ug/l	98
14) Allyl chloride	5.012	41	58786	18.804	ug/l	91
15) Acrylonitrile	5.718	53	98554	105.487	ug/l	98
16) Acetone	4.424	43	82285	114.969	ug/l	99
17) Carbon Disulfide	4.700	76	102189	17.214	ug/l	100
18) Methyl Acetate	5.018	43	50275	16.840	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	119023	20.144	ug/l	99
20) Methylene Chloride	5.271	84	40525	18.846	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	36893	18.638	ug/l	95
22) Diisopropyl ether	6.671	45	120796	19.446	ug/l	99
23) Vinyl Acetate	6.600	43	427591	99.815	ug/l	97
24) 1,1-Dichloroethane	6.565	63	71566	19.189	ug/l	98
25) 2-Butanone	7.483	43	124526	109.171	ug/l	95
26) 2,2-Dichloropropane	7.483	77	65426	20.156	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	44133	19.094	ug/l	96
28) Bromochloromethane	7.812	49	31707	21.339	ug/l	89
29) Tetrahydrofuran	7.836	42	81869	108.189	ug/l	96
30) Chloroform	7.965	83	75961	20.011	ug/l	98
31) Cyclohexane	8.253	56	64913	19.231	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	70295	20.346	ug/l	96
36) 1,1-Dichloropropene	8.365	75	50382	19.213	ug/l	99
37) Ethyl Acetate	7.559	43	53094	22.316	ug/l	98
38) Carbon Tetrachloride	8.359	117	60720	20.716	ug/l	93
39) Methylcyclohexane	9.594	83	54071	20.268	ug/l	99
40) Benzene	8.600	78	164915	19.583	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084797.D
 Acq On : 12 Nov 2024 15:37
 Operator : JC\MD
 Sample : VN1112WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/13/2024
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:37:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28796	22.507	ug/l	98
42) 1,2-Dichloroethane	8.665	62	55820	20.467	ug/l	99
43) Isopropyl Acetate	8.688	43	93654	20.742	ug/l	98
44) Trichloroethene	9.353	130	38236	19.687	ug/l	95
45) 1,2-Dichloropropane	9.618	63	38616	19.547	ug/l	97
46) Dibromomethane	9.706	93	28569	20.494	ug/l	95
47) Bromodichloromethane	9.882	83	57768	19.659	ug/l #	98
48) Methyl methacrylate	9.682	41	40210	21.715	ug/l	94
49) 1,4-Dioxane	9.694	88	15379	468.689	ug/l #	82
51) 4-Methyl-2-Pentanone	10.441	43	264661	116.688	ug/l	98
52) Toluene	10.624	92	102472	20.805	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	57687	18.966	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	62792	19.505	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	38046	20.507	ug/l	97
56) Ethyl methacrylate	10.871	69	61815	23.034	ug/l	94
57) 1,3-Dichloropropane	11.159	76	66060	20.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	114249	90.980	ug/l	96
59) 2-Hexanone	11.194	43	194665	117.913	ug/l	96
60) Dibromochloromethane	11.353	129	45261	21.405	ug/l	100
61) 1,2-Dibromoethane	11.465	107	39150	20.606	ug/l	100
64) Tetrachloroethene	11.100	164	33791	20.282	ug/l	97
65) Chlorobenzene	11.888	112	107051	19.104	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	39332	20.180	ug/l	99
67) Ethyl Benzene	11.959	91	181450	19.399	ug/l	99
68) m/p-Xylenes	12.071	106	145196	41.003	ug/l	98
69) o-Xylene	12.394	106	69840	21.083	ug/l	99
70) Styrene	12.412	104	115729	20.027	ug/l	100
71) Bromoform	12.576	173	31085	21.195	ug/l #	98
73) Isopropylbenzene	12.694	105	176493	19.186	ug/l	100
74) N-amyl acetate	12.494	43	74500	19.028	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	58670	19.108	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	53347m	20.330	ug/l	
77) Bromobenzene	12.976	156	44997	18.196	ug/l	93
78) n-propylbenzene	13.035	91	204024	18.927	ug/l	99
79) 2-Chlorotoluene	13.123	91	131606	18.685	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	155475	20.392	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	20007	18.089	ug/l	92
82) 4-Chlorotoluene	13.218	91	129910	17.526	ug/l	98
83) tert-Butylbenzene	13.435	119	126299	20.016	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	156103	19.838	ug/l	99
85) sec-Butylbenzene	13.612	105	173100	19.420	ug/l	100
86) p-Isopropyltoluene	13.729	119	145615	19.920	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	79556	16.484	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	81234	17.631	ug/l	100
89) n-Butylbenzene	14.053	91	115574	16.902	ug/l	98
90) Hexachloroethane	14.329	117	28679	17.592	ug/l	92
91) 1,2-Dichlorobenzene	14.100	146	82867	17.868	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12056	19.381	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	39642	15.617	ug/l	100
94) Hexachlorobutadiene	15.500	225	19281	17.297	ug/l	96
95) Naphthalene	15.641	128	125893	16.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	39999	16.233	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084797.D
Acq On : 12 Nov 2024 15:37
Operator : JC\MD
Sample : VN1112WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/13/2024
Supervised By :Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

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

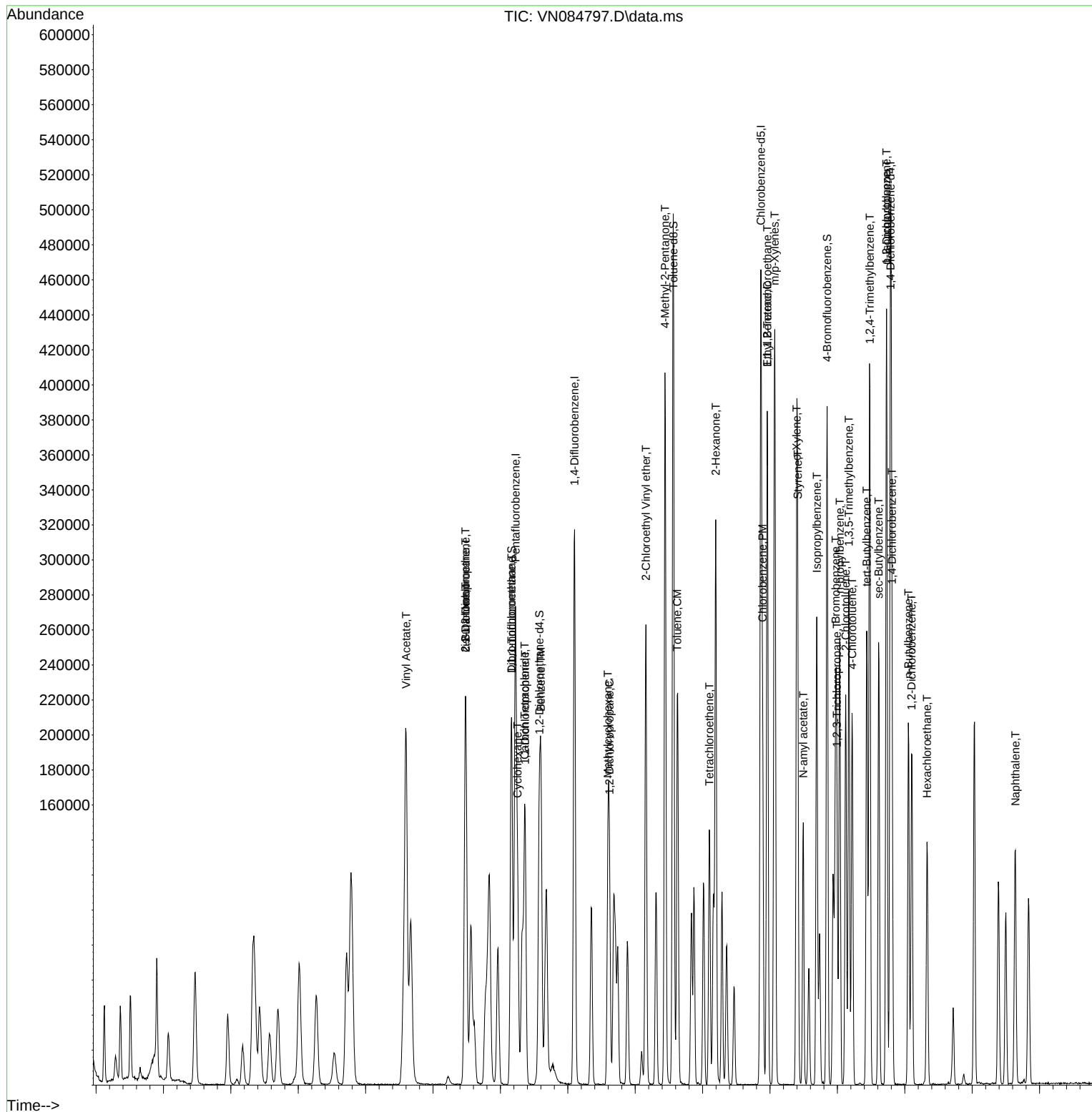
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
Data File : VN084797.D
Acq On : 12 Nov 2024 15:37
Operator : JC\MD
Sample : VN1112WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/13/2024
Supervised By :Mahesh Dadoda 11/13/2024

Quant Time: Nov 12 23:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-butene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vn103024

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VN111224	Instrument	MSVOA_n
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084789.D	1,2,3-Trichloropropane	JOHN	11/13/2024 9:54:11 AM	MMDadoda	11/13/2024 2:48:53 PM	Peak Integrated by Software
VSTDCCC050	VN084789.D	trans-1,4-Dichloro-2-but ene	JOHN	11/13/2024 9:54:11 AM	MMDadoda	11/13/2024 2:48:53 PM	Peak Integrated by Software
VN1112WBS01	VN084792.D	1,2,3-Trichloropropane	JOHN	11/13/2024 9:54:15 AM	MMDadoda	11/13/2024 2:48:59 PM	Peak Integrated by Software
VN1112WBSD0 1	VN084797.D	1,2,3-Trichloropropane	JOHN	11/13/2024 9:54:20 AM	MMDadoda	11/13/2024 2:49:01 PM	Peak Integrated by Software
VSTDCCC050	VN084813.D	1,2,3-Trichloropropane	JOHN	11/13/2024 9:55:07 AM	MMDadoda	11/13/2024 2:49:03 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN111324

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084815.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:19 AM	MMDadoda	11/14/2024 3:18:30 PM	Peak Integrated by Software
VN1113WBS01	VN084822.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:28 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VSTDCCC050	VN084840.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:38 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Maresh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP131194.VP131195			
Initial Calibration Stds		VP131185,VP131186,VP131187,VP131188,VP131189,VP131190			
CCC		VP131191,VP131192			
Internal Standard/PEM		VP128298			
ICV/I.BLK		VP131193			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Maresh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP131194.VP131195			
Initial Calibration Stds		VP131185,VP131186,VP131187,VP131188,VP131189,VP131190			
CCC		VP131191,VP131192			
Internal Standard/PEM		VP128298			
ICV/I.BLK		VP131193			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN111224

Review By	John Carlone	Review On	11/13/2024 10:19:33 AM
Supervise By	Maresh Dadoda	Supervise On	11/13/2024 2:49:08 PM
SubDirectory	VN111224	HP Acquire Method	HP Processing Method 82N103024W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131405		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131406,VP131407		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084788.D	12 Nov 2024 10:19	JC\MD	Ok
2	VSTDCCC050	VN084789.D	12 Nov 2024 12:25	JC\MD	Ok,M
3	VN1112MBL01	VN084790.D	12 Nov 2024 12:49	JC\MD	Ok
4	VN1112WBL01	VN084791.D	12 Nov 2024 13:13	JC\MD	Ok
5	VN1112WBS01	VN084792.D	12 Nov 2024 13:37	JC\MD	Ok,M
6	PB164761TB	VN084793.D	12 Nov 2024 14:01	JC\MD	Ok
7	P4722-05	VN084794.D	12 Nov 2024 14:25	JC\MD	ReRun
8	P4722-10	VN084795.D	12 Nov 2024 14:49	JC\MD	ReRun
9	P4722-15	VN084796.D	12 Nov 2024 15:13	JC\MD	ReRun
10	VN1112WBSD01	VN084797.D	12 Nov 2024 15:37	JC\MD	Ok,M
11	PB164881TB	VN084798.D	12 Nov 2024 16:01	JC\MD	Ok
12	P4799-01	VN084799.D	12 Nov 2024 16:25	JC\MD	Ok
13	P4799-05	VN084800.D	12 Nov 2024 16:49	JC\MD	Ok
14	P4799-09	VN084801.D	12 Nov 2024 17:13	JC\MD	Ok
15	P4799-13	VN084802.D	12 Nov 2024 17:38	JC\MD	Ok
16	P4799-17	VN084803.D	12 Nov 2024 18:02	JC\MD	ReRun
17	P4807-04	VN084804.D	12 Nov 2024 18:26	JC\MD	Ok
18	P4807-08	VN084805.D	12 Nov 2024 18:50	JC\MD	Ok
19	P4807-12	VN084806.D	12 Nov 2024 19:14	JC\MD	Ok
20	P4807-16	VN084807.D	12 Nov 2024 19:38	JC\MD	Ok
21	P4809-04	VN084808.D	12 Nov 2024 20:02	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN111224

Review By	John Carlone	Review On	11/13/2024 10:19:33 AM
Supervise By	Mahesh Dadoda	Supervise On	11/13/2024 2:49:08 PM
SubDirectory	VN111224	HP Acquire Method	HP Processing Method 82N103024W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131405		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131406,VP131407		

22	P4780-01	VN084809.D	12 Nov 2024 20:26	JC\MD	ReRun
23	P4780-02	VN084810.D	12 Nov 2024 20:50	JC\MD	ReRun
24	P4780-03	VN084811.D	12 Nov 2024 21:14	JC\MD	ReRun
25	P4780-04	VN084812.D	12 Nov 2024 21:38	JC\MD	ReRun
26	VSTDCCC050	VN084813.D	12 Nov 2024 22:02	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM
Supervise By	Maresh Dadoda	Supervise On	11/14/2024 3:18:46 PM
SubDirectory	VN111324	HP Acquire Method	HP Processing Method 82N103024W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131432		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131433,VP131434		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084814.D	13 Nov 2024 08:53	JC\MD	Ok
2	VSTDCCC050	VN084815.D	13 Nov 2024 09:52	JC\MD	Ok,M
3	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	JC\MD	Not Ok
4	VN1113WBL01	VN084817.D	13 Nov 2024 10:50	JC\MD	Ok
5	VN1113MBL02	VN084818.D	13 Nov 2024 11:13	JC\MD	Ok
6	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	JC\MD	Ok,M
7	P4793-01	VN084820.D	13 Nov 2024 12:01	JC\MD	Dilution
8	P4793-01DL	VN084821.D	13 Nov 2024 13:00	JC\MD	Ok
9	VN1113WBS01	VN084822.D	13 Nov 2024 13:24	JC\MD	Ok,M
10	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00	JC\MD	Ok,M
11	P4722-05	VN084824.D	13 Nov 2024 14:24	JC\MD	Ok
12	P4722-10	VN084825.D	13 Nov 2024 14:48	JC\MD	Ok
13	P4722-15	VN084826.D	13 Nov 2024 15:12	JC\MD	Ok
14	P4780-01	VN084827.D	13 Nov 2024 15:35	JC\MD	Ok
15	P4739-11DL	VN084828.D	13 Nov 2024 15:59	JC\MD	Ok
16	IBLK	VN084829.D	13 Nov 2024 16:23	JC\MD	Ok
17	P4770-04	VN084830.D	13 Nov 2024 16:47	JC\MD	Ok
18	P4780-04	VN084831.D	13 Nov 2024 17:11	JC\MD	Ok
19	P4770-05	VN084832.D	13 Nov 2024 17:35	JC\MD	Ok
20	P4780-02	VN084833.D	13 Nov 2024 18:00	JC\MD	Ok
21	P4780-03	VN084834.D	13 Nov 2024 18:23	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM
SubDirectory	VN111324	HP Acquire Method	HP Processing Method 82N103024W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131432		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131433,VP131434		

22	P4791-02	VN084835.D	13 Nov 2024 18:47	JC\MD	Ok
23	P4792-04	VN084836.D	13 Nov 2024 19:11	JC\MD	Ok
24	P4799-17	VN084837.D	13 Nov 2024 19:35	JC\MD	Ok
25	P4732-05	VN084838.D	13 Nov 2024 19:59	JC\MD	Ok
26	P4792-02	VN084839.D	13 Nov 2024 20:23	JC\MD	Ok
27	VSTDCCC050	VN084840.D	13 Nov 2024 20:47	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM
Supervise By	Maresh Dadoda	Supervise On	11/4/2024 1:18:30 AM
SubDirectory	VN103024	HP Acquire Method	MSVOA_N HP Processing Method 82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194,VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP131194.VP131195			
Initial Calibration Stds		VP131185,VP131186,VP131187,VP131188,VP131189,VP131190			
CCC		VP131191,VP131192			
Internal Standard/PEM		VP128298			
ICV/I.BLK		VP131193			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP131194.VP131195			
Initial Calibration Stds		VP131185,VP131186,VP131187,VP131188,VP131189,VP131190			
CCC		VP131191,VP131192			
Internal Standard/PEM		VP128298			
ICV/I.BLK		VP131193			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN111224

Review By	John Carlone	Review On	11/13/2024 10:19:33 AM
Supervise By	Maresh Dadoda	Supervise On	11/13/2024 2:49:08 PM
SubDirectory	VN111224	HP Acquire Method	HP Processing Method 82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131405
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131406,VP131407

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084788.D	12 Nov 2024 10:19		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084789.D	12 Nov 2024 12:25	CCAL failed high for comp. #16	JC\MD	Ok,M
3	VN1112MBL01	VN1112MBL01	VN084790.D	12 Nov 2024 12:49		JC\MD	Ok
4	VN1112WBL01	VN1112WBL01	VN084791.D	12 Nov 2024 13:13		JC\MD	Ok
5	VN1112WBS01	VN1112WBS01	VN084792.D	12 Nov 2024 13:37	BS failed low for comp. #87,88,93,94,96	JC\MD	Ok,M
6	PB164761TB	PB164761TB	VN084793.D	12 Nov 2024 14:01		JC\MD	Ok
7	P4722-05	WC-1(0-6)	VN084794.D	12 Nov 2024 14:25	CCAL failed high for comp. #16 ;BS failed low for comp. #87,88,93,96	JC\MD	ReRun
8	P4722-10	WC-2(0-6)	VN084795.D	12 Nov 2024 14:49	CCAL failed high for comp. #16 ;BS failed low for comp. #87,88,93,96	JC\MD	ReRun
9	P4722-15	WC-3(0-6)	VN084796.D	12 Nov 2024 15:13	BS failed low for comp. #87,88,93,96	JC\MD	ReRun
10	VN1112WBSD01	VN1112WBSD01	VN084797.D	12 Nov 2024 15:37		JC\MD	Ok,M
11	PB164881TB	PB164881TB	VN084798.D	12 Nov 2024 16:01		JC\MD	Ok
12	P4799-01	WC-TA2-02-G	VN084799.D	12 Nov 2024 16:25	vial A pH#5.0	JC\MD	Ok
13	P4799-05	WC-TA2-03-G	VN084800.D	12 Nov 2024 16:49	vial A pH#5.0	JC\MD	Ok
14	P4799-09	WC-TA1-01-G	VN084801.D	12 Nov 2024 17:13	vial A pH#5.0	JC\MD	Ok
15	P4799-13	WC-TA1-02-G	VN084802.D	12 Nov 2024 17:38	vial A pH#5.0	JC\MD	Ok
16	P4799-17	WC-TA1-03-G	VN084803.D	12 Nov 2024 18:02	vial A pH#5.0 Surrogate Fail	JC\MD	ReRun

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN111224

Review By	John Carlone	Review On	11/13/2024 10:19:33 AM
Supervise By	Maresh Dadoda	Supervise On	11/13/2024 2:49:08 PM
SubDirectory	VN111224	HP Acquire Method	HP Processing Method 82N103024W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131405		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131406,VP131407		

17	P4807-04	TP-7	VN084804.D	12 Nov 2024 18:26	vial A pH#5.0	JC\MD	Ok
18	P4807-08	BF-F14	VN084805.D	12 Nov 2024 18:50	vial A pH#5.0	JC\MD	Ok
19	P4807-12	BF-F13	VN084806.D	12 Nov 2024 19:14	vial A pH#5.0	JC\MD	Ok
20	P4807-16	TP-6	VN084807.D	12 Nov 2024 19:38	vial A pH#5.0	JC\MD	Ok
21	P4809-04	MH-5	VN084808.D	12 Nov 2024 20:02	vial A pH#5.0	JC\MD	Ok
22	P4780-01	Storage-Blank-SOIL-RE	VN084809.D	12 Nov 2024 20:26	vial A pH<2 BS failed low for comp. #87,88,93,94,96	JC\MD	ReRun
23	P4780-02	Storage-Blank-WATER-	VN084810.D	12 Nov 2024 20:50	vial A pH<2 BS failed low for comp. #87,88,93,94,96	JC\MD	ReRun
24	P4780-03	Storage-Blank-WATER-	VN084811.D	12 Nov 2024 21:14	vial A pH<2 BS failed low for comp. #87,88,93,94,96	JC\MD	ReRun
25	P4780-04	Storage-Blank-SAMPLE	VN084812.D	12 Nov 2024 21:38	vial A pH<2 BS failed low for comp. #87,88,93,94,96	JC\MD	ReRun
26	VSTDCCC050	VSTDCCC050EC	VN084813.D	12 Nov 2024 22:02		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM
Supervise By	Maresh Dadoda	Supervise On	11/14/2024 3:18:46 PM
SubDirectory	VN111324	HP Acquire Method	HP Processing Method 82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP131432
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131433,VP131434

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084814.D	13 Nov 2024 08:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084815.D	13 Nov 2024 09:52		JC\MD	Ok,M
3	VN1113MBL01	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	Contaminated	JC\MD	Not Ok
4	VN1113WBL01	VN1113WBL01	VN084817.D	13 Nov 2024 10:50		JC\MD	Ok
5	VN1113MBL02	VN1113MBL02	VN084818.D	13 Nov 2024 11:13		JC\MD	Ok
6	VN1113MBS01	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	BS failed low for comp. #93	JC\MD	Ok,M
7	P4793-01	M00-24-00345	VN084820.D	13 Nov 2024 12:01	Need 5X	JC\MD	Dilution
8	P4793-01DL	M00-24-00345DL	VN084821.D	13 Nov 2024 13:00		JC\MD	Ok
9	VN1113WBS01	VN1113WBS01	VN084822.D	13 Nov 2024 13:24		JC\MD	Ok,M
10	VN1113WBSD01	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00		JC\MD	Ok,M
11	P4722-05	WC-1(0-6)	VN084824.D	13 Nov 2024 14:24	vial B pH#6.0	JC\MD	Ok
12	P4722-10	WC-2(0-6)	VN084825.D	13 Nov 2024 14:48	vial B pH#6.0	JC\MD	Ok
13	P4722-15	WC-3(0-6)	VN084826.D	13 Nov 2024 15:12	vial B pH#6.0	JC\MD	Ok
14	P4780-01	Storage-Blank-SOIL-RE	VN084827.D	13 Nov 2024 15:35	vial B pH<2	JC\MD	Ok
15	P4739-11DL	BP-B2-VOC DL	VN084828.D	13 Nov 2024 15:59		JC\MD	Ok
16	IBLK	IBLK	VN084829.D	13 Nov 2024 16:23		JC\MD	Ok
17	P4770-04	FIELD-BLANK	VN084830.D	13 Nov 2024 16:47	vial A pH<2 FB	JC\MD	Ok
18	P4780-04	Storage-Blank-SAMPLE	VN084831.D	13 Nov 2024 17:11	vial B pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

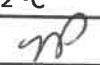
Daily Analysis Runlog For Sequence/QC Batch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM
Supervise By	Maresh Dadoda	Supervise On	11/14/2024 3:18:46 PM
SubDirectory	VN111324	HP Acquire Method	HP Processing Method 82N103024W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131432		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131433,VP131434		

19	P4770-05	TRIP-BLANK	VN084832.D	13 Nov 2024 17:35	vial A pH<2 TB	JC\MD	Ok
20	P4780-02	Storage-Blank-WATER	VN084833.D	13 Nov 2024 18:00	vial B pH<2	JC\MD	Ok
21	P4780-03	Storage-Blank-WATER	VN084834.D	13 Nov 2024 18:23	vial B pH<2	JC\MD	Ok
22	P4791-02	HINCHMAN-OILY-WAT	VN084835.D	13 Nov 2024 18:47	vial B pH<2	JC\MD	Ok
23	P4792-04	MANHOLE-WASTE-DR	VN084836.D	13 Nov 2024 19:11	vial B pH<2	JC\MD	Ok
24	P4799-17	WC-TA1-03-G	VN084837.D	13 Nov 2024 19:35	vial B pH#5.0	JC\MD	Ok
25	P4732-05	PPE-Grab	VN084838.D	13 Nov 2024 19:59	vial B pH#5.0	JC\MD	Ok
26	P4792-02	DIESLE-DRUM	VN084839.D	13 Nov 2024 20:23		JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084840.D	13 Nov 2024 20:47		JC\MD	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-4
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : ZHE-1
TCLP Filter ID : 50223706

Start Prep Date : 11/11/2024 **Time :** 15:00
End Prep Date : 11/12/2024 **Time :** 08:15
Combination Ratio : 20
ZHE Cleaning Batch : N/A
Initial Room Temperature: 23 °C
Final Room Temperature: 22 °C
TCLP Technician Signature : 
Supervisor By : 12

Standardized Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
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
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 minties of tumbling. TUMBLER
 ZHE-1 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11-12-24 11:00	 JCP Room	 100C Lab
	Preparation Group	Analysis Group

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4799-01	WC-TA2-02-G	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4799-05	WC-TA2-03-G	02	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4799-09	WC-TA1-01-G	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4799-13	WC-TA1-02-G	04	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4799-17	WC-TA1-03-G	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4807-04	TP-7	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4807-08	BF-F14	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4807-12	BF-F13	08	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4807-16	TP-6	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4809-04	MH-5	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB164881TB	LEB881	11	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4799-01	WC-TA2-02-G	N/A	N/A	N/A	N/A	100	N/A
P4799-05	WC-TA2-03-G	N/A	N/A	N/A	N/A	100	N/A
P4799-09	WC-TA1-01-G	N/A	N/A	N/A	N/A	100	N/A
P4799-13	WC-TA1-02-G	N/A	N/A	N/A	N/A	100	N/A
P4799-17	WC-TA1-03-G	N/A	N/A	N/A	N/A	100	N/A
P4807-04	TP-7	N/A	N/A	N/A	N/A	100	N/A
P4807-08	BF-F14	N/A	N/A	N/A	N/A	100	N/A
P4807-12	BF-F13	N/A	N/A	N/A	N/A	100	N/A
P4807-16	TP-6	N/A	N/A	N/A	N/A	100	N/A
P4809-04	MH-5	N/A	N/A	N/A	N/A	100	N/A
PB164881TB	LEB881	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe p4807

WorkList ID : 185331

Department : TCLP Extraction

Date : 11-11-2024 12:39:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4799-01	WC-TA2-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	11/08/2024	1311 ZHE
P4799-05	WC-TA2-03-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	11/08/2024	1311 ZHE
P4799-09	WC-TA1-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	11/08/2024	1311 ZHE
P4799-13	WC-TA1-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	11/08/2024	1311 ZHE
P4799-17	WC-TA1-03-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L31	11/08/2024	1311 ZHE
P4807-04	TP-7	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/09/2024	1311 ZHE
P4807-08	BF-F14	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/09/2024	1311 ZHE
P4807-12	BF-F13	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/09/2024	1311 ZHE
P4807-16	TP-6	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/09/2024	1311 ZHE
P4809-04	MH-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	11/11/2024	1311 ZHE

Date/Time 11-11-24 16:10
 Raw Sample Received by: JH Ce20,
 Raw Sample Relinquished by: RJ Ce20-104h)

Date/Time 11-11-24 18:00
 Raw Sample Received by: RJ Ce20-104h)
 Raw Sample Relinquished by: JH Ce20,



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4799

COC Number: 2042103

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 570-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*

HARD COPY: DAYS*

EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E	E	E	E
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9
1.	WC-TA2-02-G	Soil		X	11/8	13:00	1	X								
2.	WC-TA2-02-C	Soil	X		10/30	13:00	11		X	X	X	X	X	X	X	X
3.	WC-TA2-03-G	Soil		X	11/8	13:00	1	X								
4.	WC-TA2-03-C	Soil	X		11/1	13:00	11		X	X	X	X	X	X	X	X
5.	WC-TA1-01-G	Soil		X	11/8	13:00	1	X								
6.	WC-TA1-01-C	Soil	X		11/4	13:00	11		X	X	X	X	X	X	X	X
7.	WC-TA1-02-G	Soil		X	11/8	13:00	1	X								
8.	WC-TA1-02-C	Soil	X		11/5	13:00	11		X	X	X	X	X	X	X	X
9.	WC-TA1-03-G	Soil		X	11/8	13:00	1	X								
10.	WC-TA1-03-C	Soil	X		11/6	13:00	11		X	X	X	X	X	X	X	X

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 11/5 14:30	RECEIVED BY 1.	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>15.4°</u> ☐ Ice in Cooler?: _____
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	Page <u>1</u> of <u>2</u> SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

P4799

COC Number: 2042103

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY Jersey City STATE: NJ ZIP: 07302

ATTENTION: Jarod Stanfield

PHONE: 570-886-0442

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309

LOCATION: Brooklyn, NY

PROJECT MANAGER: Jarod Stanfield

E-MAIL: jstanfield@entact.com

PHONE: 570-886-0442

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		
10	11	12	13	14	15	16		

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: DAYS*
EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9
1.	WC-TA2-02-G	Soil		X	11/8	13:00	1									
2.	WC-TA2-02-C	Soil	X		10/30	13:00	11	X	X	X	X	X	X	X		
3.	WC-TA2-03-G	Soil		X	11/8	13:00	1									
4.	WC-TA2-03-C	Soil	X		11/1	13:00	11	X	X	X	X	X	X	X		
5.	WC-TA1-01-G	Soil		X	11/8	13:00	1									
6.	WC-TA1-01-C	Soil	X		11/4	13:00	11	X	X	X	X	X	X	X		
7.	WC-TA1-02-G	Soil		X	11/8	13:00	1									
8.	WC-TA1-02-C	Soil	X		11/5	13:00	11	X	X	X	X	X	X	X		
9.	WC-TA1-03-G	Soil		X	11/8	13:00	1									
10.	WC-TA1-03-C	Soil	X		11/6	13:00	11	X	X	X	X	X	X	X		

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 11/5 14:30	RECEIVED BY 1.	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>15.4C</u> ☐ Ice in Cooler?: _____
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	
Page <u>2</u> of <u>2</u>			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight
			Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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