

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
 Data File : VN088312.D
 Acq On : 18 Nov 2025 12:37
 Operator : JC\MD
 Sample : Q3660-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-M21012

Quant Time: Nov 19 03:33:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

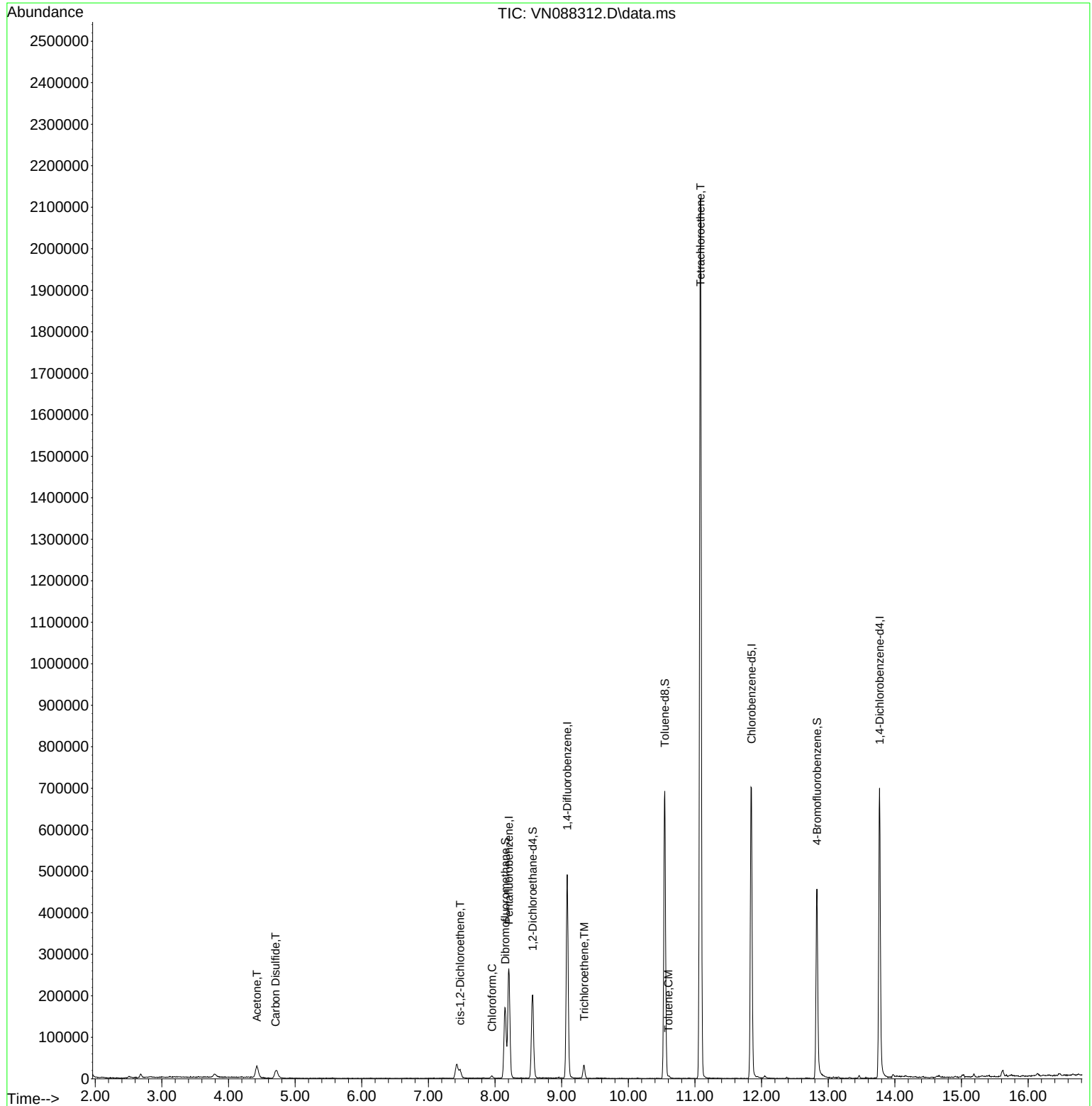
Internal Standards						
1) Pentafluorobenzene	8.206	168	177381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	399223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	393246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	187251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	170647	55.634	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.260%	
35) Dibromofluoromethane	8.153	113	123417	46.017	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.040%	
50) Toluene-d8	10.547	98	466984	45.188	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	90.380%	
62) 4-Bromofluorobenzene	12.829	95	163205	44.718	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	89.440%	
Target Compounds						
						Qvalue
16) Acetone	4.424	43	55758	36.184	ug/l	90
17) Carbon Disulfide	4.706	76	12928	1.908	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	7922	2.812	ug/l	96
30) Chloroform	7.953	83	4899	1.077	ug/l #	77
44) Trichloroethene	9.336	130	10763	3.861	ug/l	98
52) Toluene	10.600	92	1953	0.266	ug/l	99
64) Tetrachloroethene	11.082	164	451933	174.228	ug/l	97

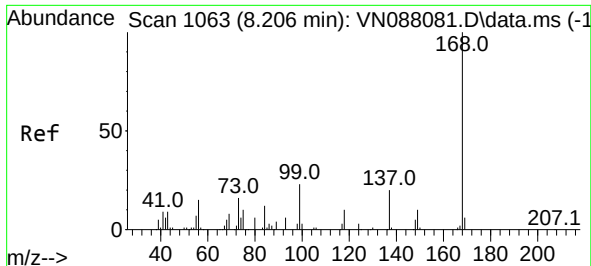
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
Data File : VN088312.D
Acq On : 18 Nov 2025 12:37
Operator : JC\MD
Sample : Q3660-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-M21012

Quant Time: Nov 19 03:33:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

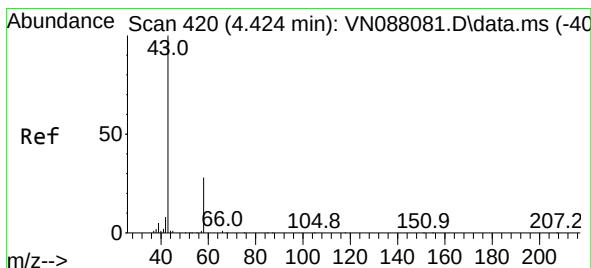
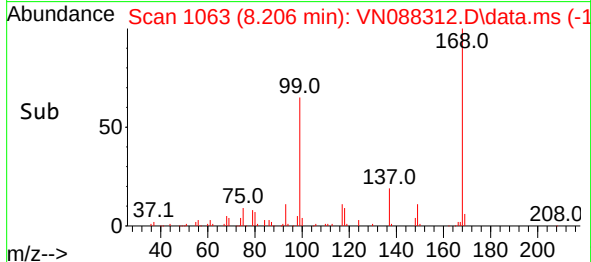
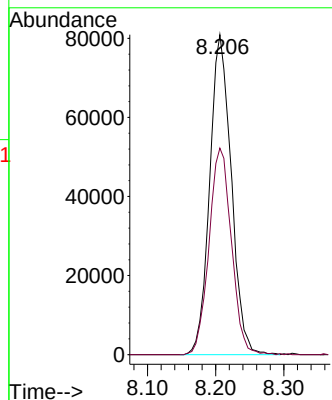
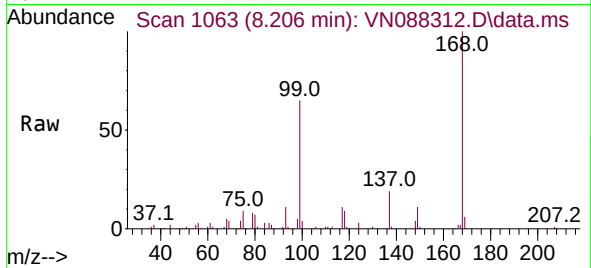




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088312.D
Acq: 18 Nov 2025 12:37

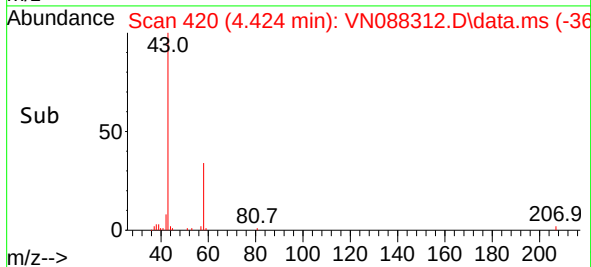
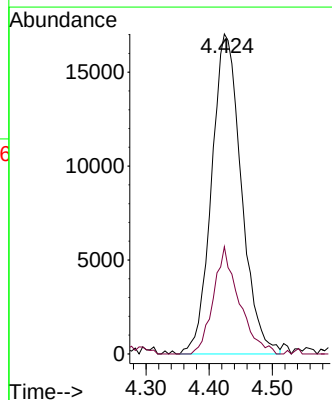
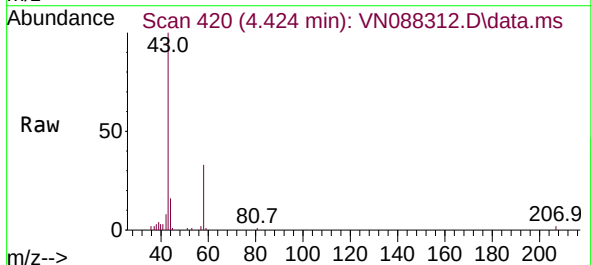
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-M21012

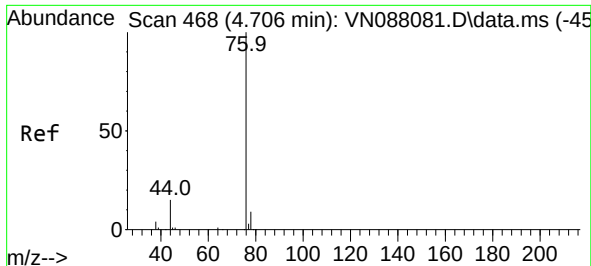
Tgt Ion:168 Resp: 177381
Ion Ratio Lower Upper
168 100
99 64.5 57.2 85.8



#16
Acetone
Concen: 36.184 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088312.D
Acq: 18 Nov 2025 12:37

Tgt Ion: 43 Resp: 55758
Ion Ratio Lower Upper
43 100
58 33.5 22.6 33.8

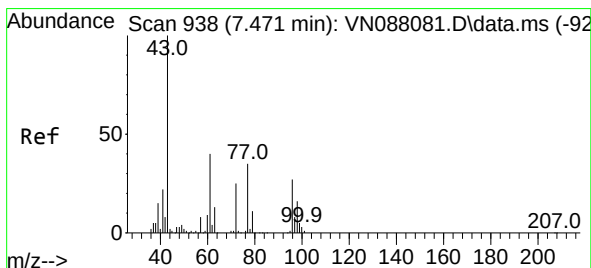
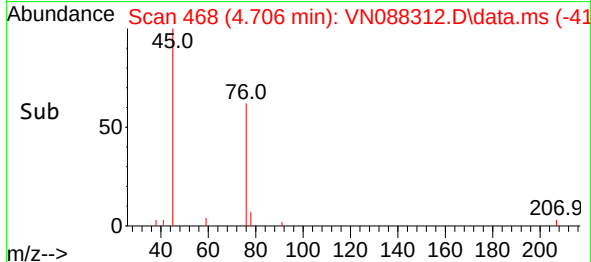
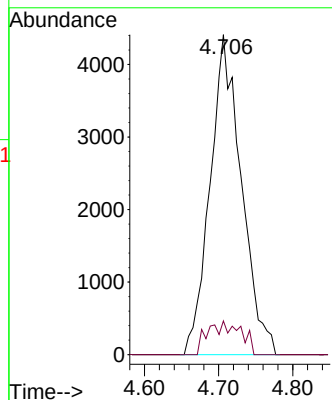
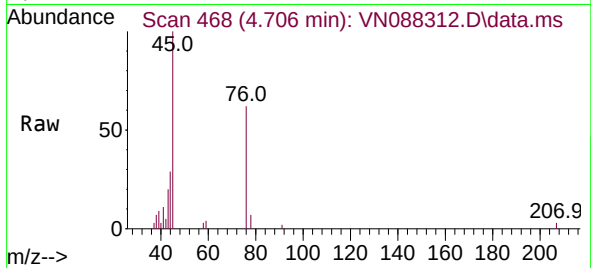




#17
Carbon Disulfide
Concen: 1.908 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN088312.D
Acq: 18 Nov 2025 12:37

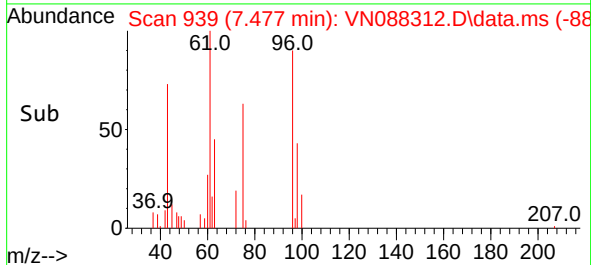
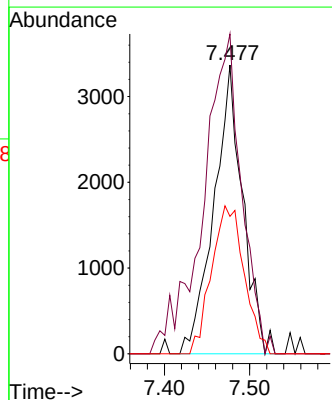
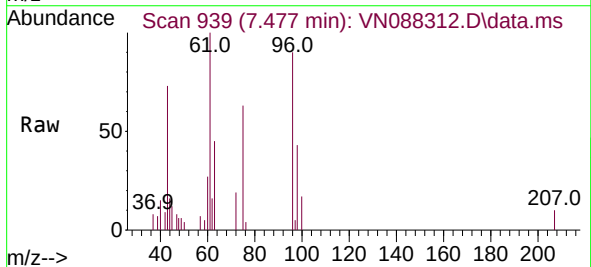
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-M21012

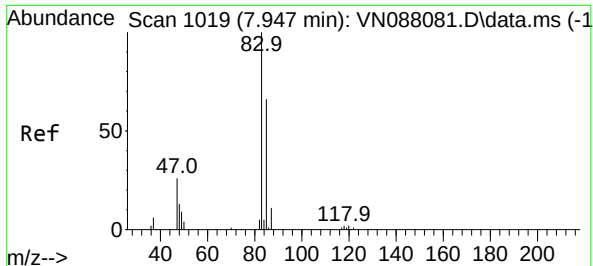
Tgt Ion: 76 Resp: 12928
Ion Ratio Lower Upper
76 100
78 10.5 7.6 11.4



#27
cis-1,2-Dichloroethene
Concen: 2.812 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088312.D
Acq: 18 Nov 2025 12:37

Tgt Ion: 96 Resp: 7922
Ion Ratio Lower Upper
96 100
61 147.6 0.0 301.8
98 58.1 0.0 126.2

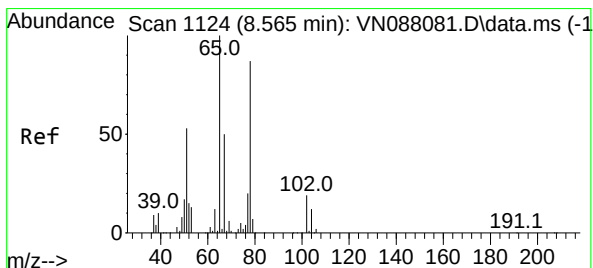
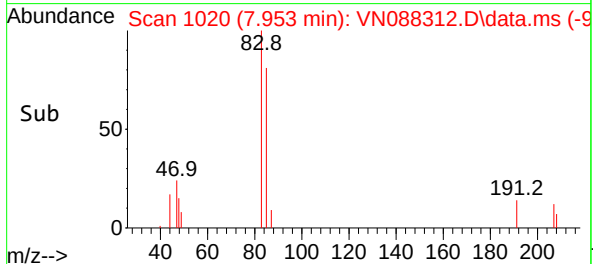
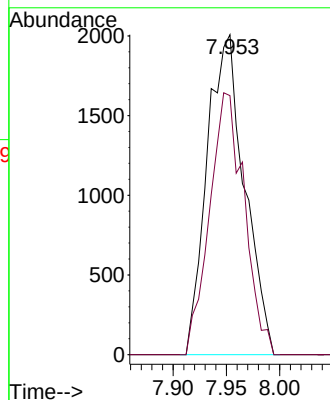
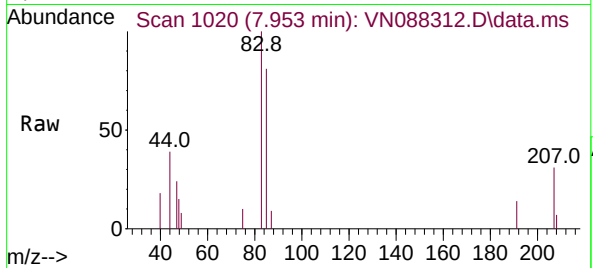




#30
Chloroform
Concen: 1.077 ug/l
RT: 7.953 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VN088312.D
Acq: 18 Nov 2025 12:37

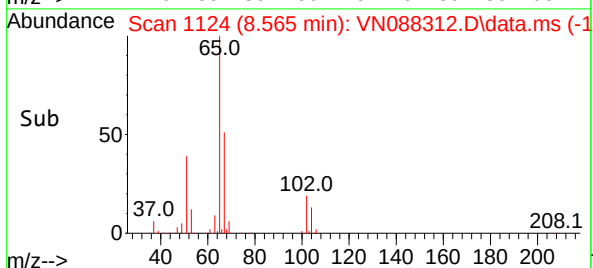
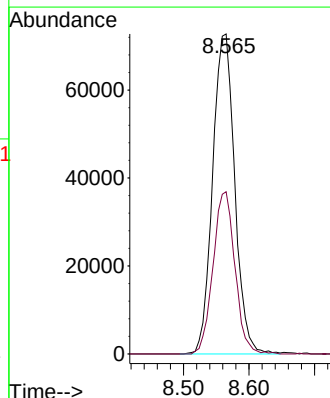
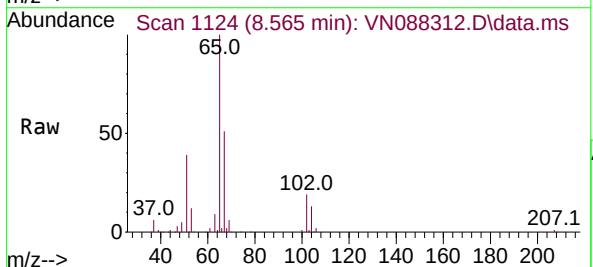
Instrument :
MSVOA_N
ClientSampleId :
FRAC-TANK-M21012

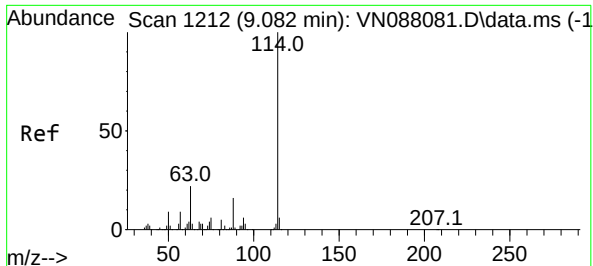
Tgt Ion: 83 Resp: 4899
Ion Ratio Lower Upper
83 100
85 80.9 50.7 76.1#



#33
1,2-Dichloroethane-d4
Concen: 55.634 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088312.D
Acq: 18 Nov 2025 12:37

Tgt Ion: 65 Resp: 170647
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088312.D

Acq: 18 Nov 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-M21012

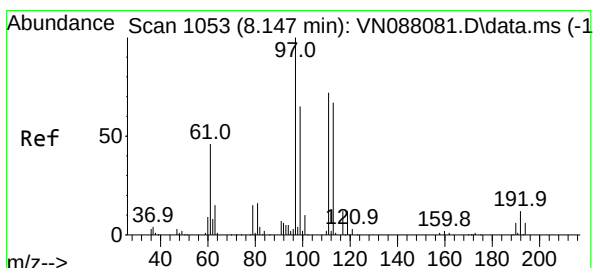
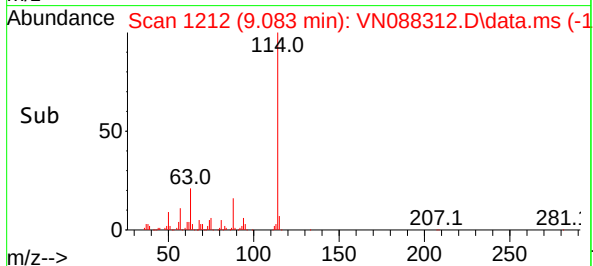
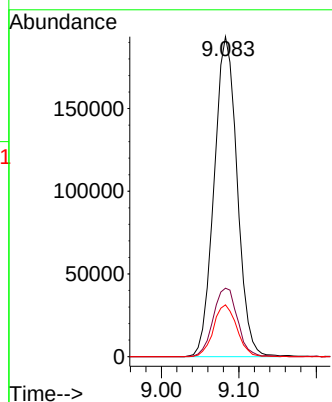
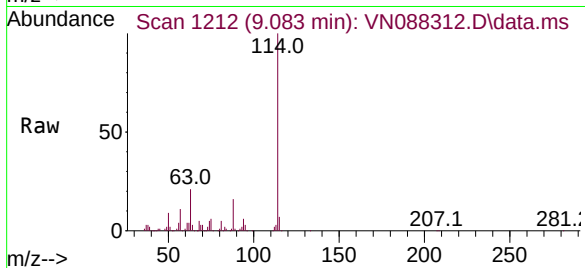
Tgt Ion:114 Resp: 399223

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.2

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 46.017 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN088312.D

Acq: 18 Nov 2025 12:37

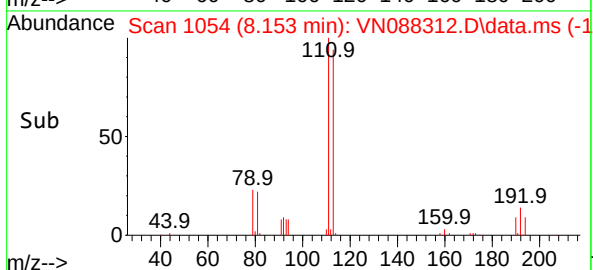
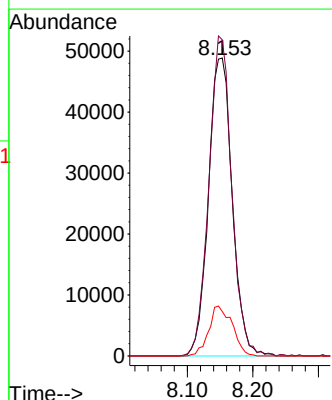
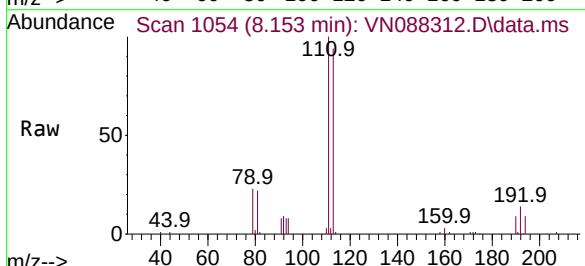
Tgt Ion:113 Resp: 123417

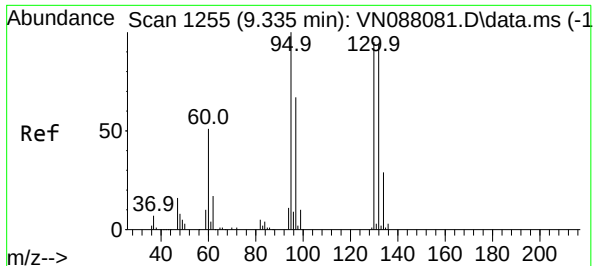
Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 16.5 12.8 19.2

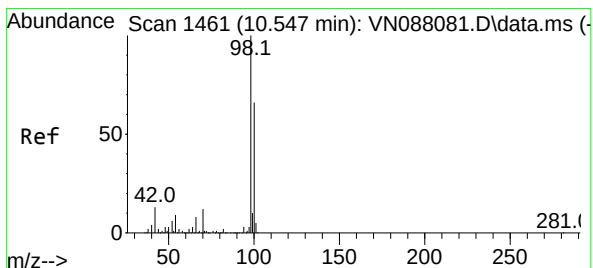
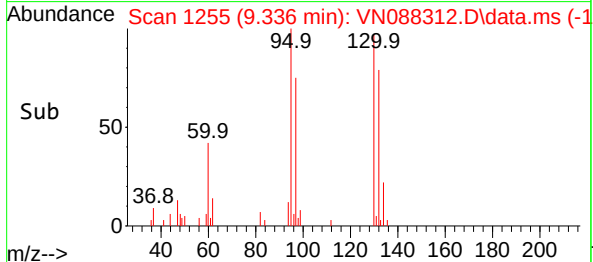
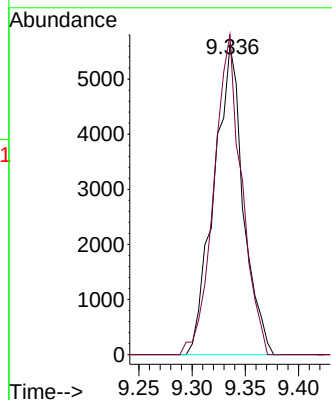
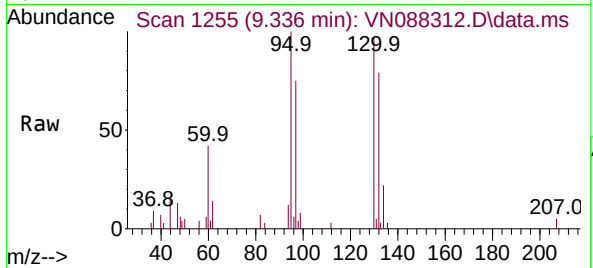




#44
 Trichloroethene
 Concen: 3.861 ug/l
 RT: 9.336 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN088312.D
 Acq: 18 Nov 2025 12:37

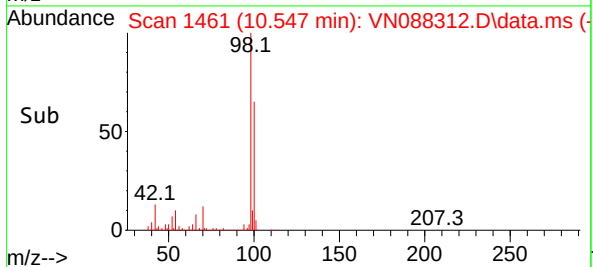
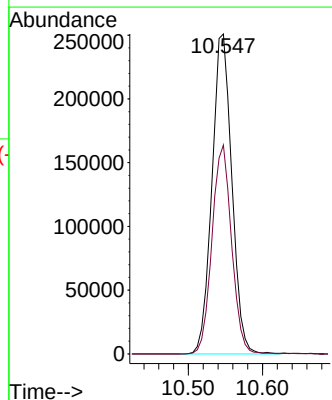
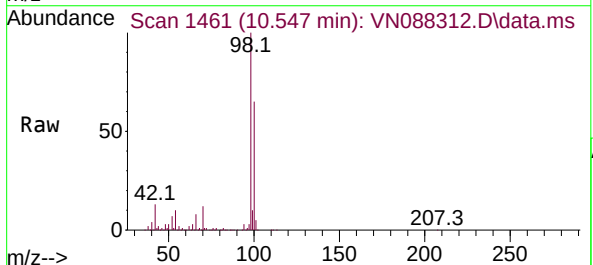
Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-M21012

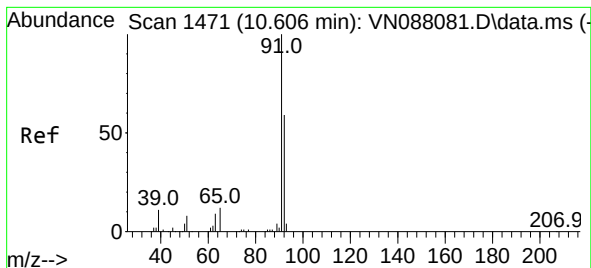
Tgt Ion:130 Resp: 10763
 Ion Ratio Lower Upper
 130 100
 95 103.4 0.0 212.0



#50
 Toluene-d8
 Concen: 45.188 ug/l
 RT: 10.547 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: VN088312.D
 Acq: 18 Nov 2025 12:37

Tgt Ion: 98 Resp: 466984
 Ion Ratio Lower Upper
 98 100
 100 64.2 52.8 79.2





#52

Toluene

Concen: 0.266 ug/l

RT: 10.600 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VN088312.D

Acq: 18 Nov 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

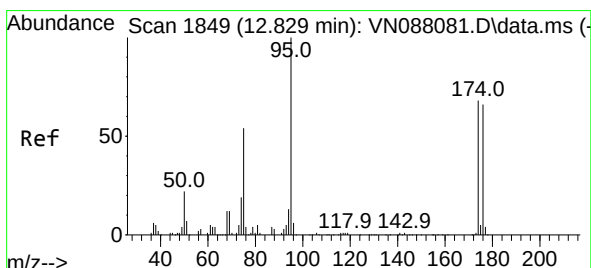
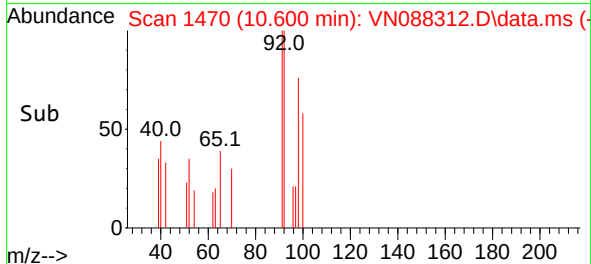
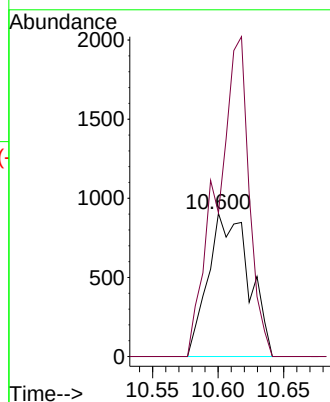
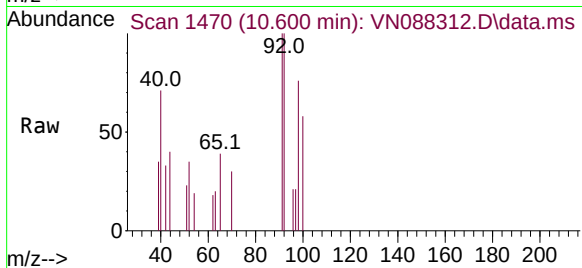
FRAC-TANK-M21012

Tgt Ion: 92 Resp: 1953

Ion Ratio Lower Upper

92 100

91 176.5 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 44.718 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088312.D

Acq: 18 Nov 2025 12:37

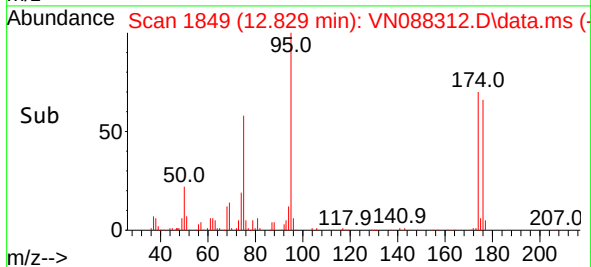
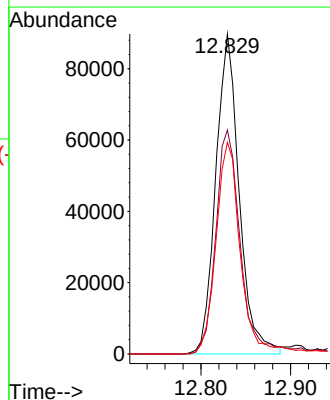
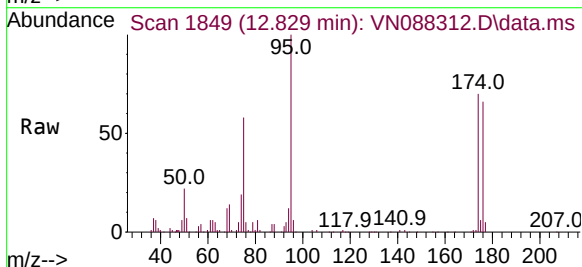
Tgt Ion: 95 Resp: 163205

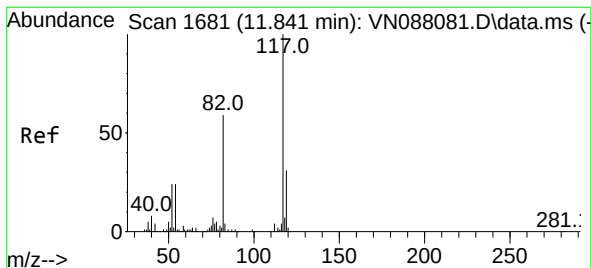
Ion Ratio Lower Upper

95 100

174 74.3 0.0 138.4

176 70.0 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VN088312.D

Acq: 18 Nov 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

FRAC-TANK-M21012

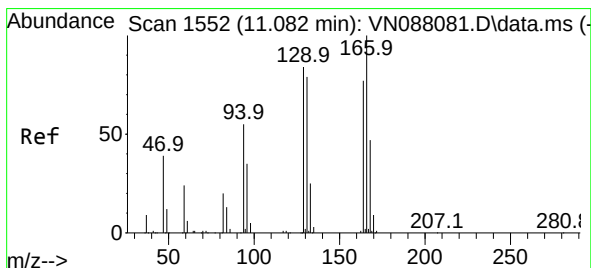
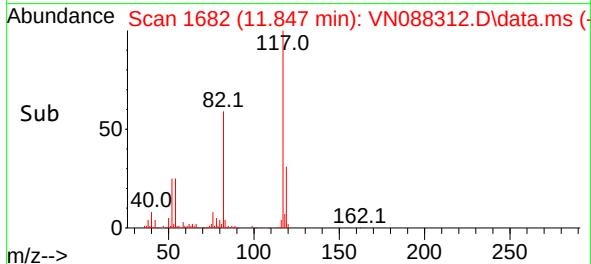
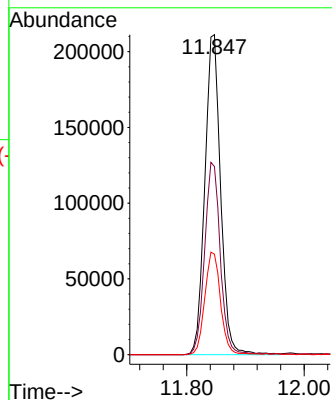
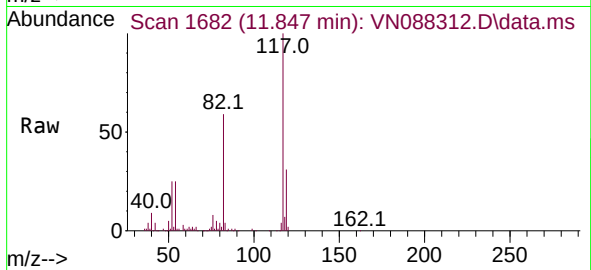
Tgt Ion:117 Resp: 393246

Ion Ratio Lower Upper

117 100

82 58.8 47.4 71.2

119 31.4 24.3 36.5



#64

Tetrachloroethene

Concen: 174.228 ug/l

RT: 11.082 min Scan# 1552

Delta R.T. 0.000 min

Lab File: VN088312.D

Acq: 18 Nov 2025 12:37

Tgt Ion:164 Resp: 451933

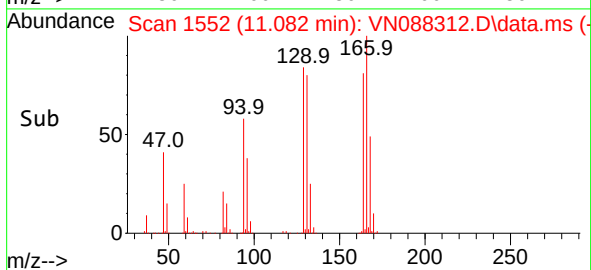
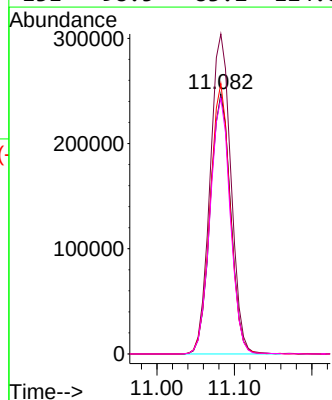
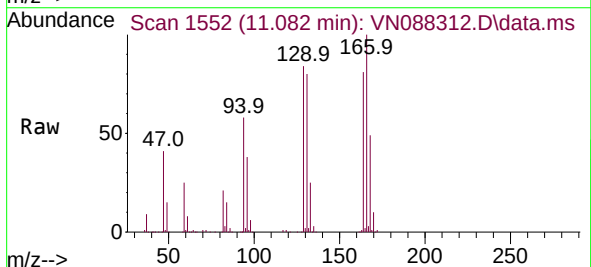
Ion Ratio Lower Upper

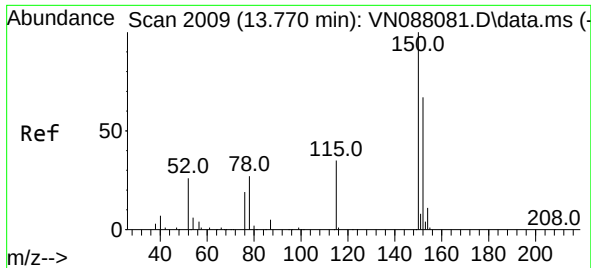
164 100

166 123.2 97.7 146.5

129 104.1 85.9 128.9

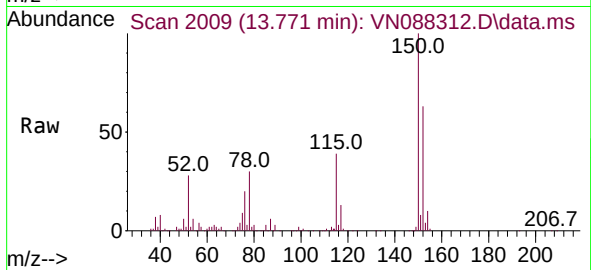
131 98.5 83.2 124.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088312.D
 Acq: 18 Nov 2025 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 FRAC-TANK-M21012



Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	32.3	96.8
150	160.0	0.0	351.0

