

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088192.D
 Acq On : 31 Oct 2025 16:26
 Operator : JC\MD
 Sample : Q3503-05
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 324

Quant Time: Nov 01 00:37:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

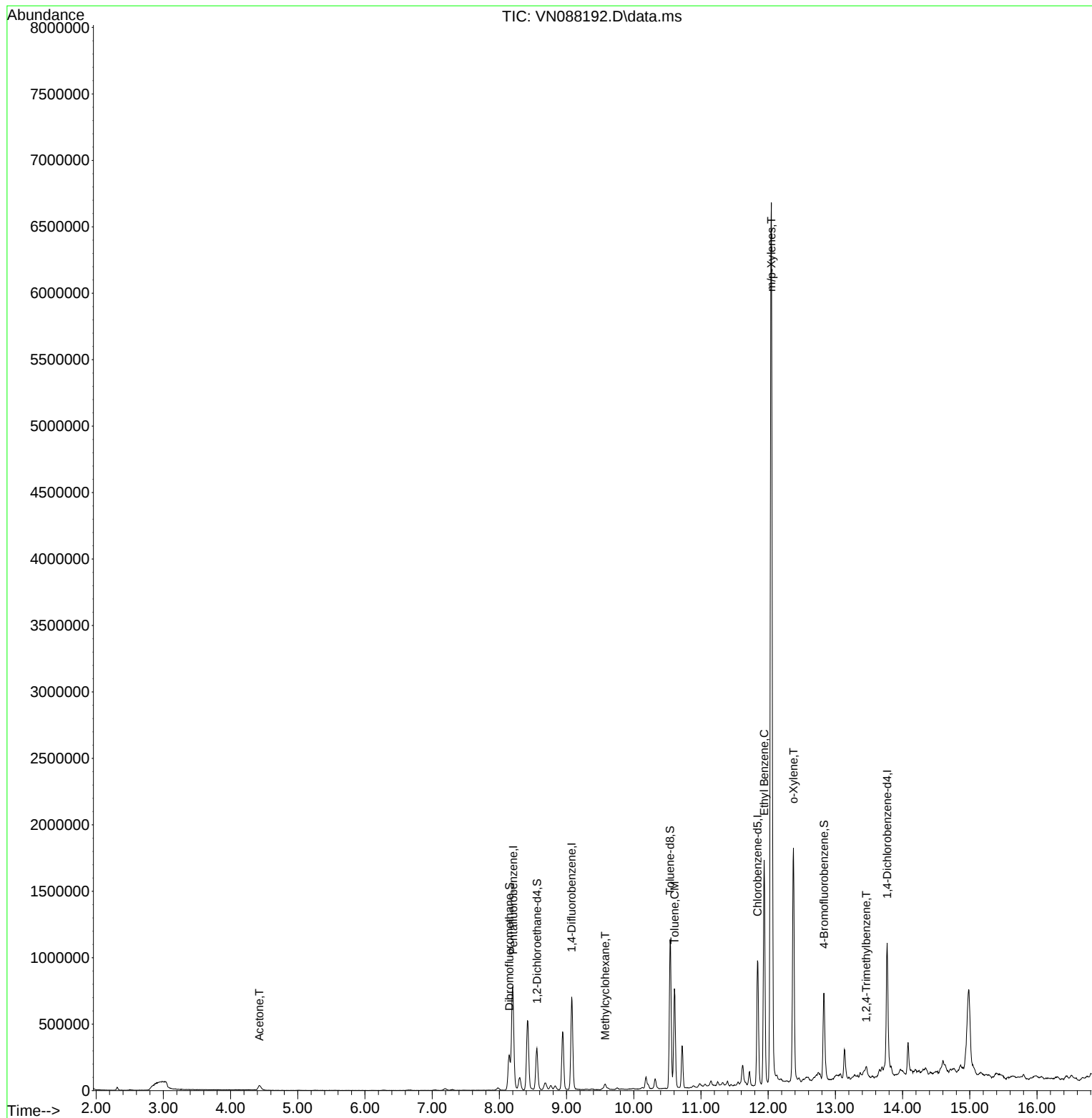
Internal Standards						
1) Pentafluorobenzene	8.206	168	249671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	572203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	516065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	239834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	258925	59.973	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 119.940%		
35) Dibromofluoromethane	8.147	113	188043	48.917	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 97.840%		
50) Toluene-d8	10.541	98	731879	49.411	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.820%		
62) 4-Bromofluorobenzene	12.829	95	261719	50.032	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.060%		
Target Compounds						
						Qvalue
16) Acetone	4.430	43	79325	36.573	ug/l	98
39) Methylcyclohexane	9.577	83	17155	2.378	ug/l	88
52) Toluene	10.606	92	320462	30.407	ug/l	97
67) Ethyl Benzene	11.941	91	1255109	61.019	ug/l	99
68) m/p-Xylenes	12.047	106	2020589	262.180	ug/l	99
69) o-Xylene	12.376	106	486600	66.604	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	41317	2.688	ug/l	99

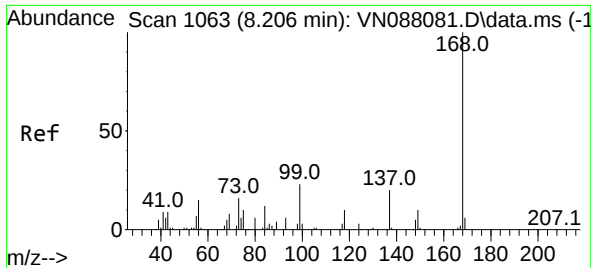
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
Data File : VN088192.D
Acq On : 31 Oct 2025 16:26
Operator : JC\MD
Sample : Q3503-05
Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
324

Quant Time: Nov 01 00:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

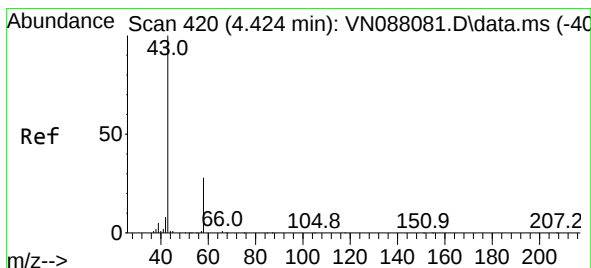
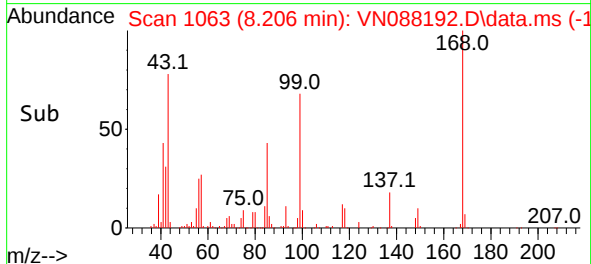
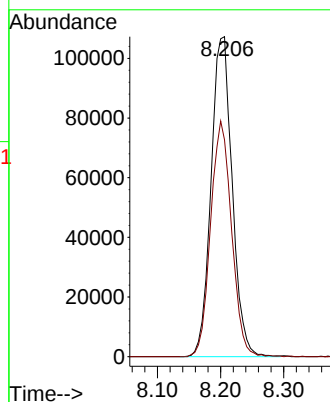
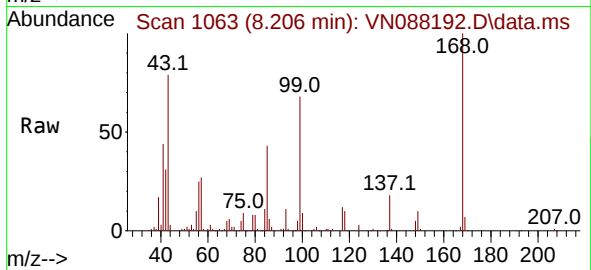




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

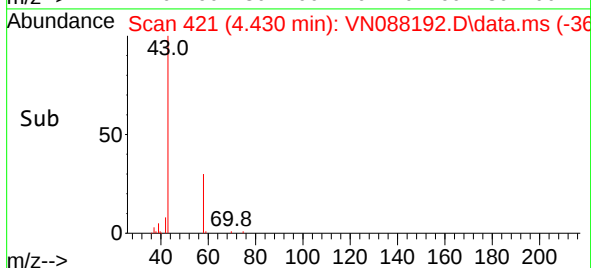
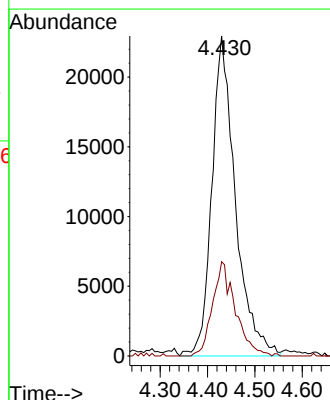
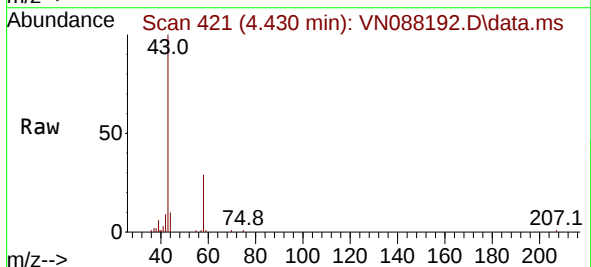
Instrument :
MSVOA_N
ClientSampleId :
324

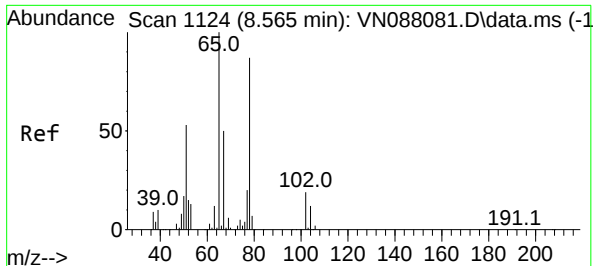
Tgt Ion:168 Resp: 249671
Ion Ratio Lower Upper
168 100
99 67.8 57.2 85.8



#16
Acetone
Concen: 36.573 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

Tgt Ion: 43 Resp: 79325
Ion Ratio Lower Upper
43 100
58 29.4 22.6 33.8





#33

1,2-Dichloroethane-d4

Concen: 59.973 ug/l

RT: 8.559 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088192.D

Acq: 31 Oct 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

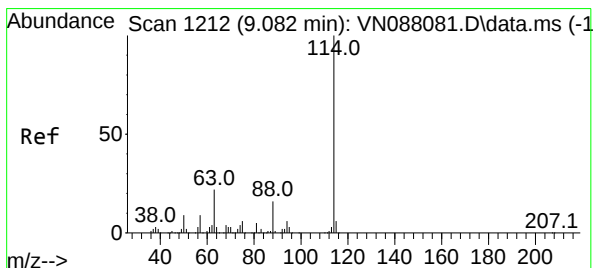
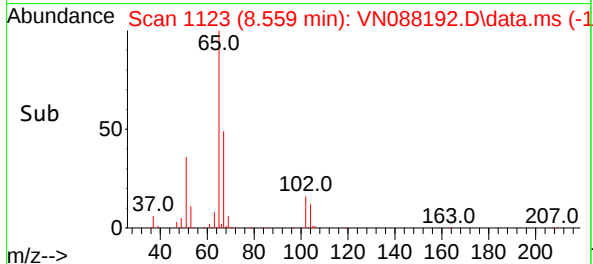
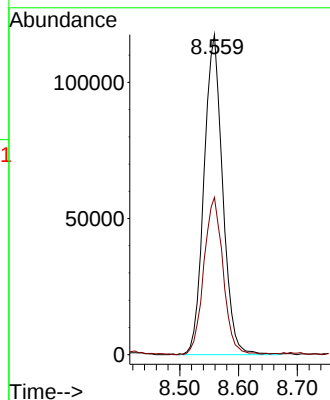
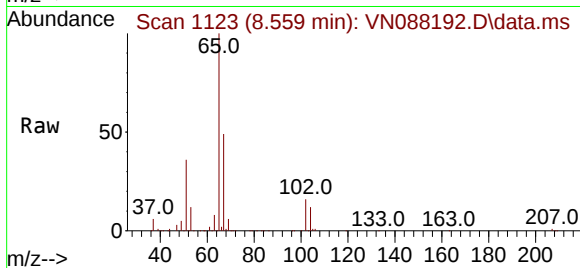
324

Tgt Ion: 65 Resp: 258925

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088192.D

Acq: 31 Oct 2025 16:26

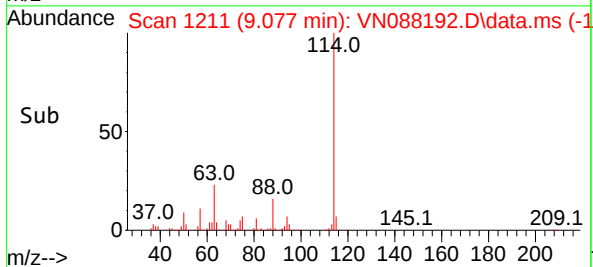
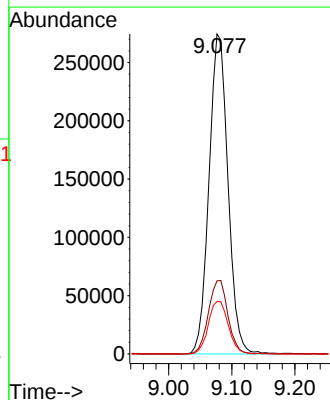
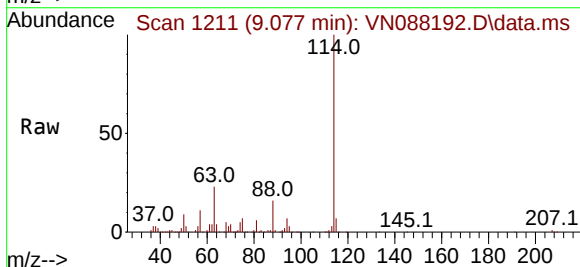
Tgt Ion:114 Resp: 572203

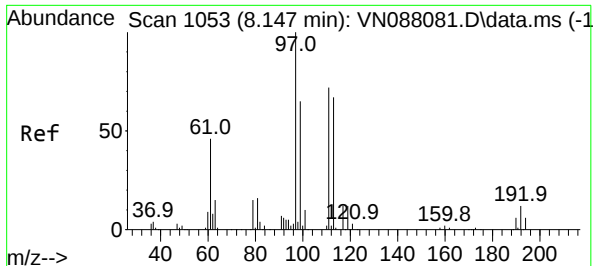
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

88 16.4 0.0 33.4

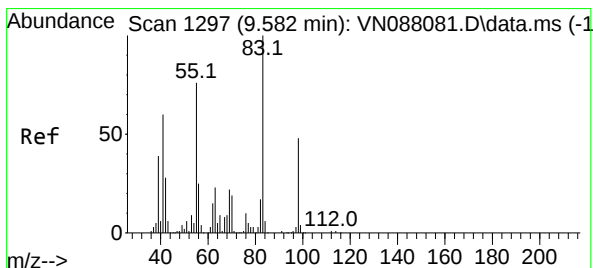
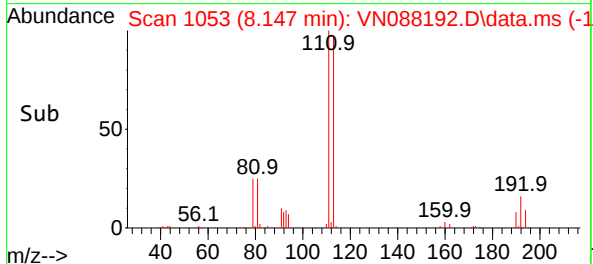
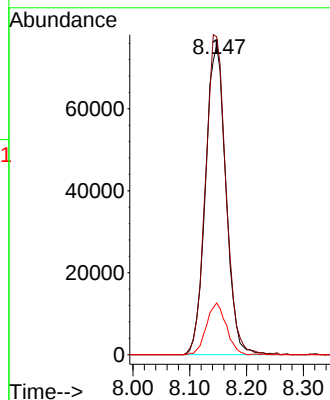
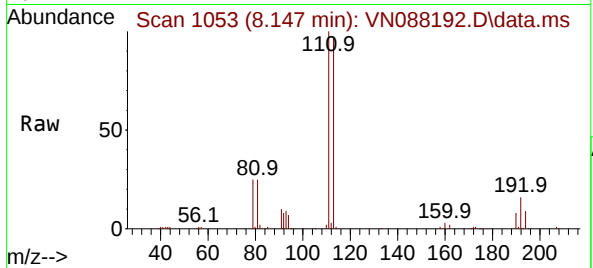




#35
Dibromofluoromethane
Concen: 48.917 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

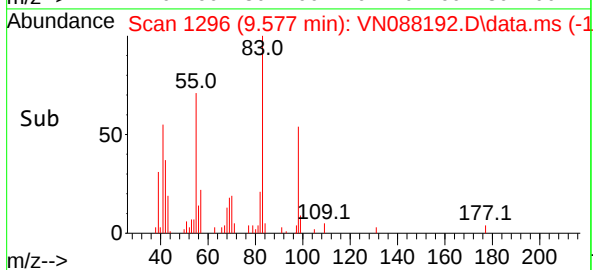
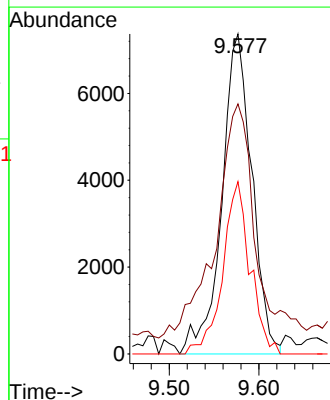
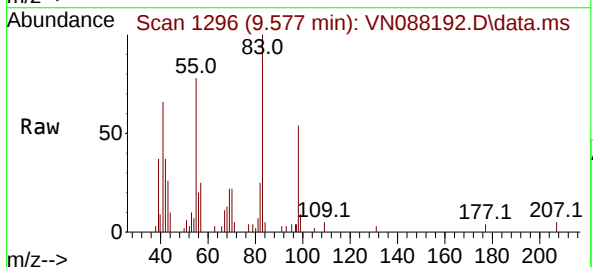
Instrument :
MSVOA_N
ClientSampleId :
324

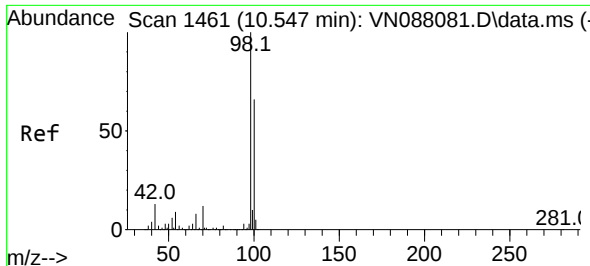
Tgt Ion:113 Resp: 188043
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 16.2 12.8 19.2



#39
Methylcyclohexane
Concen: 2.378 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

Tgt Ion: 83 Resp: 17155
Ion Ratio Lower Upper
83 100
55 68.4 64.6 96.8
98 53.9 38.4 57.6

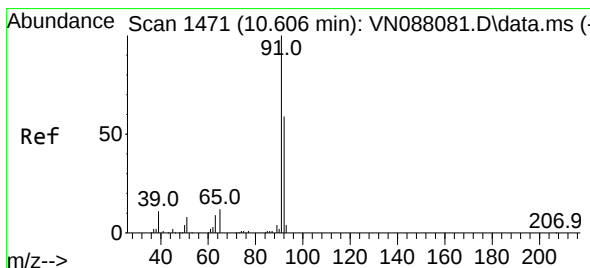
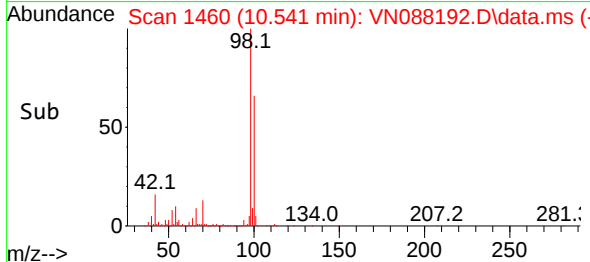
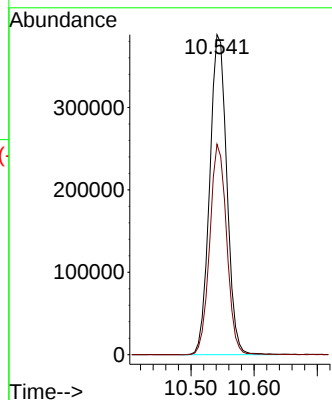
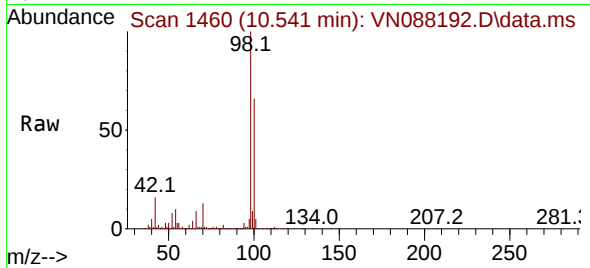




#50
Toluene-d8
Concen: 49.411 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

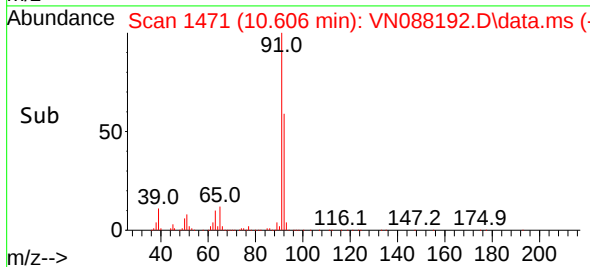
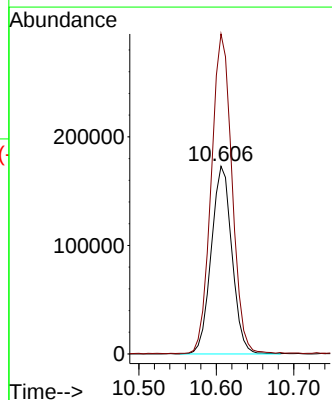
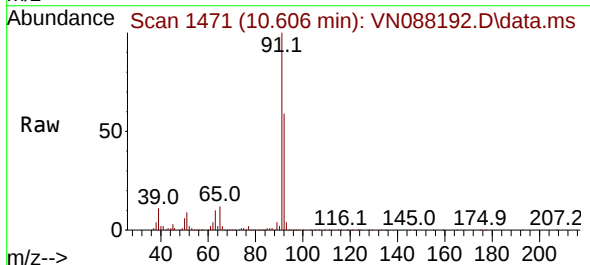
Instrument :
MSVOA_N
ClientSampleId :
324

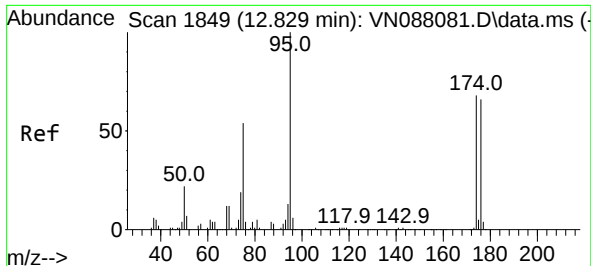
Tgt Ion: 98 Resp: 731879
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#52
Toluene
Concen: 30.407 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

Tgt Ion: 92 Resp: 320462
Ion Ratio Lower Upper
92 100
91 171.0 140.4 210.6

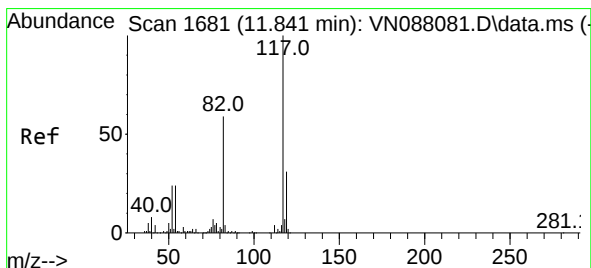
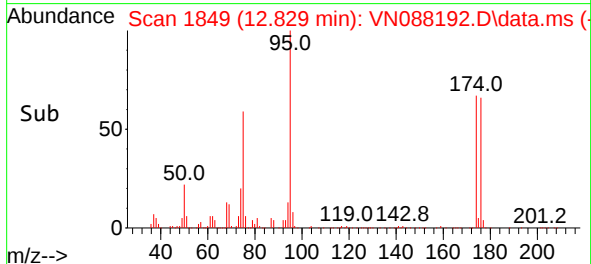
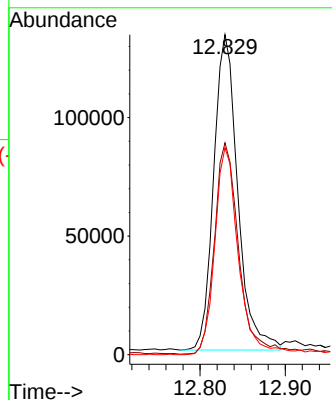
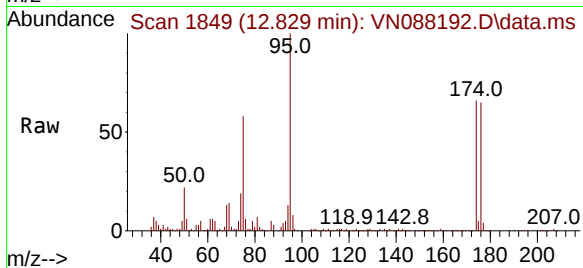




#62
4-Bromofluorobenzene
Concen: 50.032 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

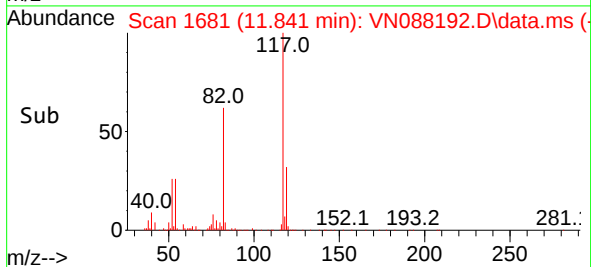
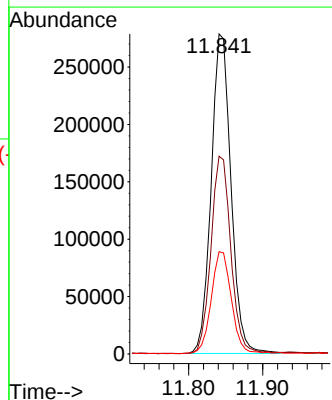
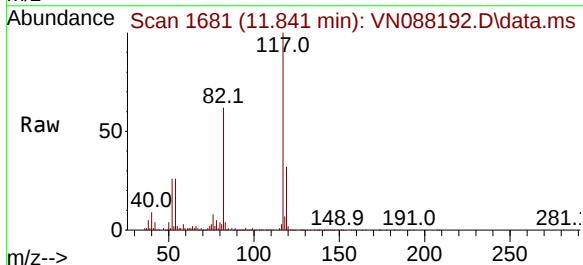
Instrument :
MSVOA_N
ClientSampleId :
324

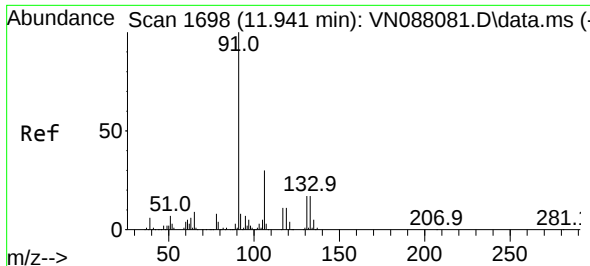
Tgt Ion: 95 Resp: 261719
Ion Ratio Lower Upper
95 100
174 68.2 0.0 138.4
176 66.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

Tgt Ion: 117 Resp: 516065
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 31.9 24.3 36.5





#67

Ethyl Benzene

Concen: 61.019 ug/l

RT: 11.941 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088192.D

Acq: 31 Oct 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

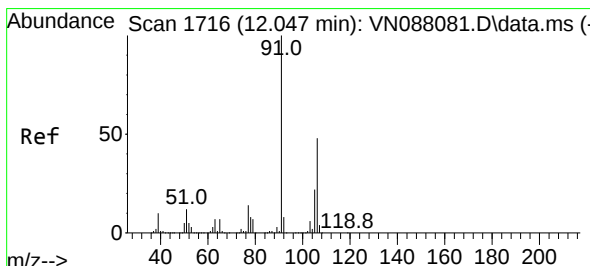
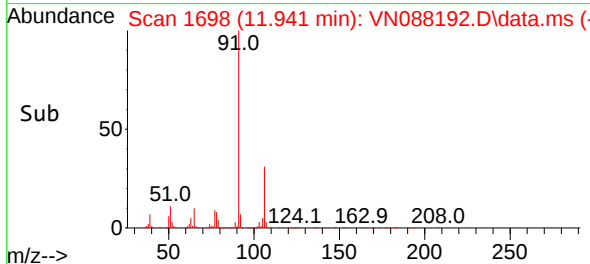
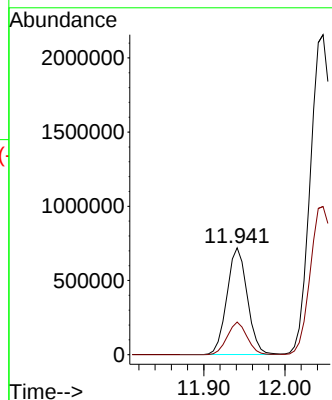
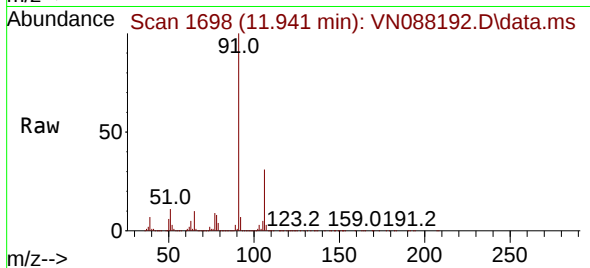
324

Tgt Ion: 91 Resp: 1255109

Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



#68

m/p-Xylenes

Concen: 262.180 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN088192.D

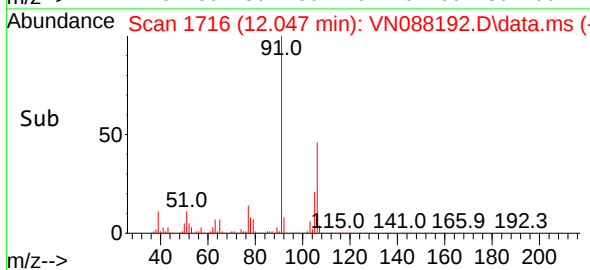
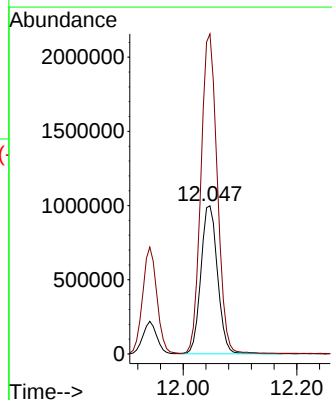
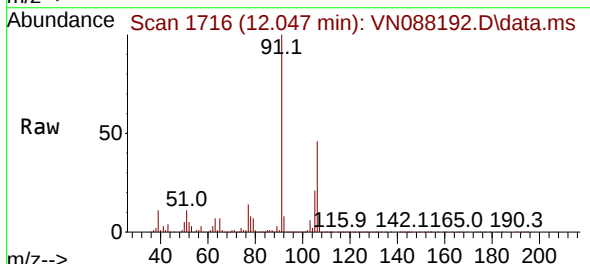
Acq: 31 Oct 2025 16:26

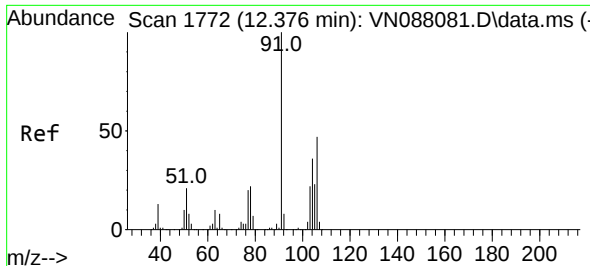
Tgt Ion:106 Resp: 2020589

Ion Ratio Lower Upper

106 100

91 212.8 169.3 253.9

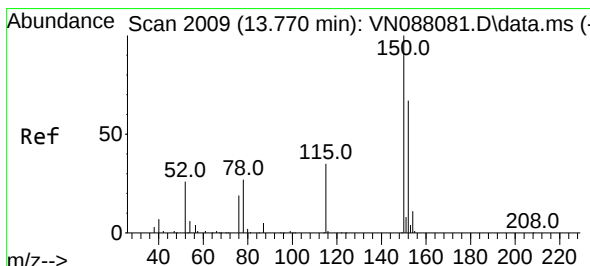
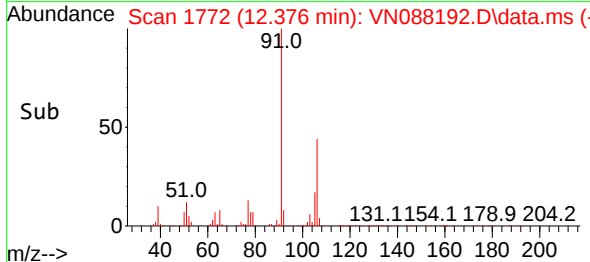
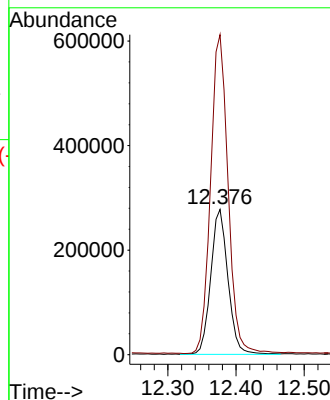
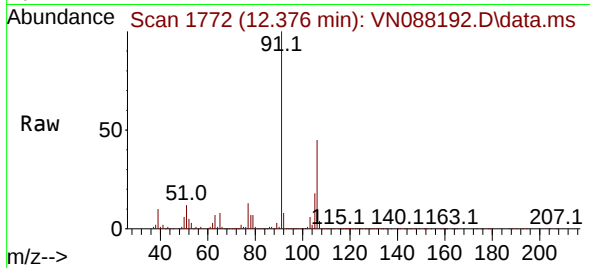




#69
o-Xylene
Concen: 66.604 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

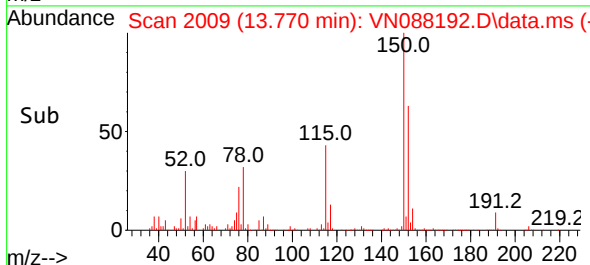
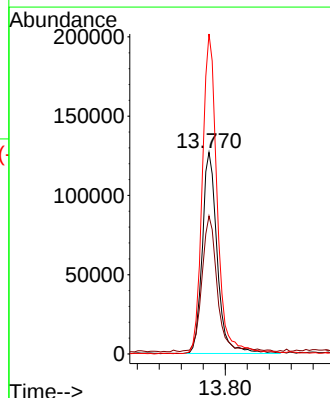
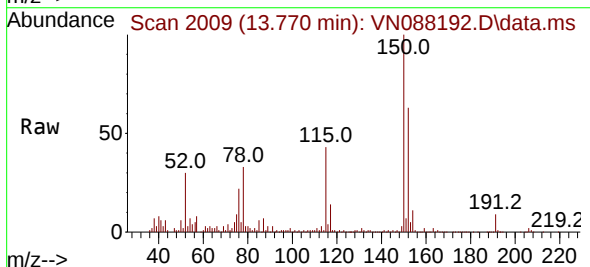
Instrument :
MSVOA_N
ClientSampleId :
324

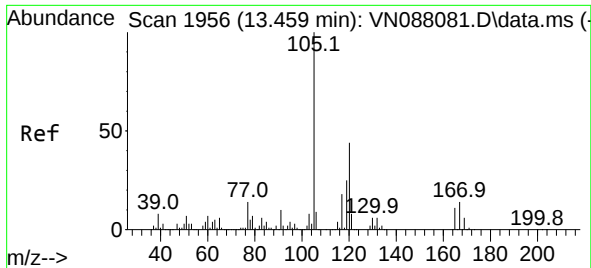
Tgt Ion:106 Resp: 486600
Ion Ratio Lower Upper
106 100
91 223.8 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088192.D
Acq: 31 Oct 2025 16:26

Tgt Ion:152 Resp: 239834
Ion Ratio Lower Upper
152 100
115 68.7 32.3 96.8
150 157.0 0.0 351.0





#84
 1,2,4-Trimethylbenzene
 Concen: 2.688 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN088192.D
 Acq: 31 Oct 2025 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 324

Tgt Ion:105 Resp: 41317
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.0 66.0

