

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087644.D
 Acq On : 22 Aug 2025 16:08
 Operator : JC\MD
 Sample : Q2940-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP(1-6)

Quant Time: Aug 25 01:22:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

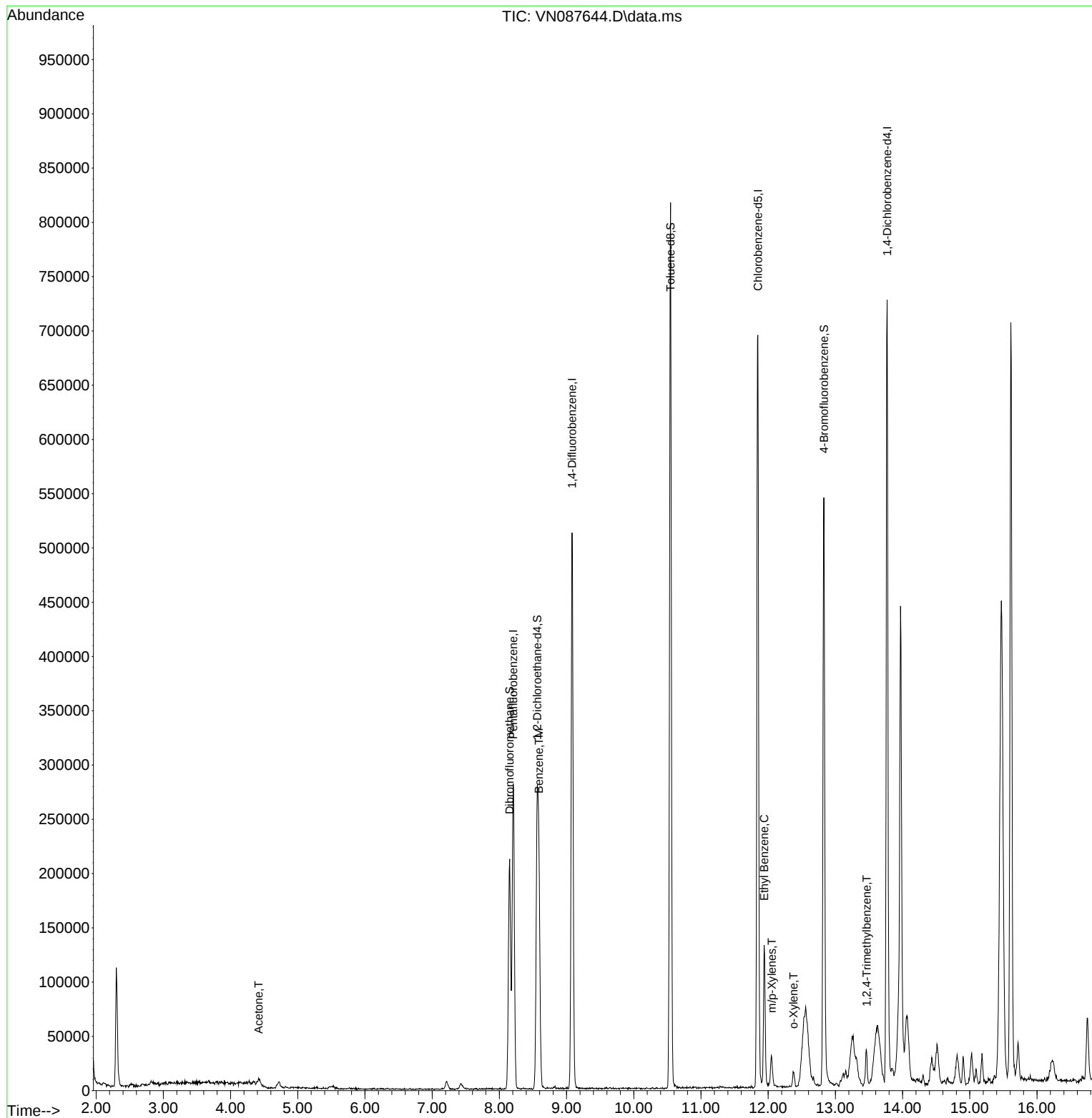
Internal Standards						
1) Pentafluorobenzene	8.206	168	190152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	420345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	382873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	185066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	197052	50.578	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.160%		
35) Dibromofluoromethane	8.153	113	149076	49.121	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.240%		
50) Toluene-d8	10.547	98	535285	47.124	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 94.240%		
62) 4-Bromofluorobenzene	12.829	95	190701	47.208	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.420%		
Target Compounds						
						Qvalue
16) Acetone	4.418	43	8684	4.095	ug/l	95
40) Benzene	8.588	78	174319	12.207	ug/l	97
67) Ethyl Benzene	11.941	91	96194	5.833	ug/l	99
68) m/p-Xylenes	12.053	106	9417	1.557	ug/l	98
69) o-Xylene	12.376	106	4169	0.703	ug/l	94
84) 1,2,4-Trimethylbenzene	13.464	105	19727	1.553	ug/l	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

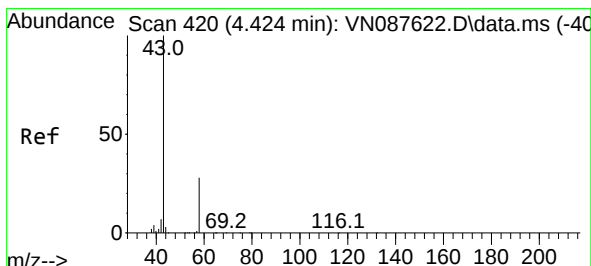
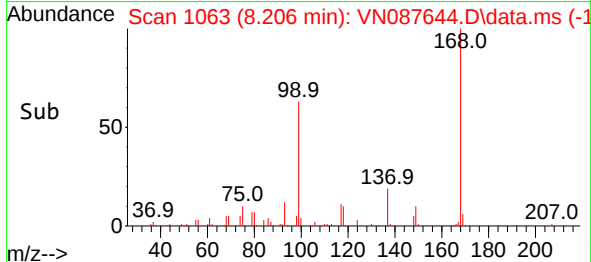
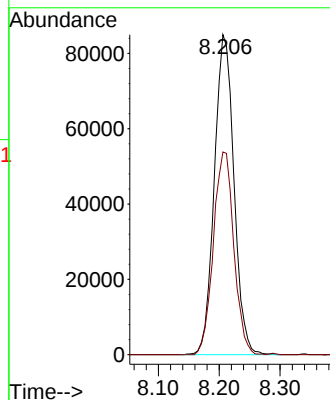
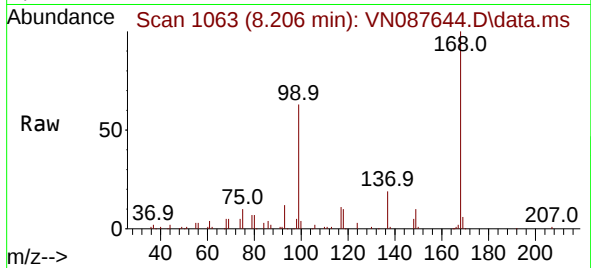




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

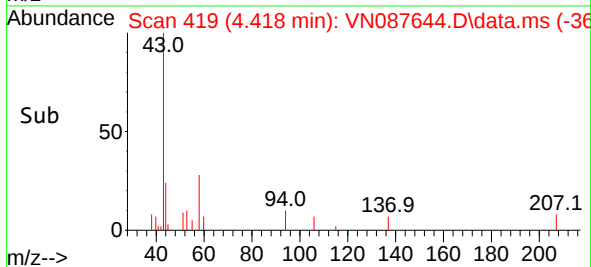
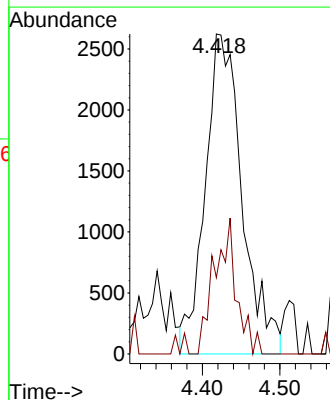
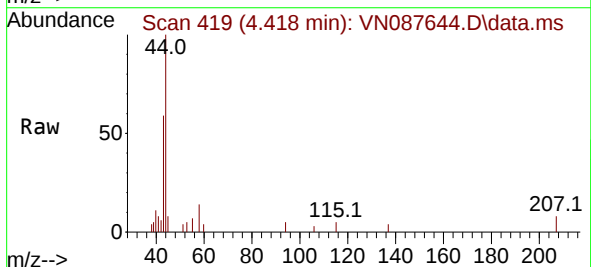
Instrument :
MSVOA_N
ClientSampleId :
COMP(1-6)

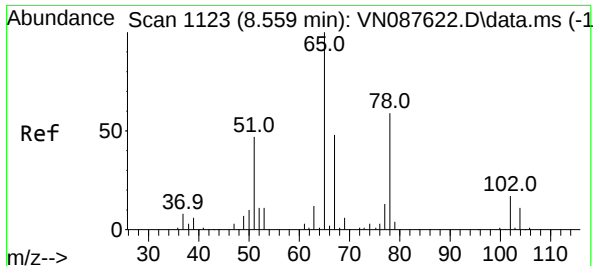
Tgt Ion:168 Resp: 190152
Ion Ratio Lower Upper
168 100
99 63.4 57.2 85.8



#16
Acetone
Concen: 4.095 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

Tgt Ion: 43 Resp: 8684
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8





#33

1,2-Dichloroethane-d4

Concen: 50.578 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087644.D

Acq: 22 Aug 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

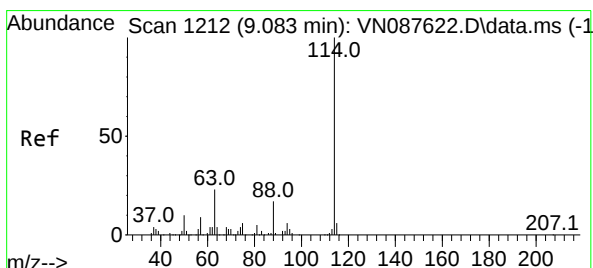
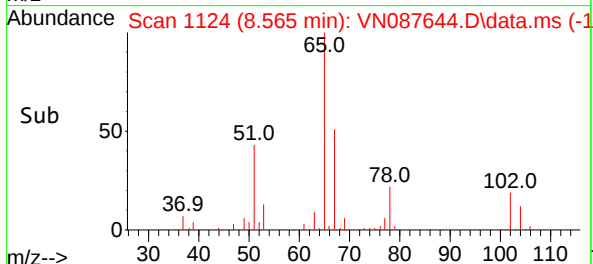
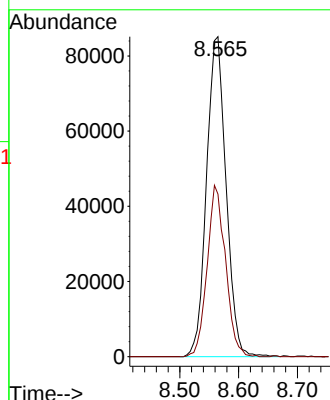
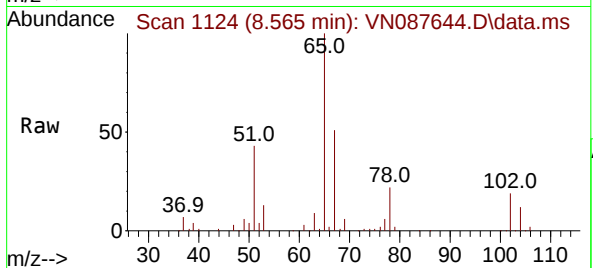
COMP(1-6)

Tgt Ion: 65 Resp: 197052

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087644.D

Acq: 22 Aug 2025 16:08

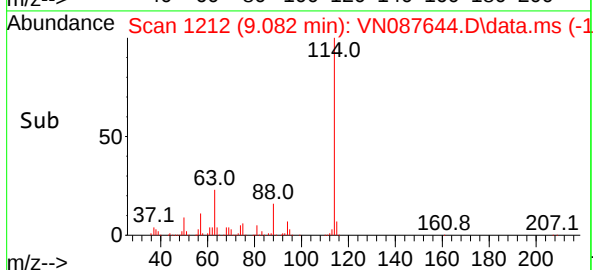
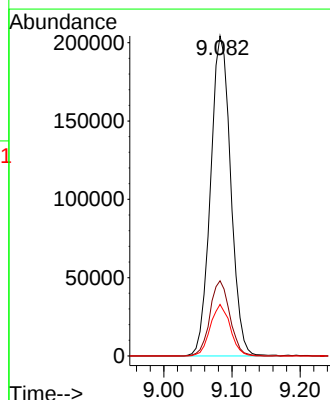
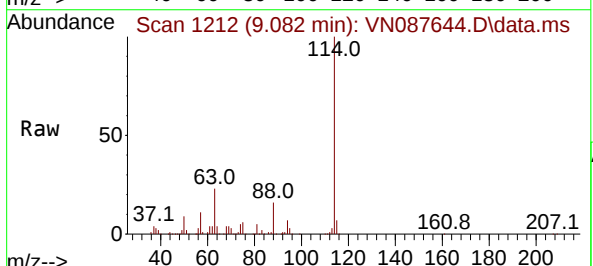
Tgt Ion: 114 Resp: 420345

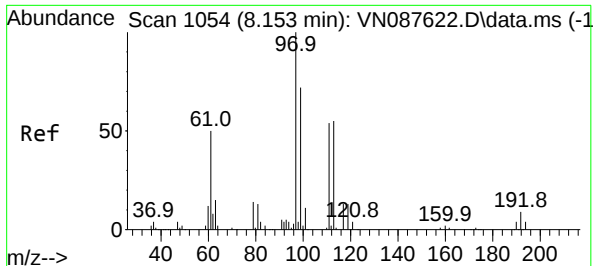
Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.2

88 16.1 0.0 33.4

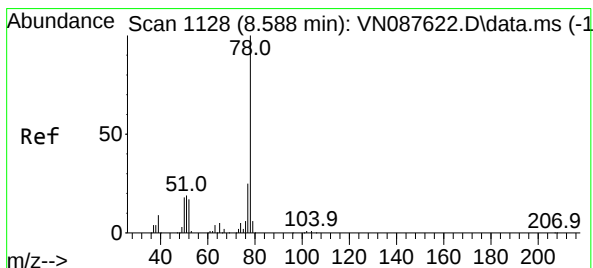
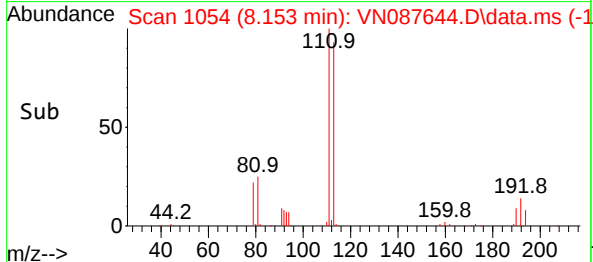
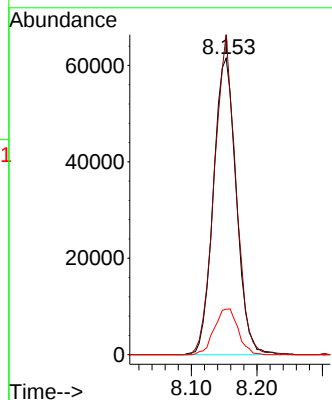
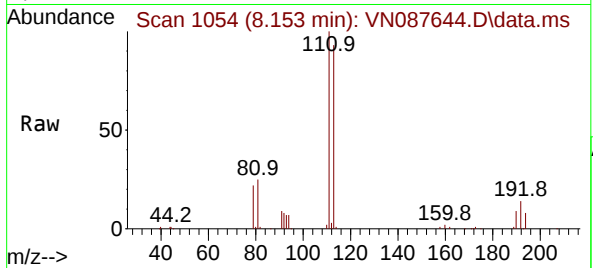




#35
Dibromofluoromethane
Concen: 49.121 ug/l
RT: 8.153 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

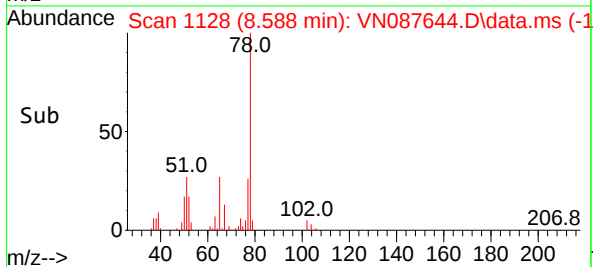
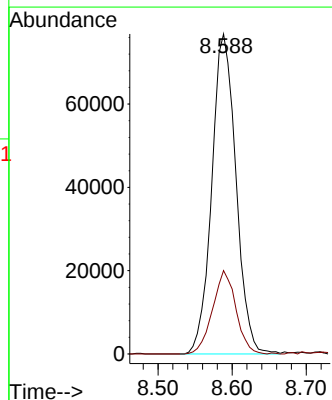
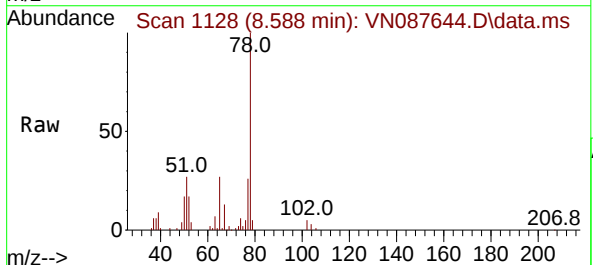
Instrument :
MSVOA_N
ClientSampleId :
COMP(1-6)

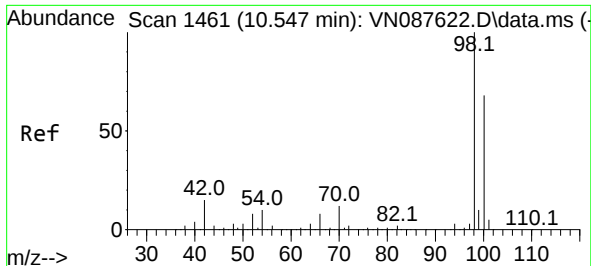
Tgt Ion:113 Resp: 149076
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 16.0 12.8 19.2



#40
Benzene
Concen: 12.207 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

Tgt Ion: 78 Resp: 174319
Ion Ratio Lower Upper
78 100
77 26.1 19.7 29.5

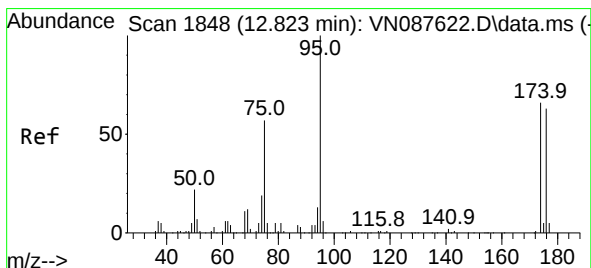
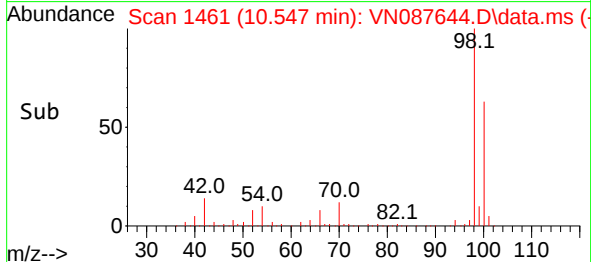
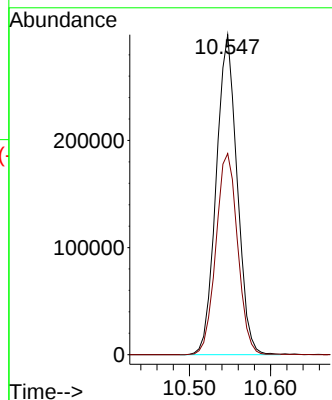
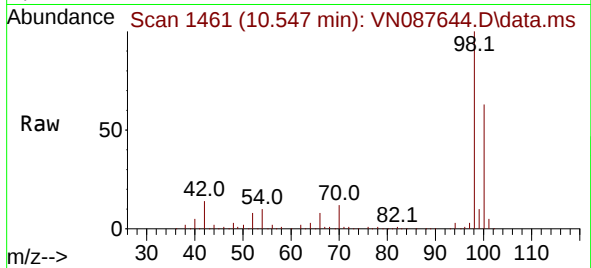




#50
Toluene-d8
Concen: 47.124 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

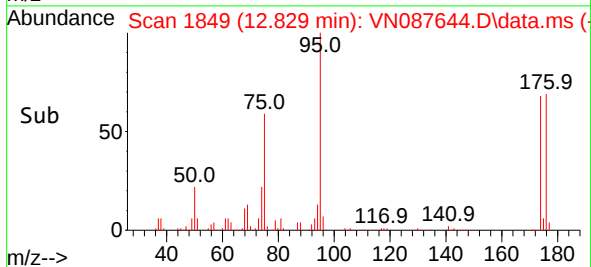
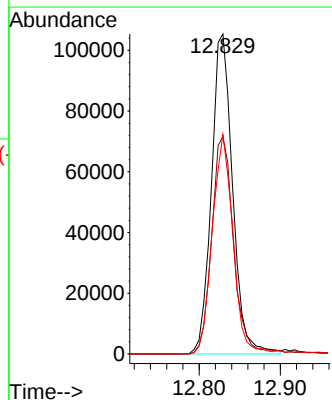
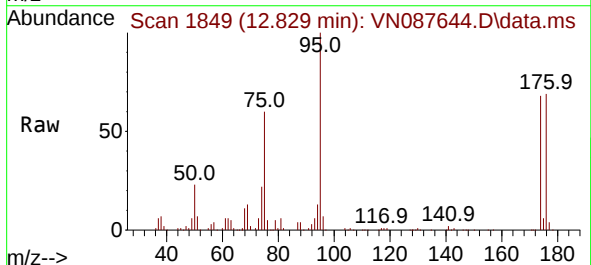
Instrument :
MSVOA_N
ClientSampleId :
COMP(1-6)

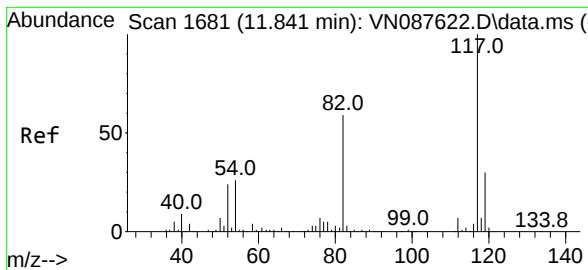
Tgt Ion: 98 Resp: 535285
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.208 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

Tgt Ion: 95 Resp: 190701
Ion Ratio Lower Upper
95 100
174 70.5 0.0 138.4
176 67.4 0.0 132.6

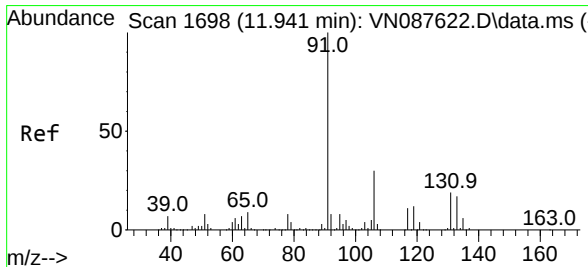
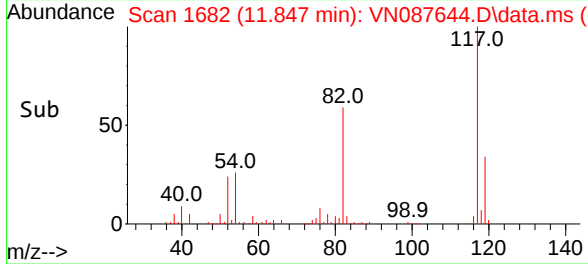
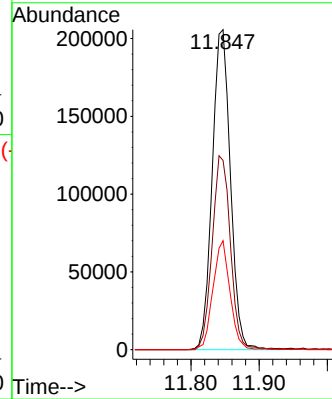
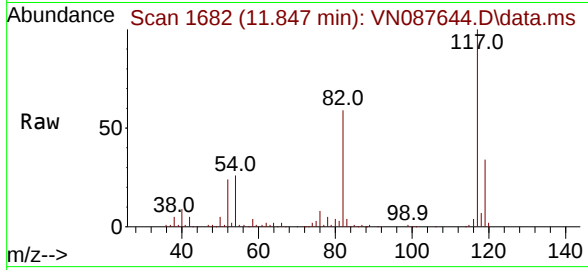




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

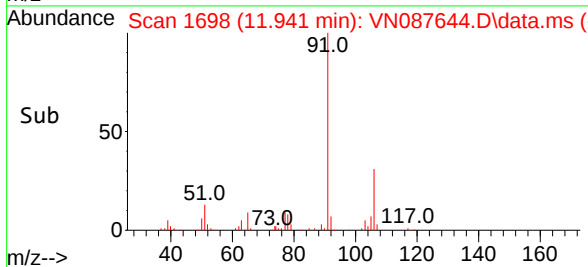
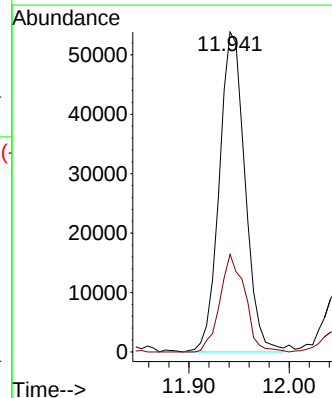
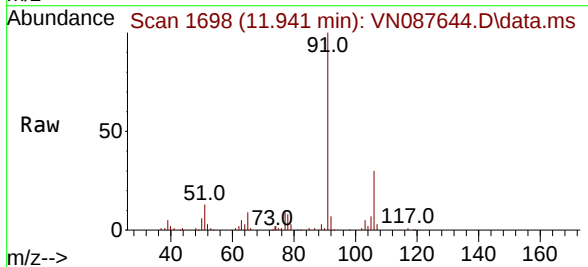
Instrument :
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COMP(1-6)

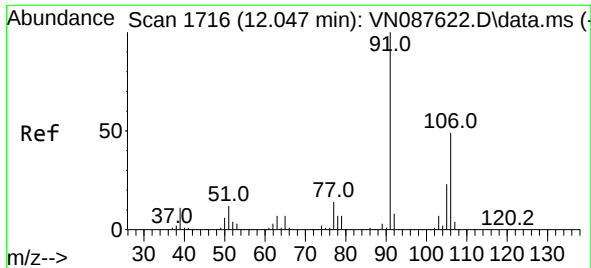
Tgt Ion:117 Resp: 382873
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 34.1 24.3 36.5



#67
Ethyl Benzene
Concen: 5.833 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

Tgt Ion: 91 Resp: 96194
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

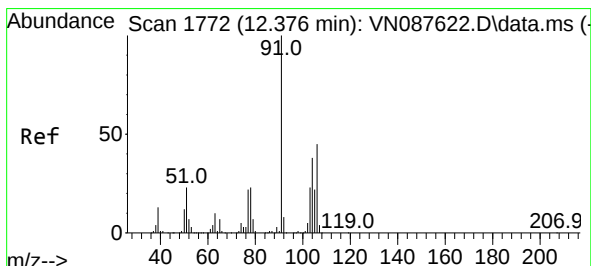
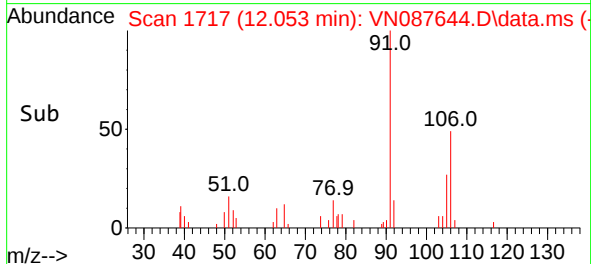
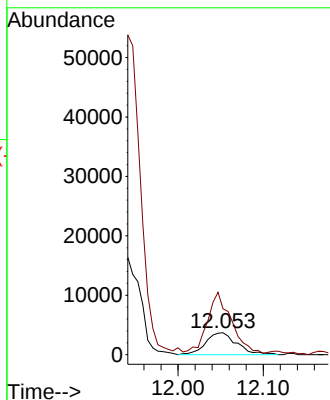
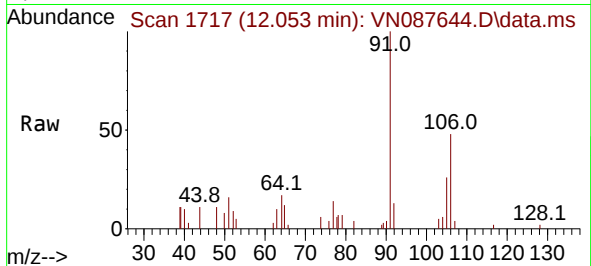




#68
m/p-Xylenes
Concen: 1.557 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

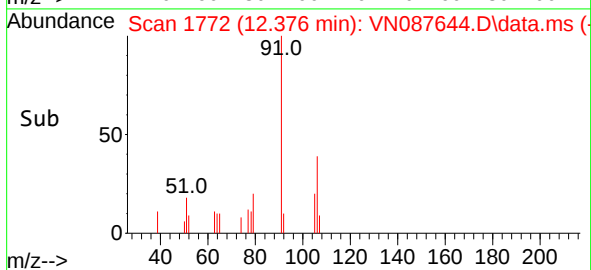
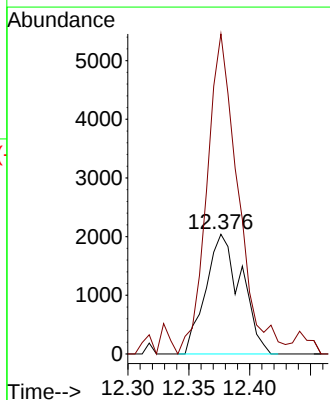
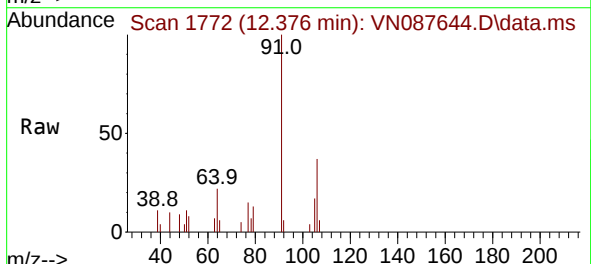
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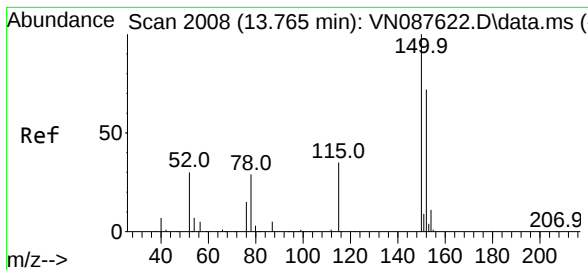
Tgt Ion:106 Resp: 9417
Ion Ratio Lower Upper
106 100
91 214.8 169.3 253.9



#69
o-Xylene
Concen: 0.703 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087644.D
Acq: 22 Aug 2025 16:08

Tgt Ion:106 Resp: 4169
Ion Ratio Lower Upper
106 100
91 233.1 111.4 334.2

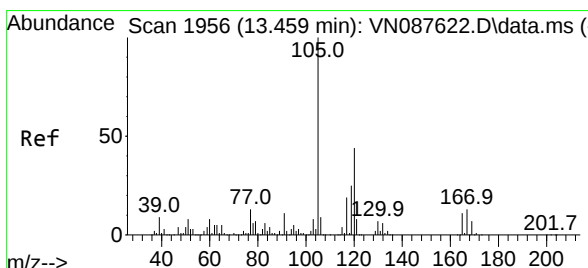
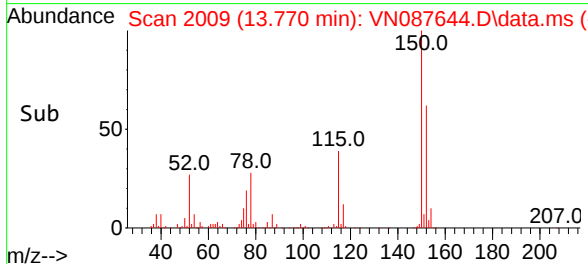
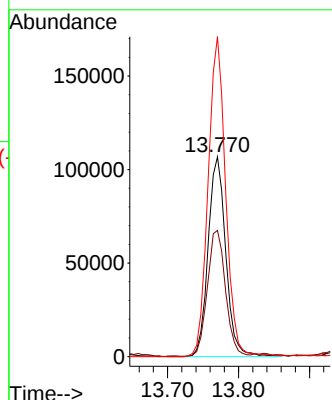
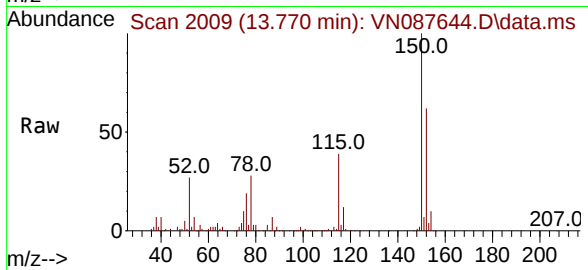




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2008
 Delta R.T. 0.006 min
 Lab File: VN087644.D
 Acq: 22 Aug 2025 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP(1-6)

Tgt Ion:152 Resp: 185066
 Ion Ratio Lower Upper
 152 100
 115 64.5 32.3 96.8
 150 158.3 0.0 351.0



#84
 1,2,4-Trimethylbenzene
 Concen: 1.553 ug/l
 RT: 13.464 min Scan# 1957
 Delta R.T. 0.006 min
 Lab File: VN087644.D
 Acq: 22 Aug 2025 16:08

Tgt Ion:105 Resp: 19727
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.0 66.0

