

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086310.D
 Acq On : 16 Apr 2025 20:28
 Operator : JC\MD
 Sample : Q1791-12 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 V1207

Quant Time: Apr 17 03:09:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

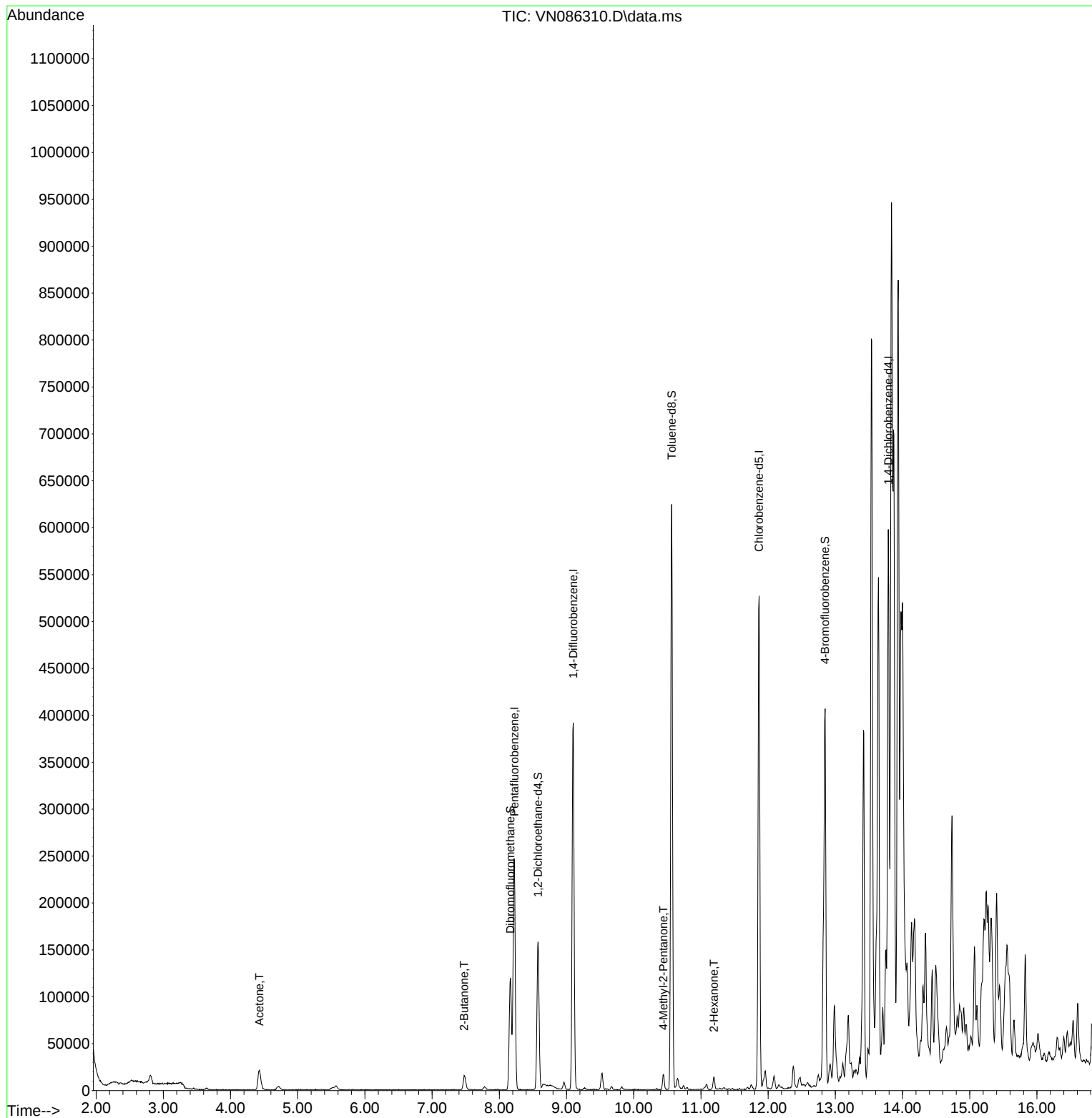
Internal Standards						
1) Pentafluorobenzene	8.224	168	183541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130443	49.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.020%			
35) Dibromofluoromethane	8.165	113	90027	55.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.000%			
50) Toluene-d8	10.565	98	437640	50.932	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	12.847	95	151851	48.451	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.900%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	42788	41.745	ug/l	96
25) 2-Butanone	7.477	43	26445	15.963	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	12546	3.624	ug/l	93
59) 2-Hexanone	11.194	43	9712	3.782	ug/l	90

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

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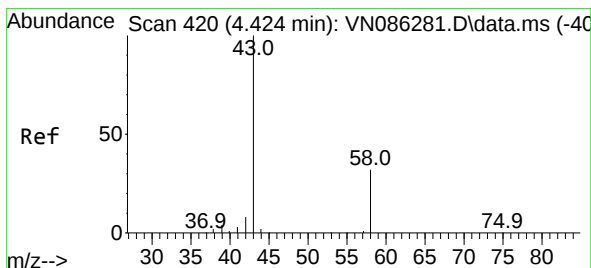
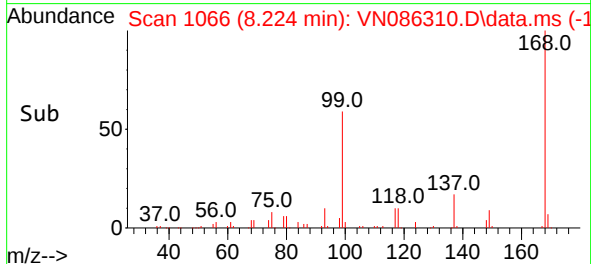
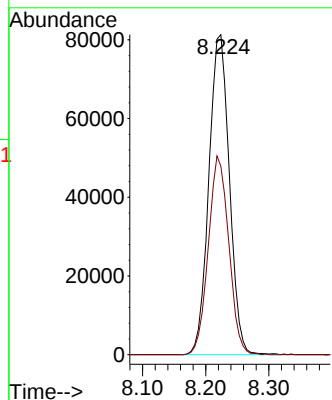
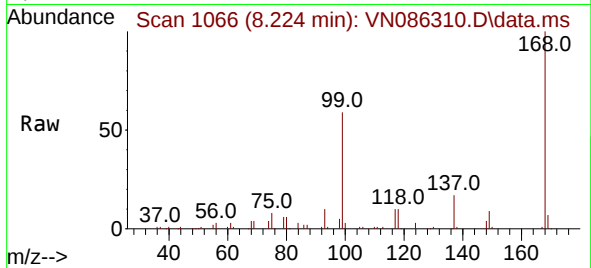




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

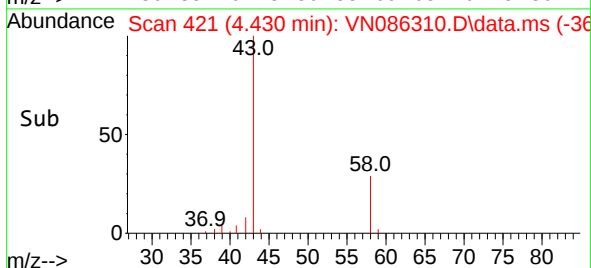
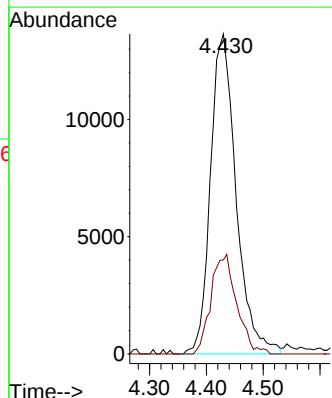
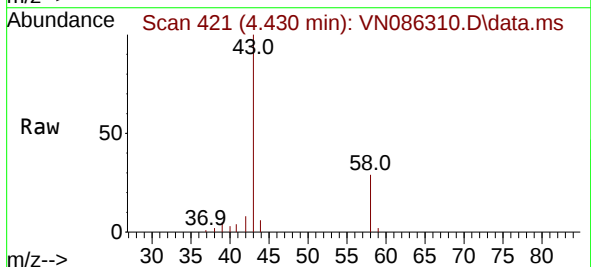
Instrument :
MSVOA_N
ClientSampleId :
V1207

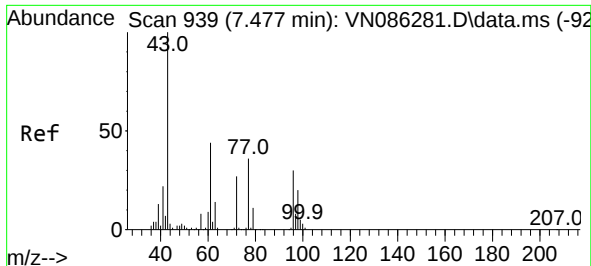
Tgt Ion:168 Resp: 183541
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#16
Acetone
Concen: 41.745 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 43 Resp: 42788
Ion Ratio Lower Upper
43 100
58 29.4 25.3 37.9

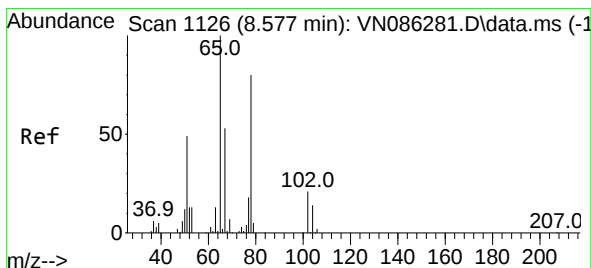
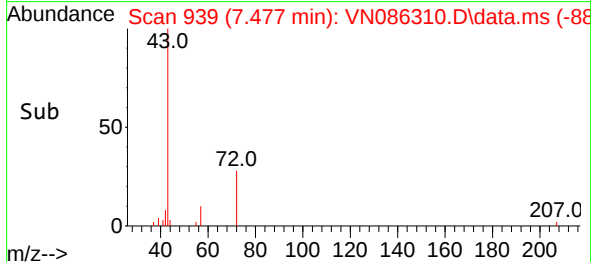
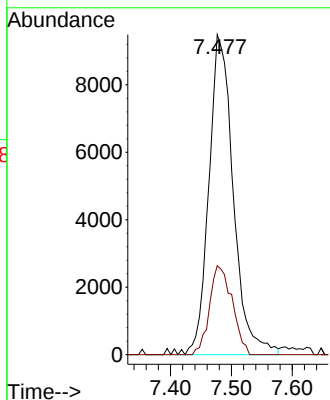
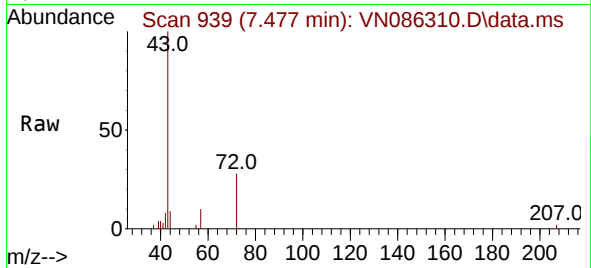




#25
2-Butanone
Concen: 15.963 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

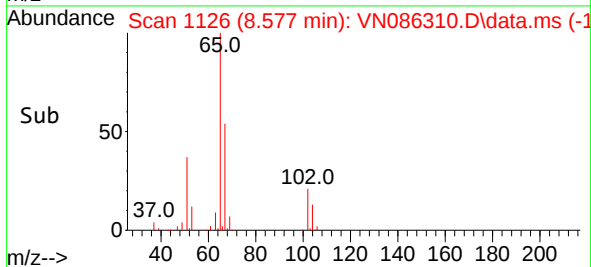
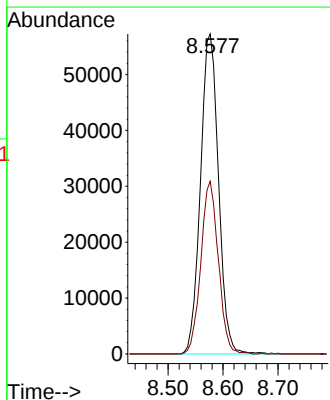
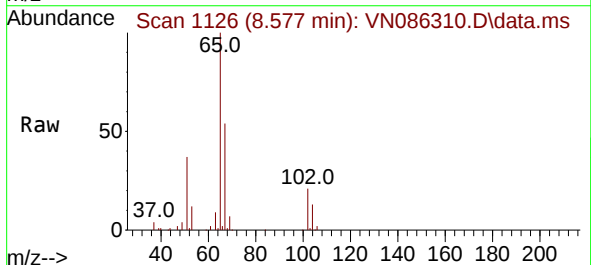
Instrument :
MSVOA_N
ClientSampleId :
V1207

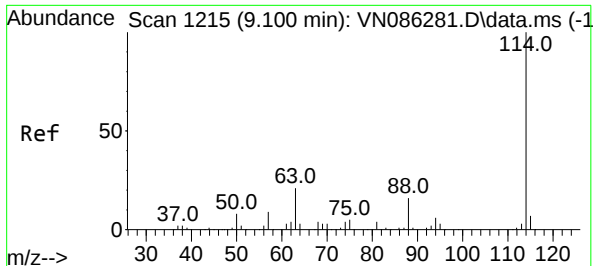
Tgt Ion: 43 Resp: 26445
Ion Ratio Lower Upper
43 100
72 27.8 21.7 32.5



#33
1,2-Dichloroethane-d4
Concen: 49.011 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 65 Resp: 130443
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0

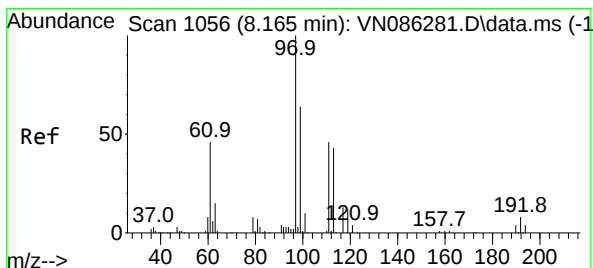
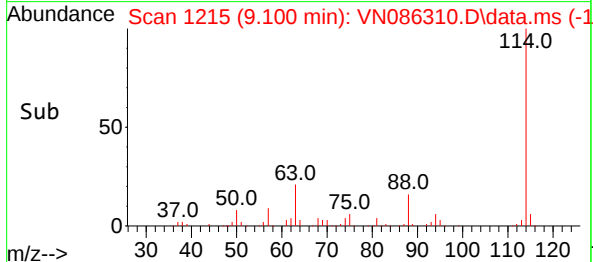
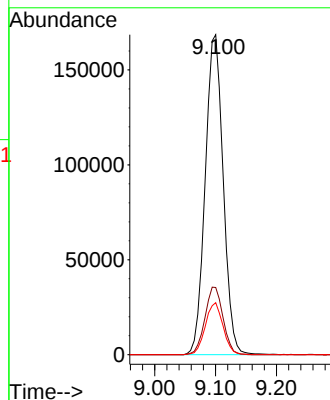
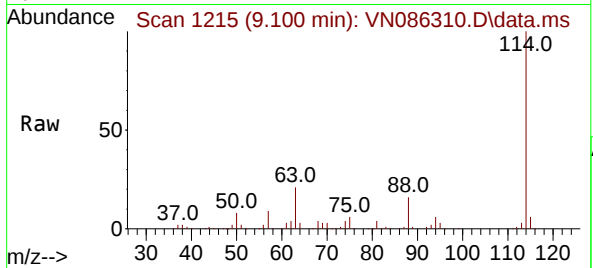




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

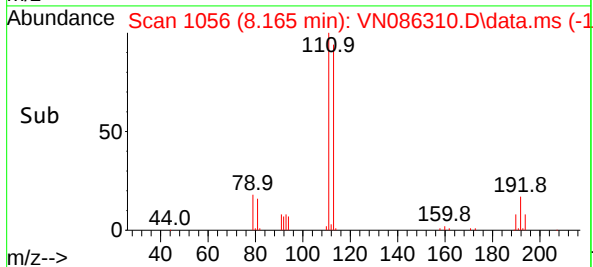
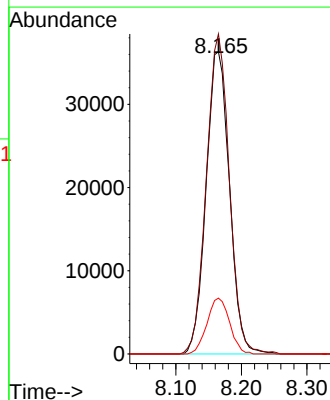
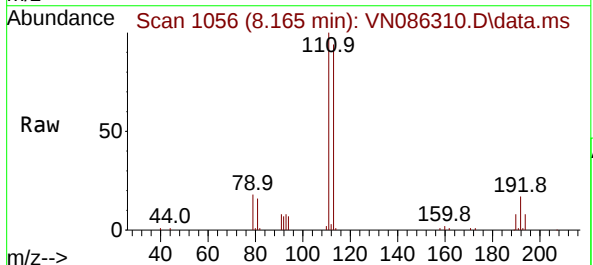
Instrument :
MSVOA_N
ClientSampleId :
V1207

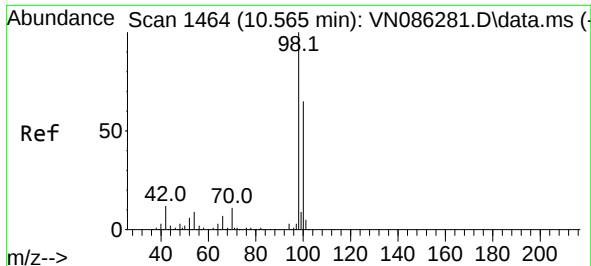
Tgt Ion:114 Resp: 346417
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 16.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.995 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion:113 Resp: 90027
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.0
192 17.8 13.7 20.5

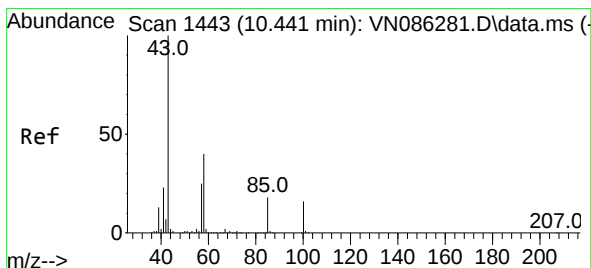
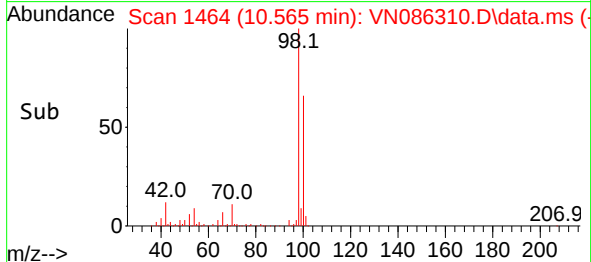
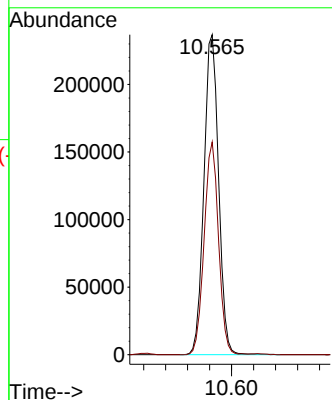
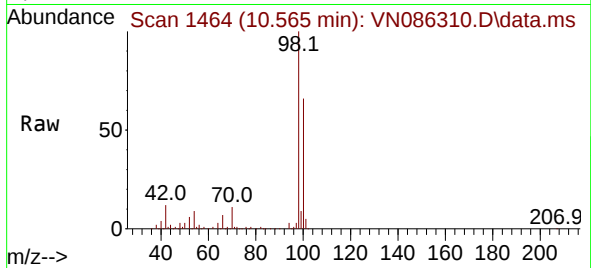




#50
Toluene-d8
Concen: 50.932 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

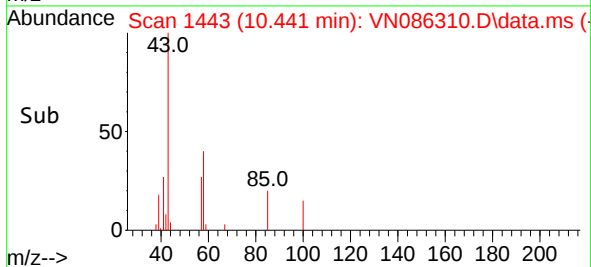
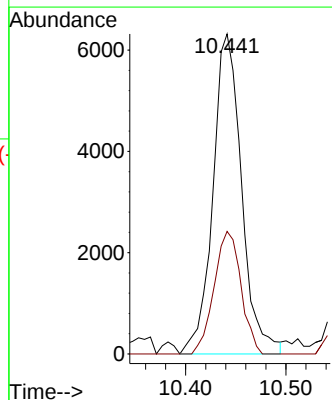
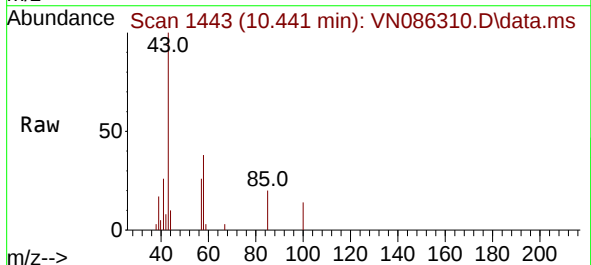
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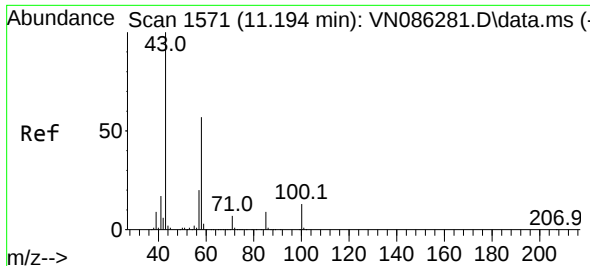
Tgt Ion: 98 Resp: 437640
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.624 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 43 Resp: 12546
Ion Ratio Lower Upper
43 100
58 35.8 32.2 48.4

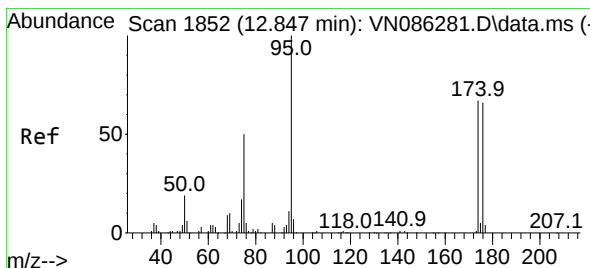
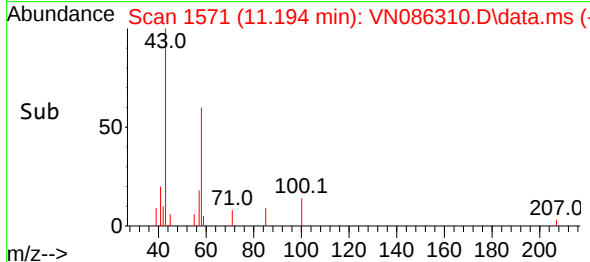
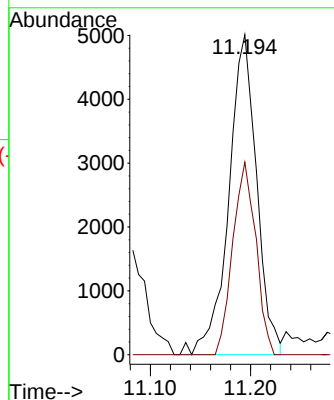
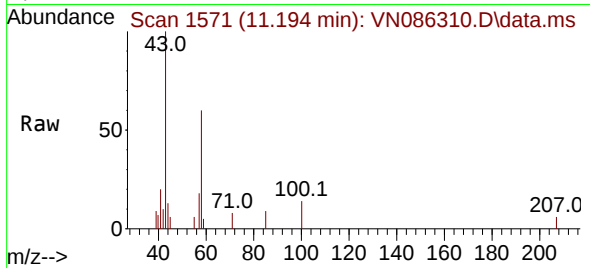




#59
2-Hexanone
Concen: 3.782 ug/l
RT: 11.194 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

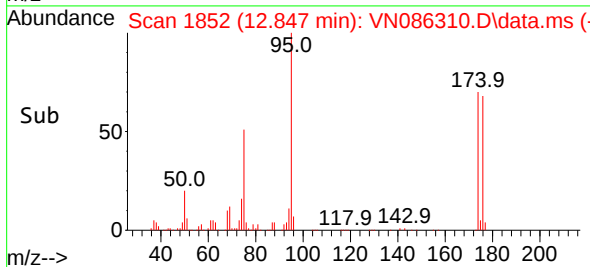
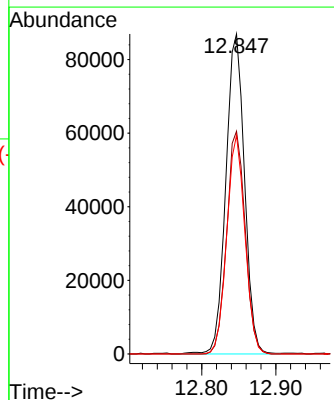
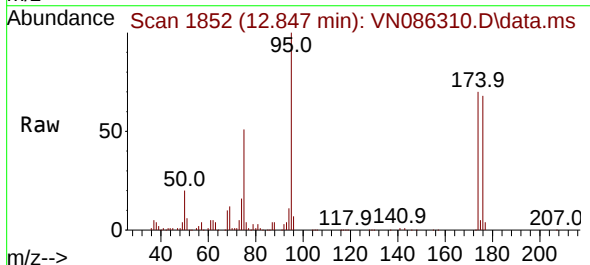
Instrument :
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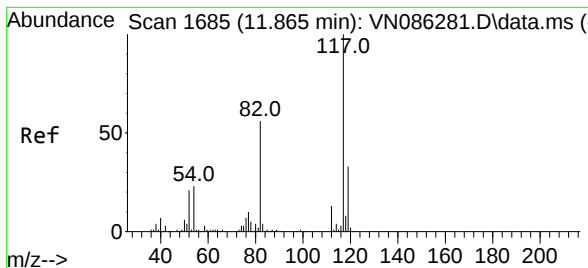
Tgt Ion: 43 Resp: 9712
Ion Ratio Lower Upper
43 100
58 49.7 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 48.451 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 95 Resp: 151851
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 66.4 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Instrument :

MSVOA_N

ClientSampleId :

V1207

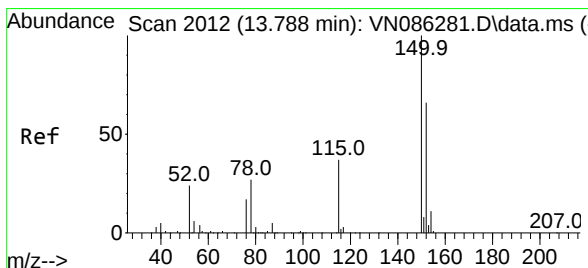
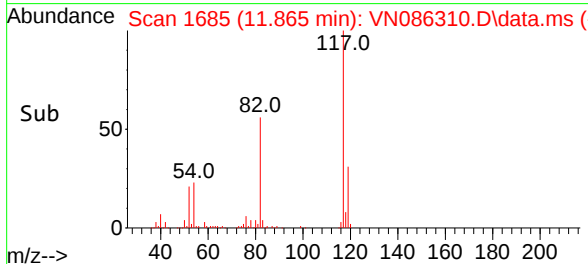
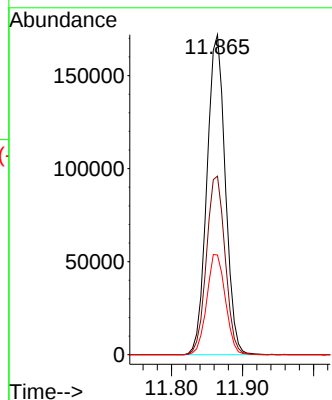
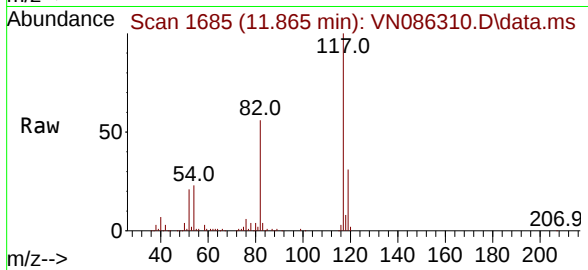
Tgt Ion:117 Resp: 309274

Ion Ratio Lower Upper

117 100

82 55.8 44.7 67.1

119 31.2 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Tgt Ion:152 Resp: 128995

Ion Ratio Lower Upper

152 100

115 62.3 31.9 95.9

150 158.3 0.0 352.0

