

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086985.D
 Acq On : 12 Jun 2025 18:10
 Operator : JC\MD
 Sample : Q2268-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-20250605

Quant Time: Jun 13 01:31:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

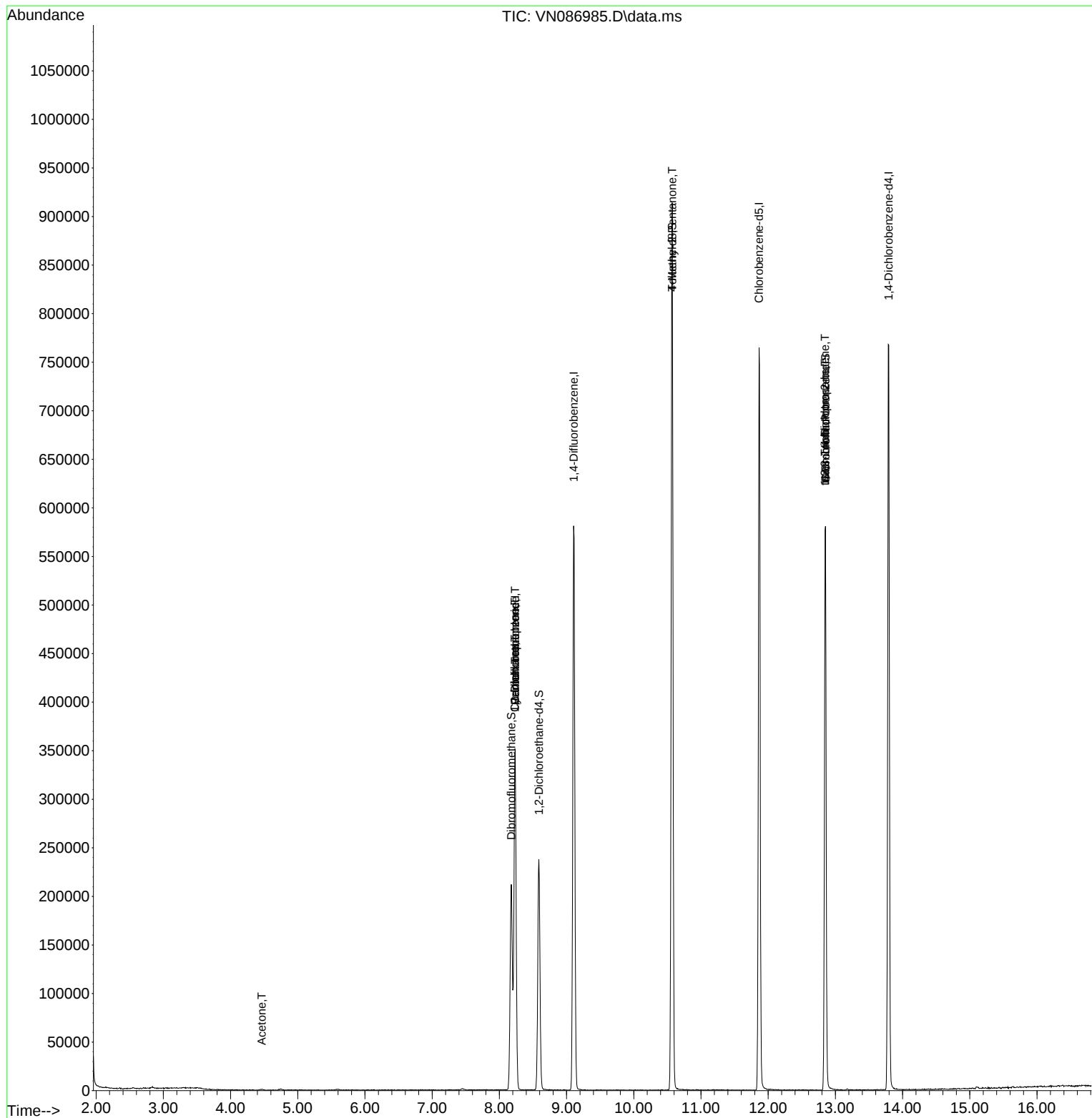
Internal Standards						
1) Pentafluorobenzene	8.235	168	274527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	543078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	482706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	228705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	194567	52.935	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.860%		
35) Dibromofluoromethane	8.177	113	161926	50.312	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.620%		
50) Toluene-d8	10.571	98	660756	51.861	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.720%		
62) 4-Bromofluorobenzene	12.853	95	233413	49.310	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.620%		
Target Compounds						Qvalue
16) Acetone	4.465	43	1700	0.872	ug/l	92
31) Cyclohexane	8.230	56	5429	0.911	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	21905	4.568	ug/l #	49
38) Carbon Tetrachloride	8.235	117	27484	5.837	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2165	0.367	ug/l #	1
71) Bromoform	12.853	173	1162	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	110214	20.273	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110214	46.668	ug/l #	16

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

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MSVOA_N
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FB-20250605

Quant Time: Jun 13 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

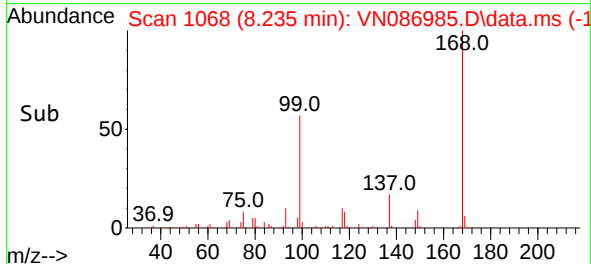
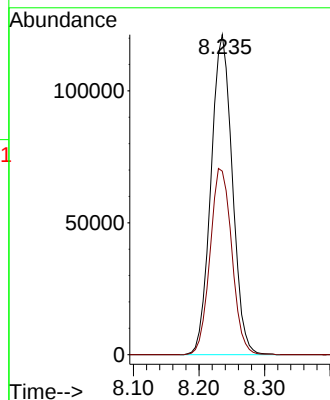
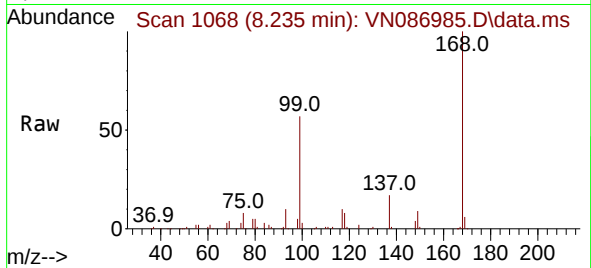




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

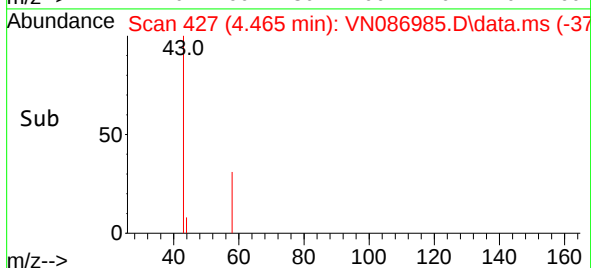
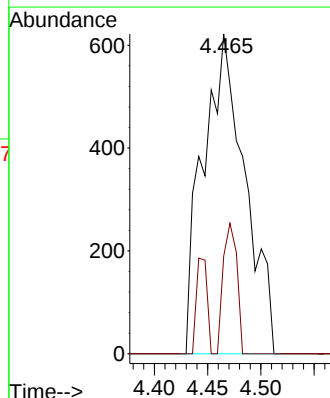
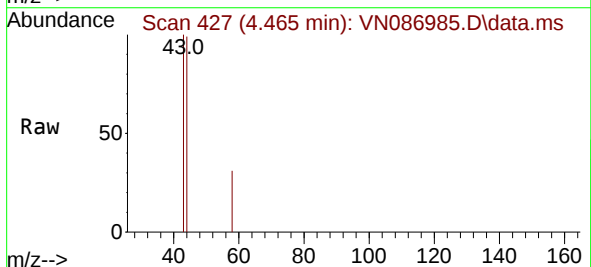
Instrument :
MSVOA_N
ClientSampleId :
FB-20250605

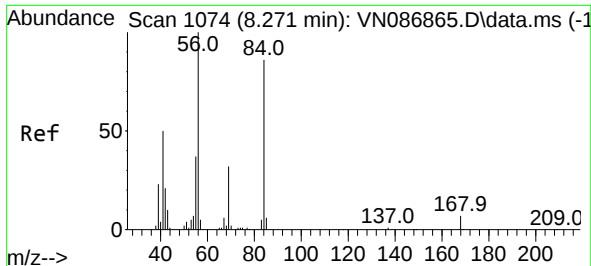
Tgt Ion:168 Resp: 274527
Ion Ratio Lower Upper
168 100
99 57.4 49.1 73.7



#16
Acetone
Concen: 0.872 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.018 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
58 30.5 28.0 42.0

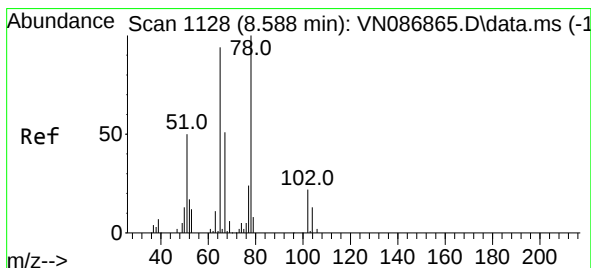
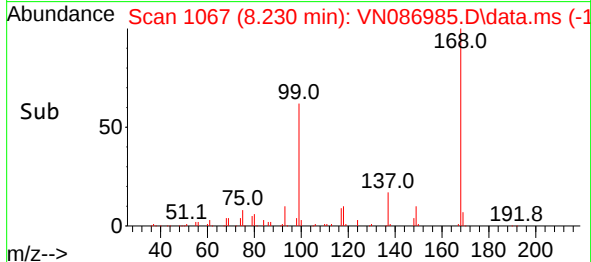
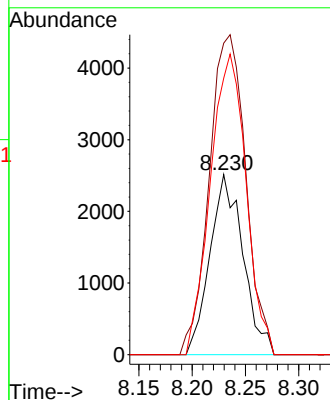
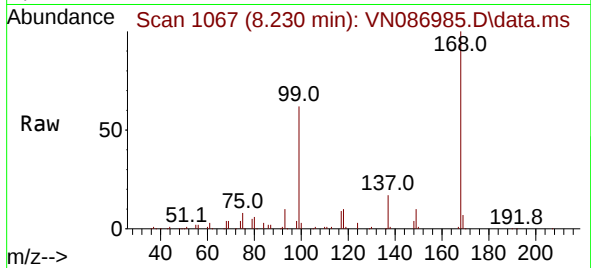




#31
Cyclohexane
Concen: 0.911 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

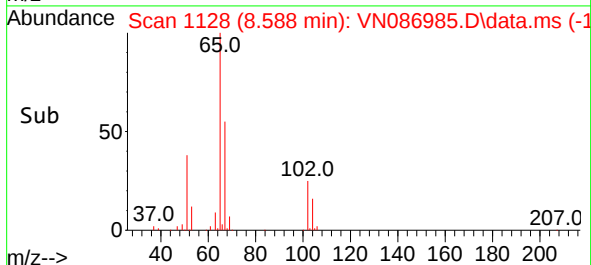
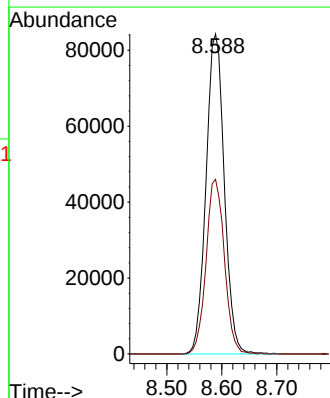
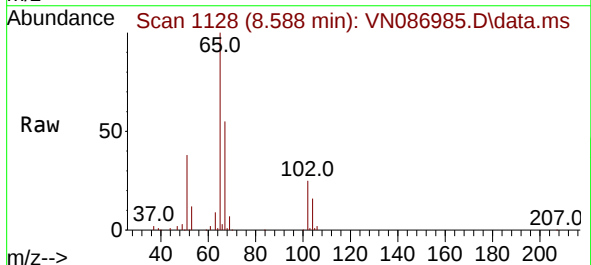
Instrument :
MSVOA_N
ClientSampleId :
FB-20250605

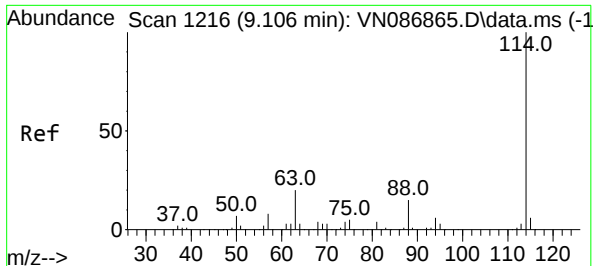
Tgt Ion: 56 Resp: 5429
Ion Ratio Lower Upper
56 100
69 172.9 25.4 38.0#
84 153.5 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.935 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion: 65 Resp: 194567
Ion Ratio Lower Upper
65 100
67 54.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086985.D

Acq: 12 Jun 2025 18:10

Instrument :

MSVOA_N

ClientSampleId :

FB-20250605

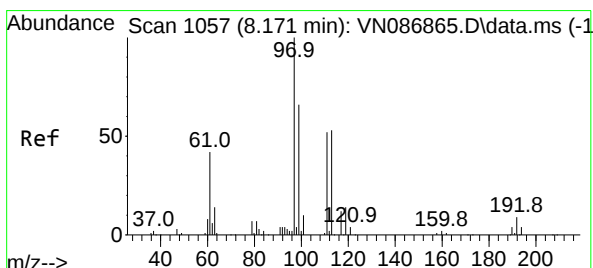
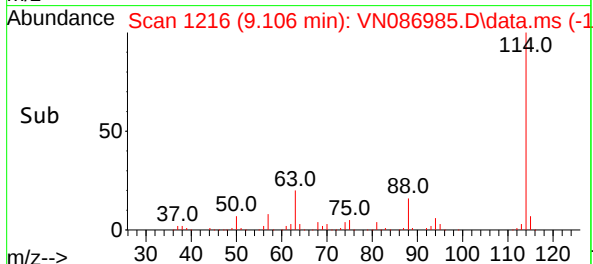
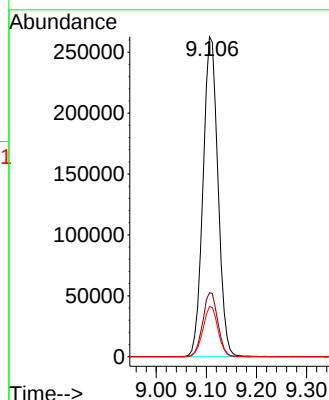
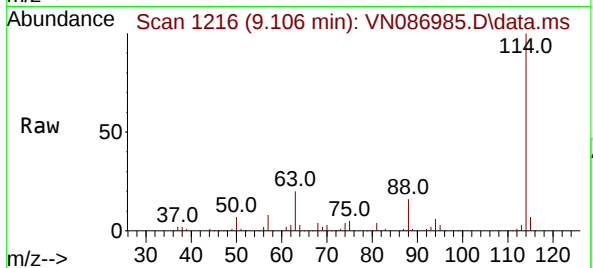
Tgt Ion:114 Resp: 543078

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.312 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086985.D

Acq: 12 Jun 2025 18:10

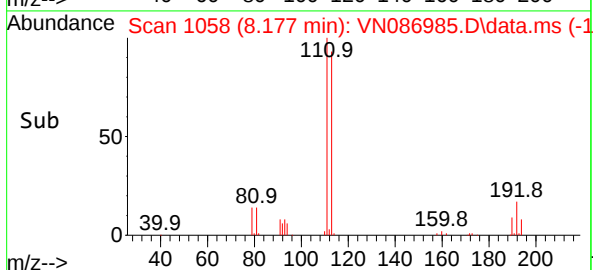
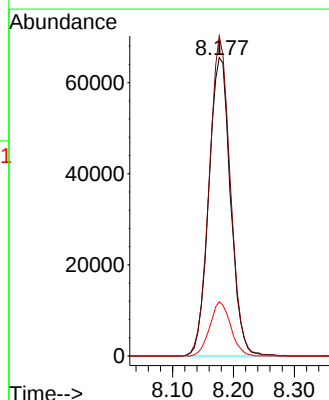
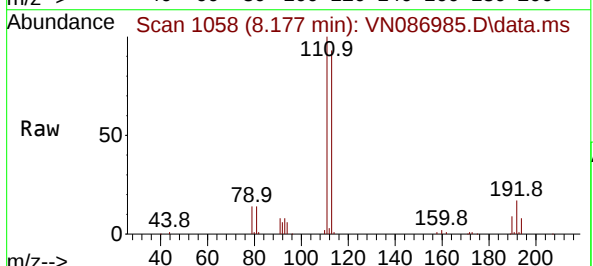
Tgt Ion:113 Resp: 161926

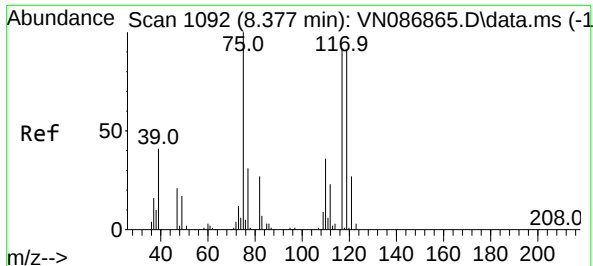
Ion Ratio Lower Upper

113 100

111 104.4 84.2 126.2

192 17.5 14.2 21.4

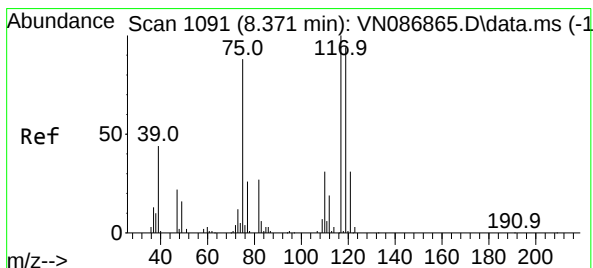
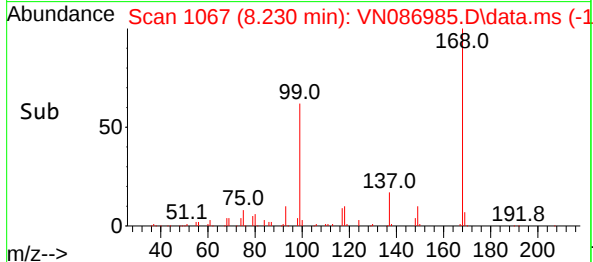
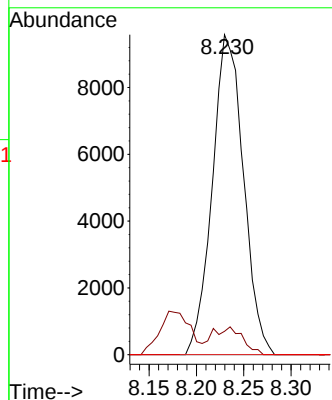
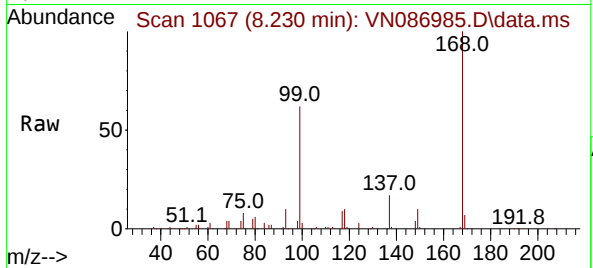




#36
1,1-Dichloropropene
Concen: 4.568 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

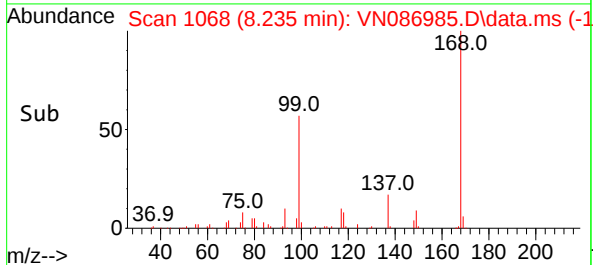
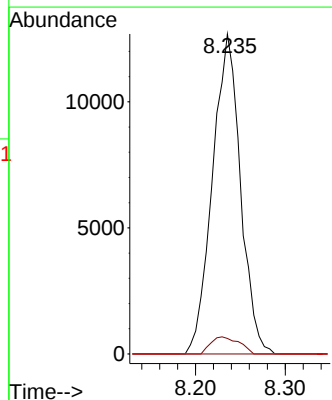
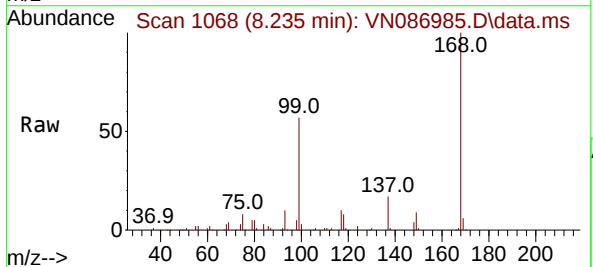
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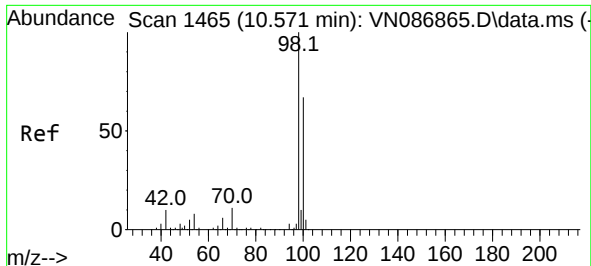
Tgt Ion: 75 Resp: 21905
Ion Ratio Lower Upper
75 100
110 8.4 17.6 52.9#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion: 117 Resp: 27484
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 24.9 37.3#

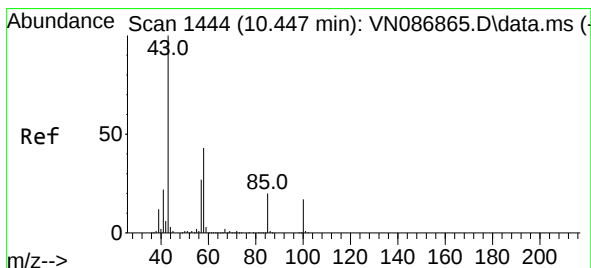
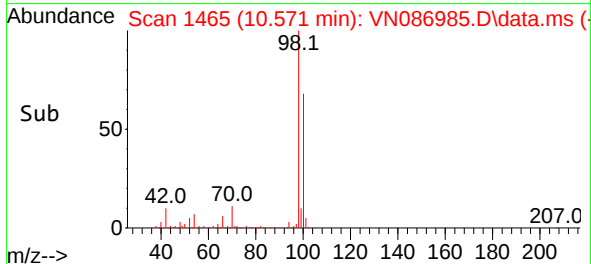
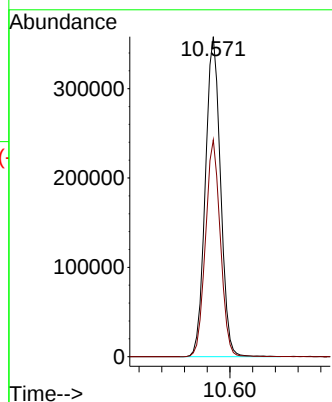
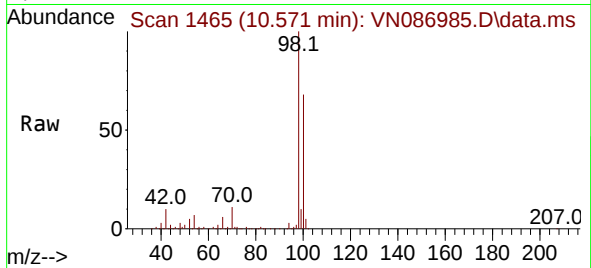




#50
Toluene-d8
Concen: 51.861 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

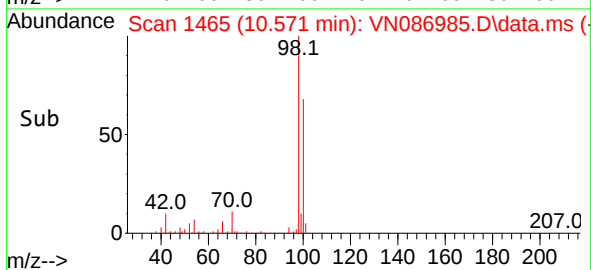
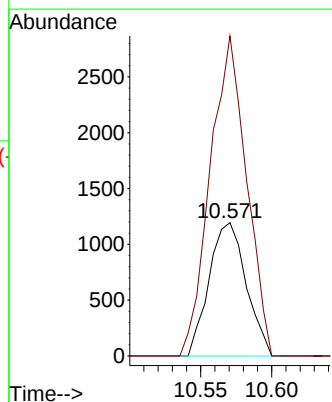
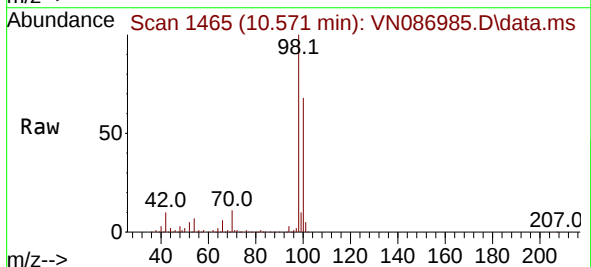
Instrument :
MSVOA_N
ClientSampleId :
FB-20250605

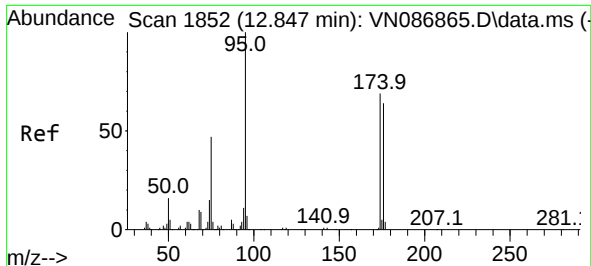
Tgt Ion: 98 Resp: 660756
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
58 236.0 34.2 51.4#

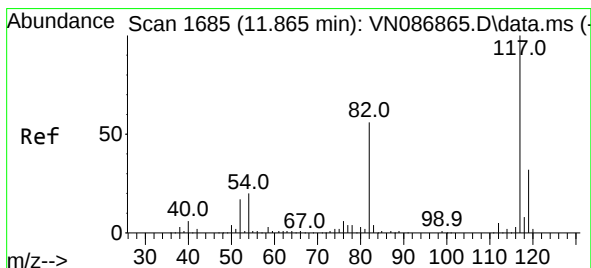
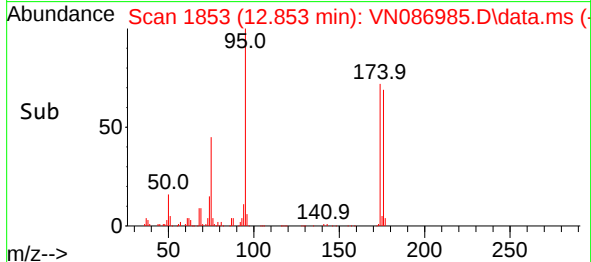
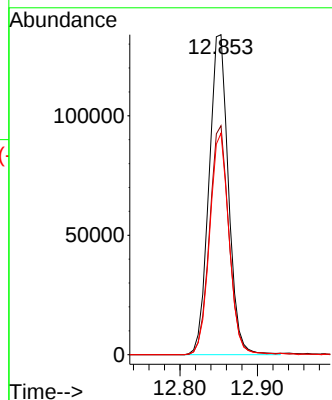
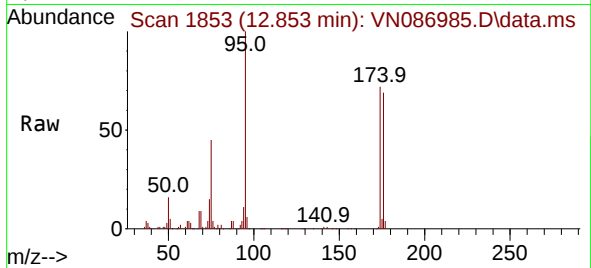




#62
4-Bromofluorobenzene
Concen: 49.310 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

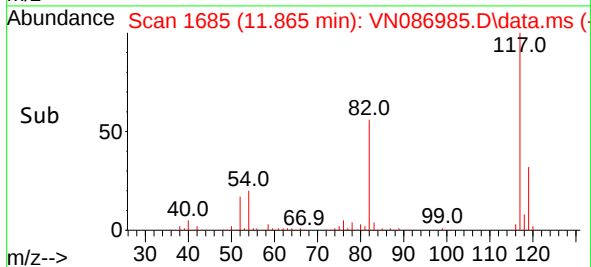
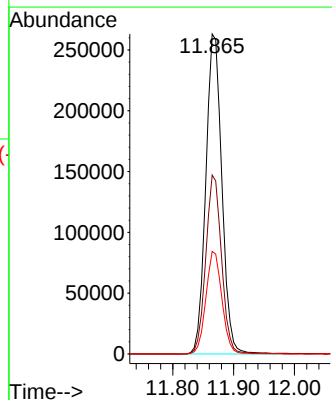
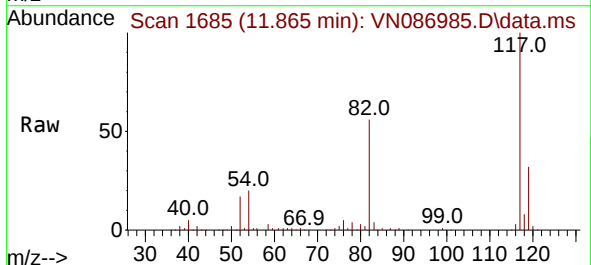
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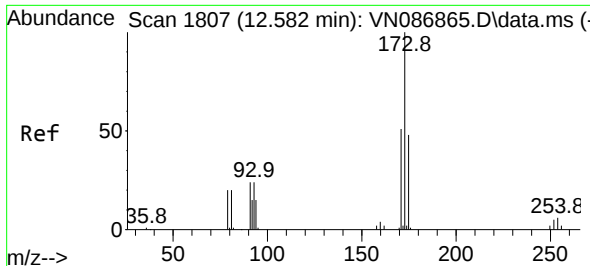
Tgt Ion: 95 Resp: 233413
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 68.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion: 117 Resp: 482706
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 32.0 25.5 38.3

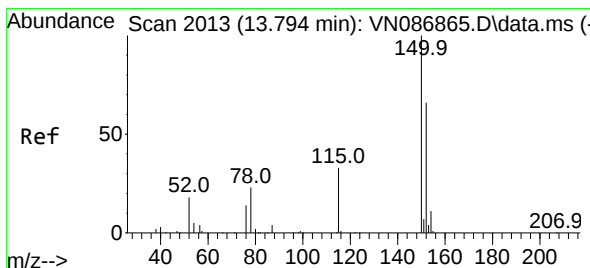
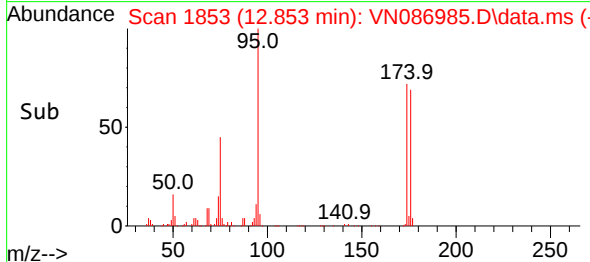
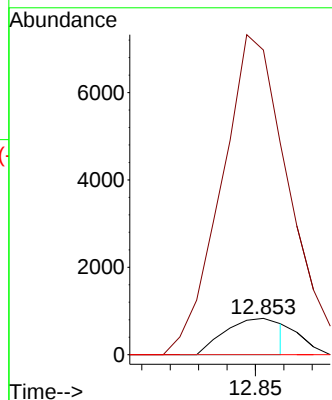
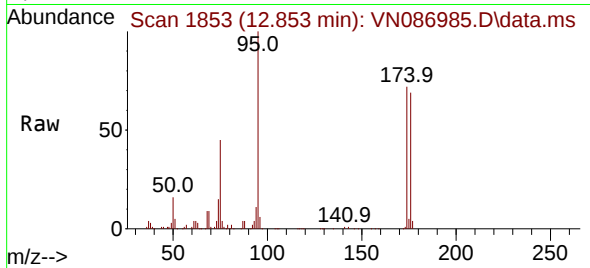




#71
Bromoform
Concen: 0.458 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.270 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

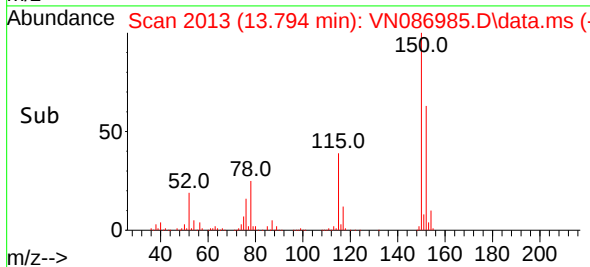
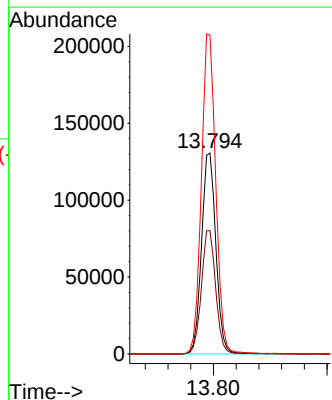
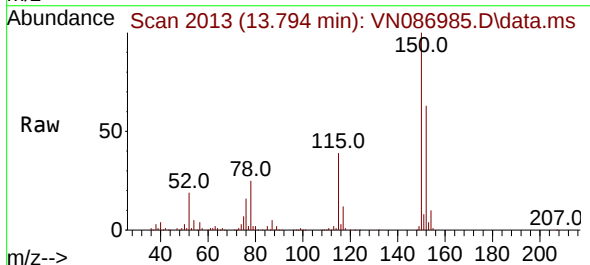
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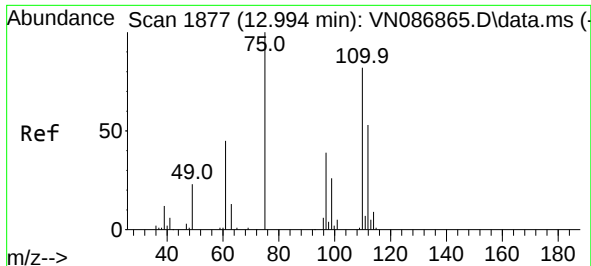
Tgt Ion:173 Resp: 1162
Ion Ratio Lower Upper
173 100
175 873.3 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion:152 Resp: 228705
Ion Ratio Lower Upper
152 100
115 61.3 30.1 90.5
150 159.6 0.0 345.0

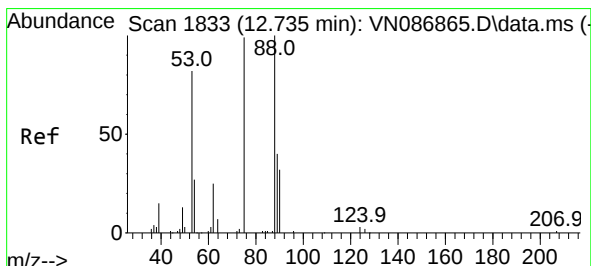
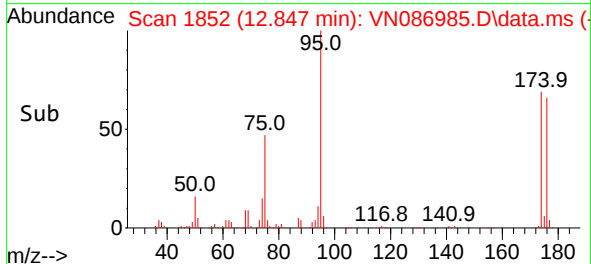
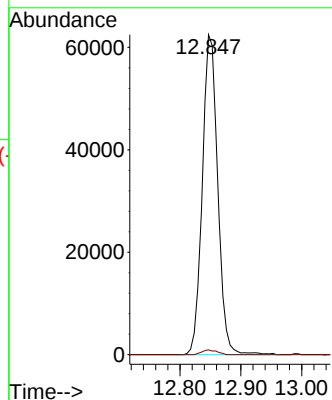
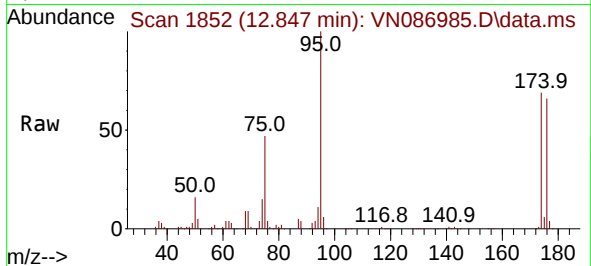




#76
1,2,3-Trichloropropane
Concen: 20.273 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Instrument :
MSVOA_N
ClientSampleId :
FB-20250605

Tgt Ion: 75 Resp: 110214
Ion Ratio Lower Upper
75 100
77 1.5 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.668 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086985.D
Acq: 12 Jun 2025 18:10

Tgt Ion: 75 Resp: 110214
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

