

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
 Data File : VN086198.D
 Acq On : 01 Apr 2025 16:01
 Operator : JC\MD
 Sample : Q1690-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW112010

Quant Time: Apr 02 01:53:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

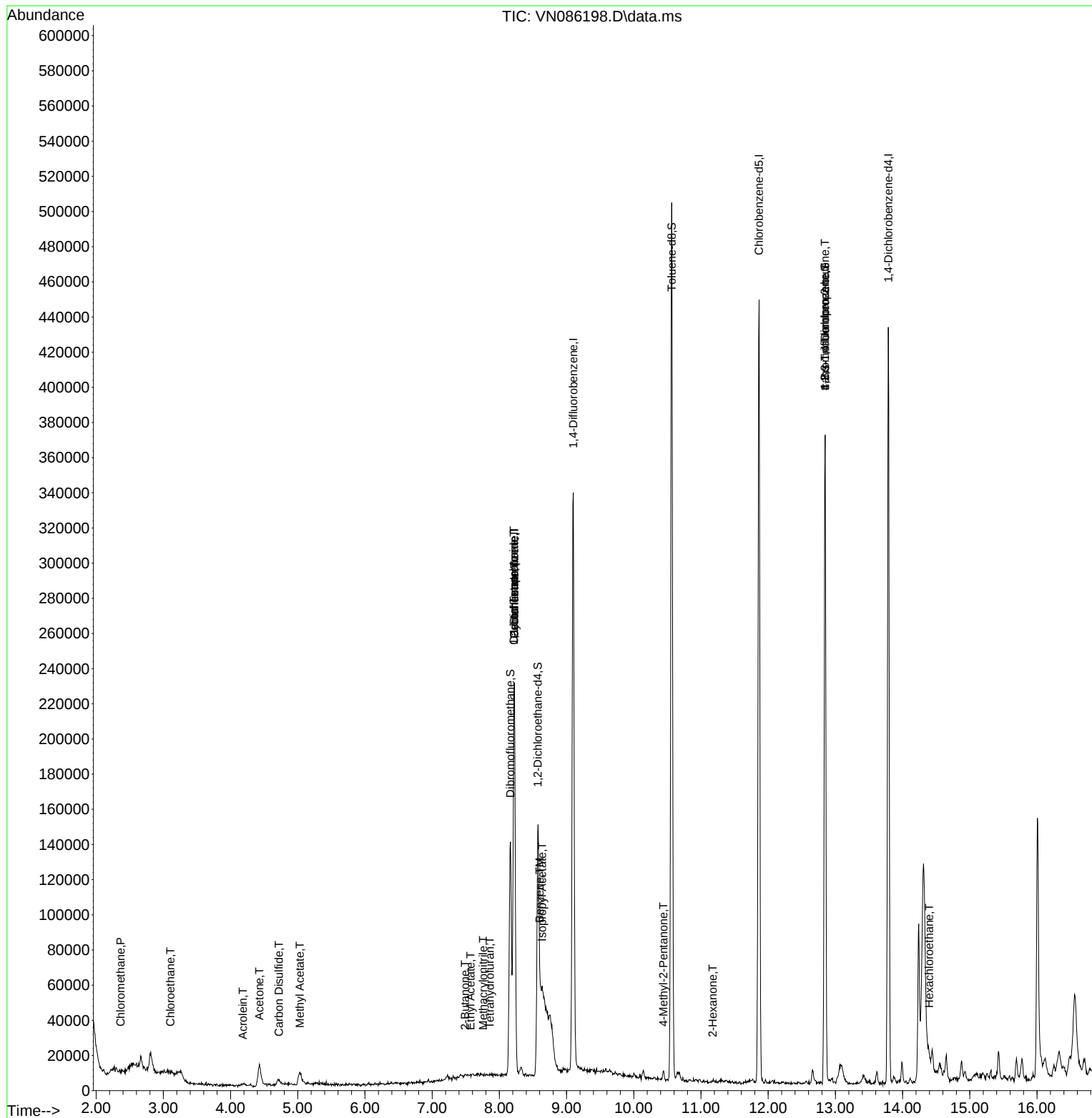
Internal Standards						
1) Pentafluorobenzene	8.224	168	155880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123079	57.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.320%			
35) Dibromofluoromethane	8.165	113	95606	49.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	10.565	98	349170	49.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.847	95	130215	51.761	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	866	0.478	ug/l #	76
6) Chloroethane	3.106	64	361	0.309	ug/l #	39
13) Acrolein	4.183	56	1329	4.123	ug/l	87
16) Acetone	4.430	43	23211	35.593	ug/l	98
17) Carbon Disulfide	4.718	76	6671	1.270	ug/l #	74
18) Methyl Acetate	5.030	43	15706	9.734	ug/l	94
25) 2-Butanone	7.489	43	2419	2.571	ug/l #	40
29) Tetrahydrofuran	7.859	42	321	0.553	ug/l #	24
31) Cyclohexane	8.224	56	3664	1.378	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13102	5.119	ug/l #	49
37) Ethyl Acetate	7.571	43	930	0.431	ug/l #	73
38) Carbon Tetrachloride	8.218	117	17868	5.310	ug/l #	16
40) Benzene	8.600	78	2280	0.284	ug/l #	87
41) Methacrylonitrile	7.759	41	588	0.570	ug/l #	15
43) Isopropyl Acetate	8.636	43	54087	11.560	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	3085	1.495	ug/l #	79
59) 2-Hexanone	11.177	43	877	0.583	ug/l #	18
76) 1,2,3-Trichloropropane	12.847	75	67353	25.428	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67353	67.227	ug/l #	16
90) Hexachloroethane	14.394	117	1759	1.183	ug/l #	10

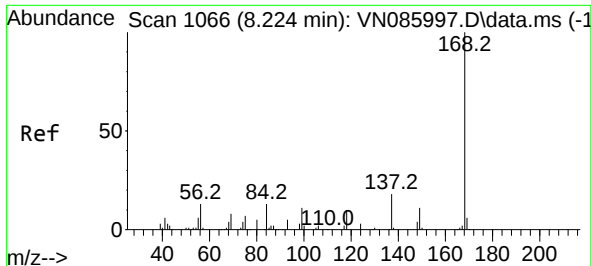
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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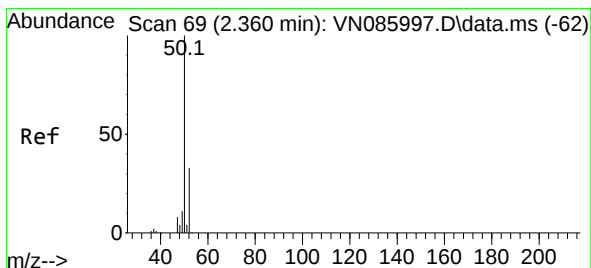
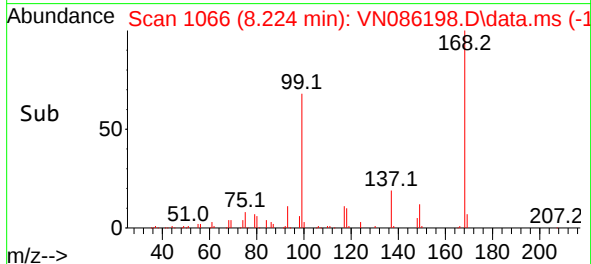
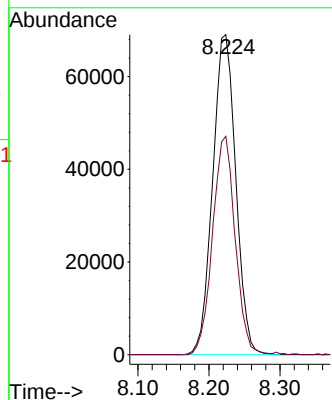
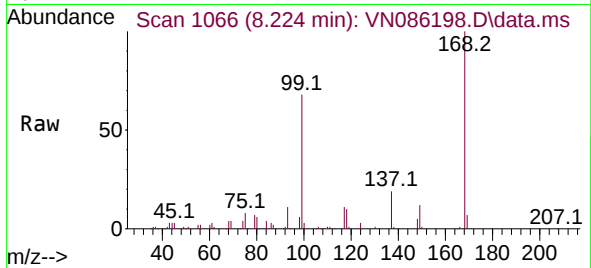




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

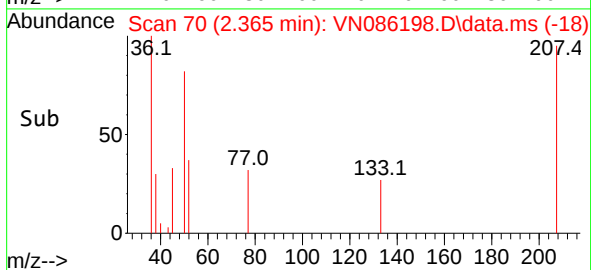
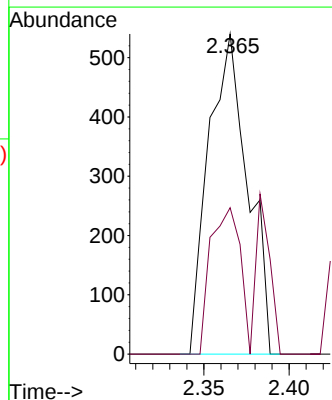
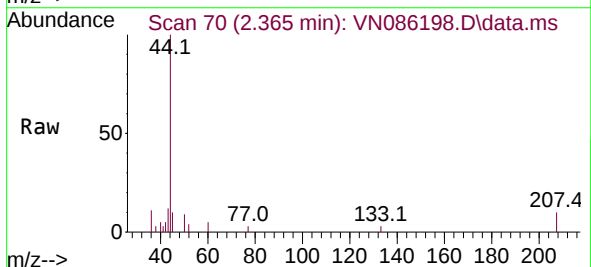
Instrument :
MSVOA_N
ClientSampleId :
MW112010

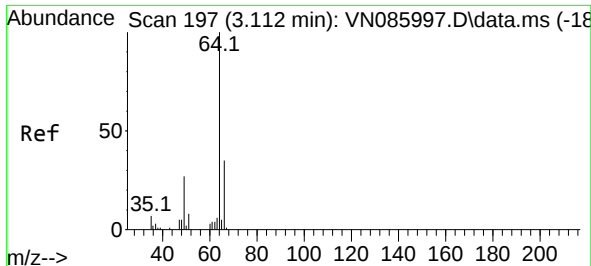
Tgt Ion:168 Resp: 155880
Ion Ratio Lower Upper
168 100
99 68.2 49.4 74.2



#3
Chloromethane
Concen: 0.478 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 50 Resp: 866
Ion Ratio Lower Upper
50 100
52 45.7 26.0 39.0#

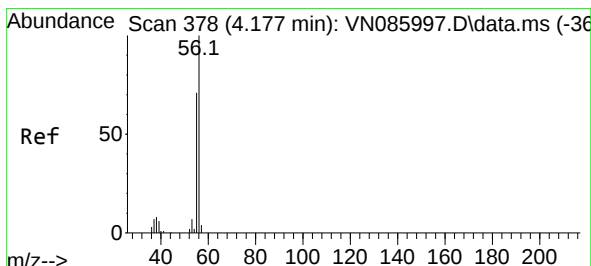
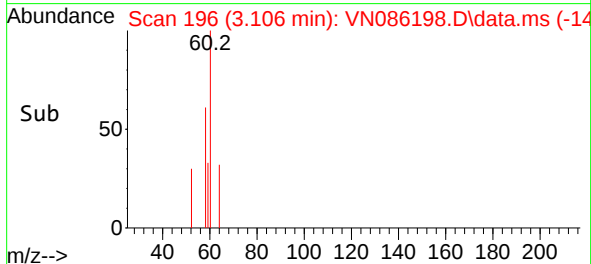
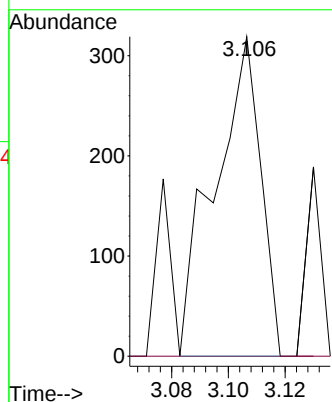
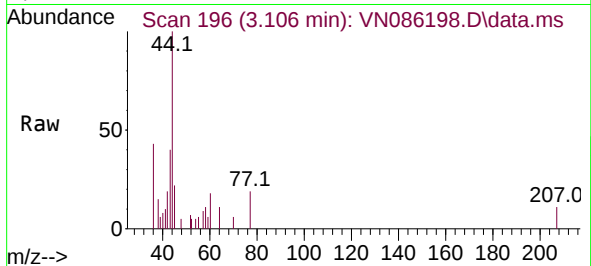




#6
Chloroethane
Concen: 0.309 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

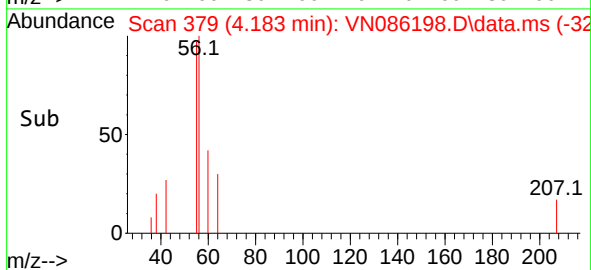
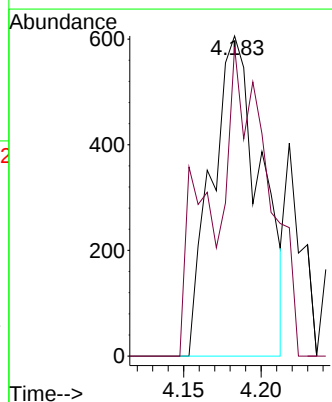
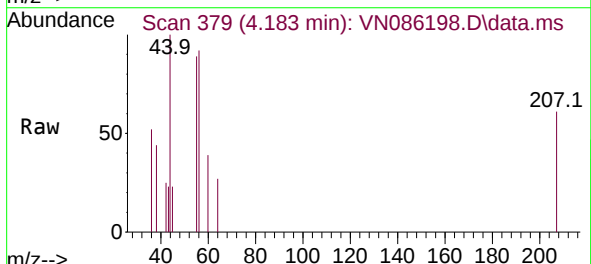
Instrument :
MSVOA_N
ClientSampleId :
MW112010

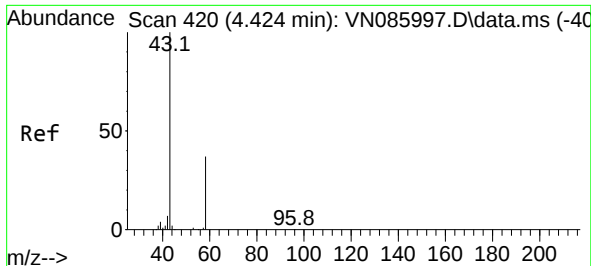
Tgt Ion: 64 Resp: 361
Ion Ratio Lower Upper
64 100
66 0.0 28.3 42.5#



#13
Acrolein
Concen: 4.123 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 56 Resp: 1329
Ion Ratio Lower Upper
56 100
55 79.5 55.1 82.7

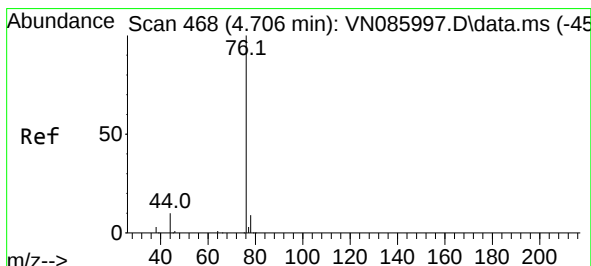
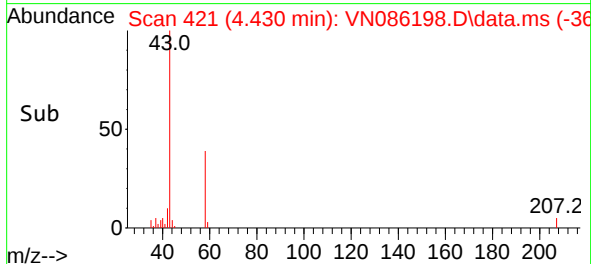
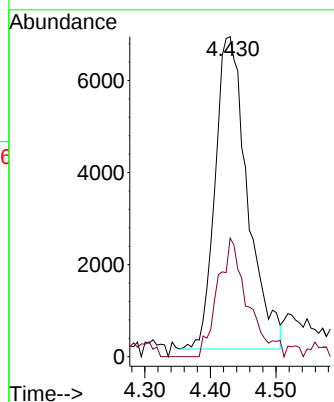
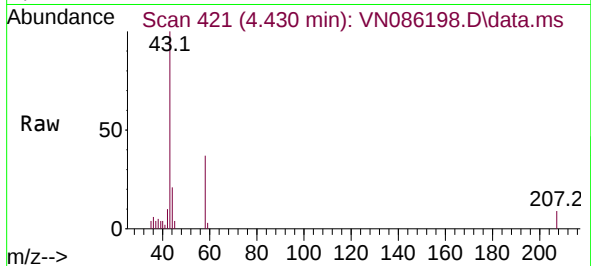




#16
Acetone
Concen: 35.593 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

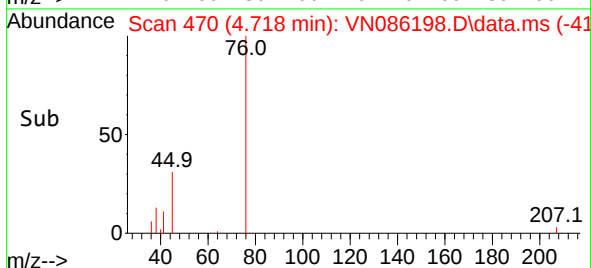
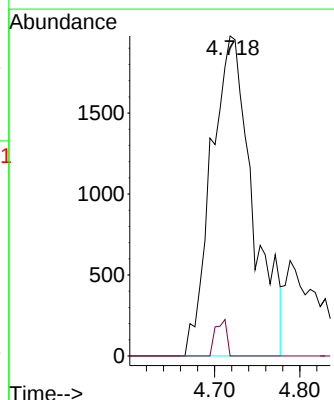
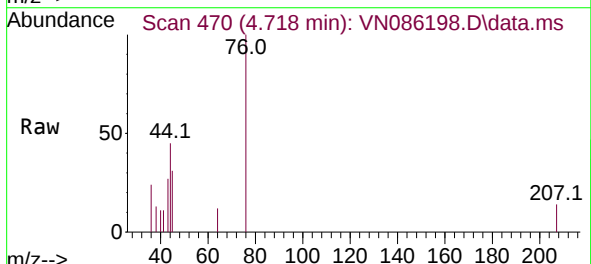
Instrument :
MSVOA_N
ClientSampleId :
MW112010

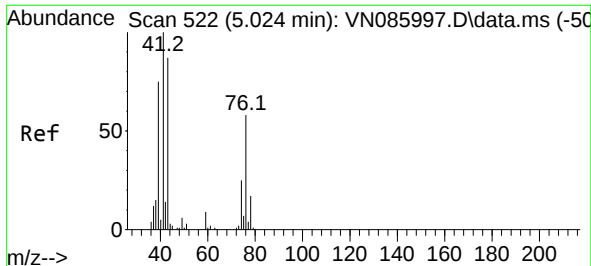
Tgt Ion: 43 Resp: 23211
Ion Ratio Lower Upper
43 100
58 38.0 29.4 44.2



#17
Carbon Disulfide
Concen: 1.270 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 76 Resp: 6671
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

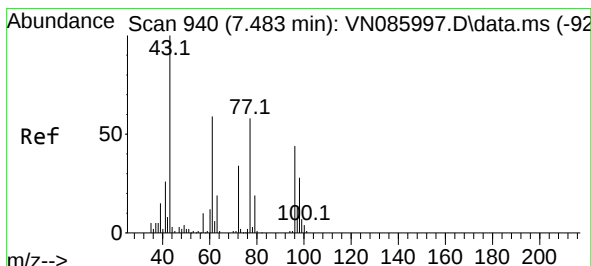
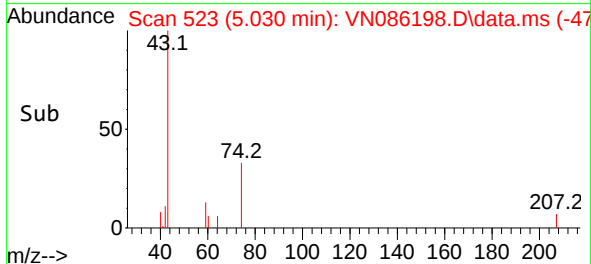
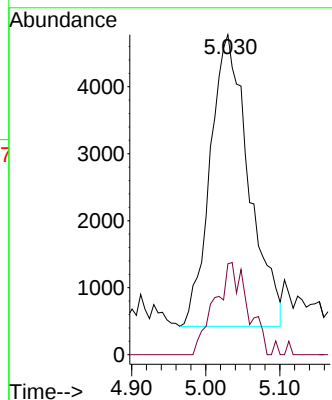
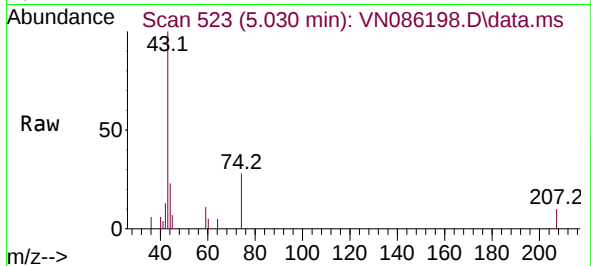




#18
Methyl Acetate
Concen: 9.734 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

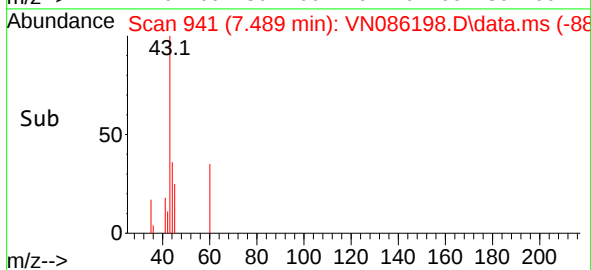
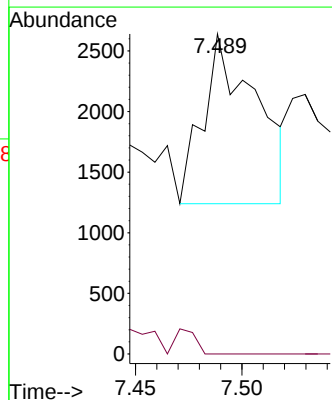
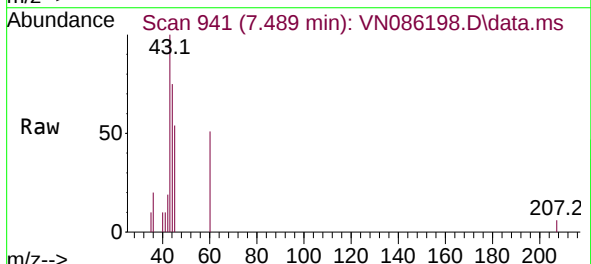
Instrument :
MSVOA_N
ClientSampleId :
MW112010

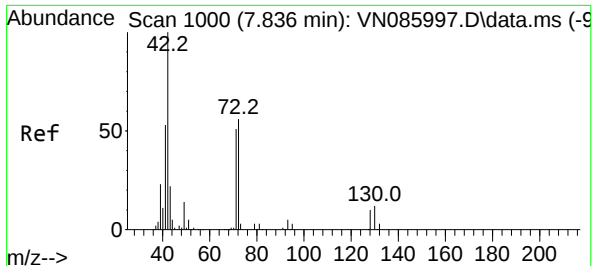
Tgt Ion: 43 Resp: 15706
Ion Ratio Lower Upper
43 100
74 26.9 23.9 35.9



#25
2-Butanone
Concen: 2.571 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 43 Resp: 2419
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#





#29

Tetrahydrofuran

Concen: 0.553 ug/l

RT: 7.859 min Scan# 1066

Delta R.T. 0.023 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

Instrument :

MSVOA_N

ClientSampleId :

MW112010

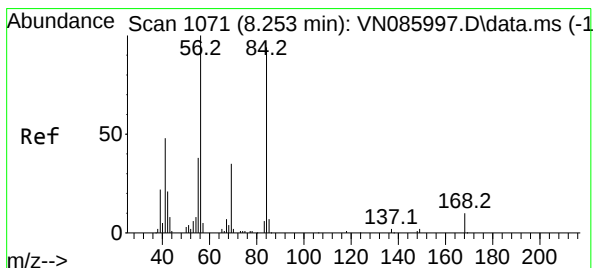
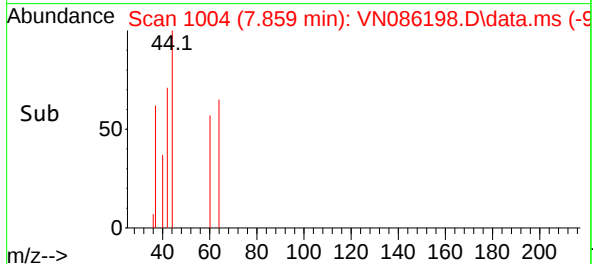
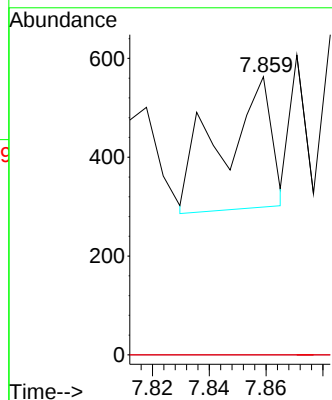
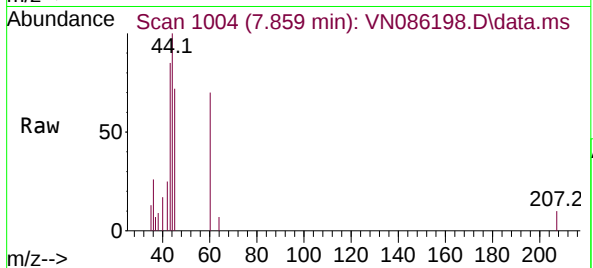
Tgt Ion: 42 Resp: 321

Ion Ratio Lower Upper

42 100

72 0.0 45.0 67.4#

71 0.0 41.9 62.9#



#31

Cyclohexane

Concen: 1.378 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

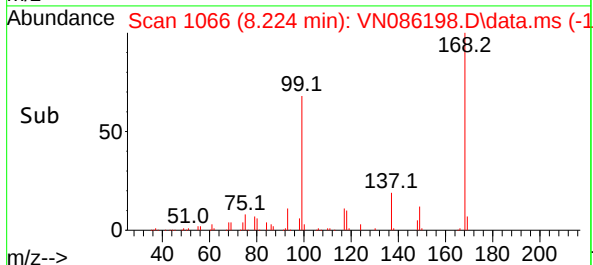
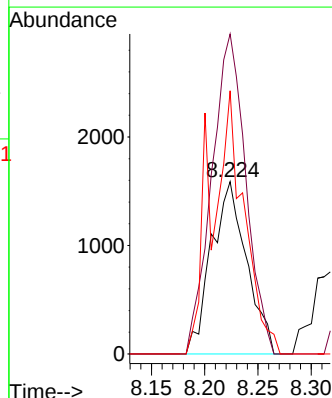
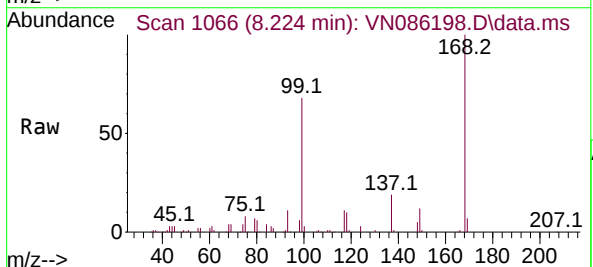
Tgt Ion: 56 Resp: 3664

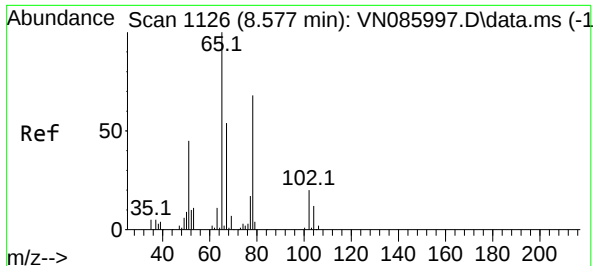
Ion Ratio Lower Upper

56 100

69 185.7 28.0 42.0#

84 152.7 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 57.661 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

Instrument :

MSVOA_N

ClientSampleId :

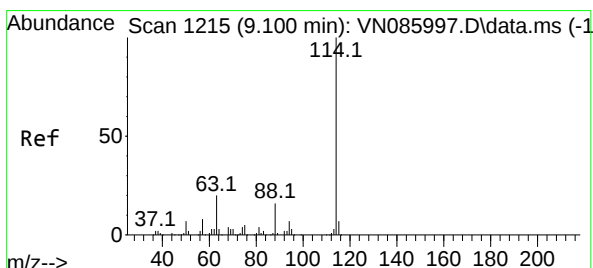
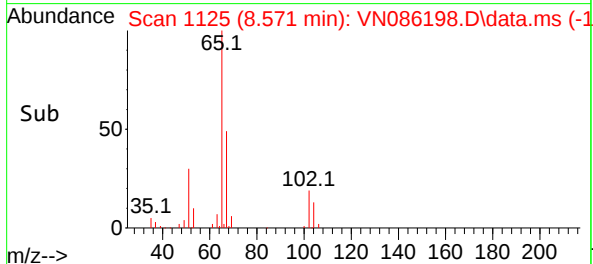
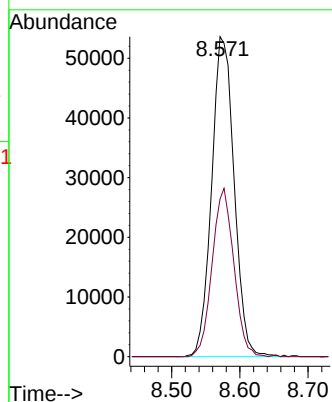
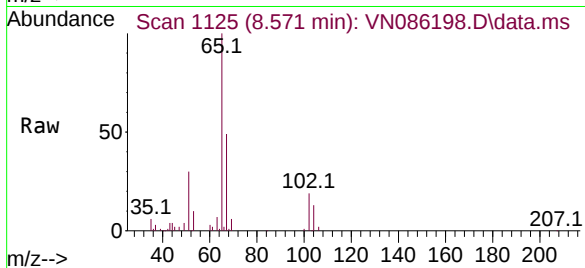
MW112010

Tgt Ion: 65 Resp: 123079

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

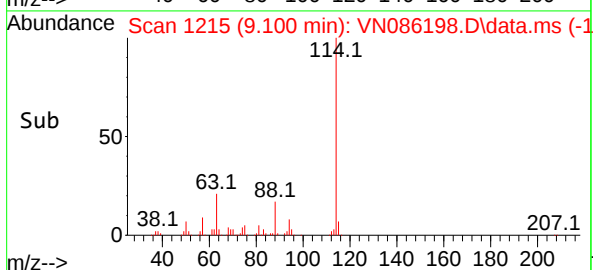
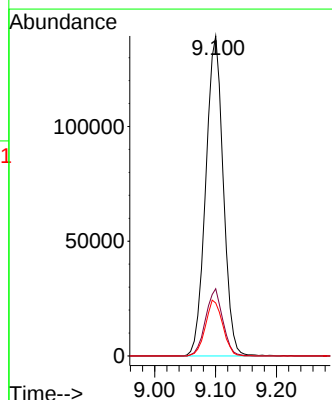
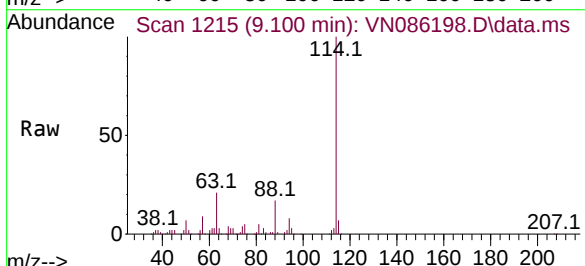
Tgt Ion: 114 Resp: 278463

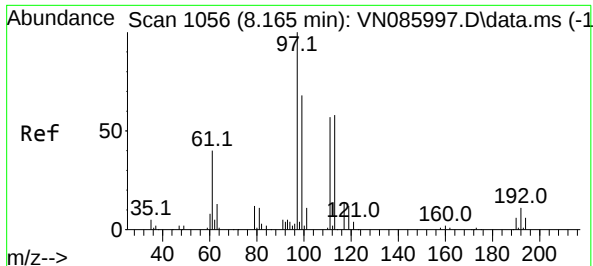
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

88 16.6 0.0 32.6

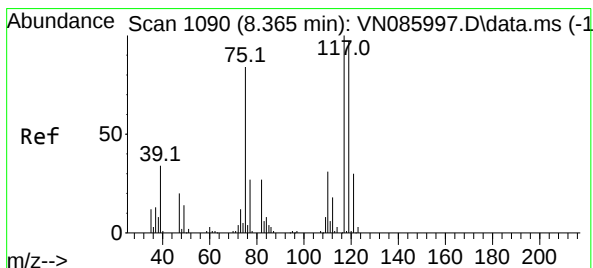
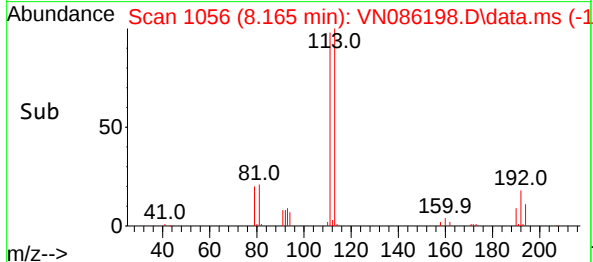
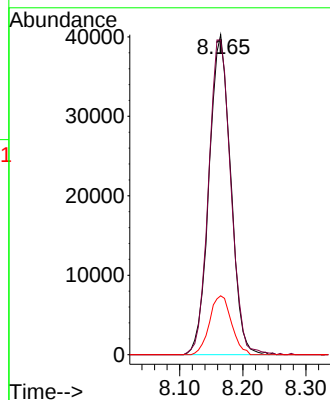
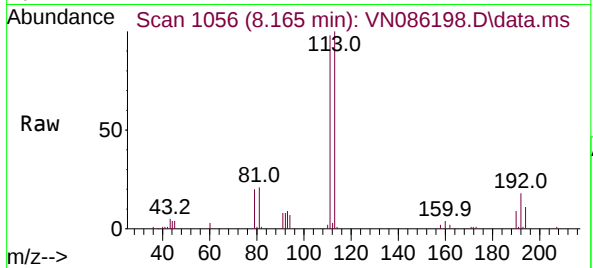




#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

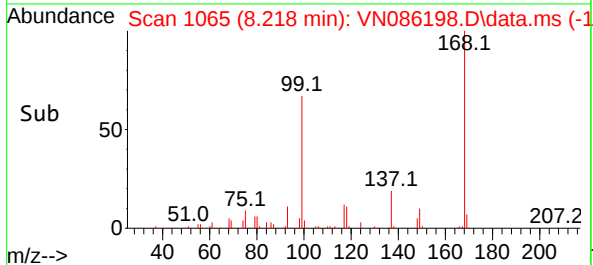
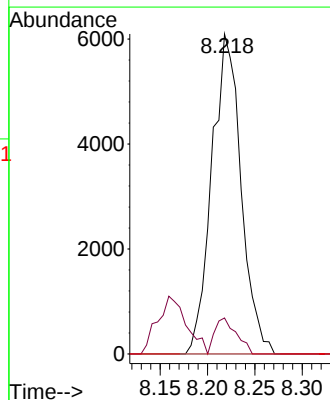
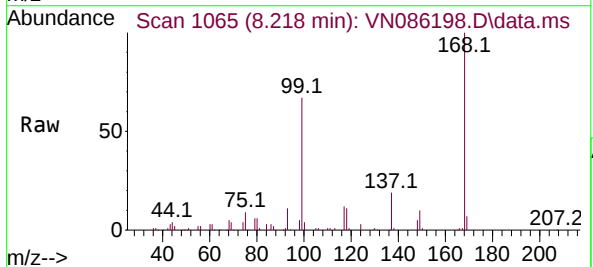
Instrument :
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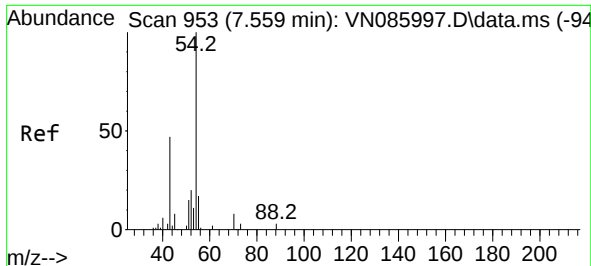
Tgt Ion: 113 Resp: 95606
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.8
192 18.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.119 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 75 Resp: 13102
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.431 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

Instrument :

MSVOA_N

ClientSampleId :

MW112010

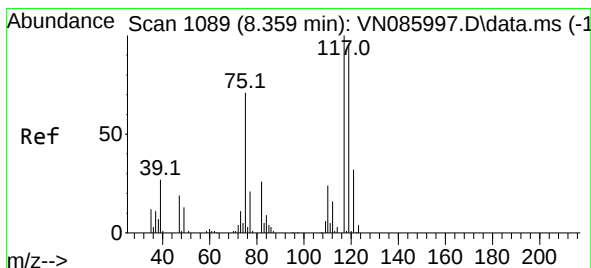
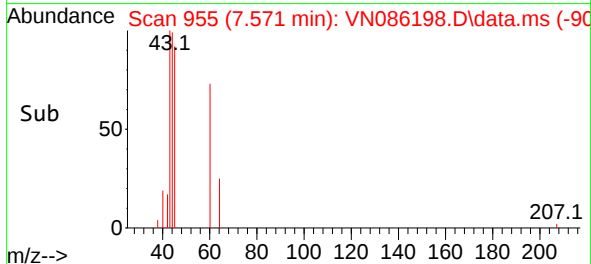
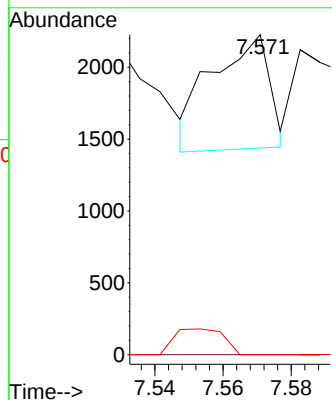
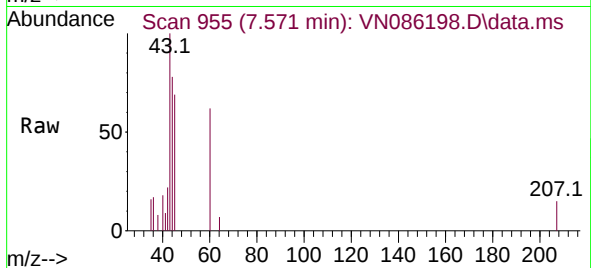
Tgt Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 19.5 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 5.310 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086198.D

Acq: 01 Apr 2025 16:01

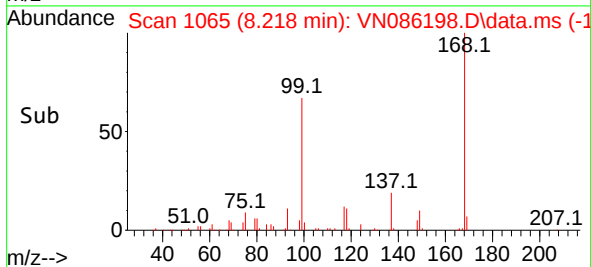
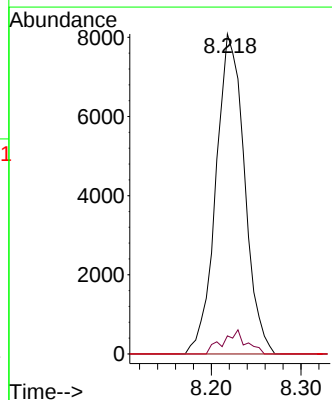
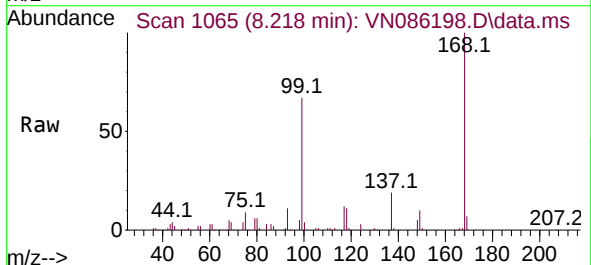
Tgt Ion: 117 Resp: 17868

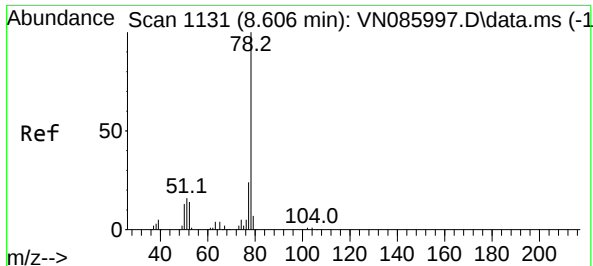
Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.4#

121 0.0 25.6 38.4#

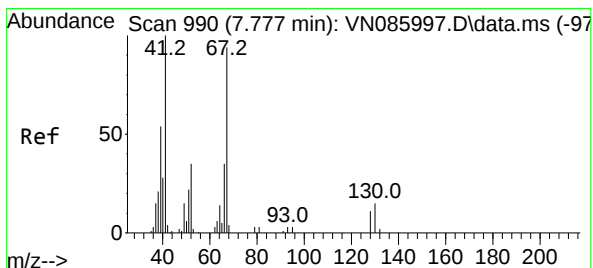
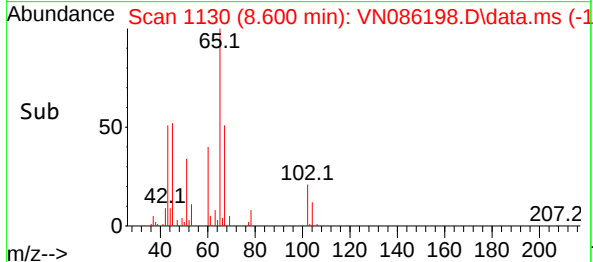
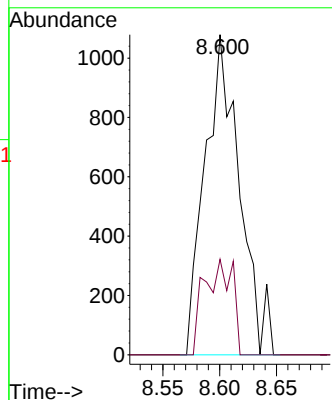
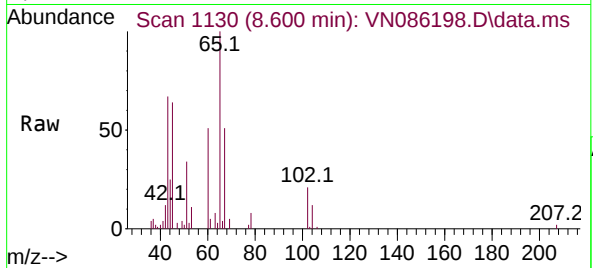




#40
Benzene
Concen: 0.284 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

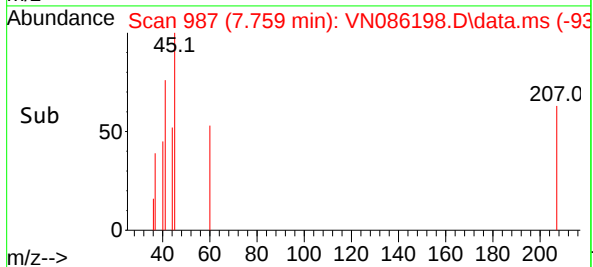
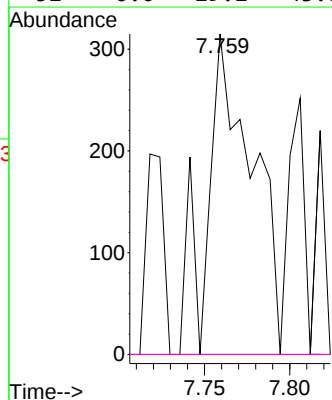
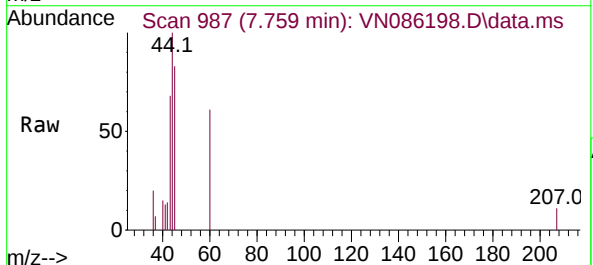
Instrument :
MSVOA_N
ClientSampleId :
MW112010

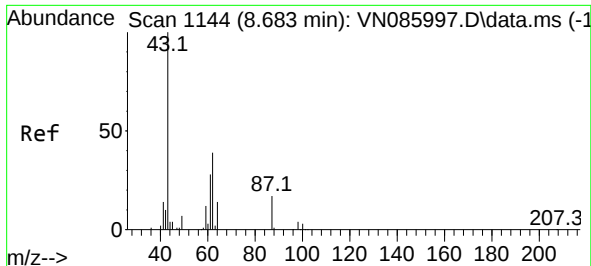
Tgt Ion: 78 Resp: 2280
Ion Ratio Lower Upper
78 100
77 29.8 18.9 28.3#



#41
Methacrylonitrile
Concen: 0.570 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.018 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

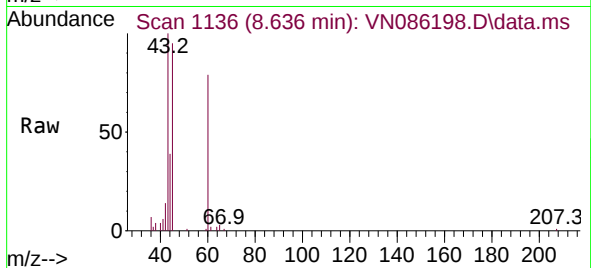
Tgt Ion: 41 Resp: 588
Ion Ratio Lower Upper
41 100
39 0.0 46.2 69.2#
67 0.0 75.9 113.9#
52 0.0 29.2 43.8#



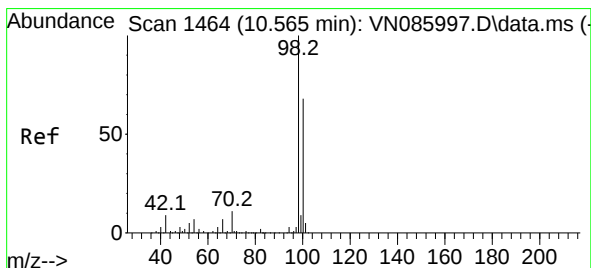
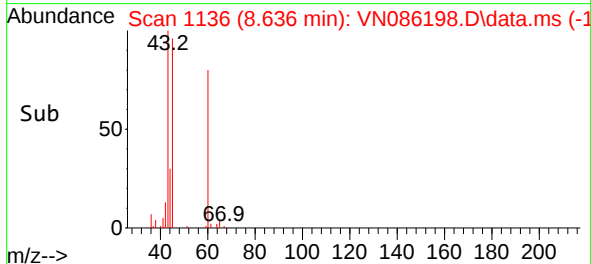
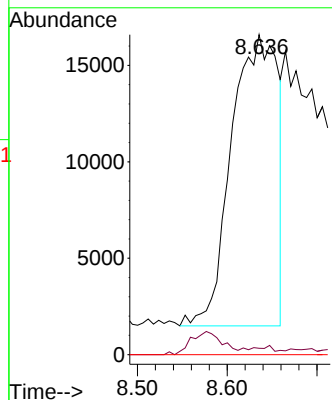


#43
Isopropyl Acetate
Concen: 11.560 ug/l
RT: 8.636 min Scan# 1136
Delta R.T. -0.047 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

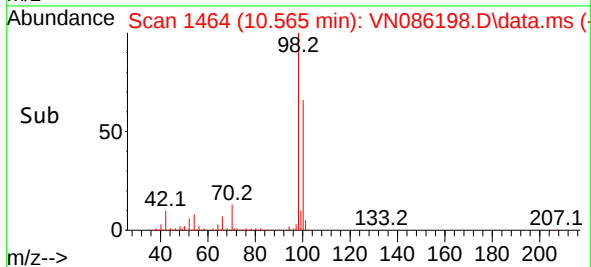
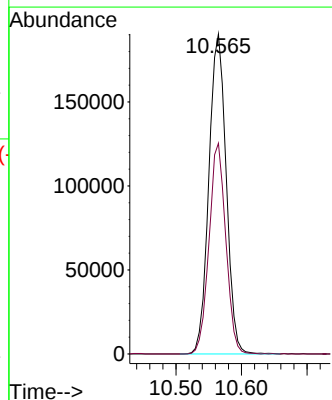
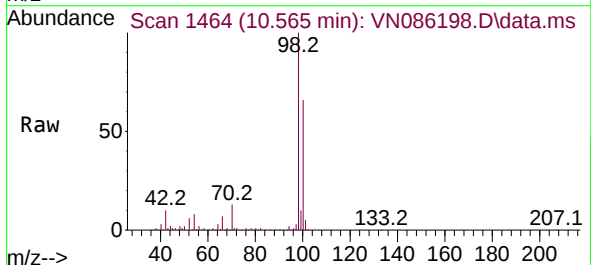


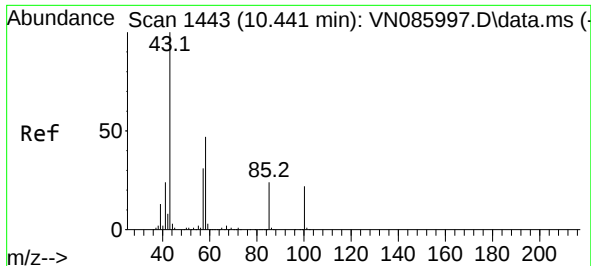
Tgt Ion: 43 Resp: 54087
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 98 Resp: 349170
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

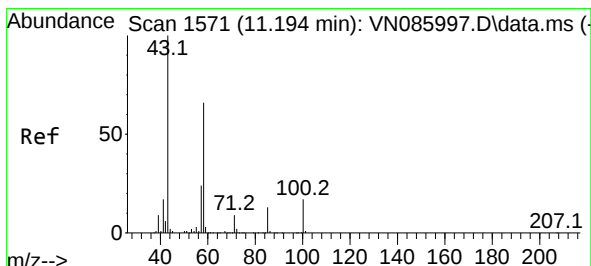
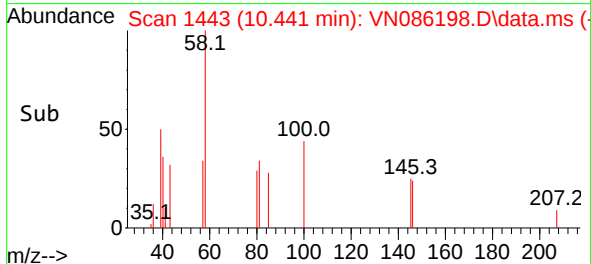
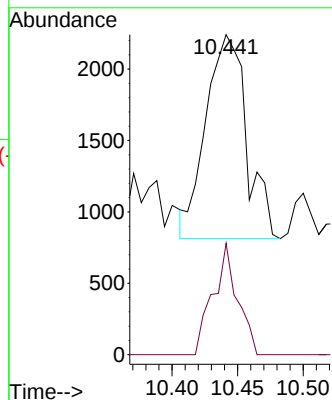
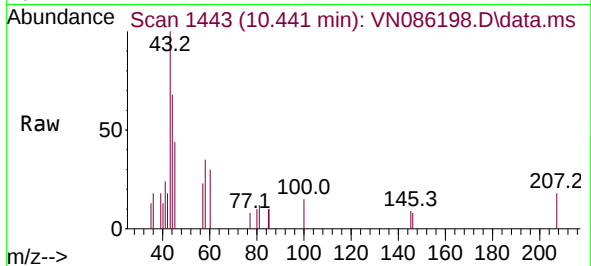




#51
4-Methyl-2-Pentanone
Concen: 1.495 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

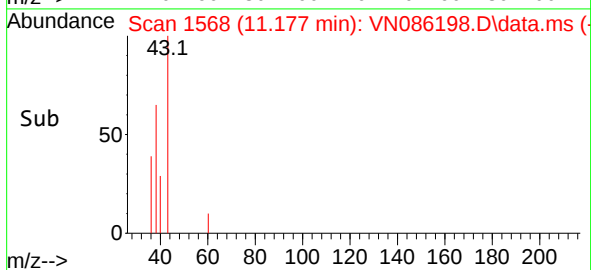
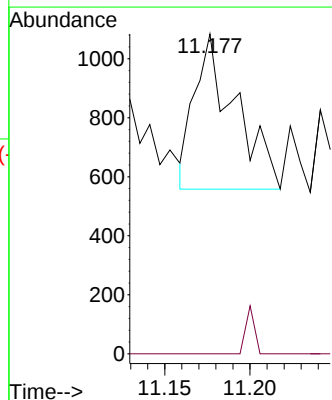
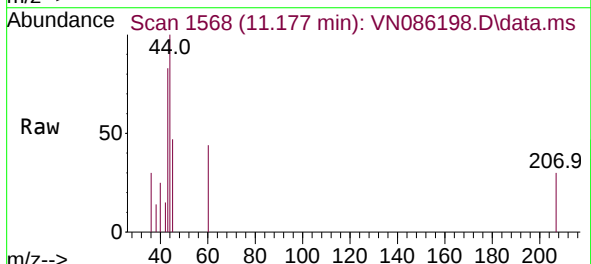
Instrument :
MSVOA_N
ClientSampleId :
MW112010

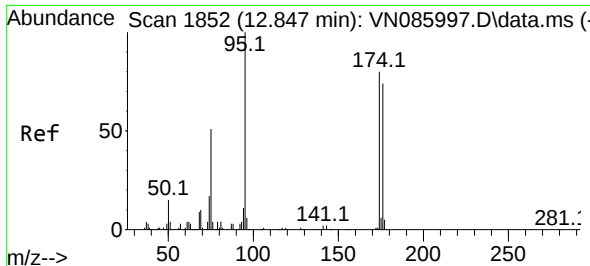
Tgt Ion: 43 Resp: 3085
Ion Ratio Lower Upper
43 100
58 32.8 37.4 56.0#



#59
2-Hexanone
Concen: 0.583 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#

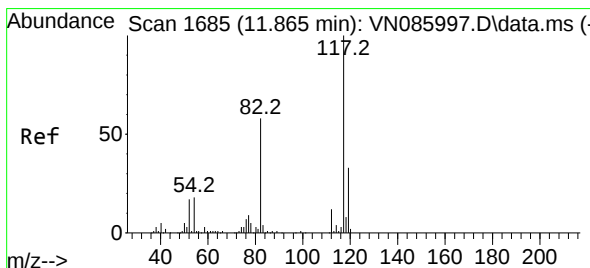
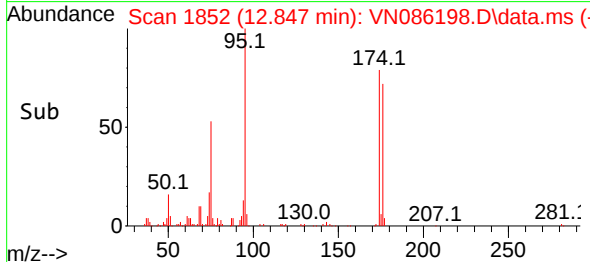
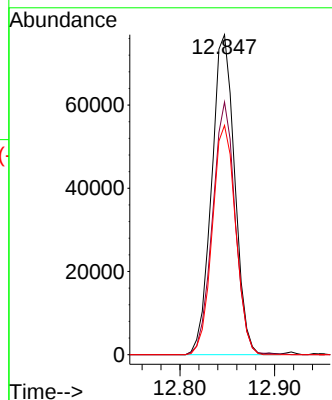
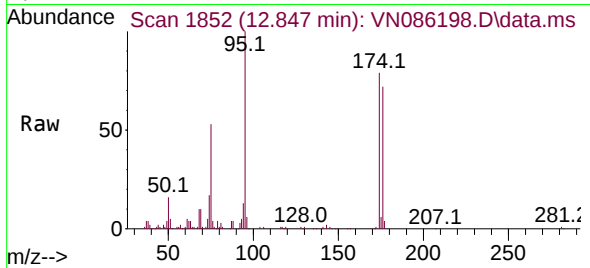




#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

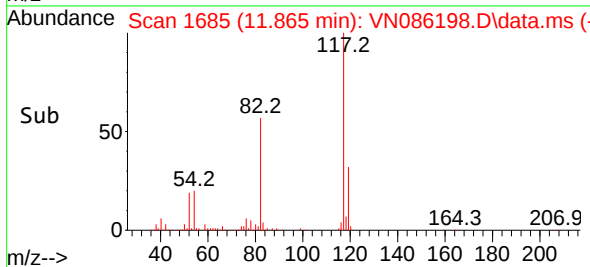
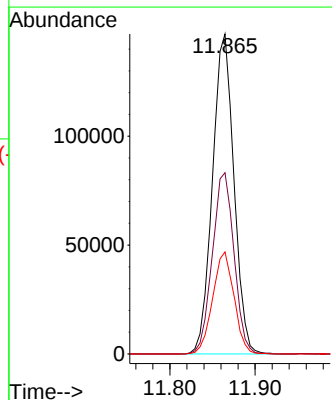
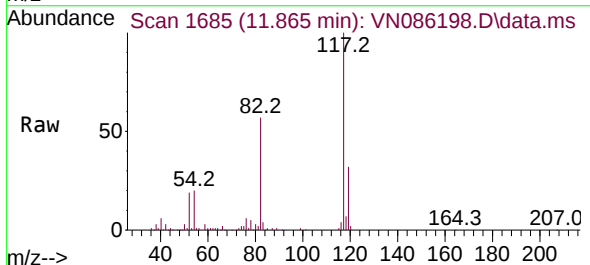
Instrument :
MSVOA_N
ClientSampleId :
MW112010

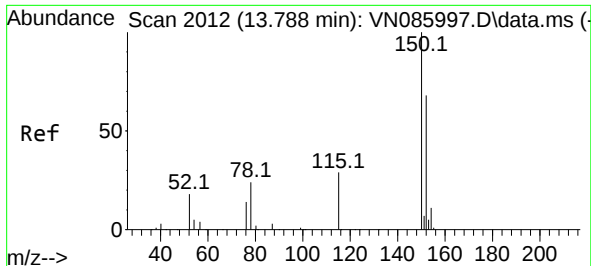
Tgt Ion: 95 Resp: 130215
Ion Ratio Lower Upper
95 100
174 77.6 0.0 156.8
176 72.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 117 Resp: 256873
Ion Ratio Lower Upper
117 100
82 56.7 46.7 70.1
119 31.9 26.5 39.7

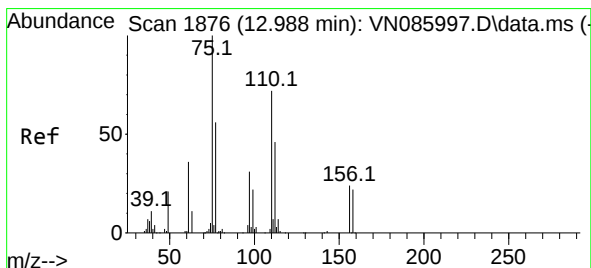
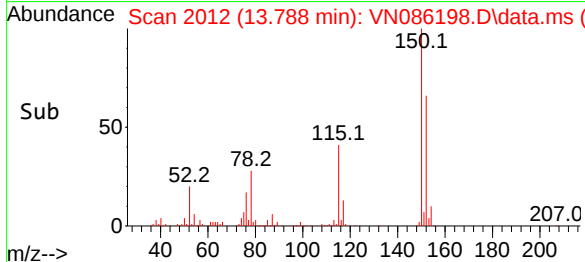
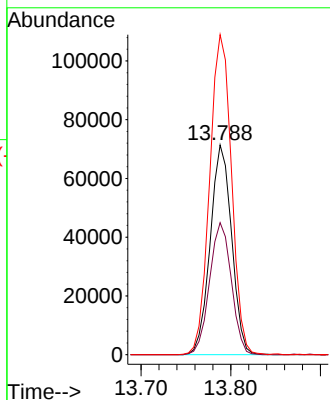
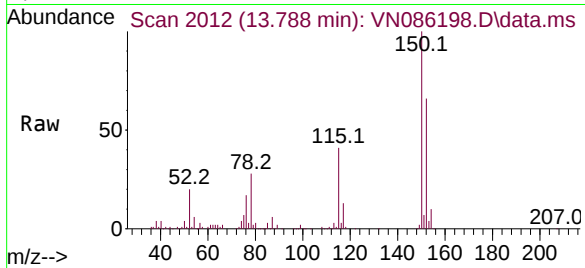




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086198.D
 Acq: 01 Apr 2025 16:01

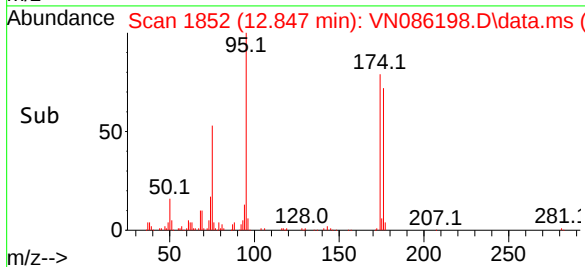
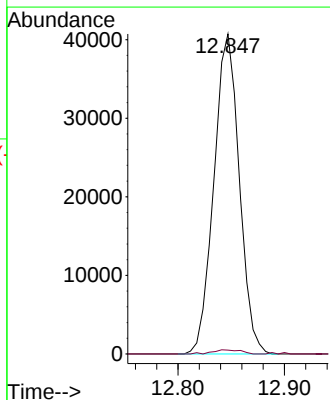
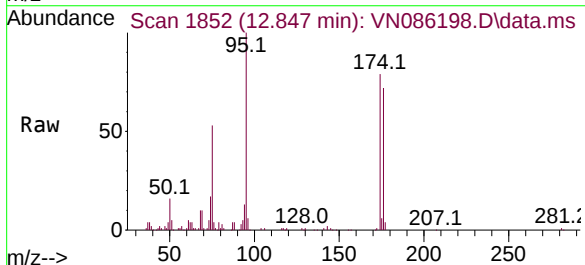
Instrument :
 MSVOA_N
 ClientSampleId :
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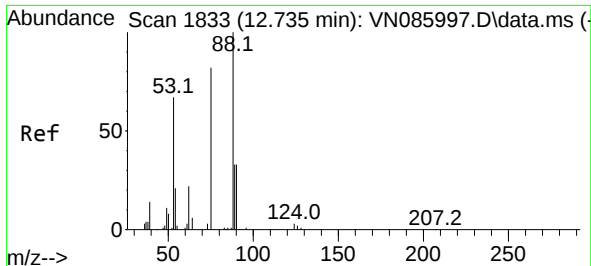
Tgt Ion:152 Resp: 118313
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.1 93.2
 150 155.3 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 25.428 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086198.D
 Acq: 01 Apr 2025 16:01

Tgt Ion: 75 Resp: 67353
 Ion Ratio Lower Upper
 75 100
 77 1.5 83.7 251.0#

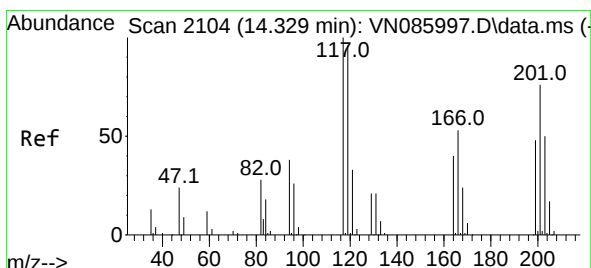
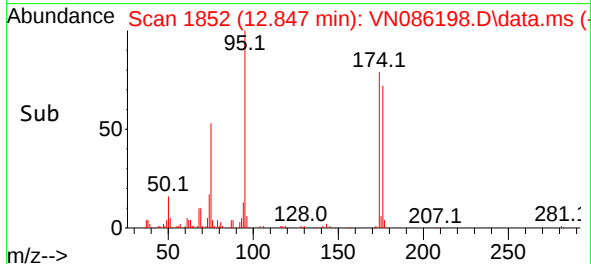
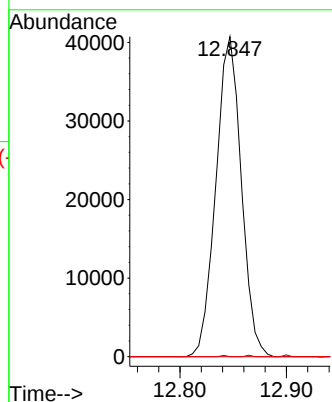
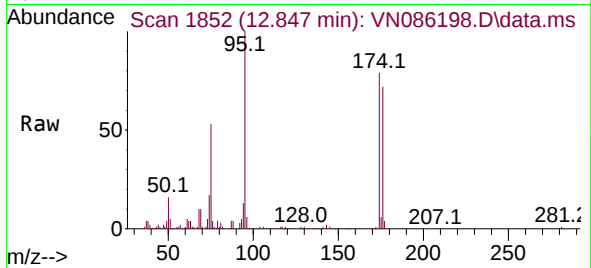




#81
trans-1,4-Dichloro-2-butene
Concen: 67.227 ug/l
RT: 12.847 min Scan# 111
Delta R.T. 0.112 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion: 75 Resp: 67353
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 1.183 ug/l
RT: 14.394 min Scan# 2115
Delta R.T. 0.065 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 117 Resp: 1759
Ion Ratio Lower Upper
117 100
201 0.0 39.1 117.3#

