

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
 Data File : VN085540.D
 Acq On : 28 Jan 2025 15:49
 Operator : JC\MD
 Sample : Q1199-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 00:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

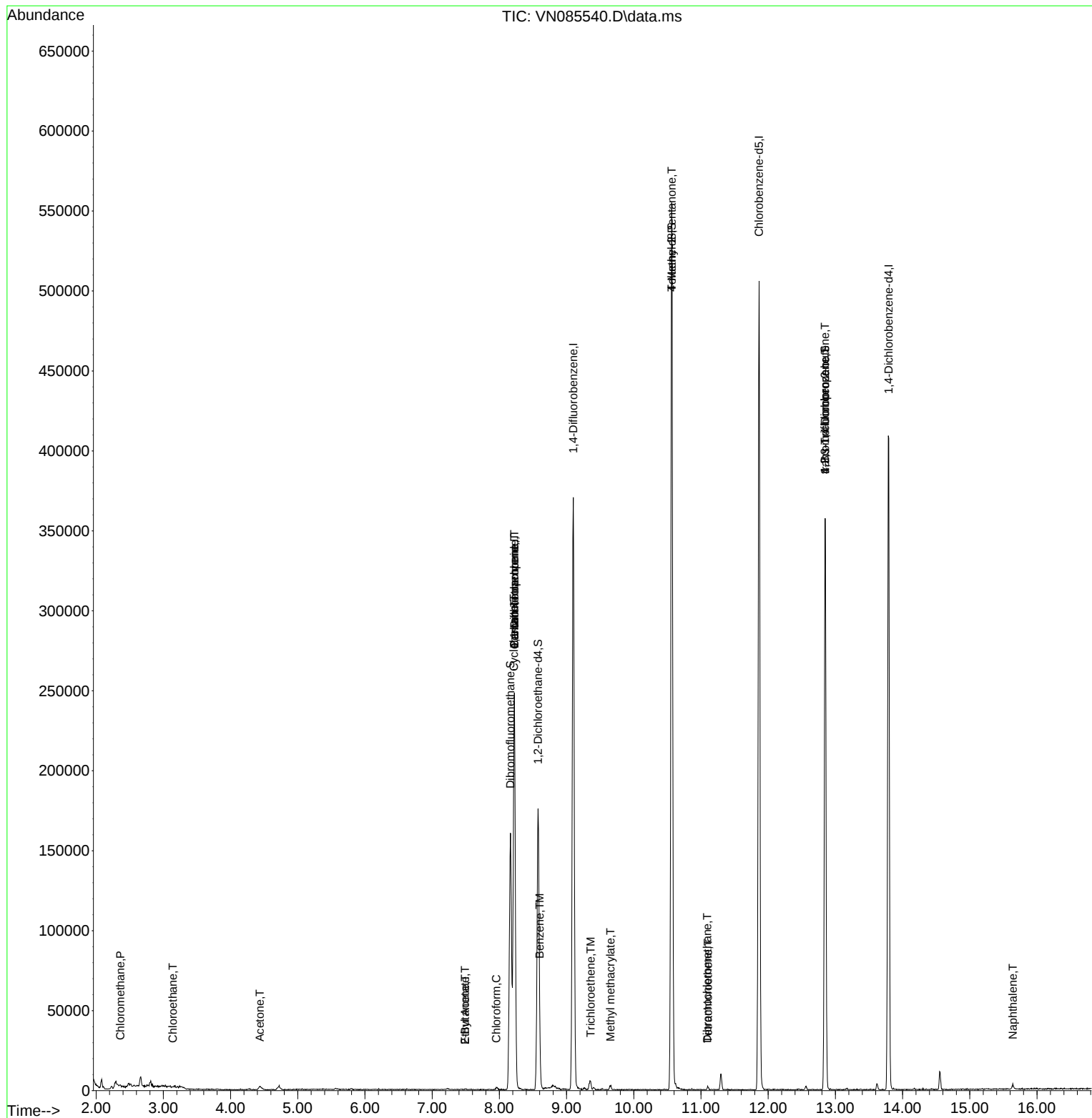
Internal Standards						
1) Pentafluorobenzene	8.224	168	162005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	145516	55.645	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.280%			
35) Dibromofluoromethane	8.165	113	109371	52.450	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	10.565	98	370808	50.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.847	95	118170	46.627	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.260%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	612	0.258	ug/l #	41
6) Chloroethane	3.142	64	352	0.233	ug/l #	44
16) Acetone	4.436	43	4495	5.320	ug/l	94
25) 2-Butanone	7.488	43	676	0.544	ug/l #	50
30) Chloroform	7.953	83	1319	0.334	ug/l #	73
31) Cyclohexane	8.218	56	4669	1.407	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15285	5.223	ug/l #	50
37) Ethyl Acetate	7.488	43	676	0.229	ug/l #	70
38) Carbon Tetrachloride	8.224	117	17802	5.313	ug/l #	17
40) Benzene	8.600	78	3178	0.361	ug/l #	83
44) Trichloroethene	9.359	130	2214	1.082	ug/l	95
48) Methyl methacrylate	9.653	41	868	0.407	ug/l #	43
51) 4-Methyl-2-Pentanone	10.565	43	1689	0.615	ug/l #	1
60) Dibromochloromethane	11.094	129	574	0.236	ug/l #	11
64) Tetrachloroethene	11.106	164	454	0.245	ug/l #	85
76) 1,2,3-Trichloropropane	12.847	75	66244	30.333	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66244	82.068	ug/l #	3
95) Naphthalene	15.641	128	3659	0.758	ug/l #	83

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

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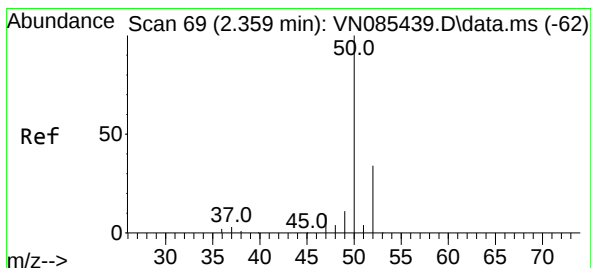
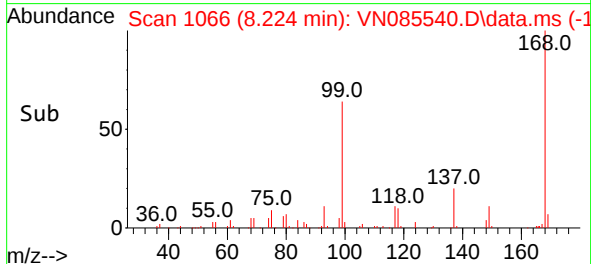
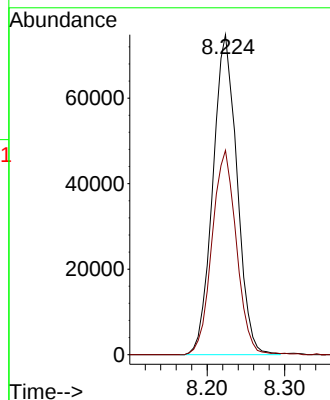
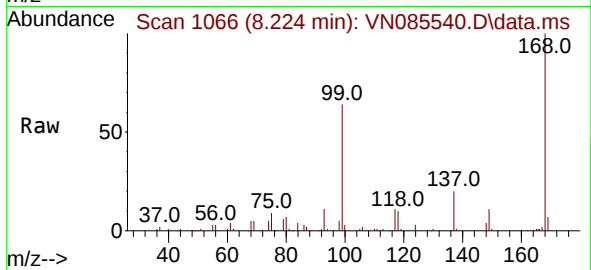




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

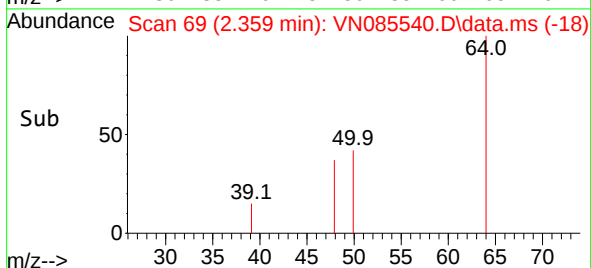
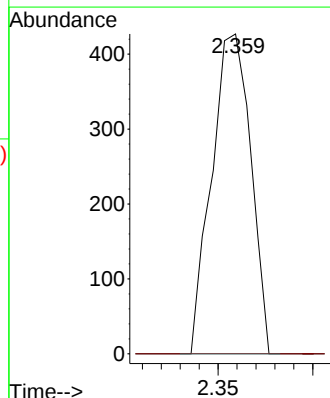
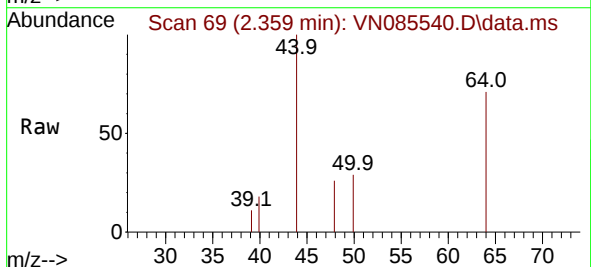
Instrument :
MSVOA_N
ClientSampleId :

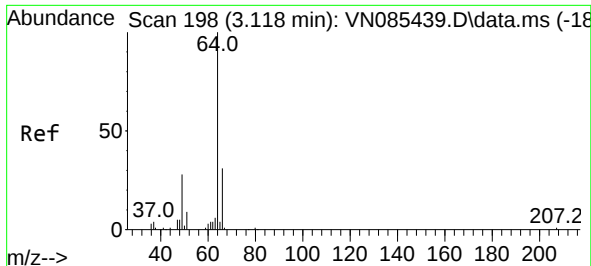
Tgt Ion:168 Resp: 162005
Ion Ratio Lower Upper
168 100
99 63.9 53.6 80.4



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

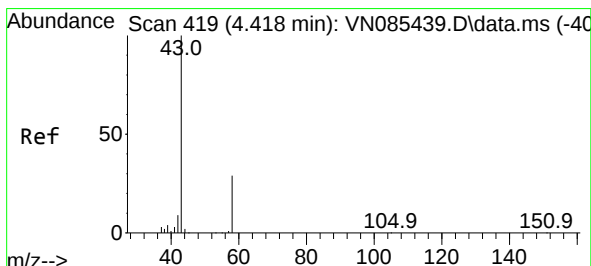
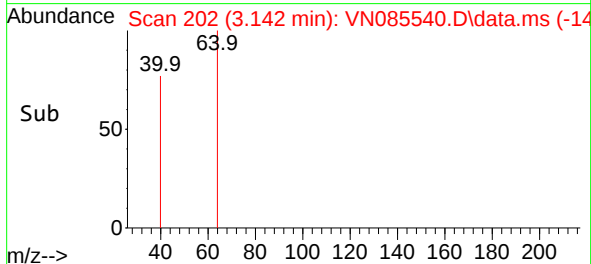
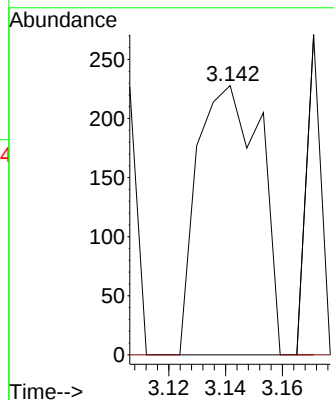
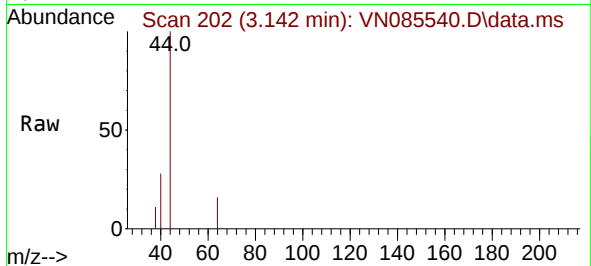




#6
Chloroethane
Concen: 0.233 ug/l
RT: 3.142 min Scan# 20
Delta R.T. 0.023 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

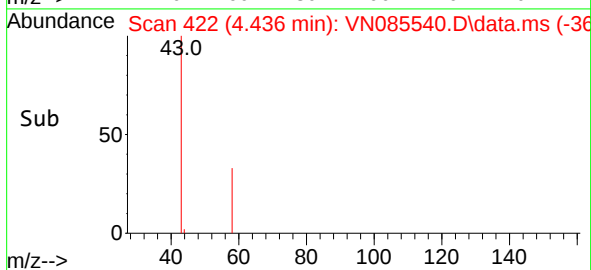
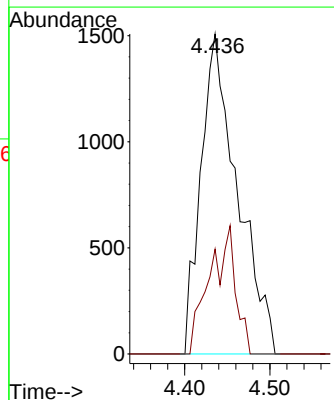
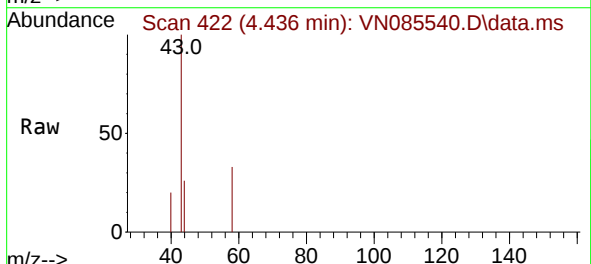
Instrument :
MSVOA_N
ClientSampleId :

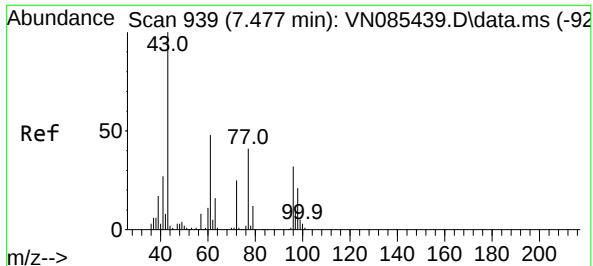
Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#16
Acetone
Concen: 5.320 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.017 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion: 43 Resp: 4495
Ion Ratio Lower Upper
43 100
58 32.8 23.8 35.6

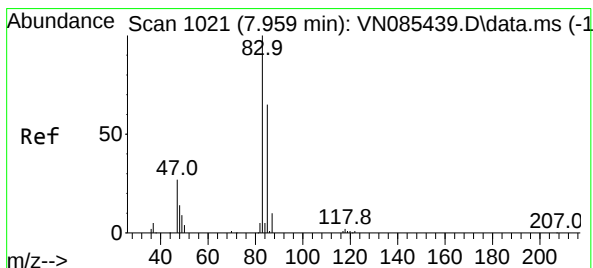
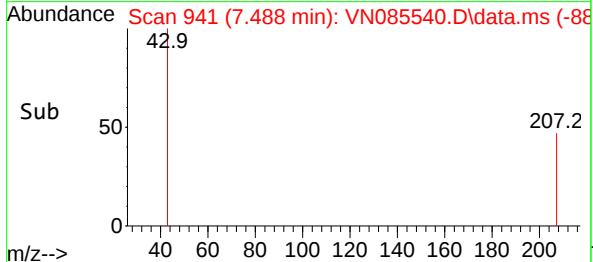
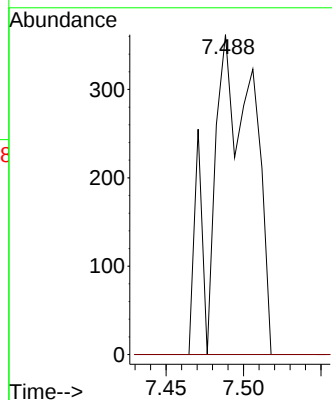
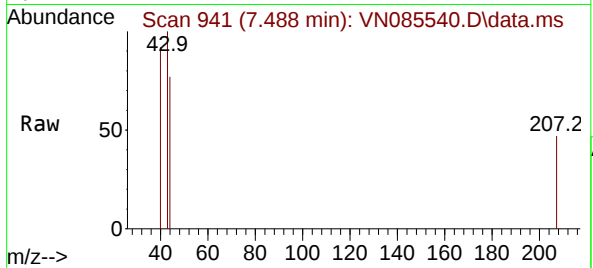




#25
2-Butanone
Concen: 0.544 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

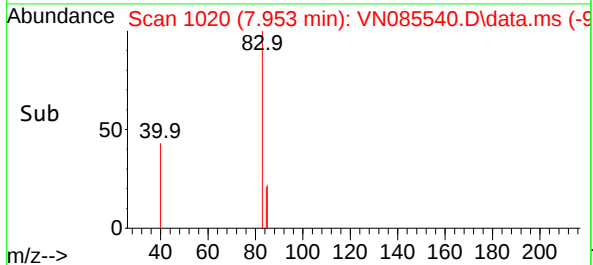
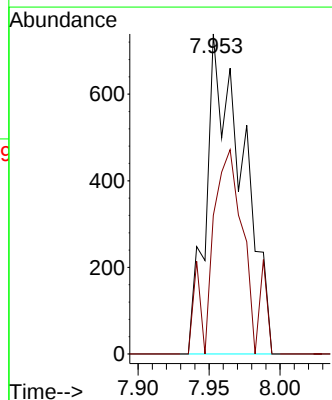
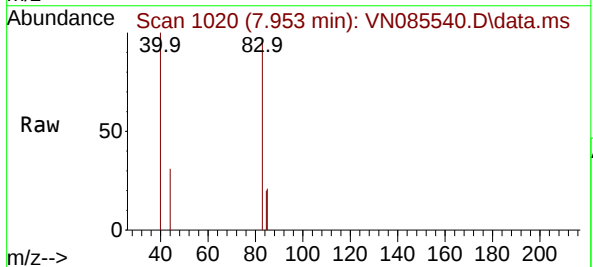
Instrument :
MSVOA_N
ClientSampleId :

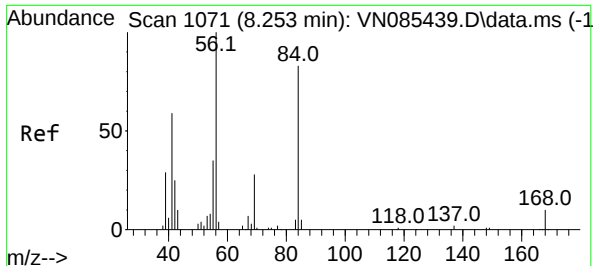
Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#30
Chloroform
Concen: 0.334 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

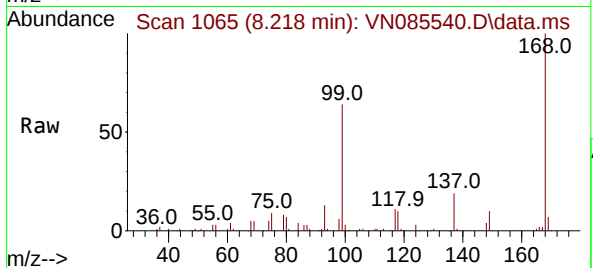
Tgt Ion: 83 Resp: 1319
Ion Ratio Lower Upper
83 100
85 43.3 51.8 77.6#



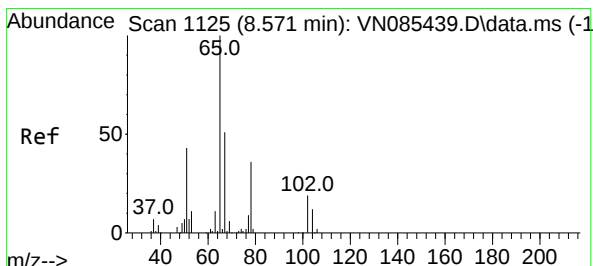
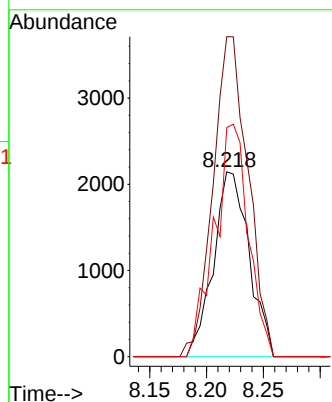
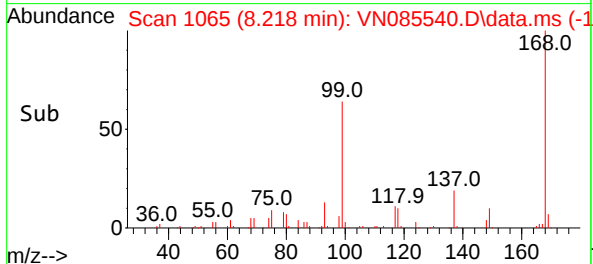


#31
Cyclohexane
Concen: 1.407 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :

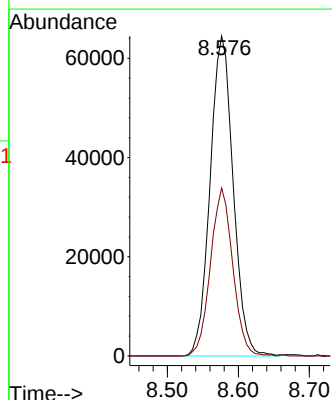
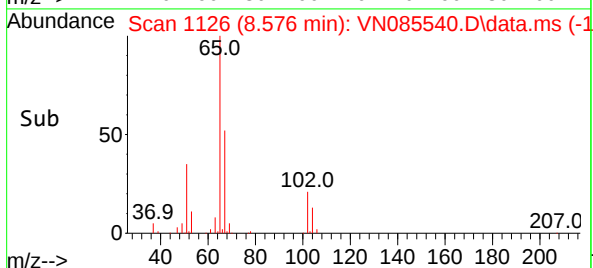
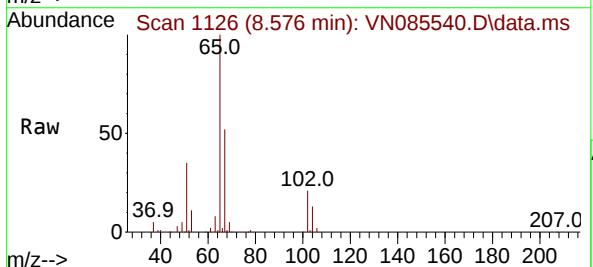


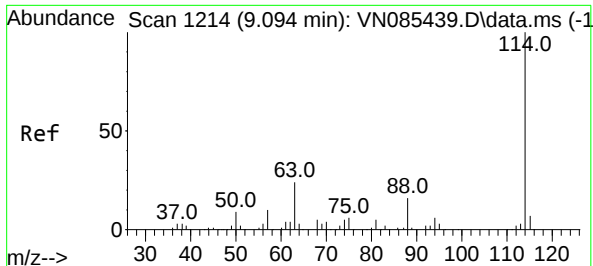
Tgt Ion: 56 Resp: 4669
Ion Ratio Lower Upper
56 100
69 173.2 22.2 33.4#
84 124.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.645 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion: 65 Resp: 145516
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085540.D

Acq: 28 Jan 2025 15:49

Instrument :

MSVOA_N

ClientSampleId :

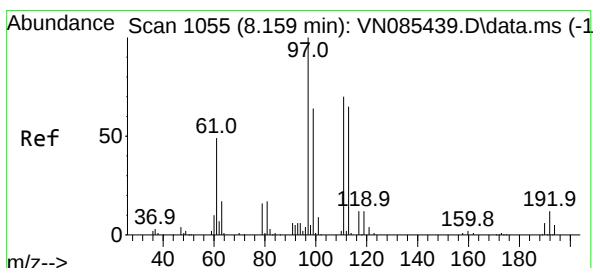
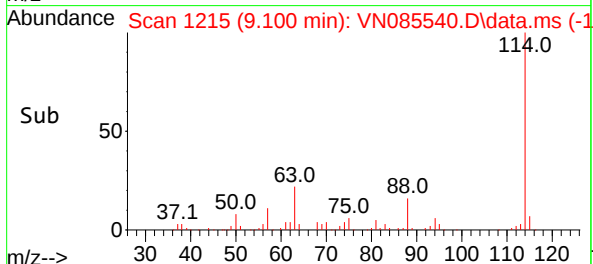
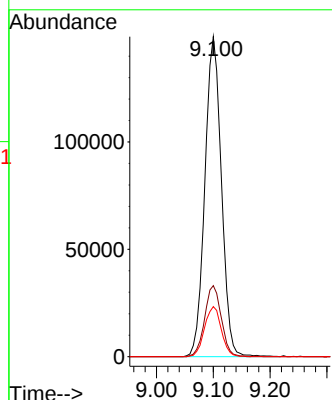
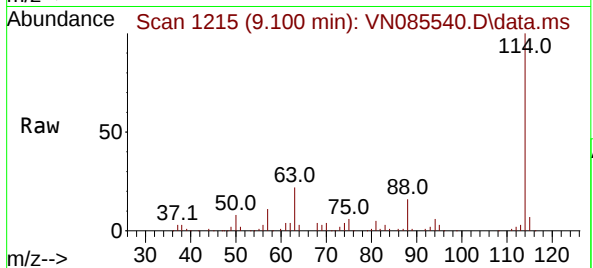
Tgt Ion:114 Resp: 300571

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.450 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085540.D

Acq: 28 Jan 2025 15:49

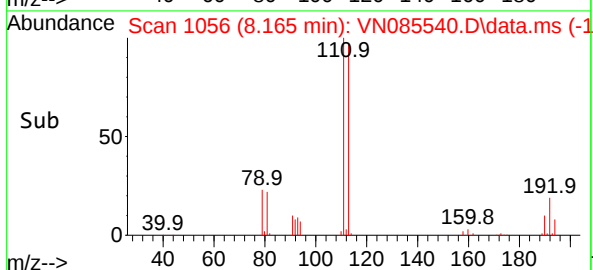
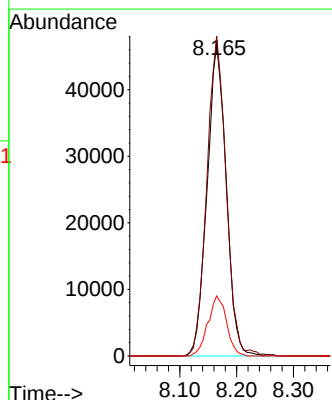
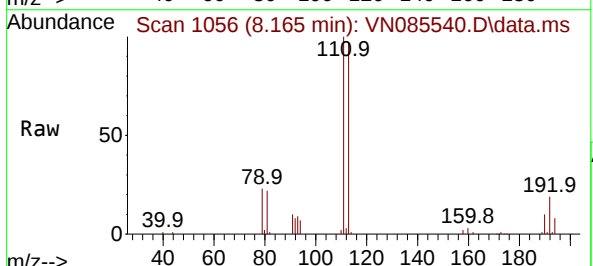
Tgt Ion:113 Resp: 109371

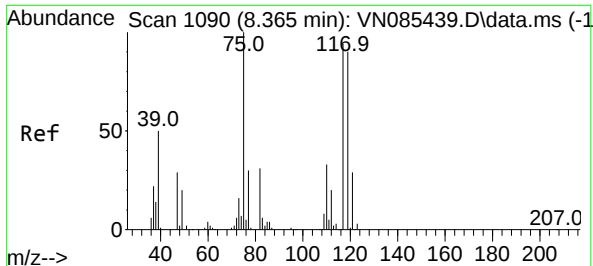
Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 18.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.223 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

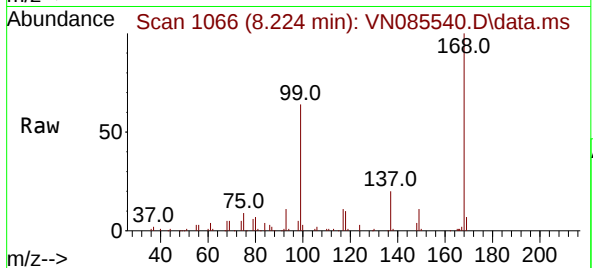
Lab File: VN085540.D

Acq: 28 Jan 2025 15:49

Instrument :

MSVOA_N

ClientSampleId :



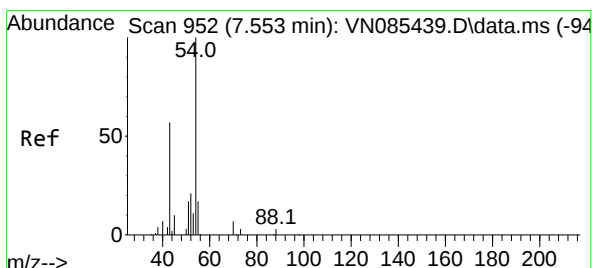
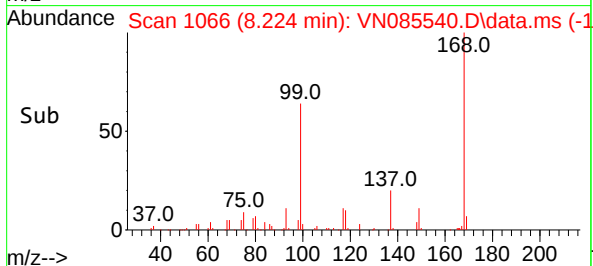
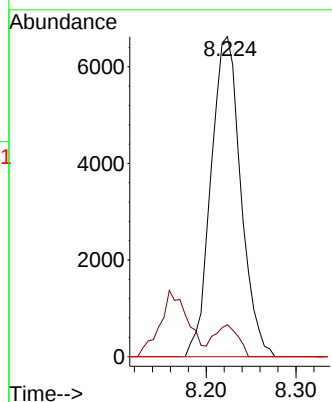
Tgt Ion: 75 Resp: 15285

Ion Ratio Lower Upper

75 100

110 7.9 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.229 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN085540.D

Acq: 28 Jan 2025 15:49

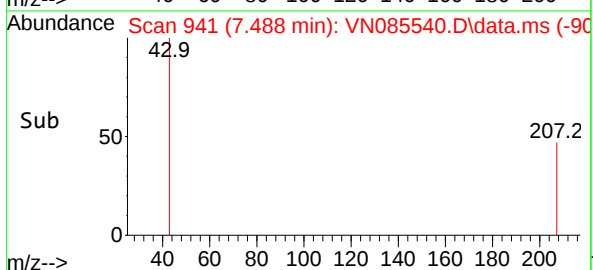
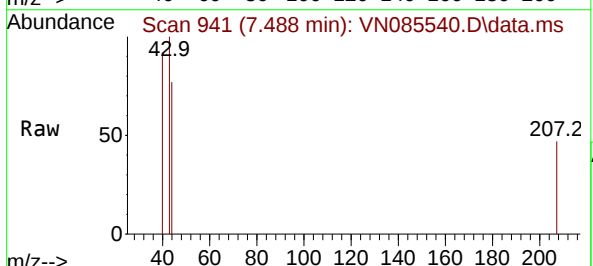
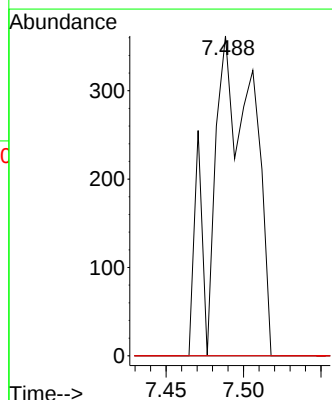
Tgt Ion: 43 Resp: 676

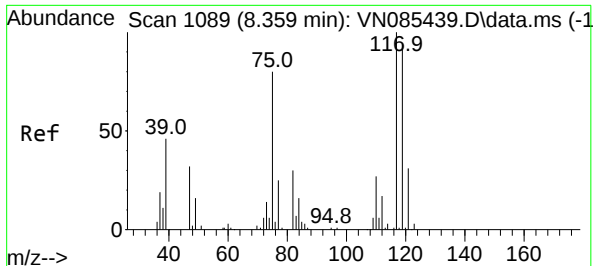
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

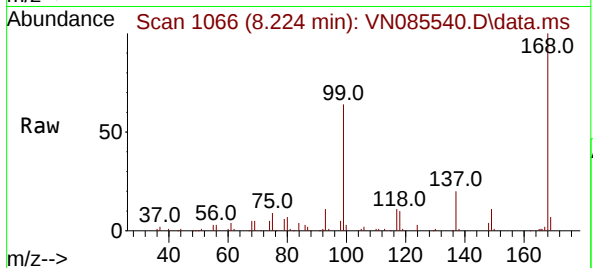
70 0.0 7.5 11.3#



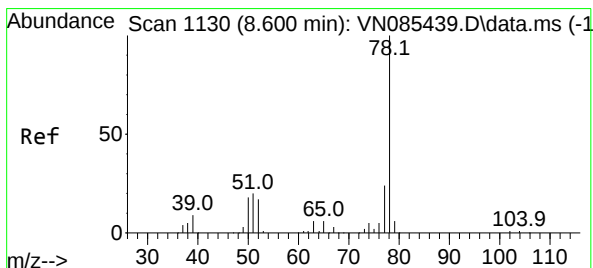
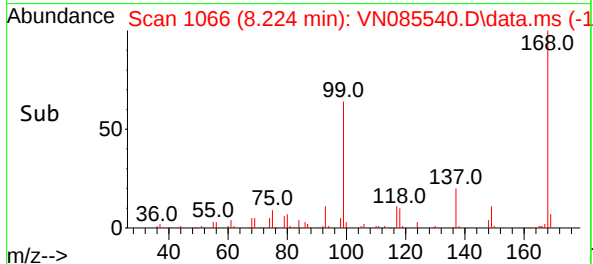
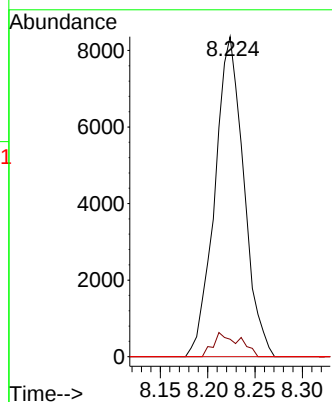


#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :

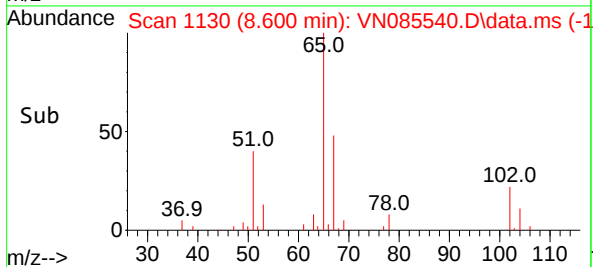
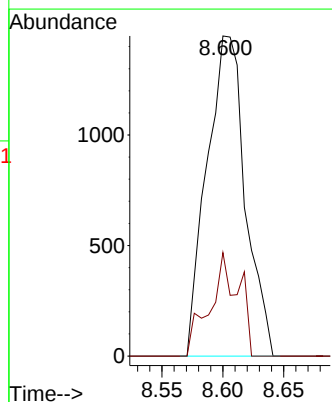
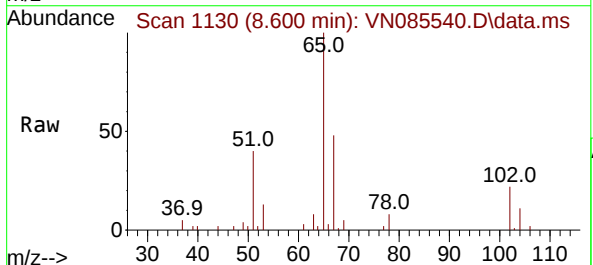


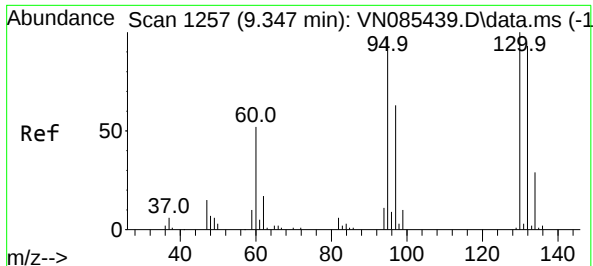
Tgt Ion:117 Resp: 17802
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.361 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion: 78 Resp: 3178
Ion Ratio Lower Upper
78 100
77 32.3 19.0 28.6#

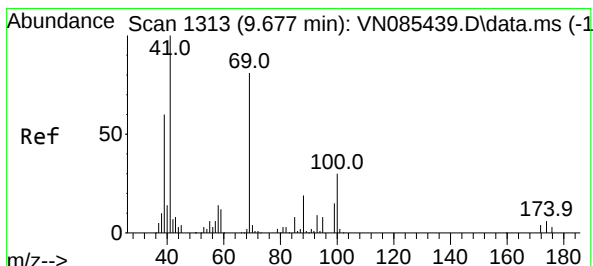
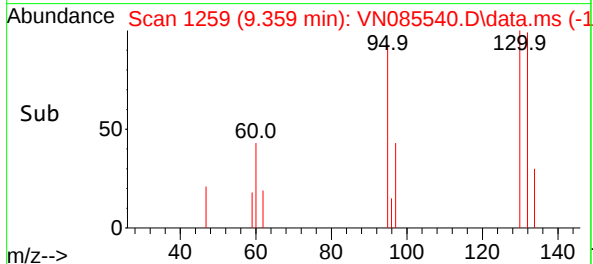
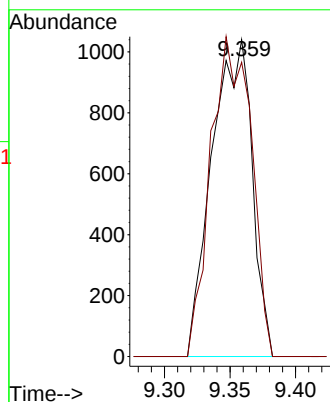
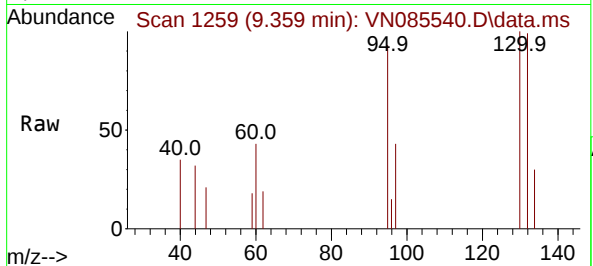




#44
Trichloroethene
Concen: 1.082 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

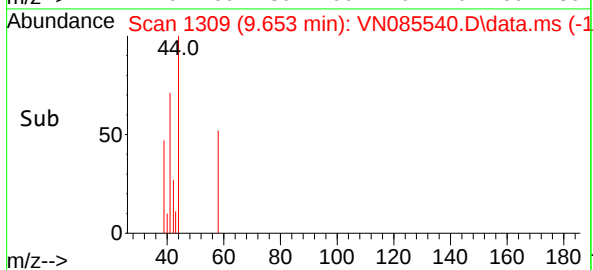
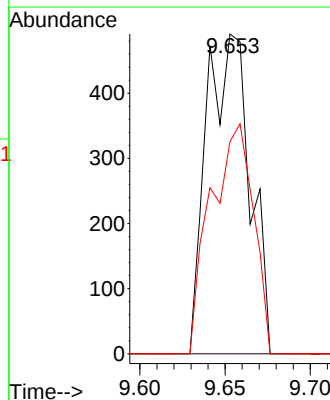
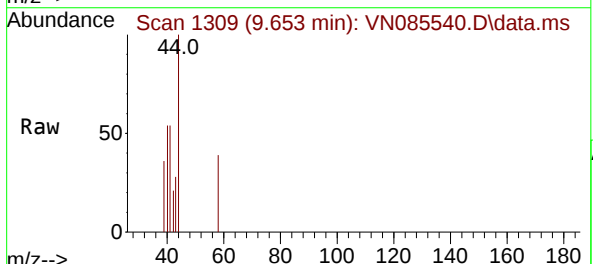
Instrument :
MSVOA_N
ClientSampleId :

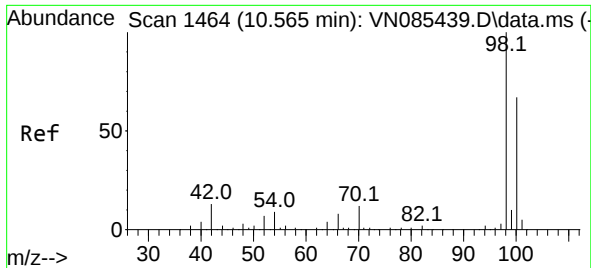
Tgt Ion:130 Resp: 2214
Ion Ratio Lower Upper
130 100
95 92.9 0.0 195.8



#48
Methyl methacrylate
Concen: 0.407 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.024 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion: 41 Resp: 868
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 70.7 49.0 73.6

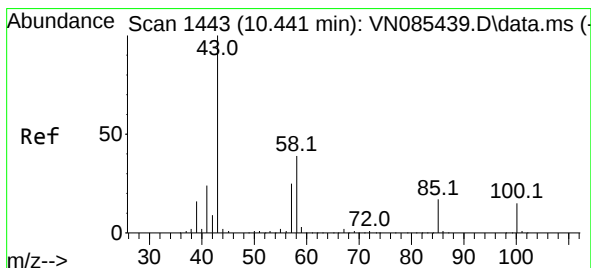
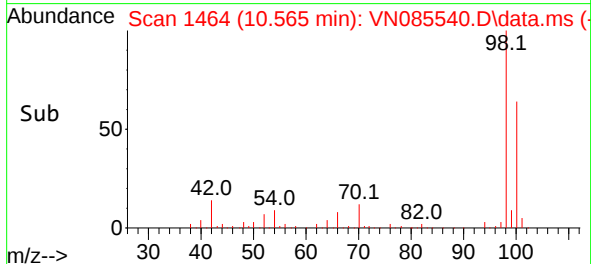
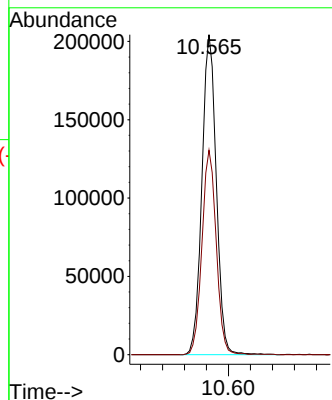
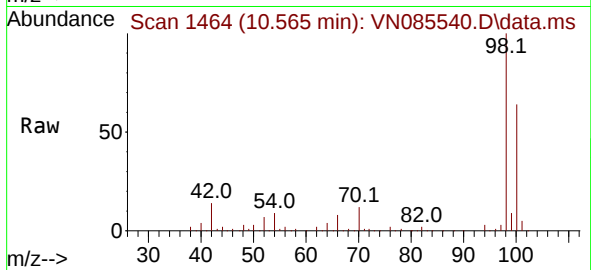




#50
Toluene-d8
Concen: 50.050 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

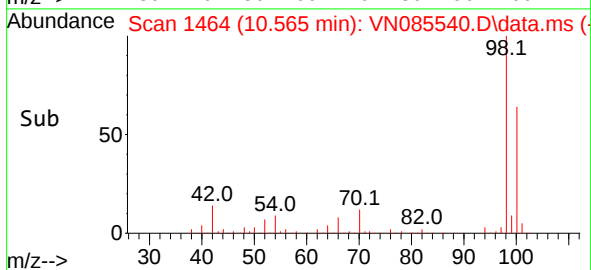
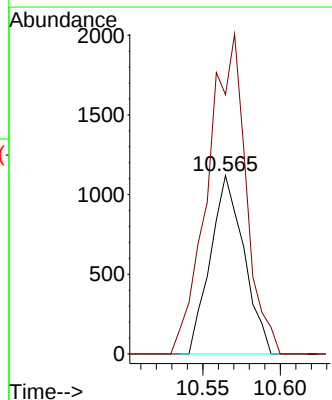
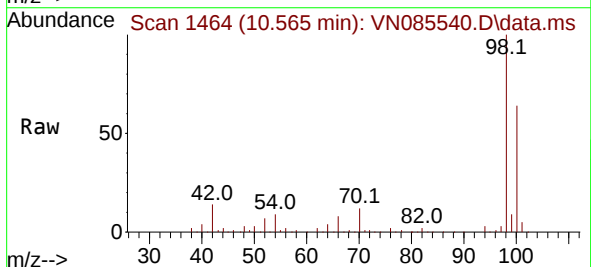
Instrument :
MSVOA_N
ClientSampleId :

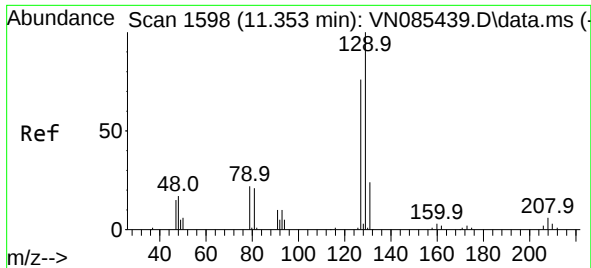
Tgt Ion: 98 Resp: 370808
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.615 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

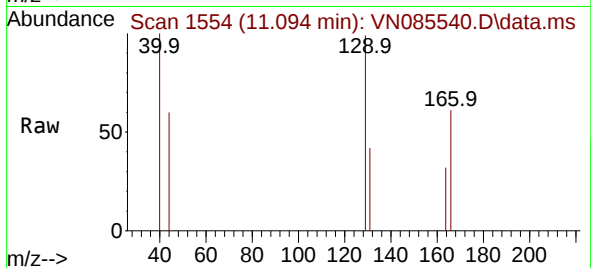
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 203.3 30.5 45.7#



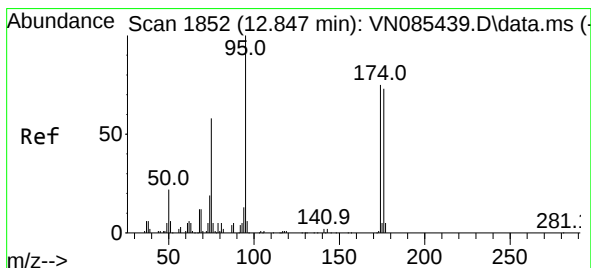
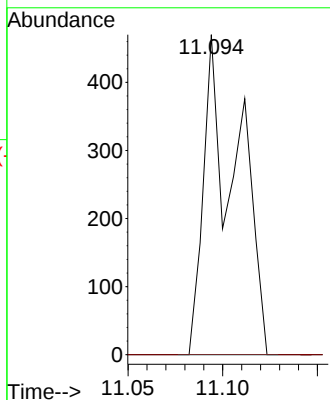
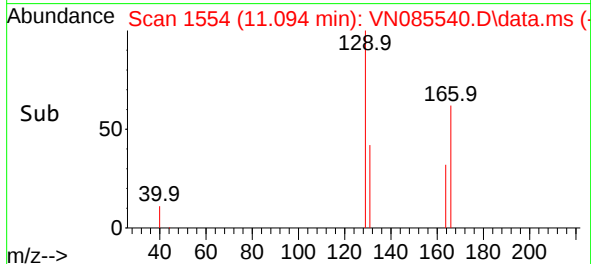


#60
Dibromochloromethane
Concen: 0.236 ug/l
RT: 11.094 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

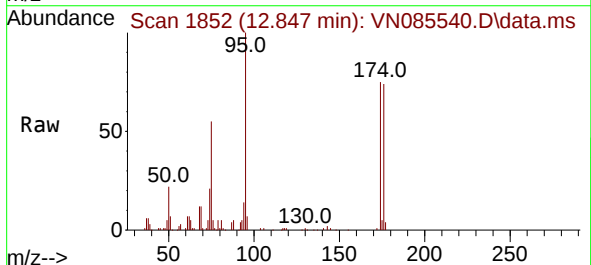
Instrument :
MSVOA_N
ClientSampleId :



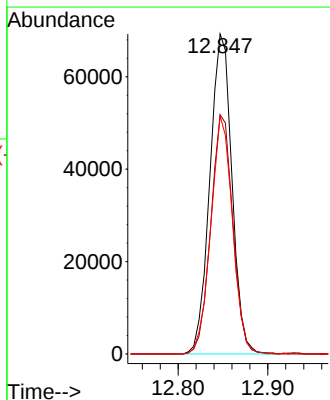
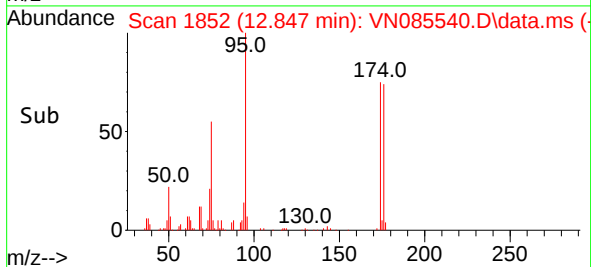
Tgt Ion:129 Resp: 574
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

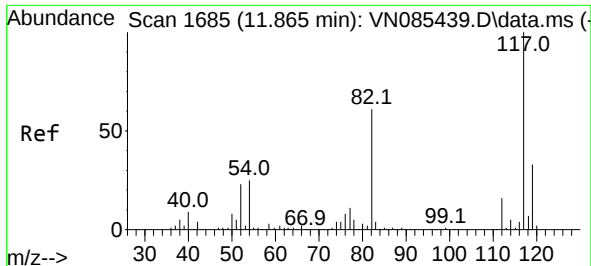


#62
4-Bromofluorobenzene
Concen: 46.627 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49



Tgt Ion: 95 Resp: 118170
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.0
176 73.0 0.0 142.4

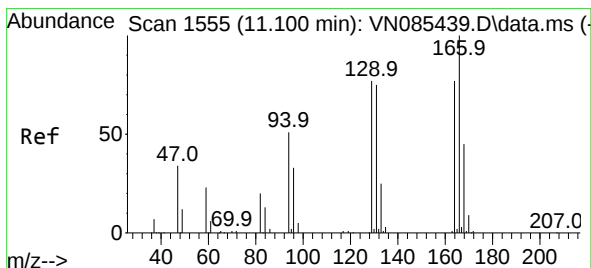
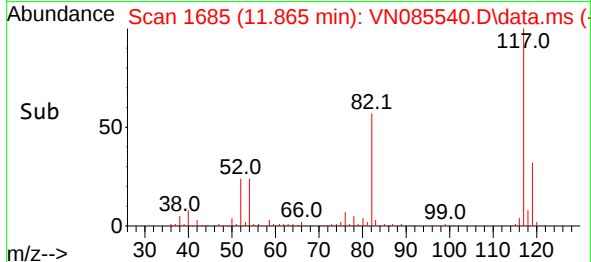
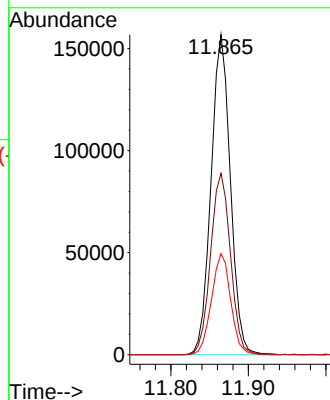
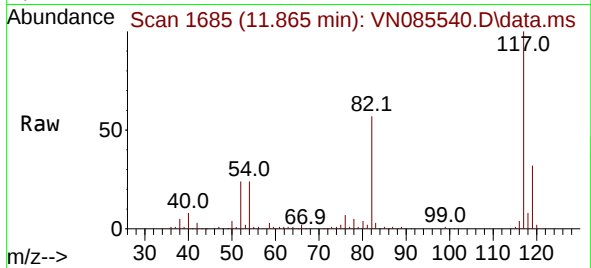




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

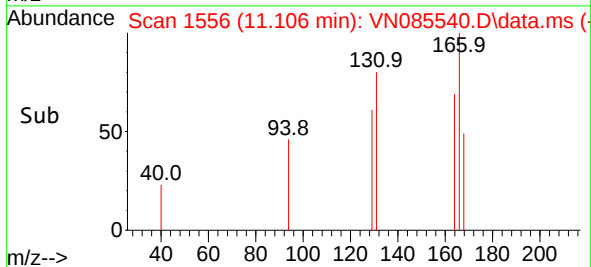
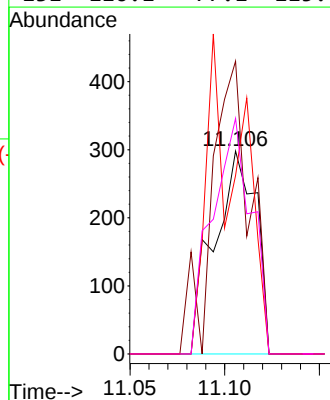
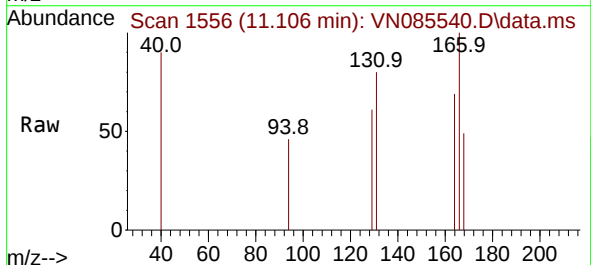
Instrument :
MSVOA_N
ClientSampleId :

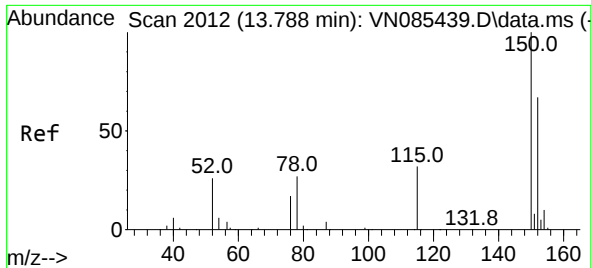
Tgt Ion:117 Resp: 271698
Ion Ratio Lower Upper
117 100
82 56.7 48.6 72.8
119 31.5 26.6 39.8



#64
Tetrachloroethene
Concen: 0.245 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion:164 Resp: 454
Ion Ratio Lower Upper
164 100
166 144.3 103.4 155.2
129 87.9 79.2 118.8
131 116.1 77.1 115.7#

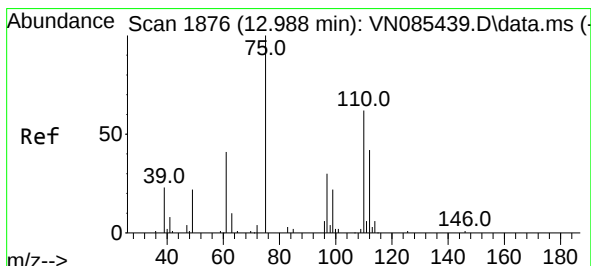
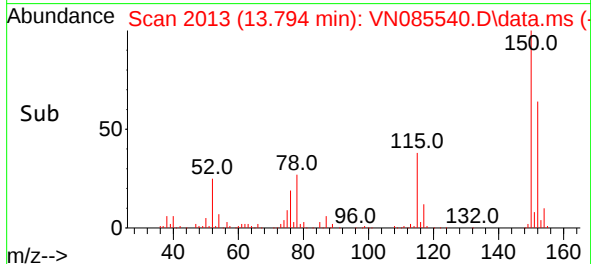
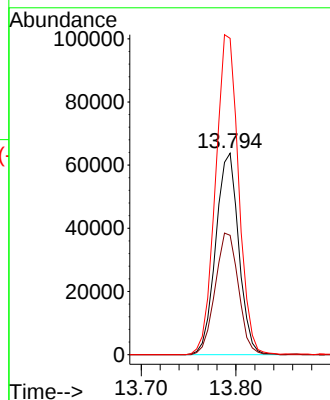
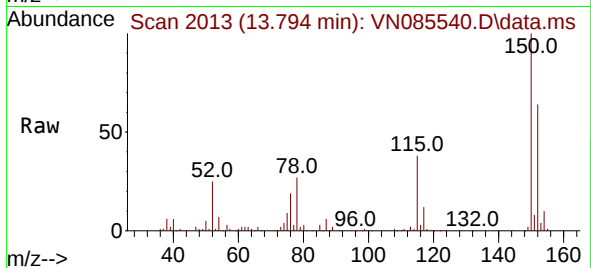




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN085540.D
 Acq: 28 Jan 2025 15:49

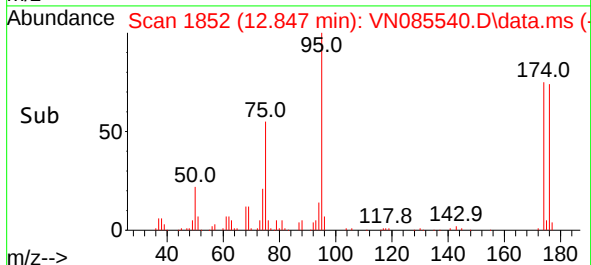
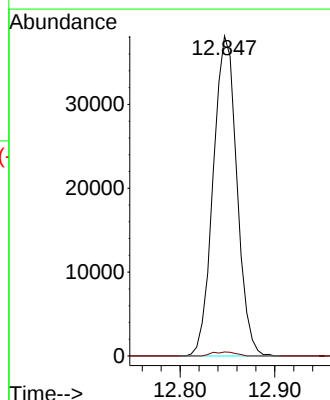
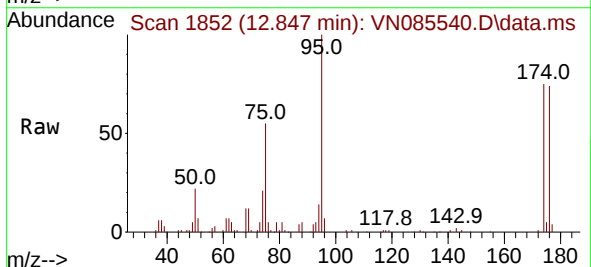
Instrument :
 MSVOA_N
 ClientSampleId :

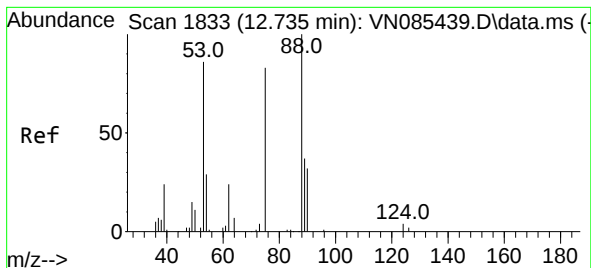
Tgt Ion:152 Resp: 107447
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.1 93.3
 150 160.0 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 30.333 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085540.D
 Acq: 28 Jan 2025 15:49

Tgt Ion: 75 Resp: 66244
 Ion Ratio Lower Upper
 75 100
 77 1.2 109.7 329.2#

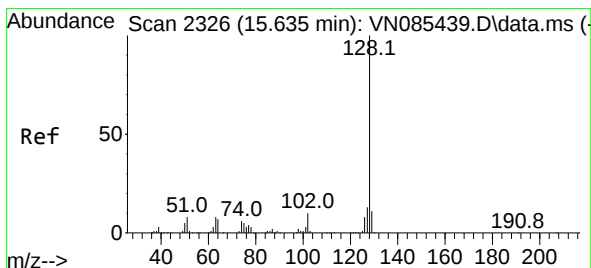
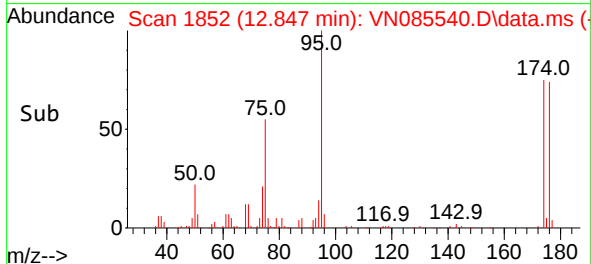
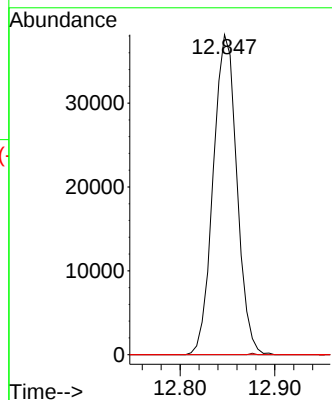
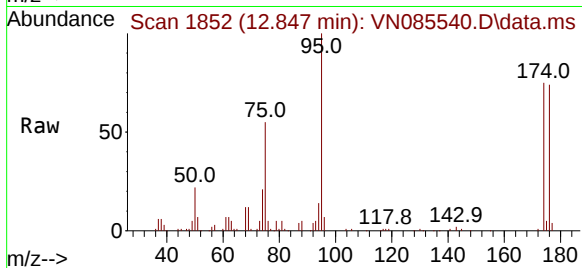




#81
trans-1,4-Dichloro-2-butene
Concen: 82.068 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 66244
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 0.758 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085540.D
Acq: 28 Jan 2025 15:49

Tgt Ion:128 Resp: 3659
Ion Ratio Lower Upper
128 100
127 5.5 10.6 16.0#
129 5.7 8.8 13.2#

