

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN085001.D
 Acq On : 21 Nov 2024 18:08
 Operator : JC\MD
 Sample : P4892-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 22 04:38:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

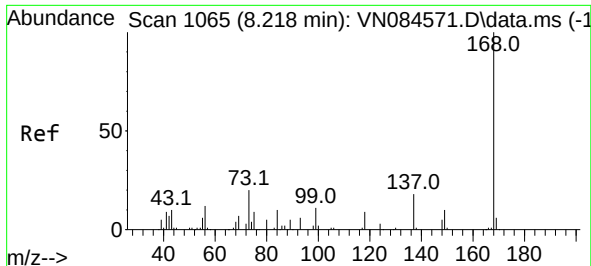
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	163820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121255	51.246	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	8.165	113	95988	47.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.280%			
50) Toluene-d8	10.565	98	346670	46.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.420%			
62) 4-Bromofluorobenzene	12.847	95	128097	46.178	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	737	Below Cal	#	41
6) Chloroethane	3.095	64	633	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	1053	3.372	ug/l #	73
13) Acrolein	4.177	56	237	0.761	ug/l #	41
16) Acetone	4.436	43	21682	29.204	ug/l	100
18) Methyl Acetate	5.030	43	4178	Below Cal	#	88
20) Methylene Chloride	5.253	84	867	0.417	ug/l #	78
25) 2-Butanone	7.483	43	3293	2.983	ug/l	91
29) Tetrahydrofuran	7.853	42	525	0.717	ug/l #	44
31) Cyclohexane	8.218	56	3732	1.142	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14314	5.122	ug/l #	52
37) Ethyl Acetate	7.553	43	2384	0.940	ug/l #	89
38) Carbon Tetrachloride	8.218	117	18222	5.834	ug/l #	14
42) 1,2-Dichloroethane	8.682	62	650	0.224	ug/l #	75
43) Isopropyl Acetate	8.688	43	198742	42.282	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1070	0.508	ug/l #	44
48) Methyl methacrylate	9.665	41	3013	1.527	ug/l #	13
51) 4-Methyl-2-Pentanone	10.441	43	7587	3.139	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	30456	8.878	ug/l #	62
56) Ethyl methacrylate	10.988	69	1271	0.444	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3539	1.043	ug/l #	42
59) 2-Hexanone	11.165	43	71862	40.848	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	64921	29.035	ug/l #	1
79) 2-Chlorotoluene	13.217	91	1275	0.212	ug/l	79
81) trans-1,4-Dichloro-2-b...	12.847	75	64921	68.883	ug/l #	11
82) 4-Chlorotoluene	13.217	91	1275	0.202	ug/l	79
88) 1,4-Dichlorobenzene	13.735	146	782	Below Cal		83
93) 1,2,4-Trichlorobenzene	15.388	180	756	0.350	ug/l	71
95) Naphthalene	15.647	128	2715	0.419	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.847	180	712	0.339	ug/l #	85

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

Quant Time: Nov 22 04:38:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

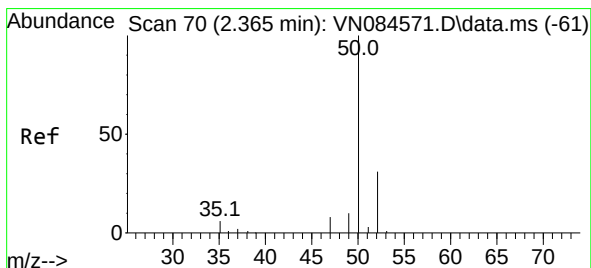
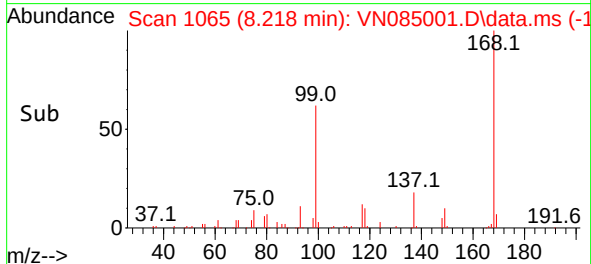
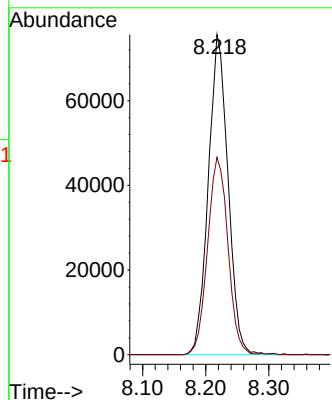
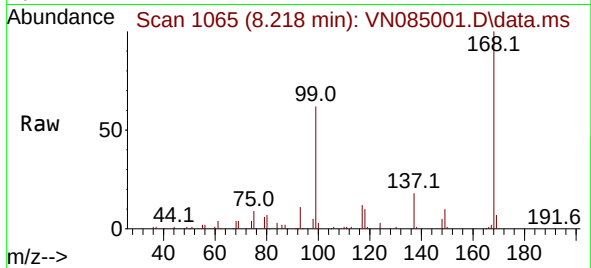




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

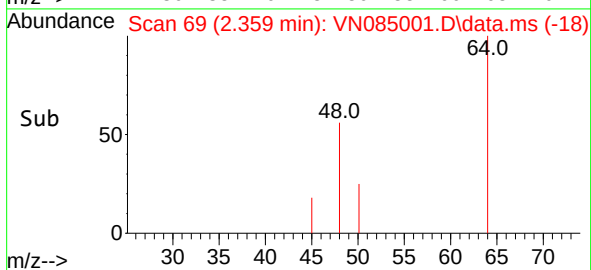
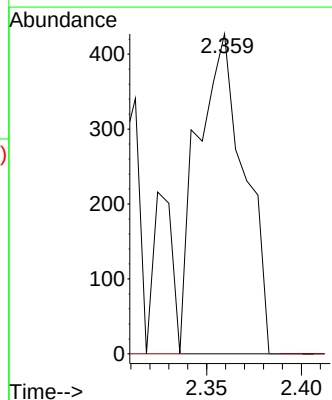
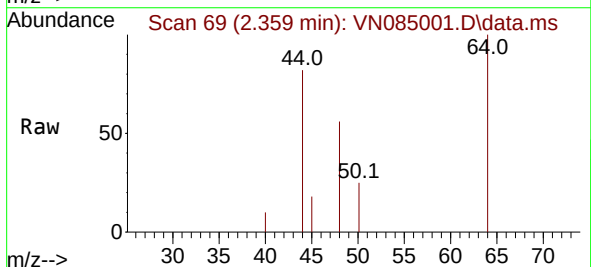
Instrument :
MSVOA_N
ClientSampleId :

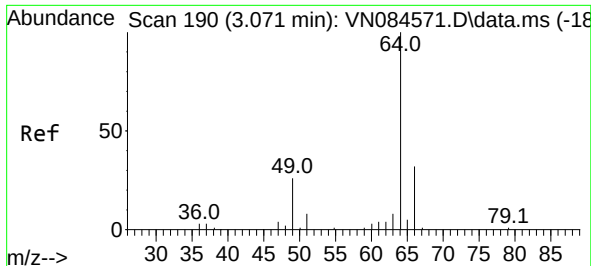
Tgt Ion:168 Resp: 163820
Ion Ratio Lower Upper
168 100
99 61.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 50 Resp: 737
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

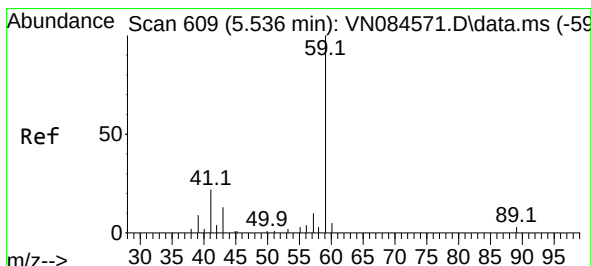
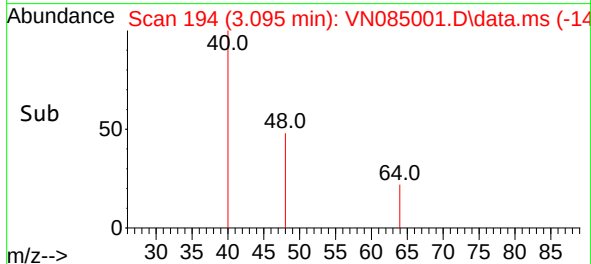
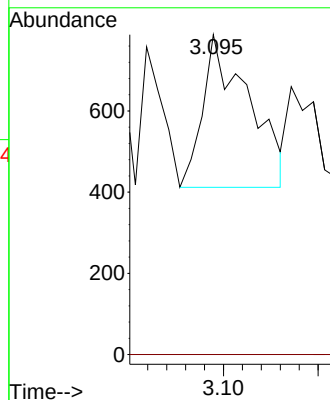
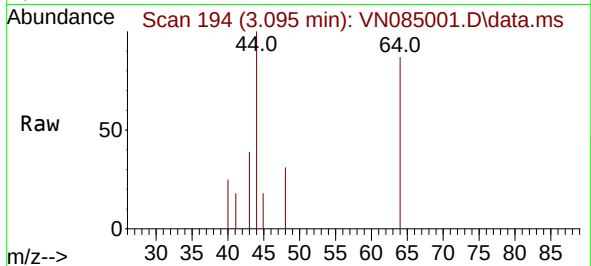




#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 190
Delta R.T. -0.023 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

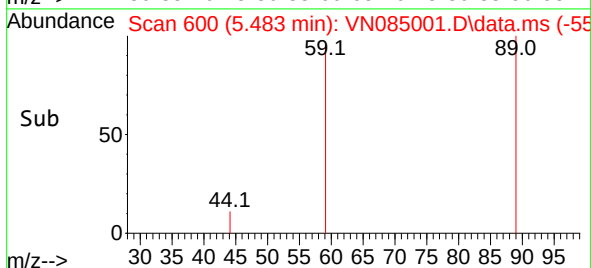
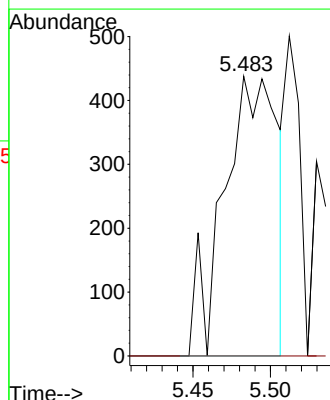
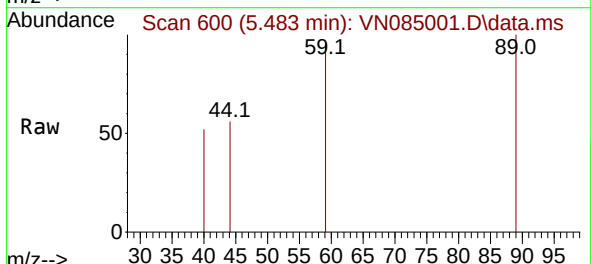
Instrument :
MSVOA_N
ClientSampleId :

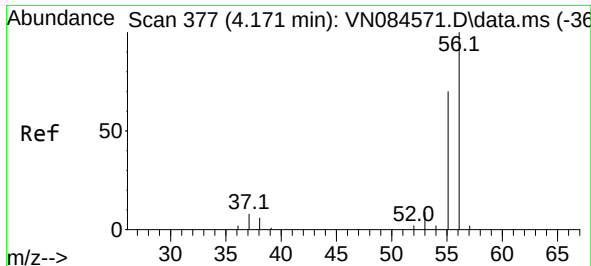
Tgt Ion: 64 Resp: 633
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 3.372 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

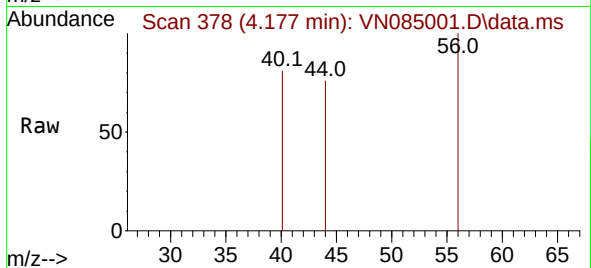
Tgt Ion: 59 Resp: 1053
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



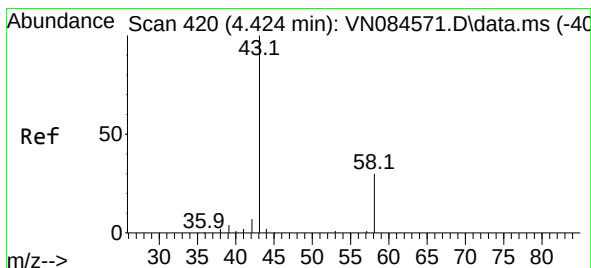
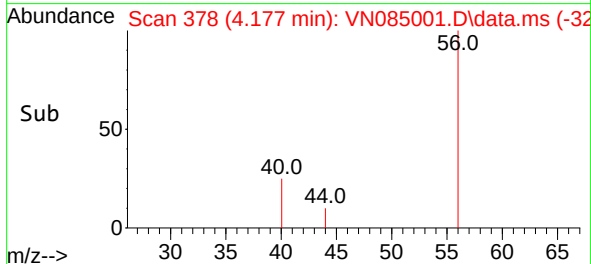
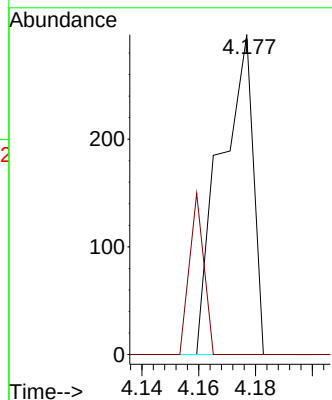


#13
Acrolein
Concen: 0.761 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

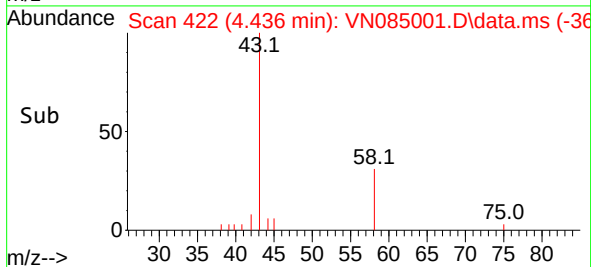
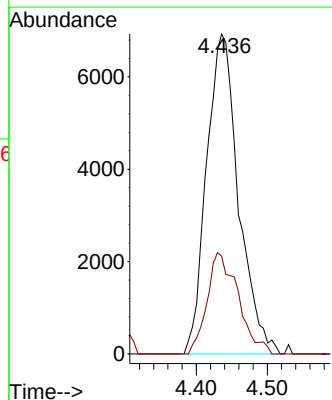
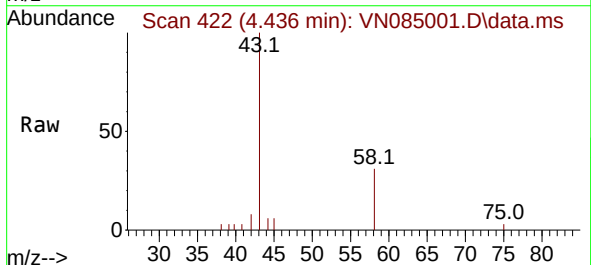


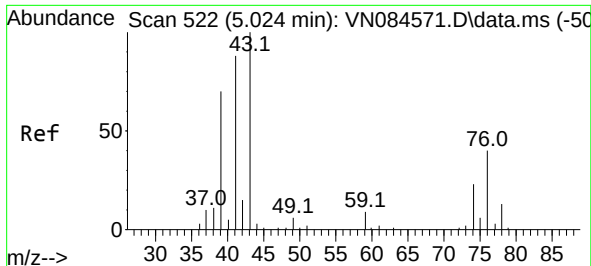
Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 22.4 57.2 85.8#



#16
Acetone
Concen: 29.204 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

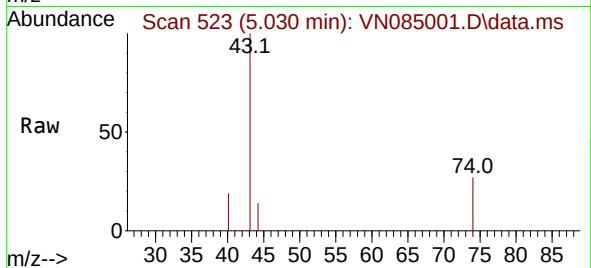
Tgt Ion: 43 Resp: 21682
Ion Ratio Lower Upper
43 100
58 30.6 24.4 36.6



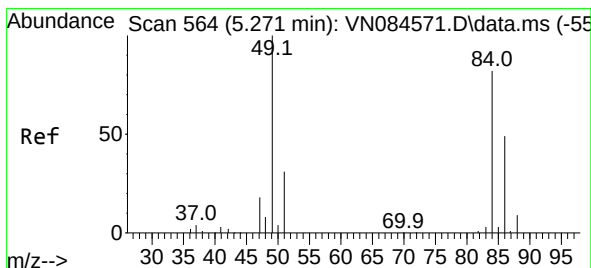
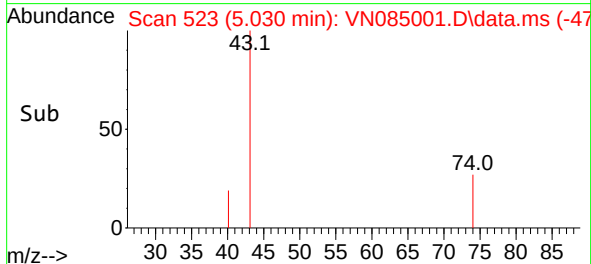
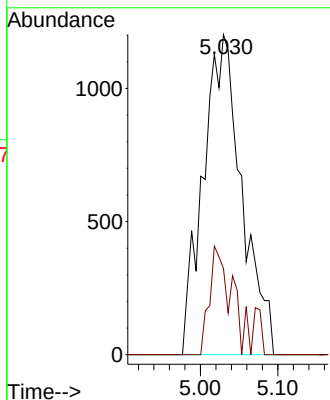


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

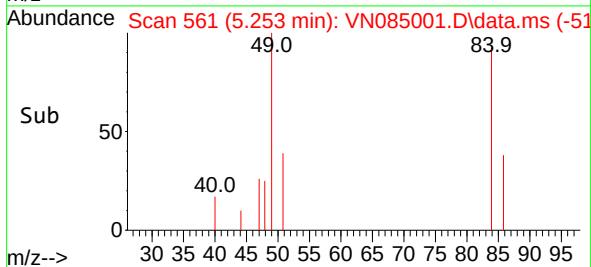
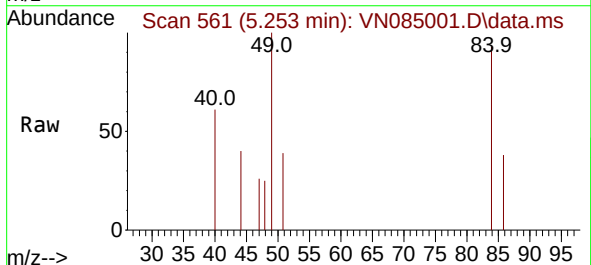
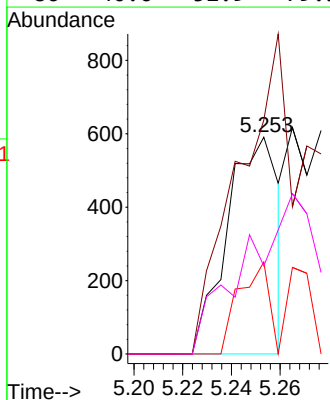


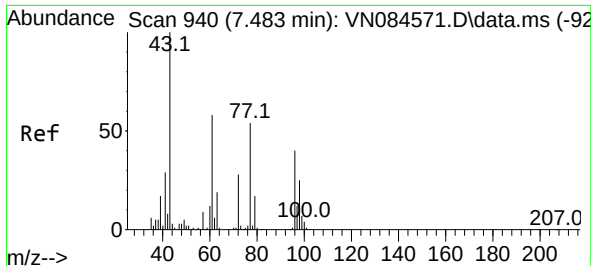
Tgt Ion: 43 Resp: 4178
Ion Ratio Lower Upper
43 100
74 18.1 19.2 28.8#



#20
Methylene Chloride
Concen: 0.417 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.024 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

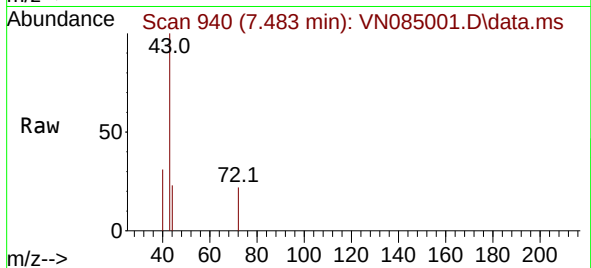
Tgt Ion: 84 Resp: 867
Ion Ratio Lower Upper
84 100
49 107.8 107.2 160.8
51 42.5 31.8 47.8
86 40.6 52.9 79.3#



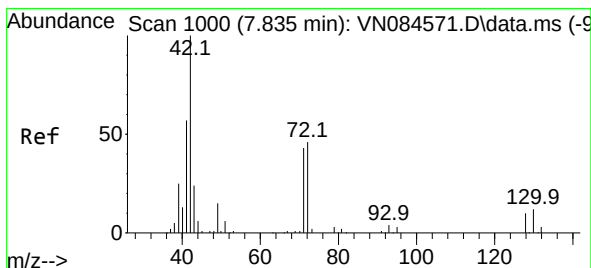
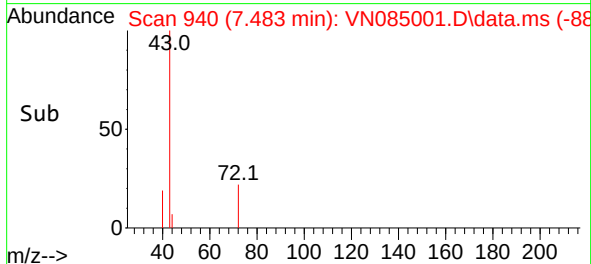
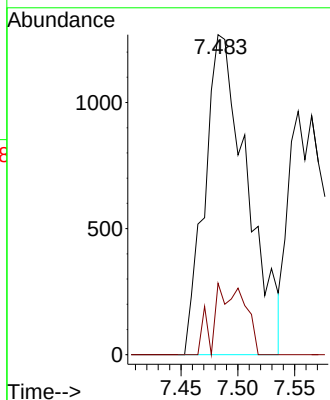


#25
2-Butanone
Concen: 2.983 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

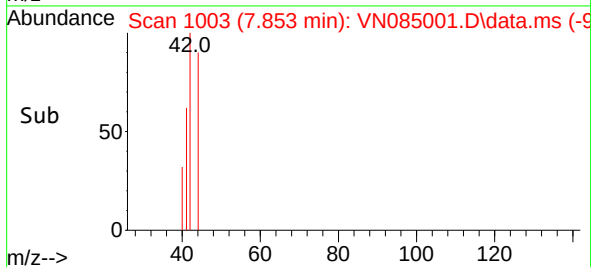
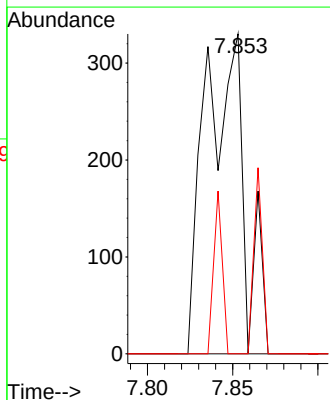
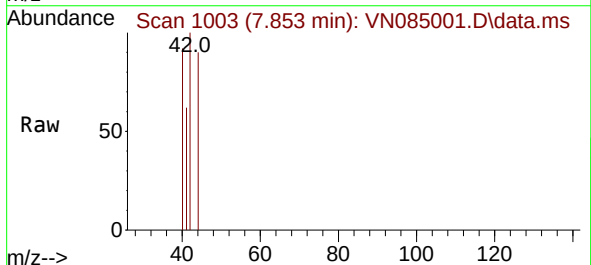


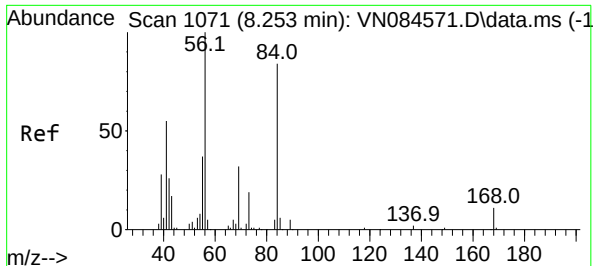
Tgt Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
72 22.3 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.717 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

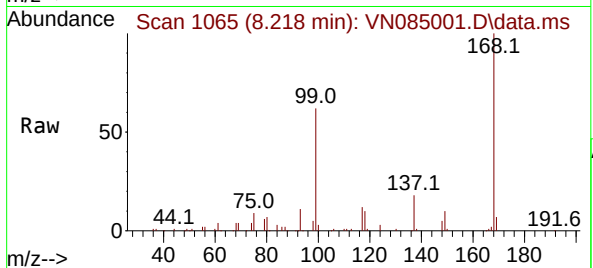
Tgt Ion: 42 Resp: 525
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 13.0 32.2 48.4#



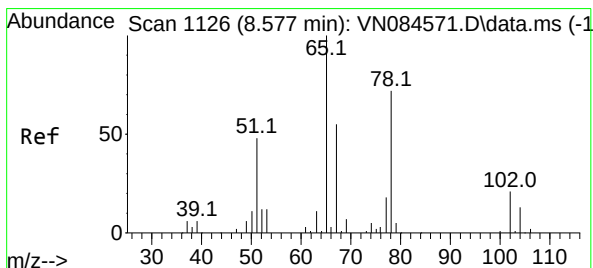
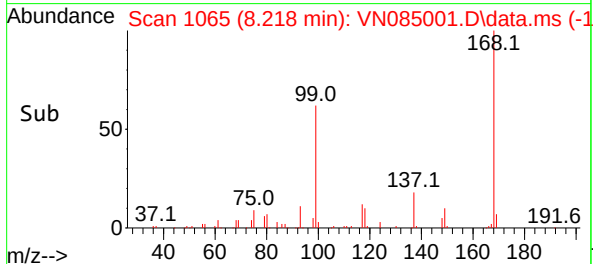
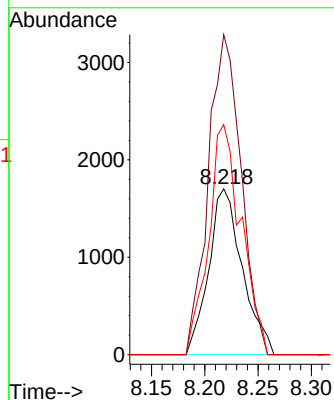


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

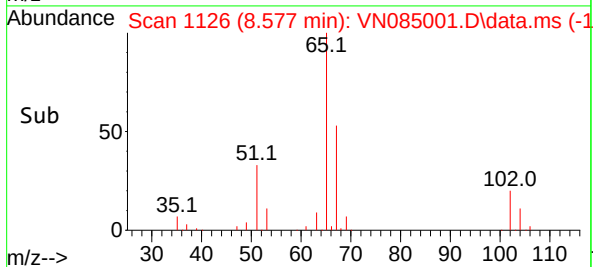
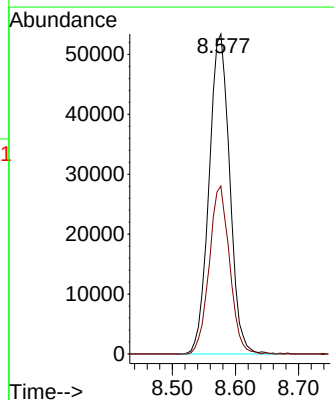
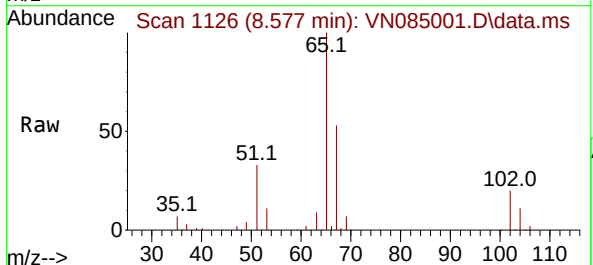


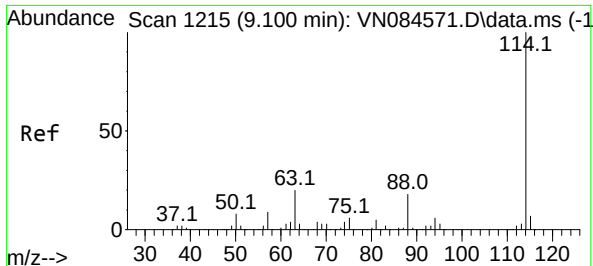
Tgt Ion: 56 Resp: 3732
Ion Ratio Lower Upper
56 100
69 192.9 23.8 35.6#
84 138.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.246 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 65 Resp: 121255
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0

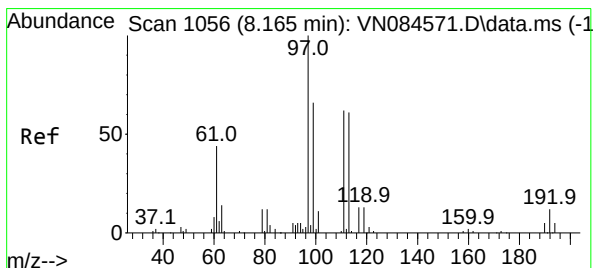
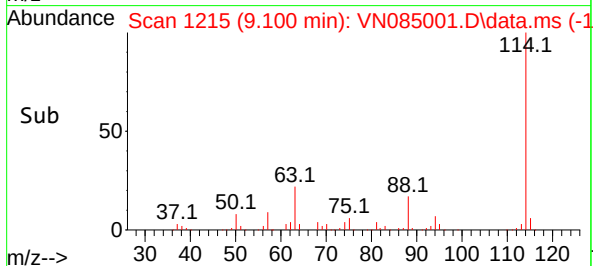
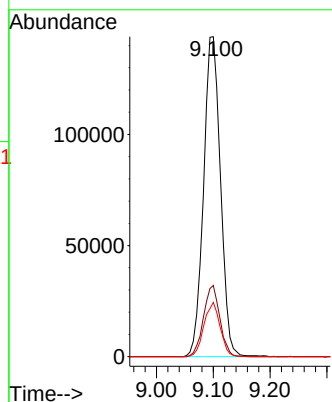
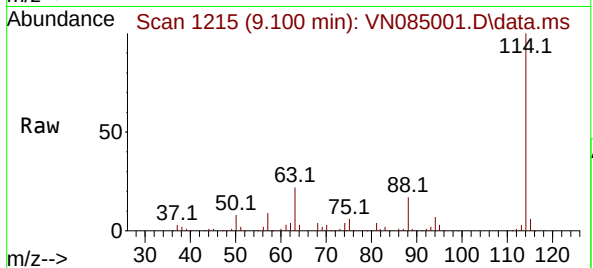




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

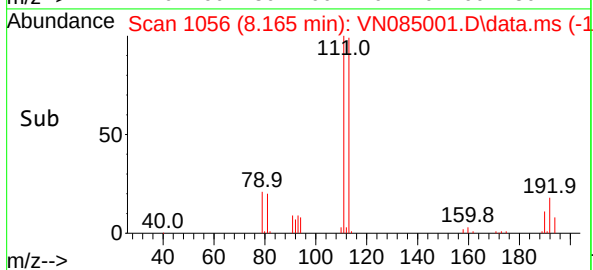
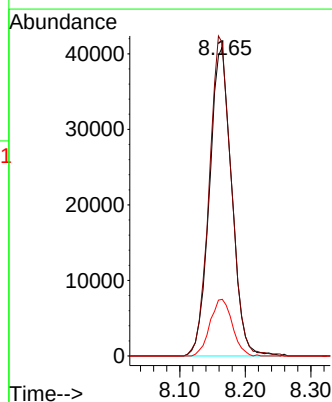
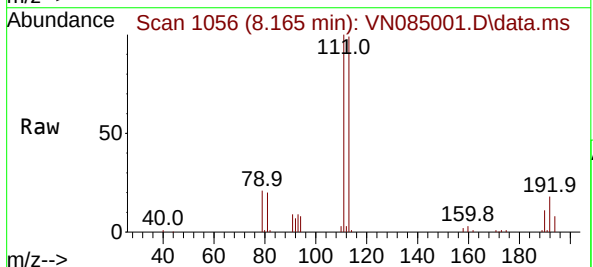
Instrument :
MSVOA_N
ClientSampleId :

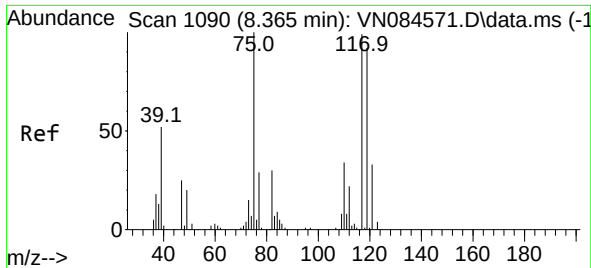
Tgt Ion:114 Resp: 297677
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.8
88 16.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.639 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

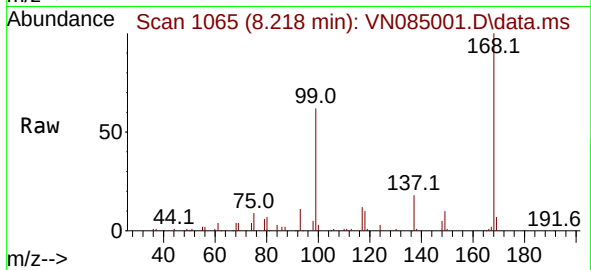
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Ion Ratio Lower Upper
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111 103.1 83.3 124.9
192 18.4 13.5 20.3



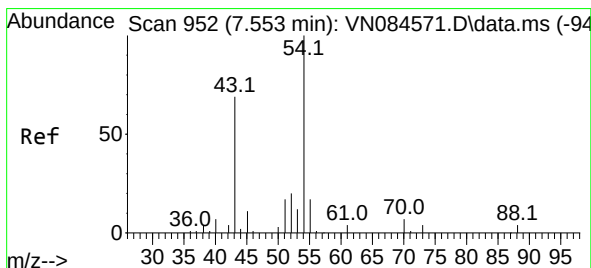
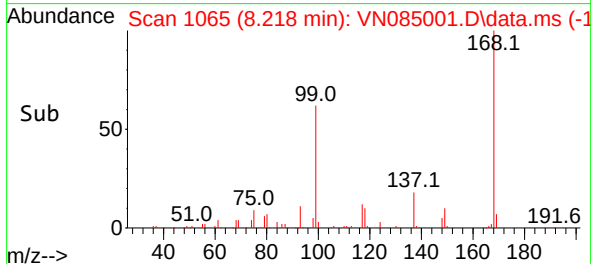
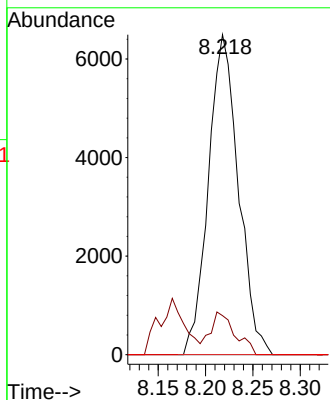


#36
1,1-Dichloropropene
Concen: 5.122 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

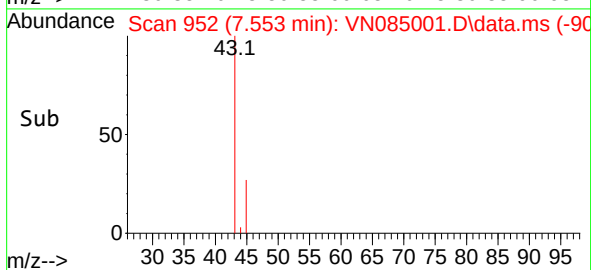
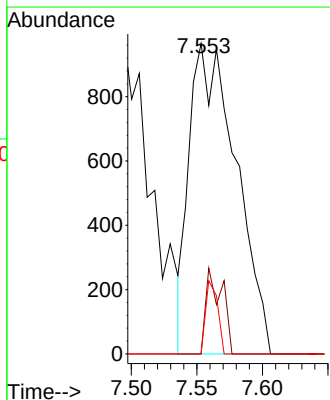
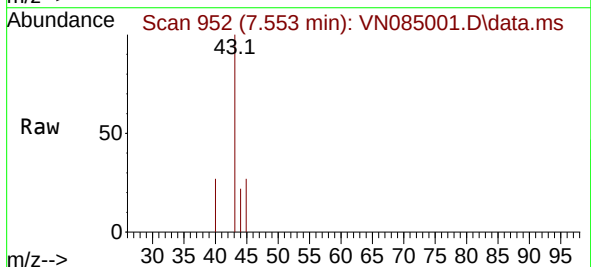


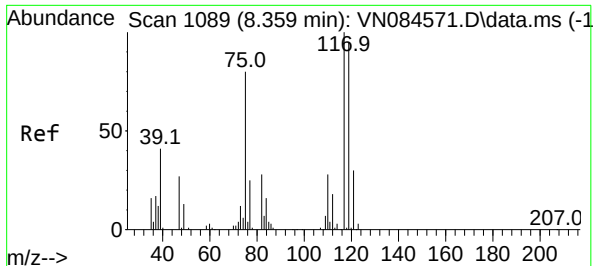
Tgt Ion: 75 Resp: 14314
Ion Ratio Lower Upper
75 100
110 10.9 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.940 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

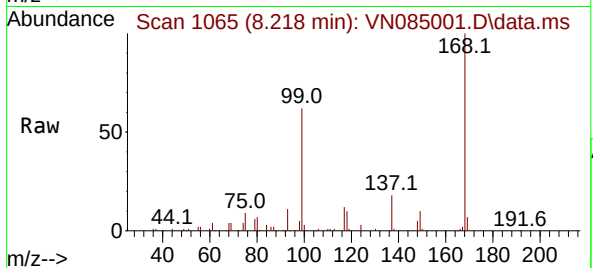
Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
61 9.6 10.7 16.1#
70 6.0 8.8 13.2#



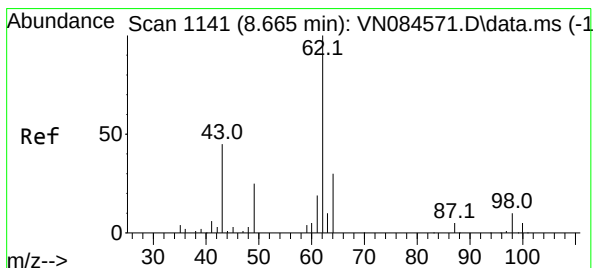
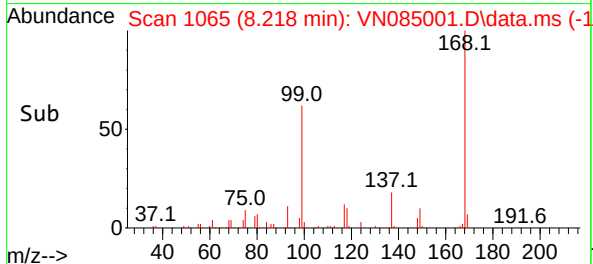
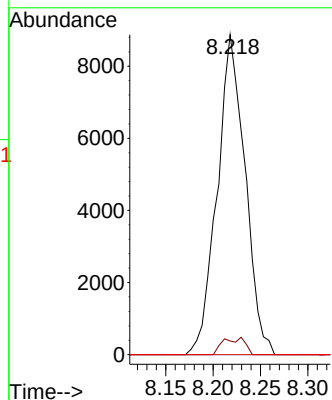


#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

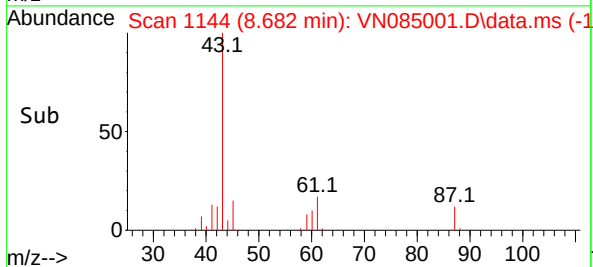
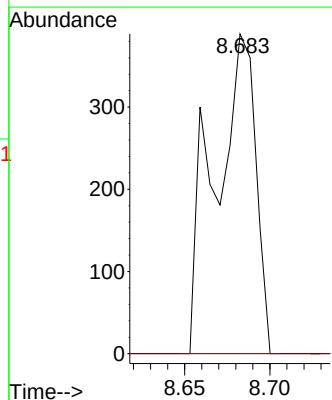
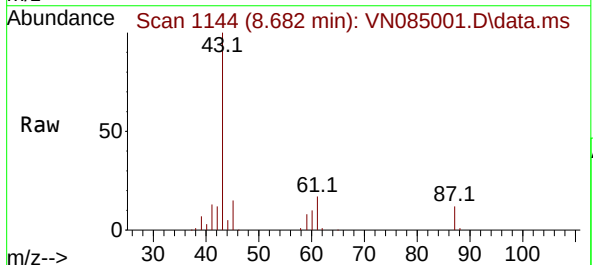


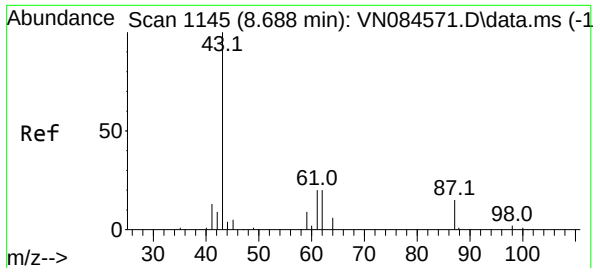
Tgt Ion:117 Resp: 18222
Ion Ratio Lower Upper
117 100
119 4.3 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.224 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.011 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 62 Resp: 650
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

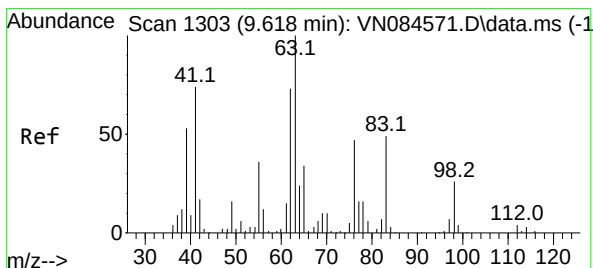
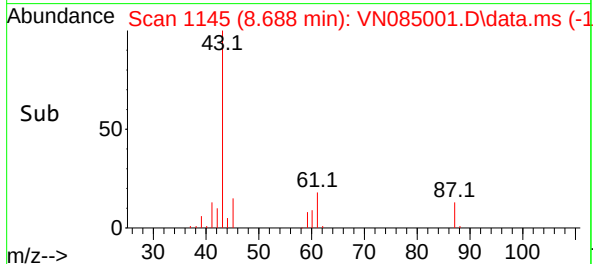
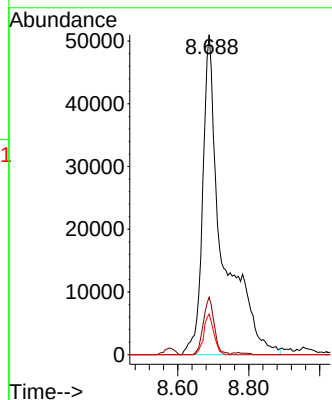
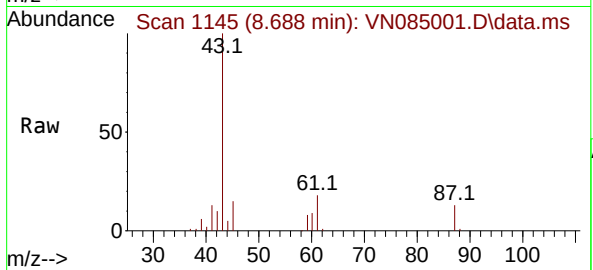




#43
Isopropyl Acetate
Concen: 42.282 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

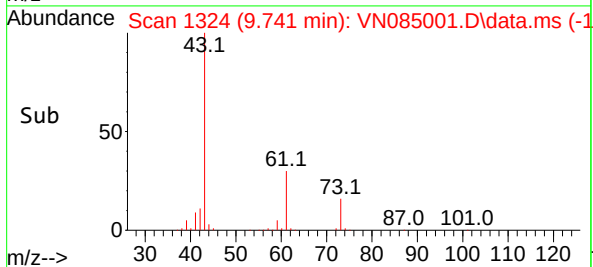
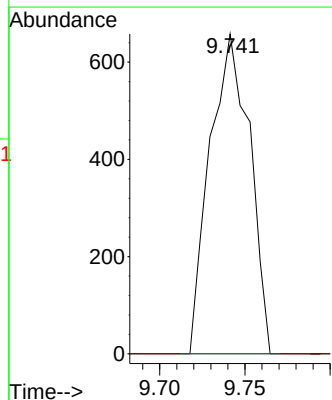
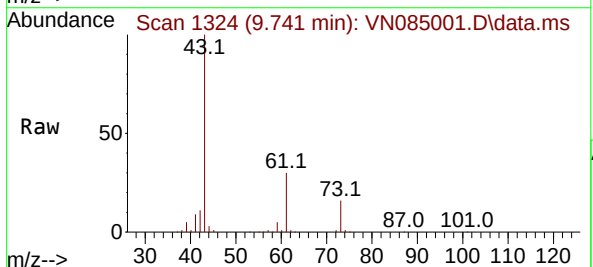
Instrument :
MSVOA_N
ClientSampleId :

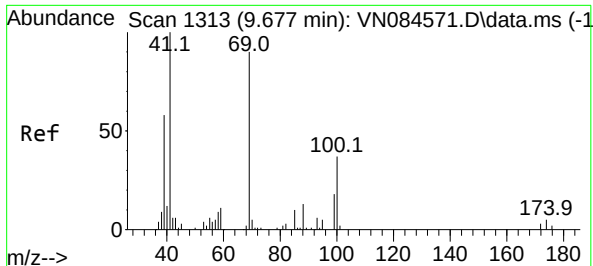
Tgt Ion: 43 Resp: 198742
Ion Ratio Lower Upper
43 100
61 9.8 20.4 30.6#
87 6.4 10.3 15.5#



#45
1,2-Dichloropropane
Concen: 0.508 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 63 Resp: 1070
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

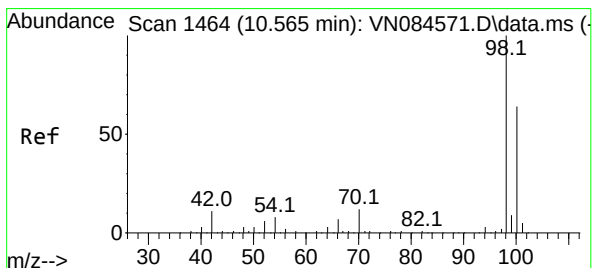
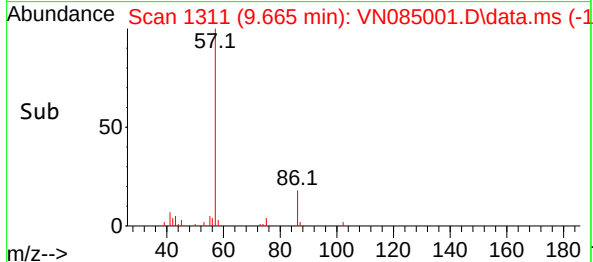
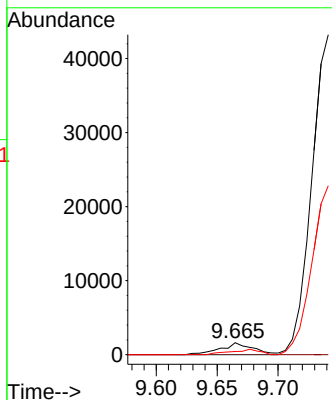
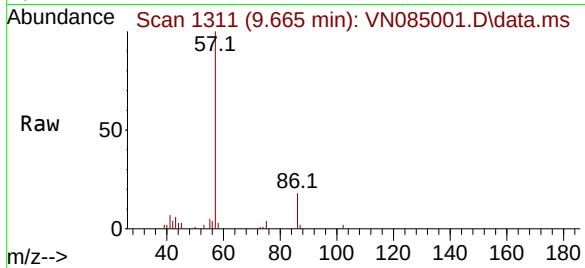




#48
Methyl methacrylate
Concen: 1.527 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

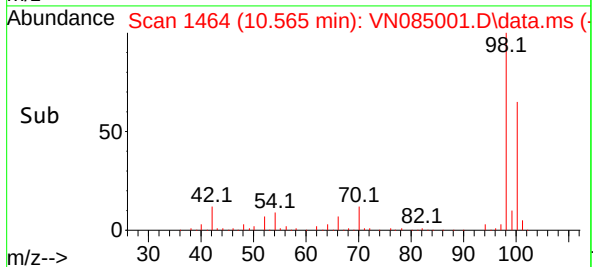
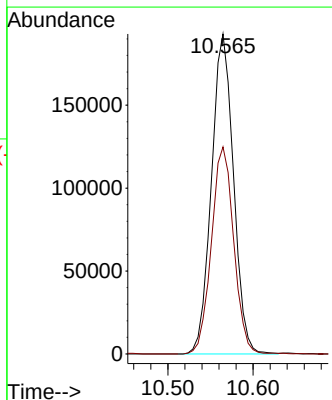
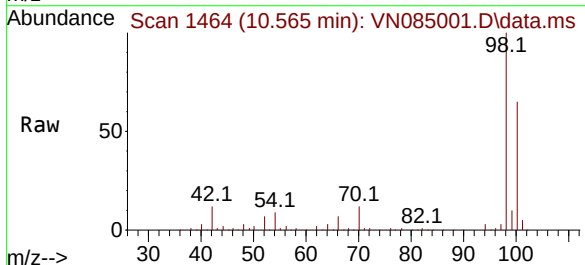
Instrument :
MSVOA_N
ClientSampleId :

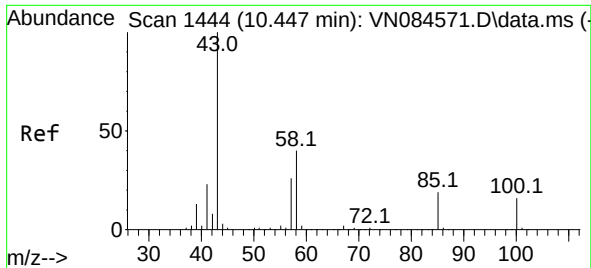
Tgt Ion: 41 Resp: 3013
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 0.0 45.8 68.6#



#50
Toluene-d8
Concen: 46.707 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 98 Resp: 346670
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

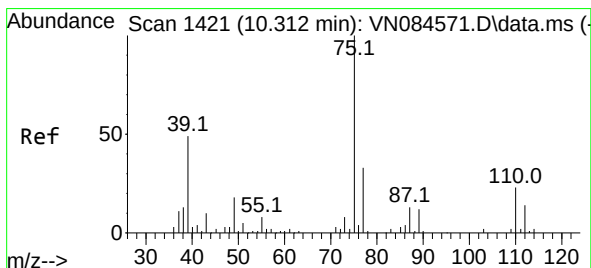
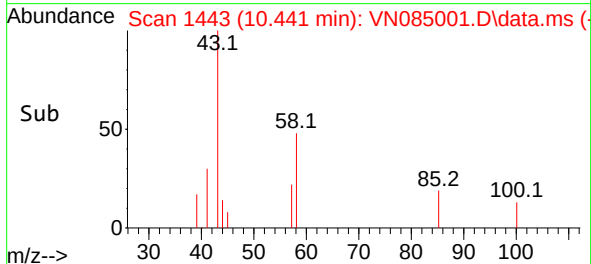
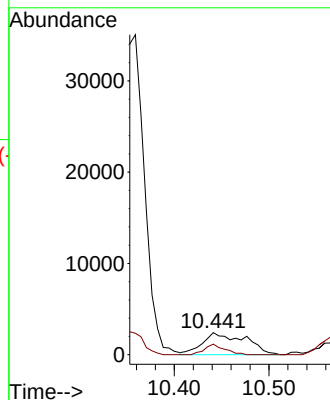
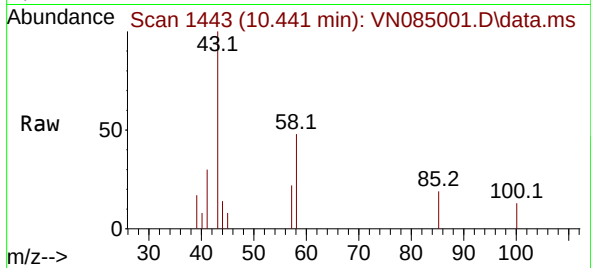




#51
4-Methyl-2-Pentanone
Concen: 3.139 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

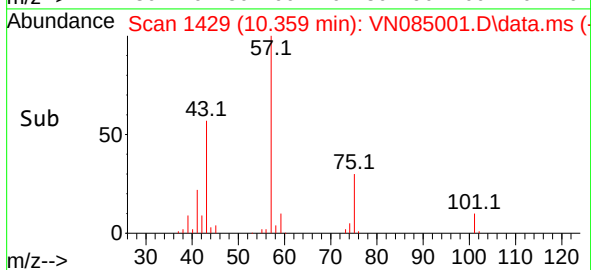
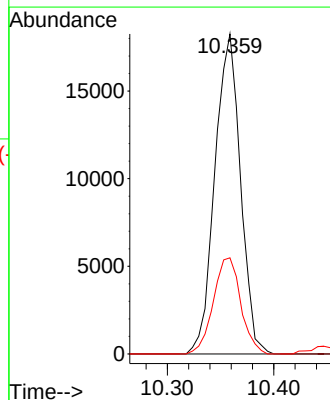
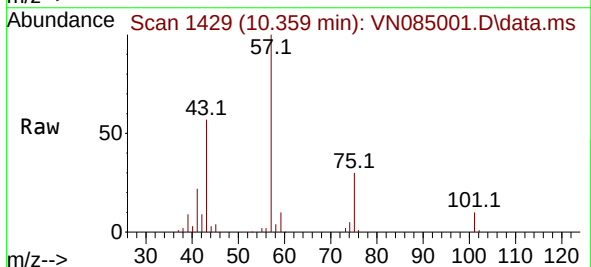
Instrument :
MSVOA_N
ClientSampleId :

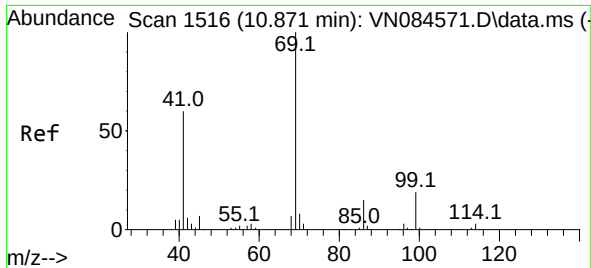
Tgt Ion: 43 Resp: 7587
Ion Ratio Lower Upper
43 100
58 22.3 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 8.878 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 75 Resp: 30456
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.0 38.7 58.1#

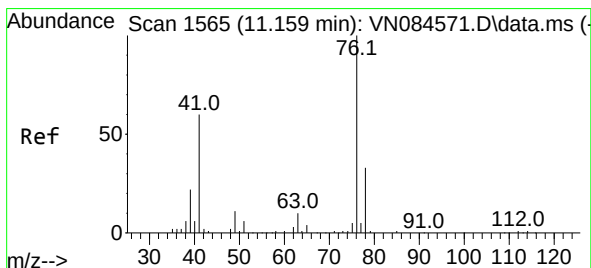
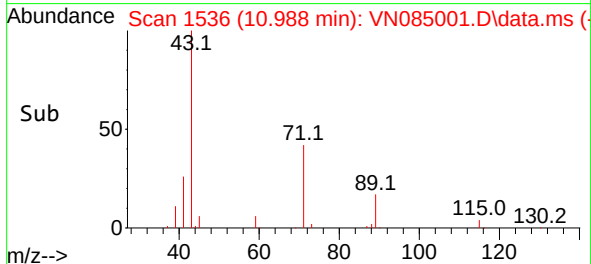
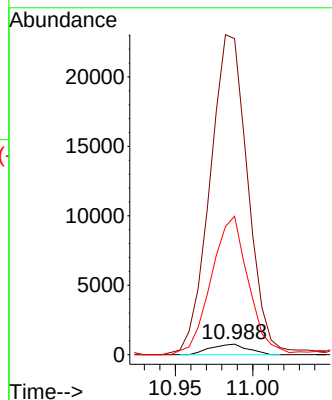
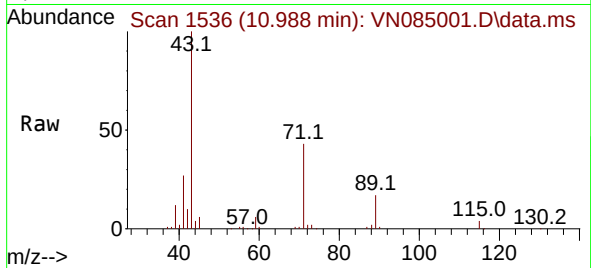




#56
Ethyl methacrylate
Concen: 0.444 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

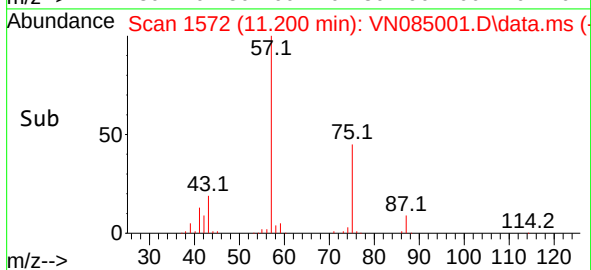
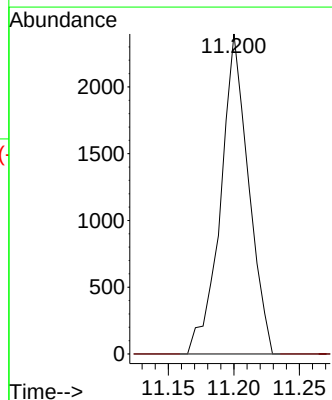
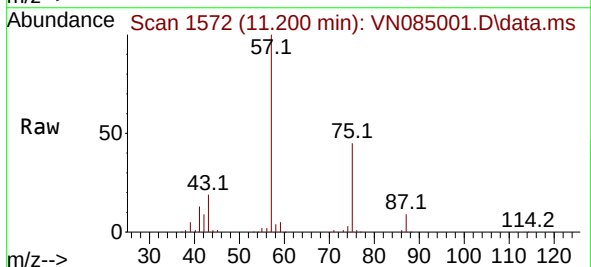
Instrument :
MSVOA_N
ClientSampleId :

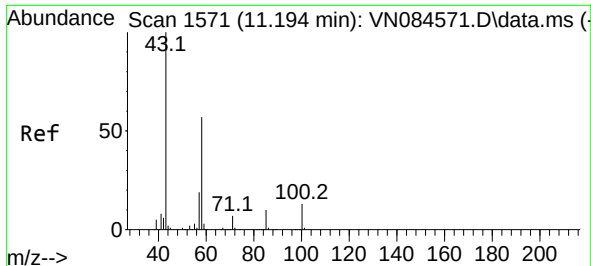
Tgt Ion: 69 Resp: 1271
Ion Ratio Lower Upper
69 100
41 3102.4 53.3 79.9#
39 1316.8 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.043 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 76 Resp: 3539
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

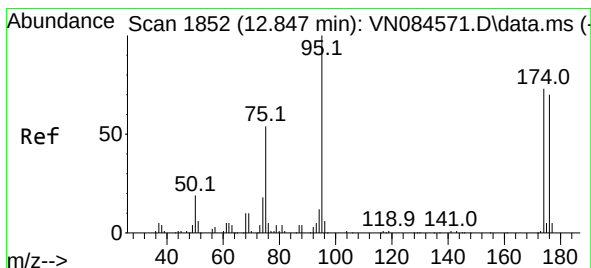
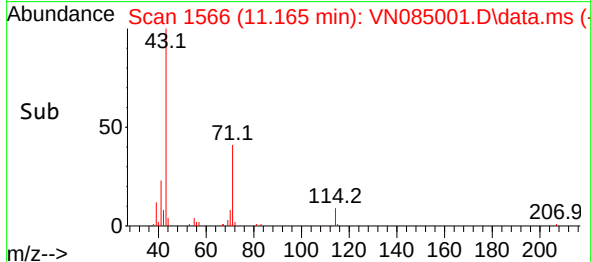
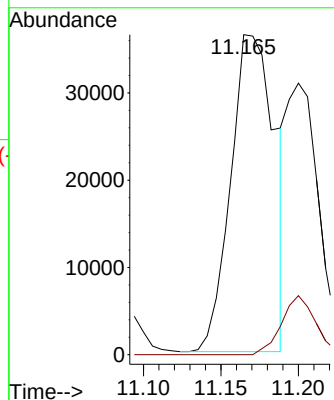
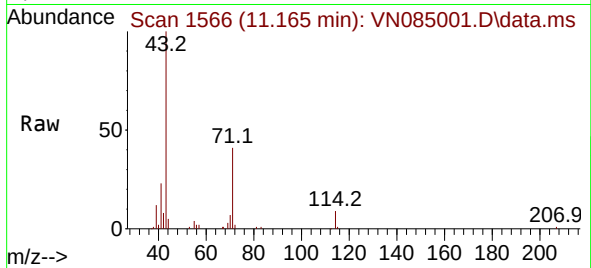




#59
2-Hexanone
Concen: 40.848 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

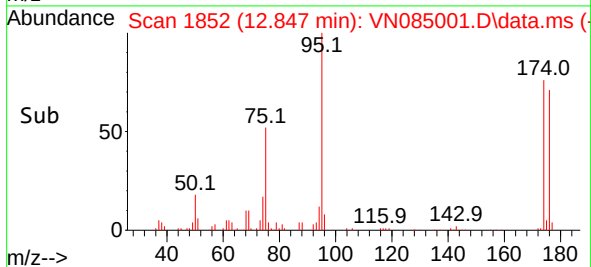
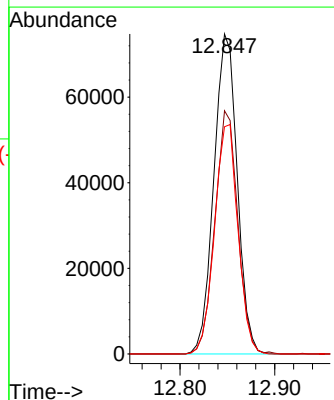
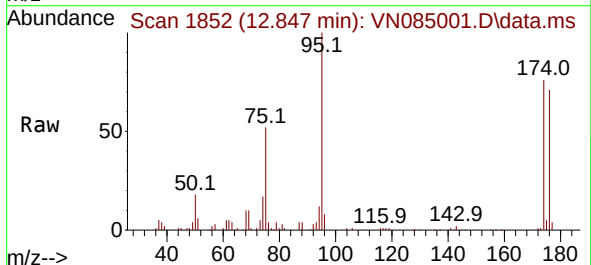
Instrument :
MSVOA_N
ClientSampleId :

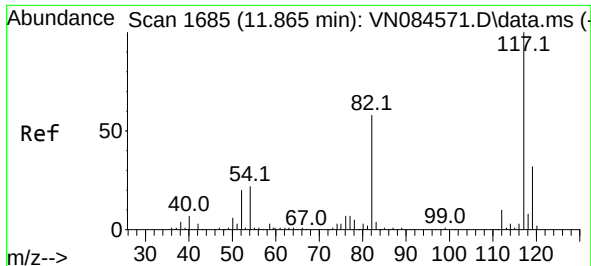
Tgt Ion: 43 Resp: 71862
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 46.178 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion: 95 Resp: 128097
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.2
176 72.0 0.0 140.0

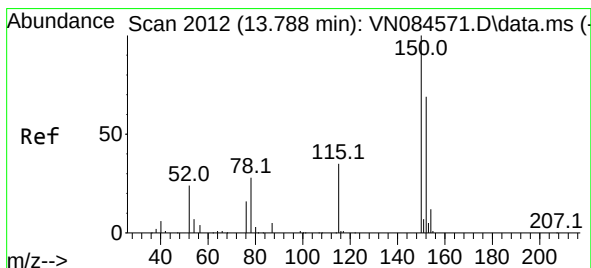
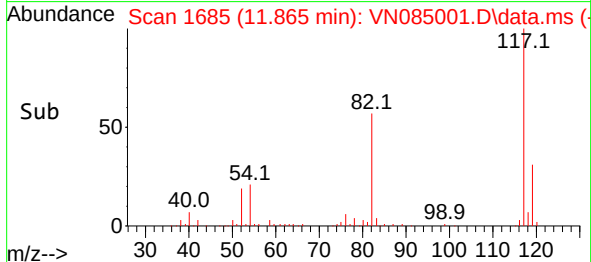
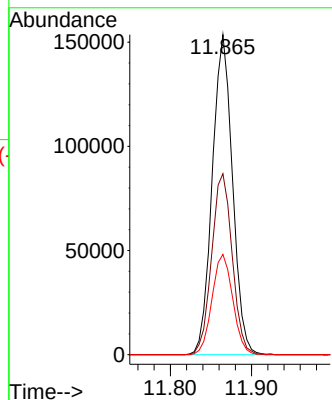
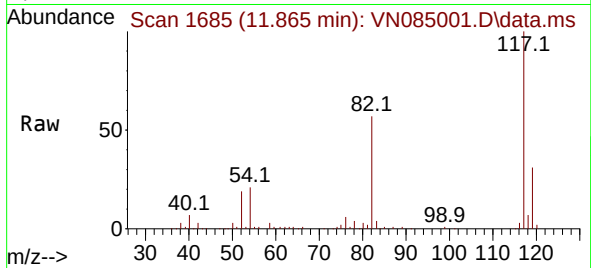




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

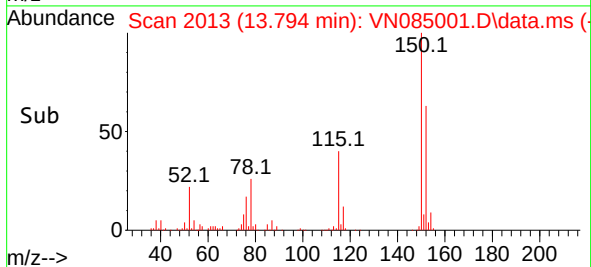
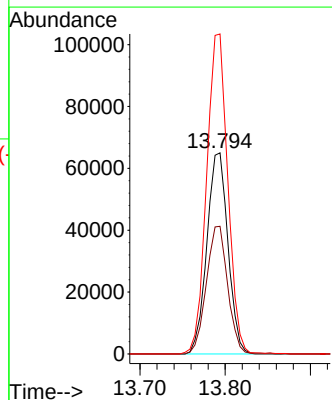
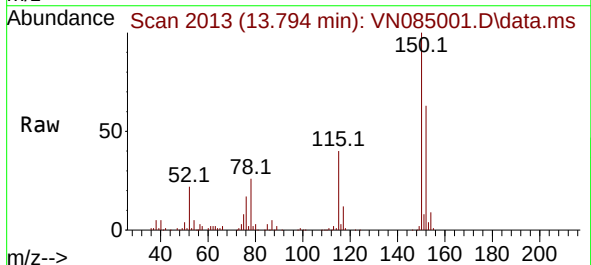
Instrument :
MSVOA_N
ClientSampleId :

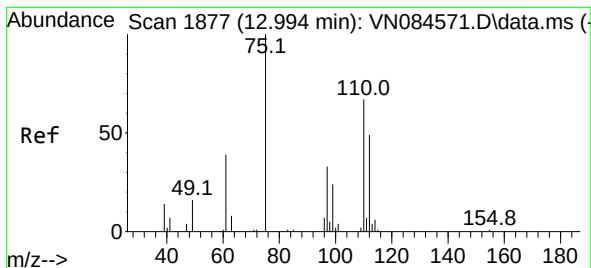
Tgt Ion:117 Resp: 265873
Ion Ratio Lower Upper
117 100
82 56.5 47.2 70.8
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:152 Resp: 111856
Ion Ratio Lower Upper
152 100
115 63.9 31.3 93.9
150 159.1 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.035 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN085001.D

Acq: 21 Nov 2024 18:08

Instrument :

MSVOA_N

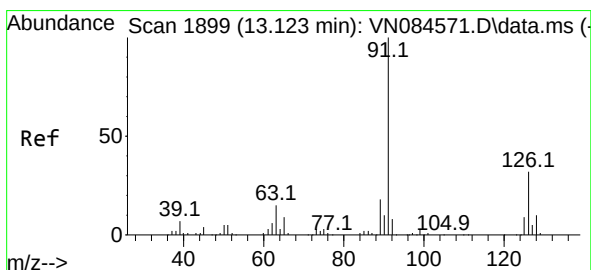
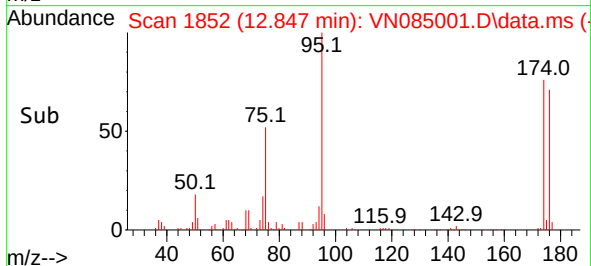
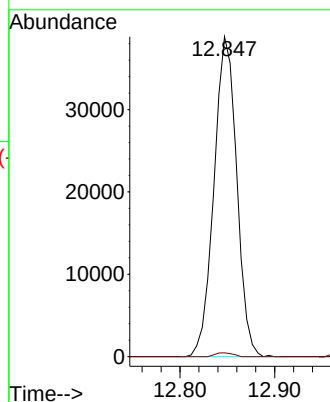
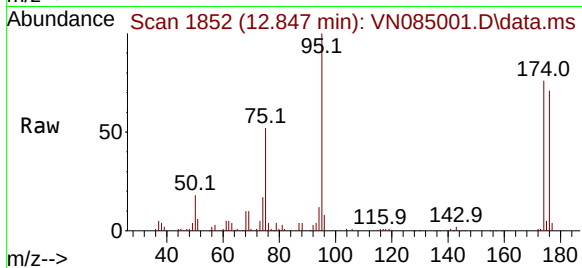
ClientSampleId :

Tgt Ion: 75 Resp: 64921

Ion Ratio Lower Upper

75 100

77 0.9 96.9 290.7#



#79

2-Chlorotoluene

Concen: 0.212 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. 0.094 min

Lab File: VN085001.D

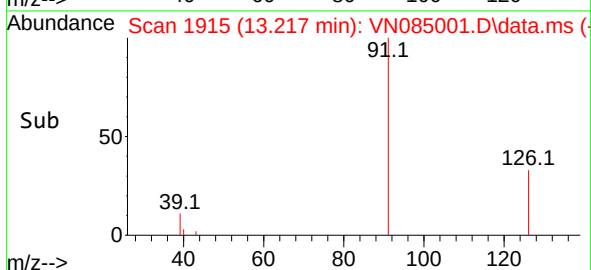
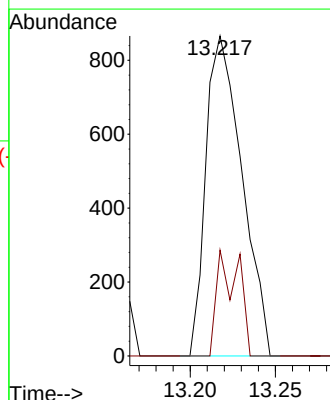
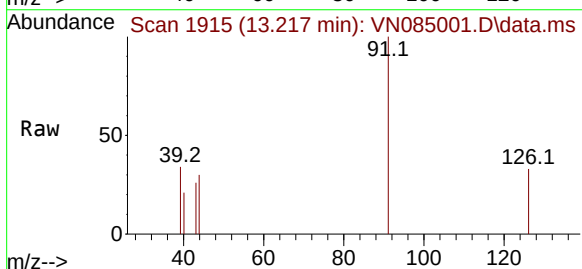
Acq: 21 Nov 2024 18:08

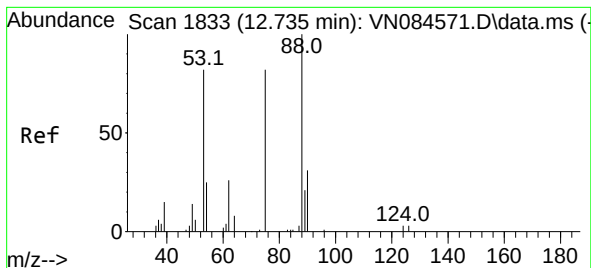
Tgt Ion: 91 Resp: 1275

Ion Ratio Lower Upper

91 100

126 19.8 15.7 47.1

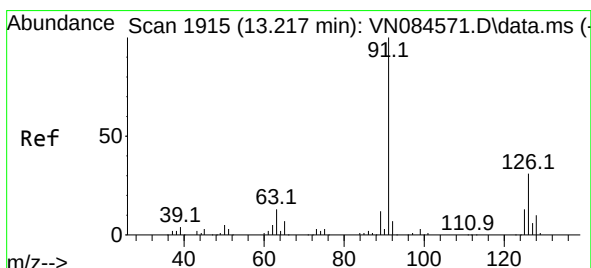
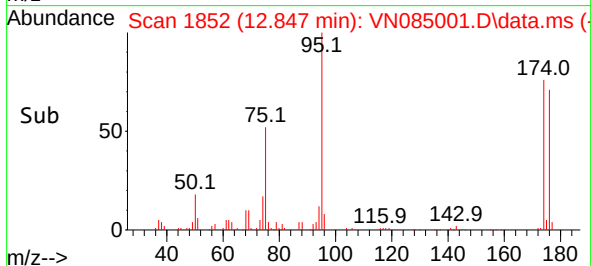
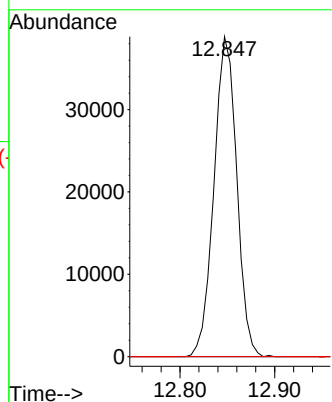
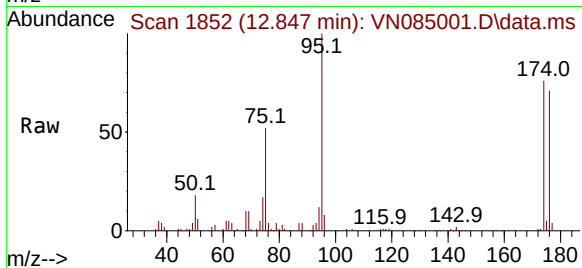




#81
trans-1,4-Dichloro-2-butene
Concen: 68.883 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

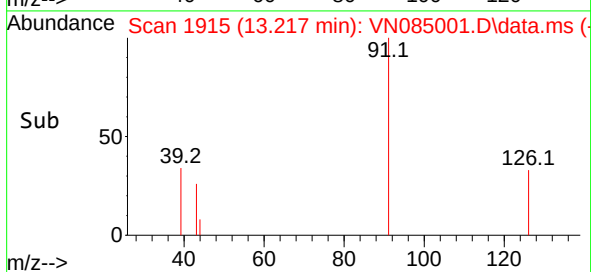
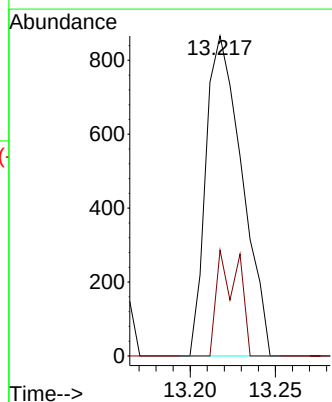
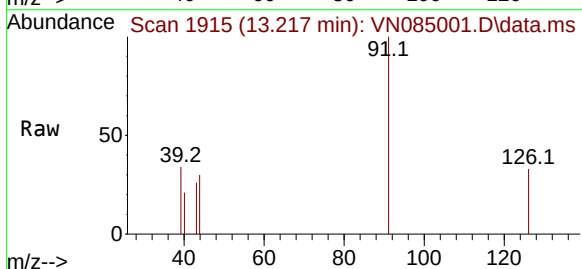
Instrument :
MSVOA_N
ClientSampleId :

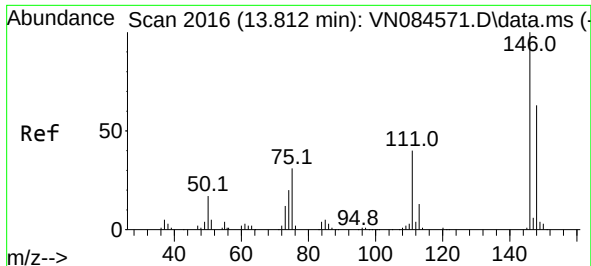
Tgt Ion: 75 Resp: 64921
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#82
4-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

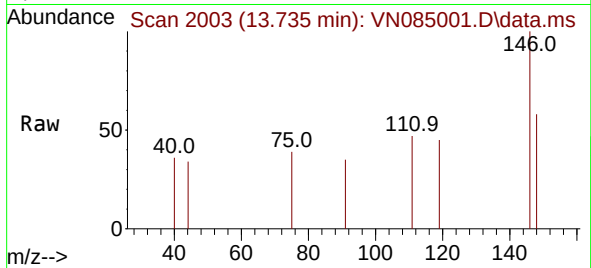
Tgt Ion: 91 Resp: 1275
Ion Ratio Lower Upper
91 100
126 19.8 15.7 47.1



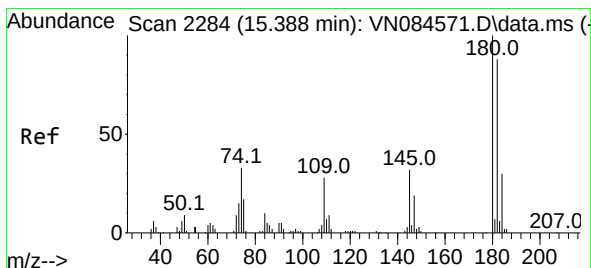
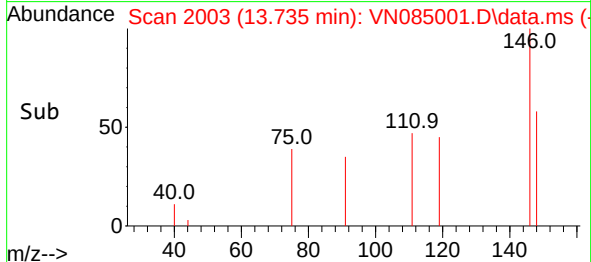
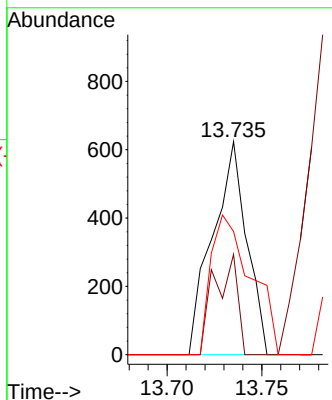


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Instrument :
MSVOA_N
ClientSampleId :

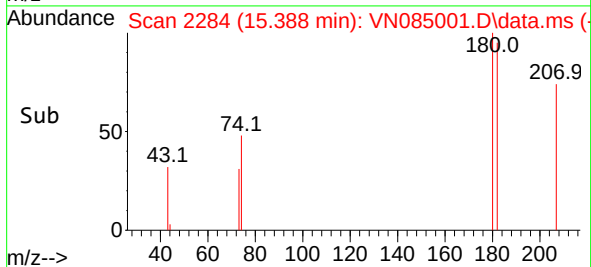
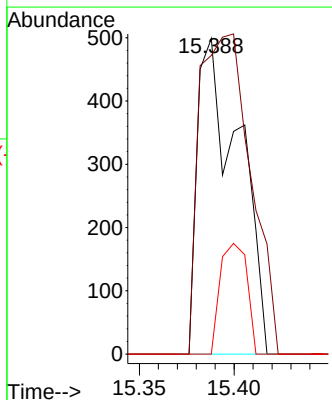
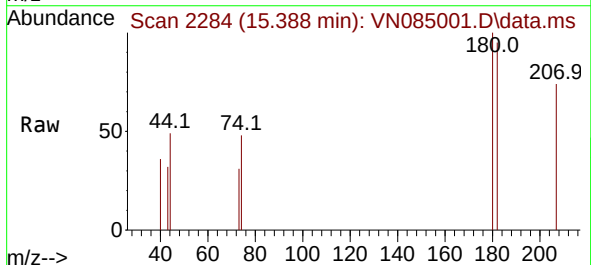


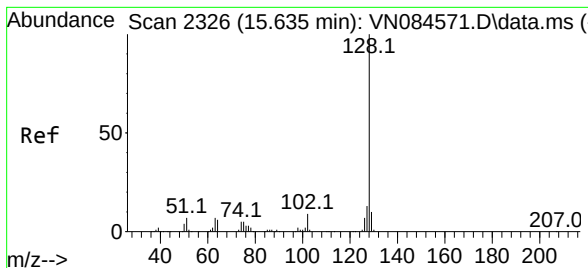
Tgt Ion:146 Resp: 782
Ion Ratio Lower Upper
146 100
111 32.0 21.2 63.6
148 77.5 31.9 95.9



#93
1,2,4-Trichlorobenzene
Concen: 0.350 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN085001.D
Acq: 21 Nov 2024 18:08

Tgt Ion:180 Resp: 756
Ion Ratio Lower Upper
180 100
182 125.1 47.0 141.0
145 22.8 16.4 49.4





#95

Naphthalene

Concen: 0.419 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN085001.D

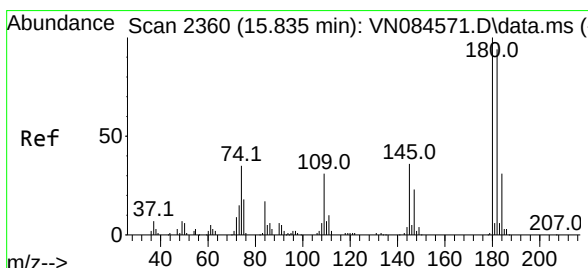
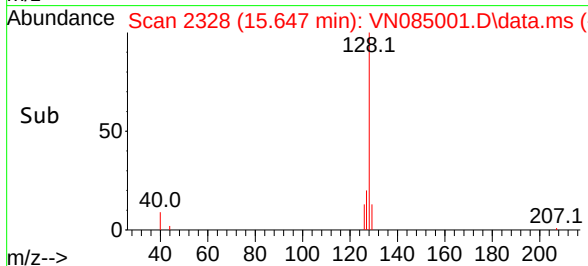
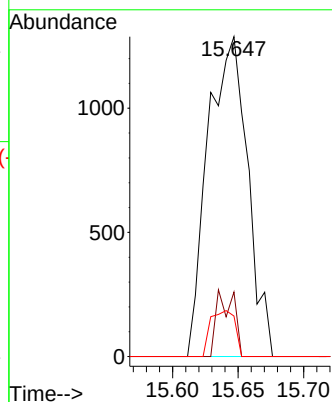
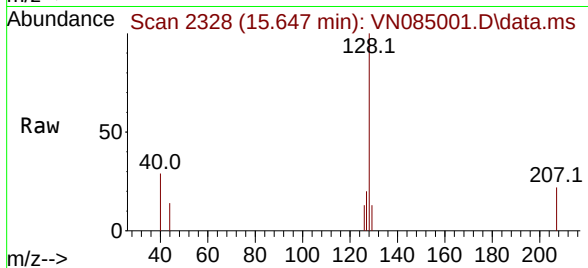
Acq: 21 Nov 2024 18:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	2715
Ion Ratio	Lower	Upper	
128	100		
127	9.0	10.5	15.7#
129	8.8	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.339 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.012 min

Lab File: VN085001.D

Acq: 21 Nov 2024 18:08

Tgt Ion:	180	Resp:	712
Ion Ratio	Lower	Upper	
180	100		
182	92.8	48.2	144.6
145	7.6	17.3	51.9#

