

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082124\
 Data File : VN083418.D
 Acq On : 21 Aug 2024 19:07
 Operator : JC\MD
 Sample : P3685-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 22 01:49:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

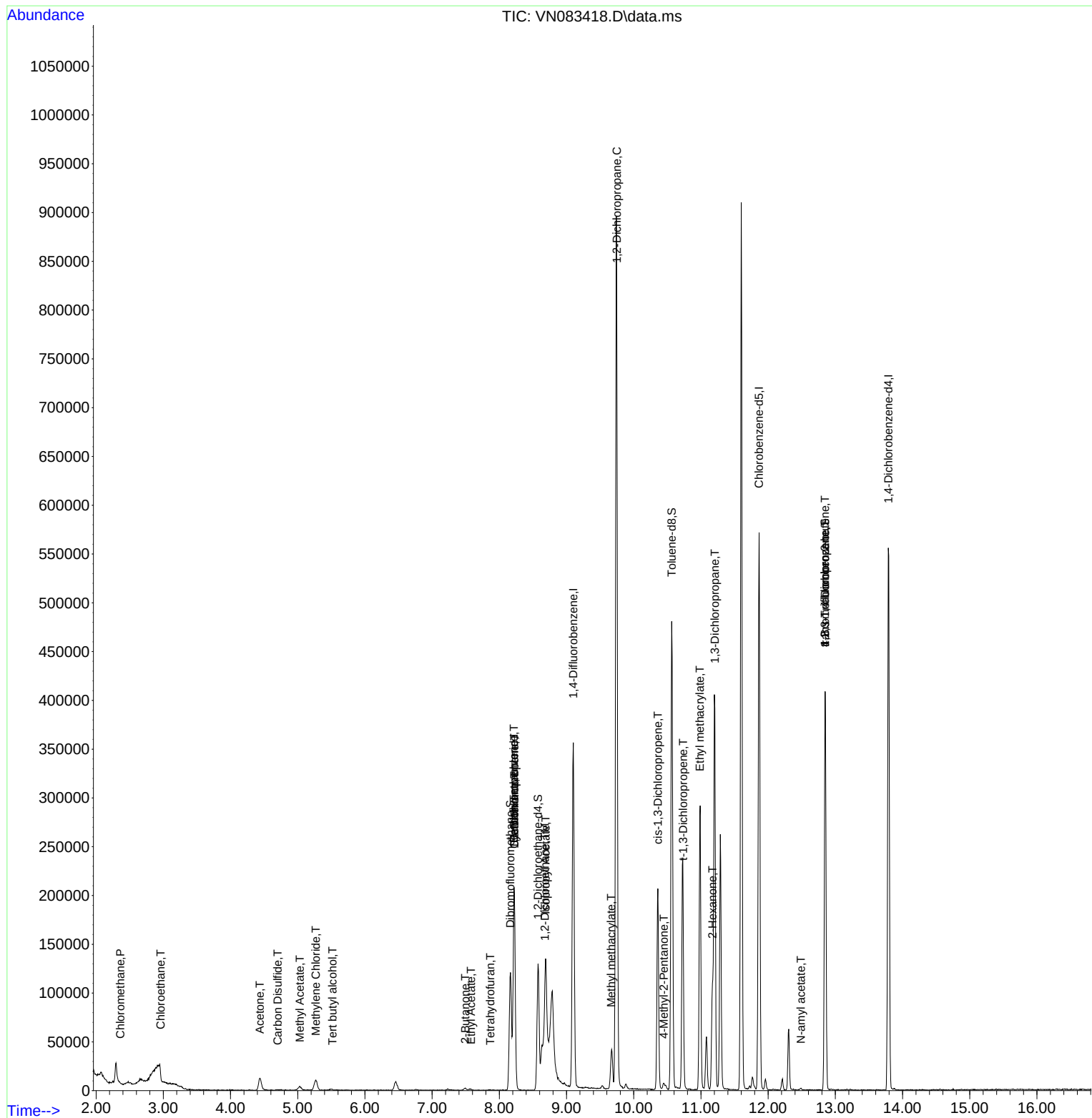
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	141076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110789	55.172	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.340%			
35) Dibromofluoromethane	8.165	113	87749	48.380	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.760%			
50) Toluene-d8	10.565	98	329006	48.628	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.260%			
62) 4-Bromofluorobenzene	12.847	95	147164	55.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.580%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	398	0.243	ug/l #	43
6) Chloroethane	2.959	64	485	0.464	ug/l	90
11) Tert butyl alcohol	5.518	59	296	0.709	ug/l #	71
16) Acetone	4.436	43	24440	31.104	ug/l	96
17) Carbon Disulfide	4.701	76	1633	0.357	ug/l #	75
18) Methyl Acetate	5.030	43	9086	3.881	ug/l #	73
20) Methylene Chloride	5.271	84	8349	4.617	ug/l #	69
25) 2-Butanone	7.495	43	3703	3.069	ug/l #	86
29) Tetrahydrofuran	7.865	42	170	0.218	ug/l #	38
31) Cyclohexane	8.224	56	3769	1.267	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	13251	4.830	ug/l #	51
37) Ethyl Acetate	7.577	43	3038	0.989	ug/l #	80
38) Carbon Tetrachloride	8.218	117	16403	5.308	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	903	0.303	ug/l #	78
43) Isopropyl Acetate	8.689	43	221423	41.010	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	994	0.512	ug/l #	44
48) Methyl methacrylate	9.665	41	2668	1.050	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	4498	1.548	ug/l	91
53) t-1,3-Dichloropropene	10.735	75	662	0.207	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	35798	10.508	ug/l #	59
56) Ethyl methacrylate	10.983	69	930	0.267	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4188	1.270	ug/l #	43
59) 2-Hexanone	11.171	43	88169	39.231	ug/l #	28
74) N-amyl acetate	12.488	43	1509	0.252	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	79281	24.637	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79281	53.591	ug/l #	6

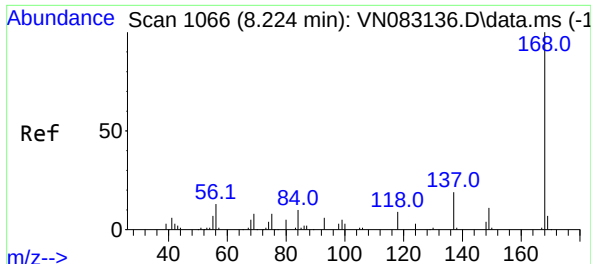
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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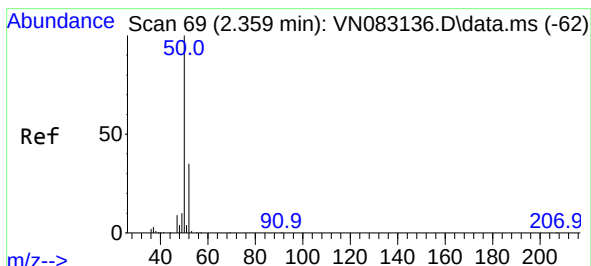
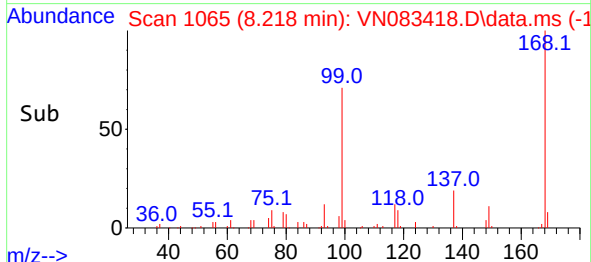
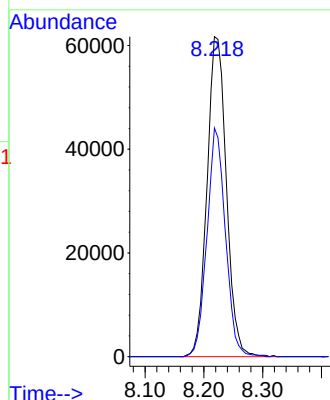
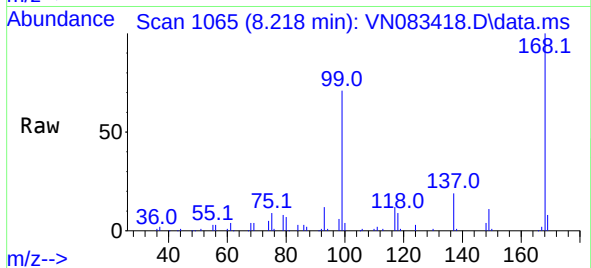




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

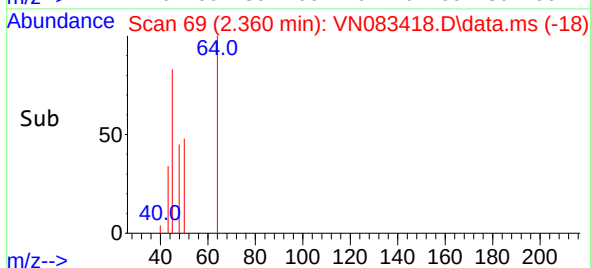
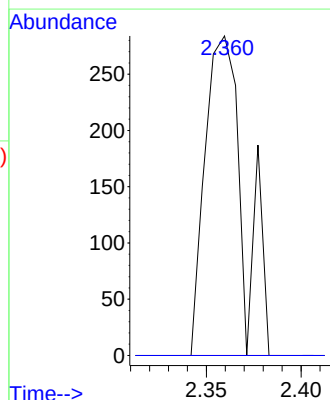
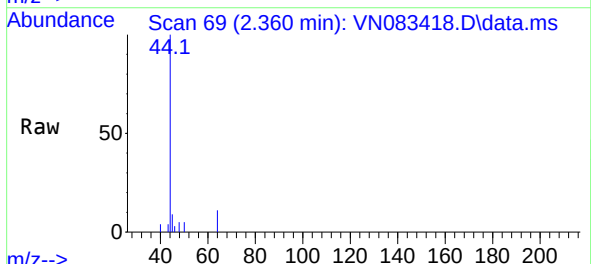
Instrument :
MSVOA_N
ClientSampleId :

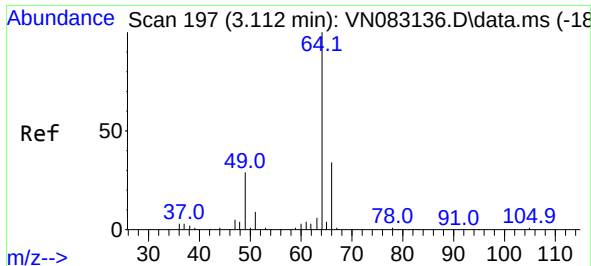
Tgt Ion:168 Resp: 141076
Ion Ratio Lower Upper
168 100
99 71.5 48.2 72.4



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Tgt Ion: 50 Resp: 398
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

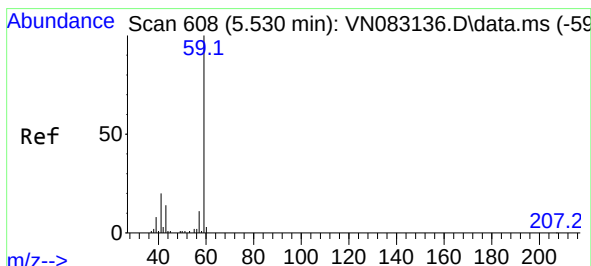
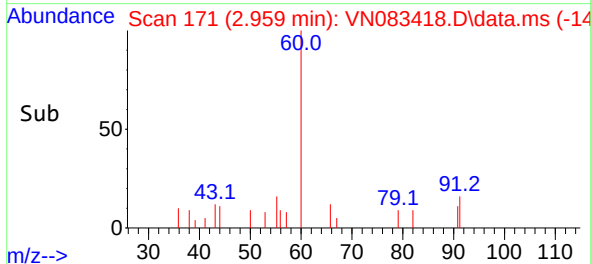
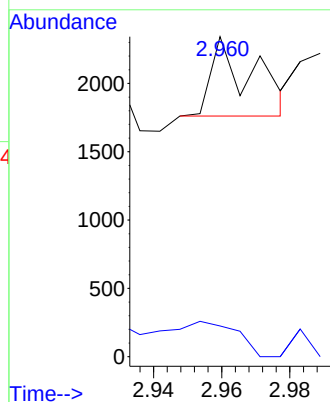
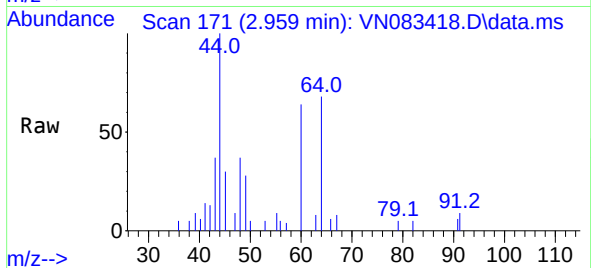




#6
Chloroethane
Concen: 0.464 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.153 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

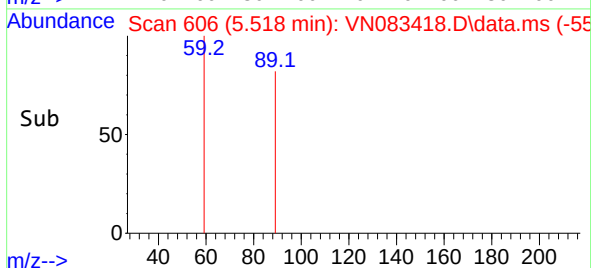
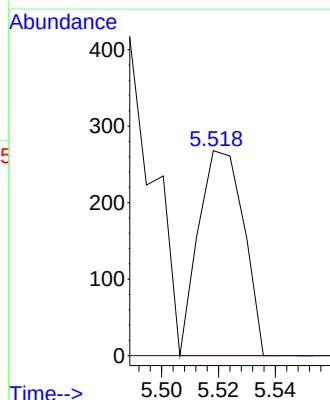
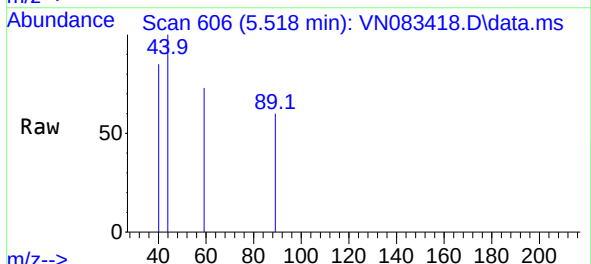
Instrument :
MSVOA_N
ClientSampleId :

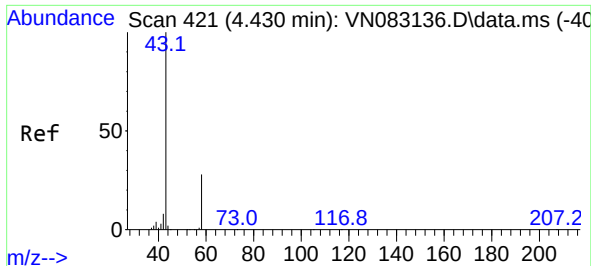
Tgt Ion: 64 Resp: 485
Ion Ratio Lower Upper
64 100
66 38.7 26.6 40.0



#11
Tert butyl alcohol
Concen: 0.709 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

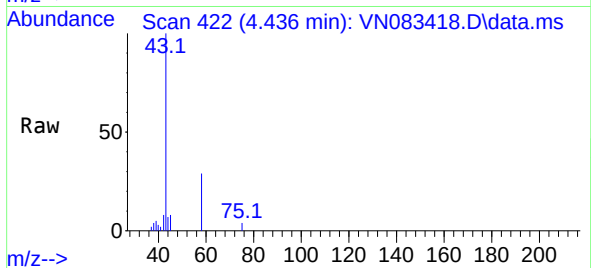
Tgt Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



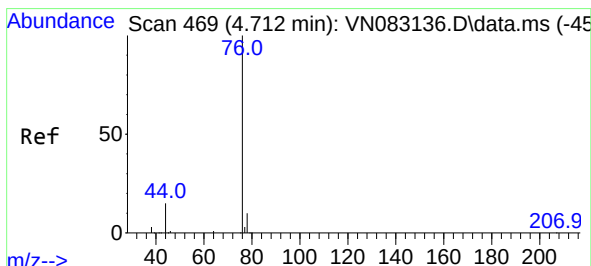
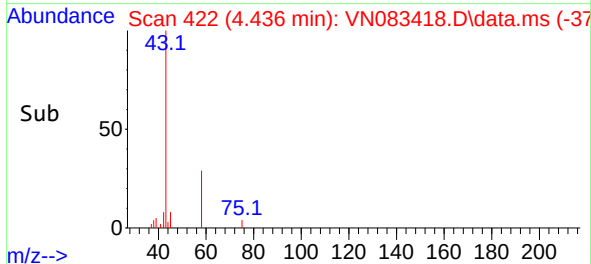
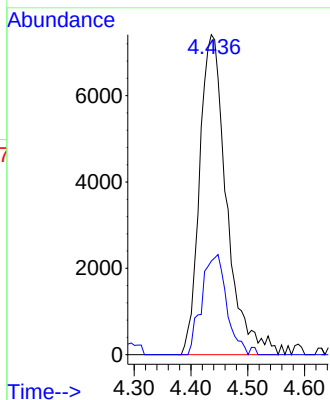


#16
Acetone
Concen: 31.104 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

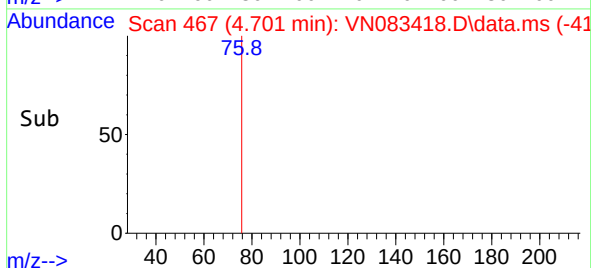
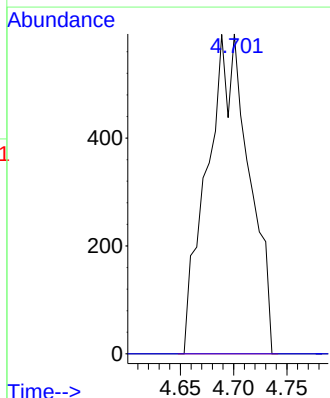
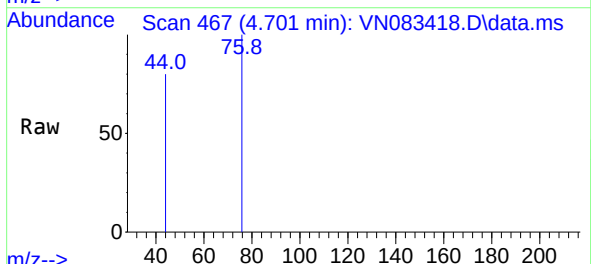


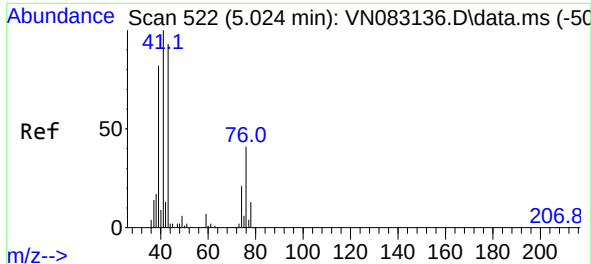
Tgt Ion: 43 Resp: 24440
Ion Ratio Lower Upper
43 100
58 29.3 21.8 32.6



#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 4.701 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

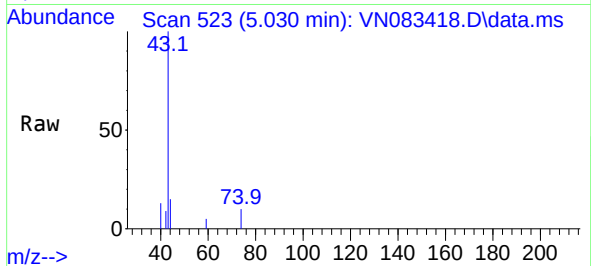
Tgt Ion: 76 Resp: 1633
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



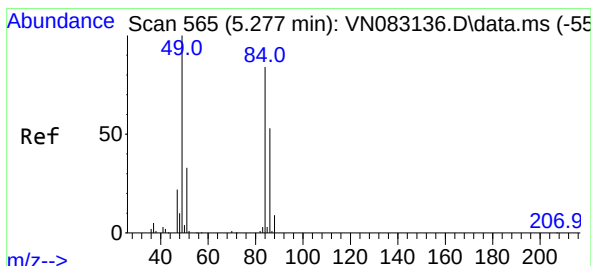
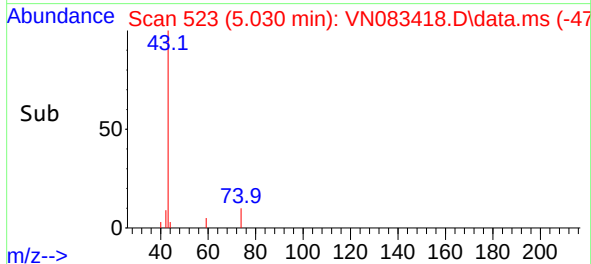
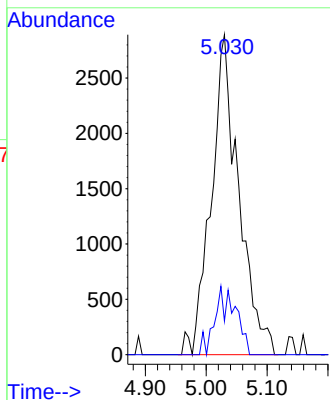


#18
Methyl Acetate
Concen: 3.881 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

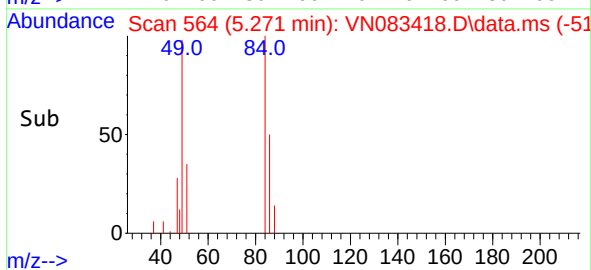
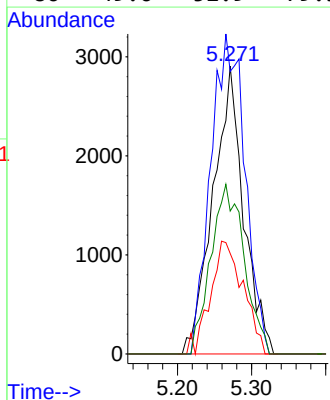
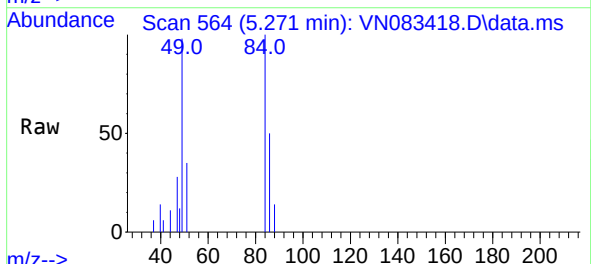


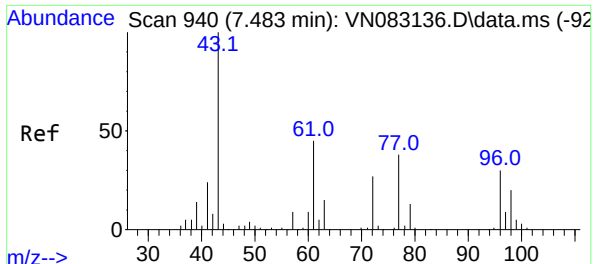
Tgt Ion: 43 Resp: 9086
Ion Ratio Lower Upper
43 100
74 7.8 16.3 24.5#



#20
Methylene Chloride
Concen: 4.617 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Tgt Ion: 84 Resp: 8349
Ion Ratio Lower Upper
84 100
49 98.2 119.6 179.4#
51 34.9 34.8 52.2
86 49.6 52.9 79.3#

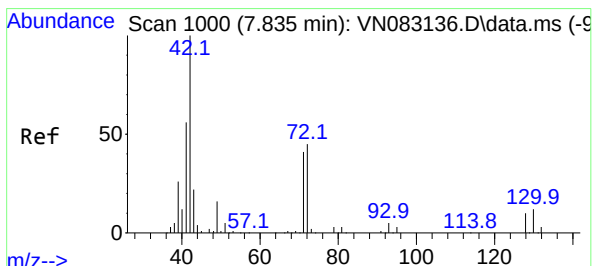
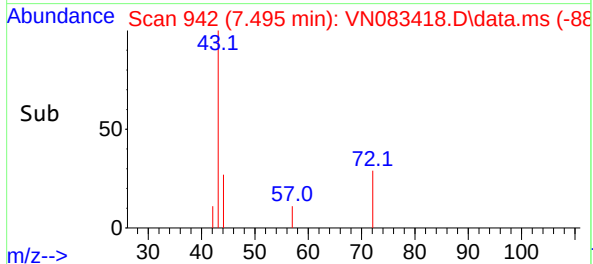
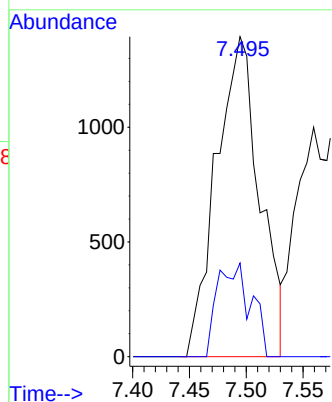
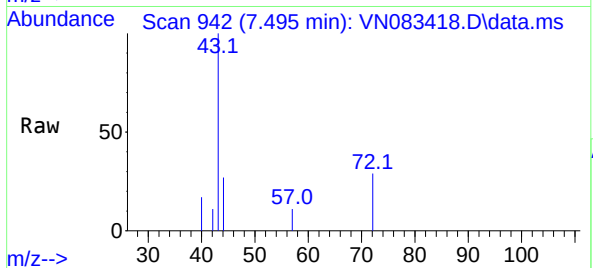




#25
2-Butanone
Concen: 3.069 ug/l
RT: 7.495 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

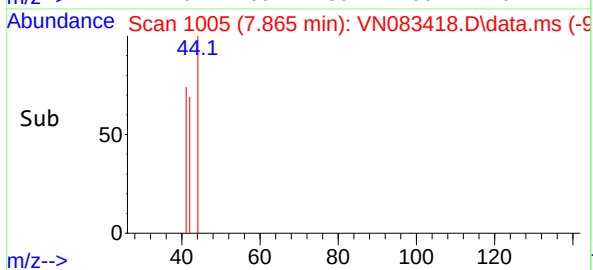
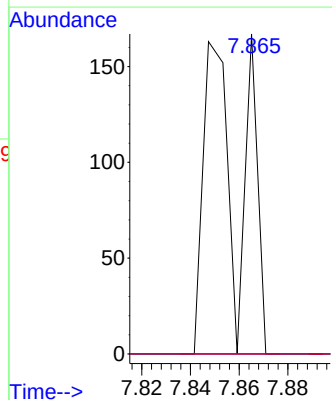
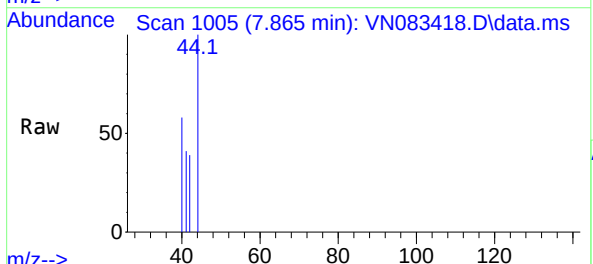
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ClientSampleId :

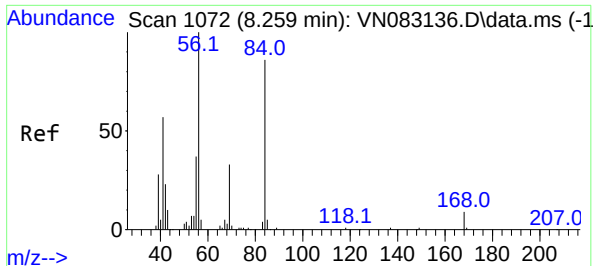
Tgt Ion: 43 Resp: 3703
Ion Ratio Lower Upper
43 100
72 29.2 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.030 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

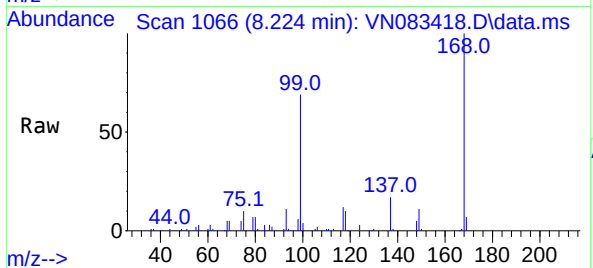
Tgt Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



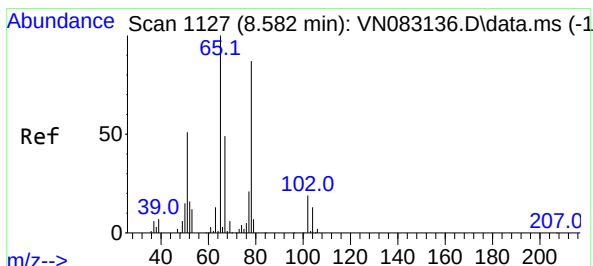
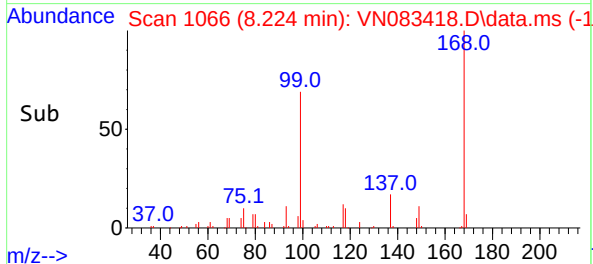
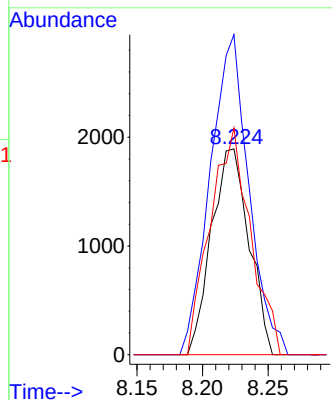


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
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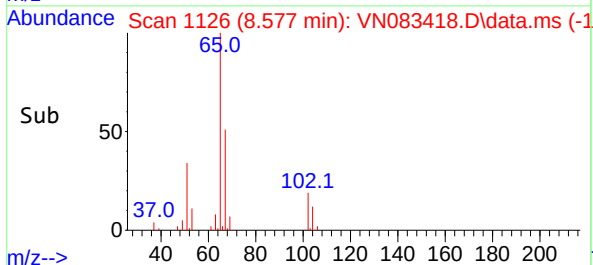
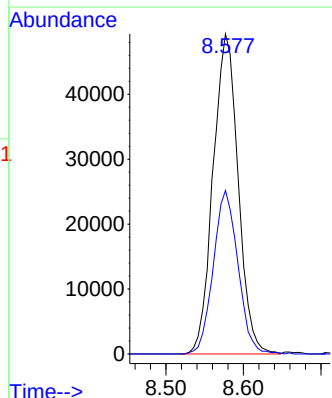
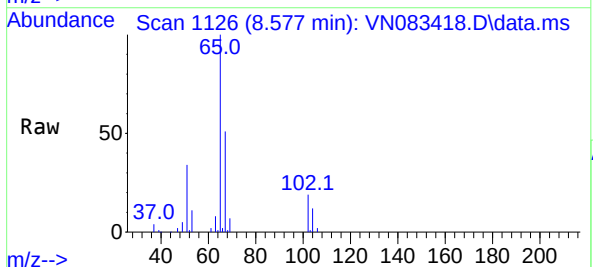


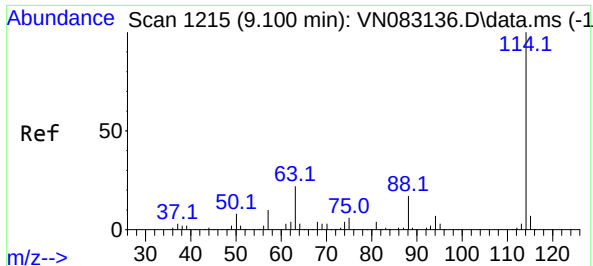
Tgt Ion: 56 Resp: 3769
Ion Ratio Lower Upper
56 100
69 155.5 24.5 36.7#
84 110.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.172 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

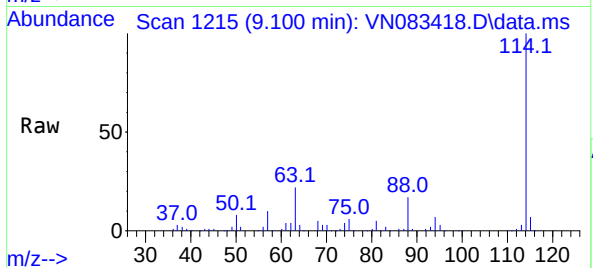
Tgt Ion: 65 Resp: 110789
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.4



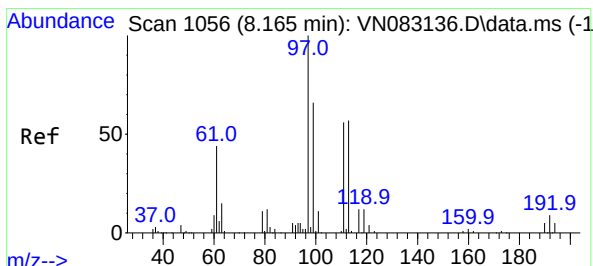
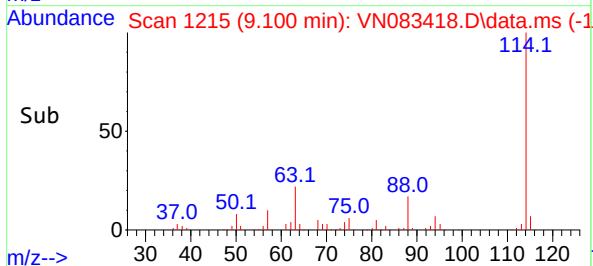
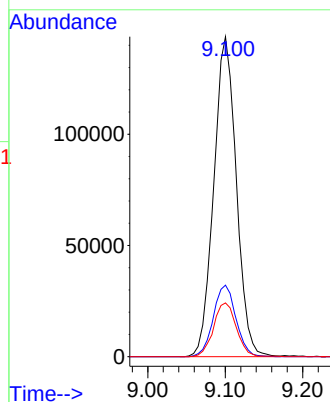


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

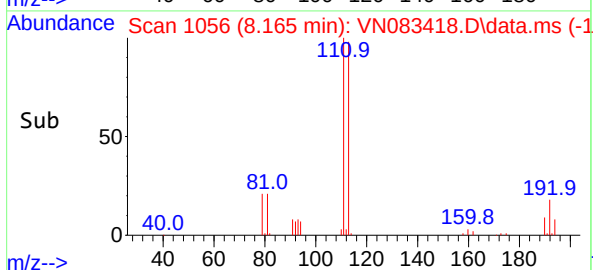
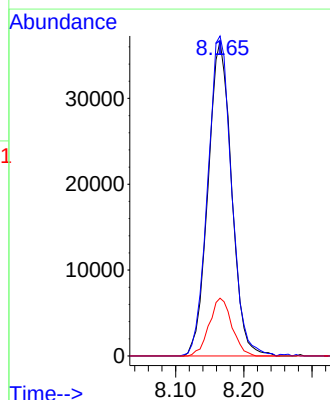
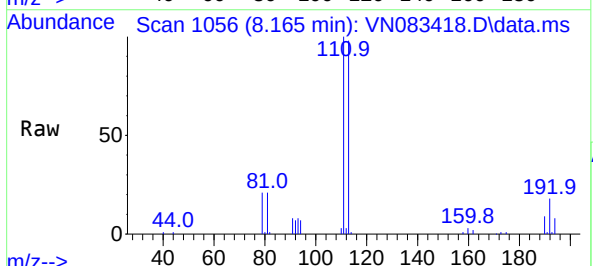


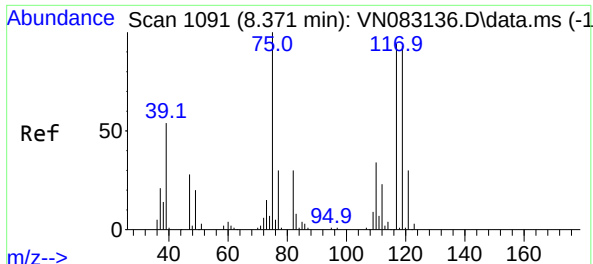
Tgt Ion:114 Resp: 290582
Ion Ratio Lower Upper
114 100
63 22.4 0.0 44.6
88 16.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.380 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

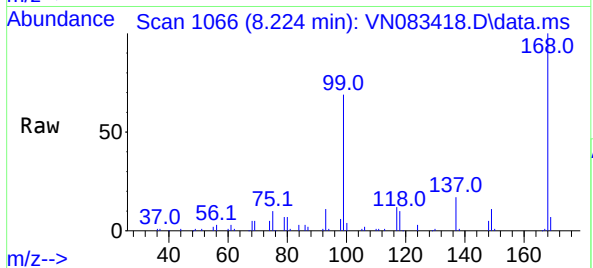
Tgt Ion:113 Resp: 87749
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 17.7 14.9 22.3



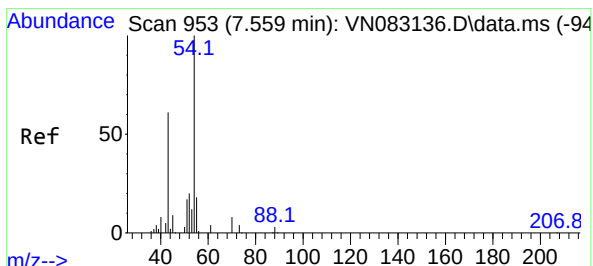
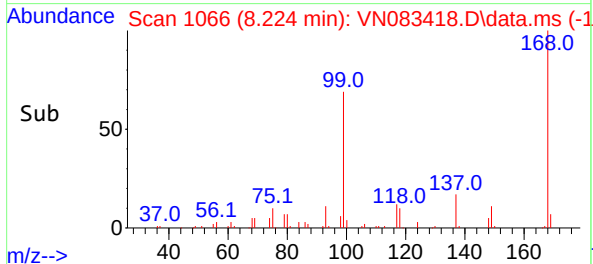
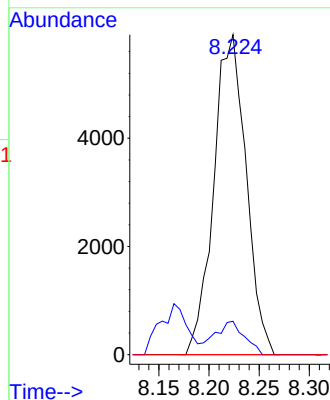


#36
1,1-Dichloropropene
Concen: 4.830 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

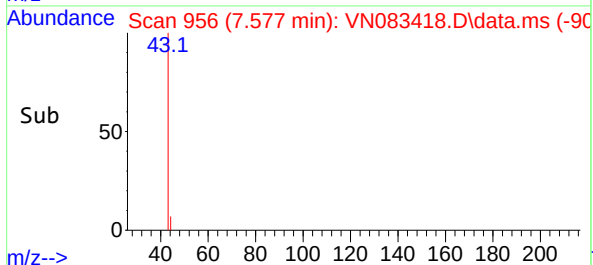
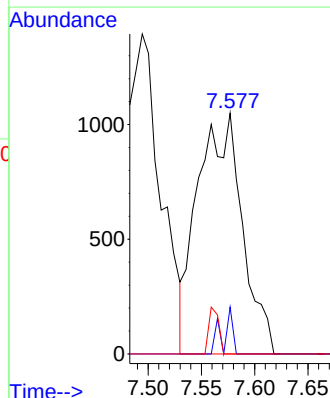
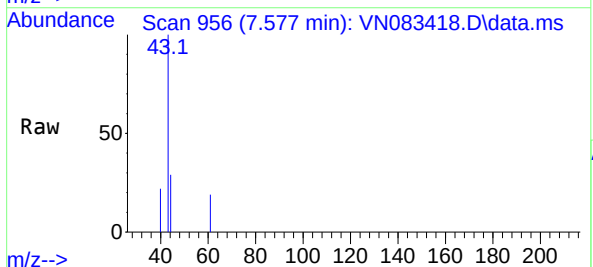


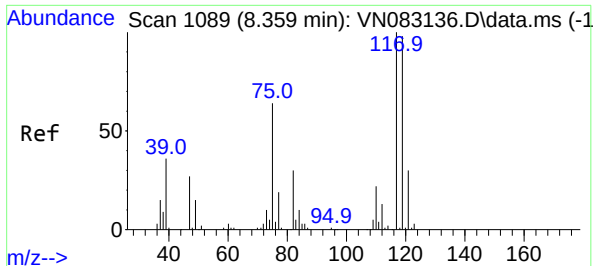
Tgt Ion: 75 Resp: 13251
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.989 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.018 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

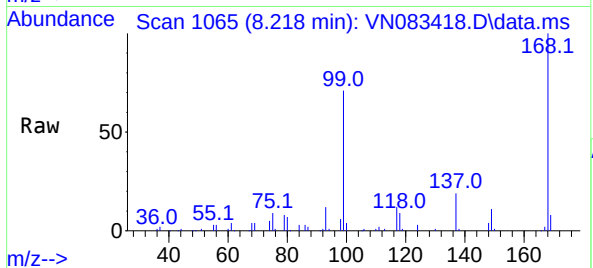
Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
61 1.8 9.3 13.9#
70 4.3 7.0 10.6#



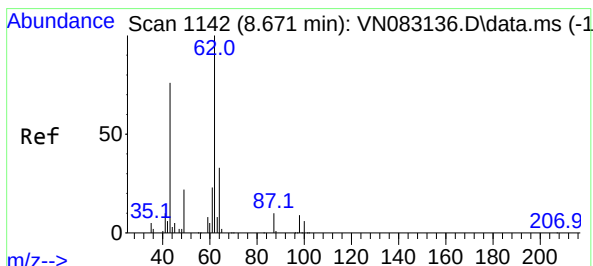
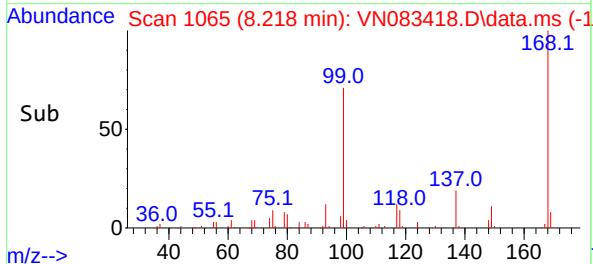
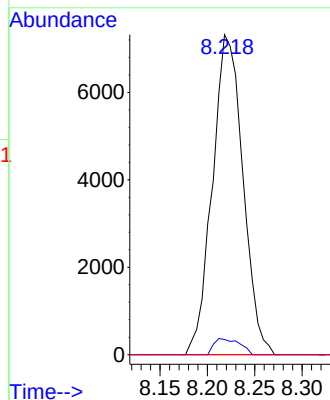


#38
Carbon Tetrachloride
Concen: 5.308 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

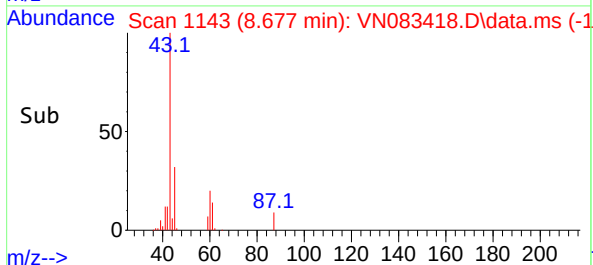
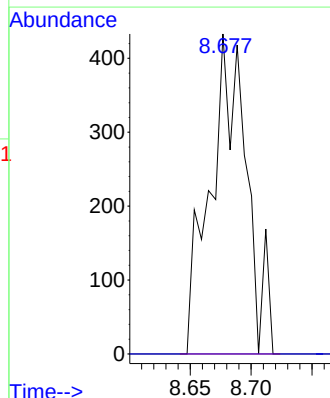
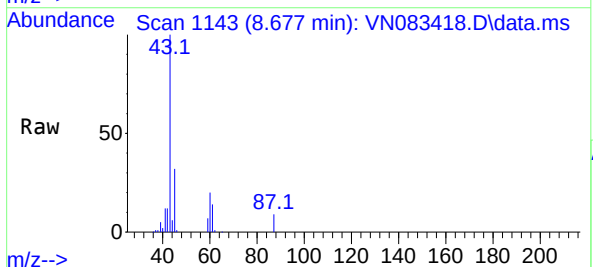


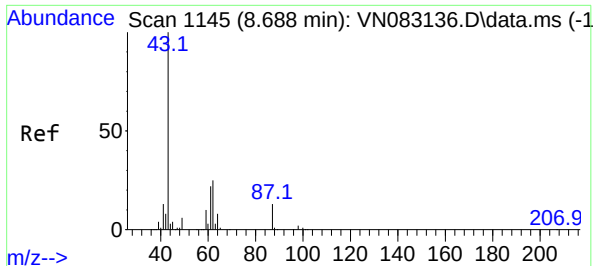
Tgt Ion:117 Resp: 16403
Ion Ratio Lower Upper
117 100
119 4.8 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

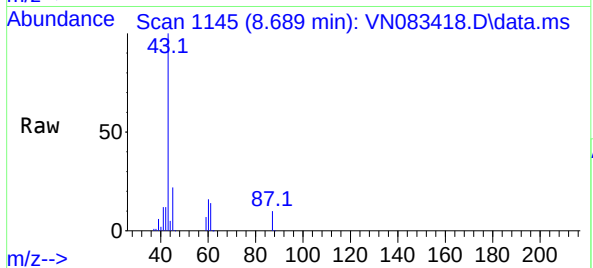
Tgt Ion: 62 Resp: 903
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



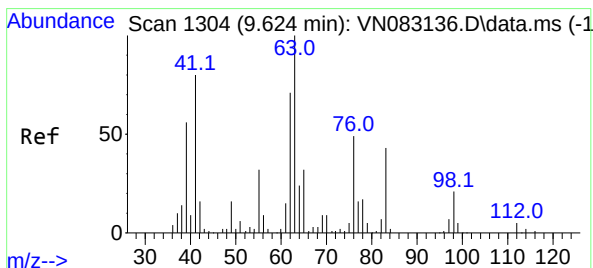
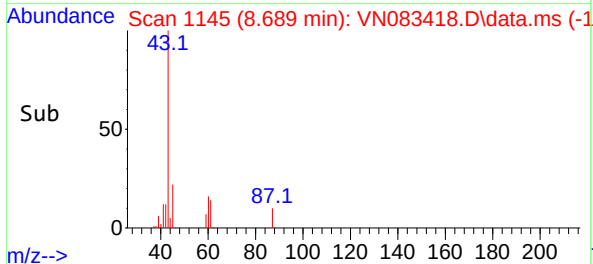
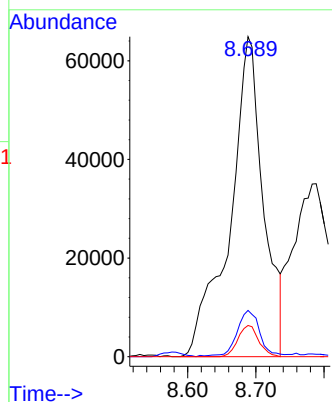


#43
Isopropyl Acetate
Concen: 41.010 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.001 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

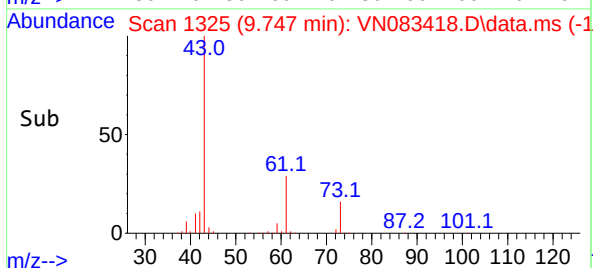
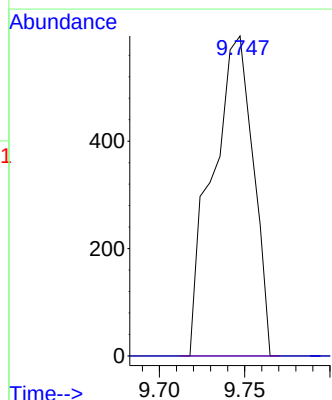
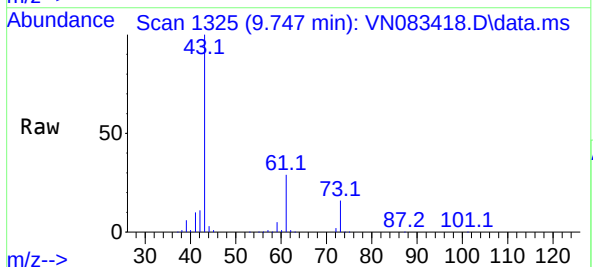


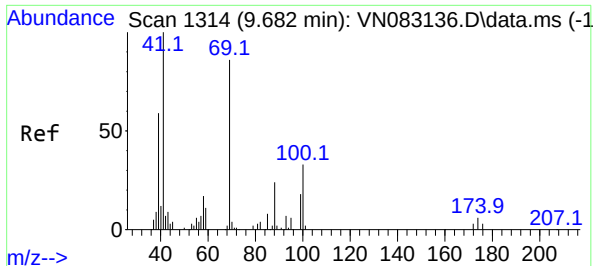
Tgt Ion: 43 Resp: 221423
Ion Ratio Lower Upper
43 100
61 9.9 17.8 26.6#
87 6.0 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.512 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Tgt Ion: 63 Resp: 994
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#





#48

Methyl methacrylate

Concen: 1.050 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.017 min

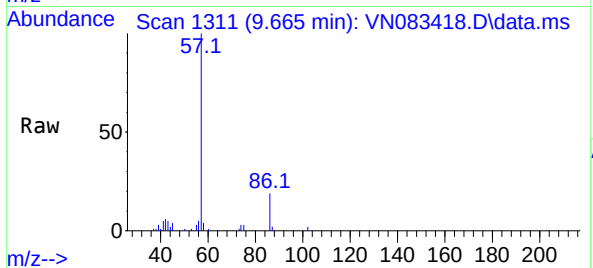
Lab File: VN083418.D

Acq: 21 Aug 2024 19:07

Instrument :

MSVOA_N

ClientSampleId :



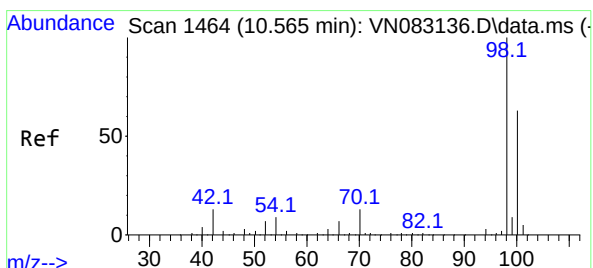
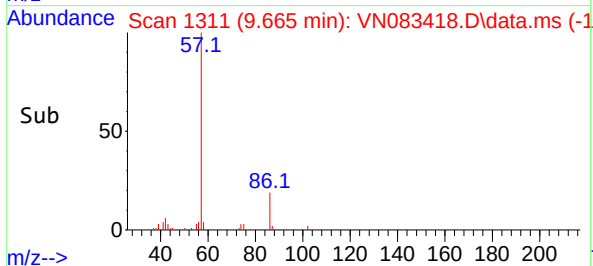
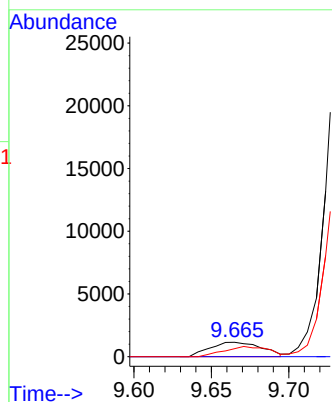
Tgt Ion: 41 Resp: 2668

Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 60.6 50.3 75.5



#50

Toluene-d8

Concen: 48.628 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083418.D

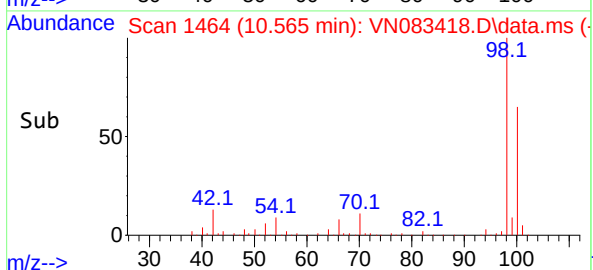
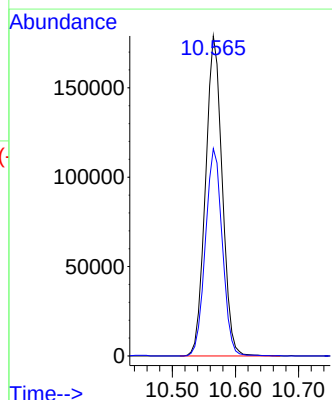
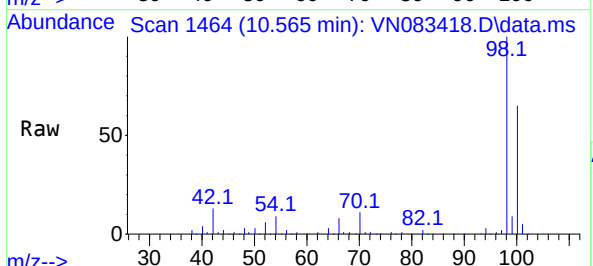
Acq: 21 Aug 2024 19:07

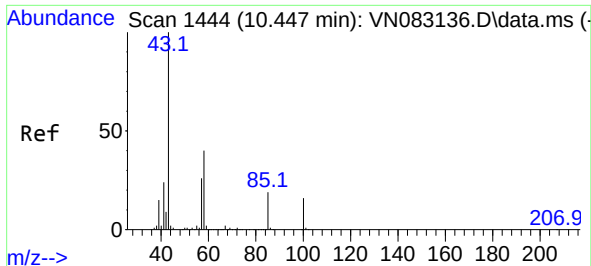
Tgt Ion: 98 Resp: 329006

Ion Ratio Lower Upper

98 100

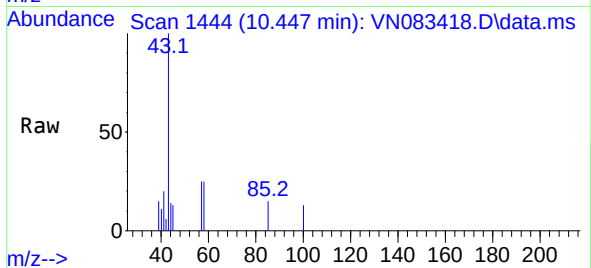
100 65.6 51.5 77.3



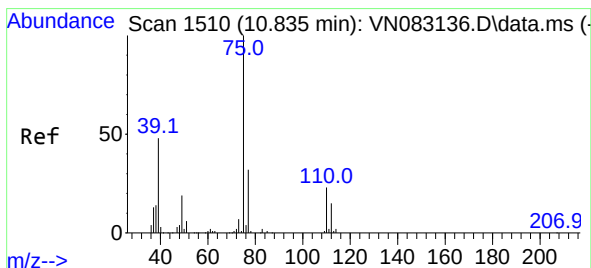
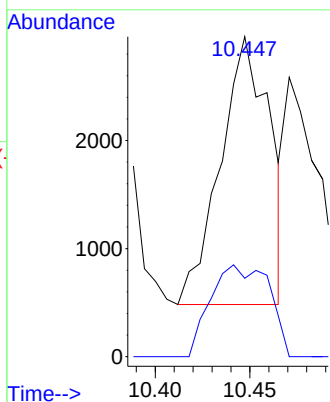
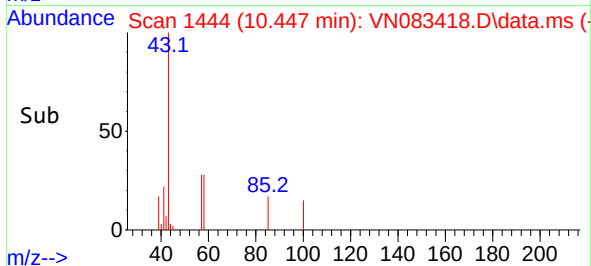


#51
4-Methyl-2-Pentanone
Concen: 1.548 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

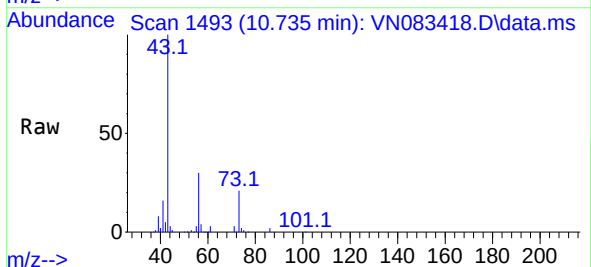
Instrument :
MSVOA_N
ClientSampleId :



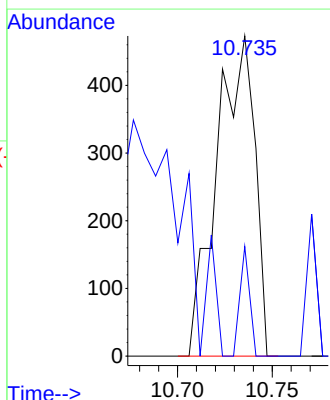
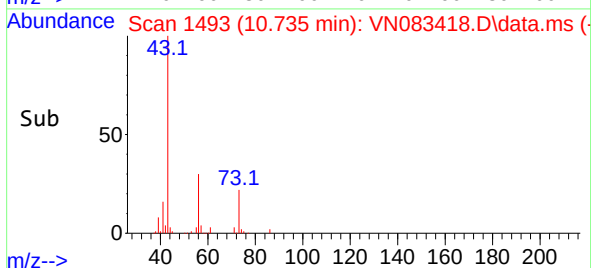
Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
58 40.5 28.2 42.4

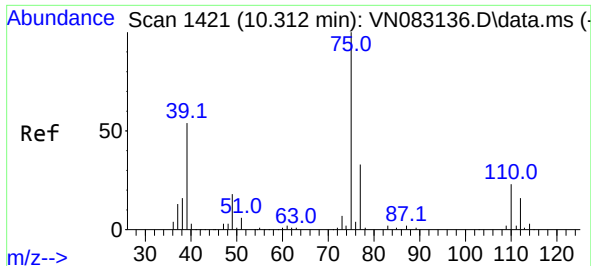


#53
t-1,3-Dichloropropene
Concen: 0.207 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07



Tgt Ion: 75 Resp: 662
Ion Ratio Lower Upper
75 100
77 34.2 25.7 38.5

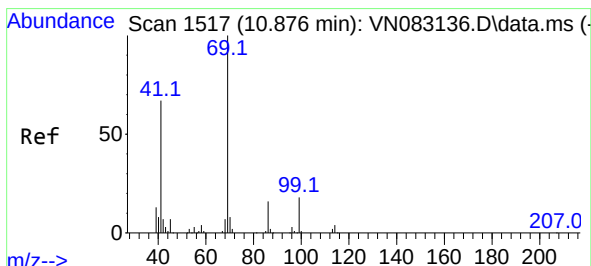
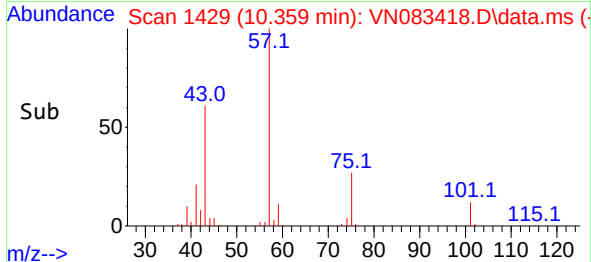
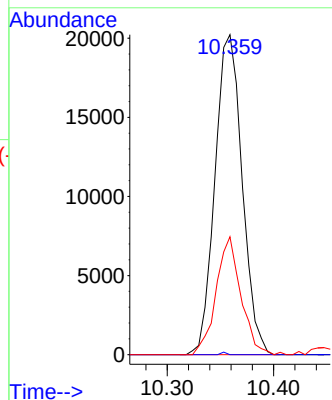
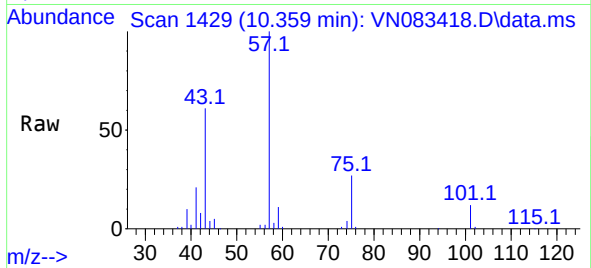




#54
cis-1,3-Dichloropropene
Concen: 10.508 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

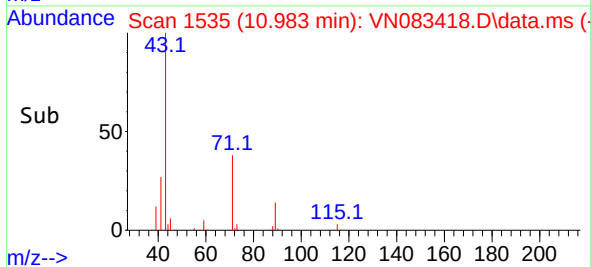
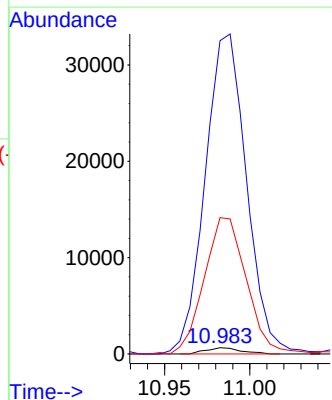
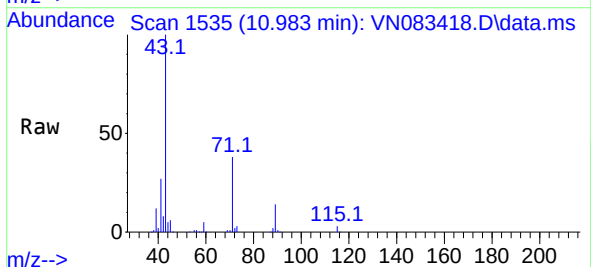
Instrument :
MSVOA_N
ClientSampleId :

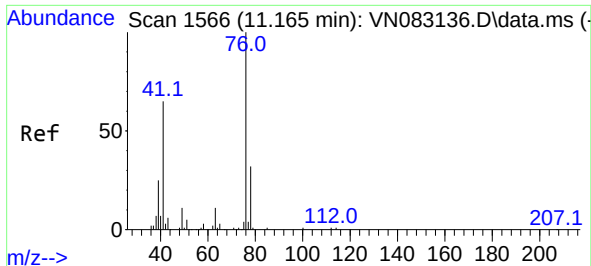
Tgt Ion: 75 Resp: 35798
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 36.9 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.267 ug/l
RT: 10.983 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

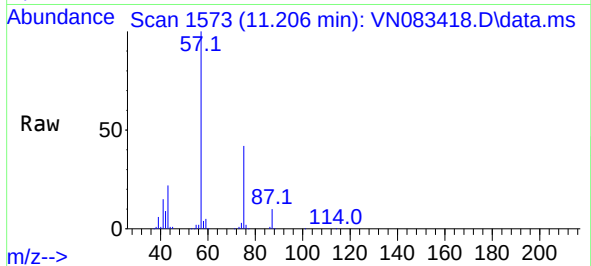
Tgt Ion: 69 Resp: 930
Ion Ratio Lower Upper
69 100
41 6057.6 63.4 95.2#
39 2631.9 37.4 56.0#



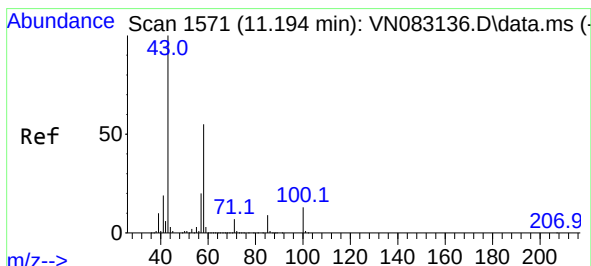
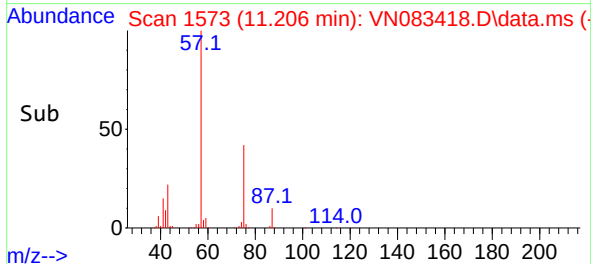
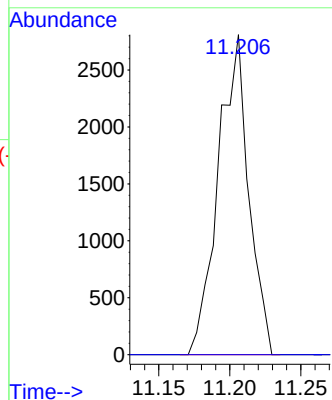


#57
1,3-Dichloropropane
Concen: 1.270 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

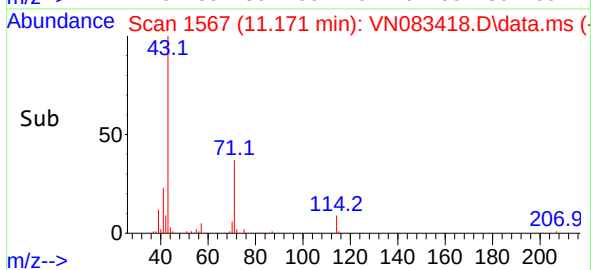
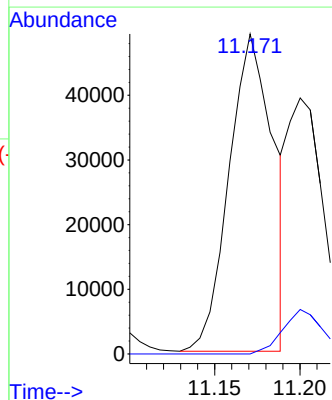
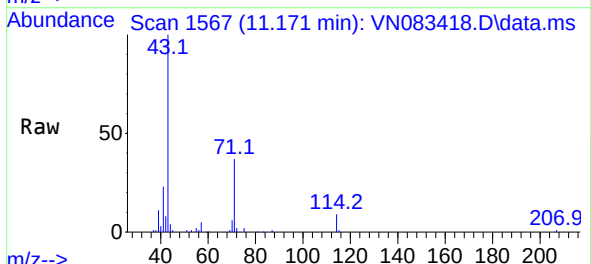


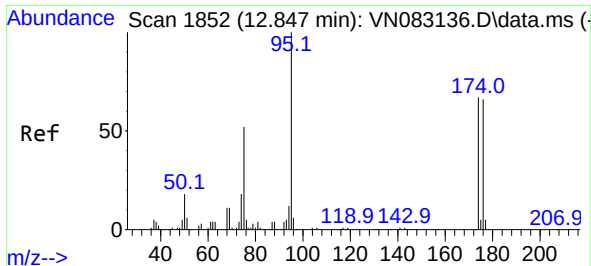
Tgt Ion: 76 Resp: 4188
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 39.231 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Tgt Ion: 43 Resp: 88169
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#

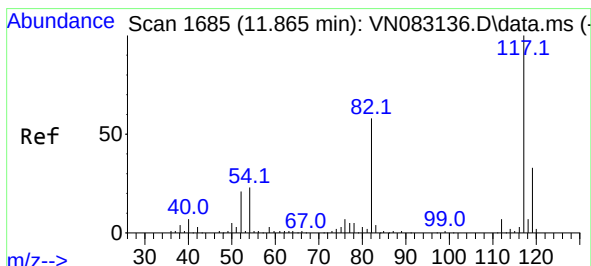
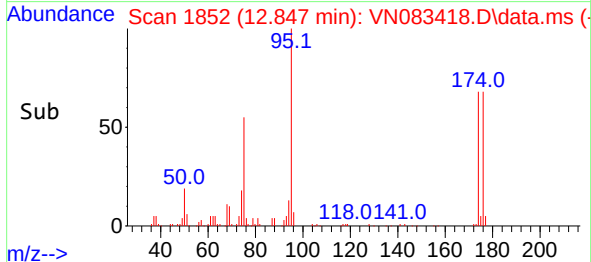
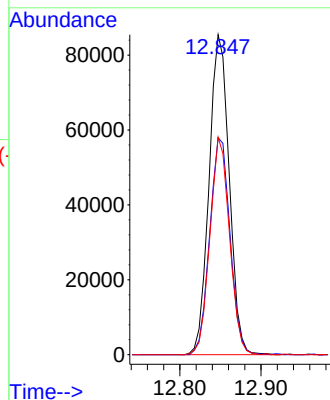
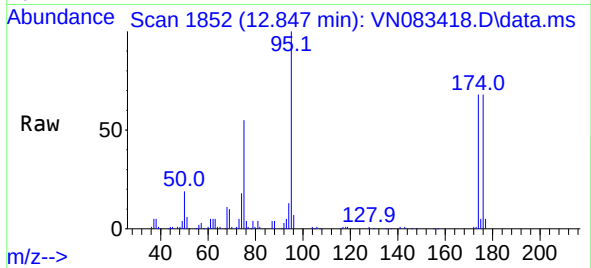




#62
4-Bromofluorobenzene
Concen: 55.793 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

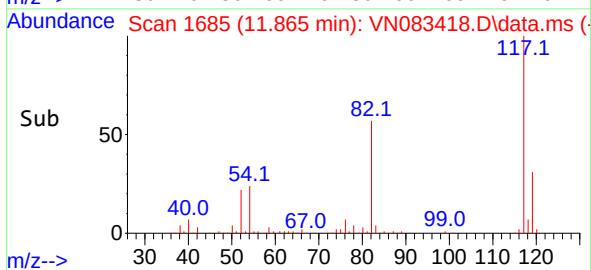
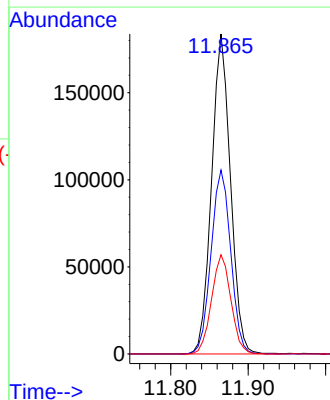
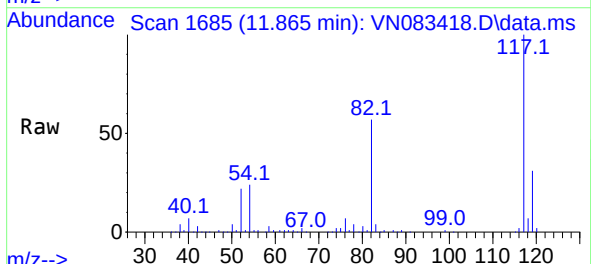
Instrument :
MSVOA_N
ClientSampleId :

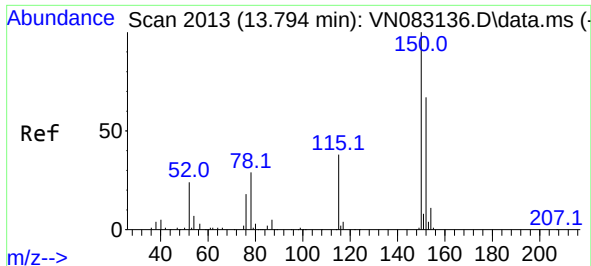
Tgt Ion: 95 Resp: 147164
Ion Ratio Lower Upper
95 100
174 68.6 0.0 159.2
176 65.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

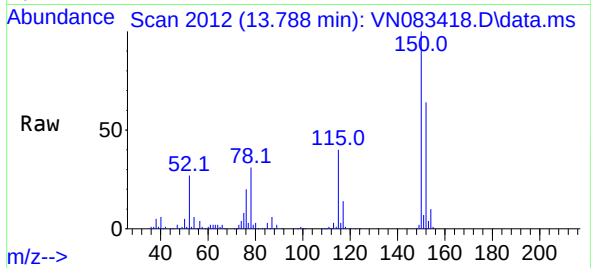
Tgt Ion: 117 Resp: 311017
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 31.0 25.6 38.4



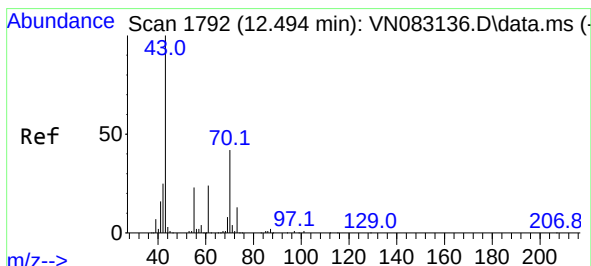
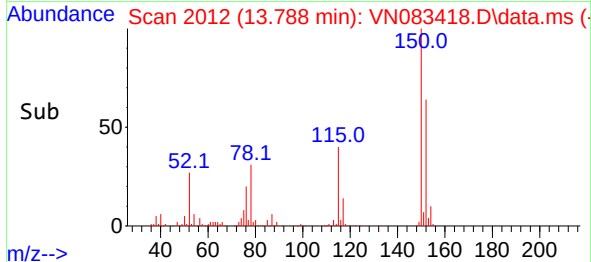
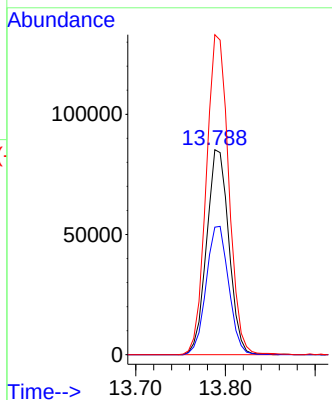


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

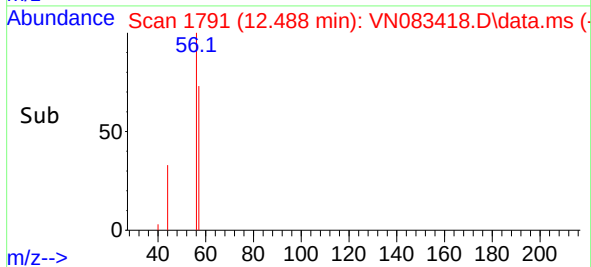
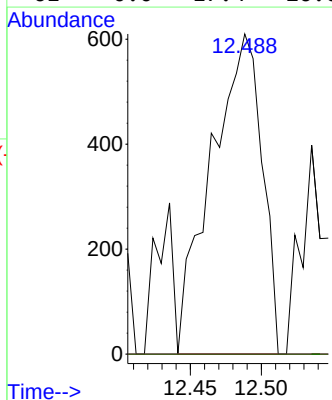
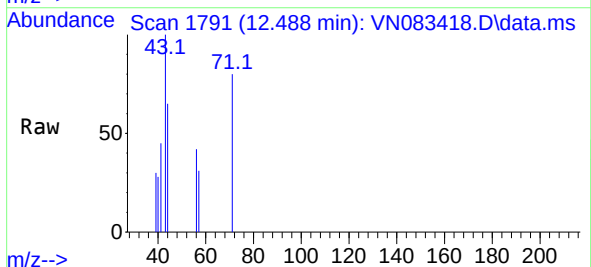


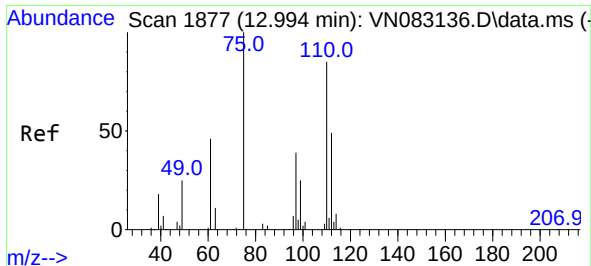
Tgt Ion:152 Resp: 146623
Ion Ratio Lower Upper
152 100
115 63.6 30.6 91.6
150 157.5 0.0 348.6



#74
N-ethyl acetate
Concen: 0.252 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Tgt Ion: 43 Resp: 1509
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#

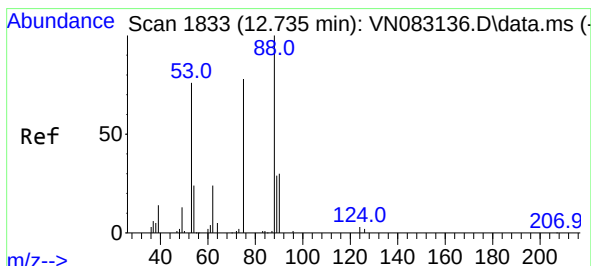
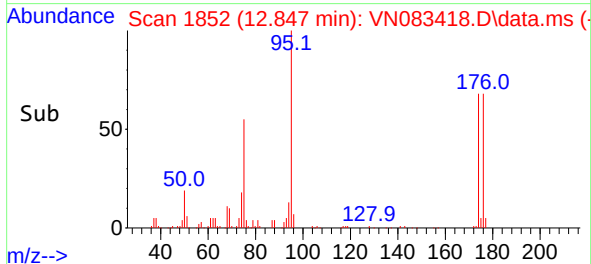
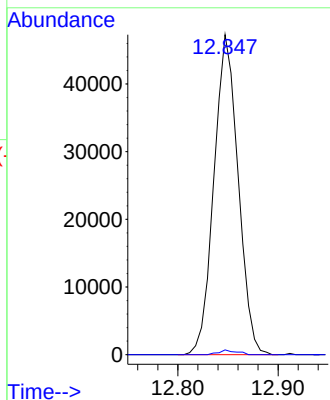
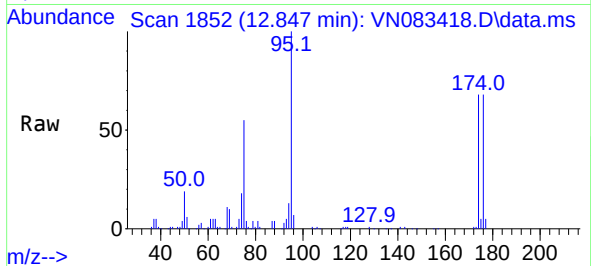




#76
1,2,3-Trichloropropane
Concen: 24.637 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 79281
Ion Ratio Lower Upper
75 100
77 1.1 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.591 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083418.D
Acq: 21 Aug 2024 19:07

Tgt Ion: 75 Resp: 79281
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.1 36.3 54.5#

