

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077460.D
 Acq On : 25 Apr 2023 10:06
 Operator : JC\MD
 Sample : 02423-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPE-1WC-23-04-18

Quant Time: Apr 25 14:07:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

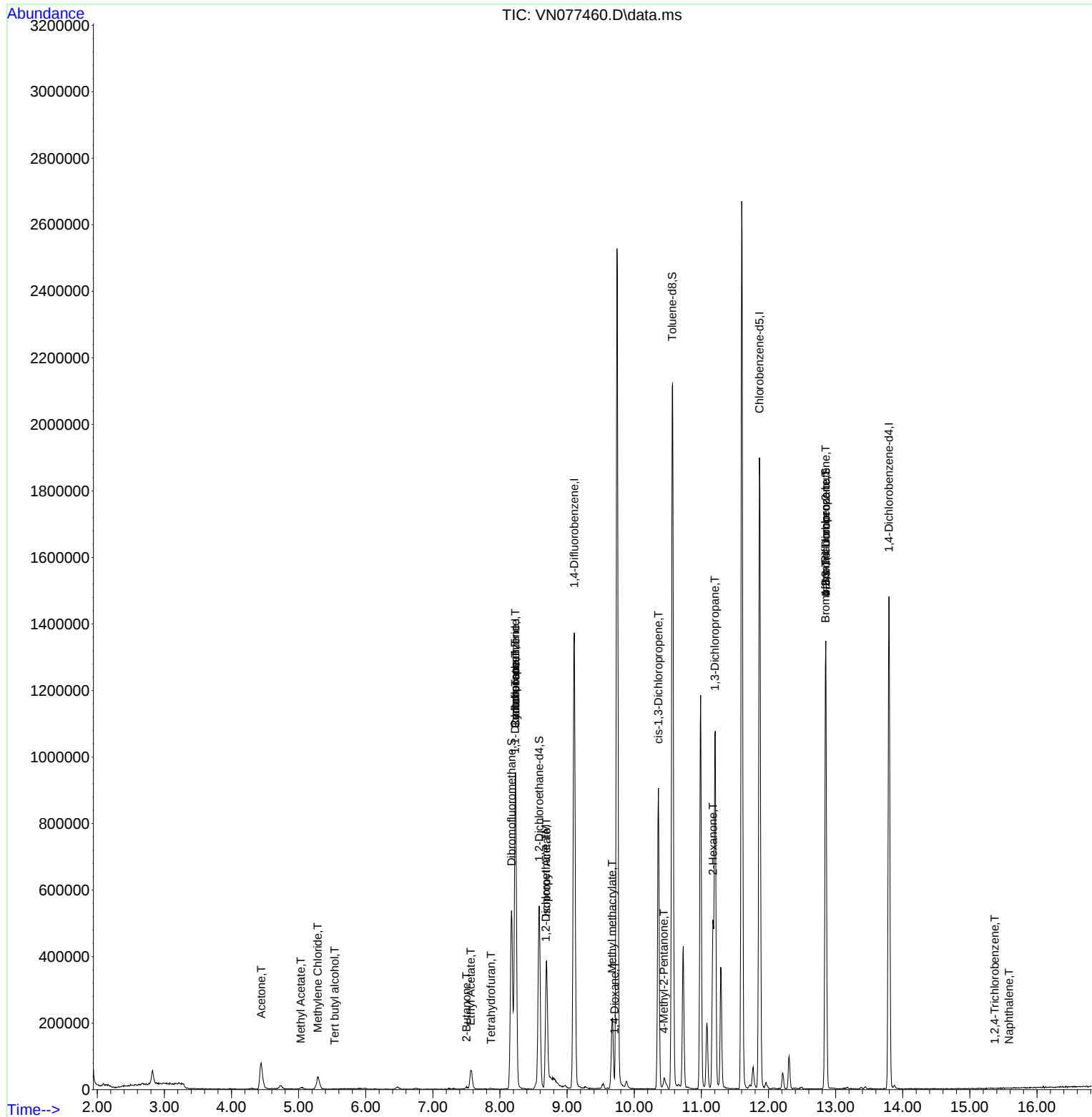
Internal Standards						
1) Pentafluorobenzene	8.231	168	685648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1267426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1158830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	411152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	448211	50.097	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.200%			
35) Dibromofluoromethane	8.172	113	386636	50.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	10.566	98	1571431	53.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.640%			
62) 4-Bromofluorobenzene	12.854	95	481220	50.378	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.760%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.537	59	1340	0.933	ug/l #	72
16) Acetone	4.443	43	145242	51.027	ug/l	97
18) Methyl Acetate	5.031	43	5046	0.459	ug/l #	78
20) Methylene Chloride	5.284	84	31904	3.534	ug/l #	88
25) 2-Butanone	7.501	43	7387	1.830	ug/l	93
29) Tetrahydrofuran	7.866	42	1901	0.752	ug/l	98
31) Cyclohexane	8.231	56	16402	1.294	ug/l #	44
36) 1,1-Dichloropropene	8.225	75	58215	5.290	ug/l #	49
37) Ethyl Acetate	7.566	43	87882	10.509	ug/l	98
38) Carbon Tetrachloride	8.231	117	77500	6.382	ug/l #	15
42) 1,2-Dichloroethane	8.684	62	3472	0.302	ug/l	86
43) Isopropyl Acetate	8.689	43	456751	31.570	ug/l #	85
48) Methyl methacrylate	9.672	41	11520	1.749	ug/l #	35
49) 1,4-Dioxane	9.707	88	209	1.265	ug/l #	30
51) 4-Methyl-2-Pentanone	10.442	43	31552	3.718	ug/l #	74
54) cis-1,3-Dichloropropene	10.360	75	184018	13.545	ug/l #	62
57) 1,3-Dichloropropane	11.201	76	14594	1.037	ug/l #	42
59) 2-Hexanone	11.172	43	485867	78.767	ug/l #	19
71) Bromoform	12.848	173	2036	0.349	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	256321	26.809	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	256321	75.741	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.371	180	139	0.844	ug/l #	14
95) Naphthalene	15.583	128	345	1.172	ug/l #	70

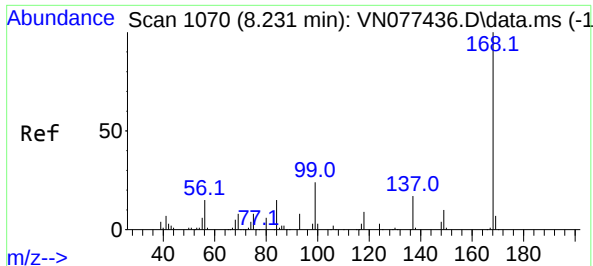
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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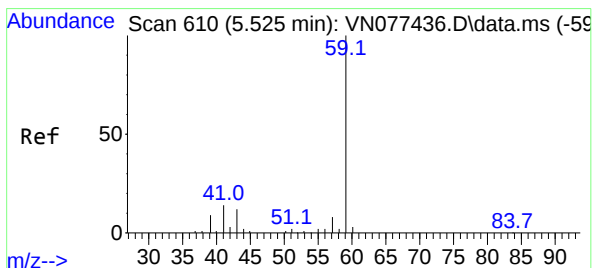
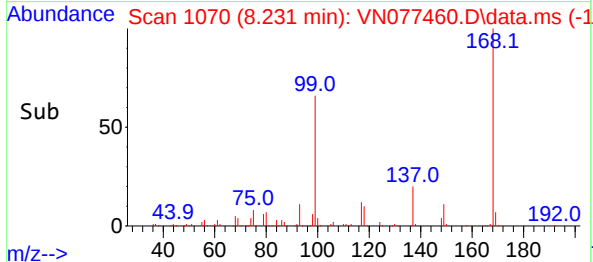
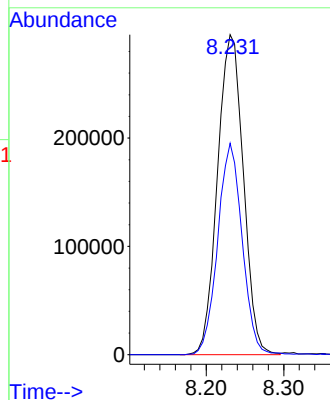
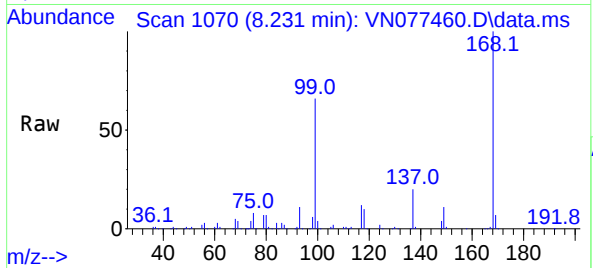




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

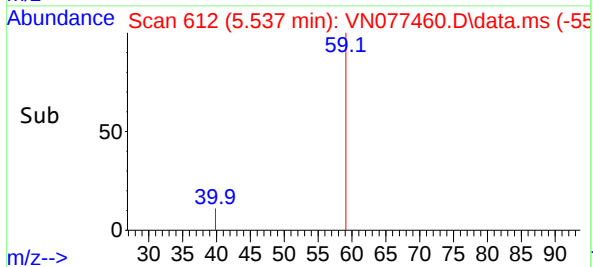
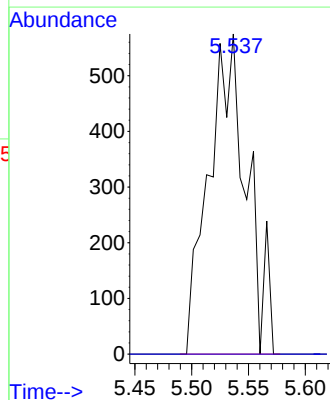
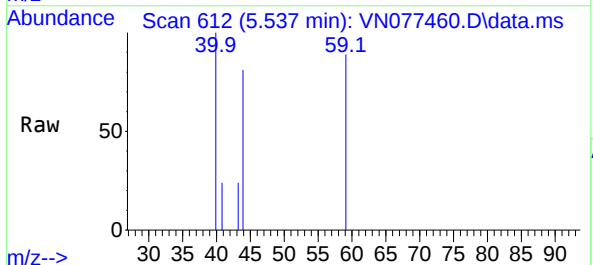
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

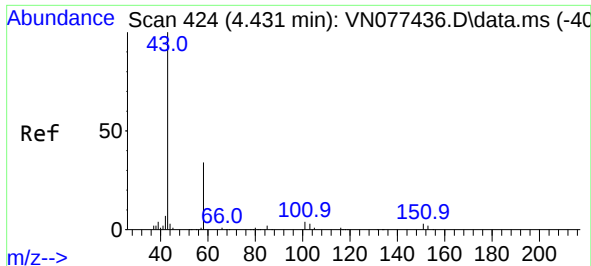
Tgt Ion:168 Resp: 685648
Ion Ratio Lower Upper
168 100
99 66.0 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.933 ug/l
RT: 5.537 min Scan# 612
Delta R.T. 0.012 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 59 Resp: 1340
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

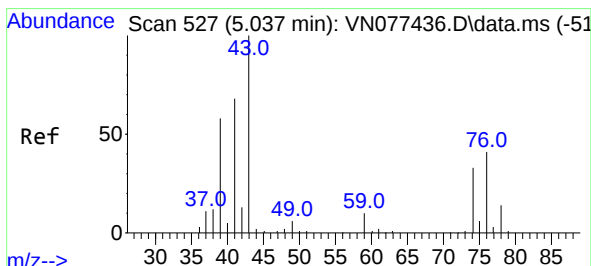
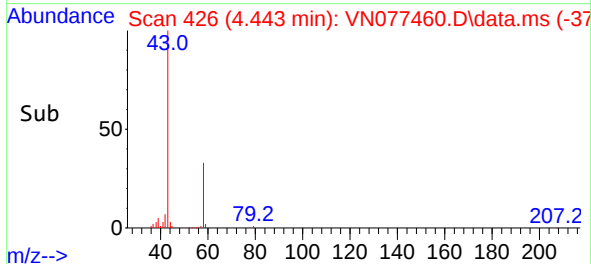
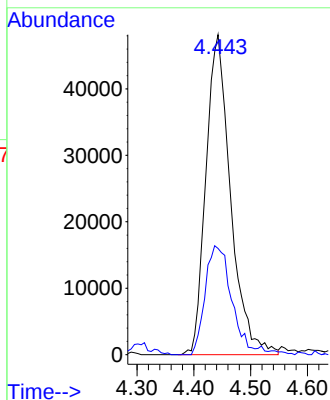
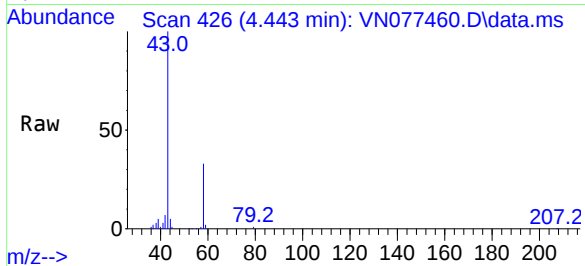




#16
Acetone
Concen: 51.027 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

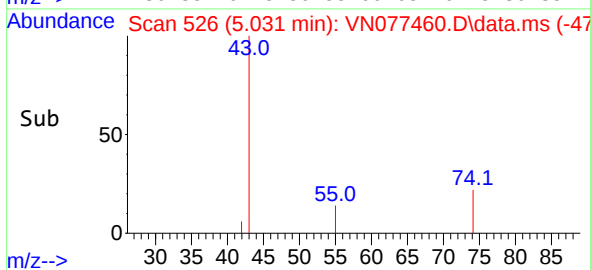
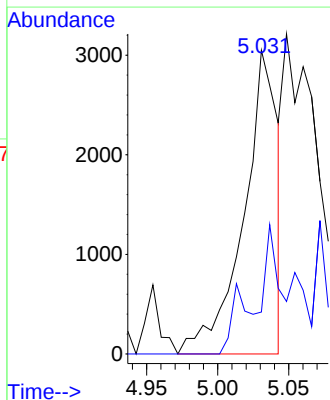
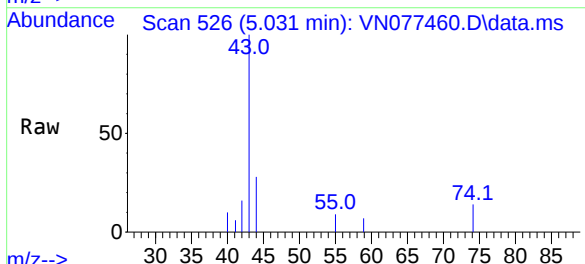
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

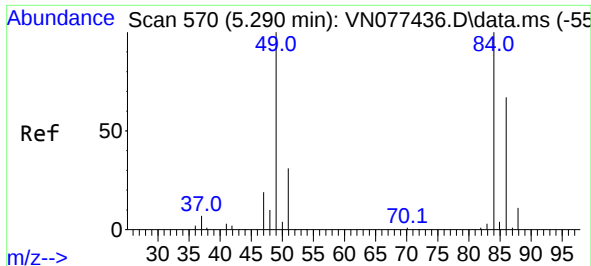
Tgt Ion: 43 Resp: 145242
Ion Ratio Lower Upper
43 100
58 33.2 28.0 42.0



#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 5.031 min Scan# 526
Delta R.T. -0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

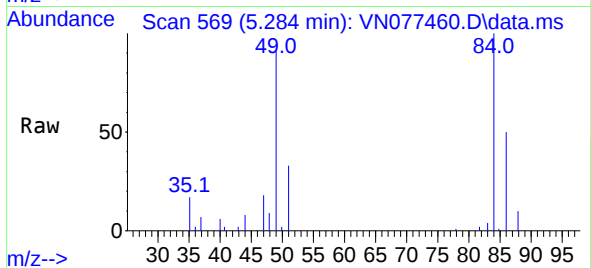
Tgt Ion: 43 Resp: 5046
Ion Ratio Lower Upper
43 100
74 20.3 26.2 39.4#





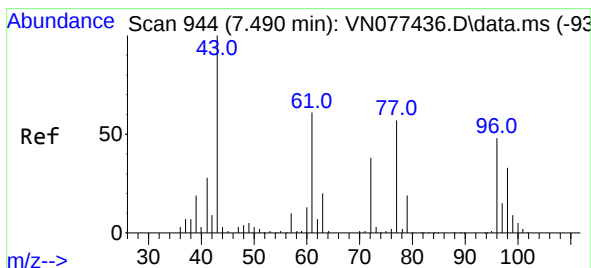
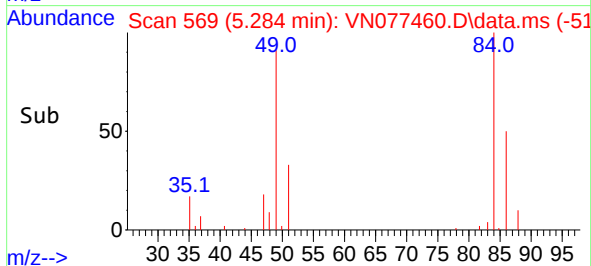
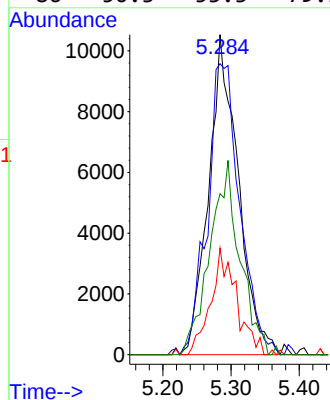
#20
Methylene Chloride
Concen: 3.534 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion: 84 Resp: 31904

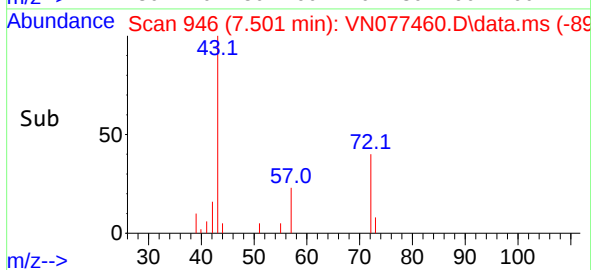
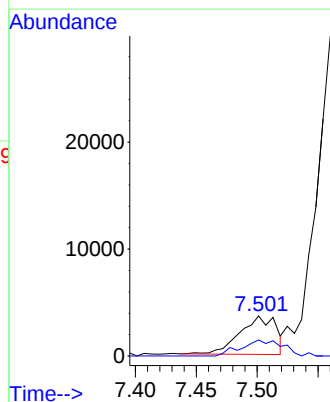
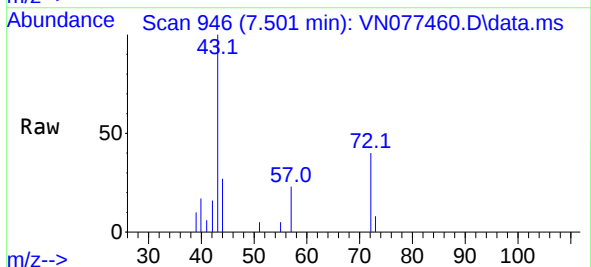
Ion	Ratio	Lower	Upper
84	100		
49	91.0	79.7	119.5
51	33.3	25.2	37.8
86	50.3	53.3	79.9

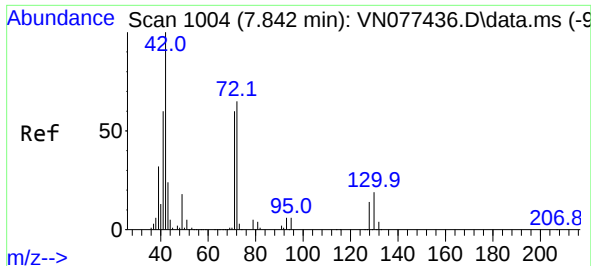


#25
2-Butanone
Concen: 1.830 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 43 Resp: 7387

Ion	Ratio	Lower	Upper
43	100		
72	42.2	30.2	45.2

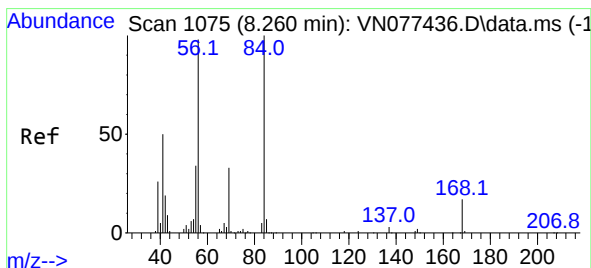
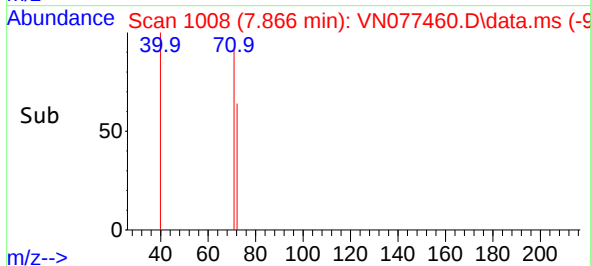
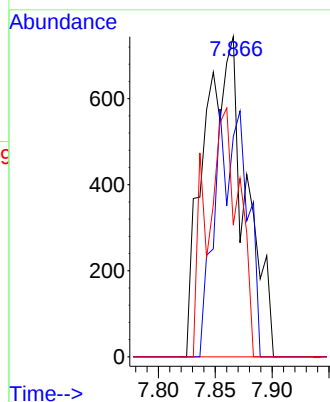
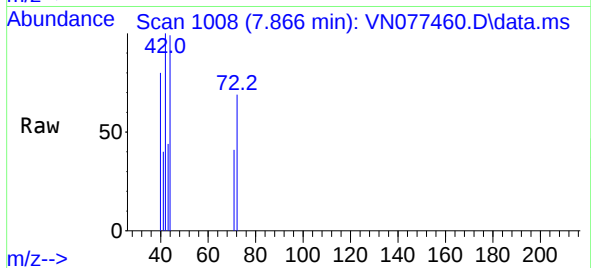




#29
Tetrahydrofuran
Concen: 0.752 ug/l
RT: 7.866 min Scan# 1008
Delta R.T. 0.023 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

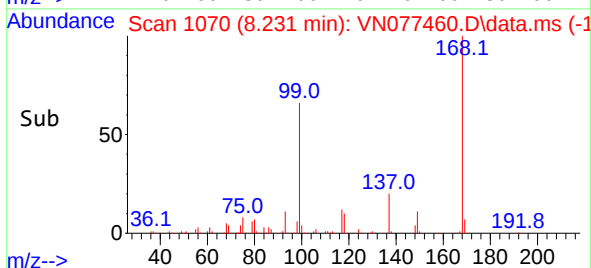
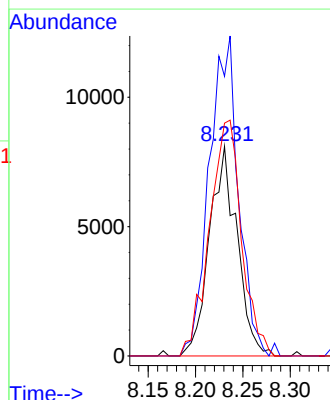
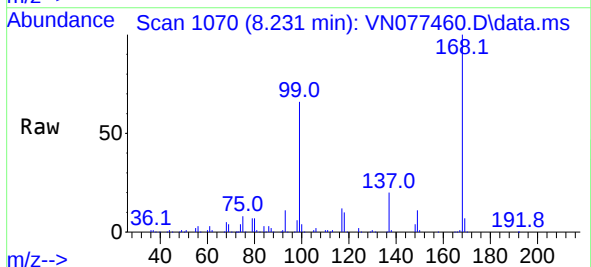
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

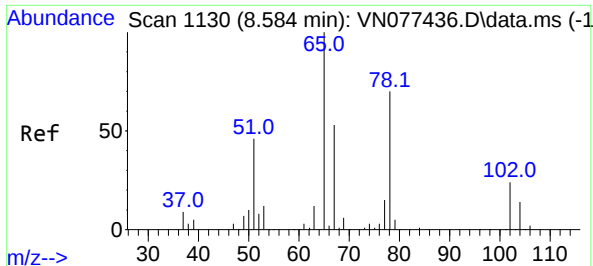
Tgt Ion:	42	Resp:	1901
Ion	Ratio	Lower	Upper
42	100		
72	58.9	49.8	74.6
71	59.2	47.4	71.2



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion:	56	Resp:	16402
Ion	Ratio	Lower	Upper
56	100		
69	133.4	26.8	40.2#
84	119.0	81.8	122.6

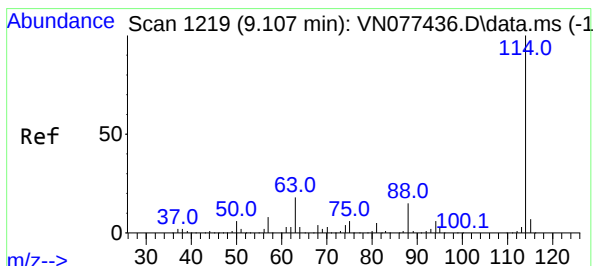
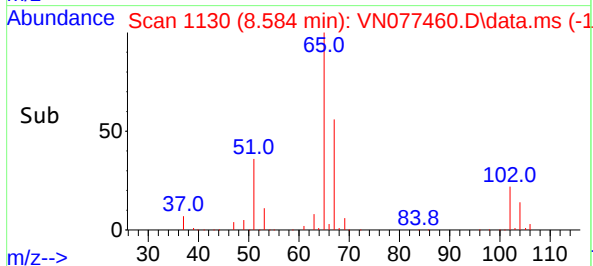
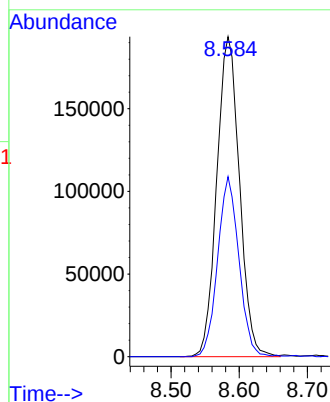
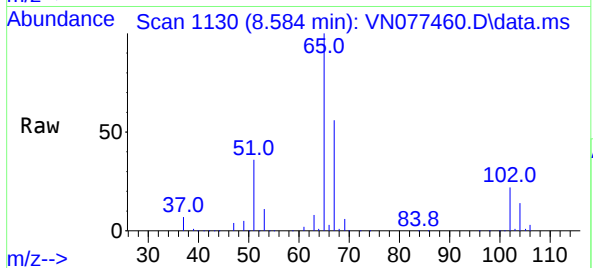




#33
1,2-Dichloroethane-d4
Concen: 50.097 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

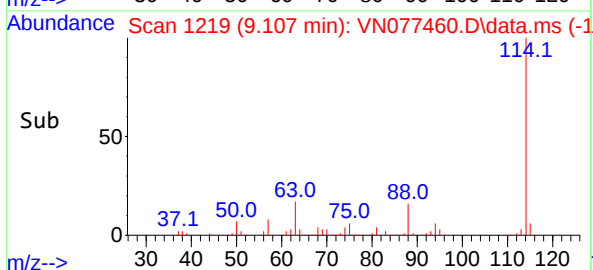
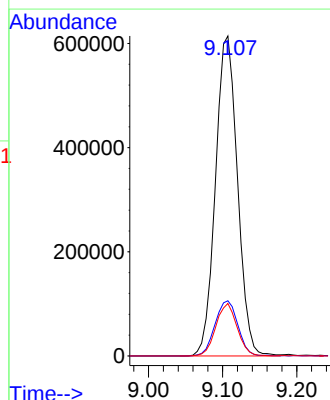
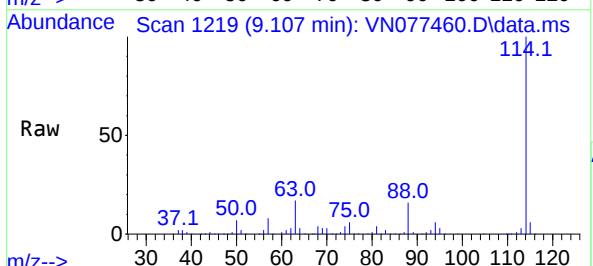
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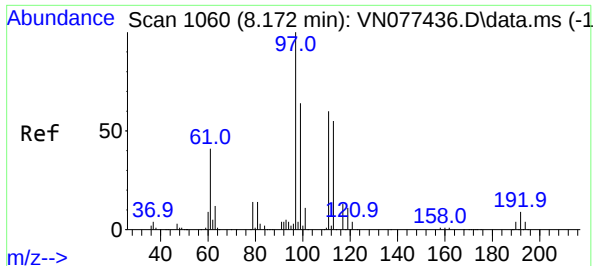
Tgt Ion: 65 Resp: 448211
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

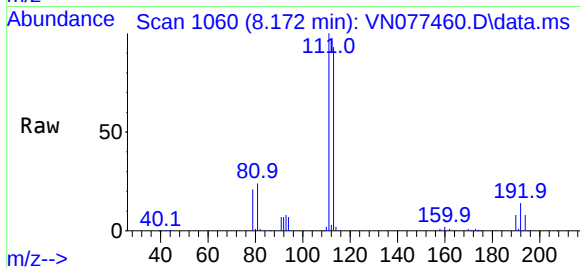
Tgt Ion: 114 Resp: 1267426
Ion Ratio Lower Upper
114 100
63 17.2 0.0 36.4
88 16.4 0.0 30.6



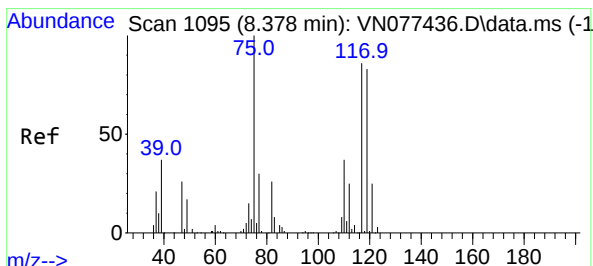
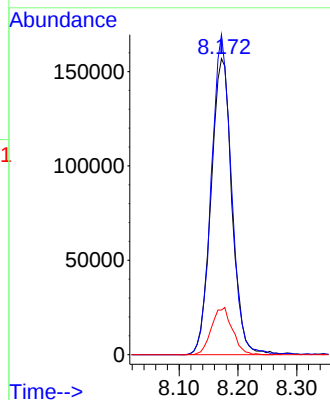
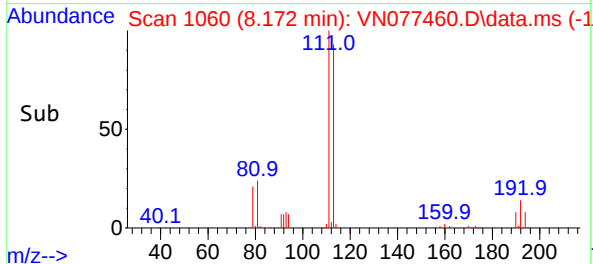


#35
Dibromofluoromethane
Concen: 50.754 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Instrument :
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ClientSampleId :
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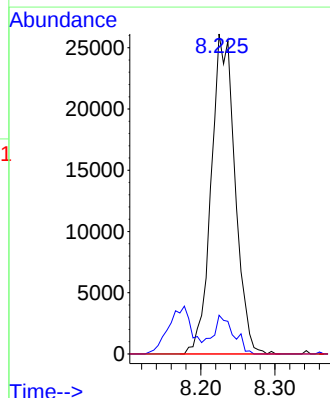
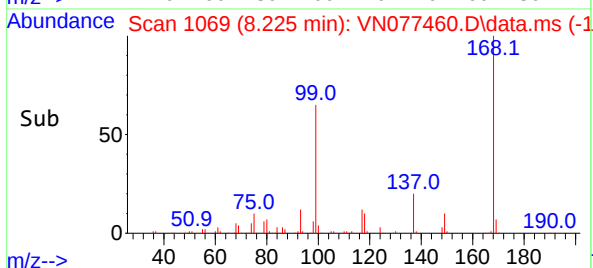
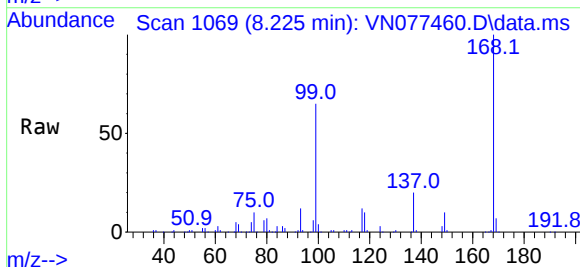


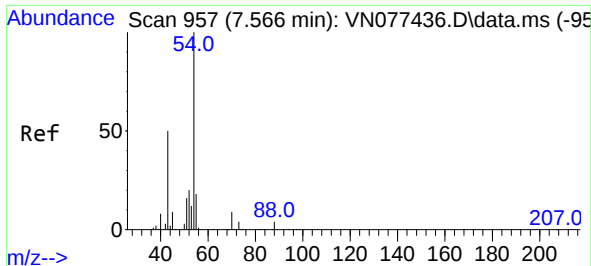
Tgt Ion:113 Resp: 386636
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 15.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 75 Resp: 58215
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#

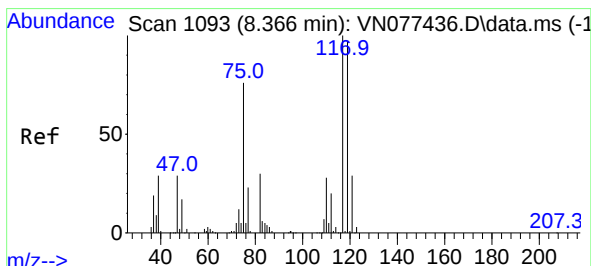
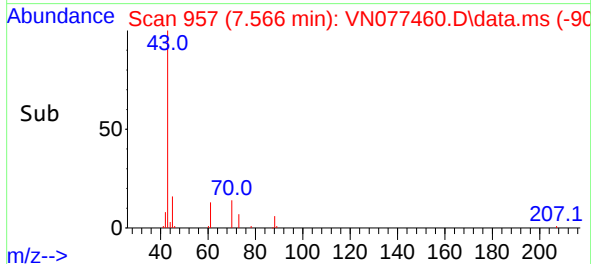
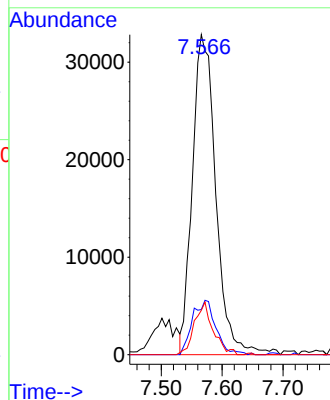
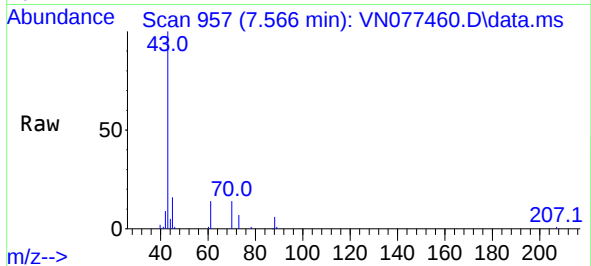




#37
Ethyl Acetate
Concen: 10.509 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

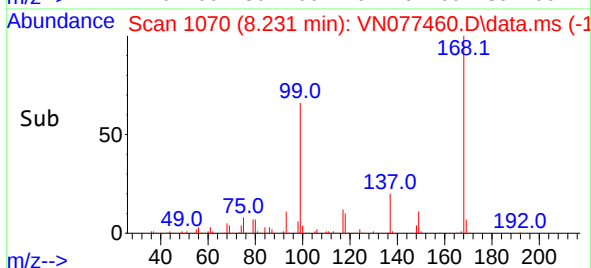
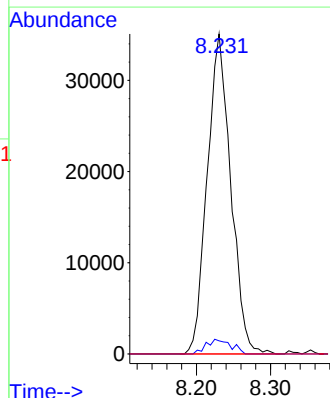
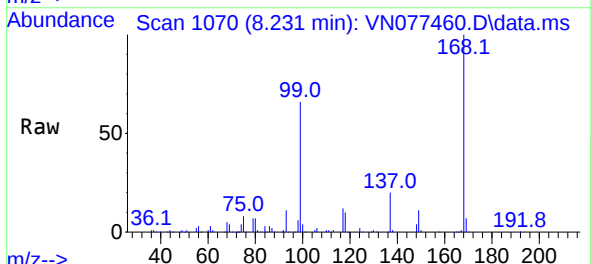
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

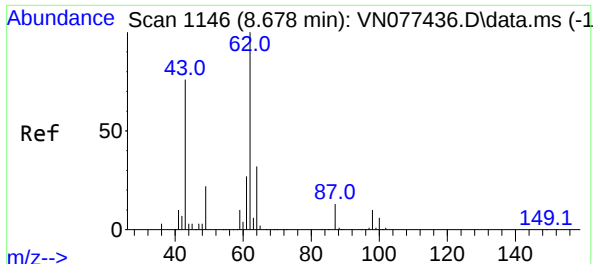
Tgt Ion: 43 Resp: 87882
Ion Ratio Lower Upper
43 100
61 17.0 13.2 19.8
70 13.1 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.382 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 117 Resp: 77500
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#

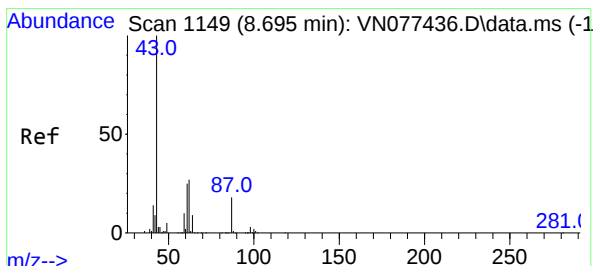
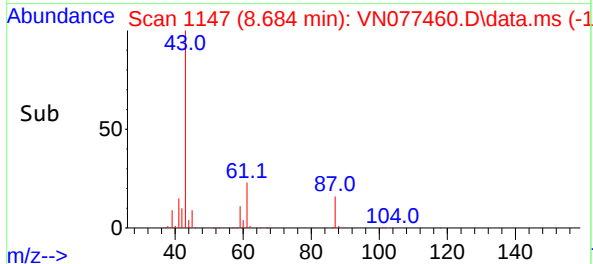
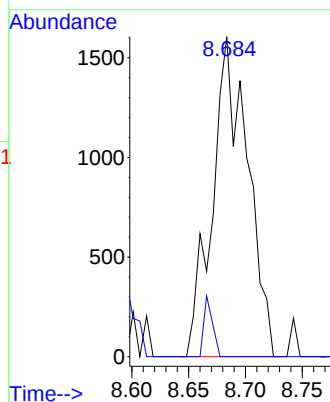
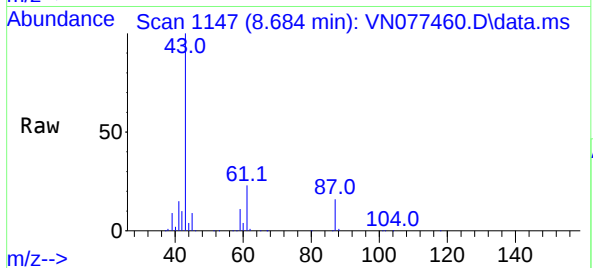




#42
1,2-Dichloroethane
Concen: 0.302 ug/l
RT: 8.684 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

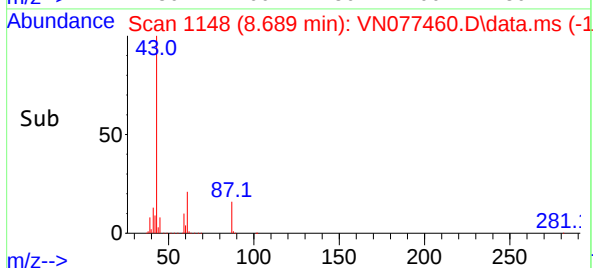
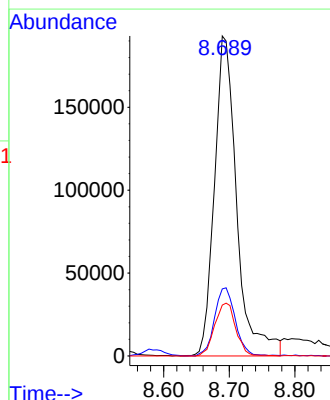
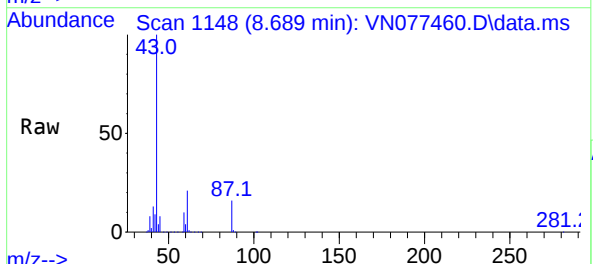
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

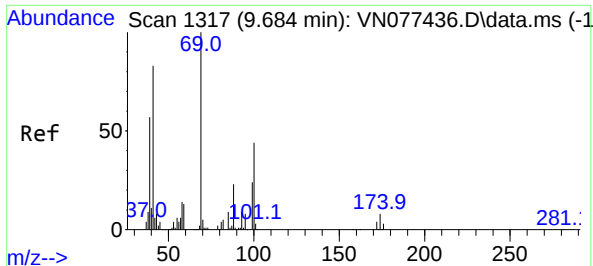
Tgt Ion: 62 Resp: 3472
Ion Ratio Lower Upper
62 100
98 4.6 0.0 19.8



#43
Isopropyl Acetate
Concen: 31.570 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 43 Resp: 456751
Ion Ratio Lower Upper
43 100
61 19.8 24.7 37.1#
87 15.6 14.6 21.8





#48

Methyl methacrylate

Concen: 1.749 ug/l

RT: 9.672 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN077460.D

Acq: 25 Apr 2023 10:06

Instrument :

MSVOA_N

ClientSampleId :

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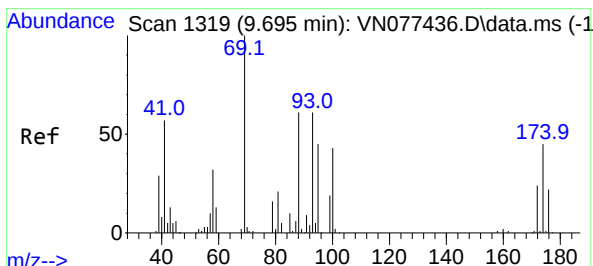
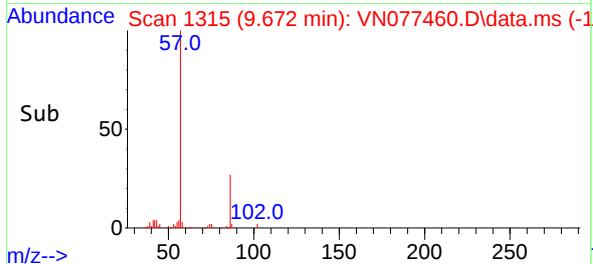
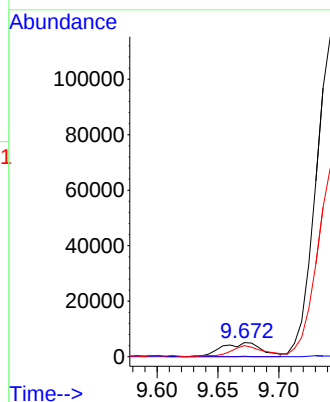
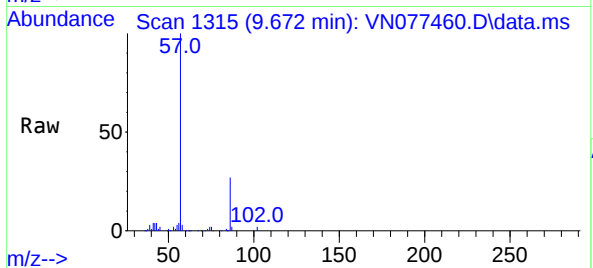
Tgt Ion: 41 Resp: 11520

Ion Ratio Lower Upper

41 100

69 0.5 90.4 135.6#

39 68.1 54.6 81.8



#49

1,4-Dioxane

Concen: 1.265 ug/l

RT: 9.707 min Scan# 1321

Delta R.T. 0.012 min

Lab File: VN077460.D

Acq: 25 Apr 2023 10:06

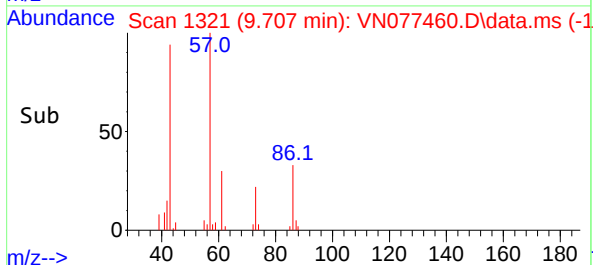
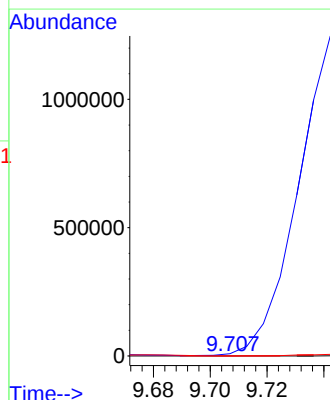
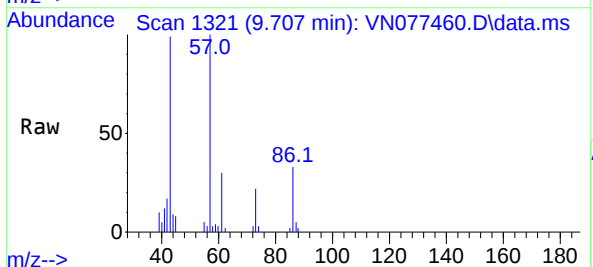
Tgt Ion: 88 Resp: 209

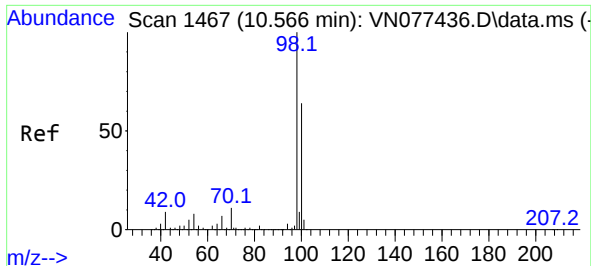
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#

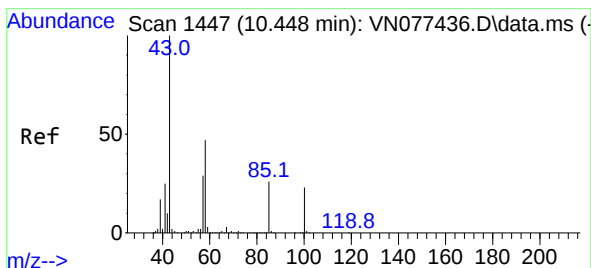
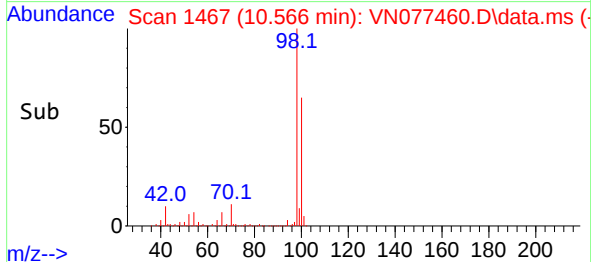
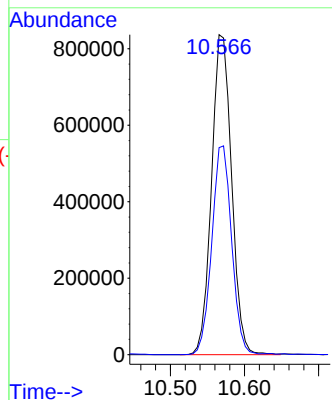
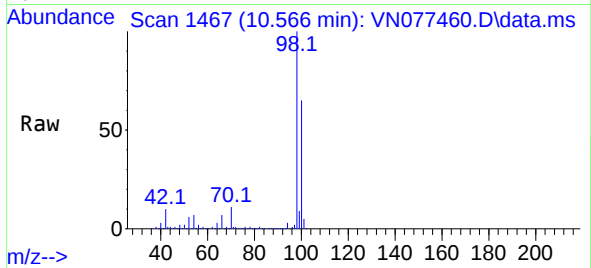




#50
Toluene-d8
Concen: 53.824 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

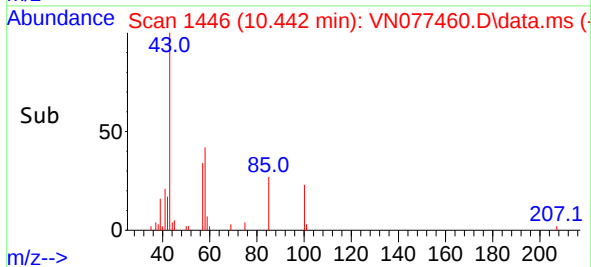
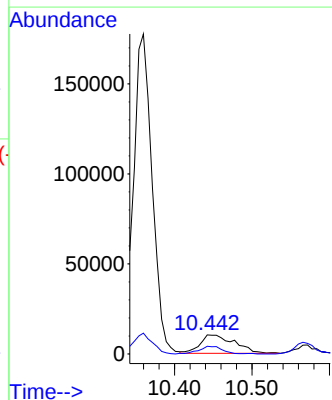
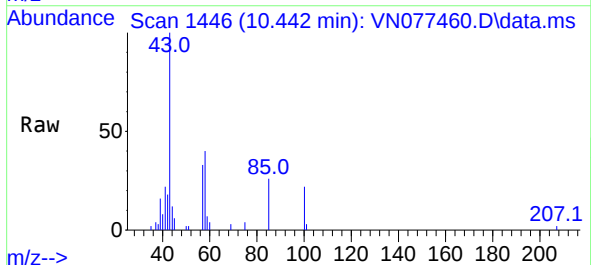
Instrument :
MSVOA_N
ClientSampleId :
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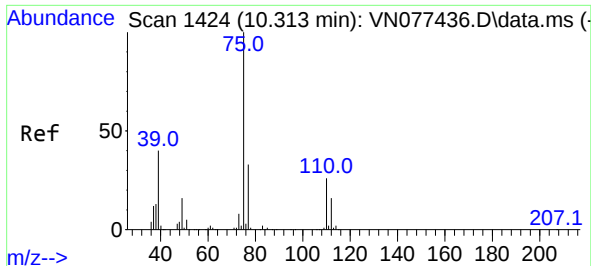
Tgt Ion: 98 Resp: 1571431
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.718 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

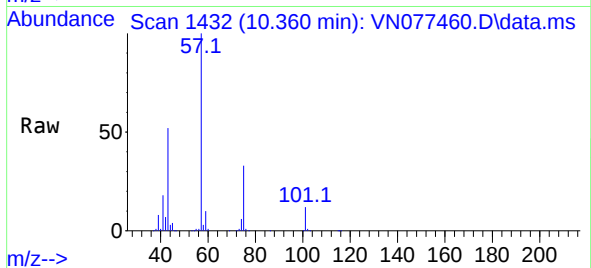
Tgt Ion: 43 Resp: 31552
Ion Ratio Lower Upper
43 100
58 28.4 36.6 54.8#



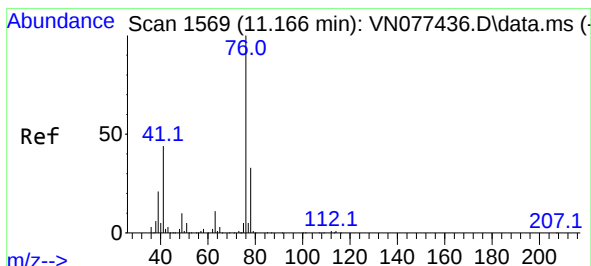
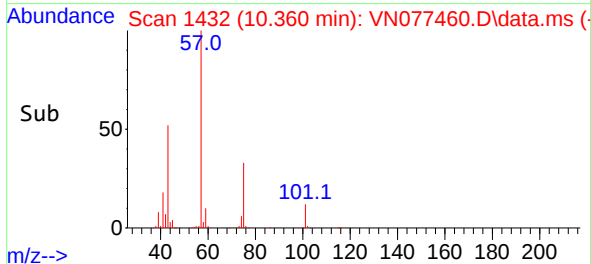
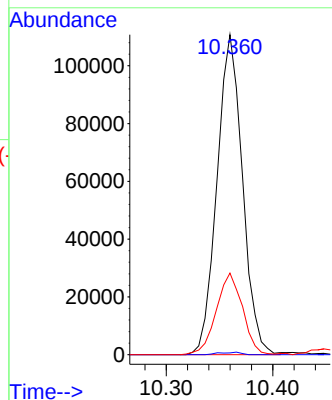


#54
cis-1,3-Dichloropropene
Concen: 13.545 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

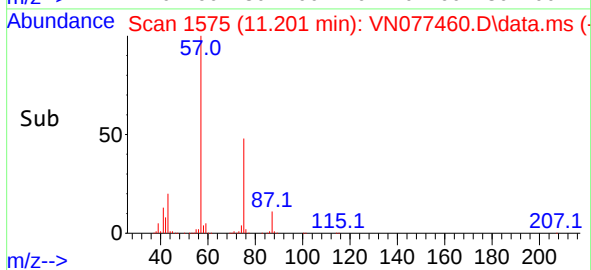
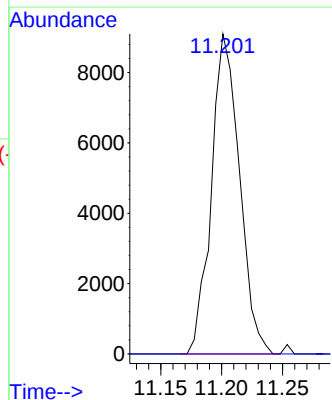
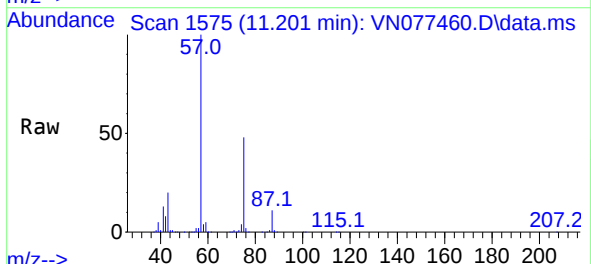


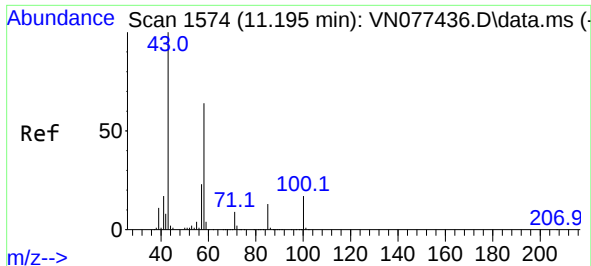
Tgt Ion: 75 Resp: 184018
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 25.5 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 1.037 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 76 Resp: 14594
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

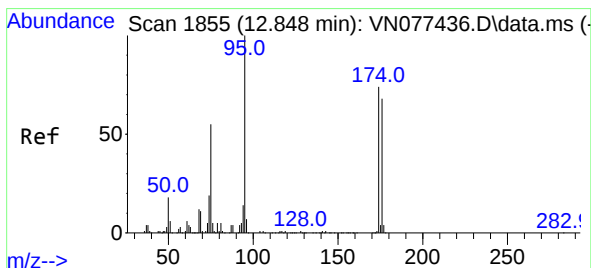
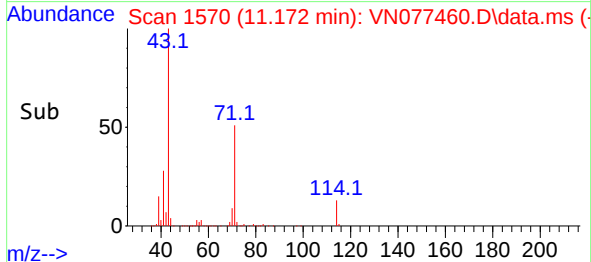
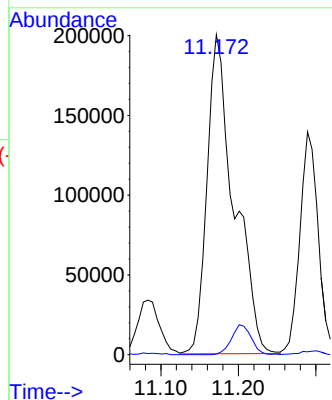
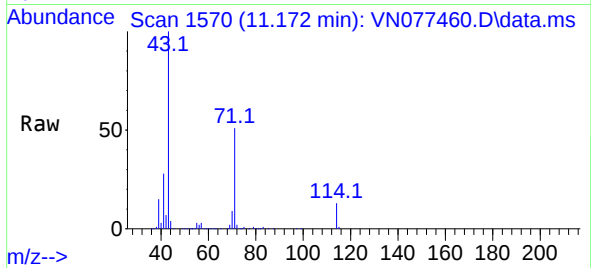




#59
2-Hexanone
Concen: 78.767 ug/l
RT: 11.172 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

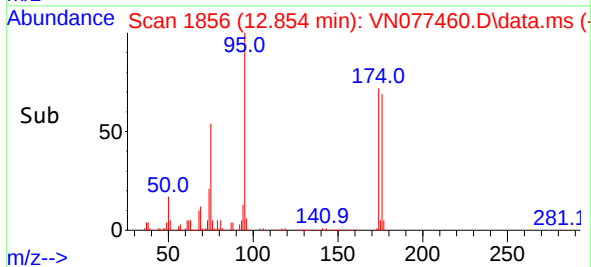
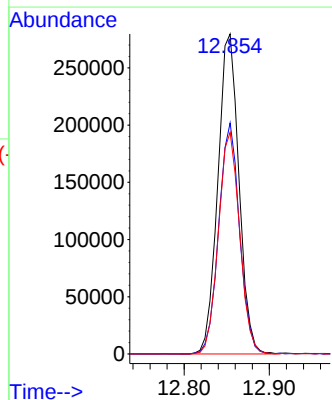
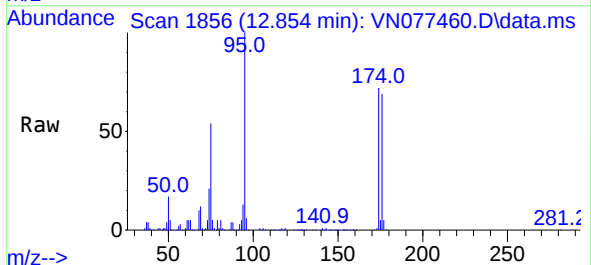
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

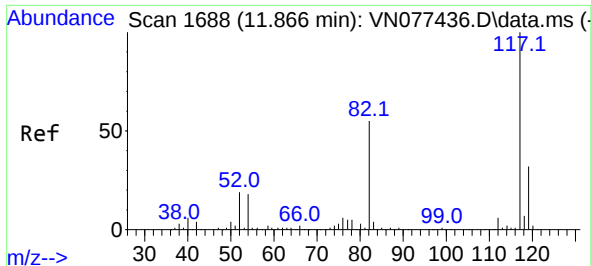
Tgt Ion: 43 Resp: 485867
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.378 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 95 Resp: 481220
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.8
176 69.4 0.0 135.8

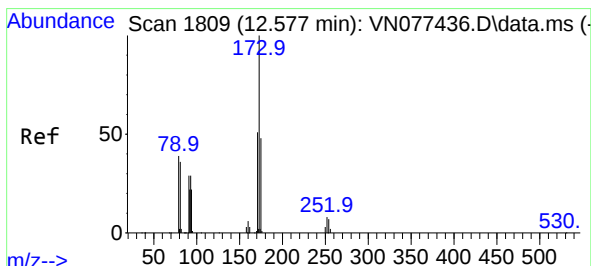
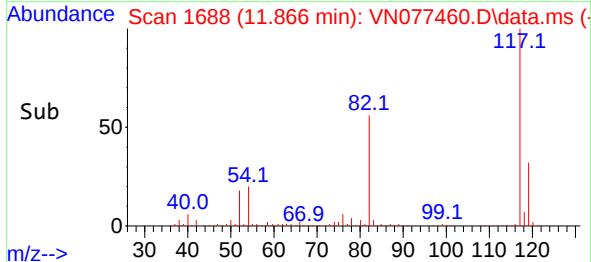
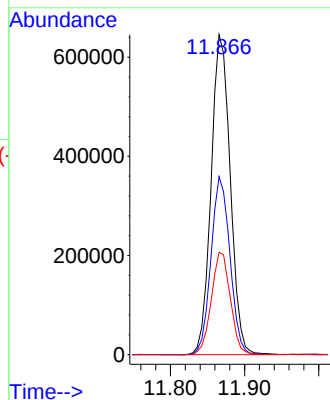
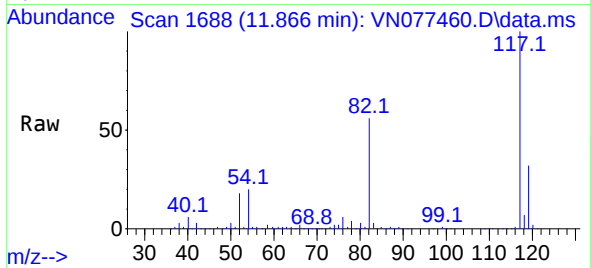




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

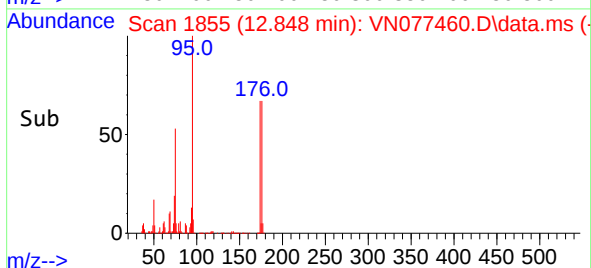
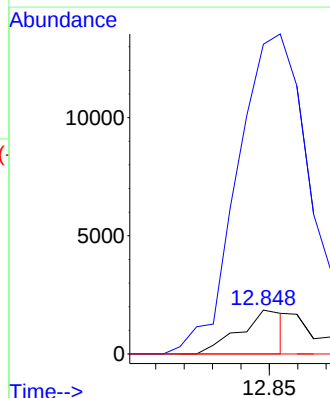
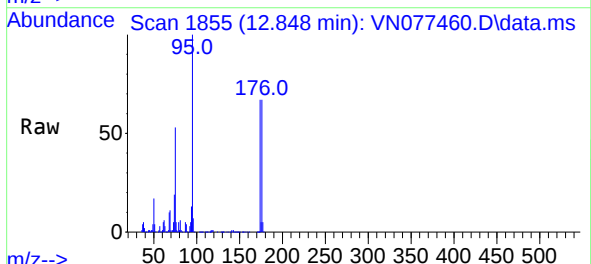
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

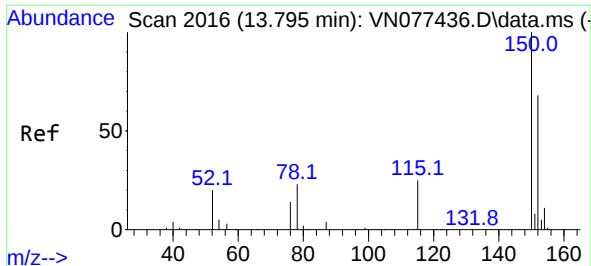
Tgt Ion:117 Resp: 1158830
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.349 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

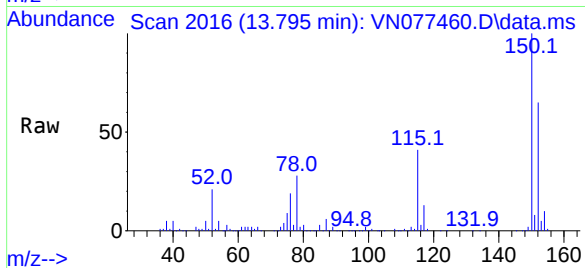
Tgt Ion:173 Resp: 2036
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



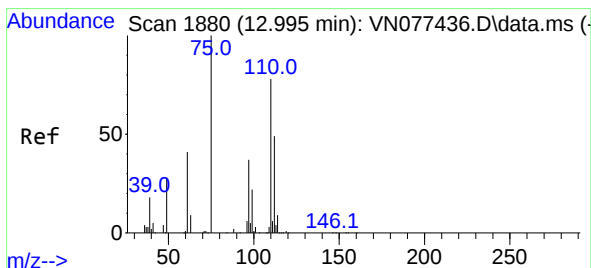
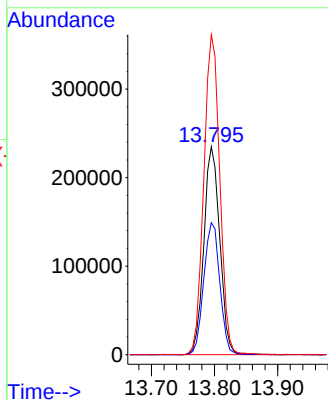
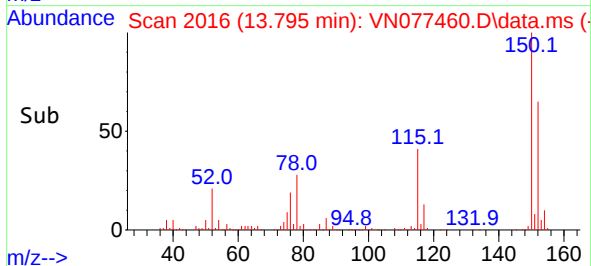


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

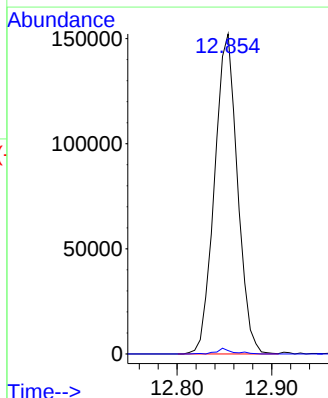
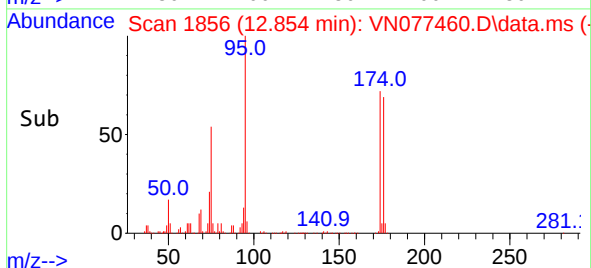
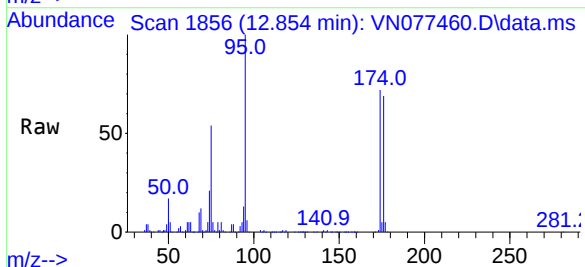


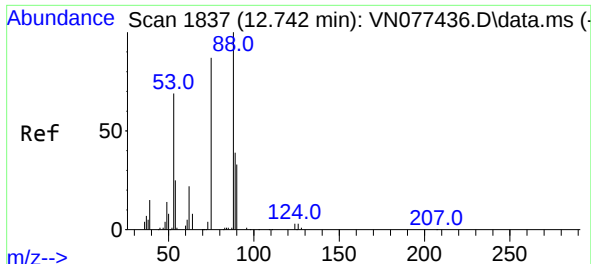
Tgt Ion:152 Resp: 411152
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 154.8 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 26.809 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Tgt Ion: 75 Resp: 256321
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#

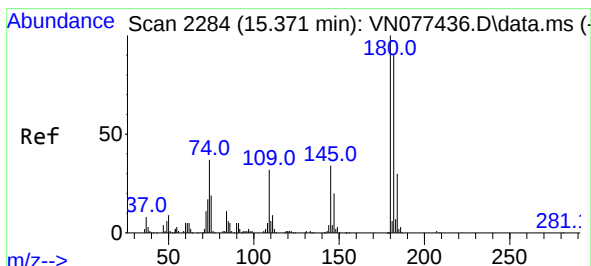
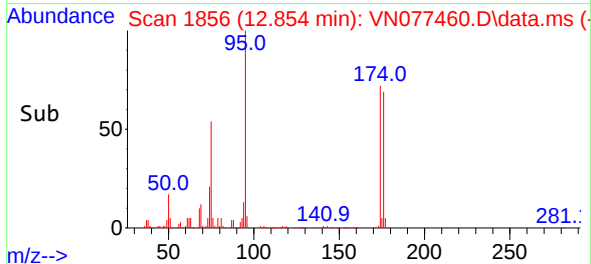
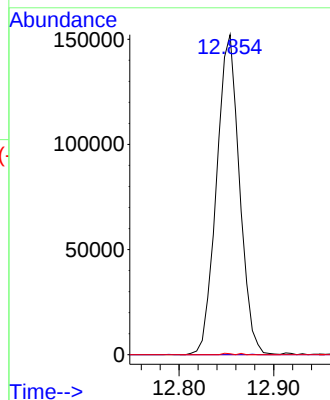
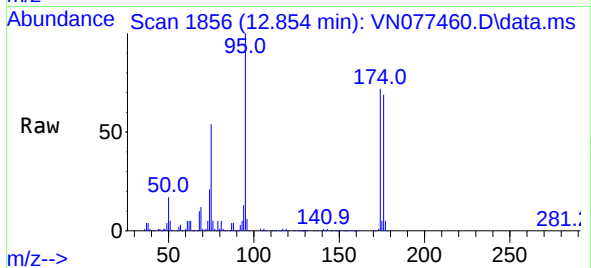




#81
trans-1,4-Dichloro-2-butene
Concen: 75.741 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

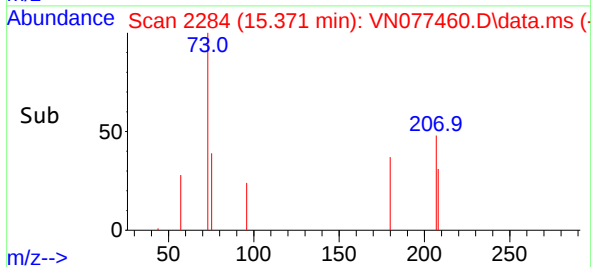
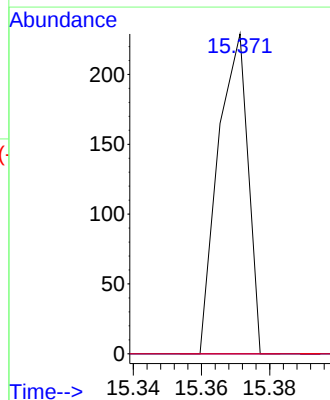
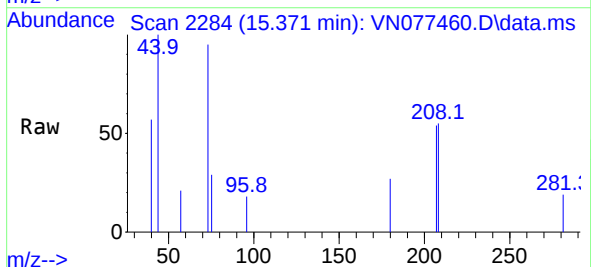
Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18

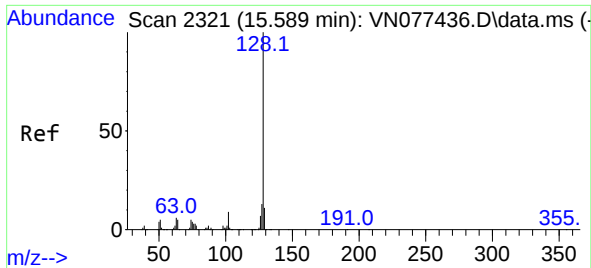
Tgt Ion: 75 Resp: 256321
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.844 ug/l
RT: 15.371 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

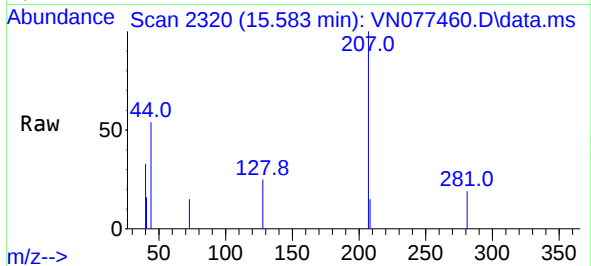
Tgt Ion:180 Resp: 139
Ion Ratio Lower Upper
180 100
182 0.0 46.1 138.2#
145 0.0 16.6 49.8#





#95
Naphthalene
Concen: 1.172 ug/l
RT: 15.583 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077460.D
Acq: 25 Apr 2023 10:06

Instrument :
MSVOA_N
ClientSampleId :
SPE-1WC-23-04-18



Tgt Ion:128 Resp: 345
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

