

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077325.D
 Acq On : 13 Apr 2023 13:47
 Operator : JC\MD
 Sample : 02292-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SO-G1-041123

Quant Time: Apr 14 07:23:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

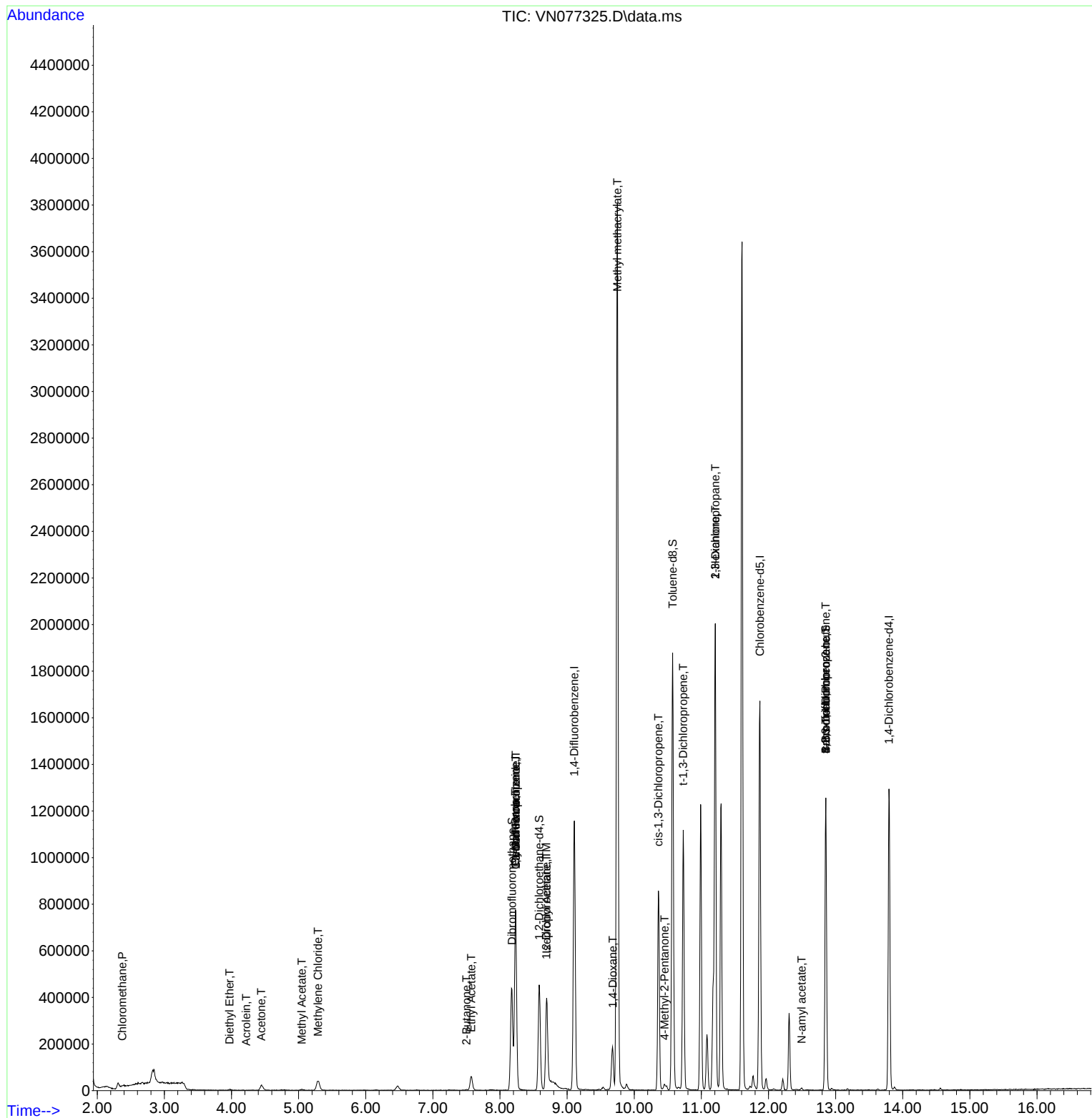
Internal Standards						
1) Pentafluorobenzene	8.230	168	555990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1057745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	982282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	346527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	349979	46.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.120%		
35) Dibromofluoromethane	8.178	113	318177	46.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.980%		
50) Toluene-d8	10.572	98	1343150	49.273	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.540%		
62) 4-Bromofluorobenzene	12.854	95	430979	47.538	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.080%		
Target Compounds					Qvalue	
3) Chloromethane	2.372	50	2123	0.241	ug/l #	56
8) Diethyl Ether	3.972	74	2205	0.509	ug/l	90
13) Acrolein	4.219	56	298	0.203	ug/l #	80
16) Acetone	4.442	43	39963	14.264	ug/l	95
18) Methyl Acetate	5.048	43	8768	0.822	ug/l #	75
20) Methylene Chloride	5.290	84	36167	4.571	ug/l	93
25) 2-Butanone	7.501	43	5354	1.177	ug/l #	76
31) Cyclohexane	8.230	56	13403	1.135	ug/l #	41
36) 1,1-Dichloropropene	8.236	75	47899	4.783	ug/l #	50
37) Ethyl Acetate	7.572	43	82972	9.260	ug/l	94
38) Carbon Tetrachloride	8.236	117	58556	5.707	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	3824	0.398	ug/l #	73
43) Isopropyl Acetate	8.695	43	464616	28.100	ug/l #	87
48) Methyl methacrylate	9.748	41	313536	44.453	ug/l #	33
49) 1,4-Dioxane	9.683	88	82	0.480	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	14786	1.547	ug/l #	86
53) t-1,3-Dichloropropene	10.730	75	3631	0.299	ug/l #	77
54) cis-1,3-Dichloropropene	10.360	75	178572	13.819	ug/l #	62
57) 1,3-Dichloropropane	11.207	76	24203	1.825	ug/l #	42
59) 2-Hexanone	11.207	43	197372	27.721	ug/l #	57
71) Bromoform	12.854	173	1958	0.340	ug/l #	1
74) N-amyl acetate	12.495	43	4271	0.335	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	232602	28.188	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	232602	63.433	ug/l #	13

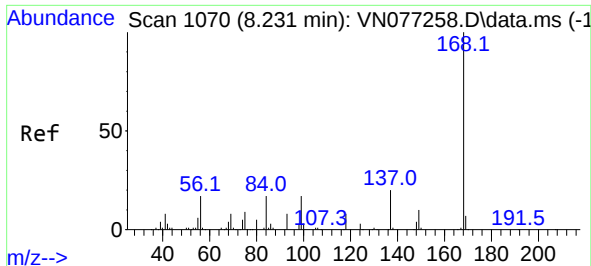
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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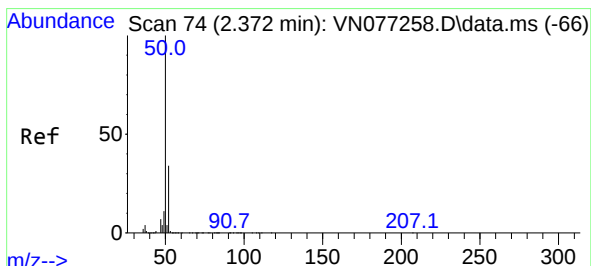
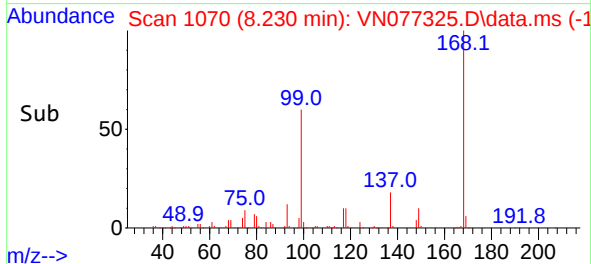
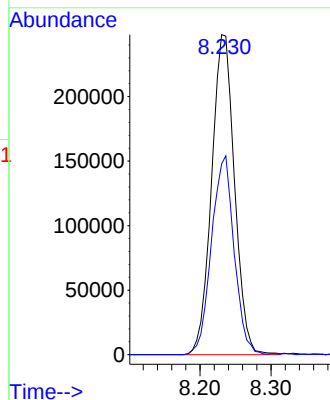
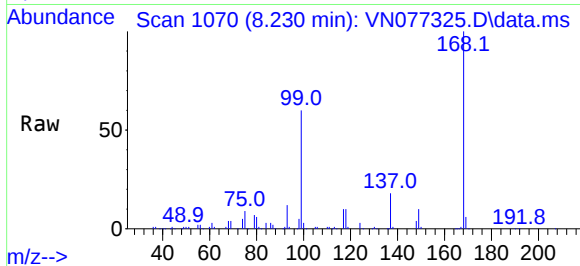




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

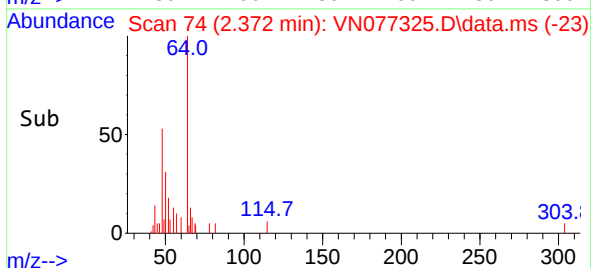
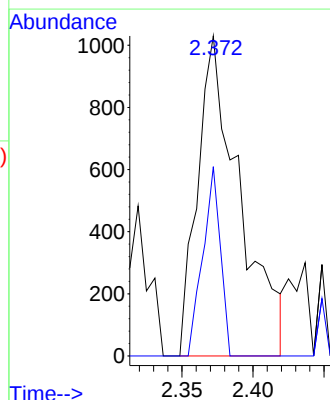
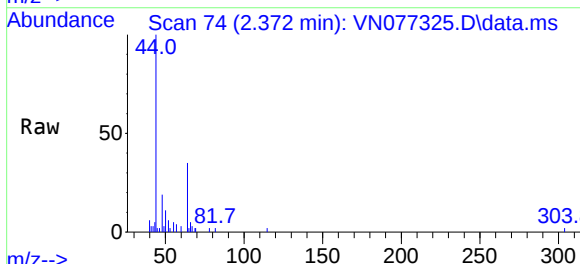
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

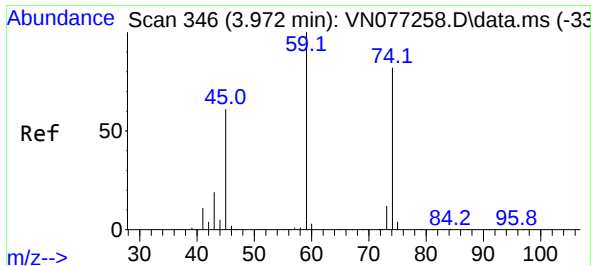
Tgt Ion:168 Resp: 555990
Ion Ratio Lower Upper
168 100
99 59.6 50.6 75.8



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 50 Resp: 2123
Ion Ratio Lower Upper
50 100
52 59.1 27.3 40.9#

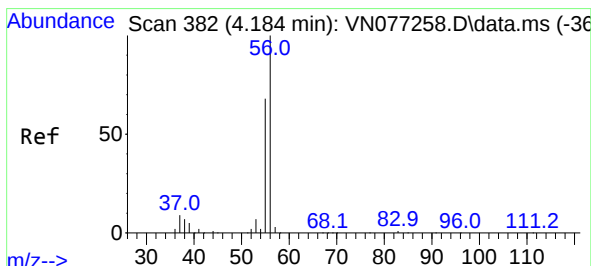
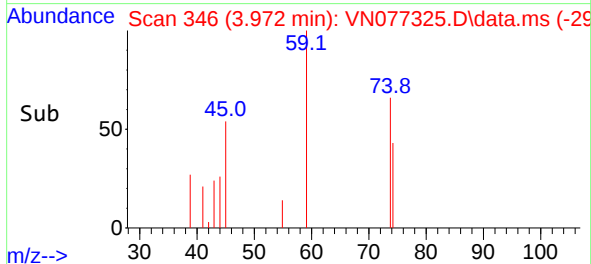
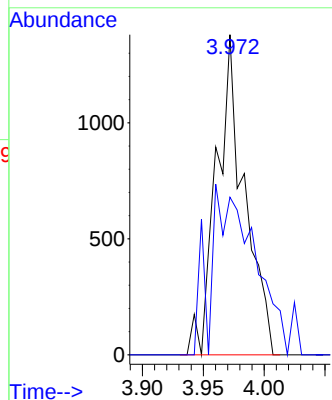
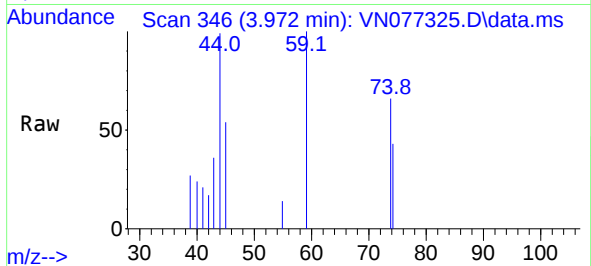




#8
Diethyl Ether
Concen: 0.509 ug/l
RT: 3.972 min Scan# 346
Delta R.T. -0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

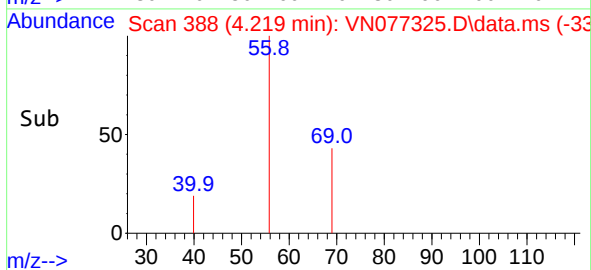
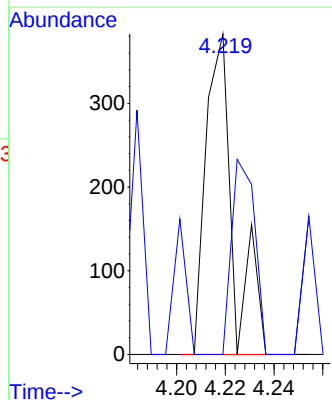
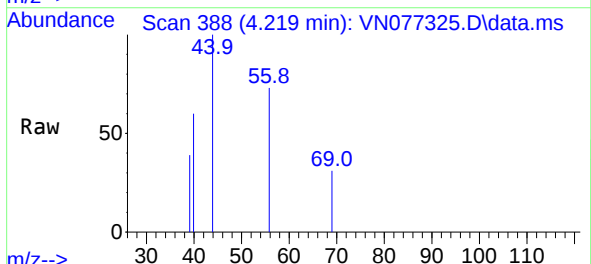
Instrument :
MSVOA_N
ClientSampleId :
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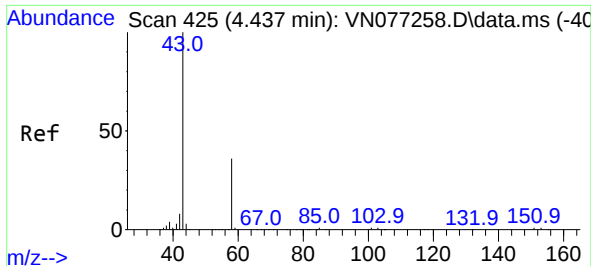
Tgt Ion: 74 Resp: 2205
Ion Ratio Lower Upper
74 100
45 83.9 37.8 113.4



#13
Acrolein
Concen: 0.203 ug/l
RT: 4.219 min Scan# 388
Delta R.T. 0.035 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 56 Resp: 298
Ion Ratio Lower Upper
56 100
55 51.7 54.2 81.2#

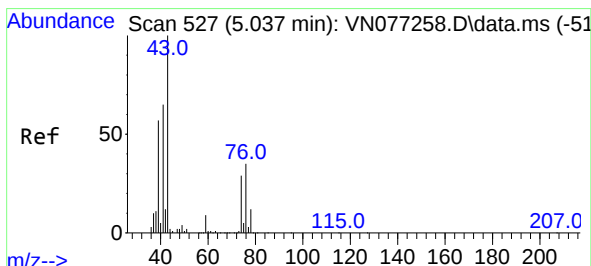
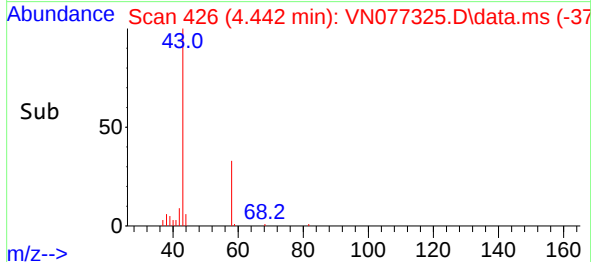
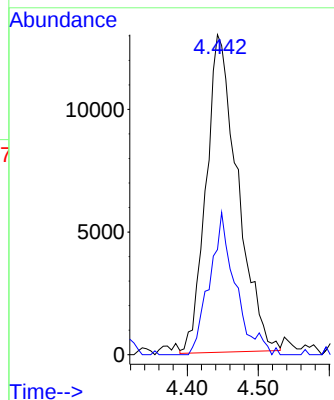
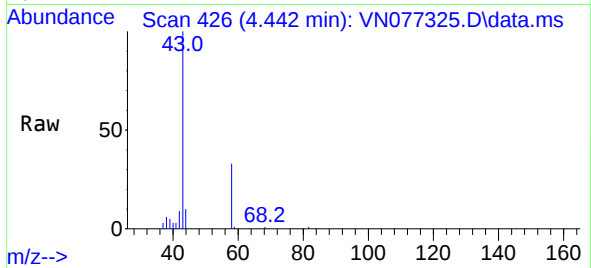




#16
Acetone
Concen: 14.264 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

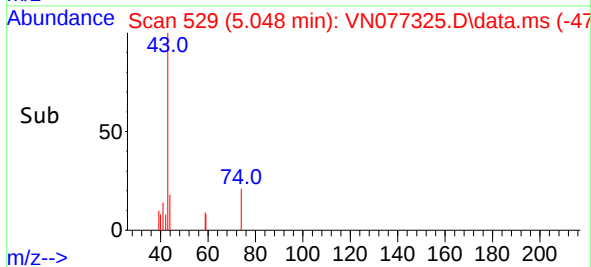
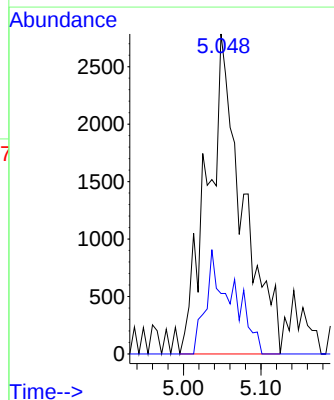
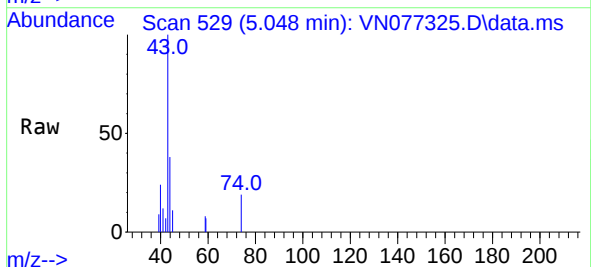
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

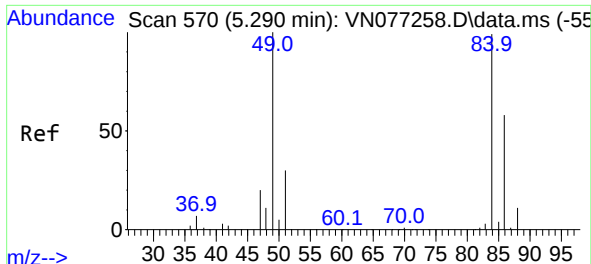
Tgt Ion: 43 Resp: 39963
Ion Ratio Lower Upper
43 100
58 33.3 29.0 43.6



#18
Methyl Acetate
Concen: 0.822 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

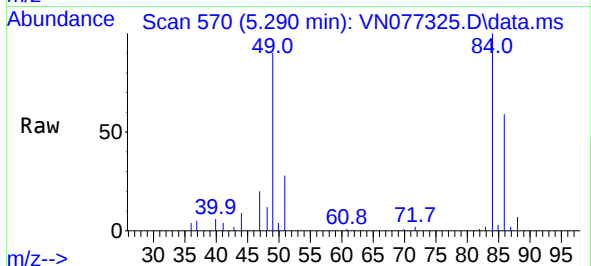
Tgt Ion: 43 Resp: 8768
Ion Ratio Lower Upper
43 100
74 16.1 23.4 35.2#





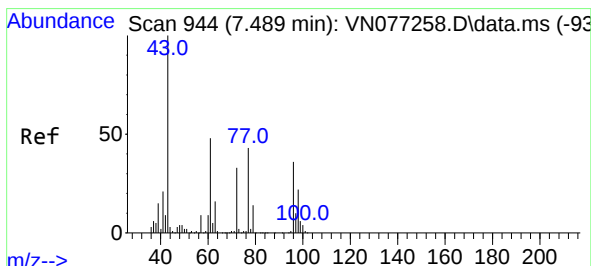
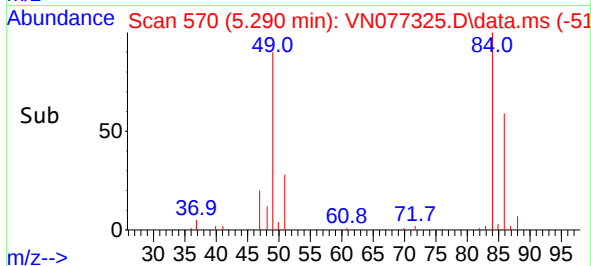
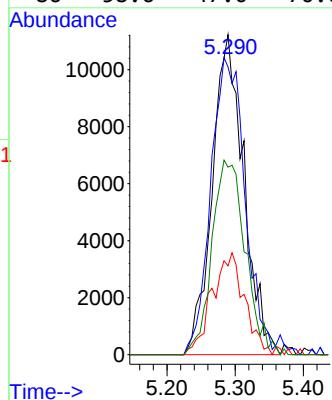
#20
Methylene Chloride
Concen: 4.571 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123



Tgt Ion: 84 Resp: 36167

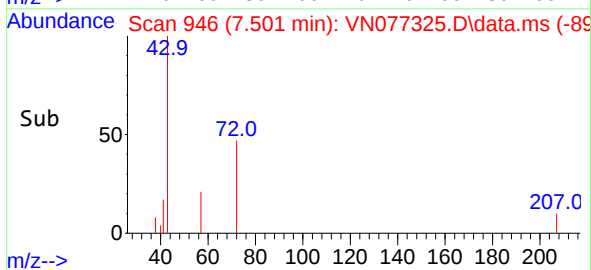
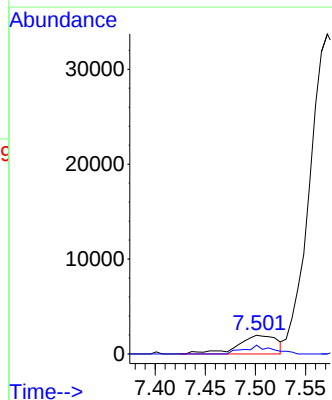
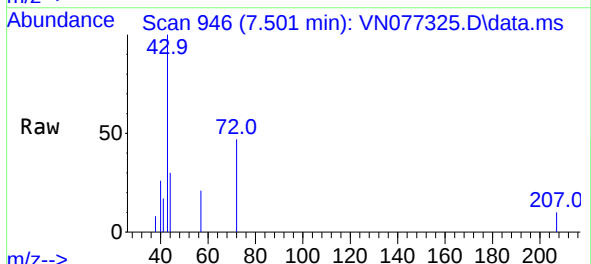
Ion	Ratio	Lower	Upper
84	100		
49	89.9	80.6	121.0
51	27.7	24.4	36.6
86	58.6	47.0	70.6

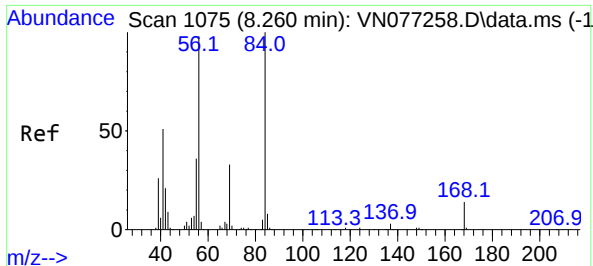


#25
2-Butanone
Concen: 1.177 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 43 Resp: 5354

Ion	Ratio	Lower	Upper
43	100		
72	46.7	26.6	39.8

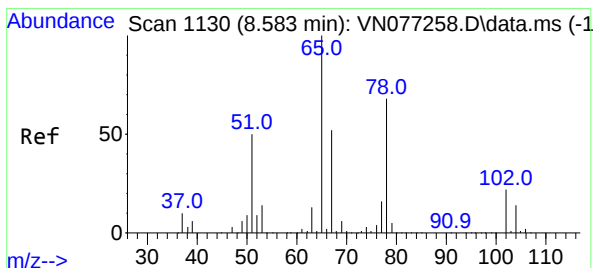
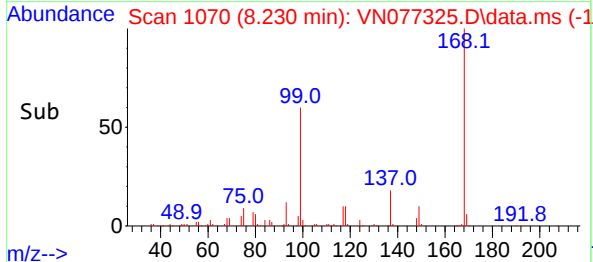
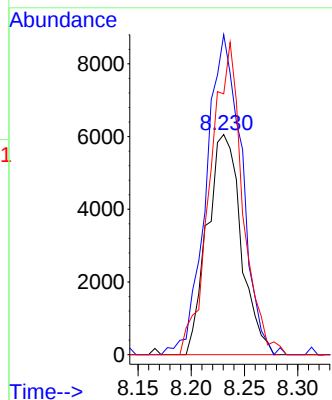
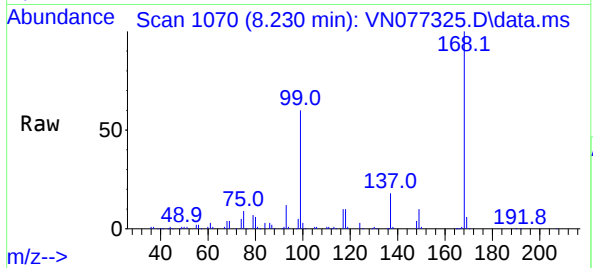




#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

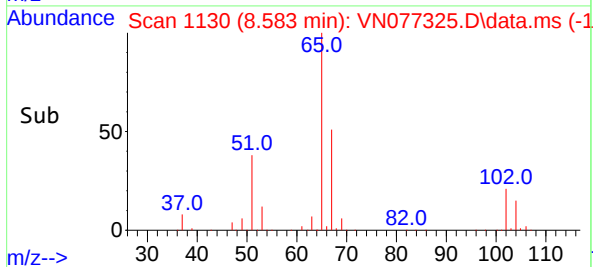
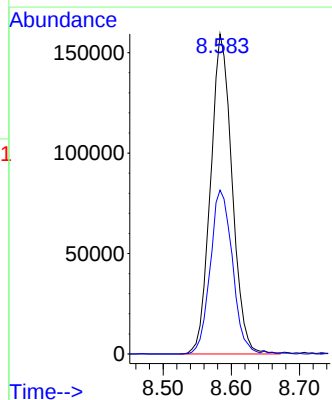
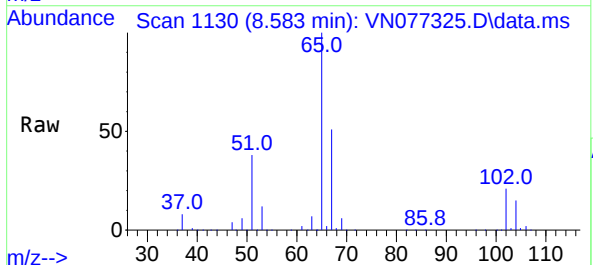
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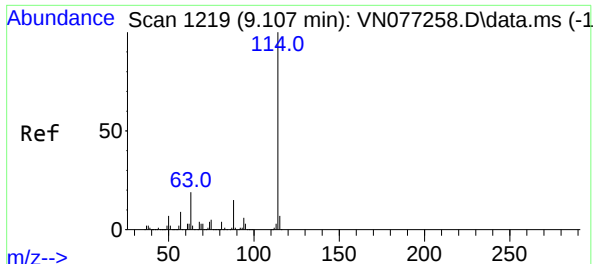
Tgt Ion: 56 Resp: 13403
Ion Ratio Lower Upper
56 100
69 142.1 26.6 40.0#
84 118.4 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 46.056 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 65 Resp: 349979
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.8

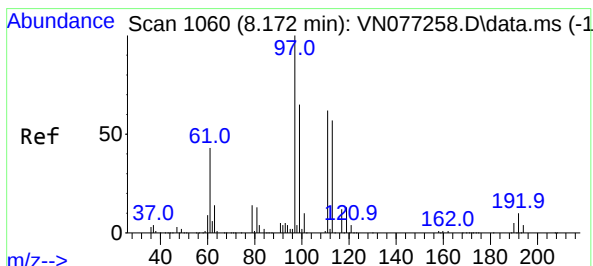
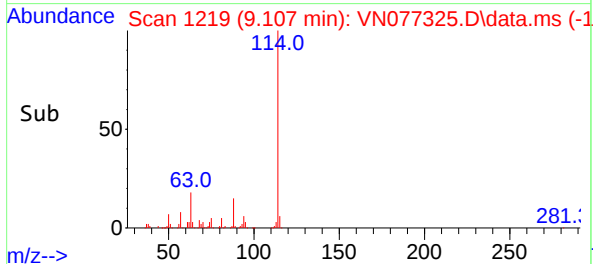
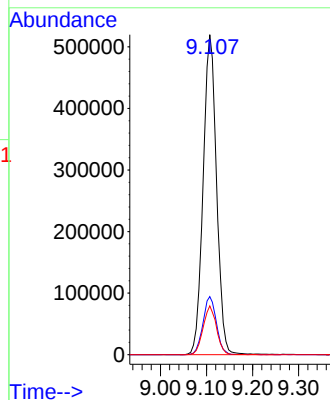
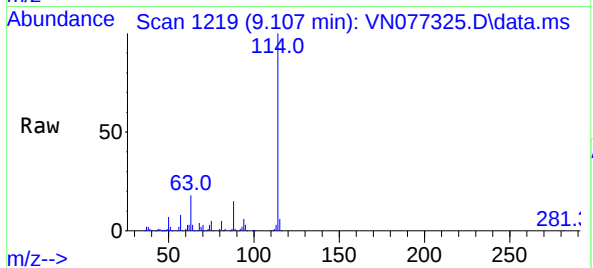




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

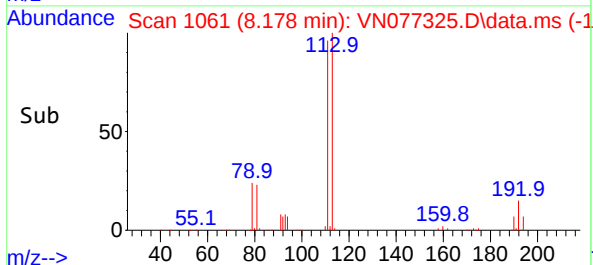
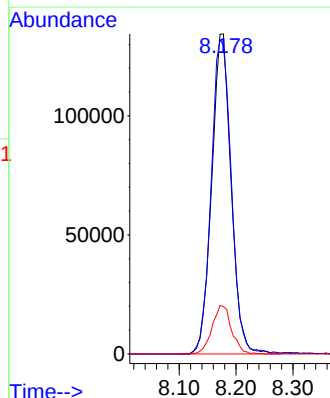
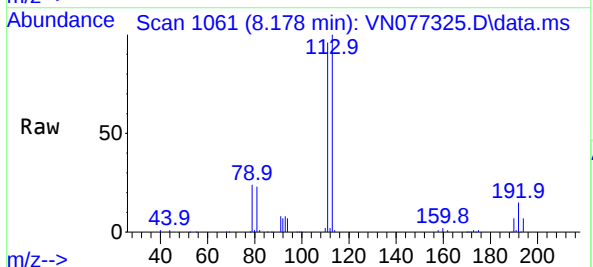
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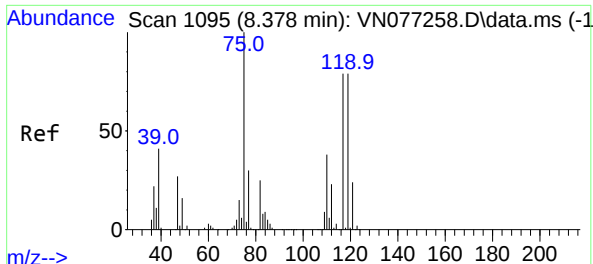
Tgt Ion:114 Resp: 1057745
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.8
88 15.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.989 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion:113 Resp: 318177
Ion Ratio Lower Upper
113 100
111 102.4 83.4 125.0
192 15.2 13.5 20.3

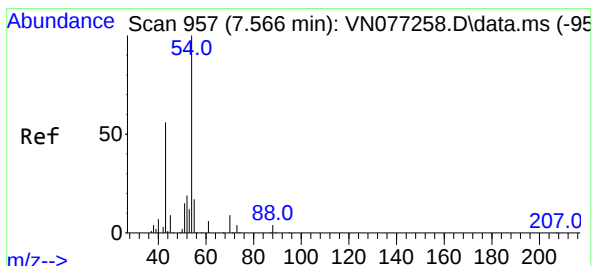
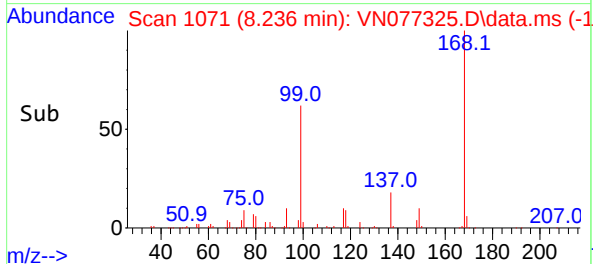
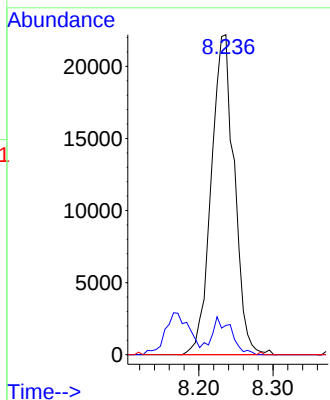
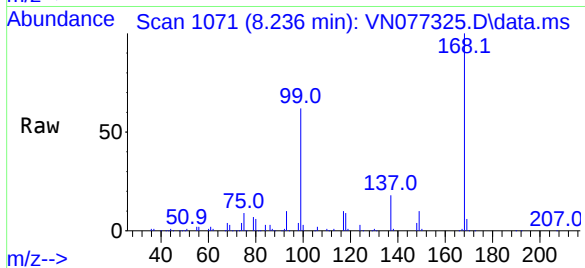




#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 8.236 min Scan# 1095
Delta R.T. -0.142 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

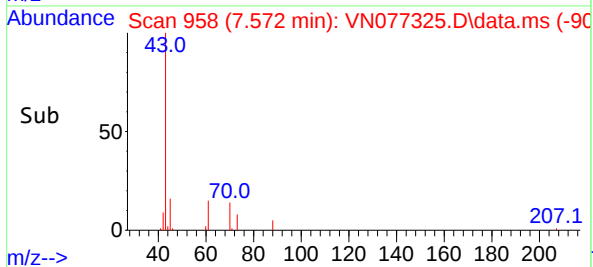
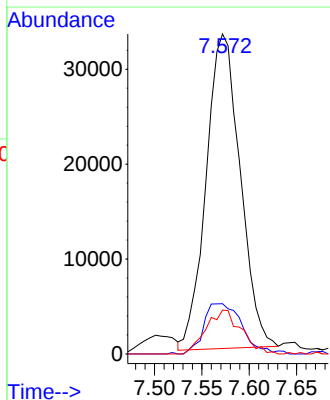
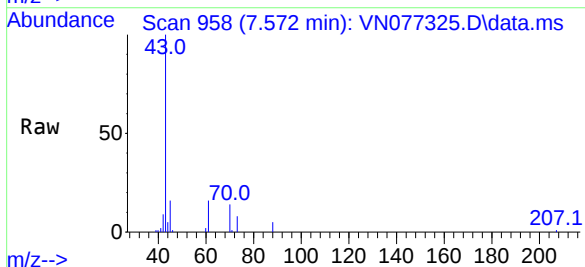
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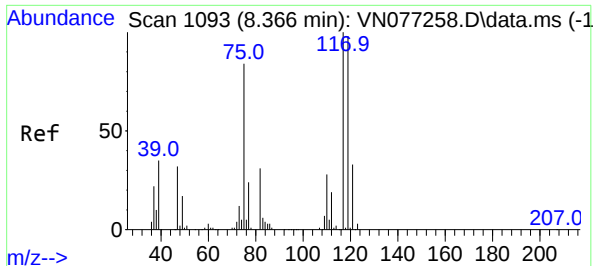
Tgt Ion: 75 Resp: 47899
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 9.260 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 43 Resp: 82972
Ion Ratio Lower Upper
43 100
61 18.0 12.2 18.2
70 14.4 10.0 15.0

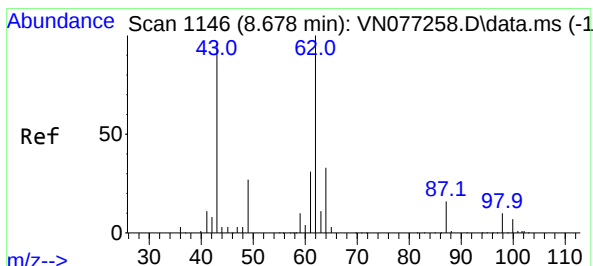
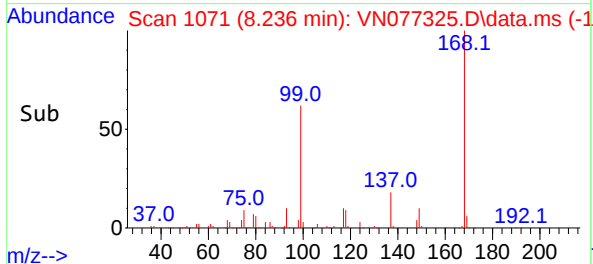
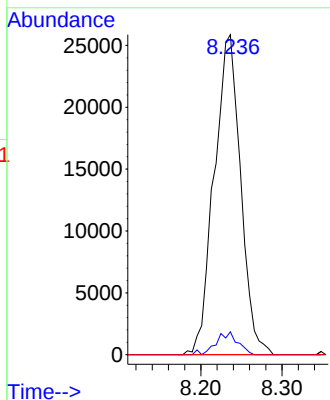
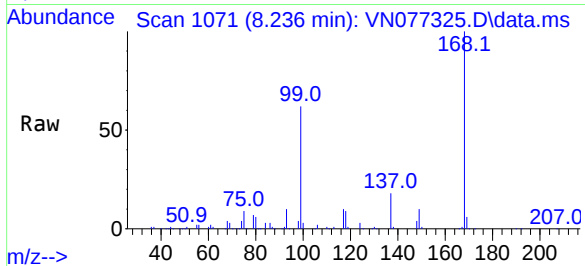




#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 8.236 min Scan# 110
Delta R.T. -0.130 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

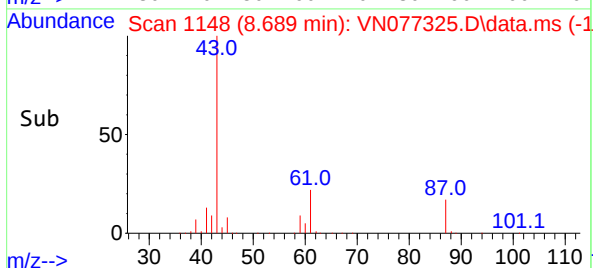
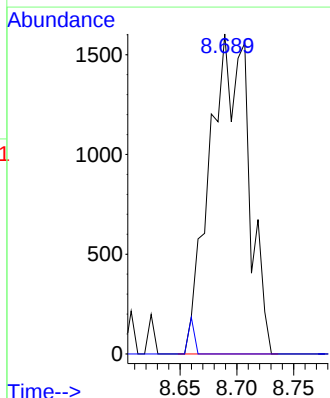
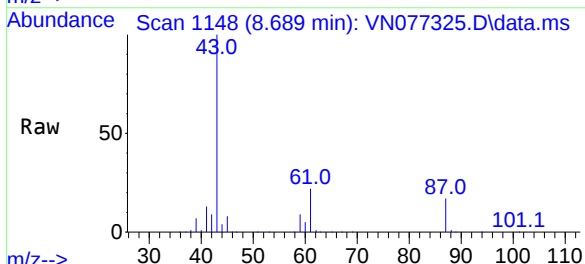
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

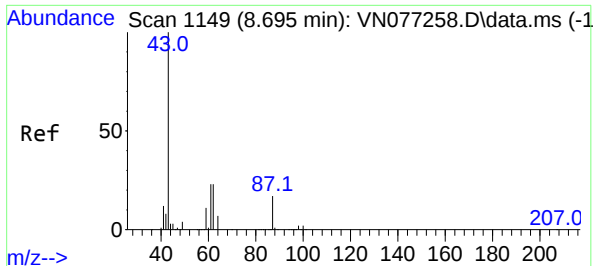
Tgt Ion:117 Resp: 58556
Ion Ratio Lower Upper
117 100
119 7.2 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.398 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 62 Resp: 3824
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

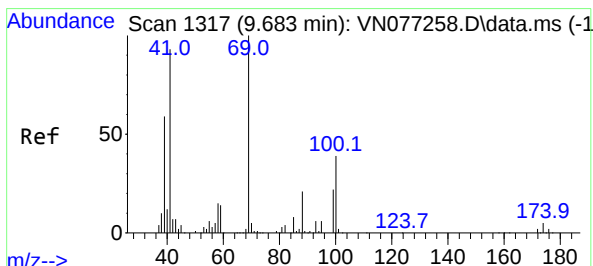
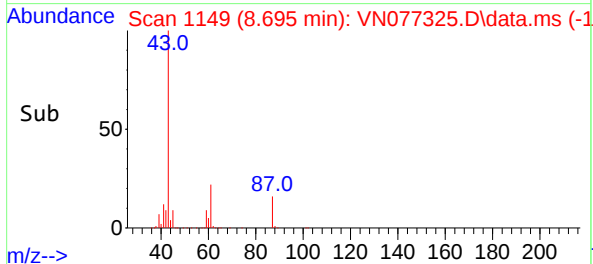
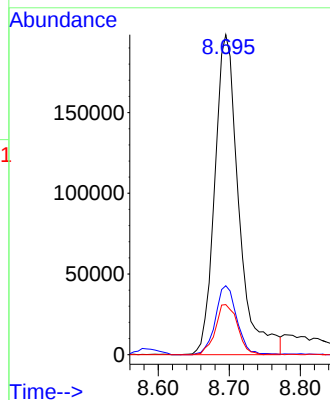
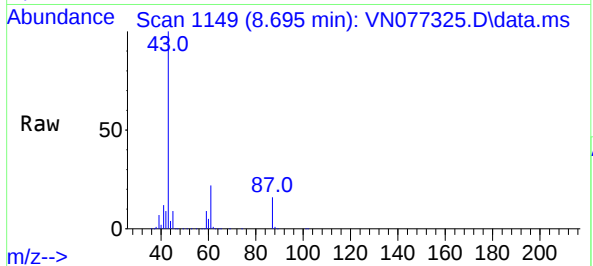




#43
Isopropyl Acetate
Concen: 28.100 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

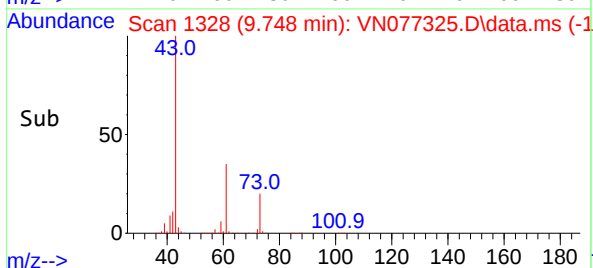
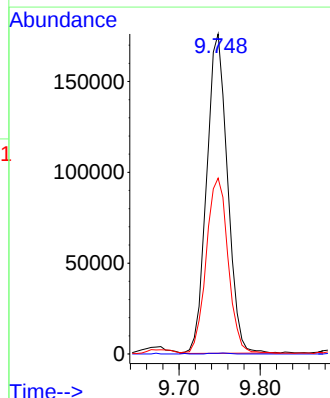
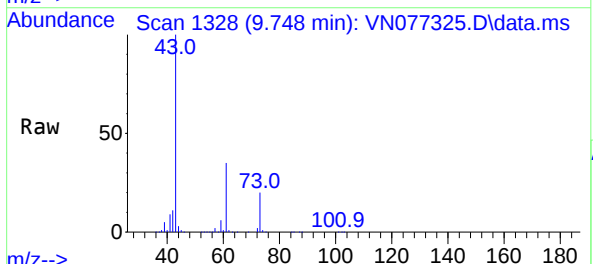
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

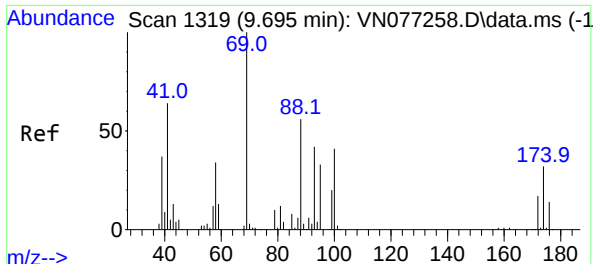
Tgt Ion: 43 Resp: 464616
Ion Ratio Lower Upper
43 100
61 19.2 22.7 34.1#
87 14.5 13.6 20.4



#48
Methyl methacrylate
Concen: 44.453 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 41 Resp: 313536
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 57.8 53.5 80.3

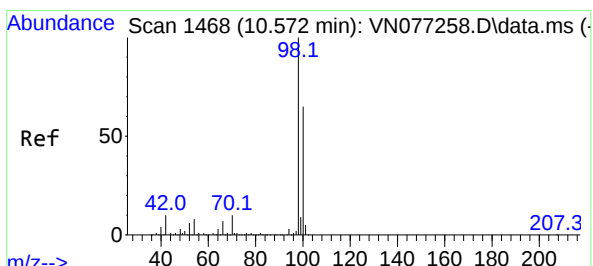
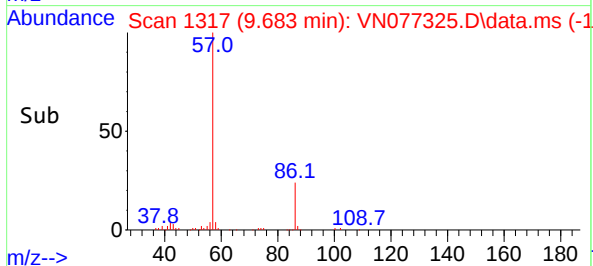
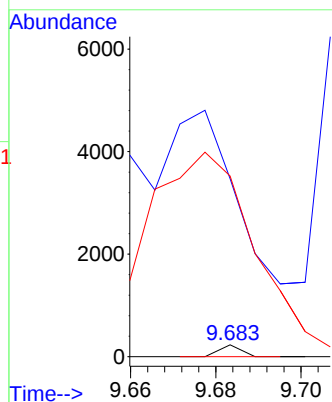
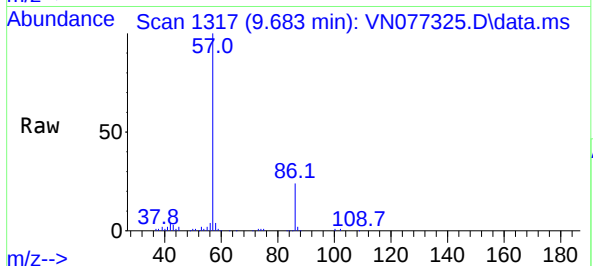




#49
1,4-Dioxane
Concen: 0.480 ug/l
RT: 9.683 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

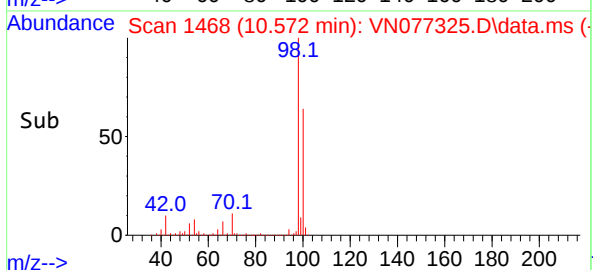
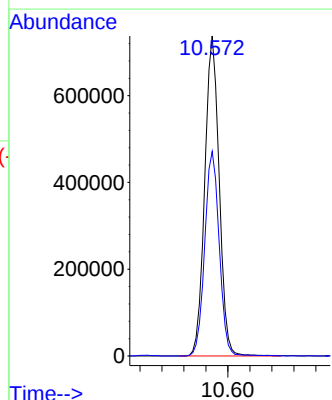
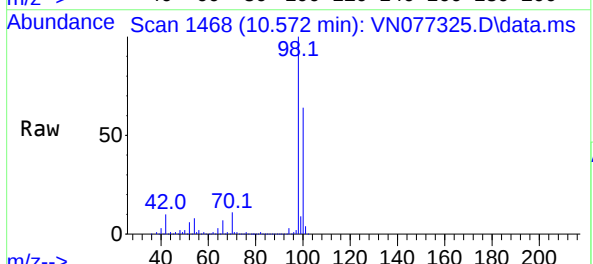
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

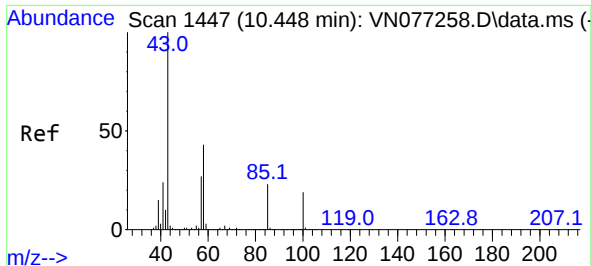
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 9675.6 49.8 74.6#



#50
Toluene-d8
Concen: 49.273 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 98 Resp: 1343150
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9

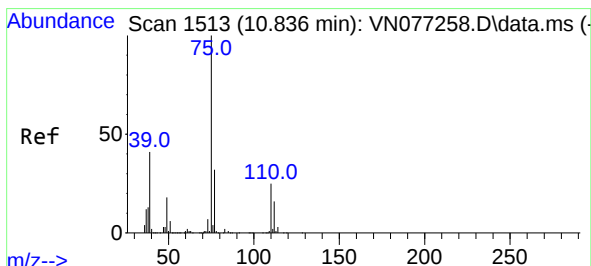
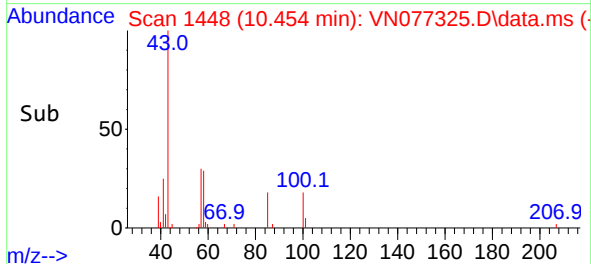
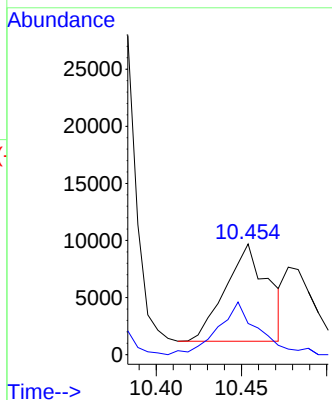
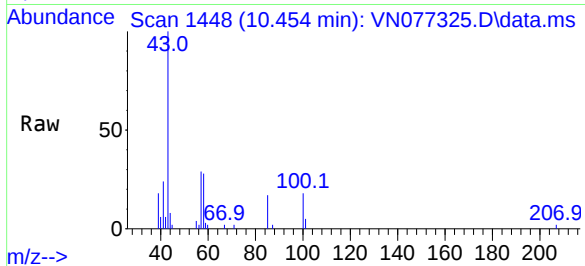




#51
4-Methyl-2-Pentanone
Concen: 1.547 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

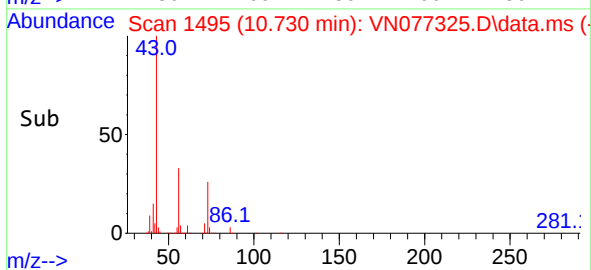
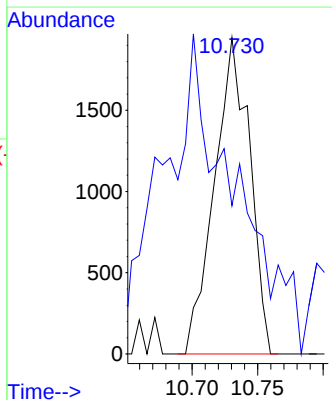
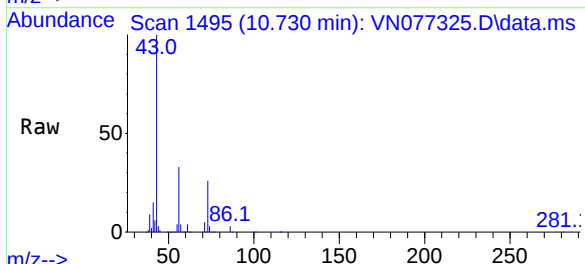
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

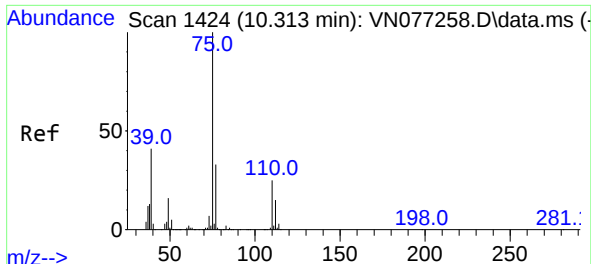
Tgt Ion: 43 Resp: 14786
Ion Ratio Lower Upper
43 100
58 52.0 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 75 Resp: 3631
Ion Ratio Lower Upper
75 100
77 18.7 25.4 38.0#

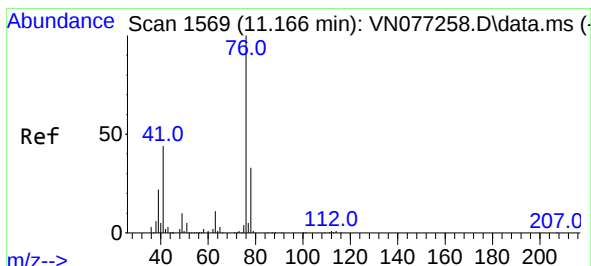
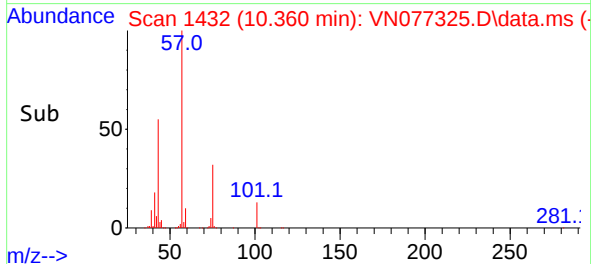
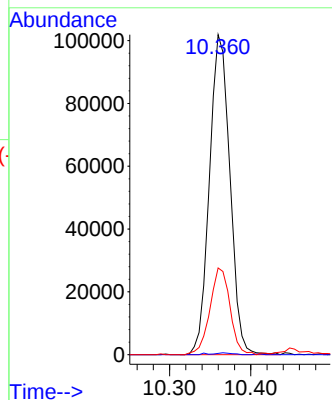
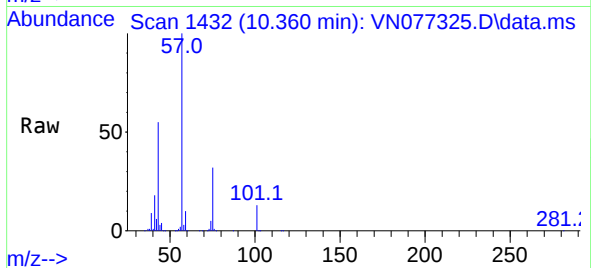




#54
cis-1,3-Dichloropropene
Concen: 13.819 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

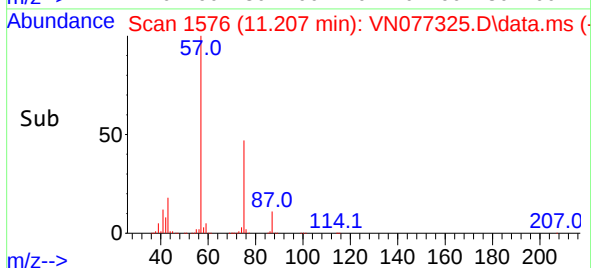
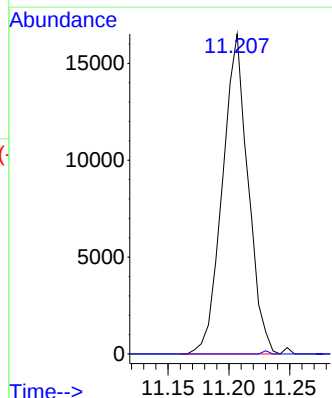
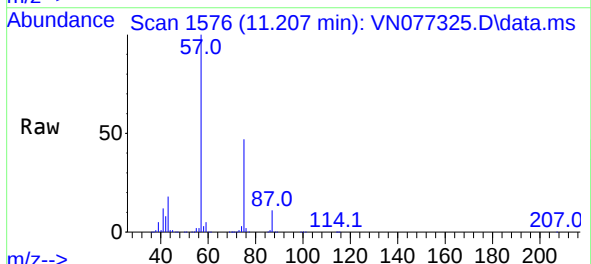
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

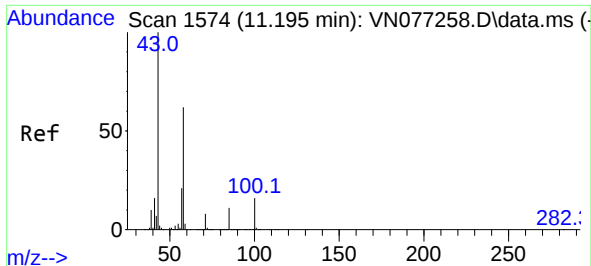
Tgt Ion: 75 Resp: 178572
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 27.1 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.825 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 76 Resp: 24203
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

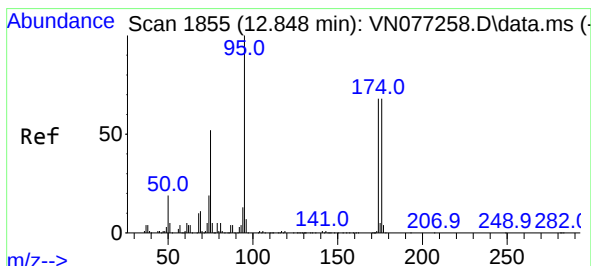
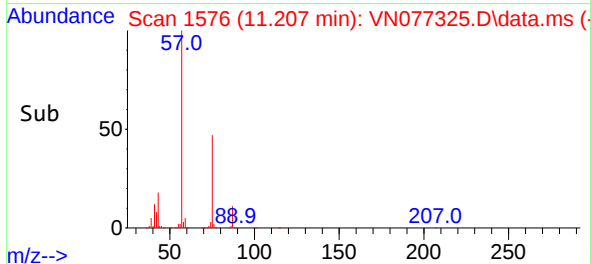
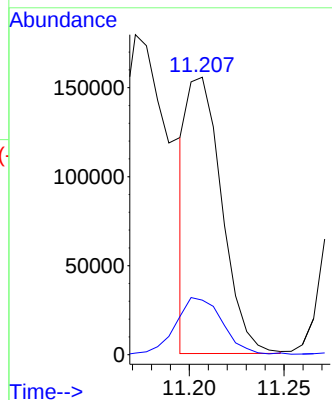
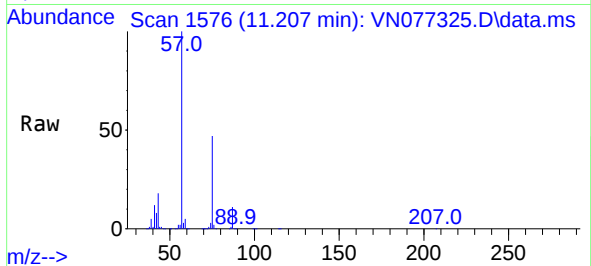




#59
2-Hexanone
Concen: 27.721 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

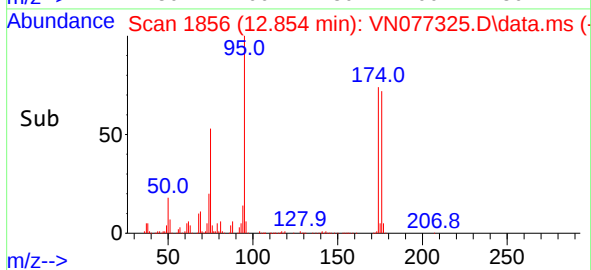
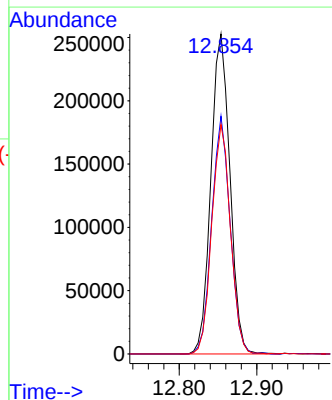
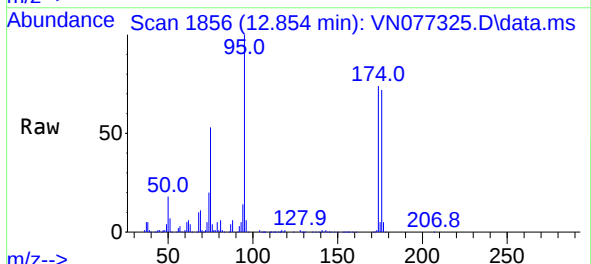
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

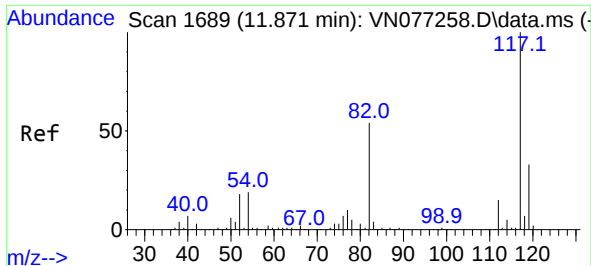
Tgt Ion: 43 Resp: 197372
Ion Ratio Lower Upper
43 100
58 28.3 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 47.538 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 95 Resp: 430979
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.8
176 70.5 0.0 139.6

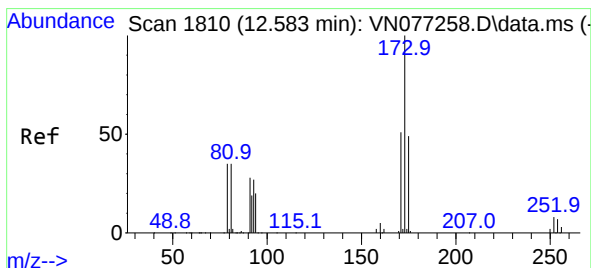
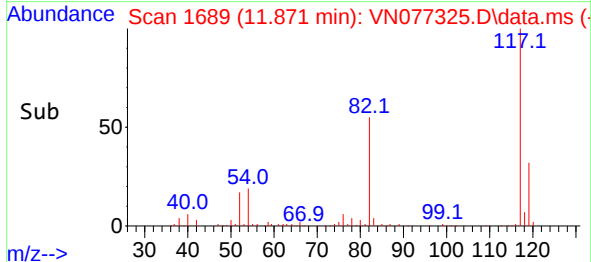
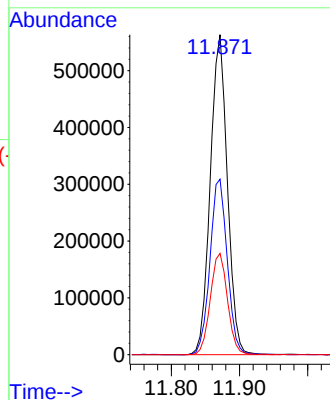
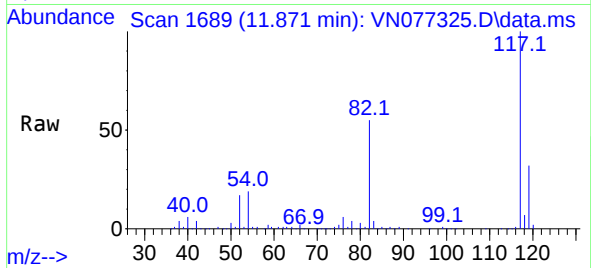




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

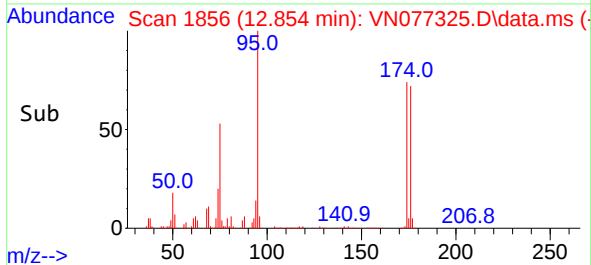
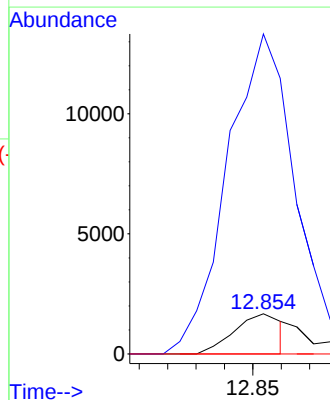
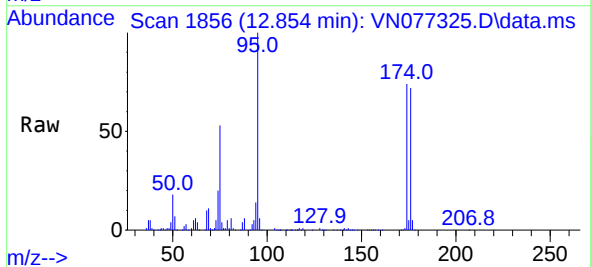
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

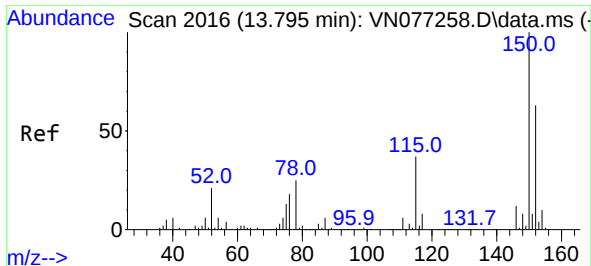
Tgt Ion:117 Resp: 982282
Ion Ratio Lower Upper
117 100
82 54.9 42.9 64.3
119 31.6 26.2 39.4



#71
Bromoform
Concen: 0.340 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion:173 Resp: 1958
Ion Ratio Lower Upper
173 100
175 918.4 24.1 72.4#
254 0.0 0.1 0.1#

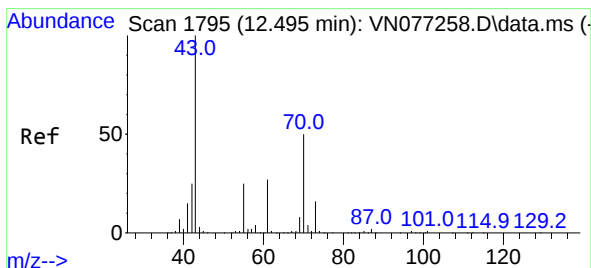
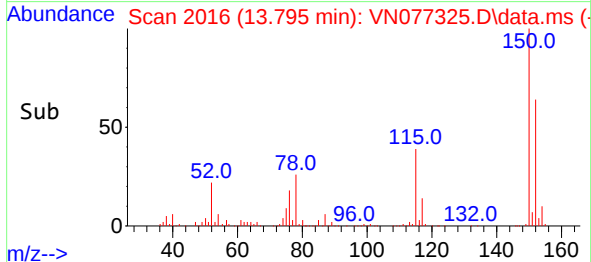
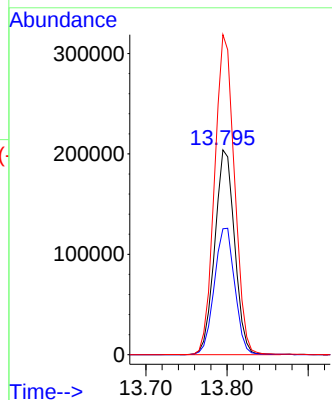
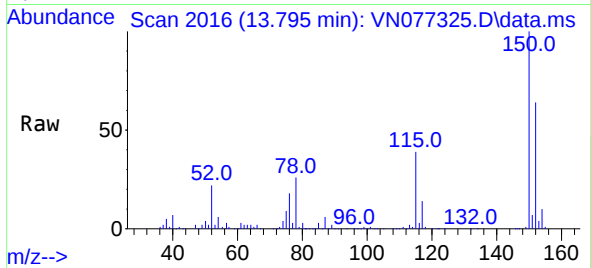




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

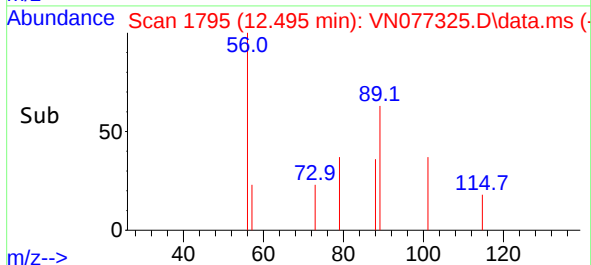
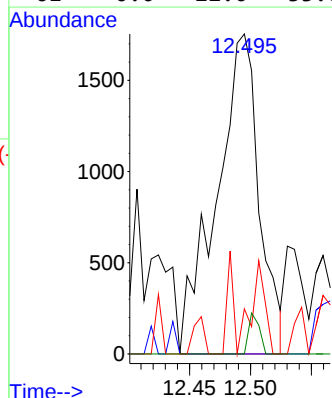
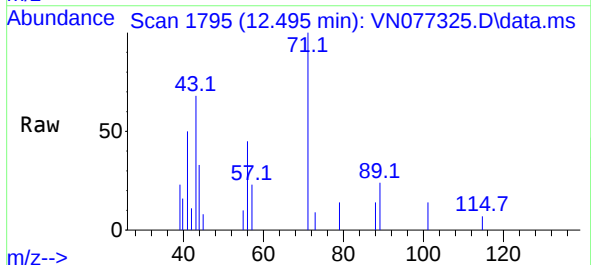
Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

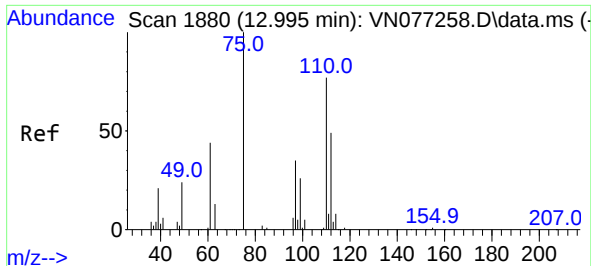
Tgt Ion:152 Resp: 346527
Ion Ratio Lower Upper
152 100
115 63.9 32.1 96.3
150 157.2 0.0 354.8



#74
N-ethyl acetate
Concen: 0.335 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 43 Resp: 4271
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 6.4 19.3 28.9#
61 0.0 22.0 33.0#

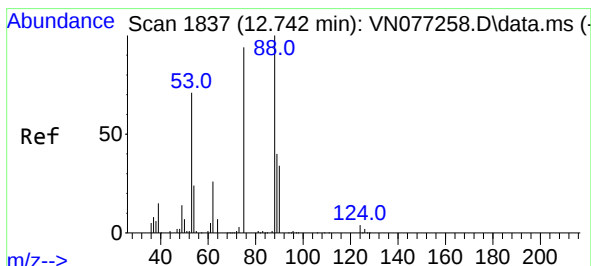
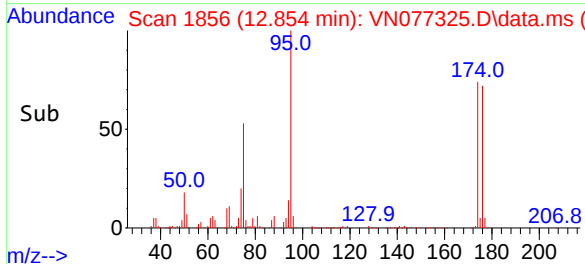
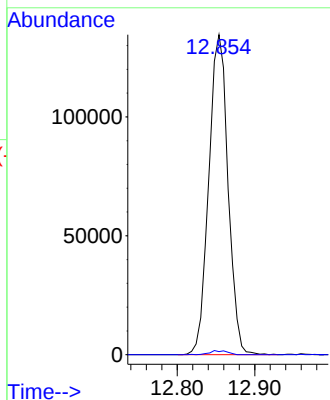
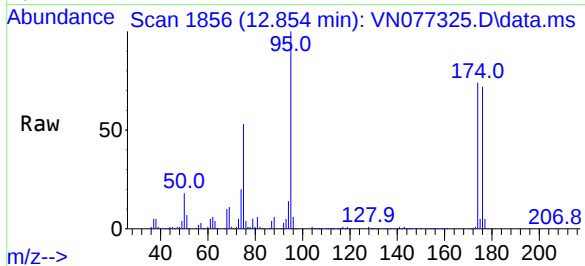




#76
1,2,3-Trichloropropane
Concen: 28.188 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Instrument :
MSVOA_N
ClientSampleId :
IDW-SO-G1-041123

Tgt Ion: 75 Resp: 232602
Ion Ratio Lower Upper
75 100
77 1.2 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.433 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077325.D
Acq: 13 Apr 2023 13:47

Tgt Ion: 75 Resp: 232602
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

