

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077895.D
 Acq On : 25 May 2023 12:18
 Operator : JC\MD
 Sample : VN0525WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0525WBL01

Quant Time: May 25 16:29:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

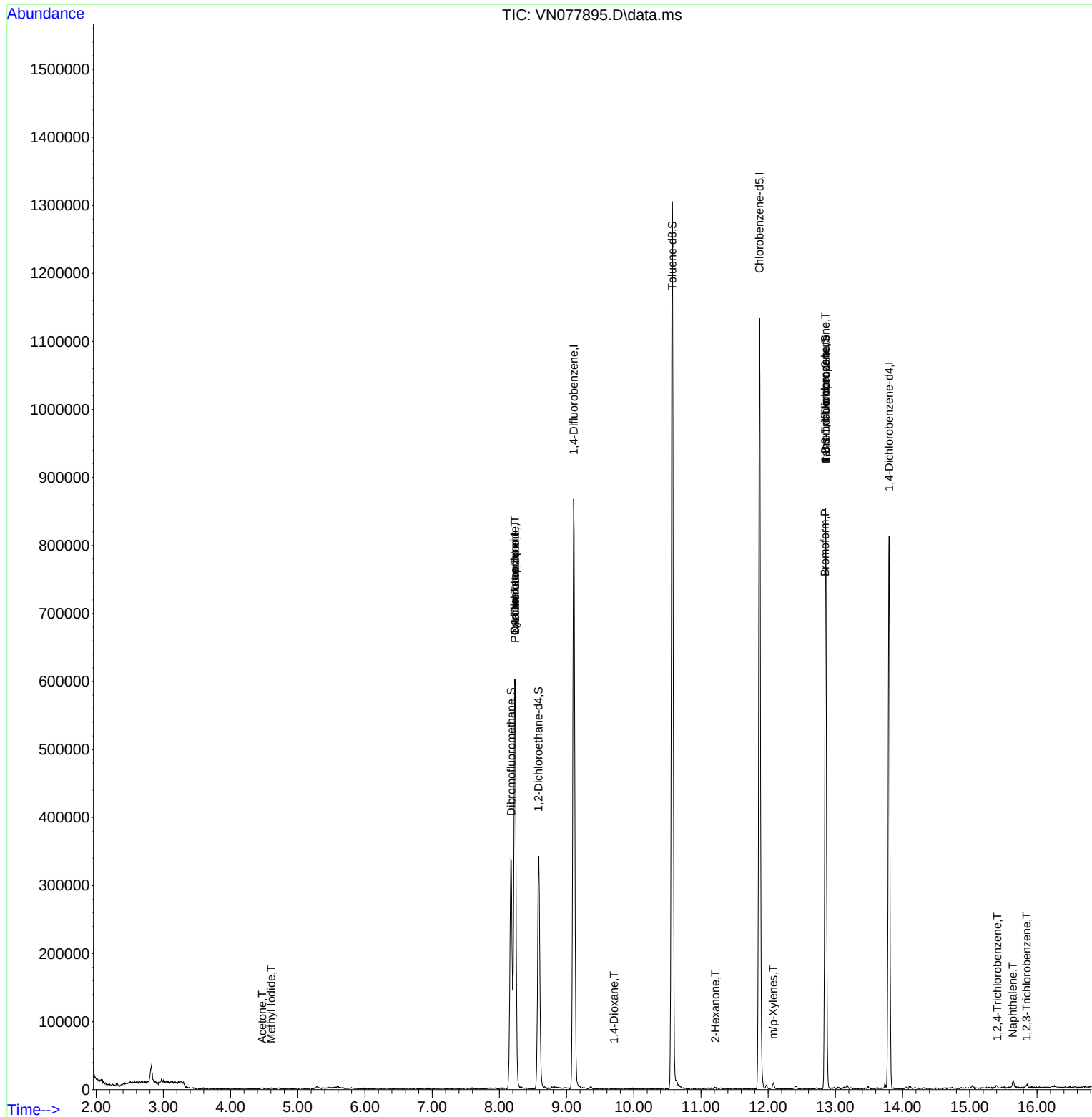
Internal Standards						
1) Pentafluorobenzene	8.235	168	430190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	784195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	682233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	223745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	287232	44.624	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.240%		
35) Dibromofluoromethane	8.177	113	248637	48.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.240%		
50) Toluene-d8	10.570	98	961706	48.860	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.853	95	311144	44.759	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	955	Below Cal	#	65
10) Methyl Iodide	4.606	142	1256	0.221	ug/l #	63
13) Acrolein	4.189	56	174	Below Cal		98
16) Acetone	4.471	43	1635	0.807	ug/l #	40
20) Methylene Chloride	5.288	84	550	Below Cal	#	62
31) Cyclohexane	8.229	56	9802	1.120	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	37835	5.058	ug/l #	42
38) Carbon Tetrachloride	8.229	117	46749	6.190	ug/l #	17
49) 1,4-Dioxane	9.706	88	76	0.779	ug/l #	30
59) 2-Hexanone	11.212	43	1484	0.310	ug/l	69
68) m/p-Xylenes	12.076	106	2597	0.259	ug/l	97
71) Bromoform	12.847	173	1264	0.371	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	163331	29.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	163331	93.174	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.411	180	1343	0.302	ug/l	87
95) Naphthalene	15.641	128	8897	0.582	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	1825	0.419	ug/l	83

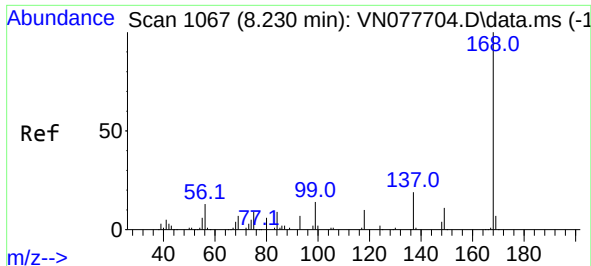
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 25 16:29:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

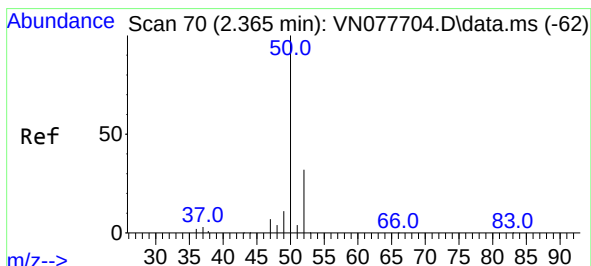
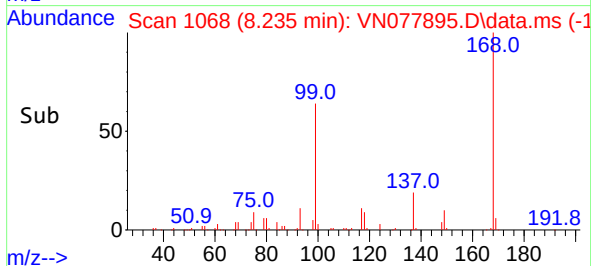
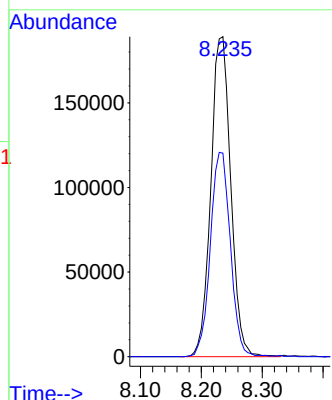
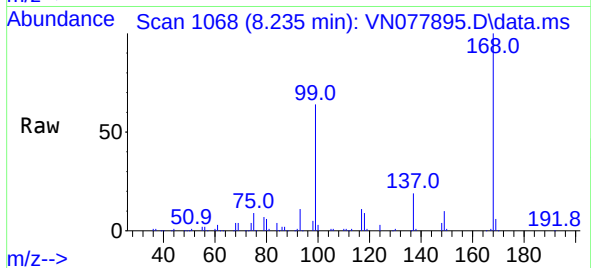




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

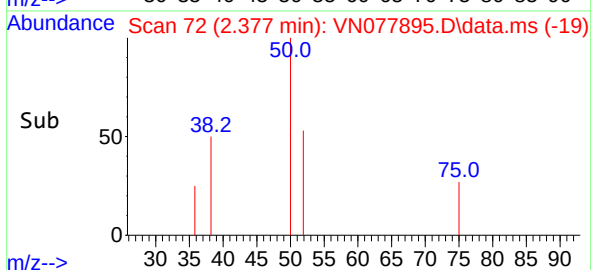
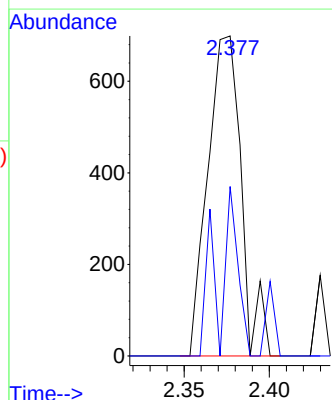
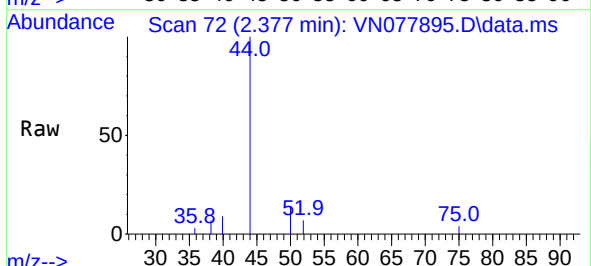
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

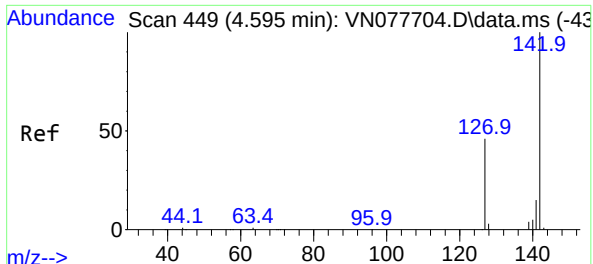
Tgt Ion:168 Resp: 430190
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion: 50 Resp: 955
Ion Ratio Lower Upper
50 100
52 52.9 26.5 39.7#

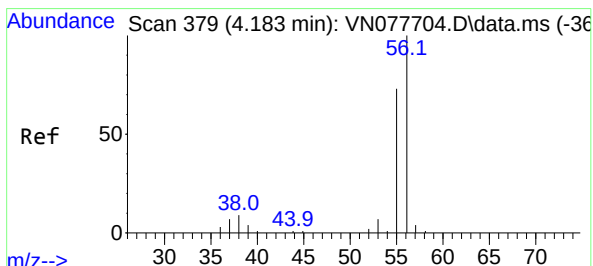
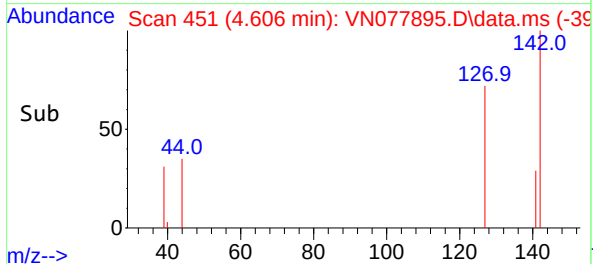
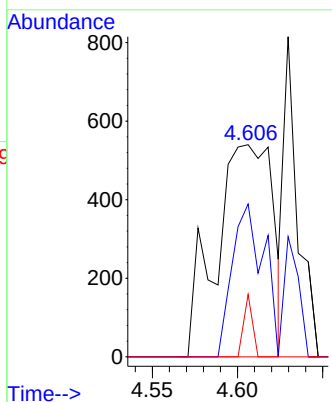
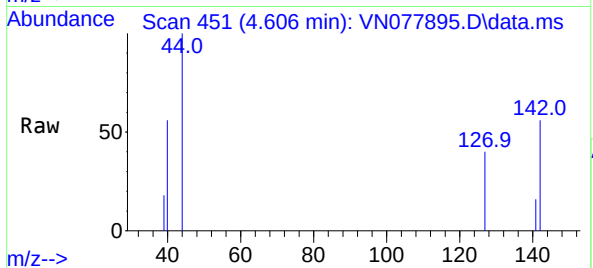




#10
Methyl Iodide
Concen: 0.221 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

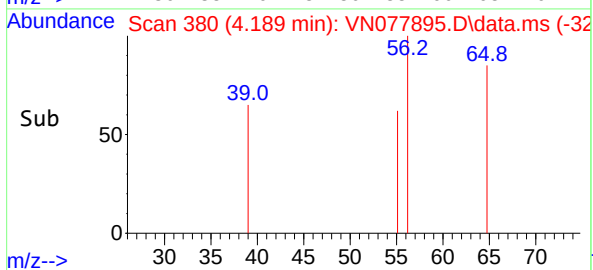
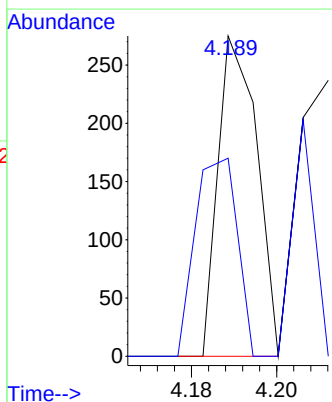
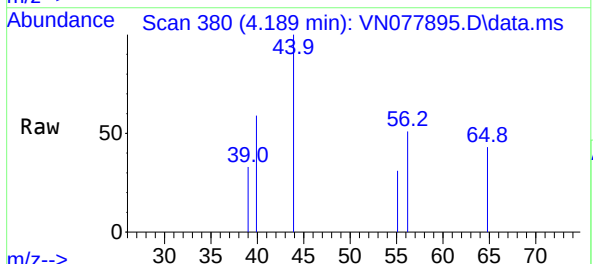
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

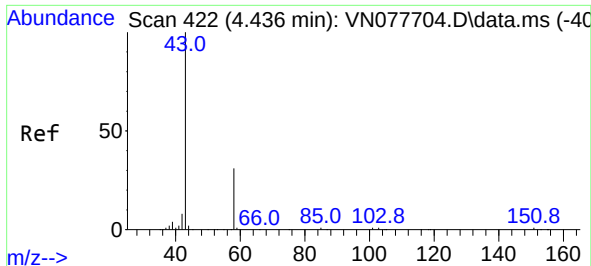
Tgt Ion:142 Resp: 1256
Ion Ratio Lower Upper
142 100
127 72.0 37.6 56.4#
141 29.4 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
55 66.7 54.5 81.7

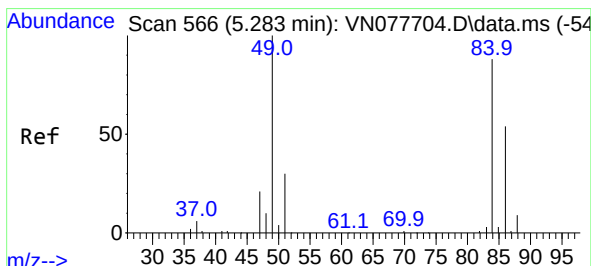
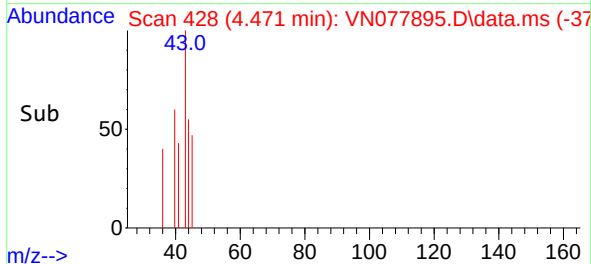
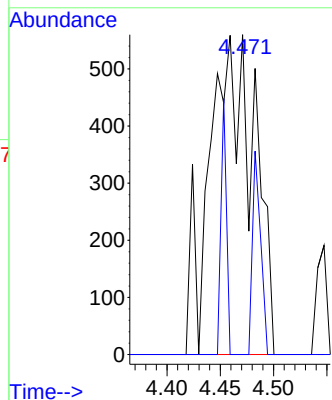
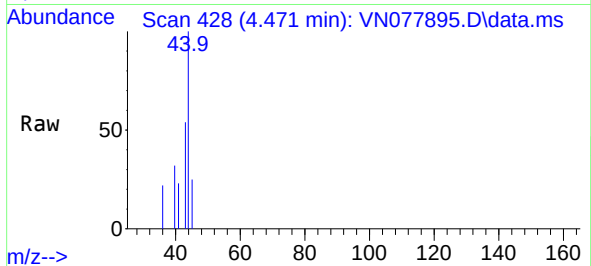




#16
Acetone
Concen: 0.807 ug/l
RT: 4.471 min Scan# 41
Delta R.T. 0.041 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

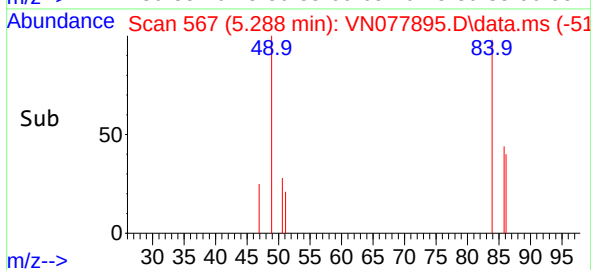
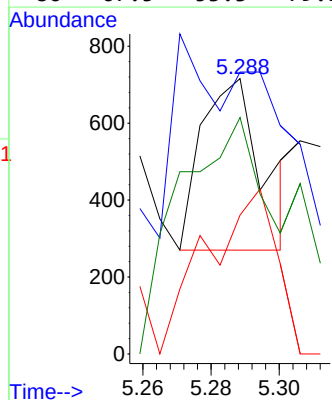
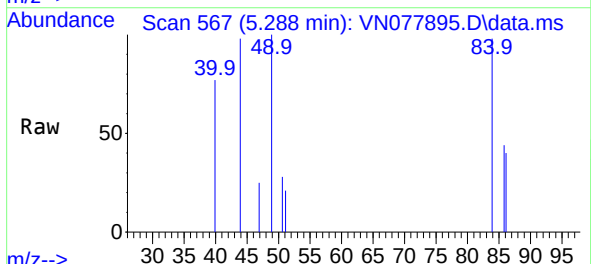
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

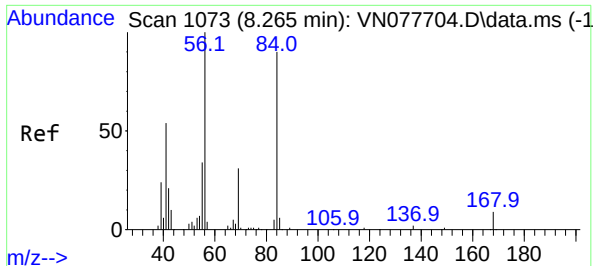
Tgt Ion: 43 Resp: 1635
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 567
Delta R.T. 0.005 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

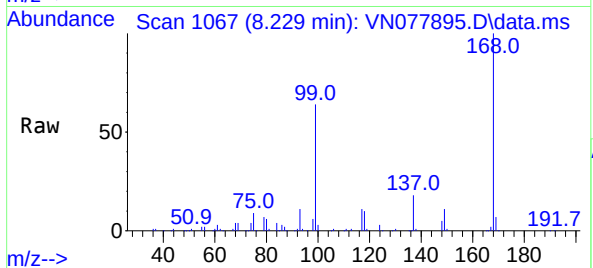
Tgt Ion: 84 Resp: 550
Ion Ratio Lower Upper
84 100
49 31.2 79.7 119.5#
51 43.0 25.2 37.8#
86 67.5 53.3 79.9



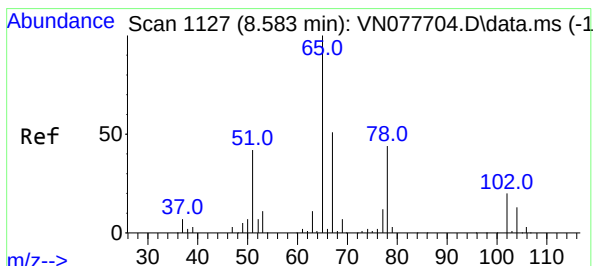
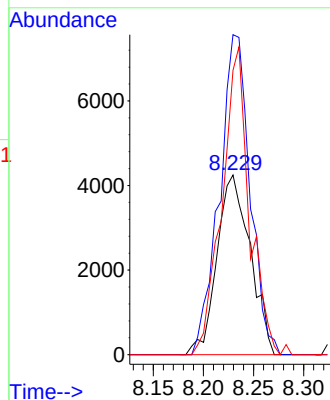
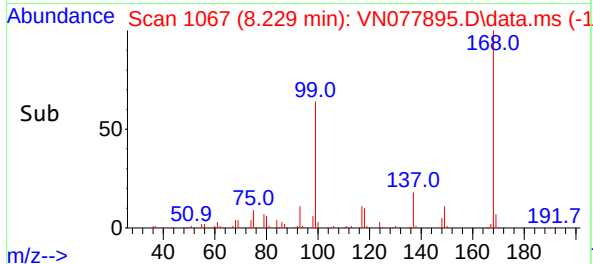


#31
Cyclohexane
Concen: 1.120 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

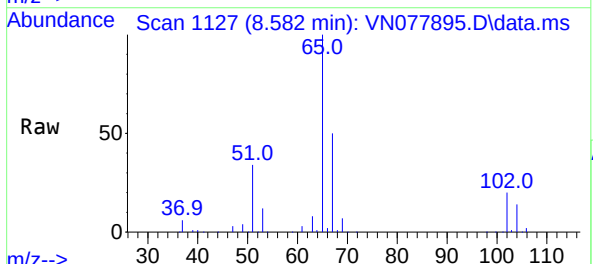
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01



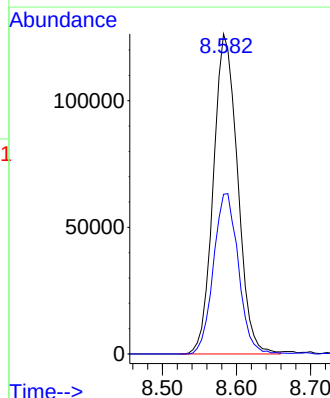
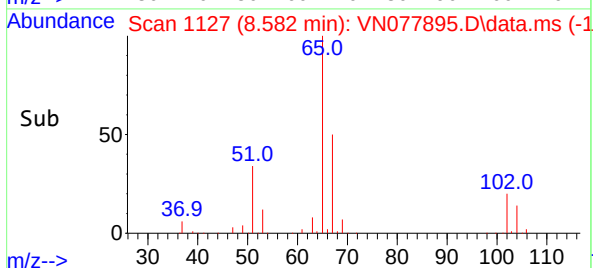
Tgt Ion: 56 Resp: 9802
Ion Ratio Lower Upper
56 100
69 178.1 26.8 40.2#
84 158.3 81.8 122.6#

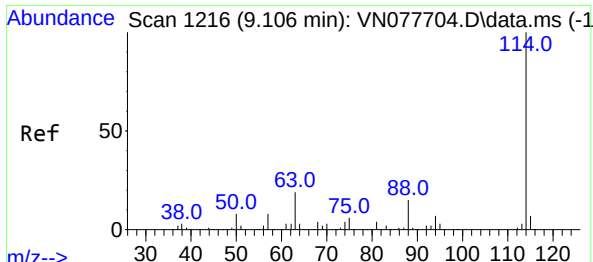


#33
1,2-Dichloroethane-d4
Concen: 44.624 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18



Tgt Ion: 65 Resp: 287232
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6

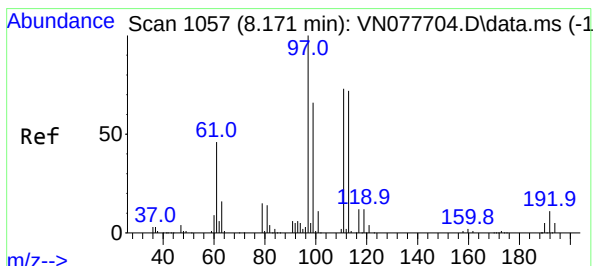
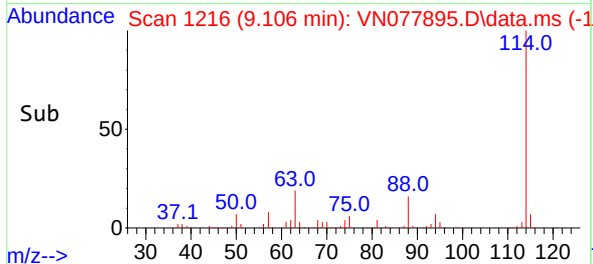
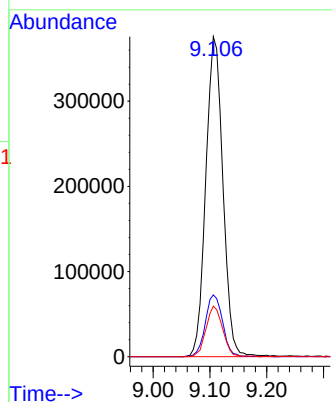
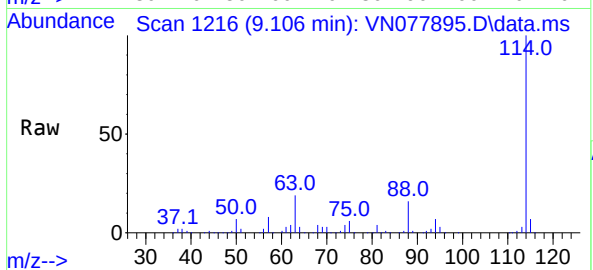




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

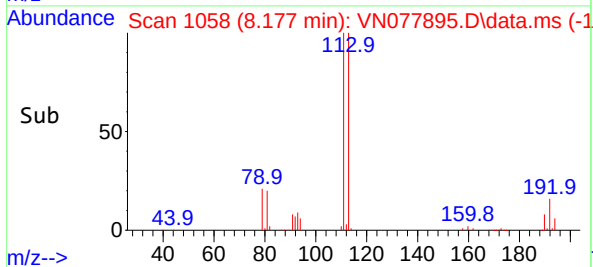
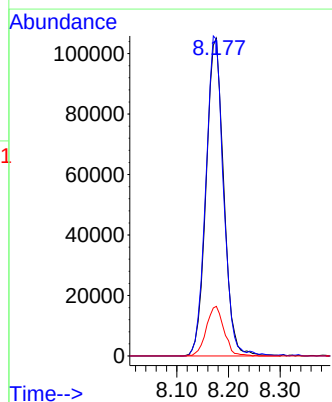
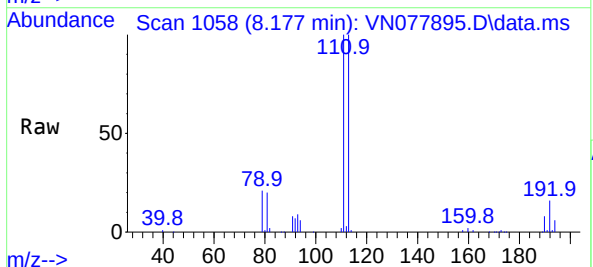
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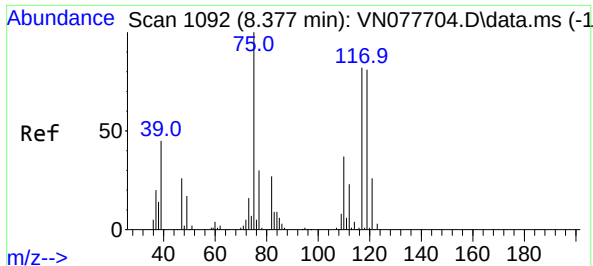
Tgt Ion:114 Resp: 784195
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.622 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion:113 Resp: 248637
Ion Ratio Lower Upper
113 100
111 99.8 82.6 123.8
192 15.8 12.7 19.1

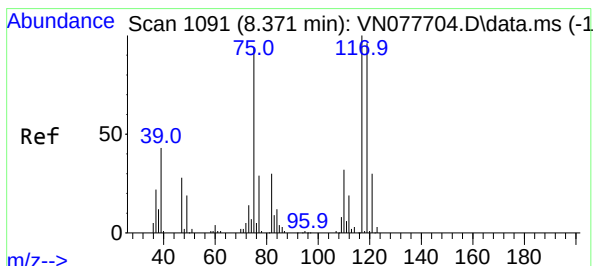
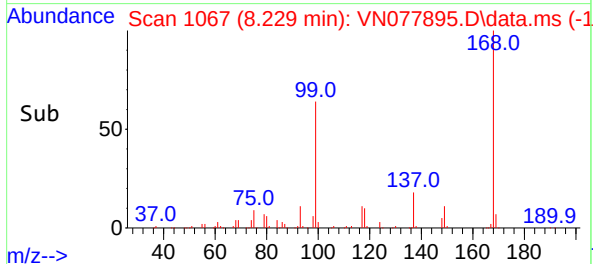
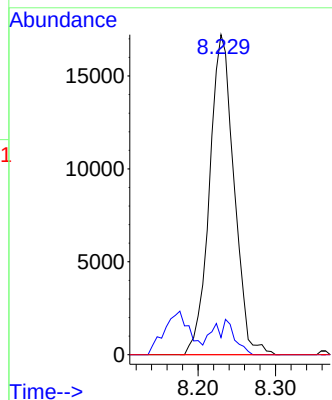
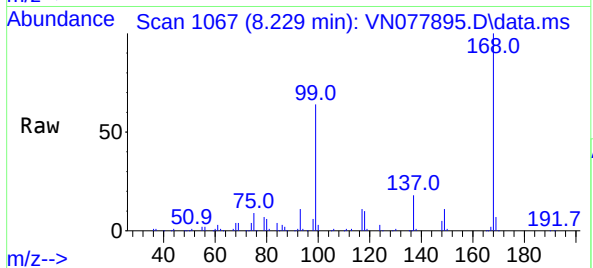




#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

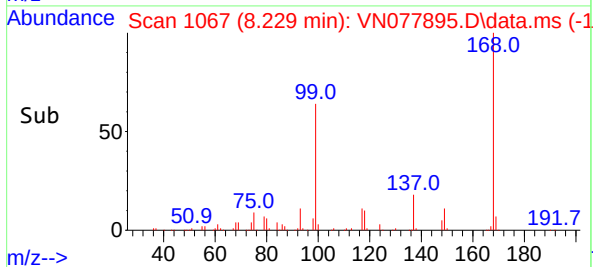
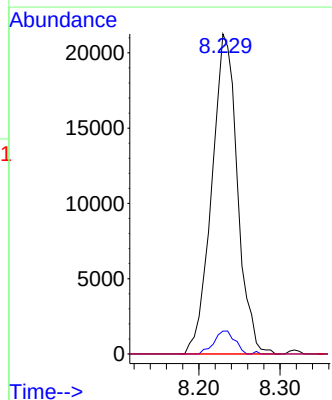
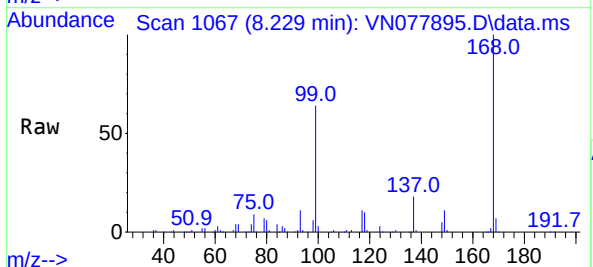
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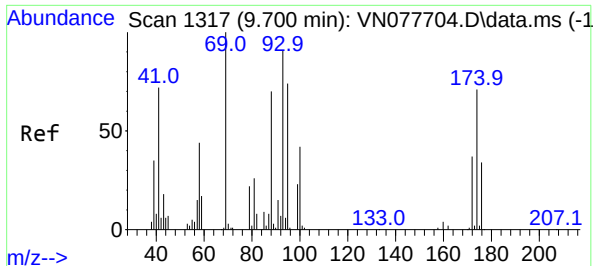
Tgt Ion: 75 Resp: 37835
Ion Ratio Lower Upper
75 100
110 2.6 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.190 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion: 117 Resp: 46749
Ion Ratio Lower Upper
117 100
119 7.2 77.3 115.9#
121 0.0 23.3 34.9#

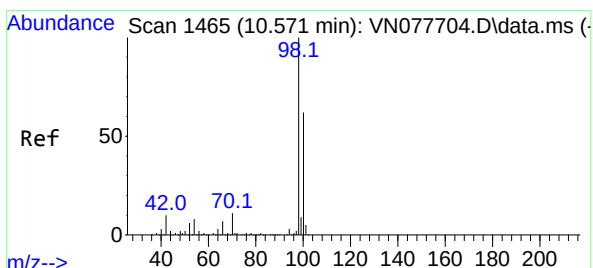
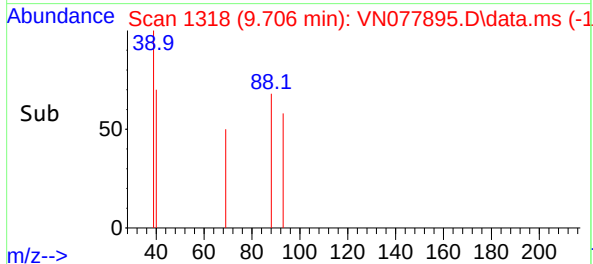
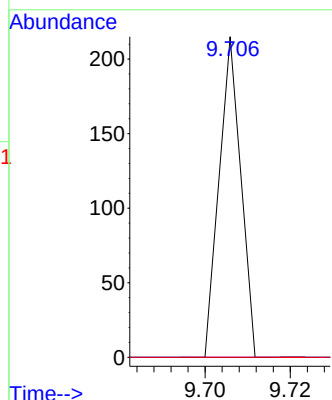
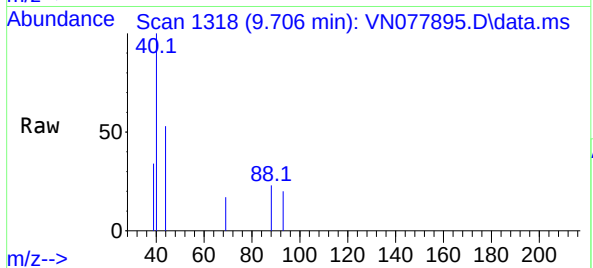




#49
1,4-Dioxane
Concen: 0.779 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

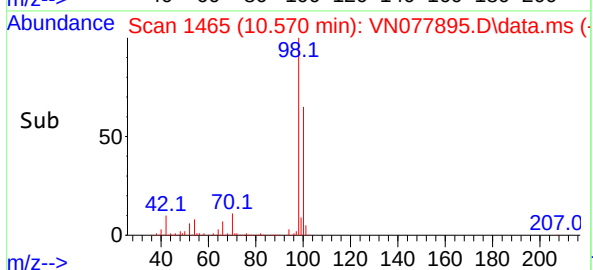
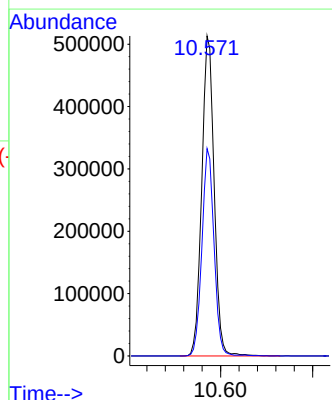
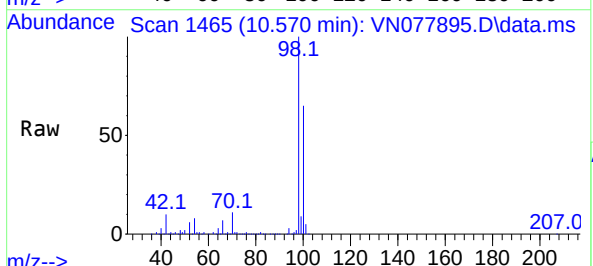
Instrument :
MSVOA_N
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VN0525WBL01

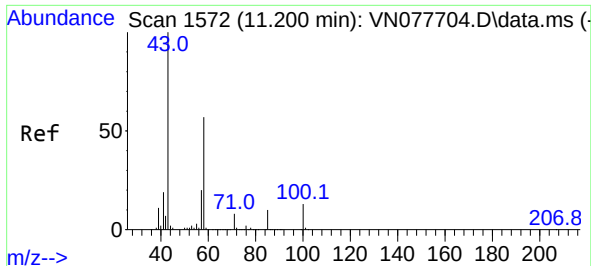
Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 48.860 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion: 98 Resp: 961706
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0

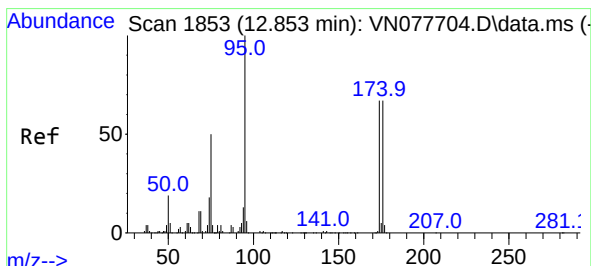
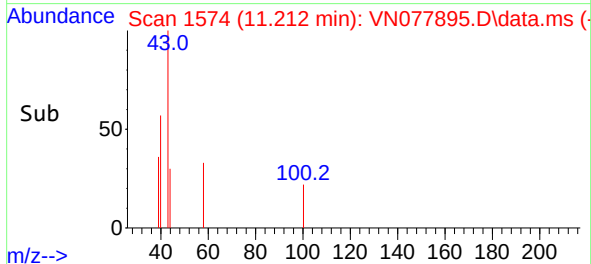
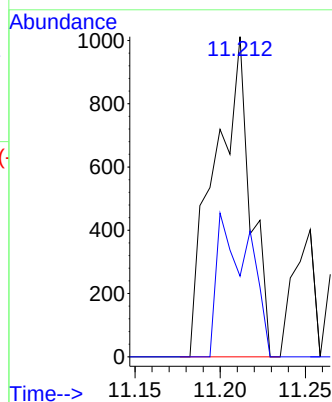
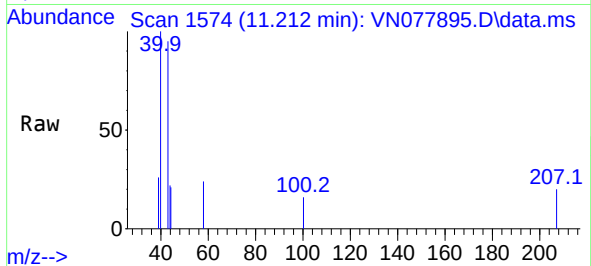




#59
2-Hexanone
Concen: 0.310 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

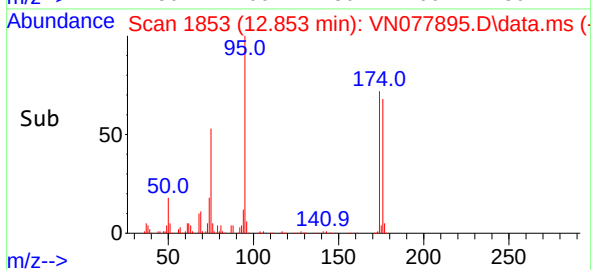
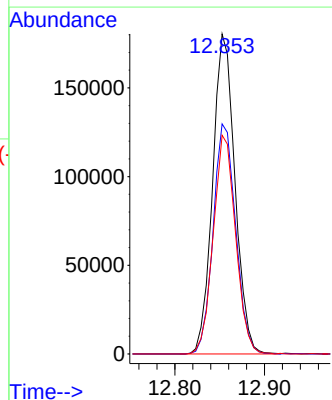
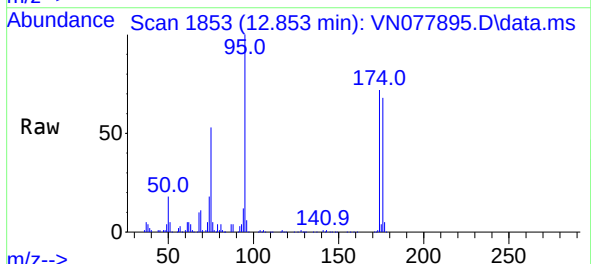
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

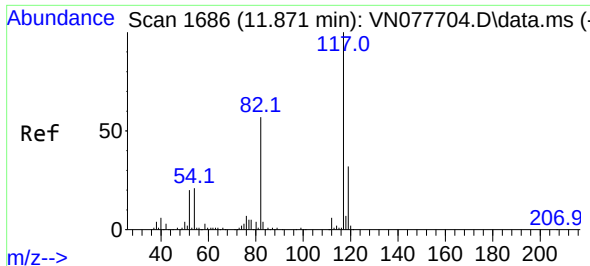
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 39.6 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 44.759 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion: 95 Resp: 311144
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.8
176 68.6 0.0 135.8

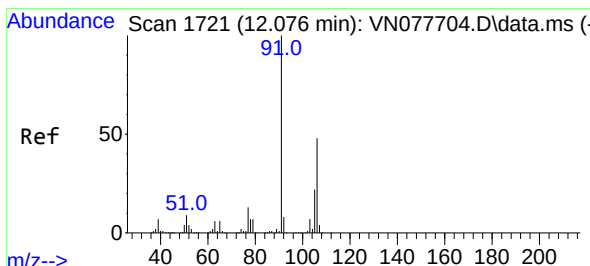
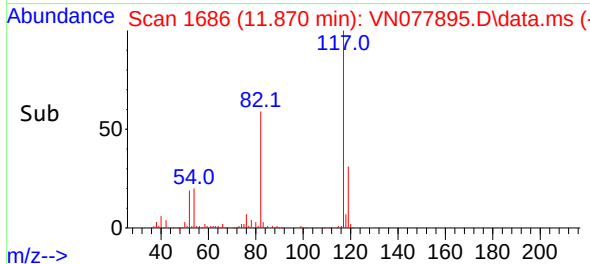
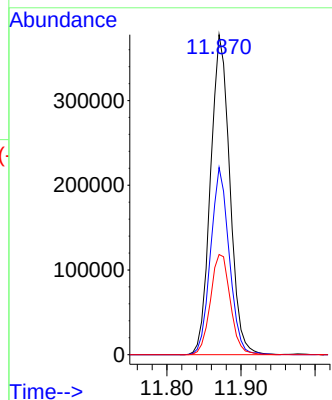
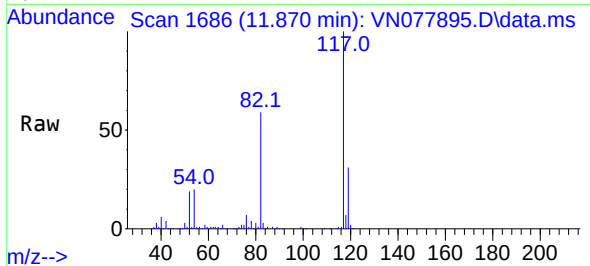




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

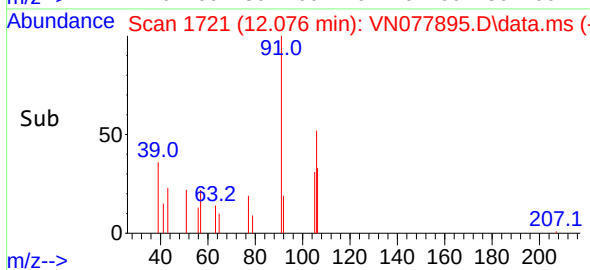
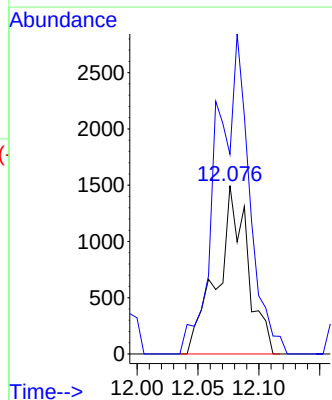
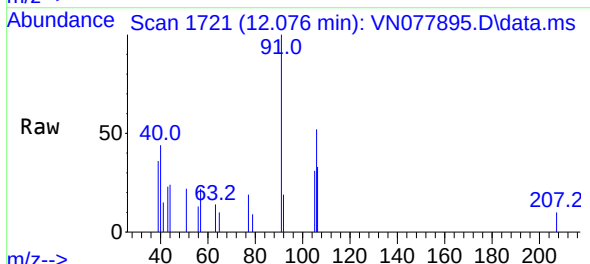
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

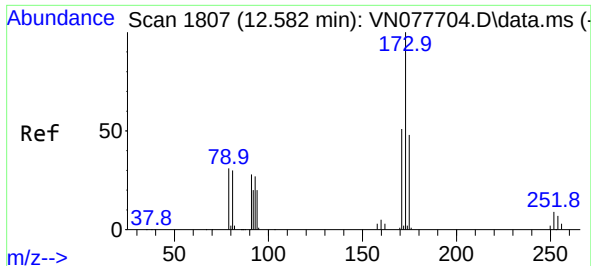
Tgt Ion:117 Resp: 682233
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 31.3 25.6 38.4



#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion:106 Resp: 2597
Ion Ratio Lower Upper
106 100
91 204.4 159.6 239.4

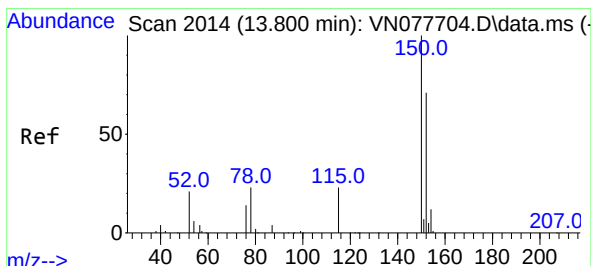
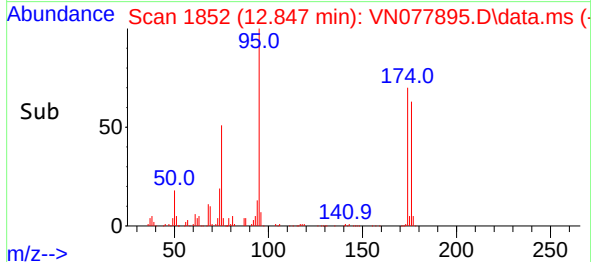
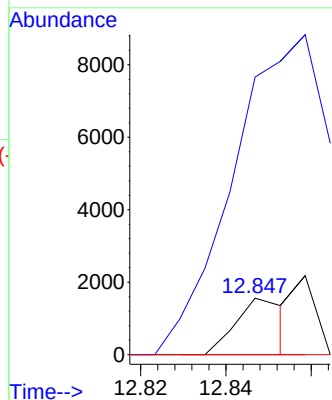
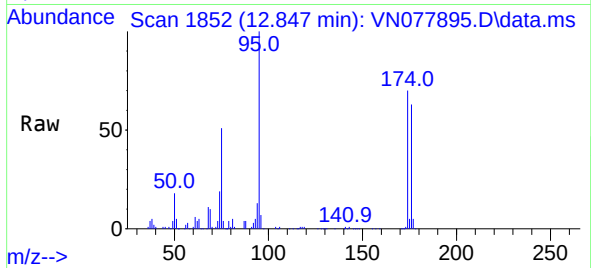




#71
Bromoform
Concen: 0.371 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

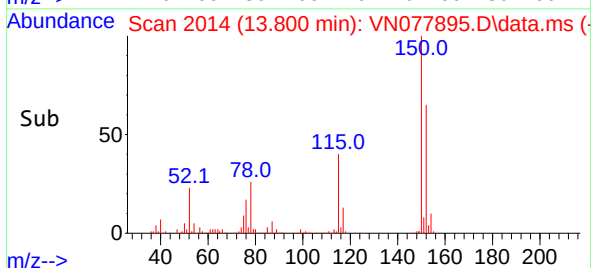
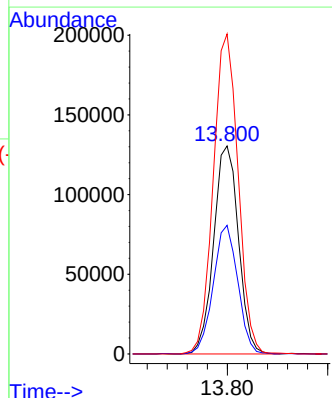
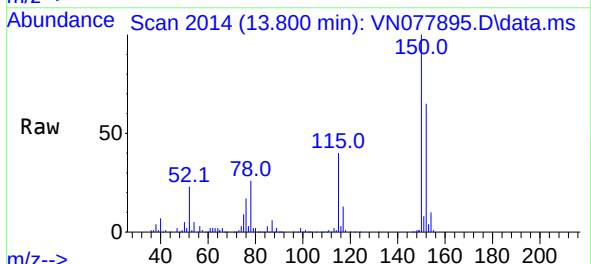
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

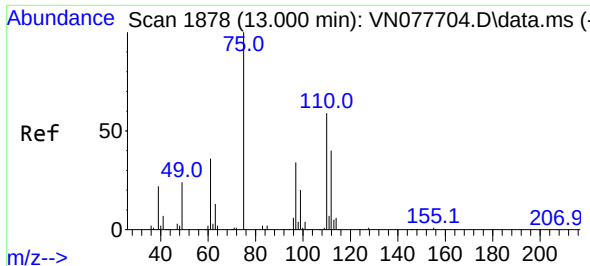
Tgt Ion:173 Resp: 1264
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion:152 Resp: 223745
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 154.1 0.0 355.8

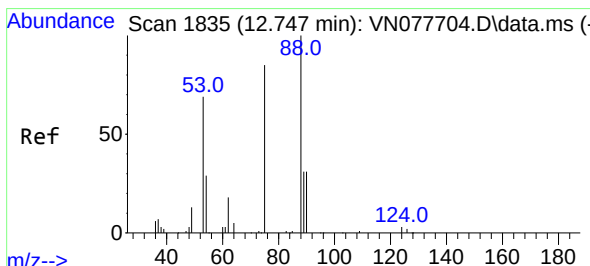
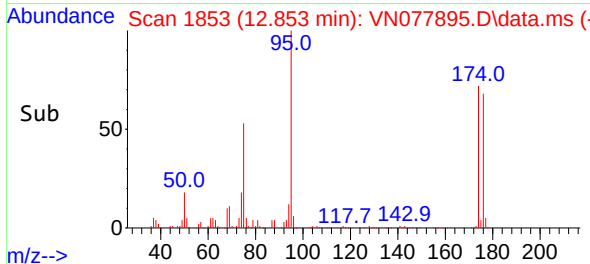
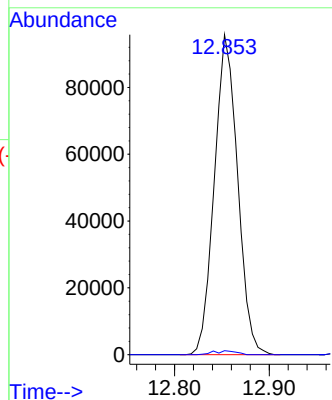
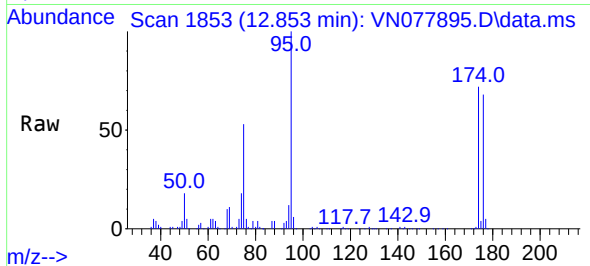




#76
1,2,3-Trichloropropane
Concen: 29.149 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

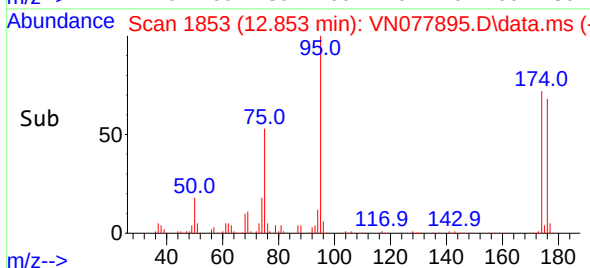
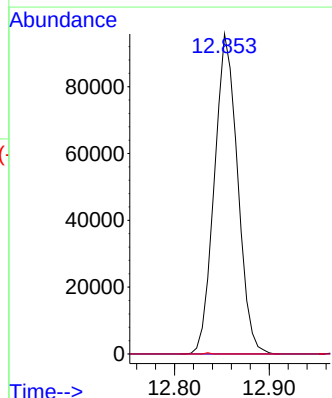
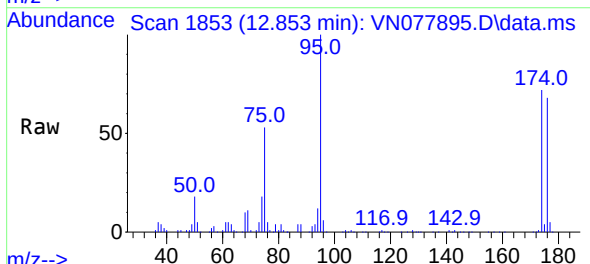
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

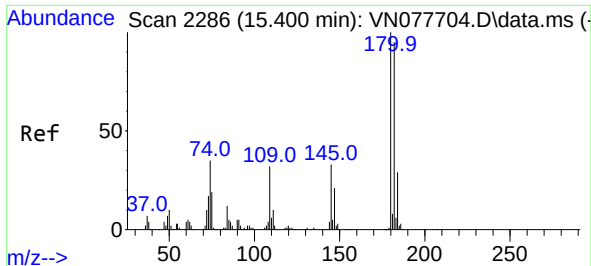
Tgt Ion: 75 Resp: 163331
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.174 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

Tgt Ion: 75 Resp: 163331
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

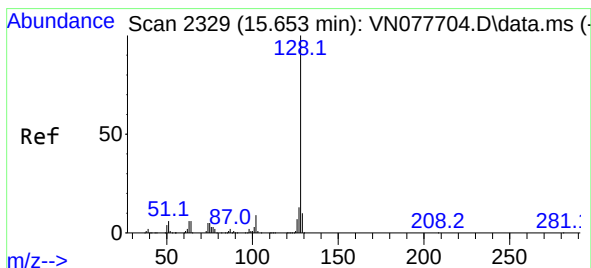
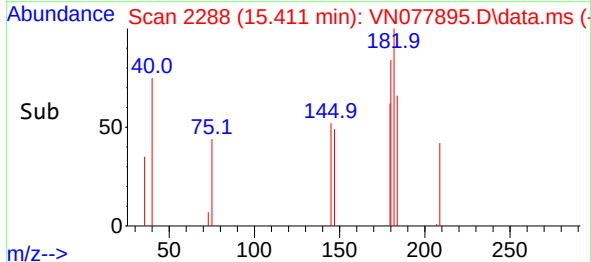
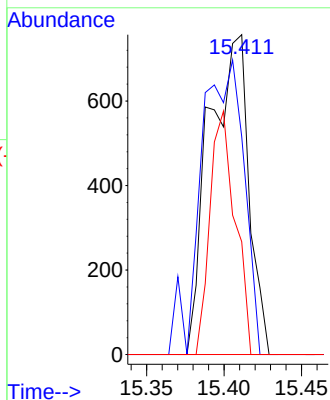
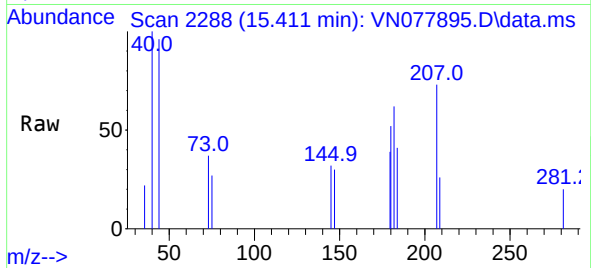




#93
1,2,4-Trichlorobenzene
Concen: 0.302 ug/l
RT: 15.411 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

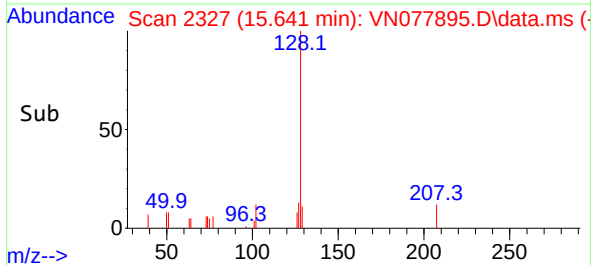
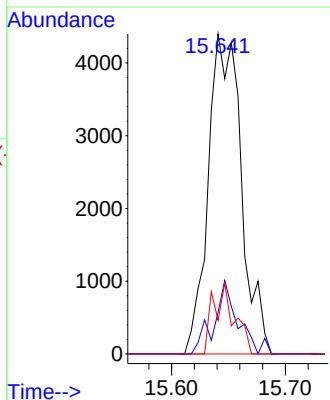
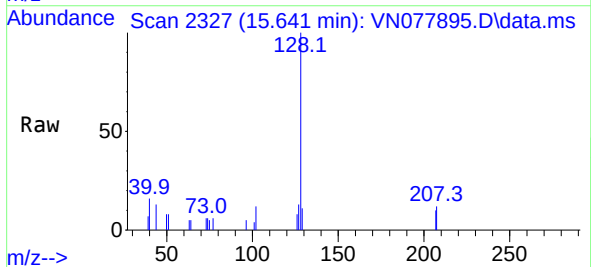
Instrument :
MSVOA_N
ClientSampleId :
VN0525WBL01

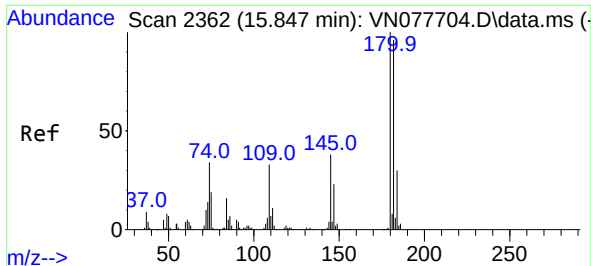
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	46.1	138.2
145	48.5	16.6	49.8



#95
Naphthalene
Concen: 0.582 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN077895.D
Acq: 25 May 2023 12:18

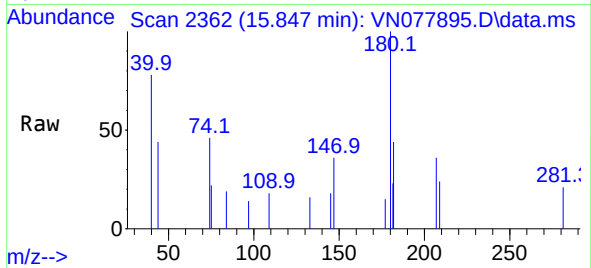
Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.0	15.0#
129	14.1	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.419 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077895.D
 Acq: 25 May 2023 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0525WBL01



Tgt Ion:	180	Resp:	1825
Ion	Ratio	Lower	Upper
180	100		
182	80.4	46.2	138.6
145	19.3	17.5	52.6

