

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077157.D
 Acq On : 23 Mar 2023 18:19
 Operator : JC\MD
 Sample : 02048-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 24 01:36:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

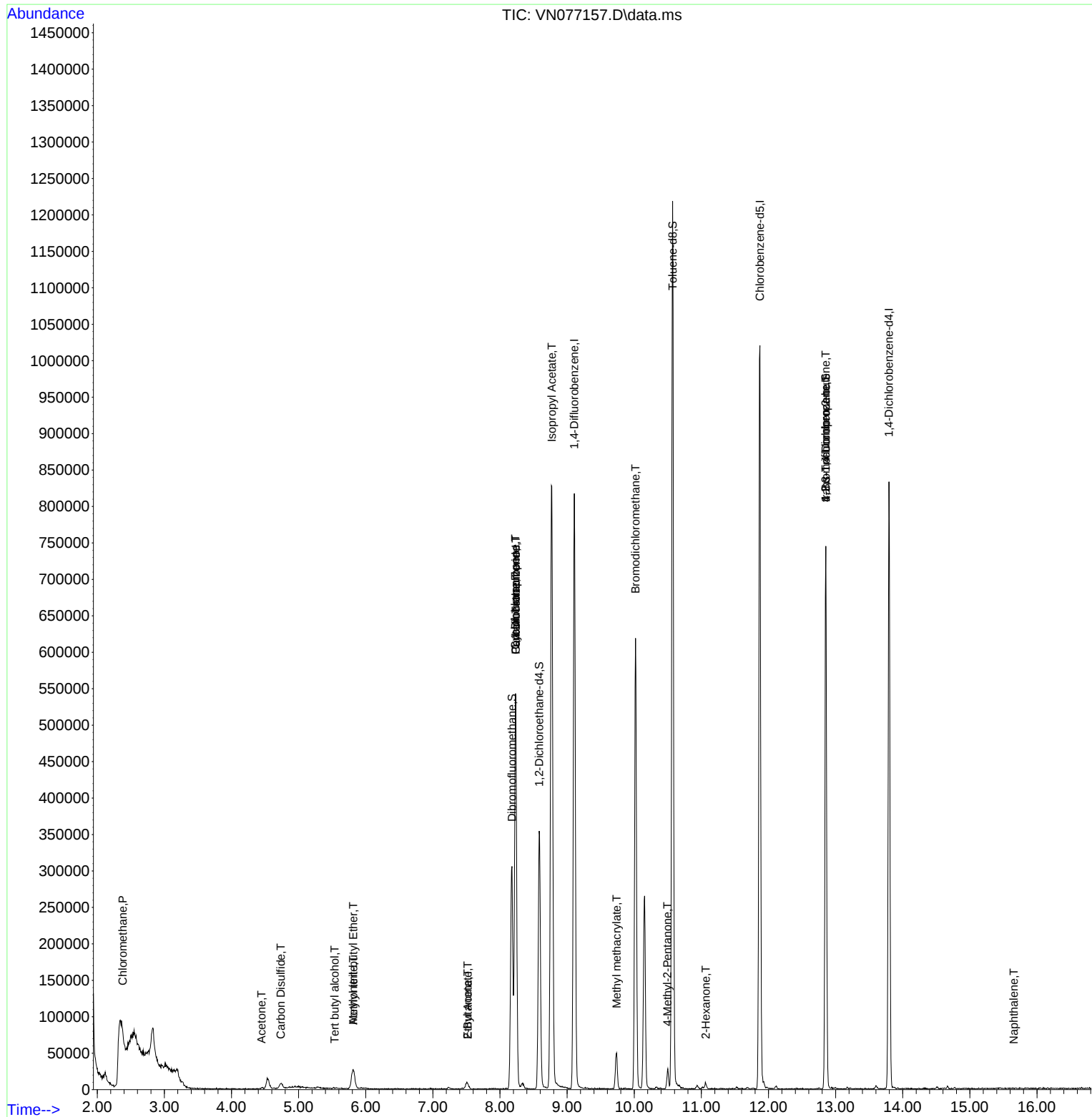
Internal Standards						
1) Pentafluorobenzene	8.236	168	374557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	672667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	560256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	211786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	291418	48.709	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.420%		
35) Dibromofluoromethane	8.178	113	218160	46.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.620%		
50) Toluene-d8	10.572	98	818890	48.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.320%		
62) 4-Bromofluorobenzene	12.854	95	234345	39.411	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	78.820%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.343	85	371	Below Cal	#	42
3) Chloromethane	2.378	50	1707	0.452	ug/l	97
11) Tert butyl alcohol	5.537	59	1009	1.157	ug/l #	72
15) Acrylonitrile	5.813	53	840	0.287	ug/l #	25
16) Acetone	4.448	43	3333	1.250	ug/l #	43
17) Carbon Disulfide	4.737	76	13930	1.051	ug/l #	88
19) Methyl tert-butyl Ether	5.813	73	38595	2.365	ug/l	96
25) 2-Butanone	7.519	43	5288	1.356	ug/l #	49
31) Cyclohexane	8.230	56	10668	1.090	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	34226	4.652	ug/l #	51
37) Ethyl Acetate	7.519	43	5288	0.672	ug/l #	69
38) Carbon Tetrachloride	8.236	117	40985	5.719	ug/l #	15
43) Isopropyl Acetate	8.772	43	169313	13.768	ug/l #	56
47) Bromodichloromethane	10.019	83	4910	0.626	ug/l #	34
48) Methyl methacrylate	9.736	41	12670	2.155	ug/l #	45
51) 4-Methyl-2-Pentanone	10.495	43	3867	0.505	ug/l #	60
59) 2-Hexanone	11.066	43	6123	1.102	ug/l	67
76) 1,2,3-Trichloropropane	12.854	75	136238	24.869	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	136238	68.455	ug/l #	10
95) Naphthalene	15.654	128	970	1.978	ug/l #	77

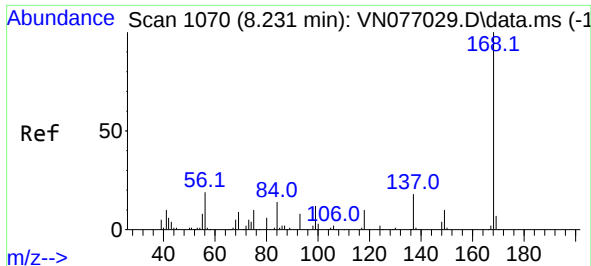
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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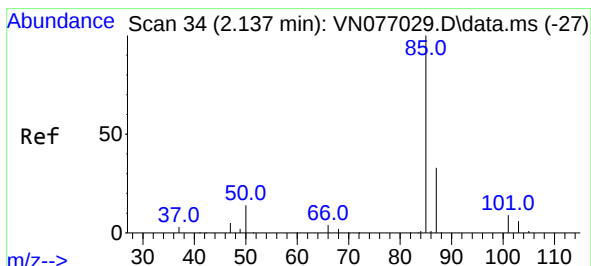
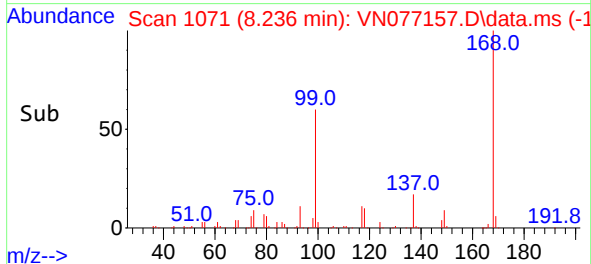
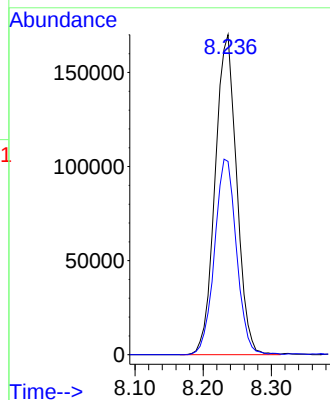
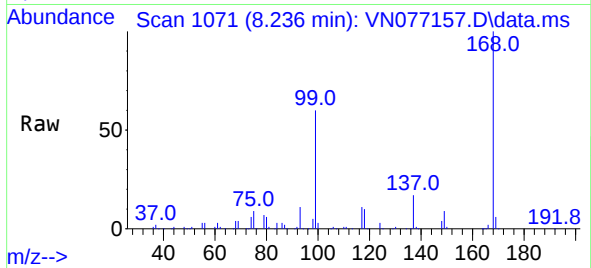




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

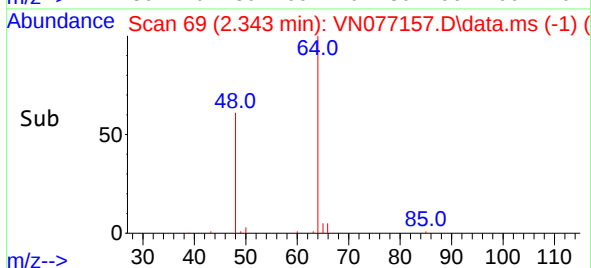
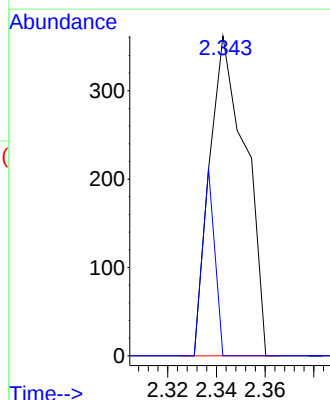
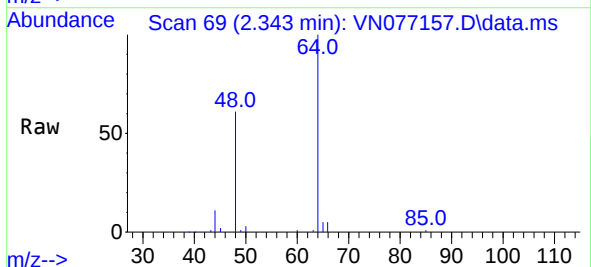
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 374557
Ion Ratio Lower Upper
168 100
99 60.4 53.9 80.9

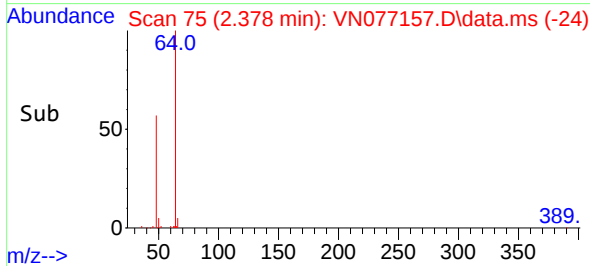
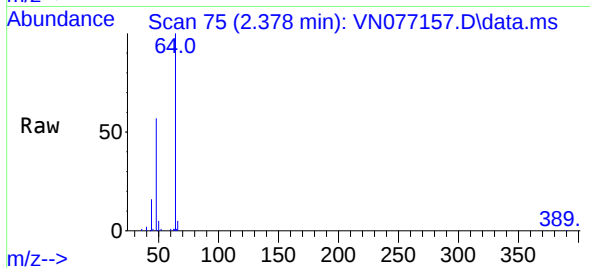
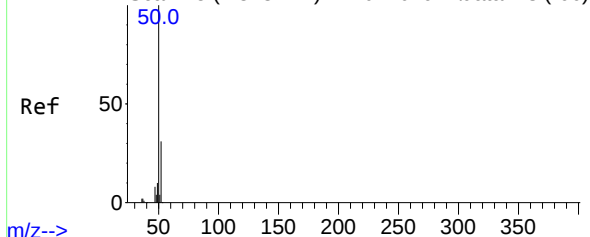


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.343 min Scan# 69
Delta R.T. 0.206 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Tgt Ion: 85 Resp: 371
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#



Abundance Scan 75 (2.378 min): VN077029.D\data.ms (-66)



#3

Chloromethane

Concen: 0.452 ug/l

RT: 2.378 min Scan# 75

Delta R.T. -0.000 min

Lab File: VN077157.D

Acq: 23 Mar 2023 18:19

Instrument :

MSVOA_N

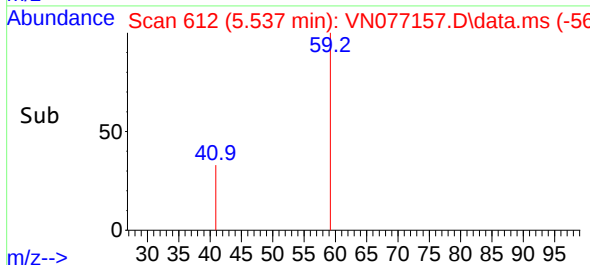
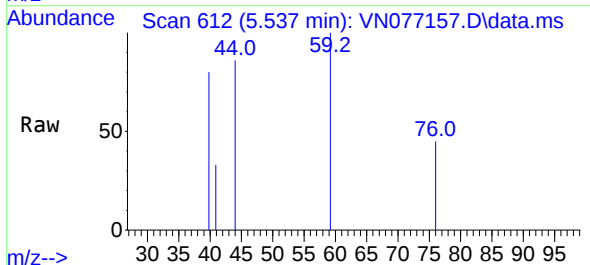
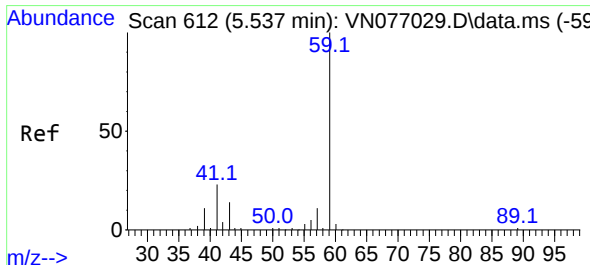
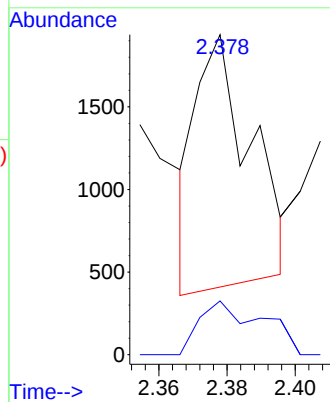
ClientSampleId :

Tgt Ion: 50 Resp: 1707

Ion Ratio Lower Upper

50 100

52 29.5 25.1 37.7



#11

Tert butyl alcohol

Concen: 1.157 ug/l

RT: 5.537 min Scan# 612

Delta R.T. -0.000 min

Lab File: VN077157.D

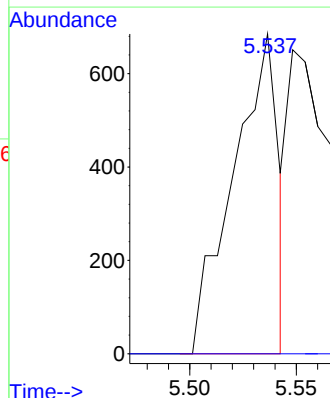
Acq: 23 Mar 2023 18:19

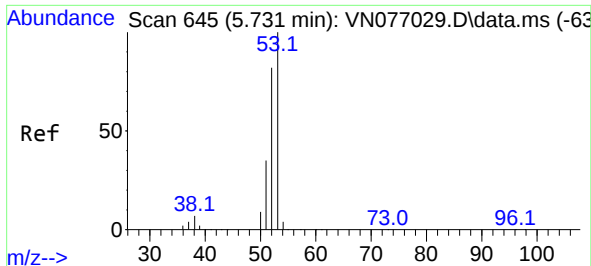
Tgt Ion: 59 Resp: 1009

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

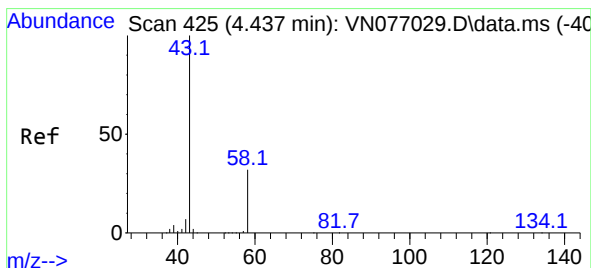
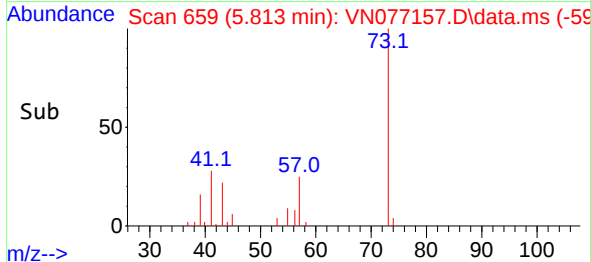
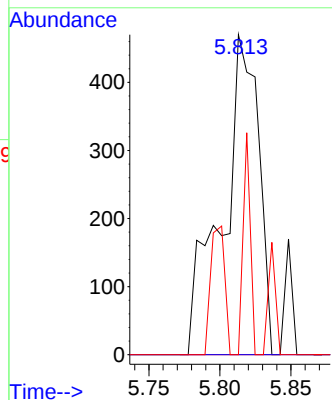
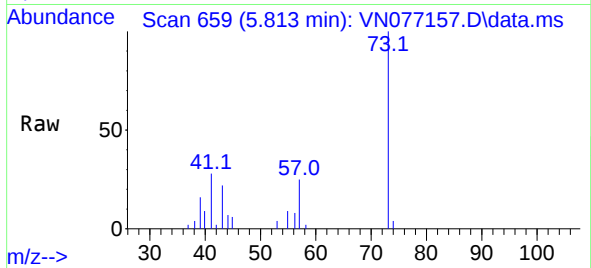




#15
Acrylonitrile
Concen: 0.287 ug/l
RT: 5.813 min Scan# 61
Delta R.T. 0.082 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

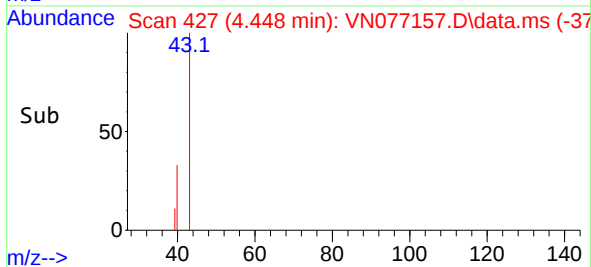
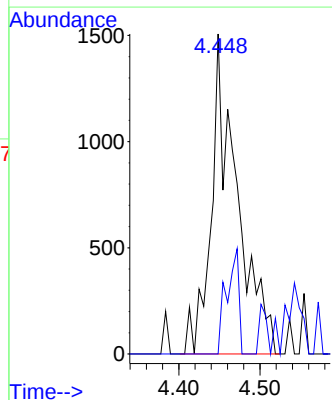
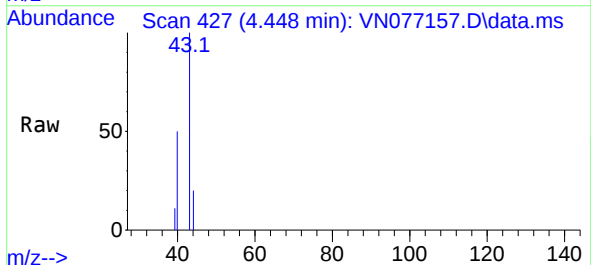
Instrument :
MSVOA_N
ClientSampleId :

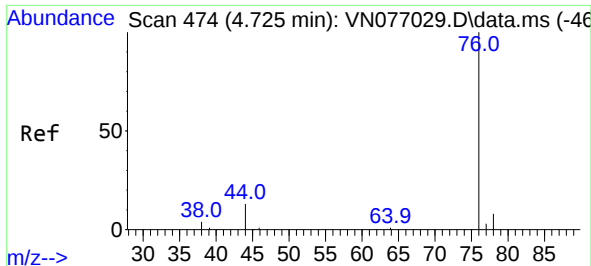
Tgt Ion: 53 Resp: 840
Ion Ratio Lower Upper
53 100
52 0.0 64.6 97.0#
51 13.7 28.3 42.5#



#16
Acetone
Concen: 1.250 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

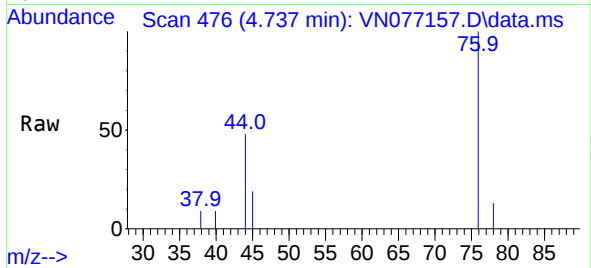
Tgt Ion: 43 Resp: 3333
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



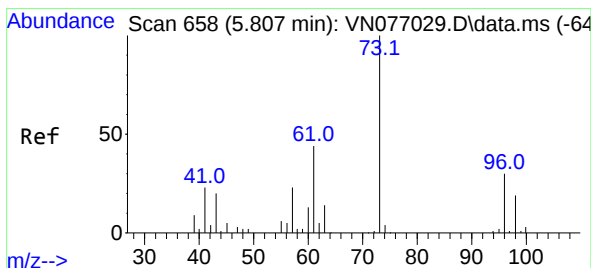
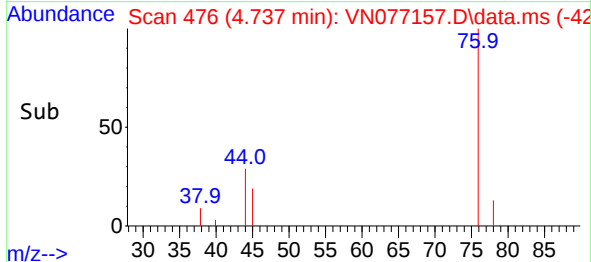
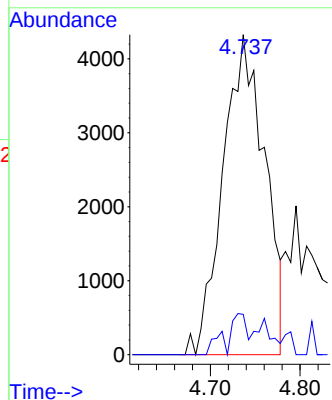


#17
Carbon Disulfide
Concen: 1.051 ug/l
RT: 4.737 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Instrument :
MSVOA_N
ClientSampleId :

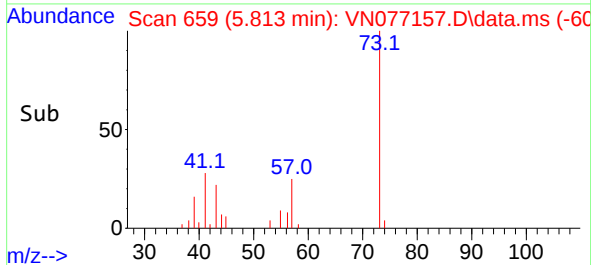
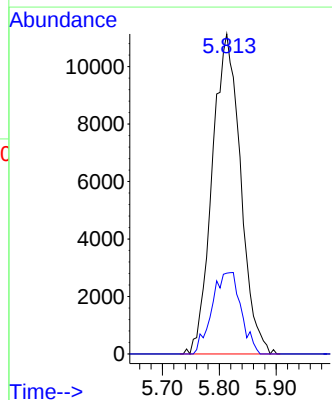
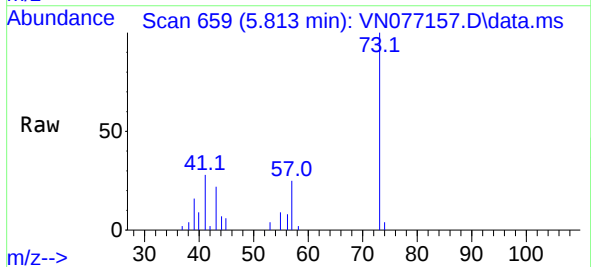


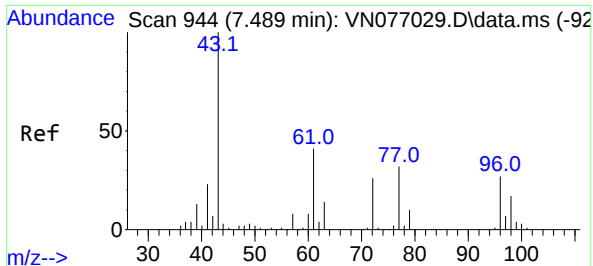
Tgt Ion: 76 Resp: 13930
Ion Ratio Lower Upper
76 100
78 12.6 6.6 10.0#



#19
Methyl tert-butyl Ether
Concen: 2.365 ug/l
RT: 5.813 min Scan# 659
Delta R.T. 0.006 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Tgt Ion: 73 Resp: 38595
Ion Ratio Lower Upper
73 100
57 25.3 18.7 28.1

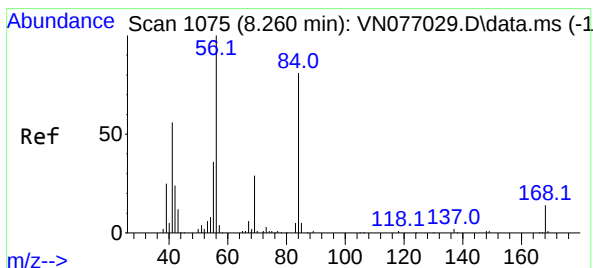
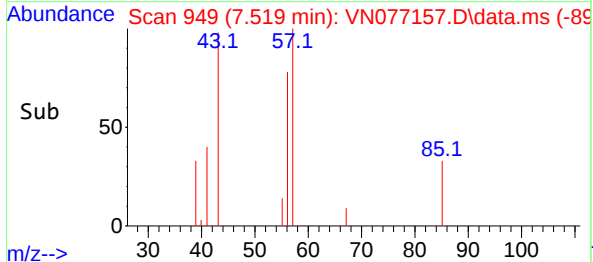
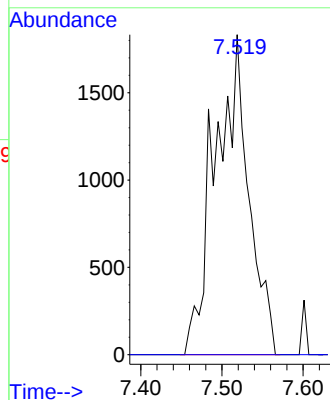
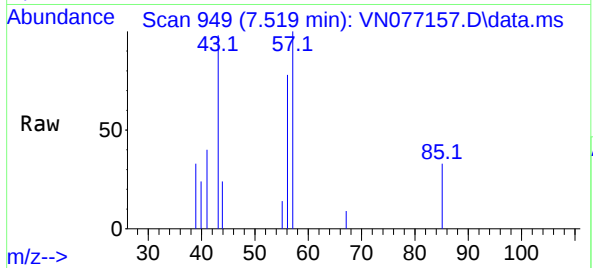




#25
2-Butanone
Concen: 1.356 ug/l
RT: 7.519 min Scan# 944
Delta R.T. 0.030 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

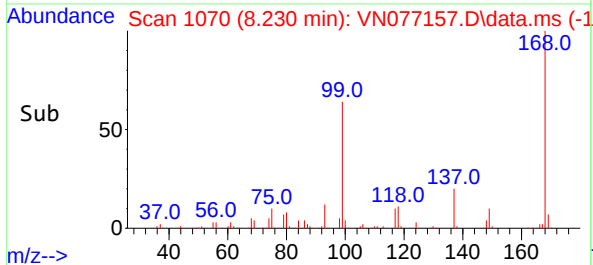
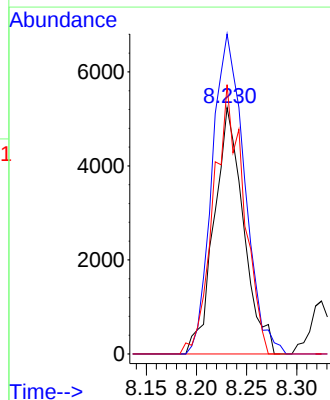
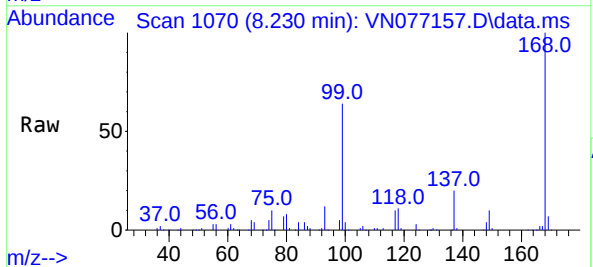
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MSVOA_N
ClientSampleId :

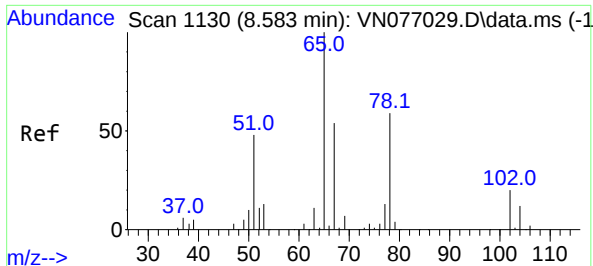
Tgt Ion: 43 Resp: 5288
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Tgt Ion: 56 Resp: 10668
Ion Ratio Lower Upper
56 100
69 129.8 22.8 34.2#
84 109.3 64.7 97.1#

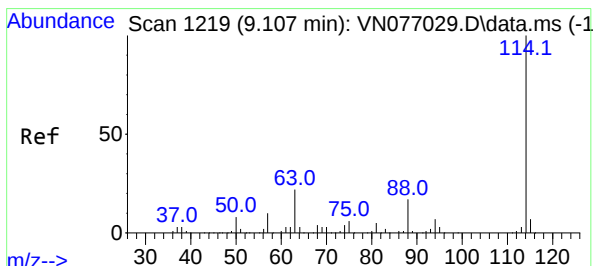
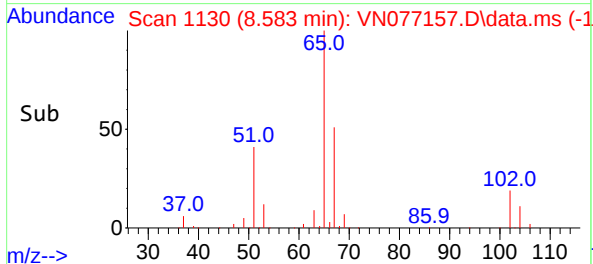
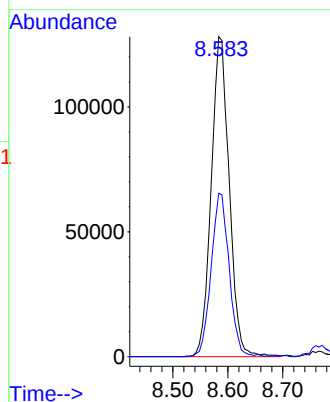
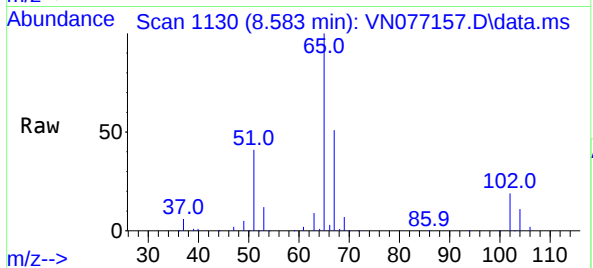




#33
1,2-Dichloroethane-d4
Concen: 48.709 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

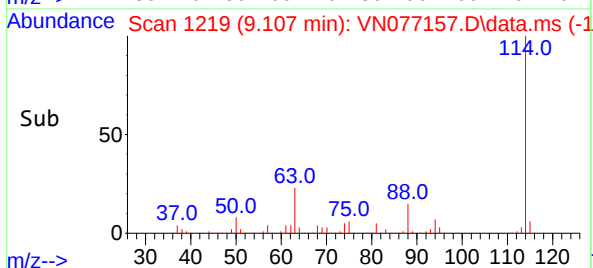
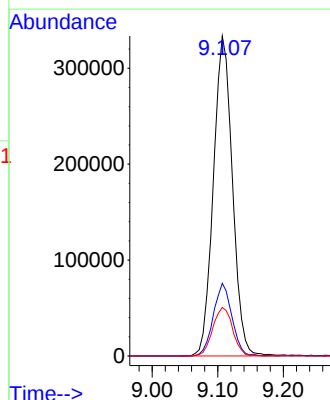
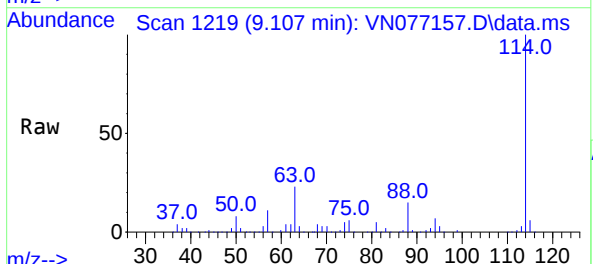
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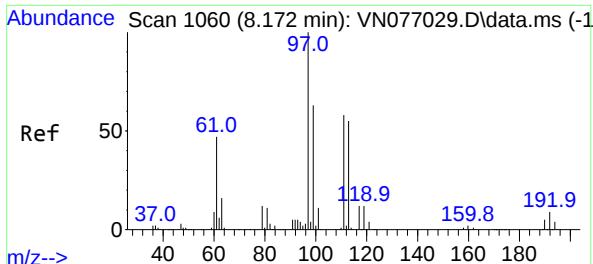
Tgt Ion: 65 Resp: 291418
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

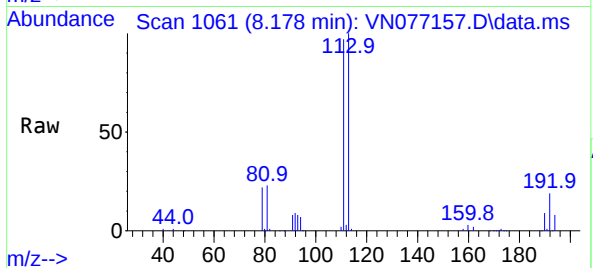
Tgt Ion: 114 Resp: 672667
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.6
88 15.2 0.0 33.8



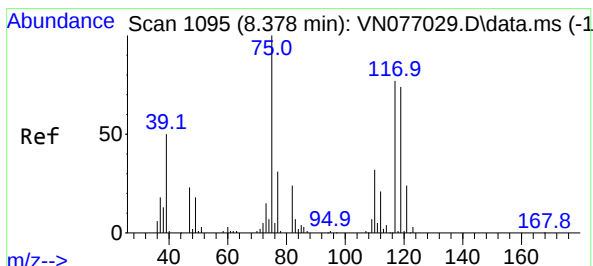
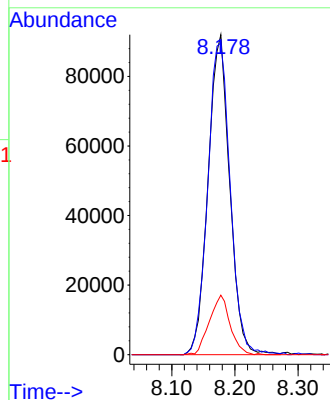
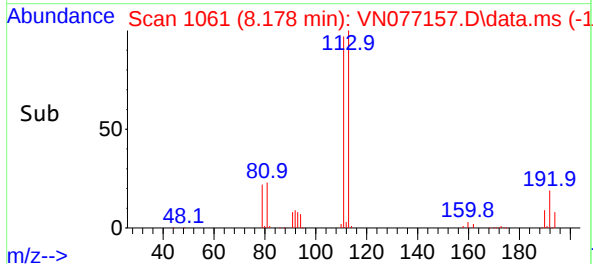


#35
Dibromofluoromethane
Concen: 46.311 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

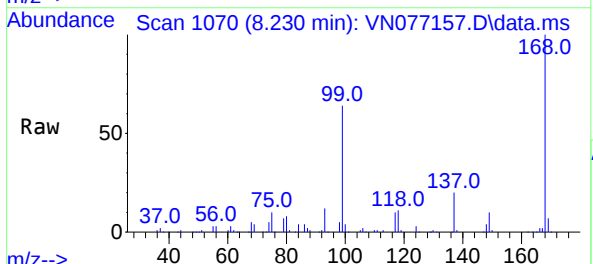
Instrument :
MSVOA_N
ClientSampleId :



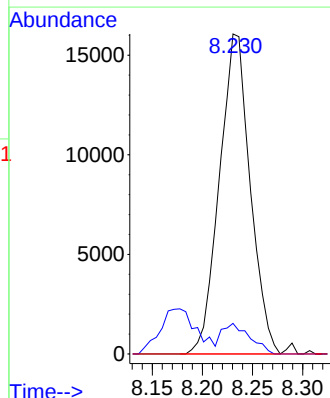
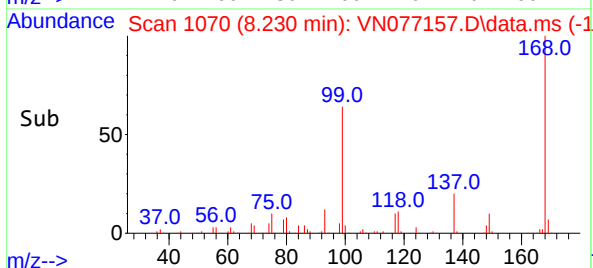
Tgt Ion:113 Resp: 218160
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 17.8 13.0 19.6

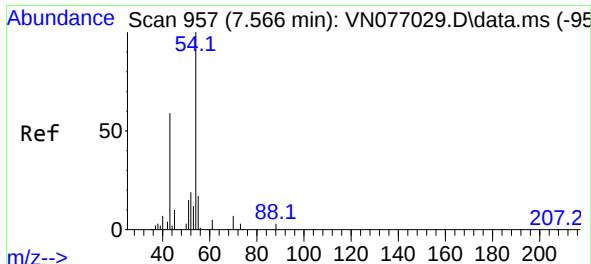


#36
1,1-Dichloropropene
Concen: 4.652 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19



Tgt Ion: 75 Resp: 34226
Ion Ratio Lower Upper
75 100
110 8.7 15.9 47.7#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.672 ug/l

RT: 7.519 min Scan# 94

Delta R.T. -0.047 min

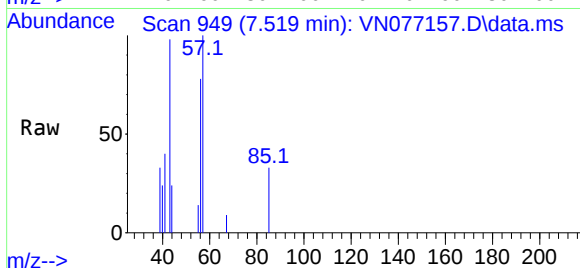
Lab File: VN077157.D

Acq: 23 Mar 2023 18:19

Instrument :

MSVOA_N

ClientSampleId :



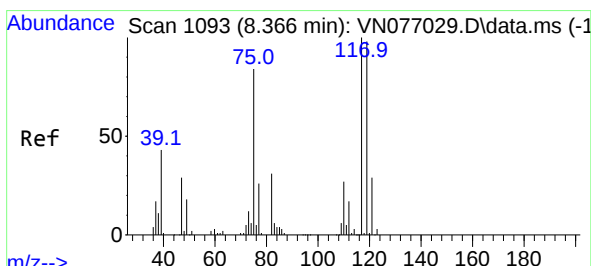
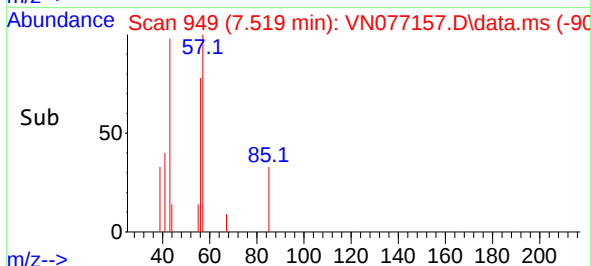
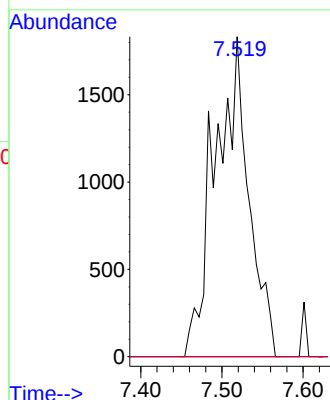
Tgt Ion: 43 Resp: 5288

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.719 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.129 min

Lab File: VN077157.D

Acq: 23 Mar 2023 18:19

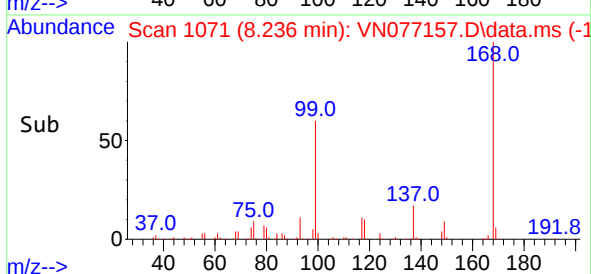
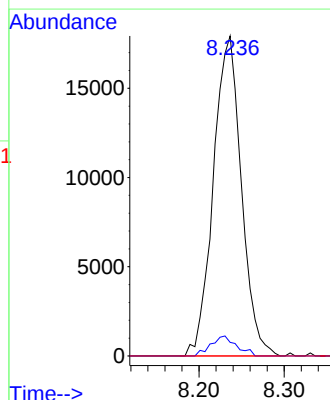
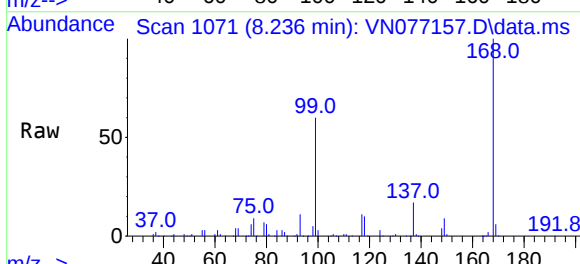
Tgt Ion: 117 Resp: 40985

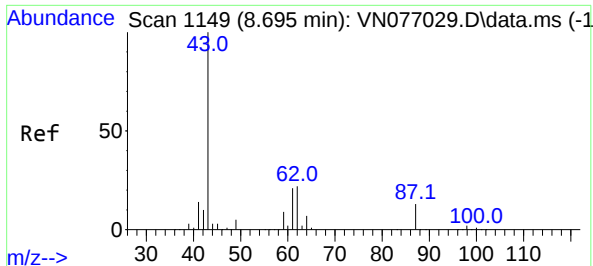
Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

121 0.0 23.2 34.8#

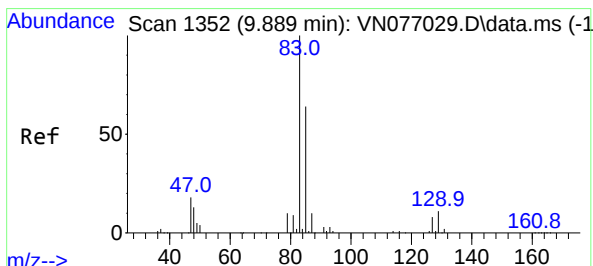
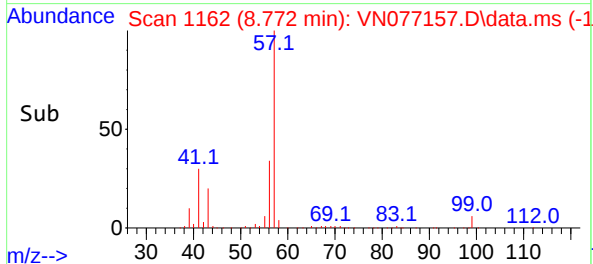
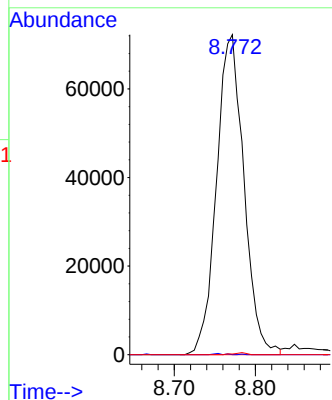
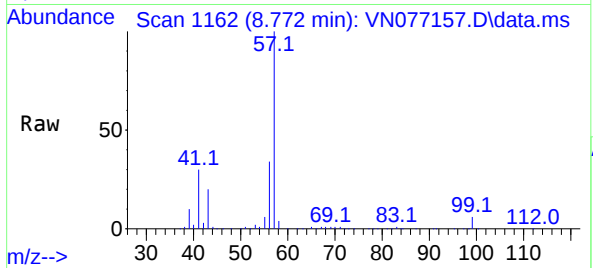




#43
Isopropyl Acetate
Concen: 13.768 ug/l
RT: 8.772 min Scan# 1162
Delta R.T. 0.076 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

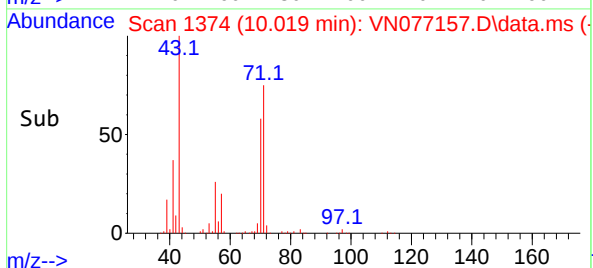
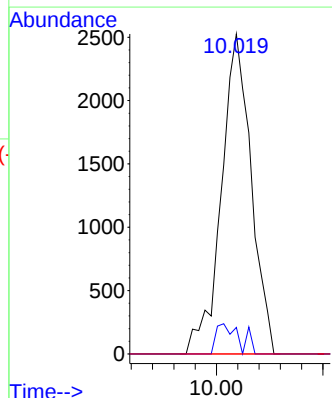
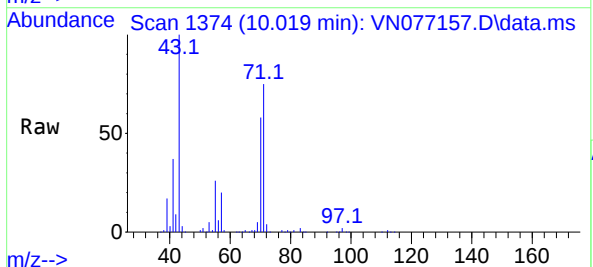
Instrument :
MSVOA_N
ClientSampleId :

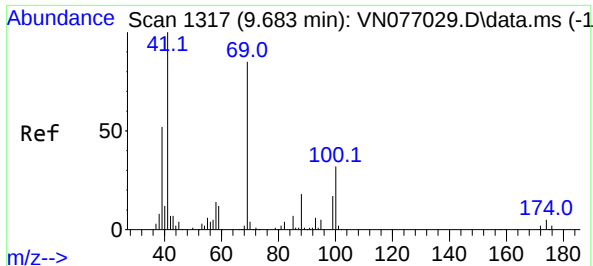
Tgt Ion: 43 Resp: 169313
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.3 10.0 15.0#



#47
Bromodichloromethane
Concen: 0.626 ug/l
RT: 10.019 min Scan# 1374
Delta R.T. 0.129 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

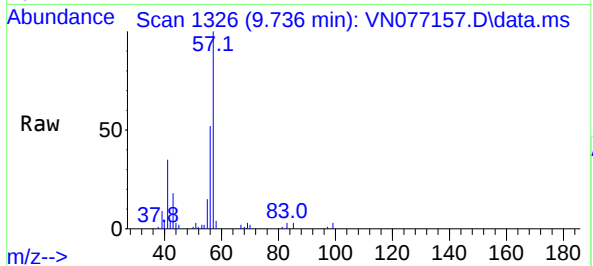
Tgt Ion: 83 Resp: 4910
Ion Ratio Lower Upper
83 100
85 8.3 51.0 76.4#
127 0.0 6.1 9.1#



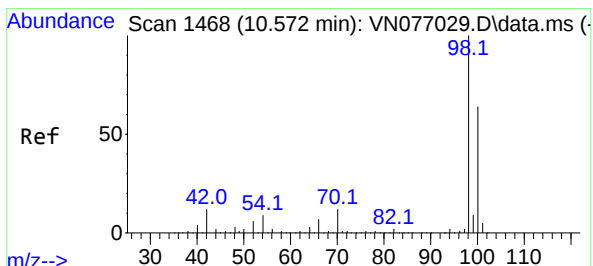
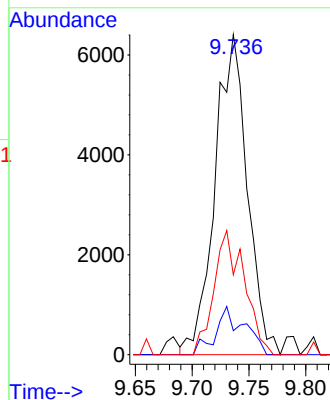
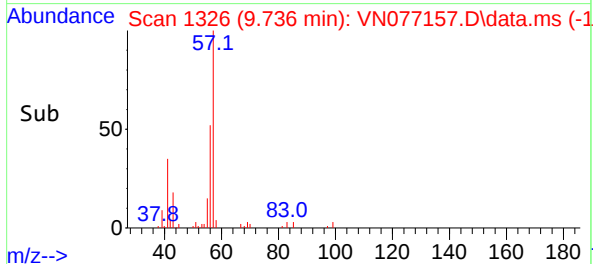


#48
Methyl methacrylate
Concen: 2.155 ug/l
RT: 9.736 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Instrument :
MSVOA_N
ClientSampleId :

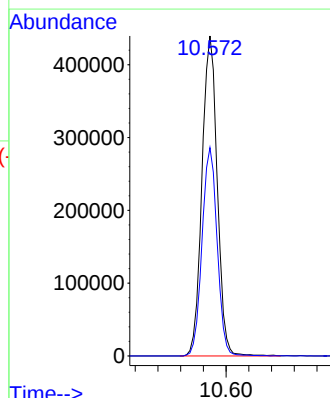
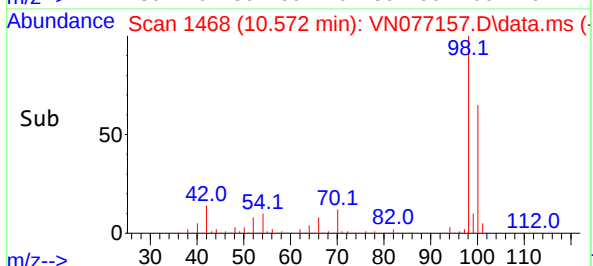
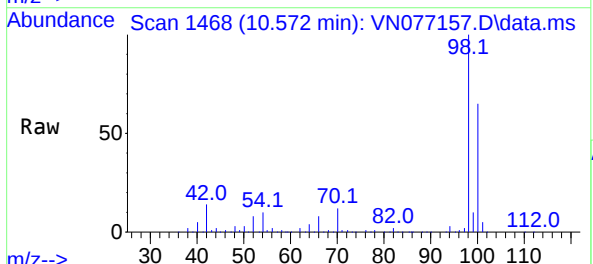


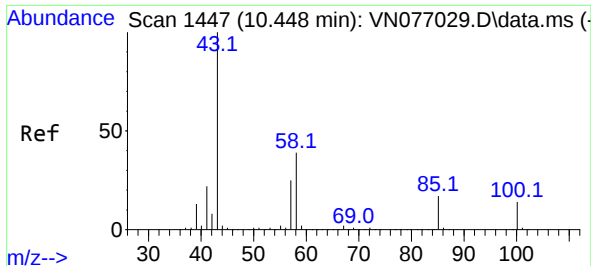
Tgt Ion: 41 Resp: 12670
Ion Ratio Lower Upper
41 100
69 13.3 64.3 96.5#
39 36.6 43.2 64.8#



#50
Toluene-d8
Concen: 48.664 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Tgt Ion: 98 Resp: 818890
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

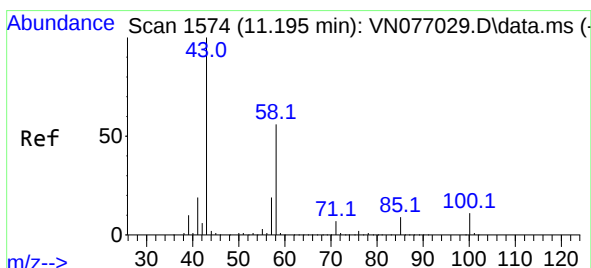
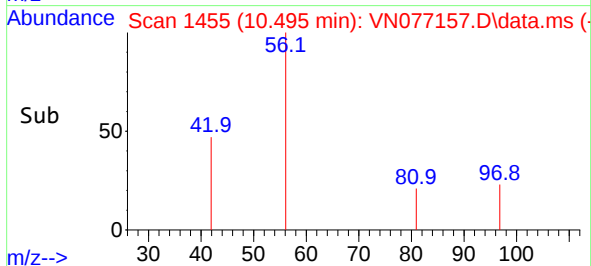
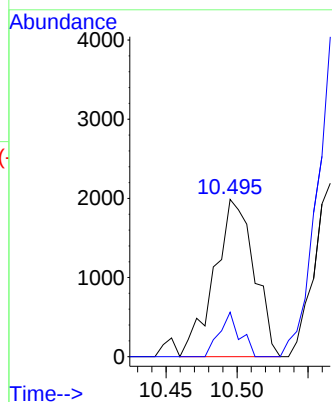
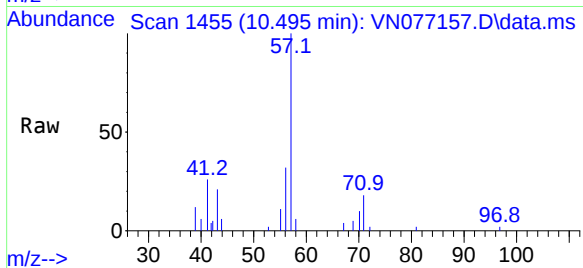




#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 10.495 min Scan# 1447
Delta R.T. 0.047 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

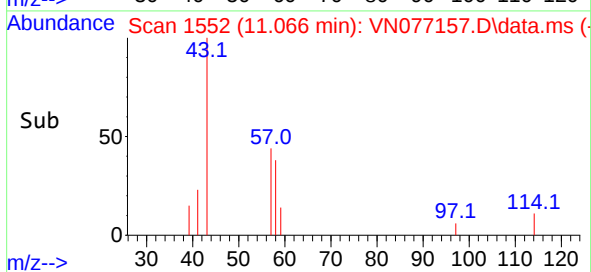
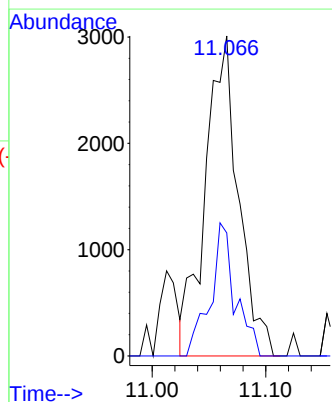
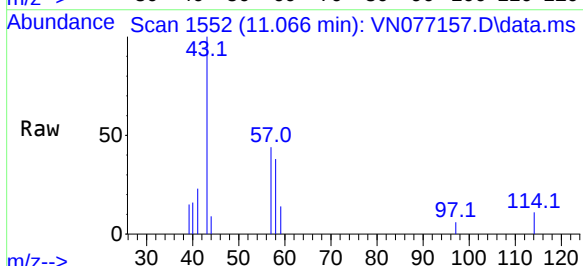
Instrument :
MSVOA_N
ClientSampleId :

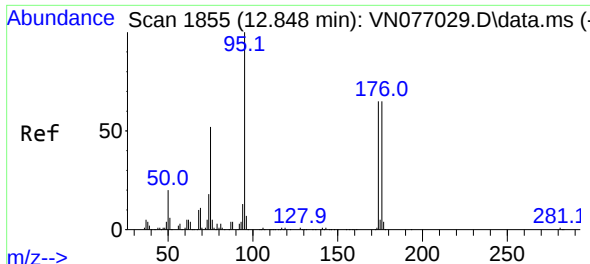
Tgt Ion: 43 Resp: 3867
Ion Ratio Lower Upper
43 100
58 14.6 31.1 46.7#



#59
2-Hexanone
Concen: 1.102 ug/l
RT: 11.066 min Scan# 1552
Delta R.T. -0.129 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Tgt Ion: 43 Resp: 6123
Ion Ratio Lower Upper
43 100
58 31.1 27.7 83.1

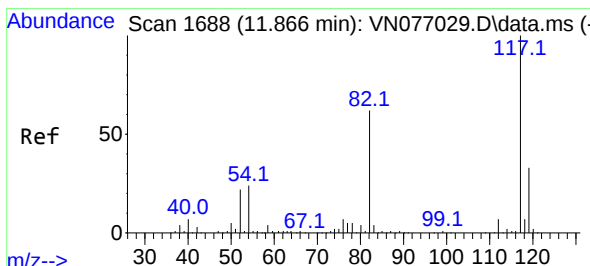
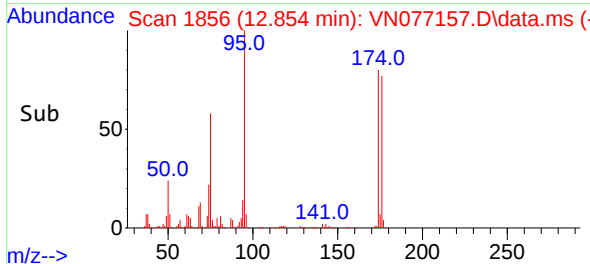
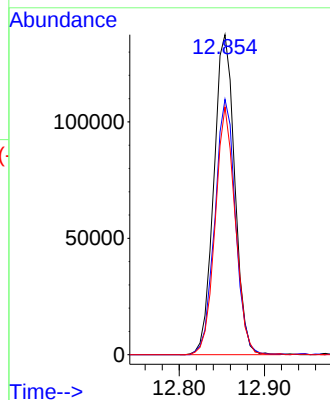
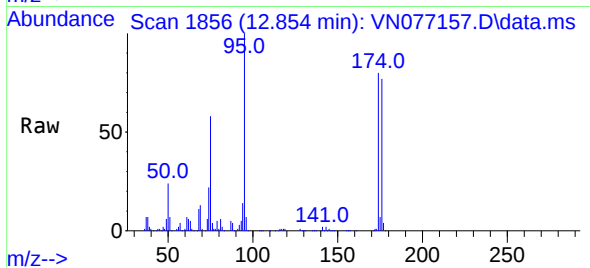




#62
4-Bromofluorobenzene
Concen: 39.411 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

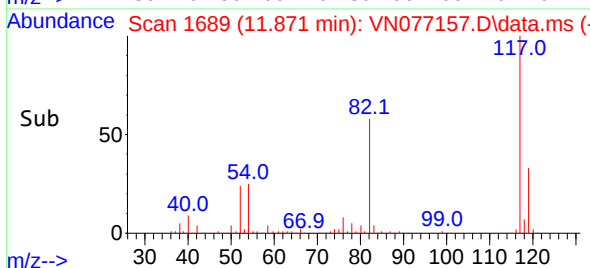
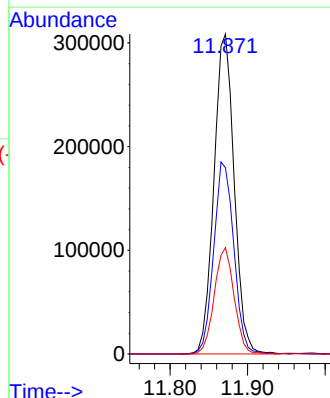
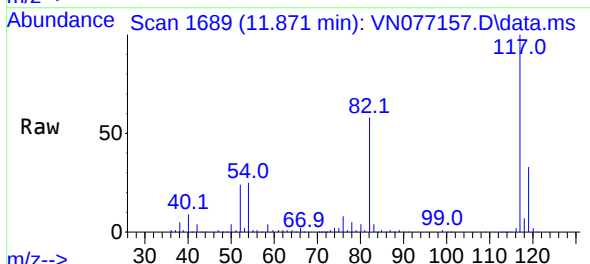
Instrument :
MSVOA_N
ClientSampleId :

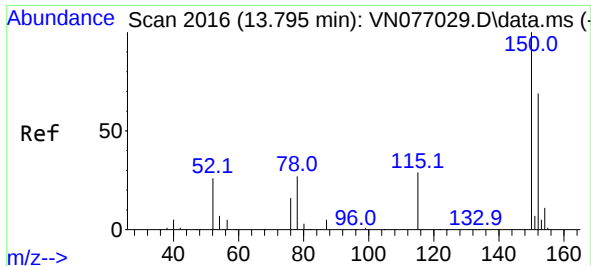
Tgt Ion: 95 Resp: 234345
Ion Ratio Lower Upper
95 100
174 78.8 0.0 136.6
176 74.3 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

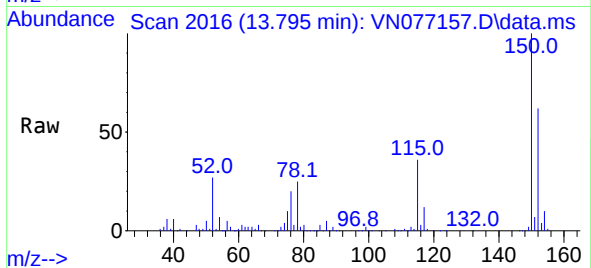
Tgt Ion: 117 Resp: 560256
Ion Ratio Lower Upper
117 100
82 58.2 49.4 74.0
119 33.2 26.5 39.7



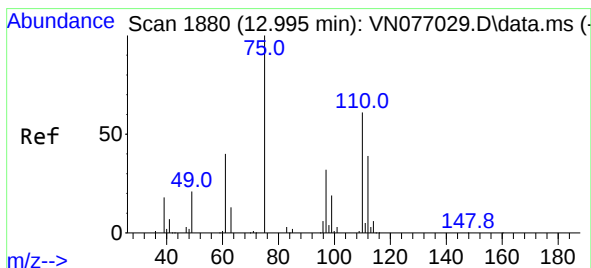
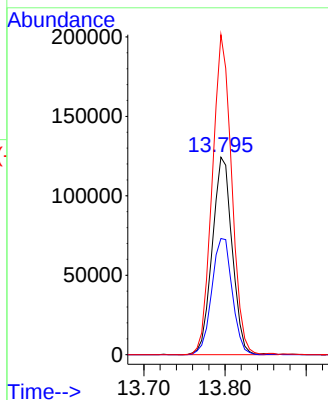
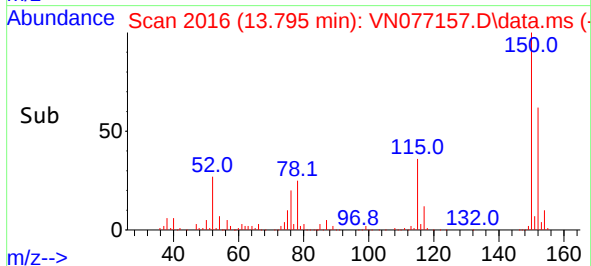


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

Instrument :
MSVOA_N
ClientSampleId :

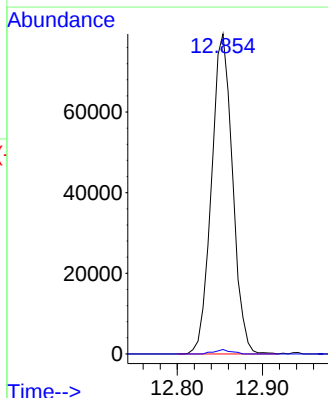
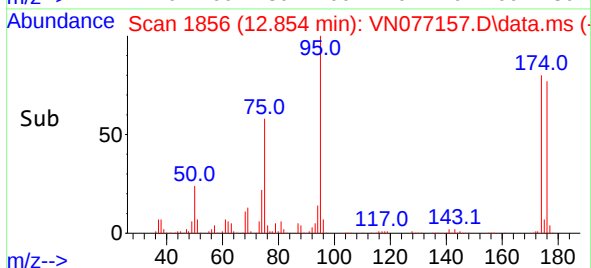
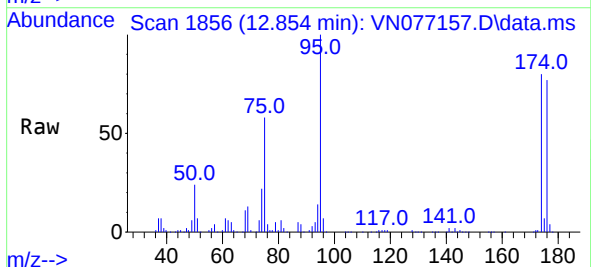


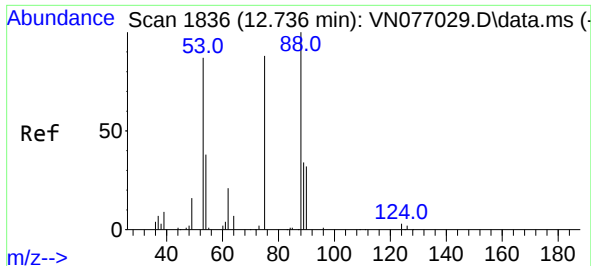
Tgt Ion:152 Resp: 211786
Ion Ratio Lower Upper
152 100
115 60.6 31.9 95.7
150 157.8 0.0 348.0



#76
1,2,3-Trichloropropane
Concen: 24.869 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

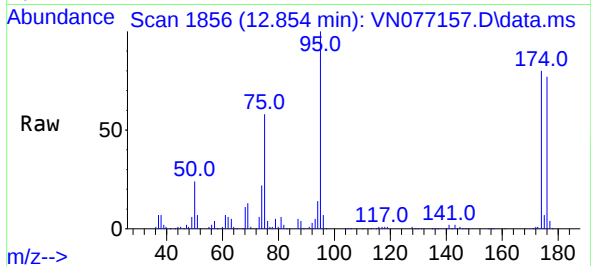
Tgt Ion: 75 Resp: 136238
Ion Ratio Lower Upper
75 100
77 1.1 107.3 322.0#



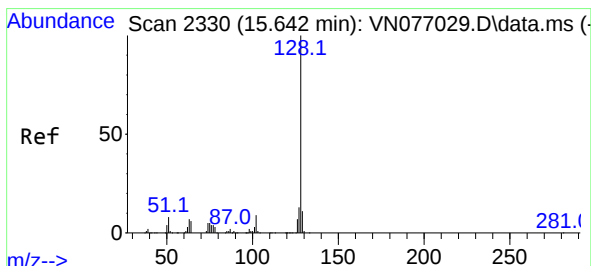
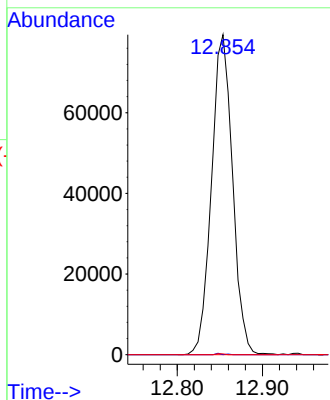
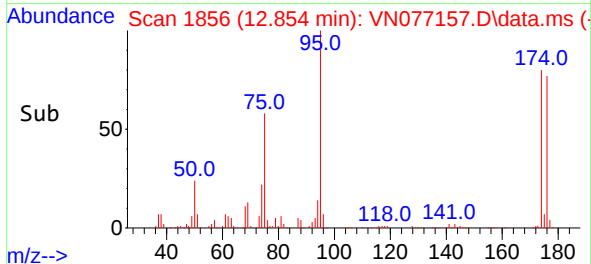


#81
trans-1,4-Dichloro-2-butene
Concen: 68.455 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19

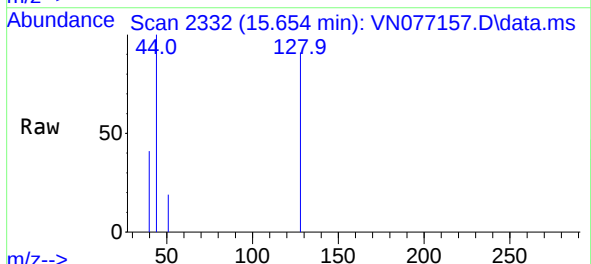
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 136238
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.1 34.2 51.4#



#95
Naphthalene
Concen: 1.978 ug/l
RT: 15.654 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN077157.D
Acq: 23 Mar 2023 18:19



Tgt Ion:128 Resp: 970
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 5.8 8.6 13.0#

