

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079102.D
 Acq On : 29 Aug 2023 18:31
 Operator : JC\MD
 Sample : PB155153ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

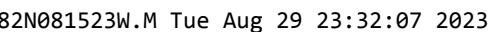
Quant Time: Aug 29 23:32:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

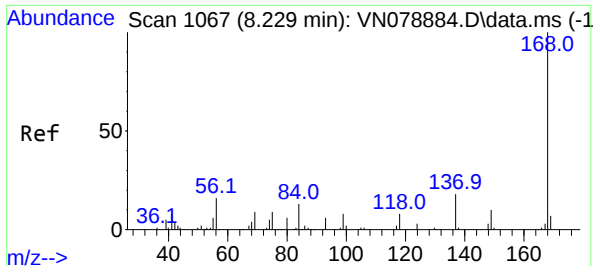
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	136666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	277765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	84886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116083	54.585	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.180%			
35) Dibromofluoromethane	8.171	113	93828	50.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.570	98	359641	52.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.853	95	106543	47.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.860%			
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	24228	27.611	ug/l	94
18) Methyl Acetate	5.047	43	3600	0.971	ug/l #	62
20) Methylene Chloride	5.277	84	17696	9.463	ug/l #	89
25) 2-Butanone	7.494	43	4515	3.209	ug/l #	87
29) Tetrahydrofuran	7.847	42	238	0.256	ug/l #	20
31) Cyclohexane	8.235	56	4269	Below Cal	#	48
36) 1,1-Dichloropropene	8.235	75	12484	4.484	ug/l #	48
37) Ethyl Acetate	7.577	43	4628	1.486	ug/l #	73
38) Carbon Tetrachloride	8.229	117	14488	5.193	ug/l #	14
42) 1,2-Dichloroethane	8.706	62	933	0.303	ug/l #	73
43) Isopropyl Acetate	8.694	43	205175	37.265	ug/l #	73
48) Methyl methacrylate	9.747	41	143859	57.660	ug/l #	29
49) 1,4-Dioxane	9.747	88	94	2.212	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	27008	8.271	ug/l #	71
53) t-1,3-Dichloropropene	10.741	75	956	0.300	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	49527	14.290	ug/l #	73
56) Ethyl methacrylate	10.994	69	2161	0.688	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7670	2.117	ug/l #	42
59) 2-Hexanone	11.206	43	93390	39.485	ug/l #	46
74) N-amyl acetate	12.488	43	2120	0.593	ug/l #	38
76) 1,2,3-Trichloropropane	12.859	75	57730	28.225	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	57730	72.103	ug/l #	15
95) Naphthalene	15.658	128	228	2.630	ug/l #	70

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

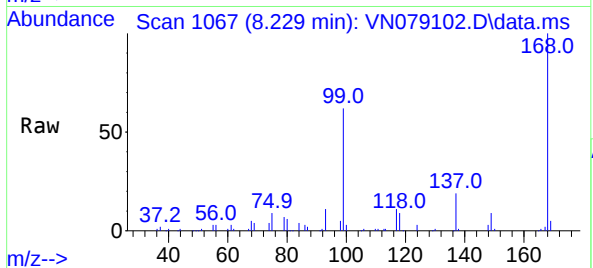
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



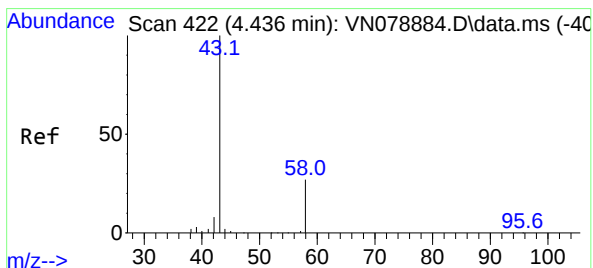
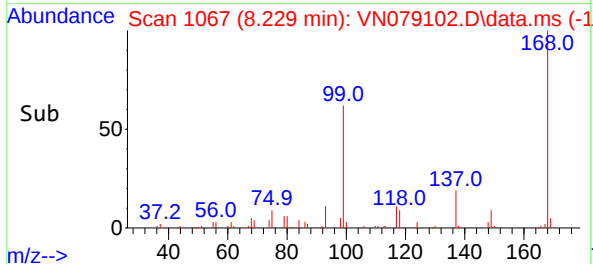
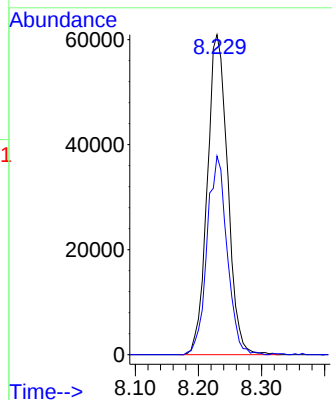


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

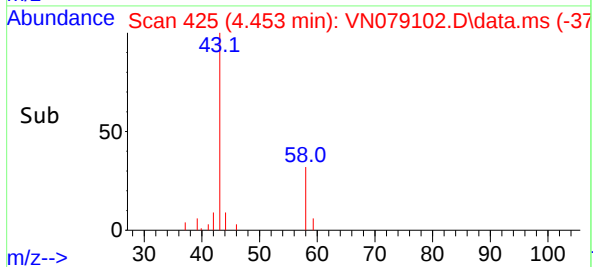
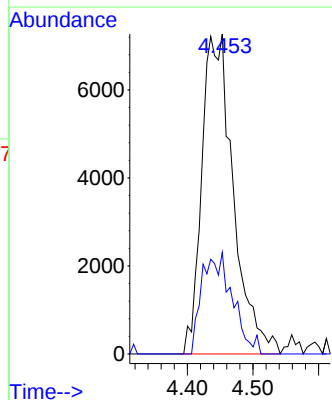
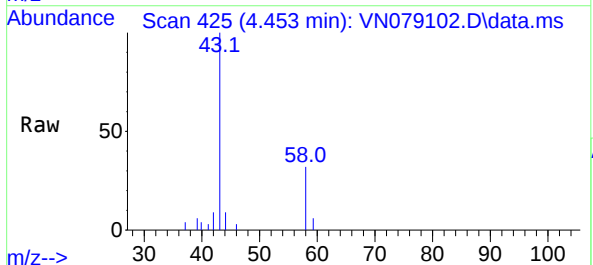


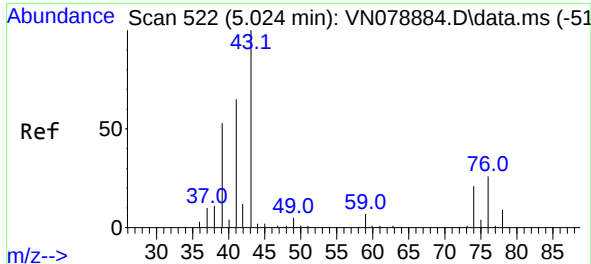
Tgt Ion:168 Resp: 136666
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#16
Acetone
Concen: 27.611 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 43 Resp: 24228
Ion Ratio Lower Upper
43 100
58 31.7 28.0 42.0





#18

Methyl Acetate

Concen: 0.971 ug/l

RT: 5.047 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN079102.D

Acq: 29 Aug 2023 18:31

Instrument :

MSVOA_N

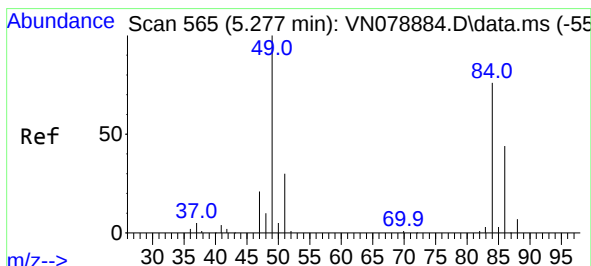
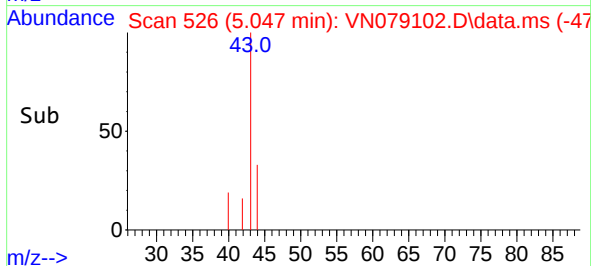
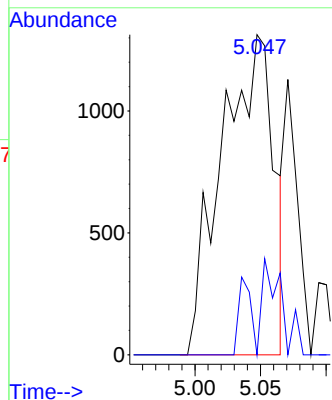
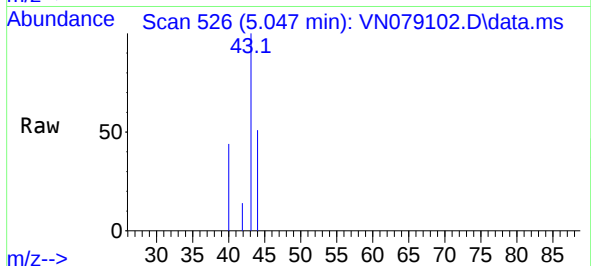
ClientSampleId :

Tgt Ion: 43 Resp: 3600

Ion Ratio Lower Upper

43 100

74 11.3 26.2 39.4#



#20

Methylene Chloride

Concen: 9.463 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079102.D

Acq: 29 Aug 2023 18:31

Tgt Ion: 84 Resp: 17696

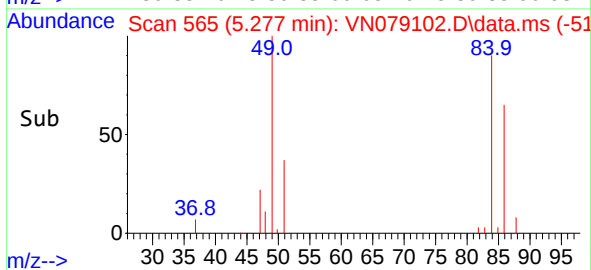
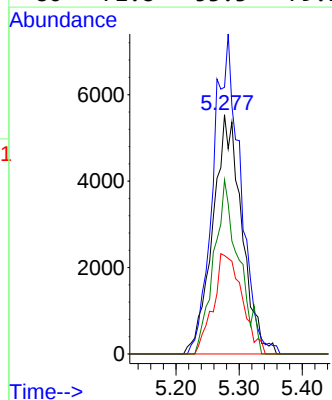
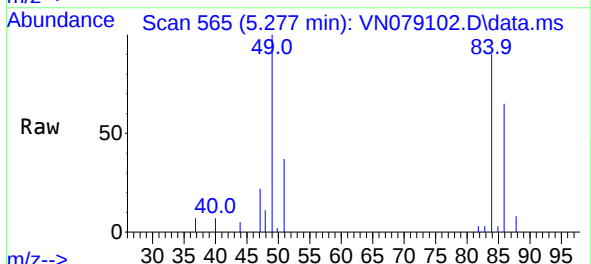
Ion Ratio Lower Upper

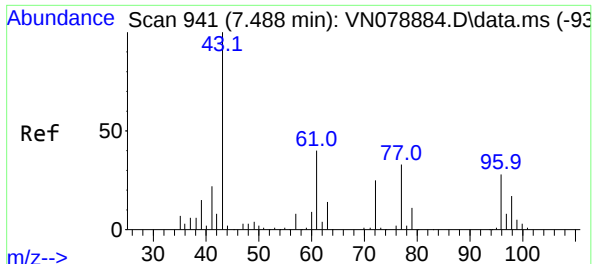
84 100

49 111.5 79.7 119.5

51 41.1 25.2 37.8#

86 72.8 53.3 79.9

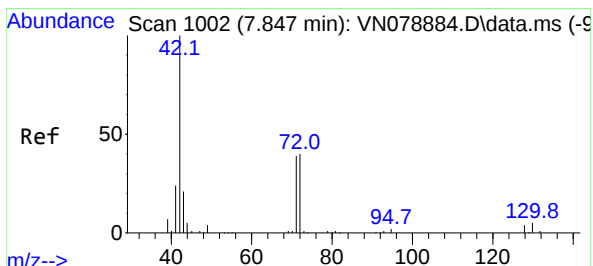
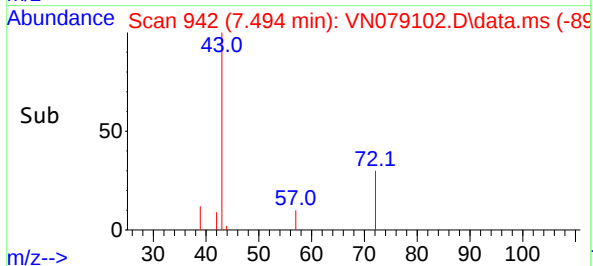
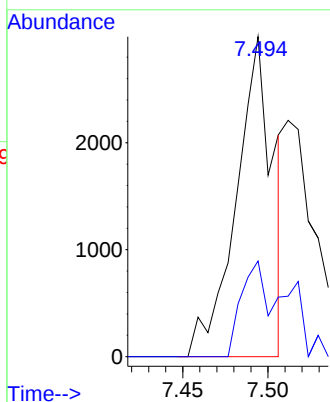
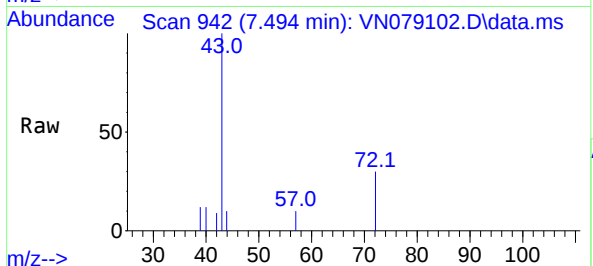




#25
2-Butanone
Concen: 3.209 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

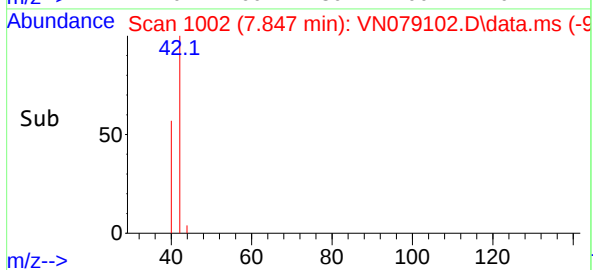
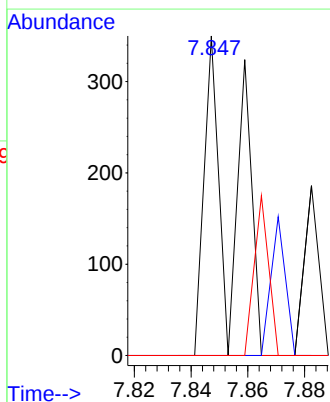
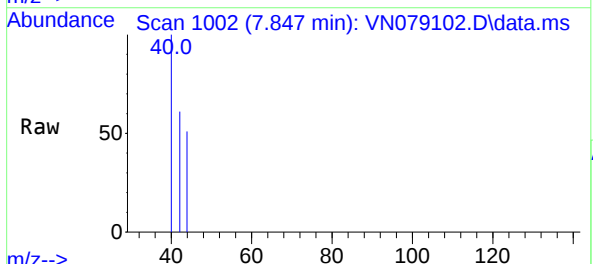
Instrument :
MSVOA_N
ClientSampleId :

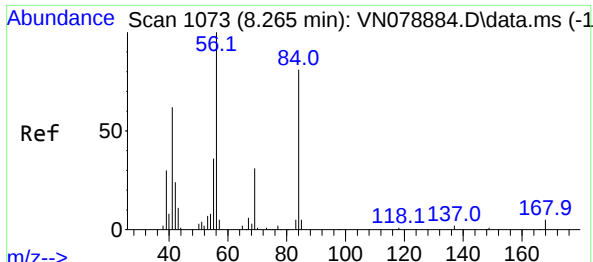
Tgt Ion: 43 Resp: 4515
Ion Ratio Lower Upper
43 100
72 29.9 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.000 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

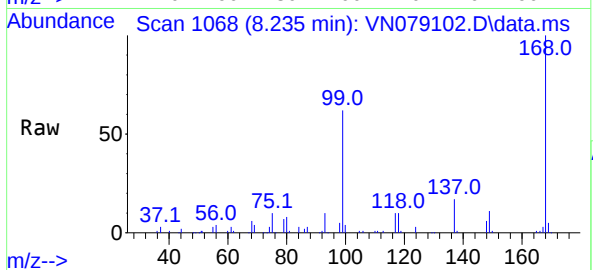
Tgt Ion: 42 Resp: 238
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



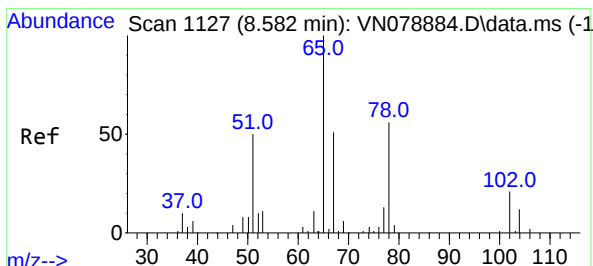
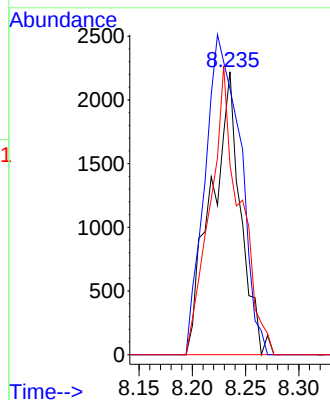
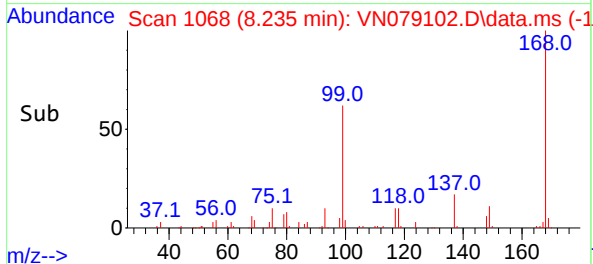


#31
Cyclohexane
Concen: Below Cal
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

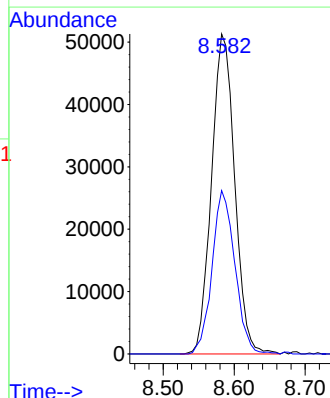
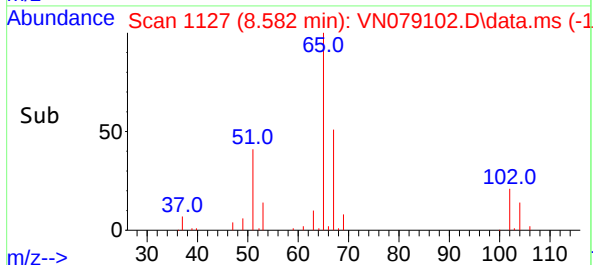
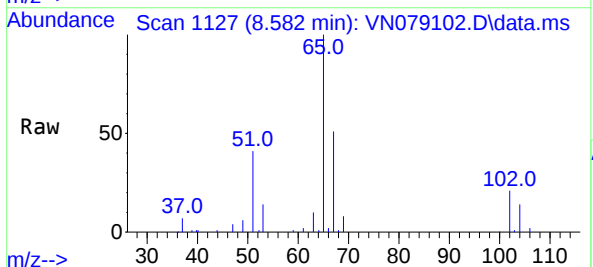


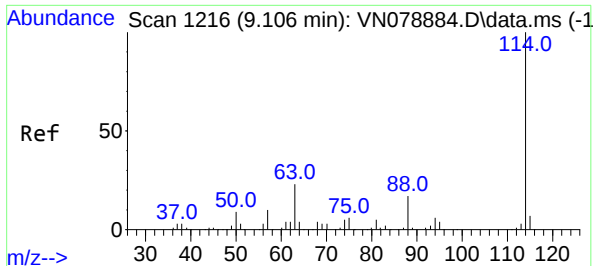
Tgt Ion: 56 Resp: 4269
Ion Ratio Lower Upper
56 100
69 94.1 26.8 40.2#
84 67.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.585 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 65 Resp: 116083
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.6

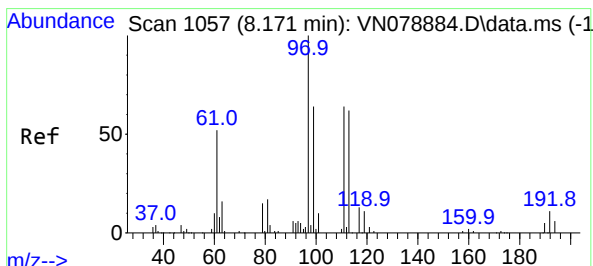
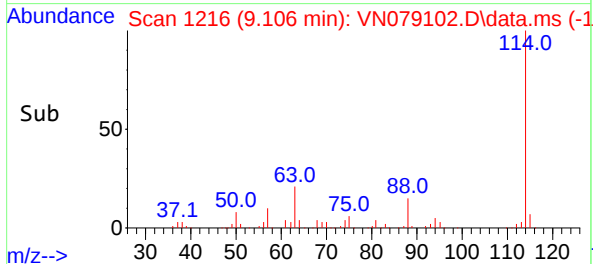
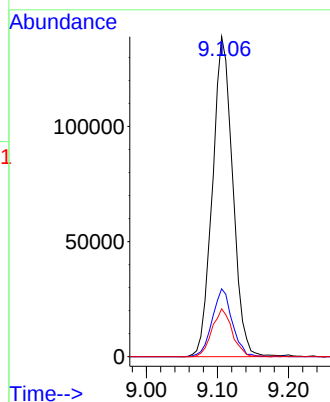
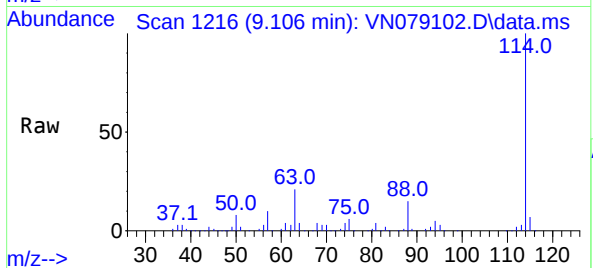




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

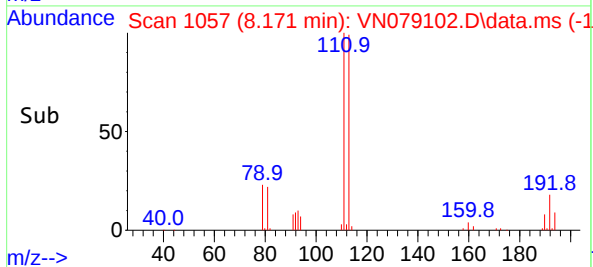
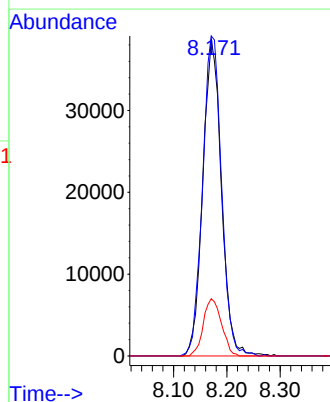
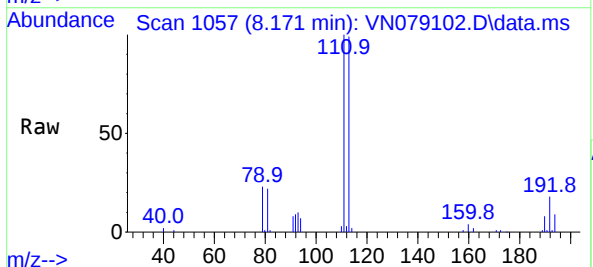
Instrument :
MSVOA_N
ClientSampleId :

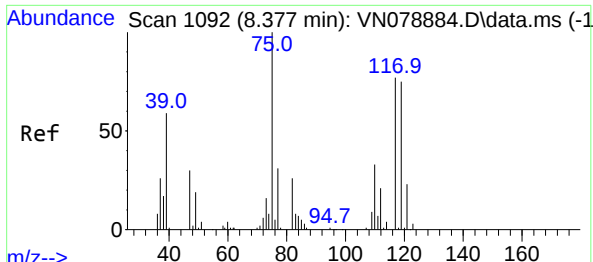
Tgt Ion:114 Resp: 274953
Ion Ratio Lower Upper
114 100
63 21.2 0.0 36.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.695 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

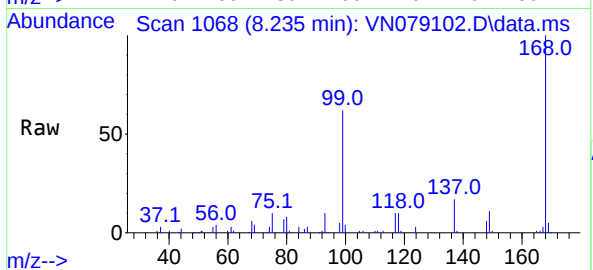
Tgt Ion:113 Resp: 93828
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 17.6 12.7 19.1



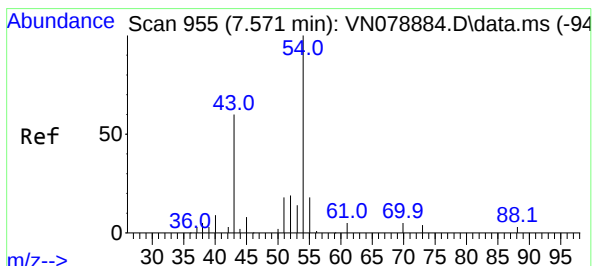
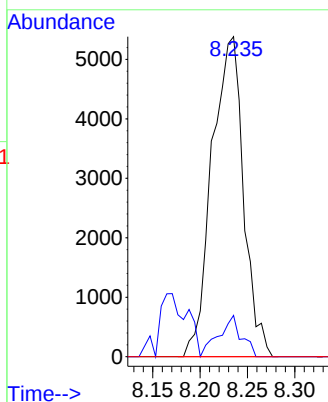
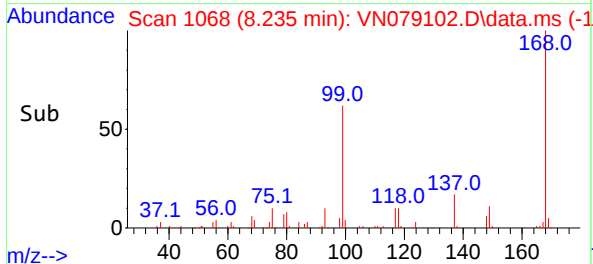


#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

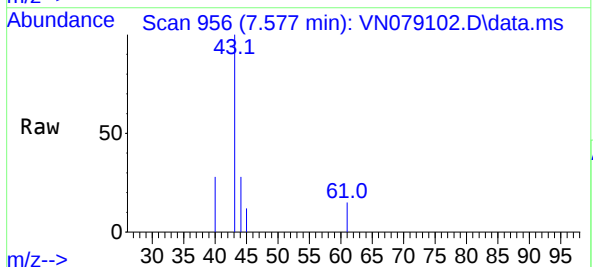
Instrument :
MSVOA_N
ClientSampleId :



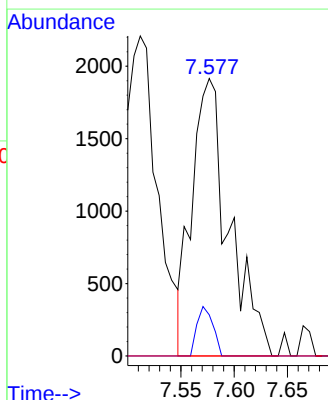
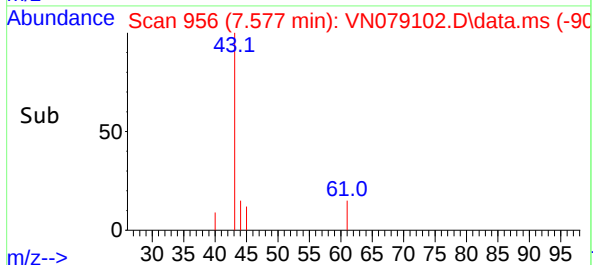
Tgt Ion: 75 Resp: 12484
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#

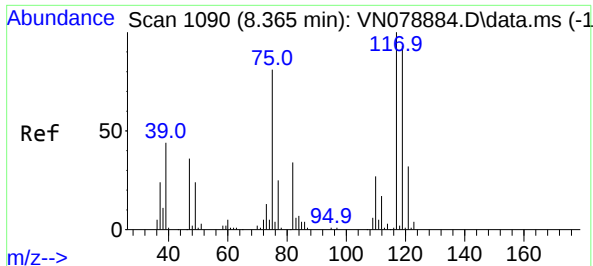


#37
Ethyl Acetate
Concen: 1.486 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31



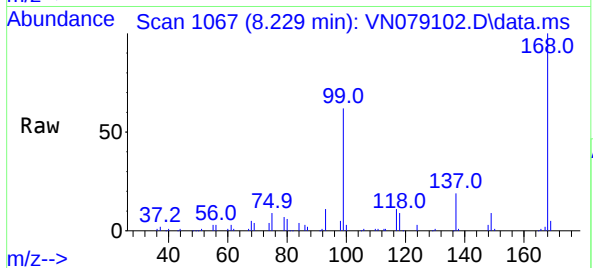
Tgt Ion: 43 Resp: 4628
Ion Ratio Lower Upper
43 100
61 7.7 13.2 19.8#
70 0.0 11.3 16.9#



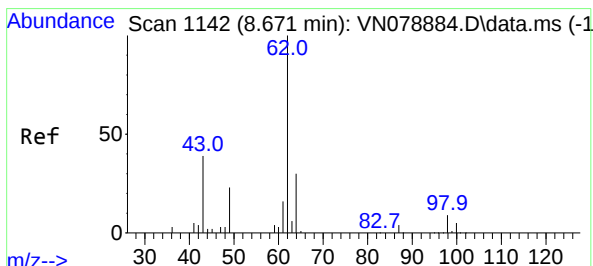
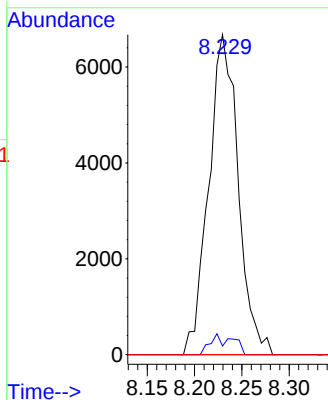
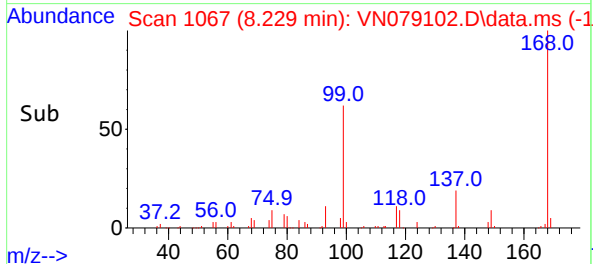


#38
Carbon Tetrachloride
Concen: 5.193 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.142 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

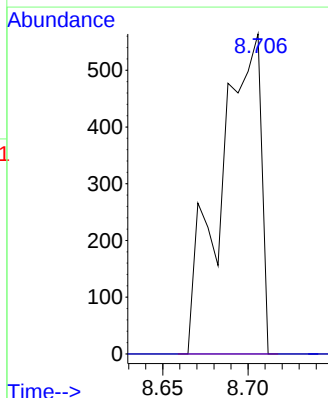
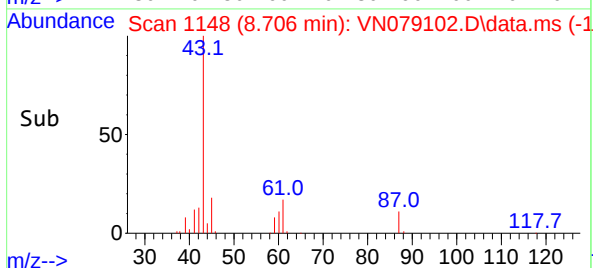
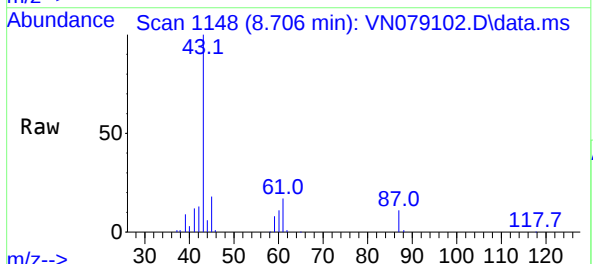


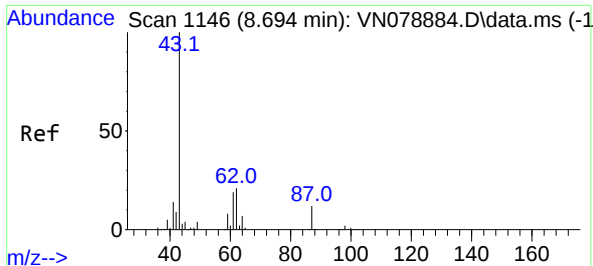
Tgt Ion:117 Resp: 14488
Ion Ratio Lower Upper
117 100
119 2.7 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.029 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

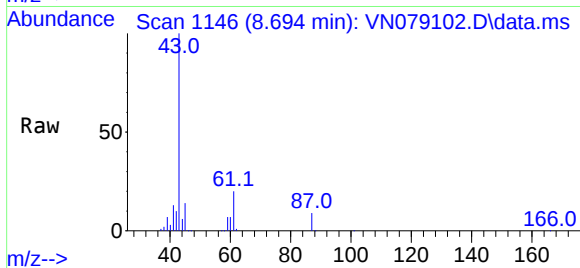
Tgt Ion: 62 Resp: 933
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



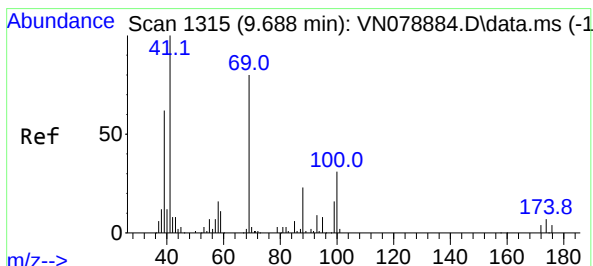
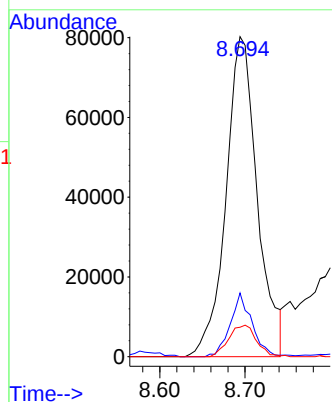
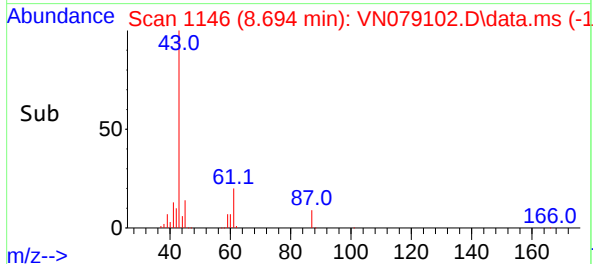


#43
Isopropyl Acetate
Concen: 37.265 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

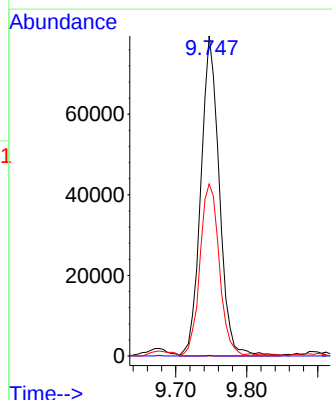
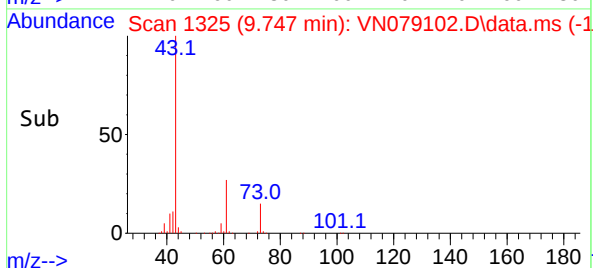
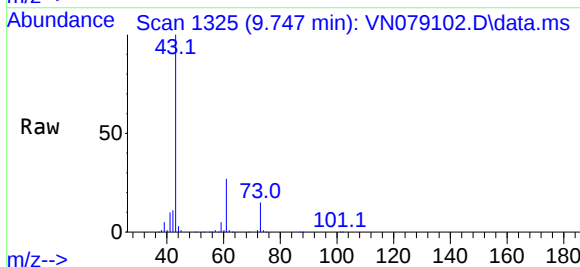


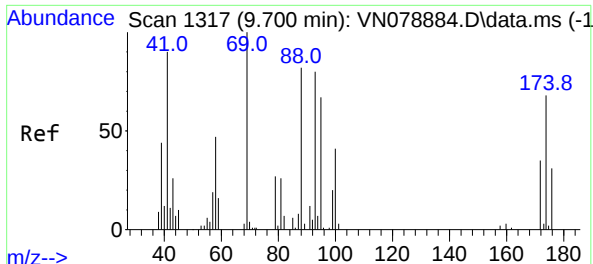
Tgt Ion: 43 Resp: 205175
Ion Ratio Lower Upper
43 100
61 14.0 24.7 37.1#
87 8.7 14.6 21.8#



#48
Methyl methacrylate
Concen: 57.660 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 41 Resp: 143859
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.3 54.6 81.8

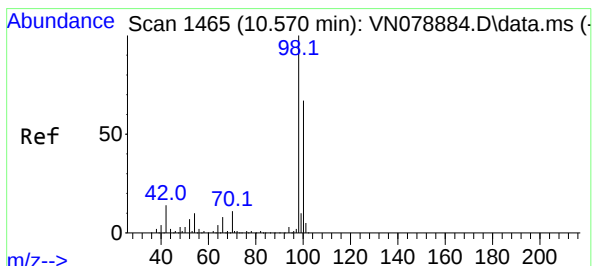
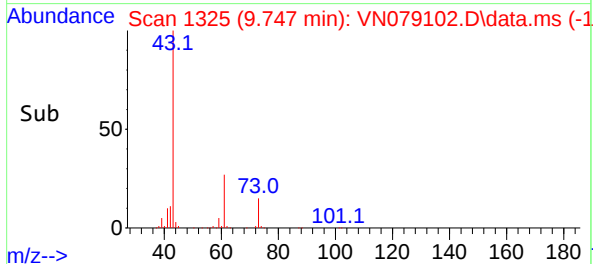
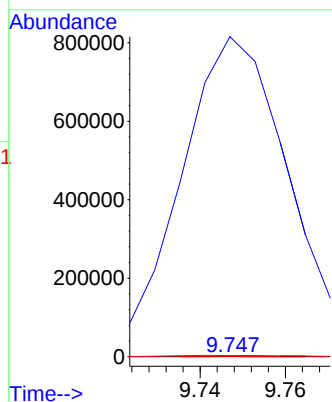
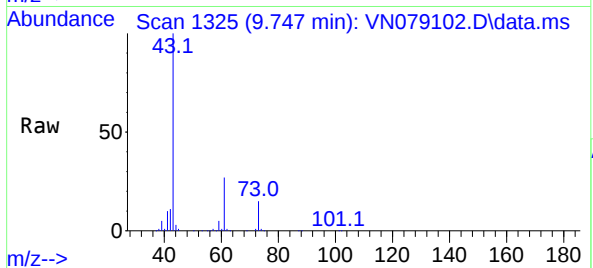




#49
1,4-Dioxane
Concen: 2.212 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

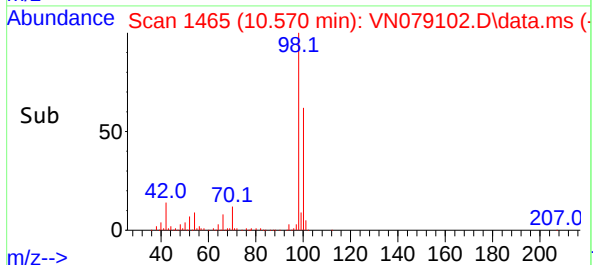
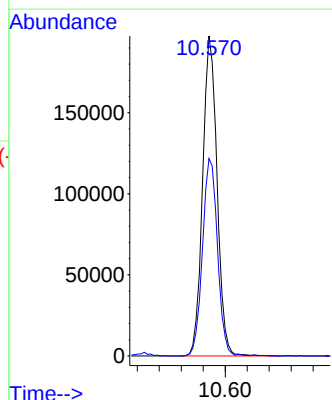
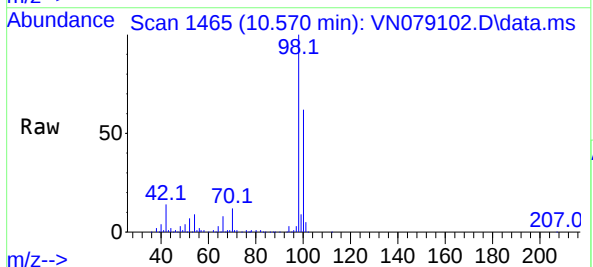
Instrument :
MSVOA_N
ClientSampleId :

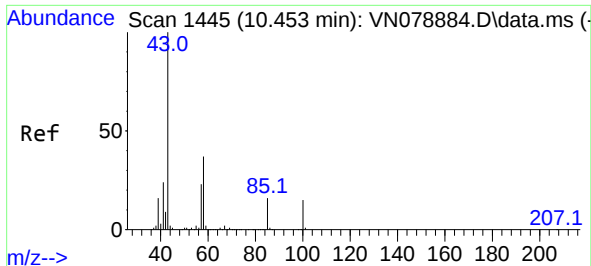
Tgt Ion: 88 Resp: 94
Ion Ratio Lower Upper
88 100
43 1574376.6 17.0 25.6#
58 7241.5 47.0 70.4#



#50
Toluene-d8
Concen: 52.332 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

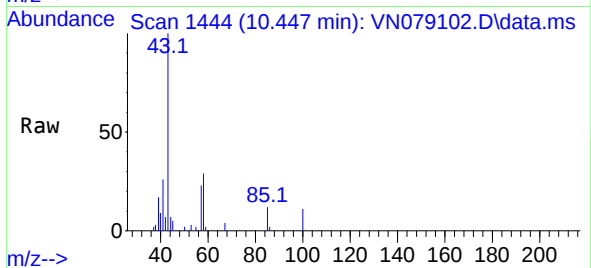
Tgt Ion: 98 Resp: 359641
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



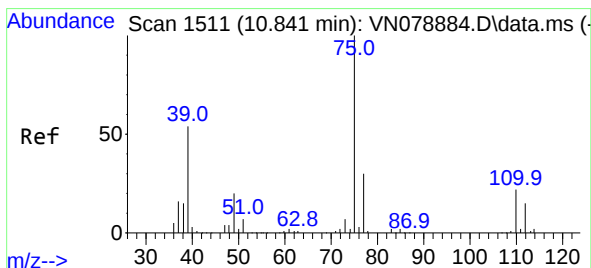
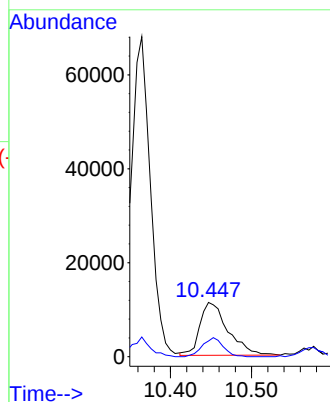
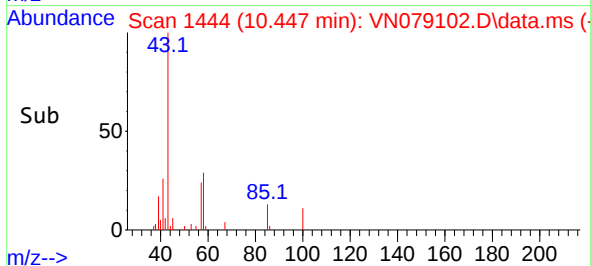


#51
4-Methyl-2-Pentanone
Concen: 8.271 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

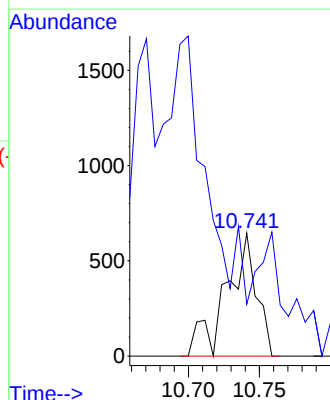
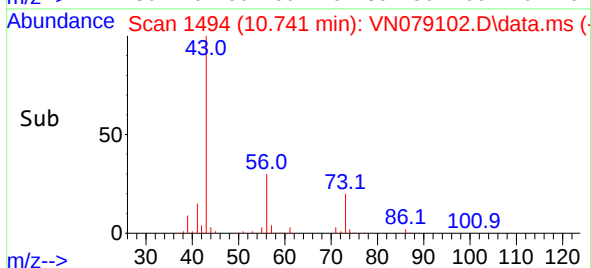
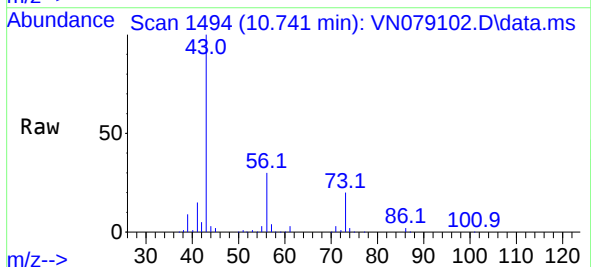


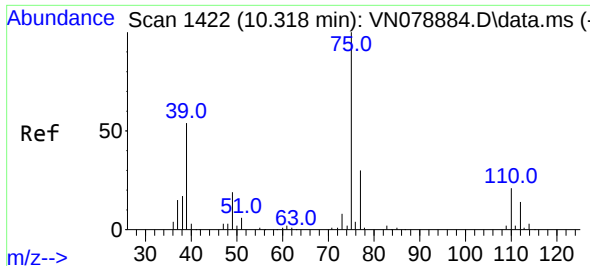
Tgt Ion: 43 Resp: 27008
Ion Ratio Lower Upper
43 100
58 26.6 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.300 ug/l
RT: 10.741 min Scan# 1494
Delta R.T. -0.100 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 75 Resp: 956
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.0#

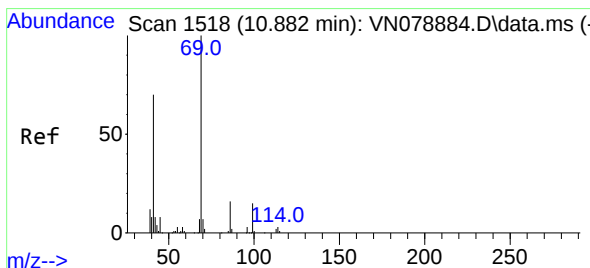
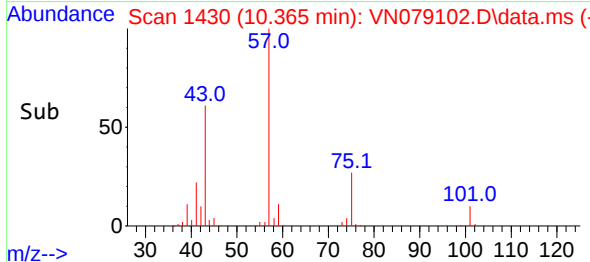
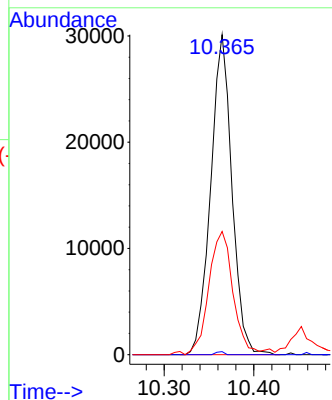
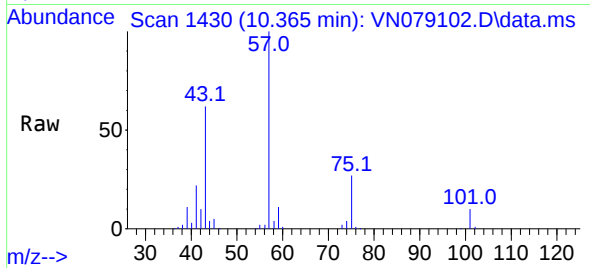




#54
cis-1,3-Dichloropropene
Concen: 14.290 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

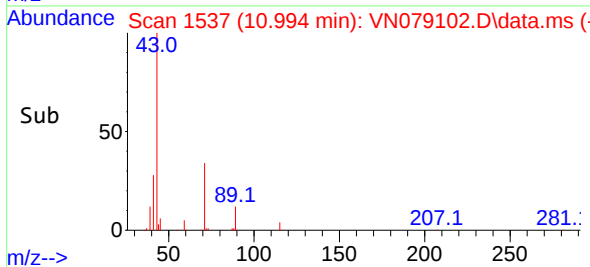
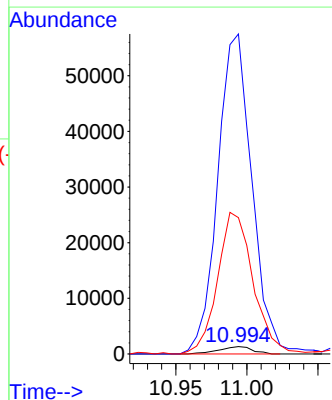
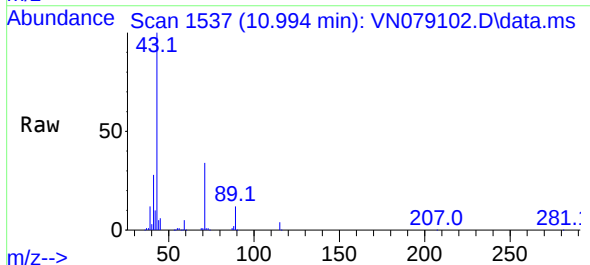
Instrument :
MSVOA_N
ClientSampleId :

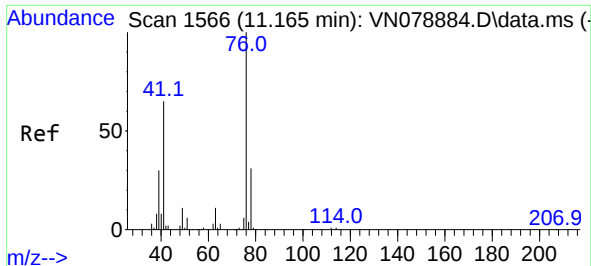
Tgt Ion: 75 Resp: 49527
Ion Ratio Lower Upper
75 100
77 0.9 26.1 39.1#
39 37.5 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.688 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 69 Resp: 2161
Ion Ratio Lower Upper
69 100
41 4476.8 39.6 59.4#
39 2051.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 2.117 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079102.D

Acq: 29 Aug 2023 18:31

Instrument :

MSVOA_N

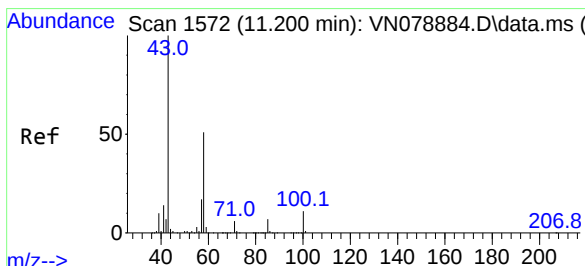
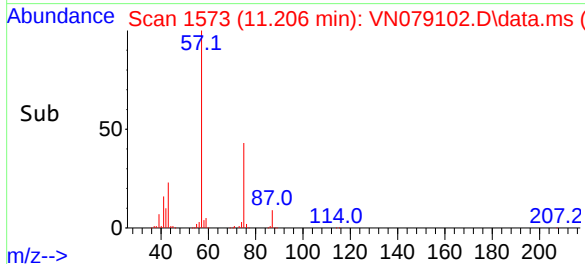
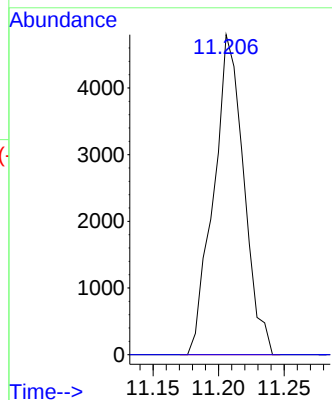
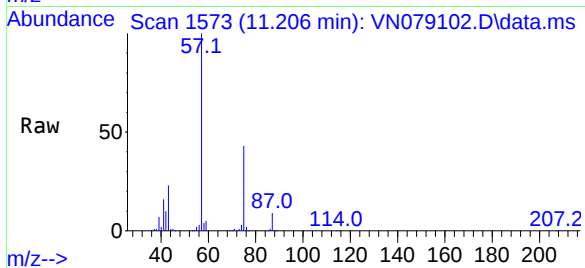
ClientSampleId :

Tgt Ion: 76 Resp: 7670

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.485 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079102.D

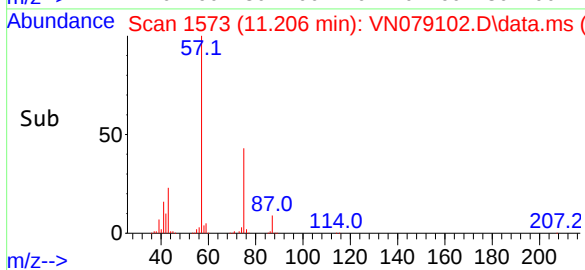
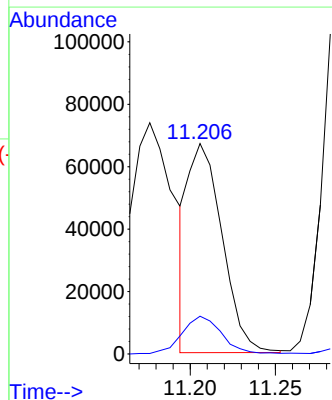
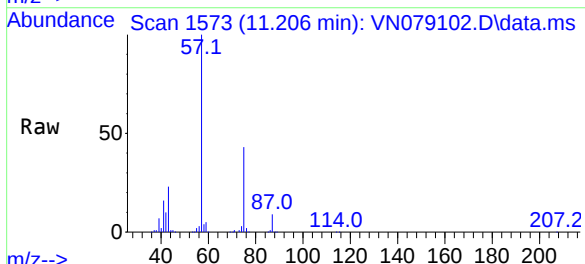
Acq: 29 Aug 2023 18:31

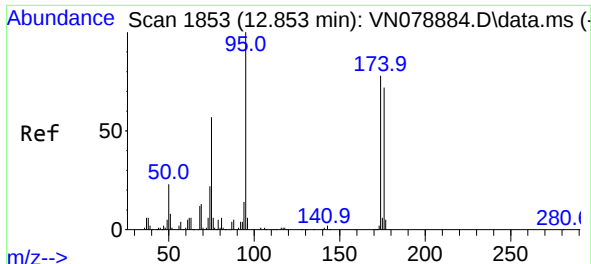
Tgt Ion: 43 Resp: 93390

Ion Ratio Lower Upper

43 100

58 21.2 31.7 95.1#

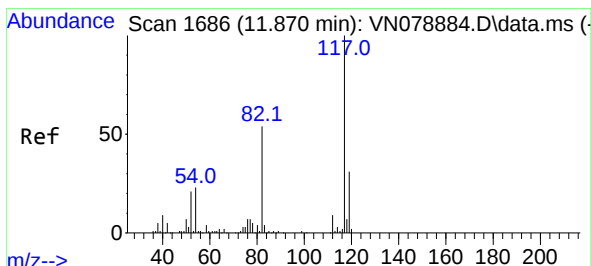
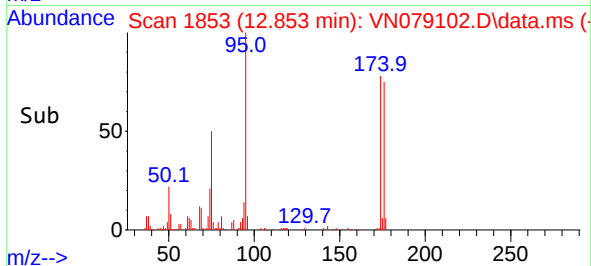
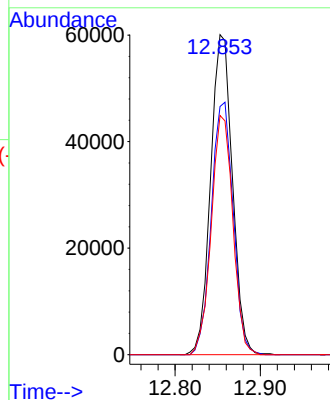
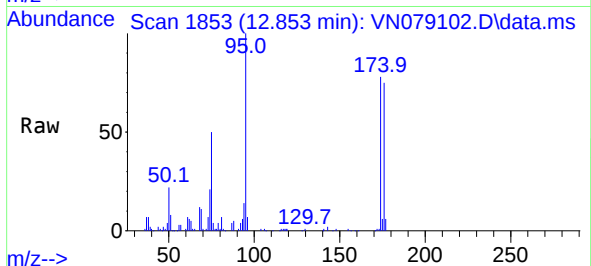




#62
4-Bromofluorobenzene
Concen: 47.431 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

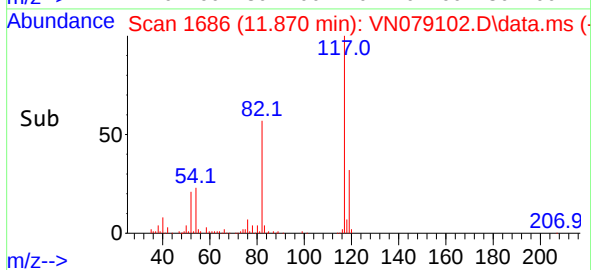
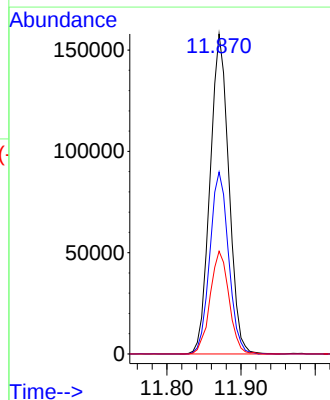
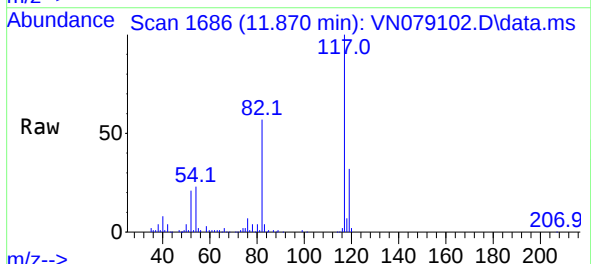
Instrument :
MSVOA_N
ClientSampleId :

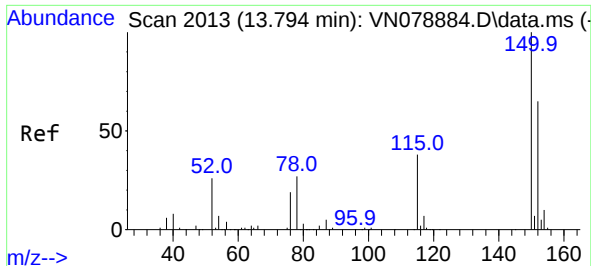
Tgt Ion: 95 Resp: 106543
Ion Ratio Lower Upper
95 100
174 79.1 0.0 143.8
176 74.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 117 Resp: 277765
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 32.1 25.6 38.4

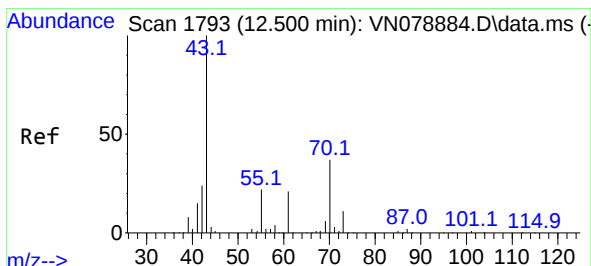
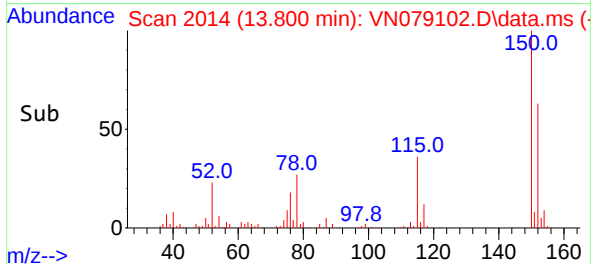
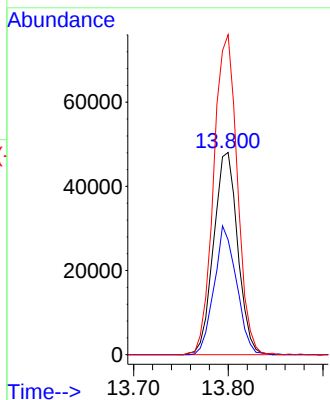
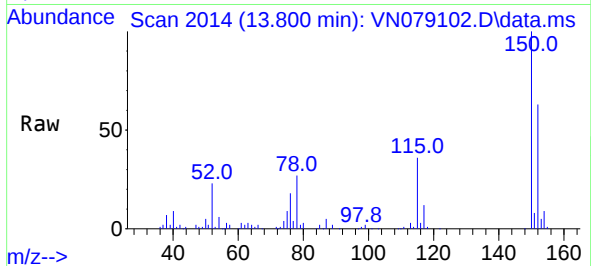




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

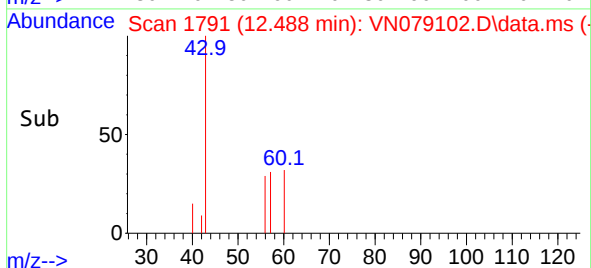
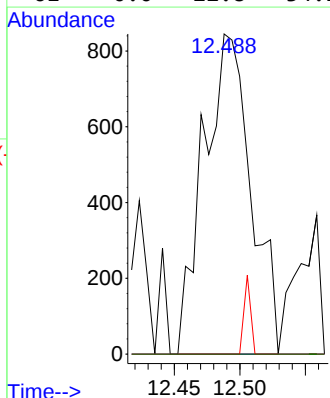
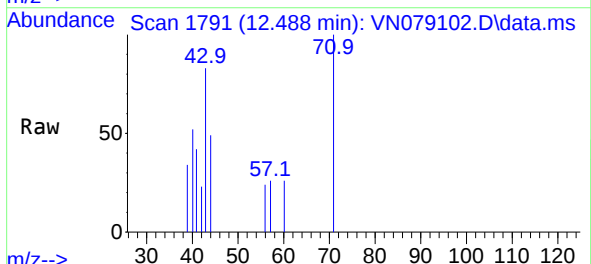
Instrument :
MSVOA_N
ClientSampleId :

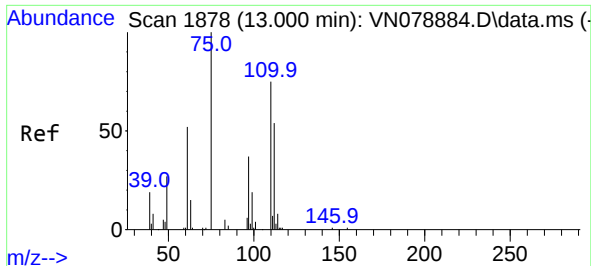
Tgt Ion:152 Resp: 84886
Ion Ratio Lower Upper
152 100
115 59.4 32.3 96.8
150 155.6 0.0 355.8



#74
N-amy1 acetate
Concen: 0.593 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.4 21.4 32.0#
61 0.0 22.8 34.2#

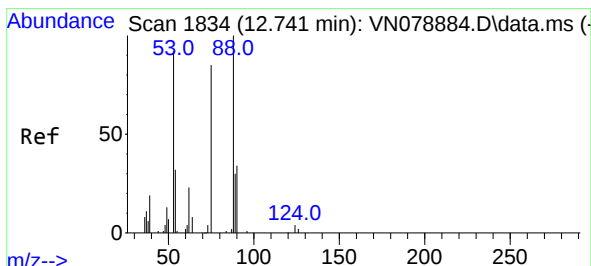
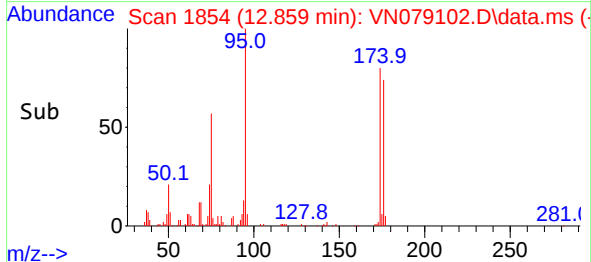
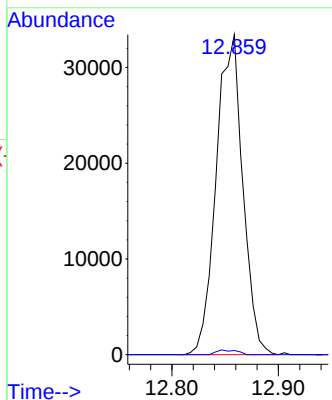
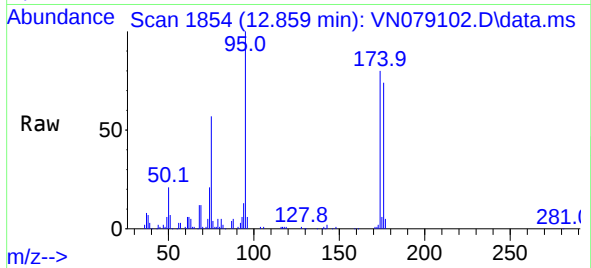




#76
1,2,3-Trichloropropane
Concen: 28.225 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

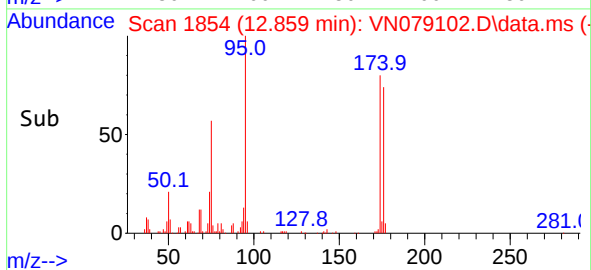
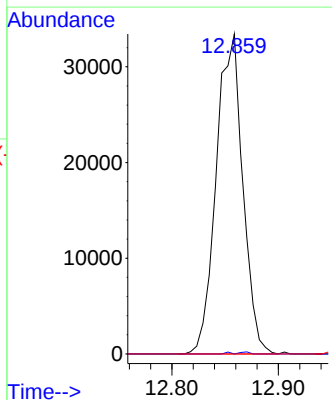
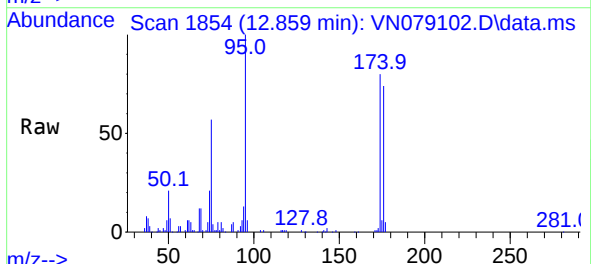
Instrument :
MSVOA_N
ClientSampleId :

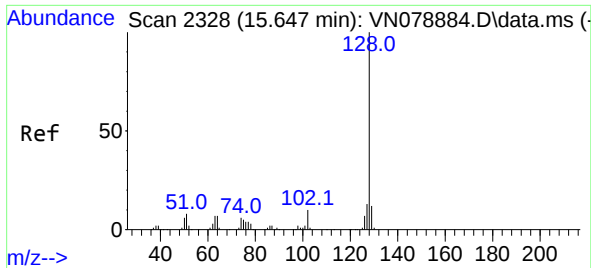
Tgt Ion: 75 Resp: 57730
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.103 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

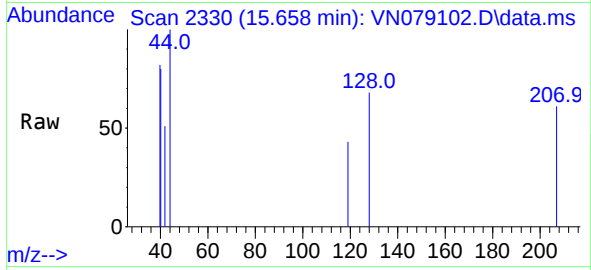
Tgt Ion: 75 Resp: 57730
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.630 ug/l
RT: 15.658 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN079102.D
Acq: 29 Aug 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 228
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

