

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079937.D
 Acq On : 06 Nov 2023 20:56
 Operator : JC\MD
 Sample : PB156885ZHE#20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:55:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

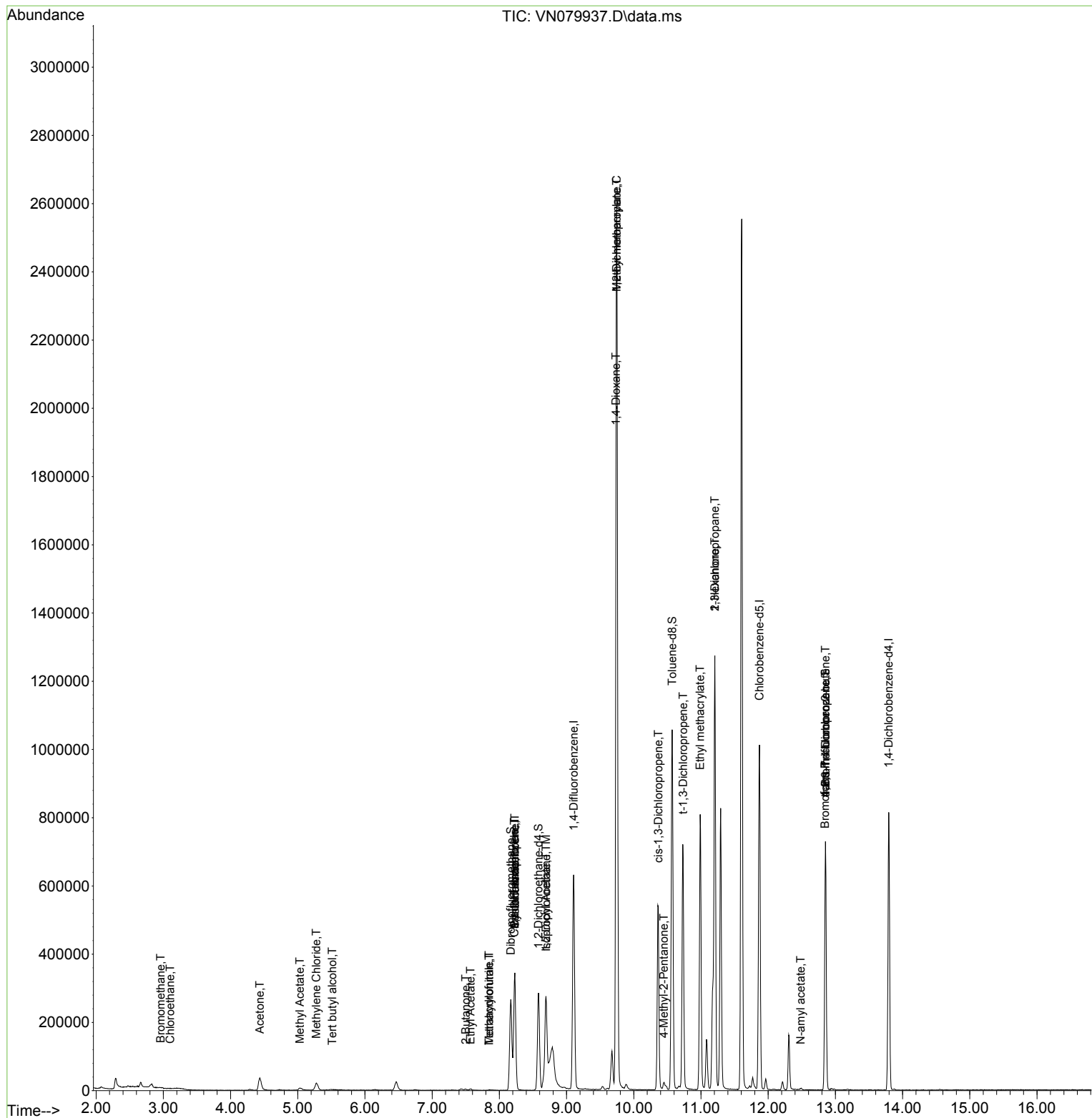
Internal Standards						
1) Pentafluorobenzene	8.230	168	233396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	522851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	567890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	229704	64.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 129.200%#			
35) Dibromofluoromethane	8.171	113	189841	51.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	10.571	98	721710	52.977	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.853	95	244363	54.086	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.180%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1115	Below Cal	#	42
5) Bromomethane	2.959	94	548	0.245	ug/l	90
6) Chloroethane	3.100	64	613	0.211	ug/l #	43
11) Tert butyl alcohol	5.512	59	1595	3.514	ug/l #	72
16) Acetone	4.436	43	69273	55.461	ug/l	95
18) Methyl Acetate	5.030	43	15300	2.560	ug/l #	81
20) Methylene Chloride	5.277	84	16238	5.152	ug/l #	81
25) 2-Butanone	7.500	43	6470	3.537	ug/l #	72
29) Tetrahydrofuran	7.847	42	574	0.482	ug/l #	66
31) Cyclohexane	8.230	56	6309	1.343	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	21540	4.077	ug/l #	48
37) Ethyl Acetate	7.571	43	6697	1.382	ug/l #	79
38) Carbon Tetrachloride	8.224	117	26033	4.889	ug/l #	16
41) Methacrylonitrile	7.847	41	643	0.250	ug/l #	19
42) 1,2-Dichloroethane	8.694	62	1989	0.360	ug/l	82
43) Isopropyl Acetate	8.694	43	342609	40.316	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	3056	0.756	ug/l #	45
48) Methyl methacrylate	9.747	41	242208	65.070	ug/l #	28
49) 1,4-Dioxane	9.735	88	504	7.663	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21861	4.569	ug/l #	70
53) t-1,3-Dichloropropene	10.735	75	1727	0.299	ug/l #	80
54) cis-1,3-Dichloropropene	10.365	75	90676	14.409	ug/l #	72
56) Ethyl methacrylate	10.988	69	4993	0.928	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12157	1.828	ug/l #	42
59) 2-Hexanone	11.206	43	154089	42.101	ug/l #	49
71) Bromoform	12.847	173	1311	0.416	ug/l #	1
74) N-amyl acetate	12.482	43	2803	0.406	ug/l #	44
76) 1,2,3-Trichloropropane	12.853	75	132027	26.966	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	132027	73.367	ug/l #	15

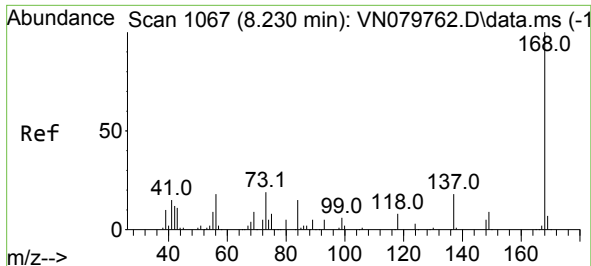
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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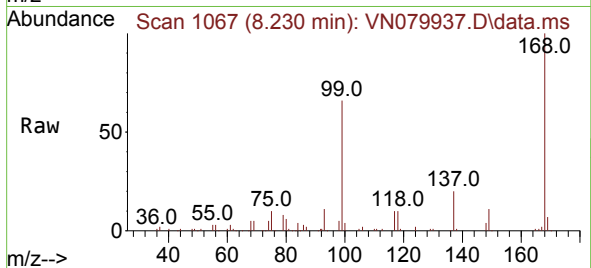
Quant Time: Nov 07 04:55:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
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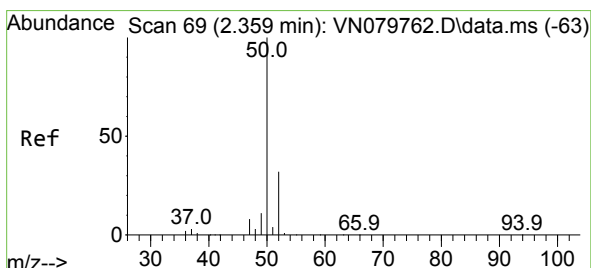
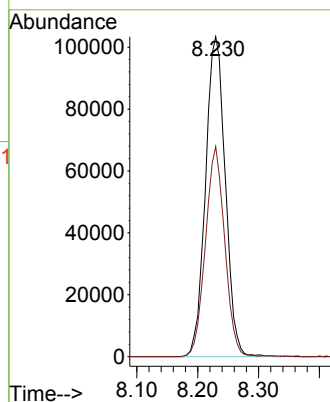
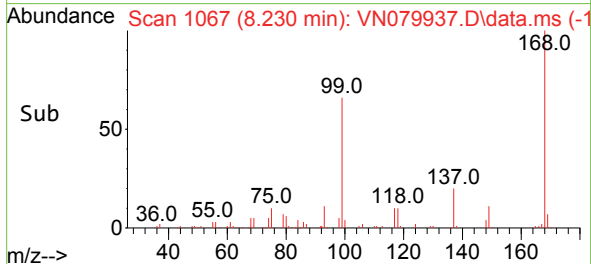


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Instrument :
MSVOA_N
ClientSampleId :

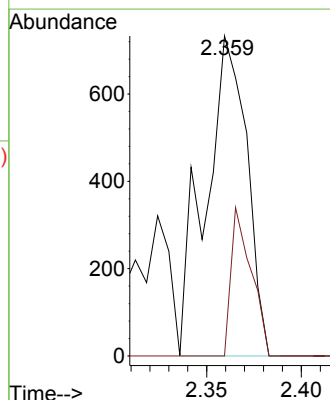
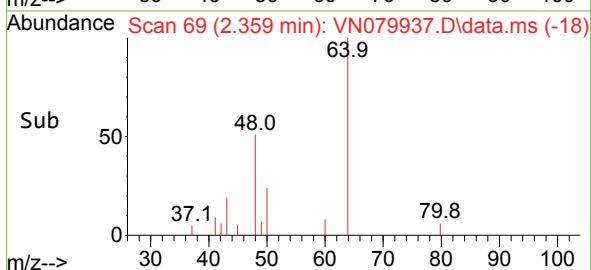
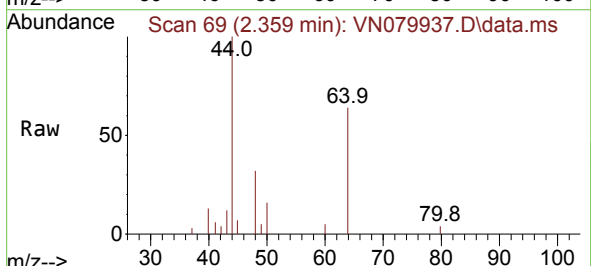


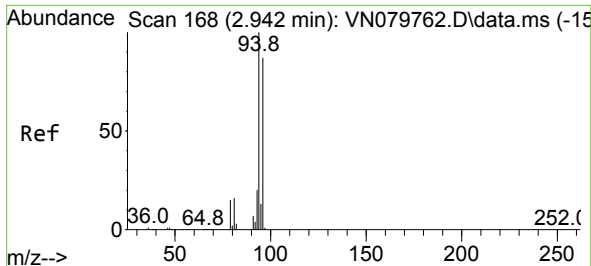
Tgt Ion:168 Resp: 233396
Ion Ratio Lower Upper
168 100
99 65.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Tgt Ion: 50 Resp: 1115
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

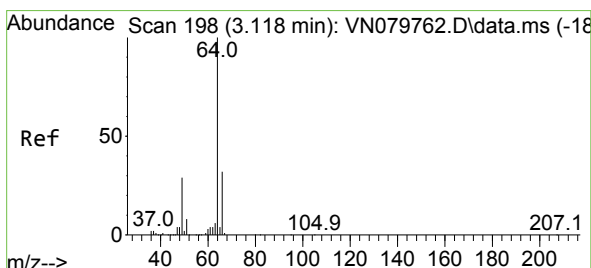
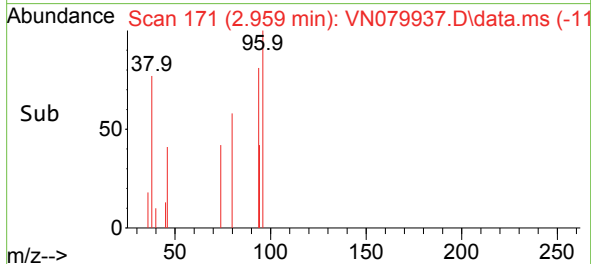
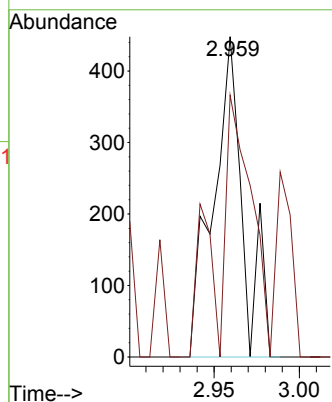
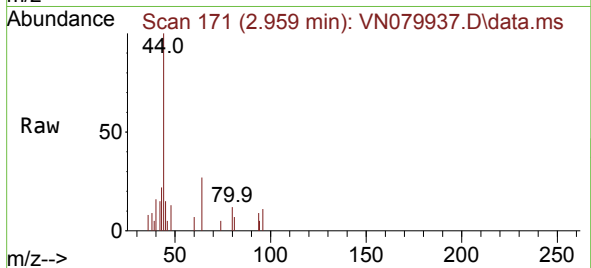




#5
Bromomethane
Concen: 0.245 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

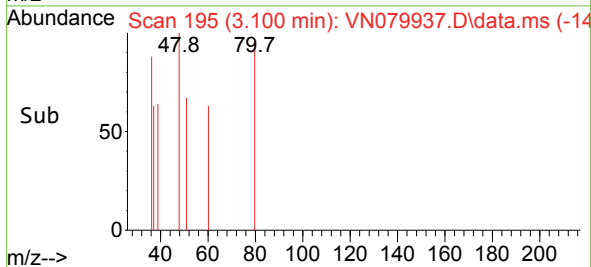
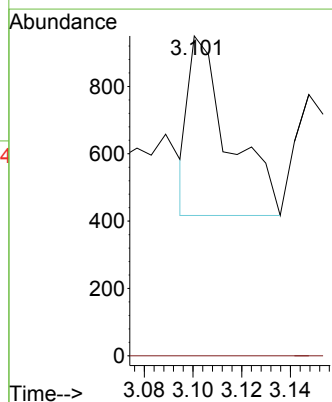
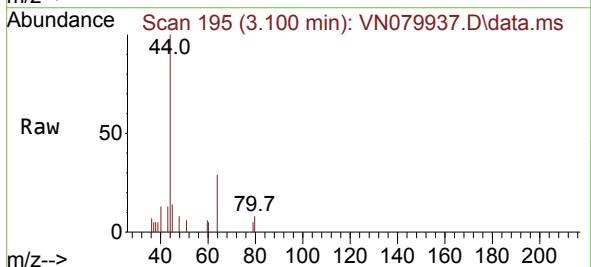
Instrument :
MSVOA_N
ClientSampleId :

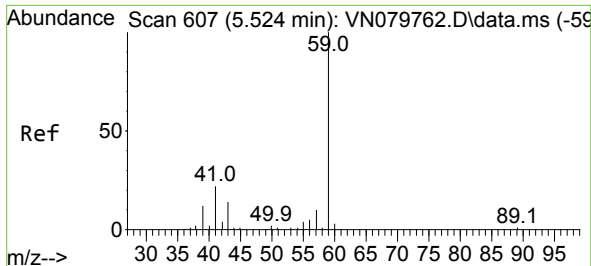
Tgt Ion: 94 Resp: 548
Ion Ratio Lower Upper
94 100
96 81.7 73.1 109.7



#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

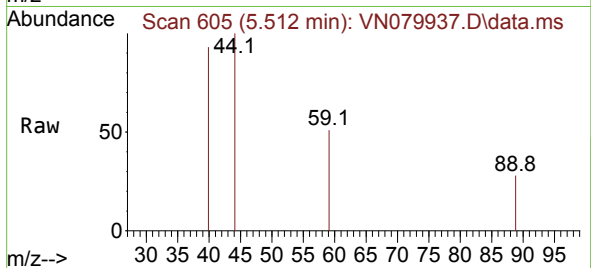
Tgt Ion: 64 Resp: 613
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



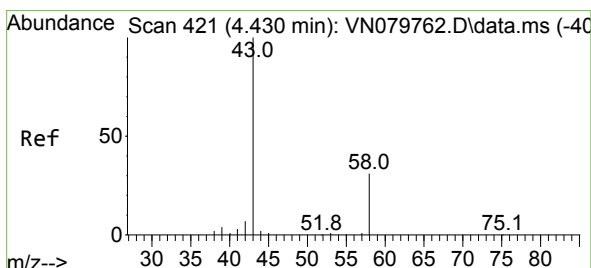
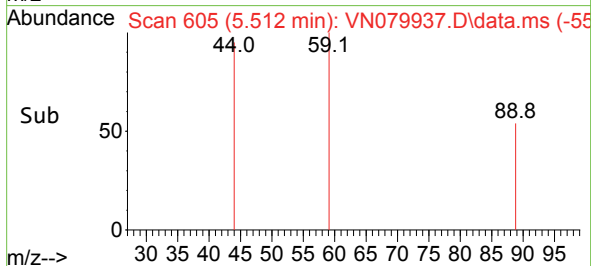
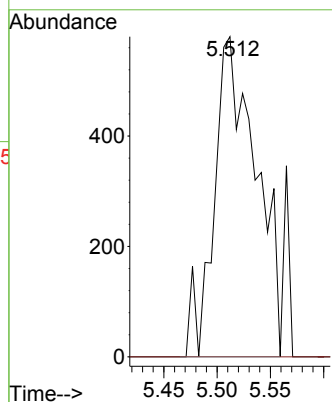


#11
Tert butyl alcohol
Concen: 3.514 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Instrument :
MSVOA_N
ClientSampleId :

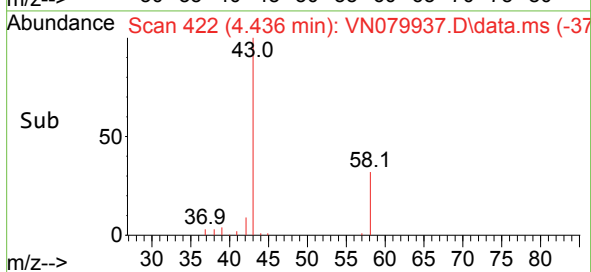
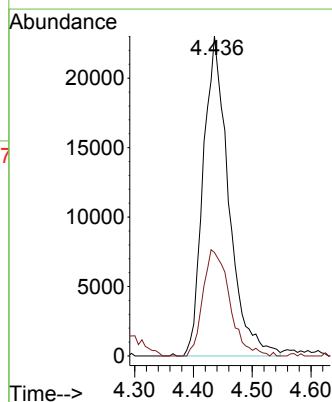
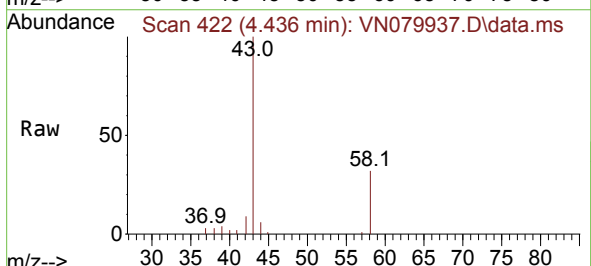


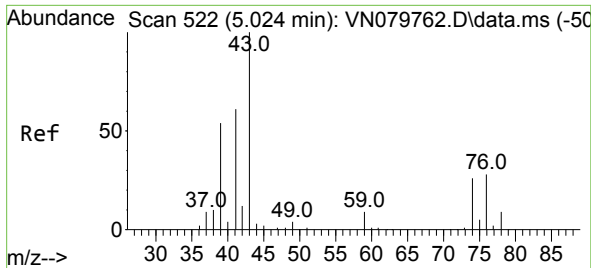
Tgt Ion: 59 Resp: 1595
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 55.461 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Tgt Ion: 43 Resp: 69273
Ion Ratio Lower Upper
43 100
58 32.4 28.0 42.0

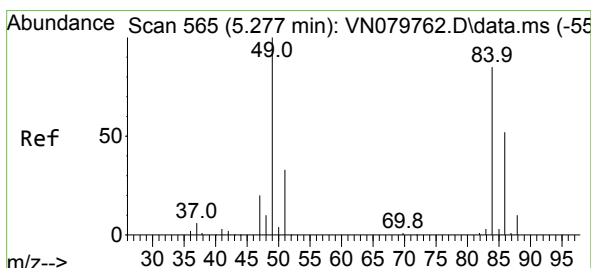
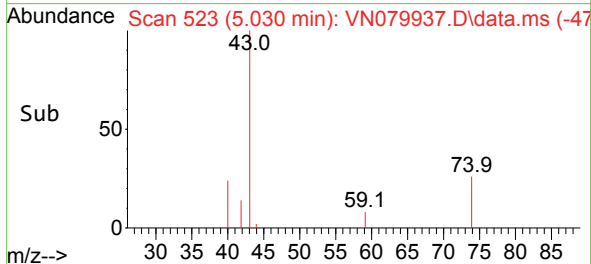
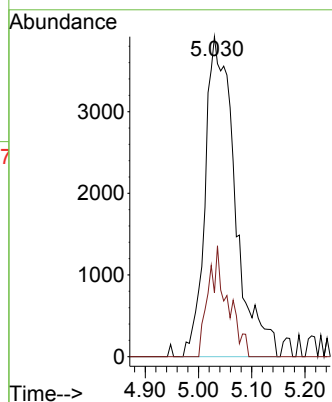
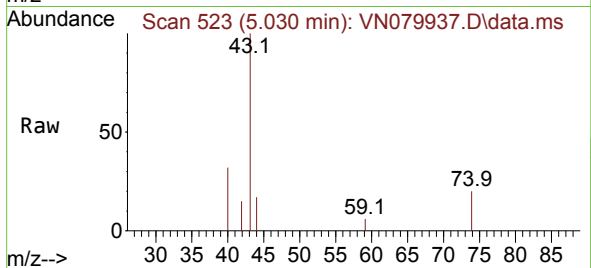




#18
Methyl Acetate
Concen: 2.560 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

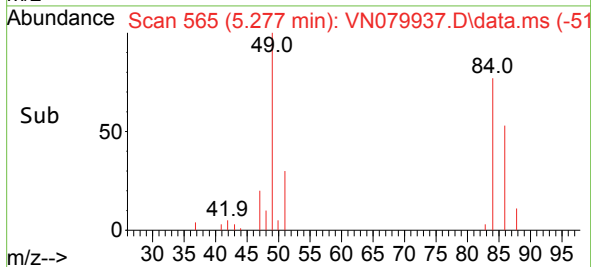
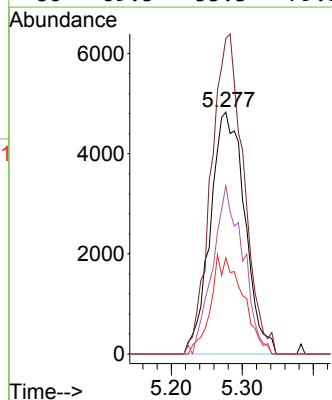
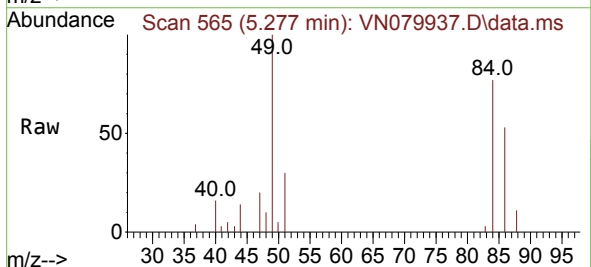
Instrument :
MSVOA_N
ClientSampleId :

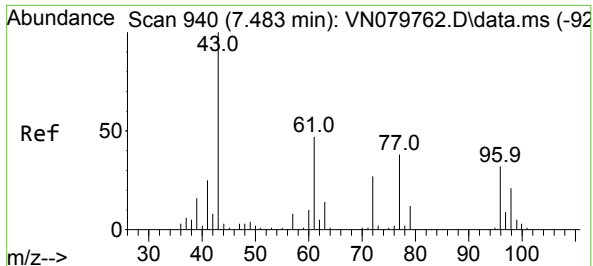
Tgt Ion: 43 Resp: 15300
Ion Ratio Lower Upper
43 100
74 22.2 26.2 39.4#



#20
Methylene Chloride
Concen: 5.152 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Tgt Ion: 84 Resp: 16238
Ion Ratio Lower Upper
84 100
49 130.3 79.7 119.5#
51 39.7 25.2 37.8#
86 69.5 53.3 79.9

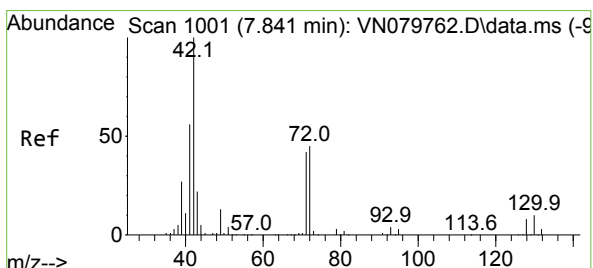
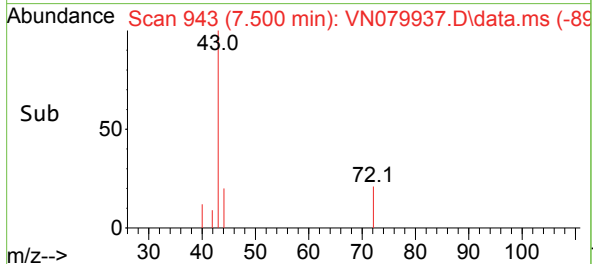
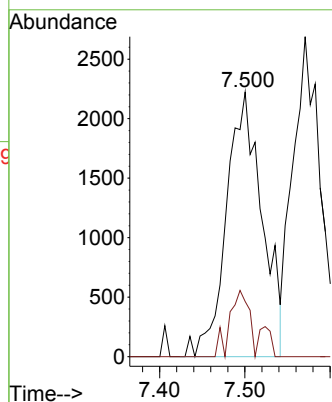
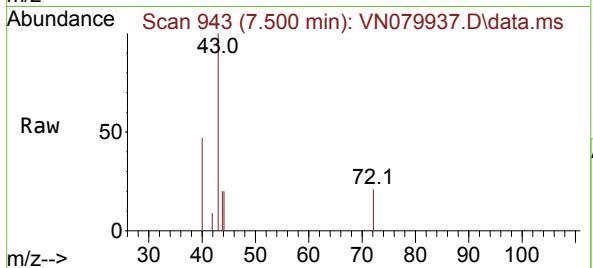




#25
2-Butanone
Concen: 3.537 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

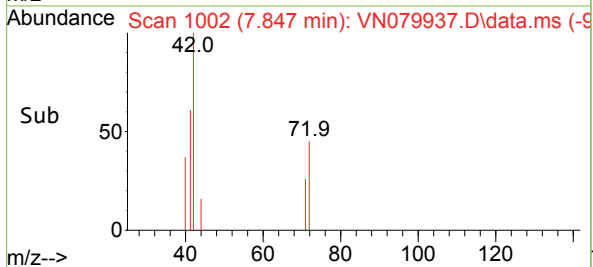
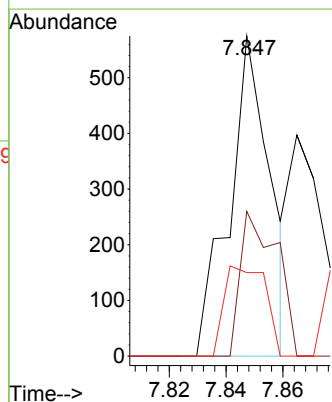
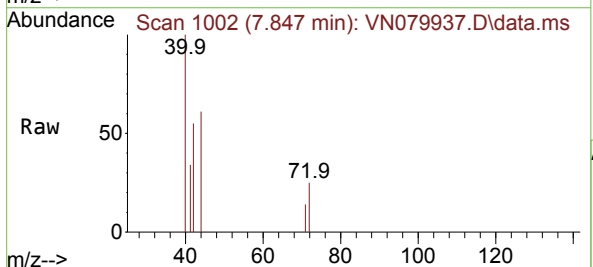
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MSVOA_N
ClientSampleId :

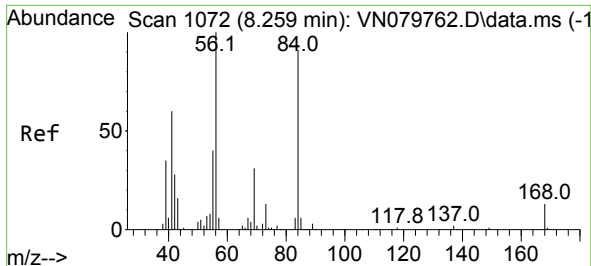
Tgt Ion: 43 Resp: 6470
Ion Ratio Lower Upper
43 100
72 20.9 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

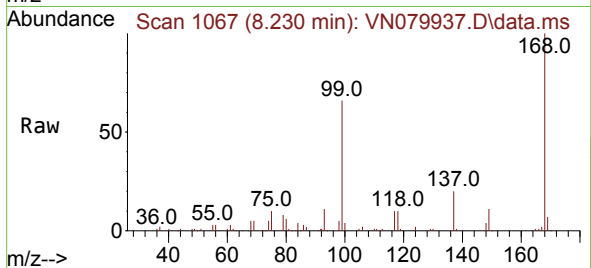
Tgt Ion: 42 Resp: 574
Ion Ratio Lower Upper
42 100
72 40.6 49.8 74.6#
71 28.4 47.4 71.2#



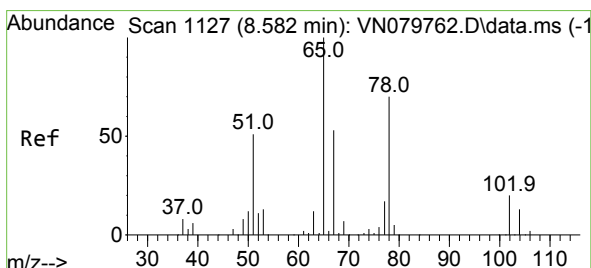
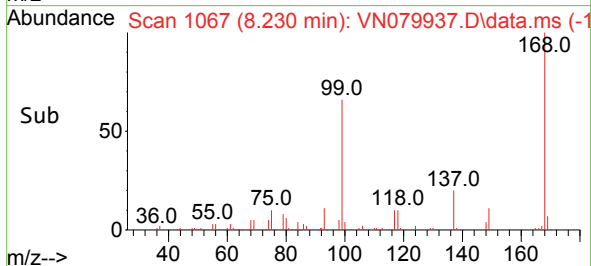
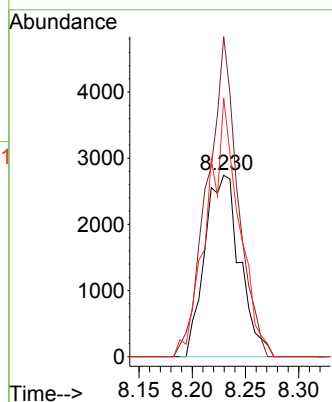


#31
Cyclohexane
Concen: 1.343 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Instrument :
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ClientSampleId :

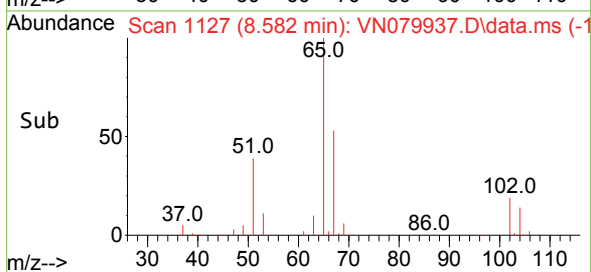
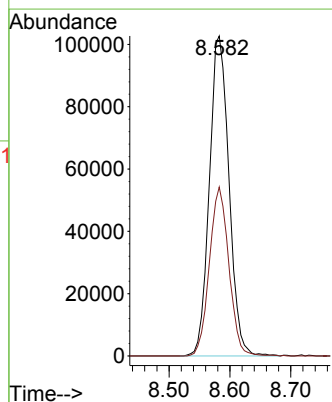
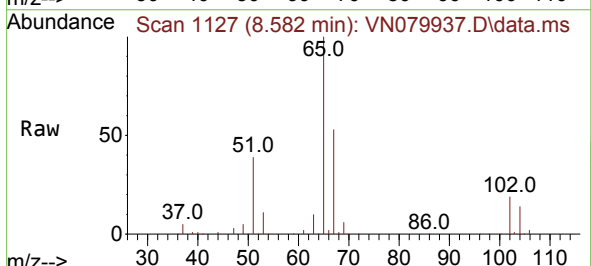


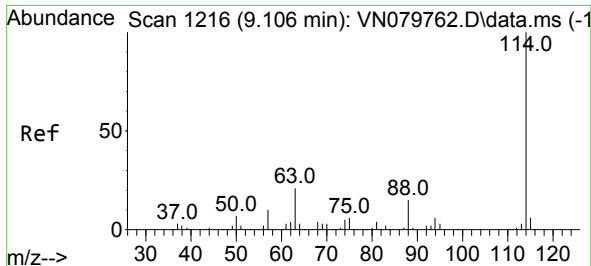
Tgt Ion: 56 Resp: 6309
Ion Ratio Lower Upper
56 100
69 176.5 26.8 40.2#
84 151.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 64.599 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

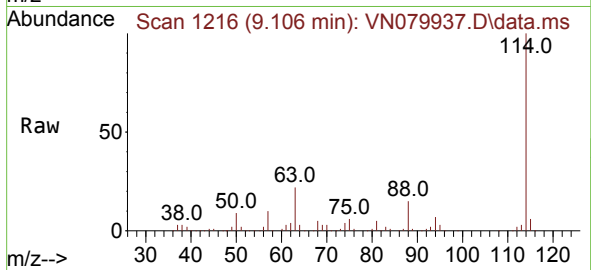
Tgt Ion: 65 Resp: 229704
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6



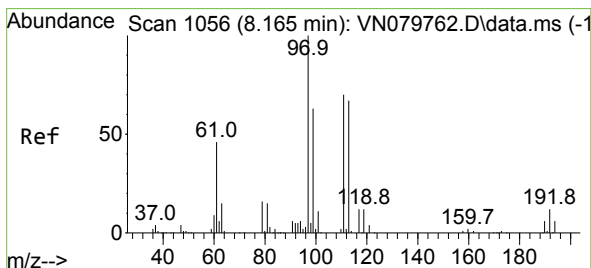
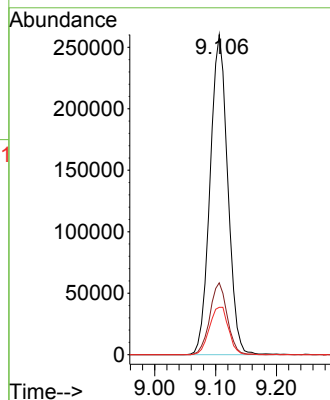
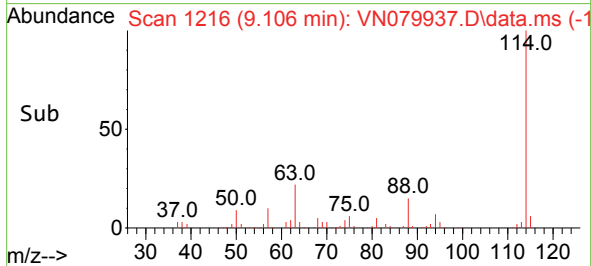


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Instrument :
MSVOA_N
ClientSampleId :

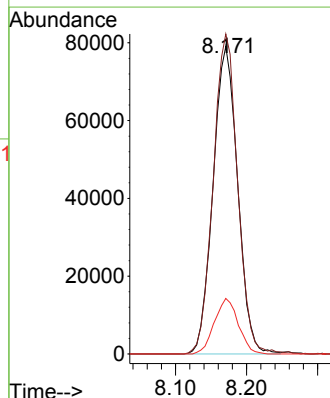
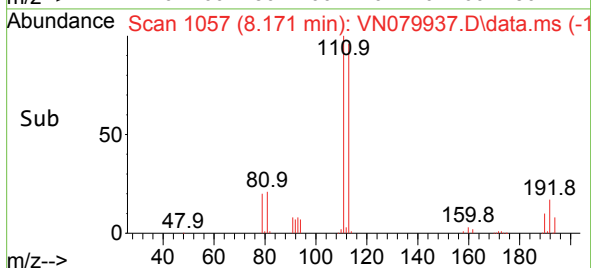
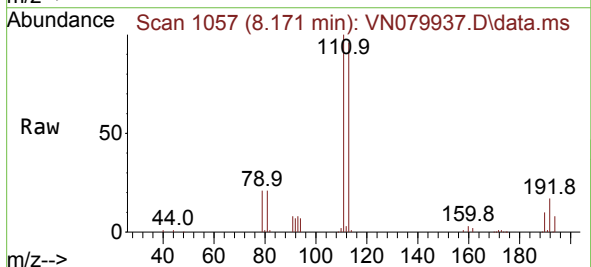


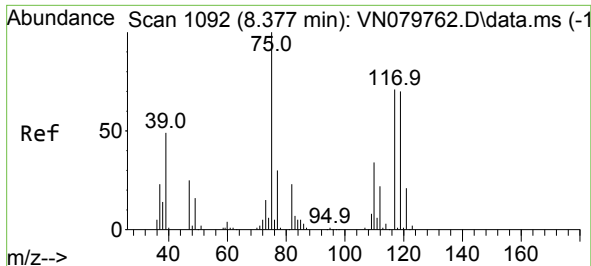
Tgt Ion:114 Resp: 522851
Ion Ratio Lower Upper
114 100
63 22.5 0.0 36.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.301 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

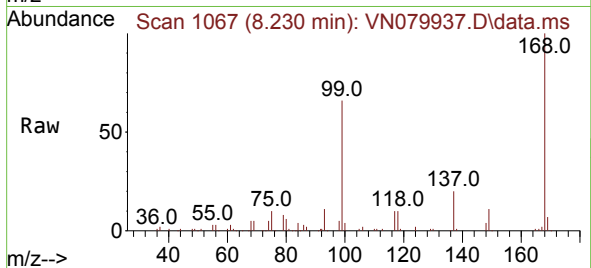
Tgt Ion:113 Resp: 189841
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 17.5 12.7 19.1



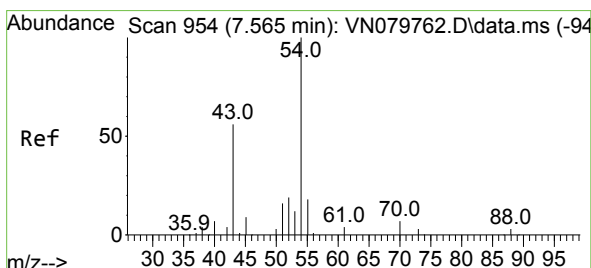
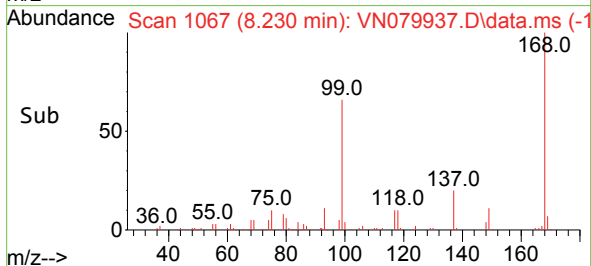
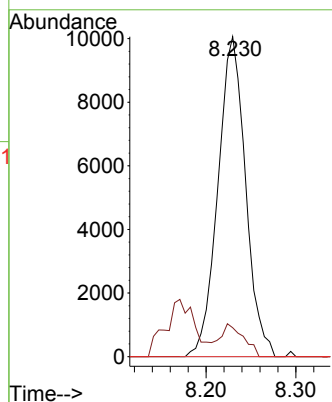


#36
1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Instrument :
MSVOA_N
ClientSampleId :

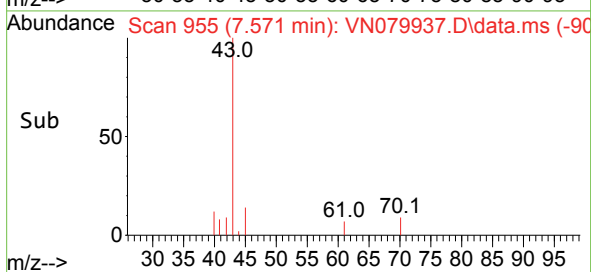
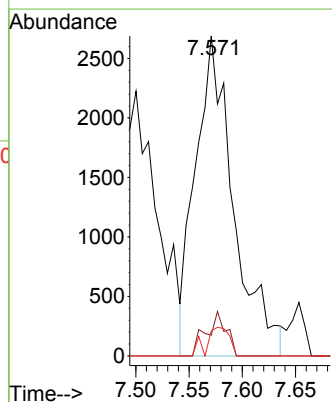
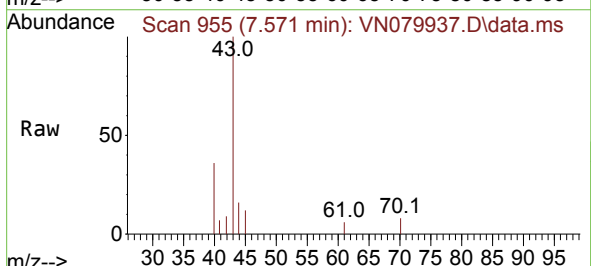


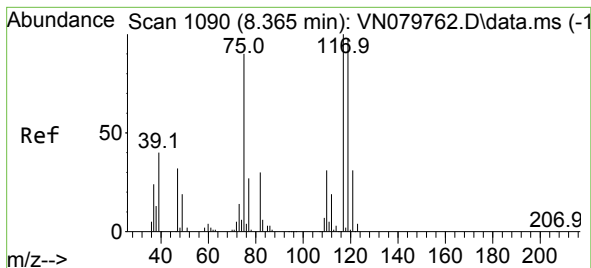
Tgt Ion: 75 Resp: 21540
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.382 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Tgt Ion: 43 Resp: 6697
Ion Ratio Lower Upper
43 100
61 7.3 13.2 19.8#
70 5.3 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.889 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

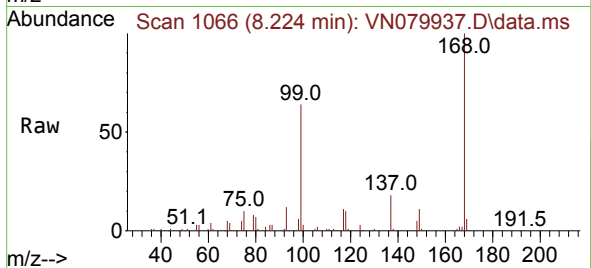
Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Instrument :

MSVOA_N

ClientSampleId :



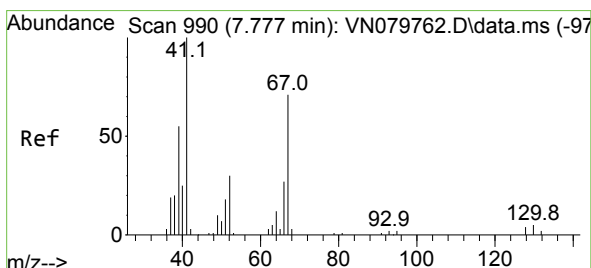
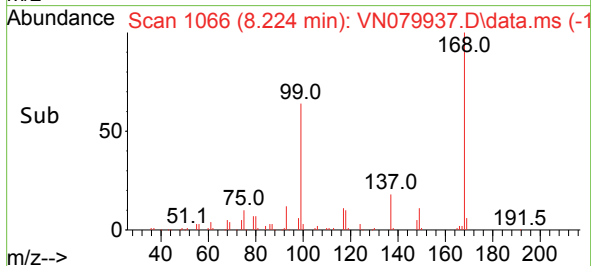
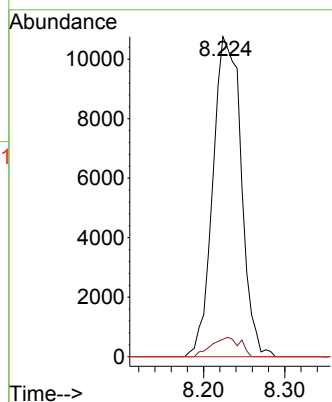
Tgt Ion:117 Resp: 26033

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#



#41

Methacrylonitrile

Concen: 0.250 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.065 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Tgt Ion: 41 Resp: 643

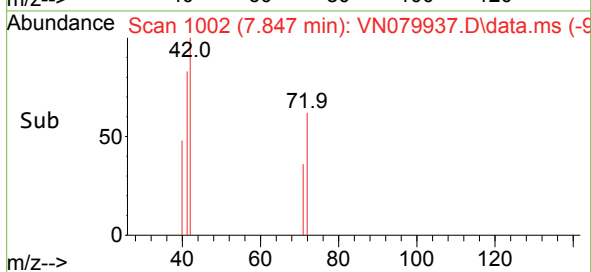
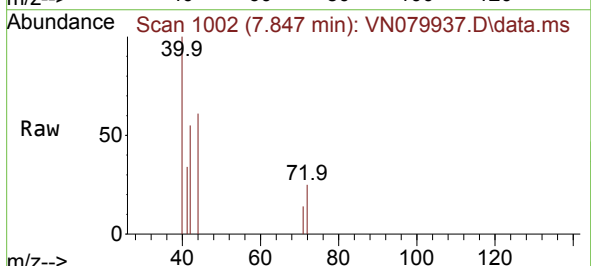
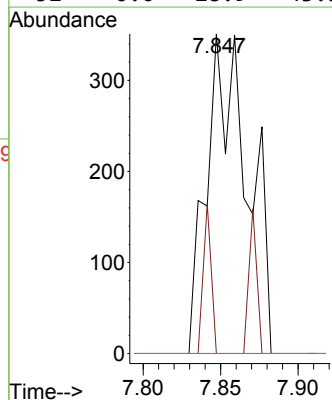
Ion Ratio Lower Upper

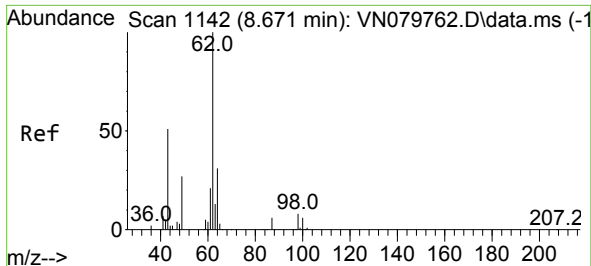
41 100

39 9.0 42.6 64.0#

67 0.0 77.5 116.3#

52 0.0 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.360 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Instrument :

MSVOA_N

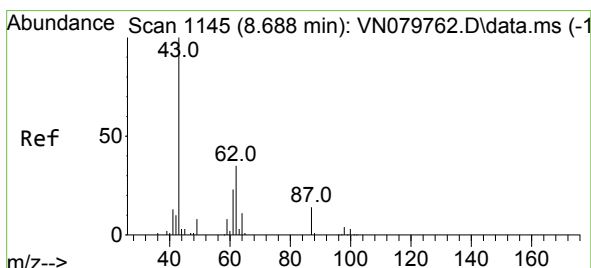
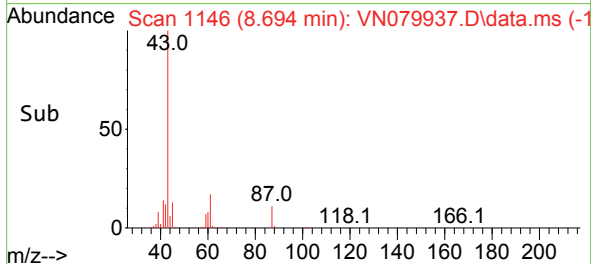
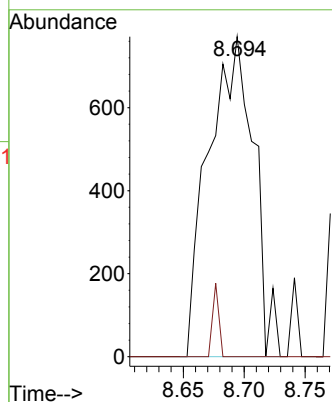
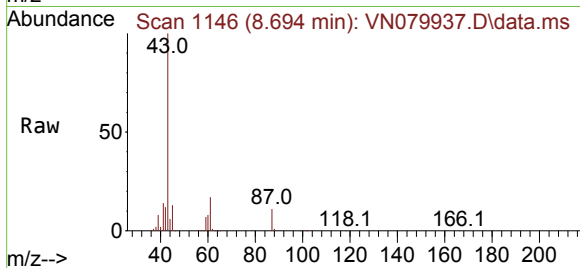
ClientSampleId :

Tgt Ion: 62 Resp: 1989

Ion Ratio Lower Upper

62 100

98 3.1 0.0 19.8



#43

Isopropyl Acetate

Concen: 40.316 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

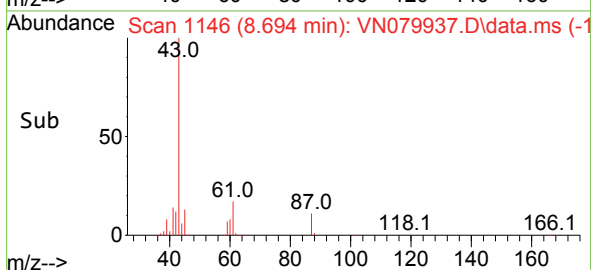
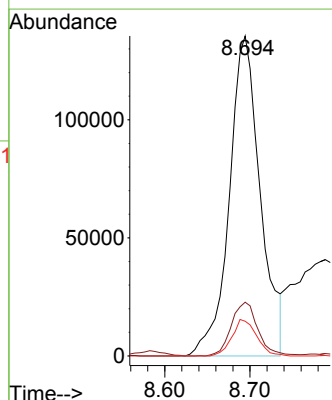
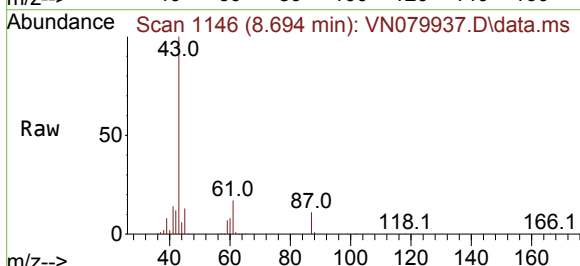
Tgt Ion: 43 Resp: 342609

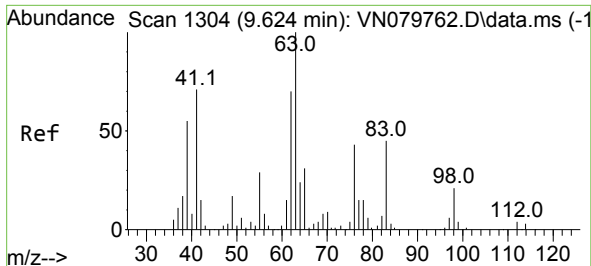
Ion Ratio Lower Upper

43 100

61 14.5 24.7 37.1#

87 9.1 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.756 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Instrument :

MSVOA_N

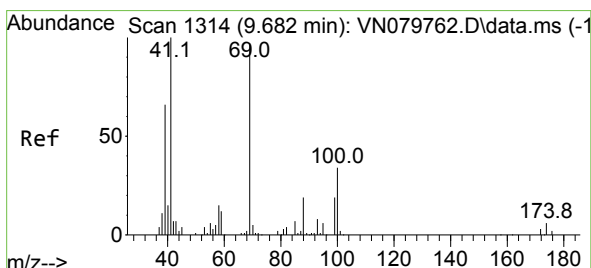
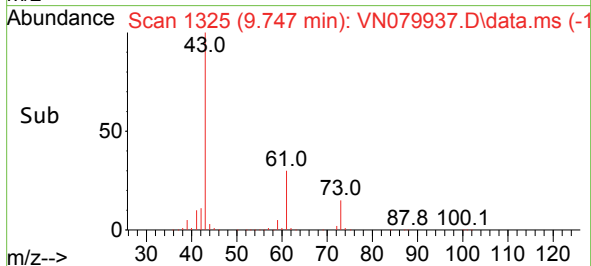
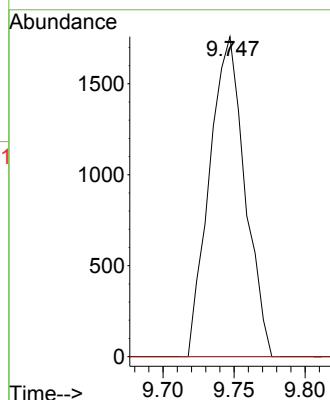
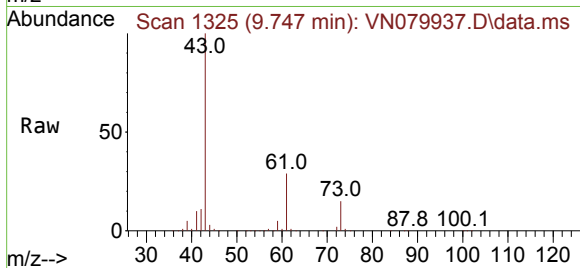
ClientSampleId :

Tgt Ion: 63 Resp: 3056

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 65.070 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

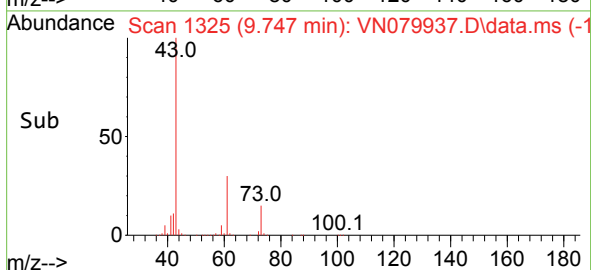
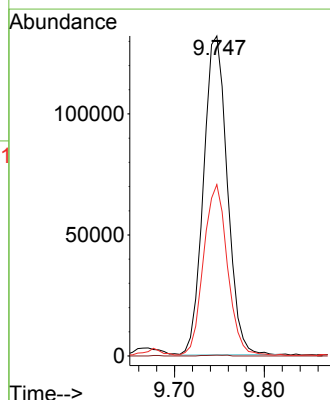
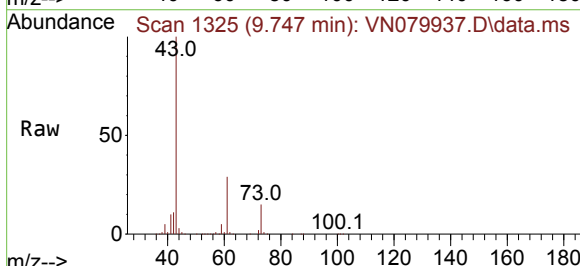
Tgt Ion: 41 Resp: 242208

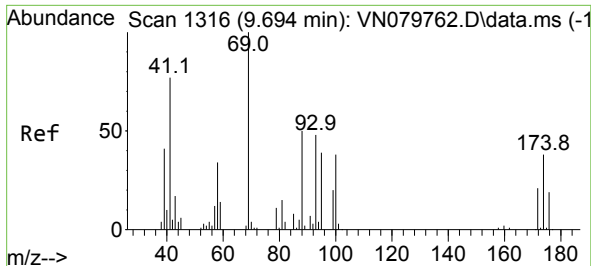
Ion Ratio Lower Upper

41 100

69 0.2 90.4 135.6#

39 54.1 54.6 81.8#





#49

1,4-Dioxane

Concen: 7.663 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Instrument :

MSVOA_N

ClientSampleId :

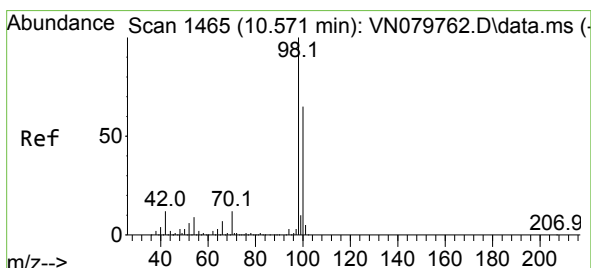
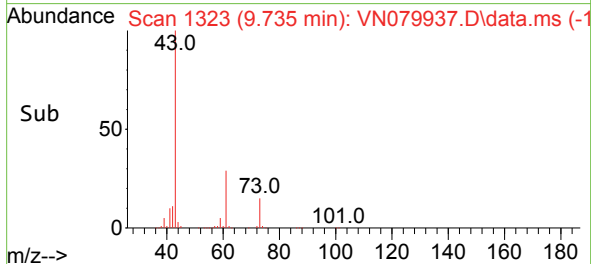
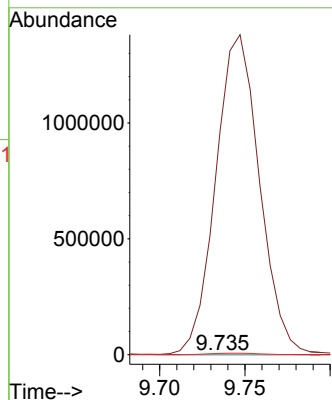
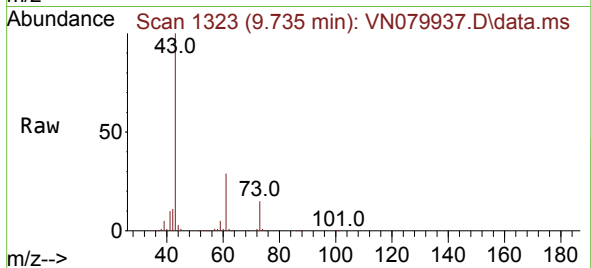
Tgt Ion: 88 Resp: 504

Ion Ratio Lower Upper

88 100

43 491166.3 17.0 25.6#

58 2727.6 47.0 70.4#



#50

Toluene-d8

Concen: 52.977 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079937.D

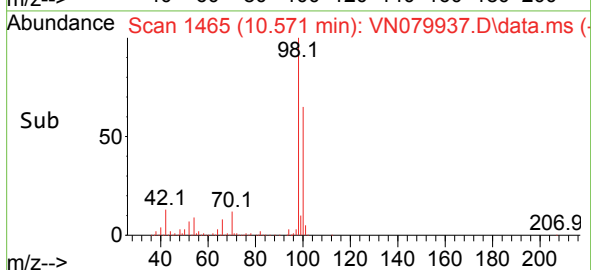
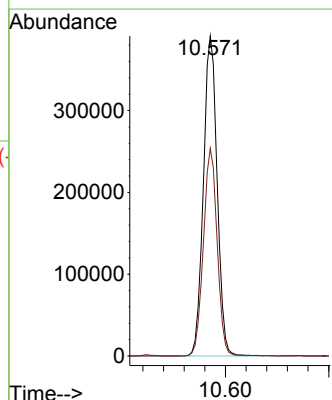
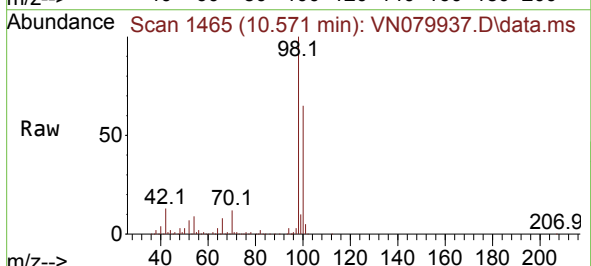
Acq: 06 Nov 2023 20:56

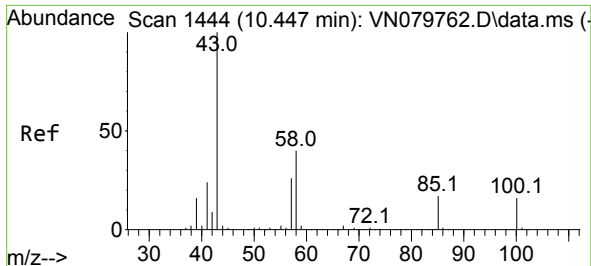
Tgt Ion: 98 Resp: 721710

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

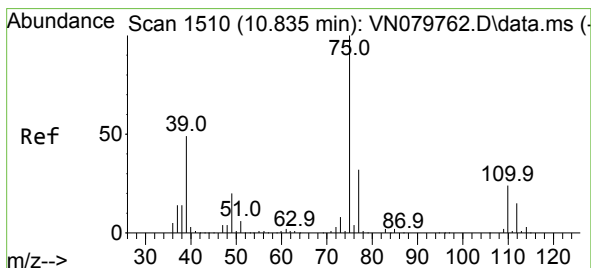
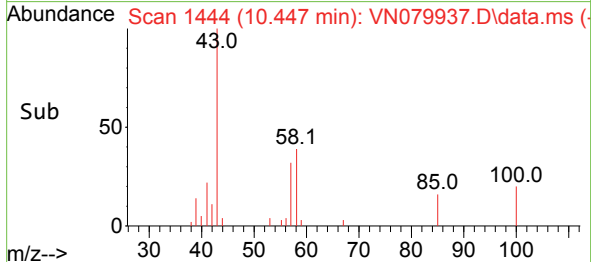
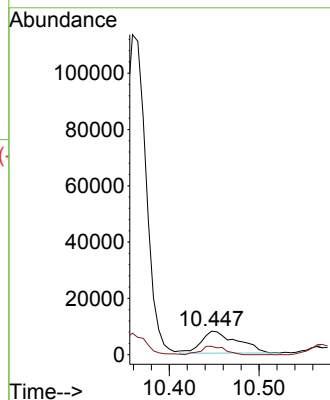
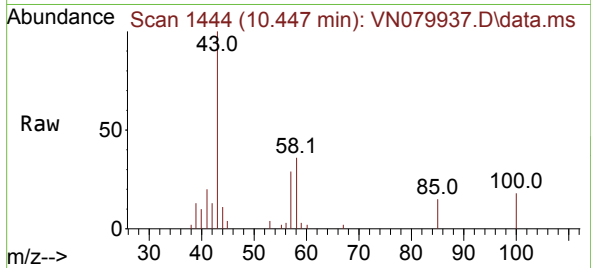




#51
4-Methyl-2-Pentanone
Concen: 4.569 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

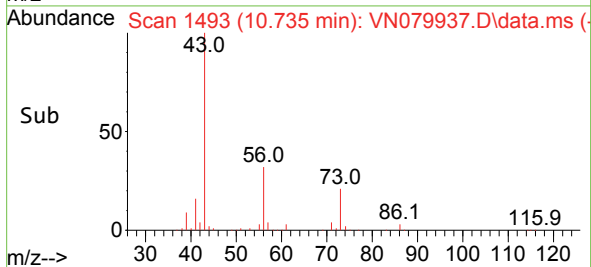
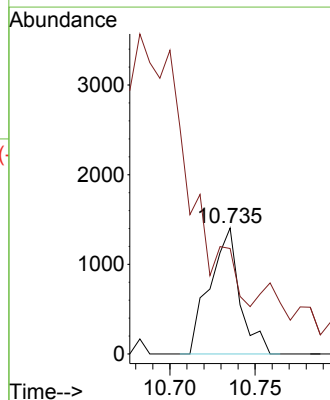
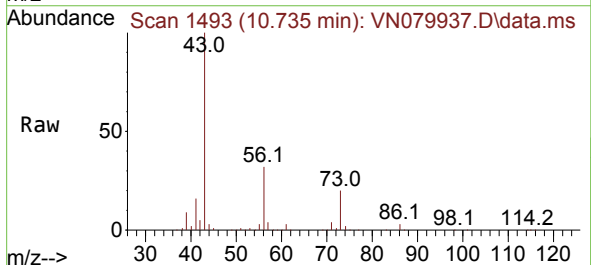
Instrument :
MSVOA_N
ClientSampleId :

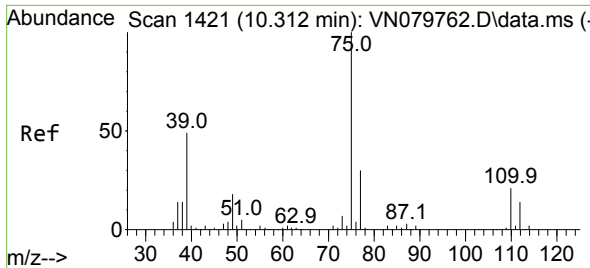
Tgt Ion: 43 Resp: 21861
Ion Ratio Lower Upper
43 100
58 25.7 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.299 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

Tgt Ion: 75 Resp: 1727
Ion Ratio Lower Upper
75 100
77 43.0 25.4 38.0#

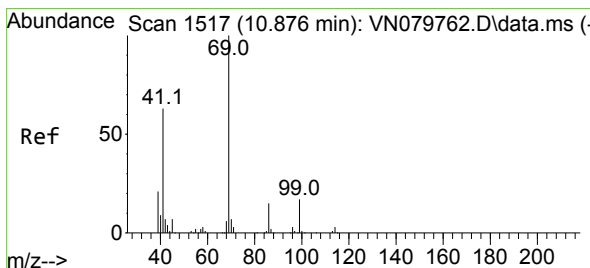
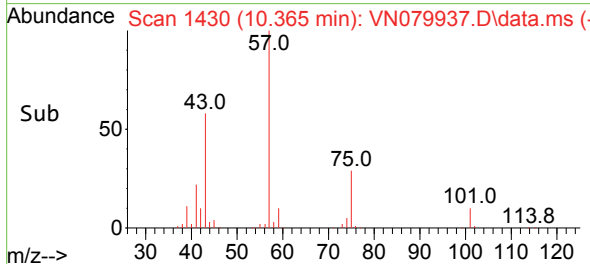
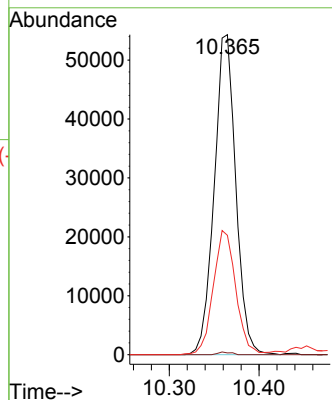
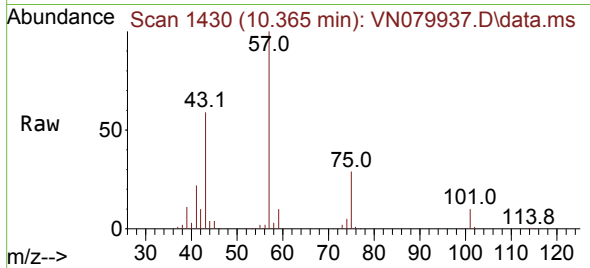




#54
 cis-1,3-Dichloropropene
 Concen: 14.409 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079937.D
 Acq: 06 Nov 2023 20:56

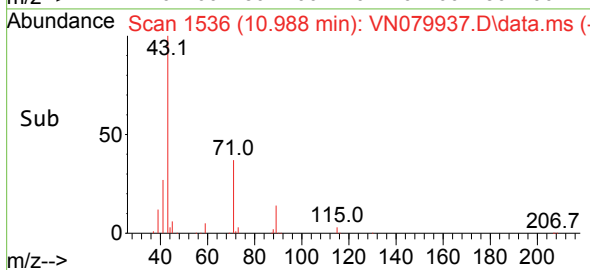
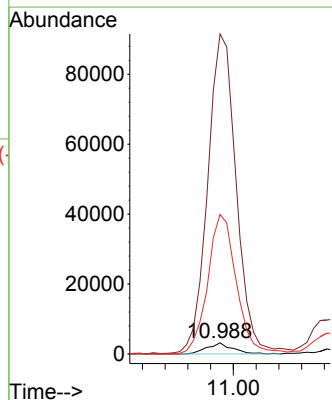
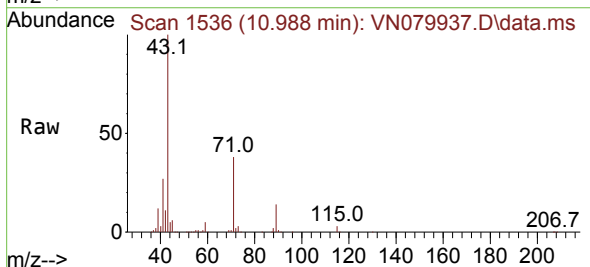
Instrument :
 MSVOA_N
 ClientSampleId :

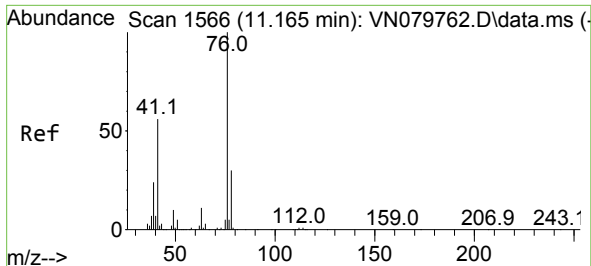
Tgt Ion: 75 Resp: 90676
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 37.3 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.928 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN079937.D
 Acq: 06 Nov 2023 20:56

Tgt Ion: 69 Resp: 4993
 Ion Ratio Lower Upper
 69 100
 41 3200.3 39.6 59.4#
 39 1400.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.828 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Instrument :

MSVOA_N

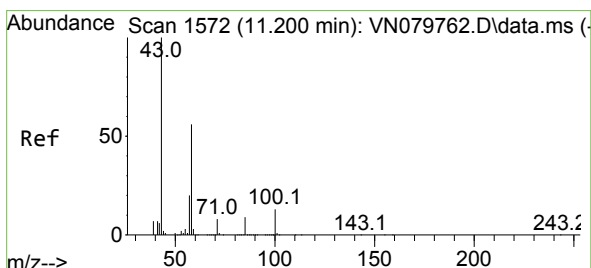
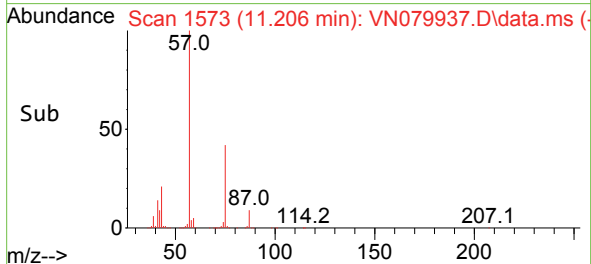
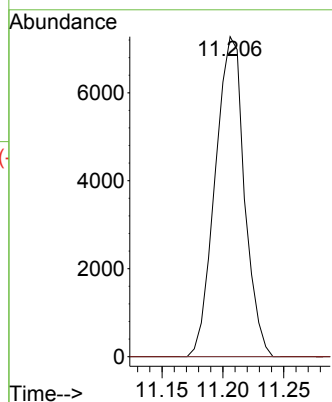
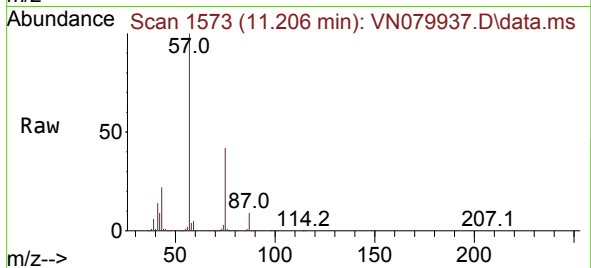
ClientSampleId :

Tgt Ion: 76 Resp: 12157

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 42.101 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079937.D

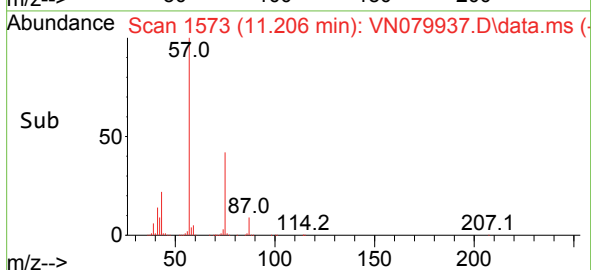
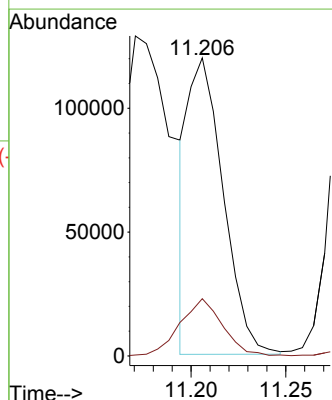
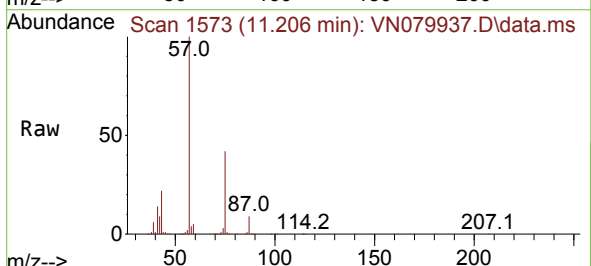
Acq: 06 Nov 2023 20:56

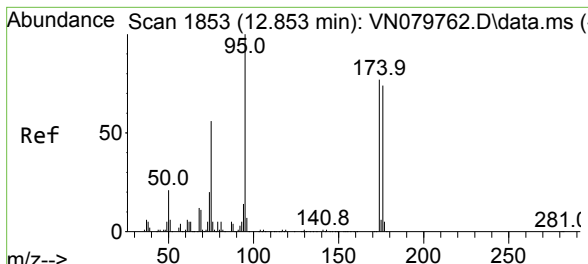
Tgt Ion: 43 Resp: 154089

Ion Ratio Lower Upper

43 100

58 23.8 31.7 95.1#

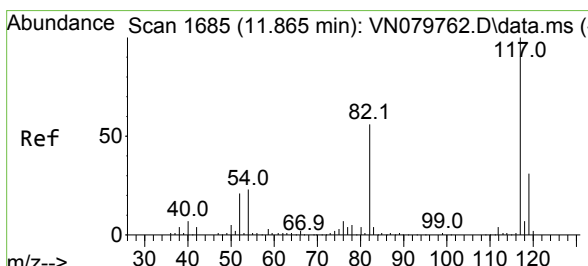
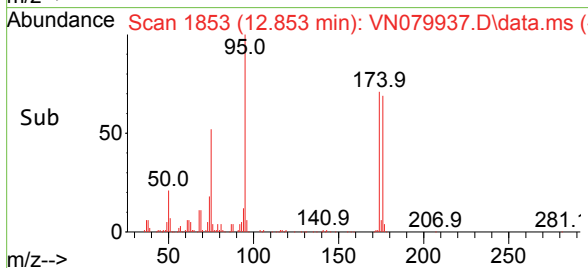
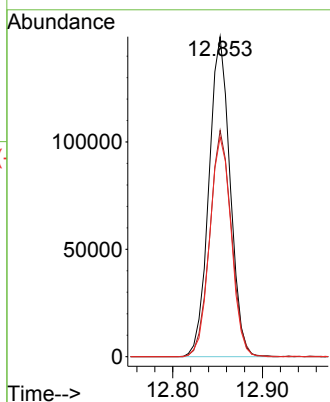
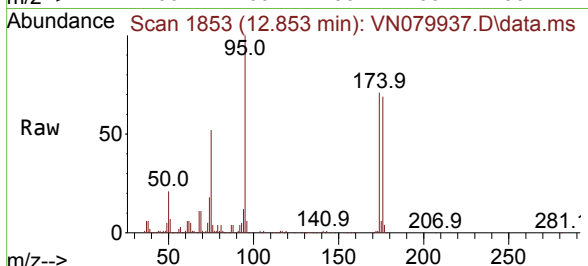




#62
 4-Bromofluorobenzene
 Concen: 54.086 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079937.D
 Acq: 06 Nov 2023 20:56

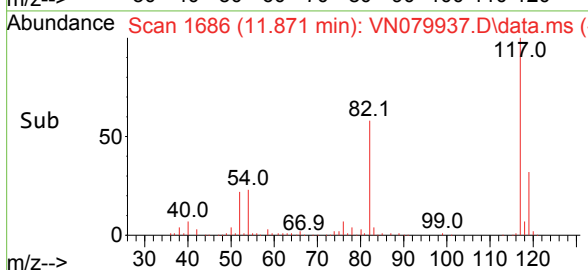
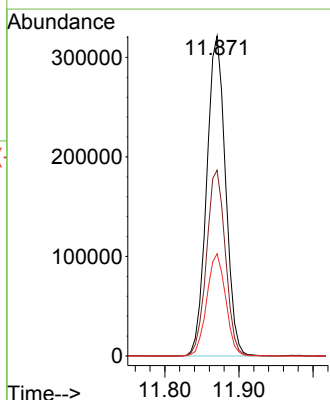
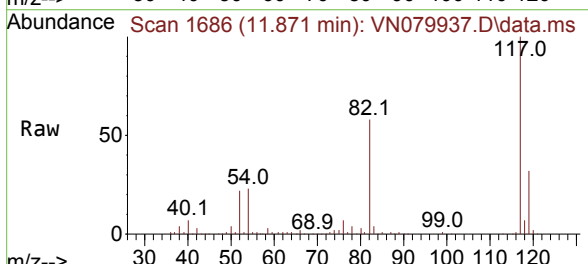
Instrument :
 MSVOA_N
 ClientSampleId :

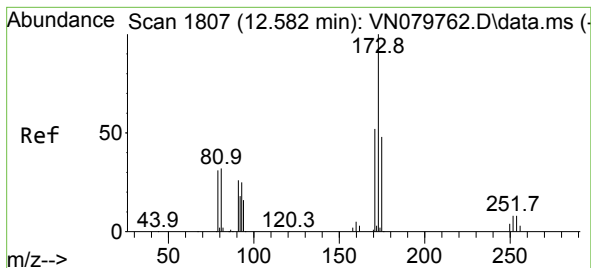
Tgt Ion:	95	Resp:	244363
Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	143.8
176	69.7	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079937.D
 Acq: 06 Nov 2023 20:56

Tgt Ion:	117	Resp:	567890
Ion	Ratio	Lower	Upper
117	100		
82	58.1	44.0	66.0
119	32.0	25.6	38.4





#71

Bromoform

Concen: 0.416 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

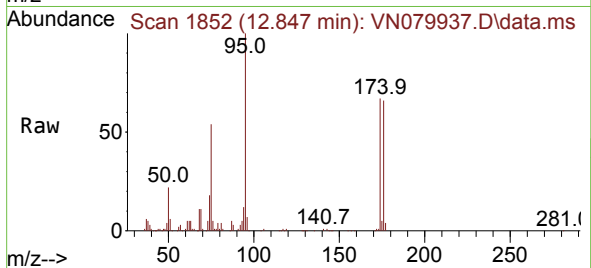
Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

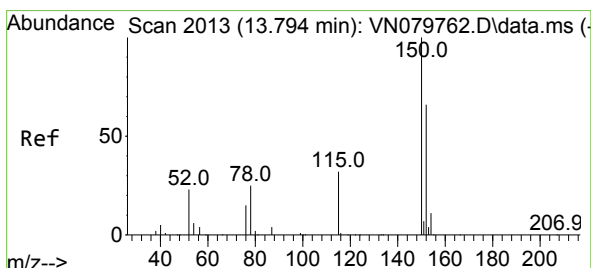
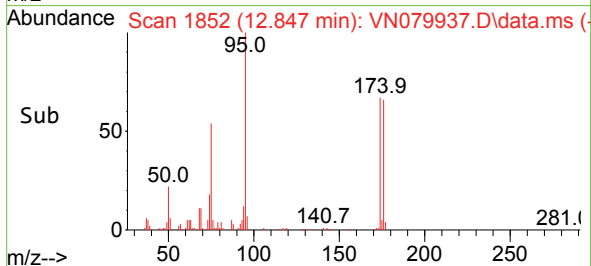
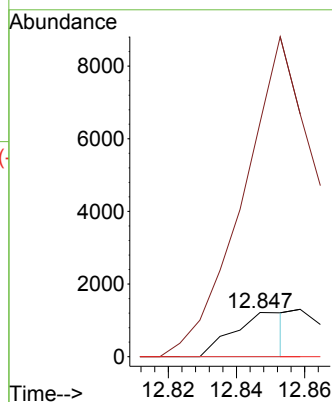
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1311
Ion Ratio	Lower	Upper	
173	100		
175	800.7	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

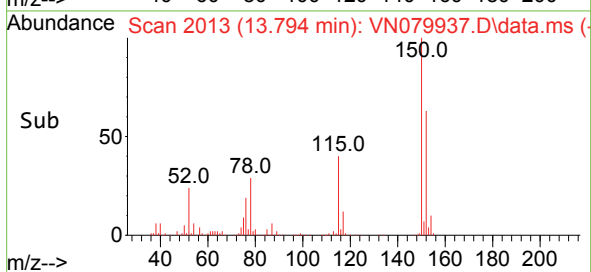
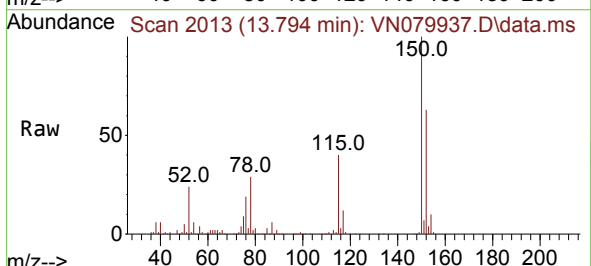
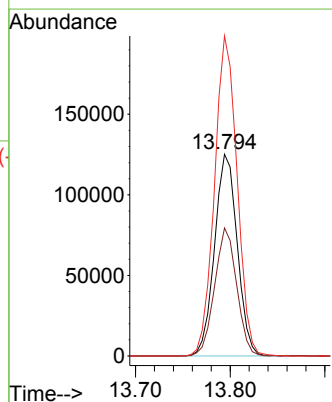
RT: 13.794 min Scan# 2013

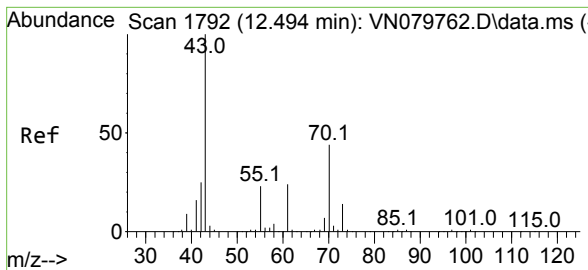
Delta R.T. 0.000 min

Lab File: VN079937.D

Acq: 06 Nov 2023 20:56

Tgt Ion:	152	Resp:	208549
Ion Ratio	Lower	Upper	
152	100		
115	61.6	32.3	96.8
150	157.8	0.0	355.8

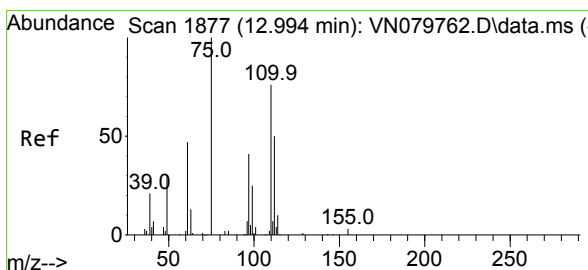
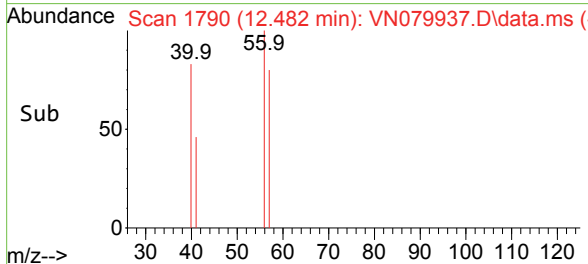
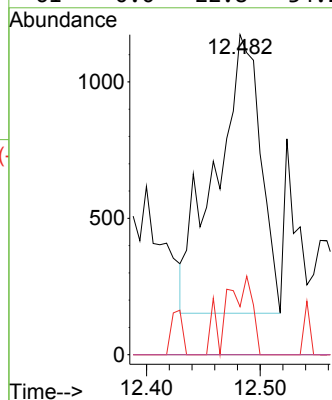
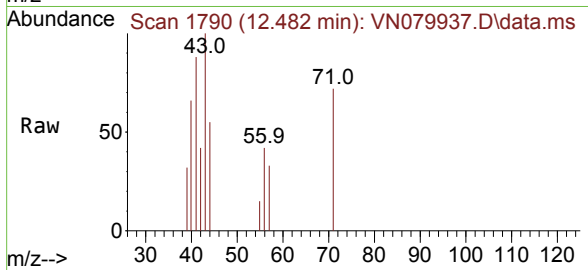




#74
N-amy1 acetate
Concen: 0.406 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

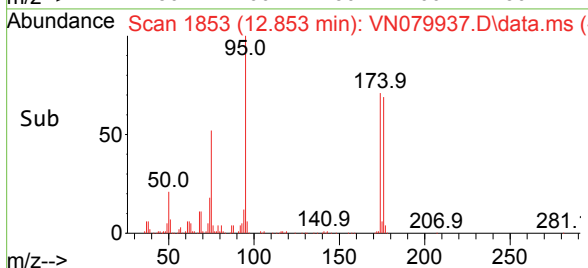
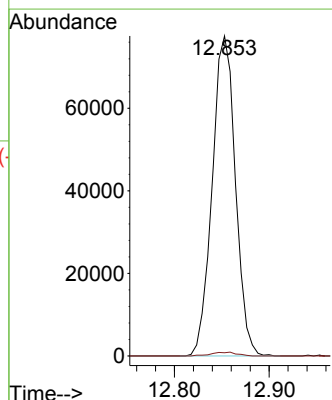
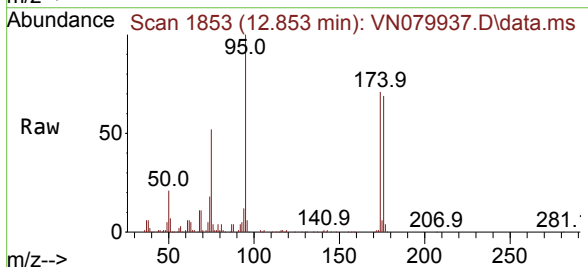
Instrument :
MSVOA_N
ClientSampleId :

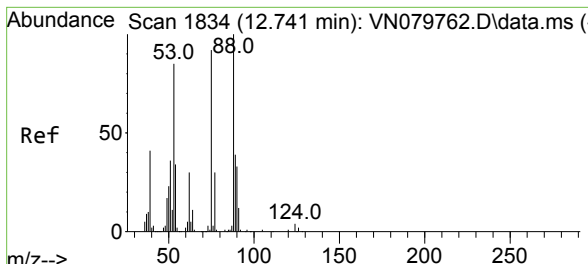
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 16.7 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.966 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079937.D
Acq: 06 Nov 2023 20:56

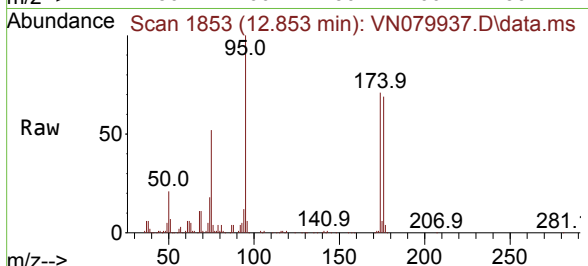
Tgt Ion: 75 Resp: 132027
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.367 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079937.D
 Acq: 06 Nov 2023 20:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 132027
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

