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 Data File : VN079921.D
 Acq On : 06 Nov 2023 14:33
 Operator : JC\MD
 Sample : PB156885ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

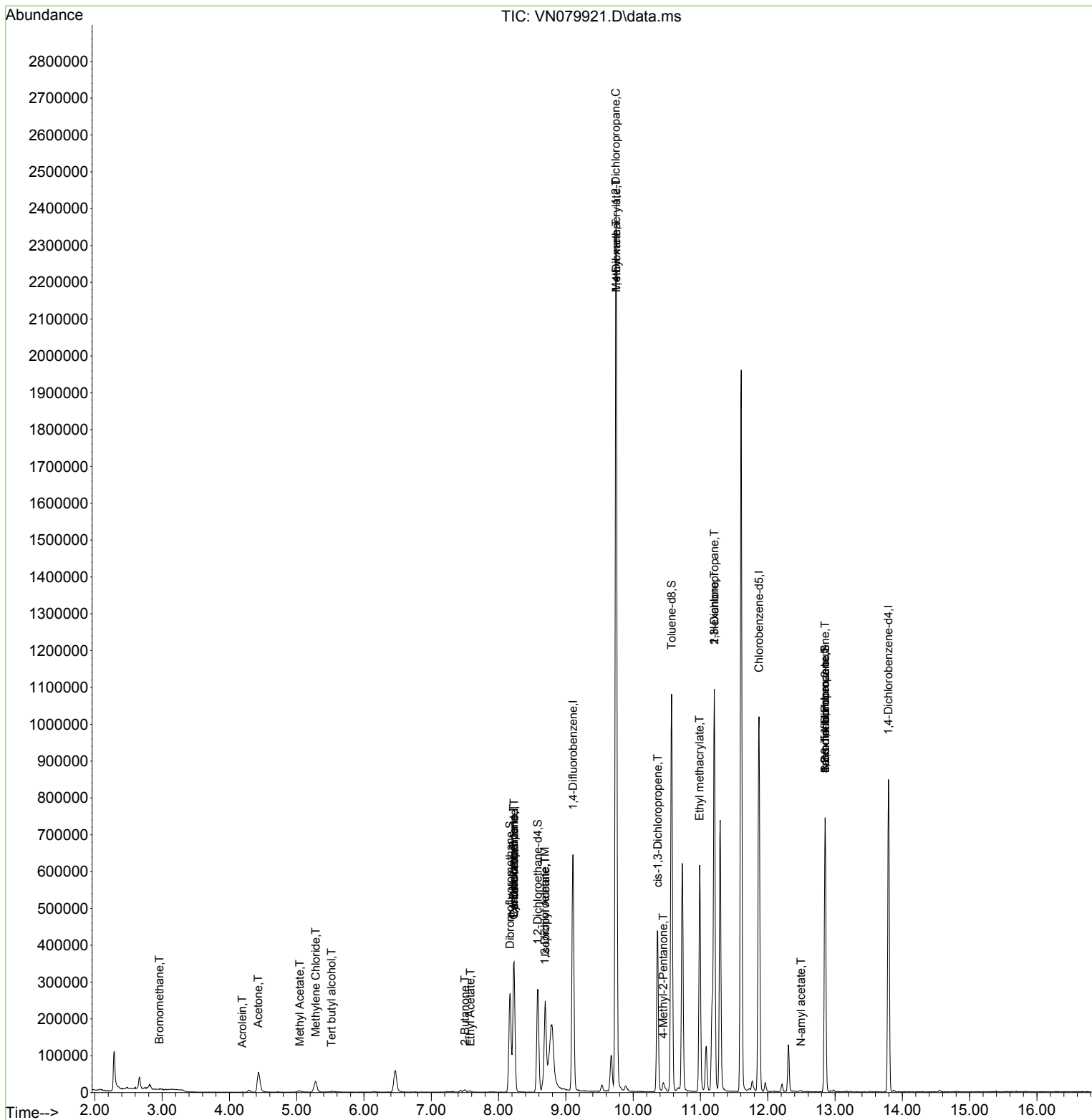
Instrument :
 MSVOA_N
 ClientSampleId :

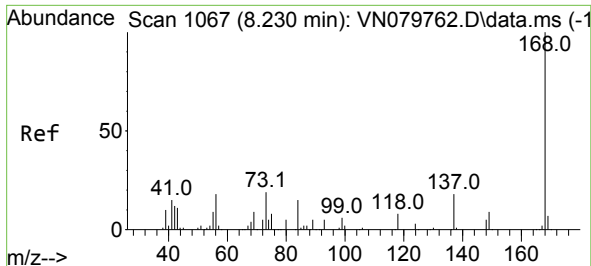
Quant Time: Nov 07 04:47:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	248576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	534833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	578768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	229268	60.539	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.080%	
35) Dibromofluoromethane	8.171	113	190573	50.345	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.700%	
50) Toluene-d8	10.571	98	725709	52.078	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.160%	
62) 4-Bromofluorobenzene	12.853	95	250989	54.308	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1527	Below Cal	#	74
5) Bromomethane	2.959	94	586	0.246	ug/l #	54
11) Tert butyl alcohol	5.518	59	2170	4.489	ug/l #	72
13) Acrolein	4.189	56	55	2.700	ug/l #	22
16) Acetone	4.430	43	105097	79.004	ug/l	94
18) Methyl Acetate	5.047	43	9875	1.552	ug/l #	68
20) Methylene Chloride	5.283	84	21996	6.553	ug/l #	82
25) 2-Butanone	7.500	43	11590	5.950	ug/l #	74
31) Cyclohexane	8.224	56	7049	1.409	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	23024	4.260	ug/l #	46
37) Ethyl Acetate	7.583	43	6845	1.381	ug/l #	86
38) Carbon Tetrachloride	8.230	117	28127	5.164	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1682	0.297	ug/l #	73
43) Isopropyl Acetate	8.694	43	286597	32.969	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	2992	0.723	ug/l #	45
48) Methyl methacrylate	9.747	41	219930	57.761	ug/l #	28
49) 1,4-Dioxane	9.747	88	251	3.731	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	24786	5.065	ug/l #	71
54) cis-1,3-Dichloropropene	10.365	75	74505	11.574	ug/l #	74
56) Ethyl methacrylate	10.988	69	3102	0.563	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11193	1.645	ug/l #	42
59) 2-Hexanone	11.206	43	130479	34.851	ug/l #	50
71) Bromoform	12.853	173	2008	0.625	ug/l #	1
74) N-amyl acetate	12.494	43	1843	0.255	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	138983	27.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	138983	73.802	ug/l #	15

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

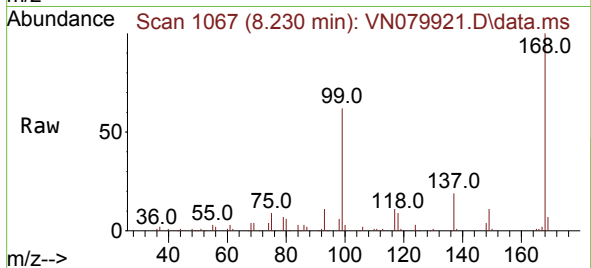
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



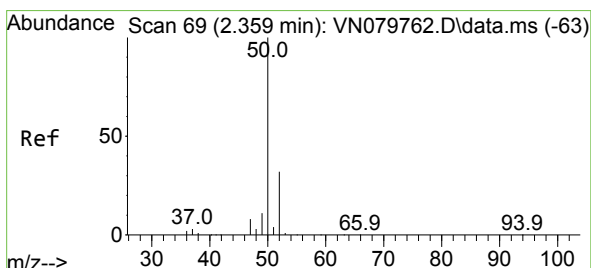
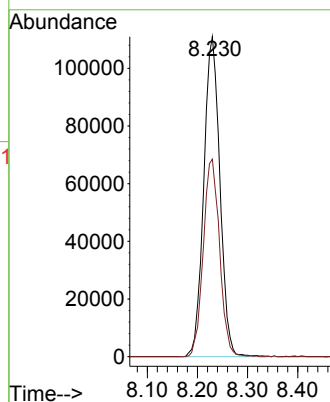
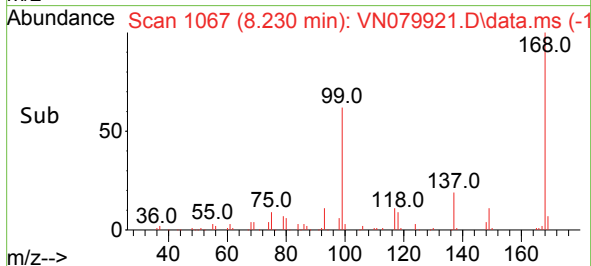


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Instrument :
MSVOA_N
ClientSampleId :

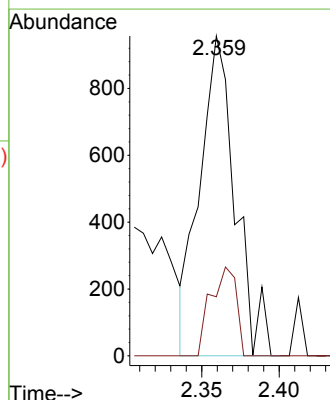
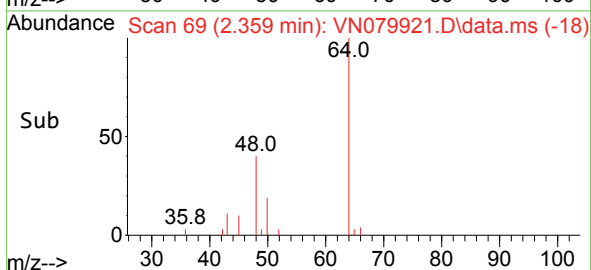
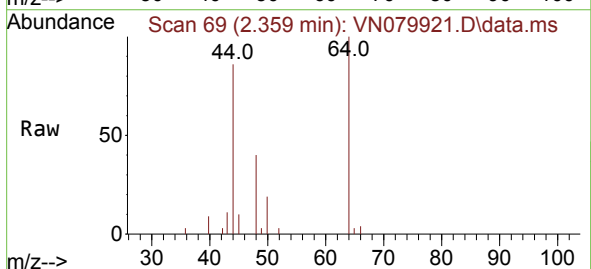


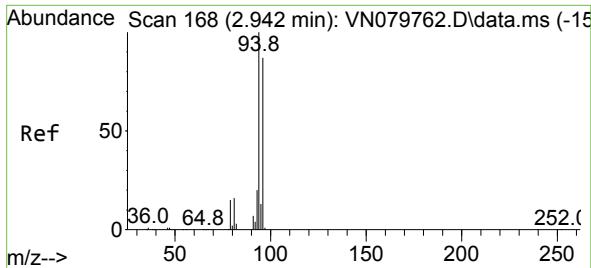
Tgt Ion:168 Resp: 248576
Ion Ratio Lower Upper
168 100
99 61.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 50 Resp: 1527
Ion Ratio Lower Upper
50 100
52 18.5 26.5 39.7#

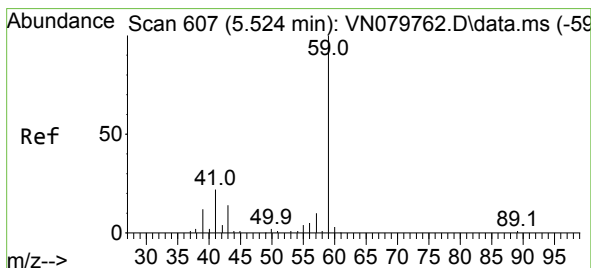
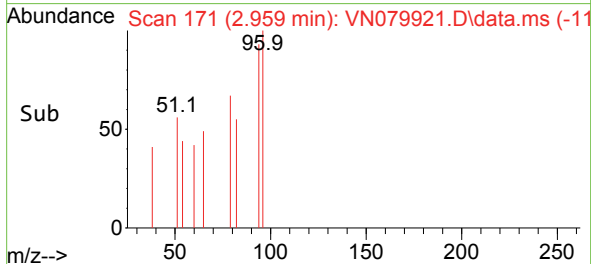
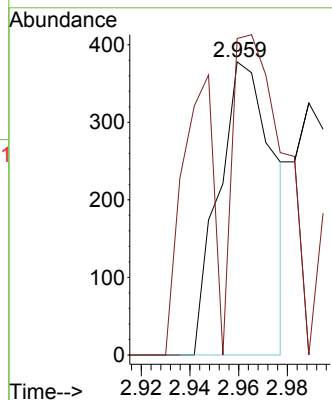
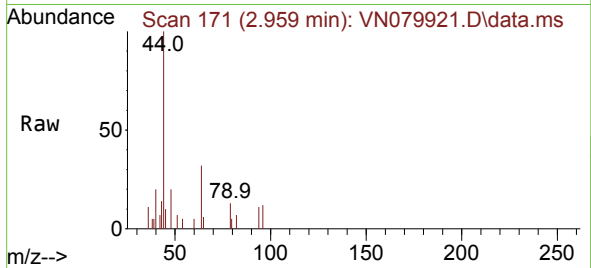




#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

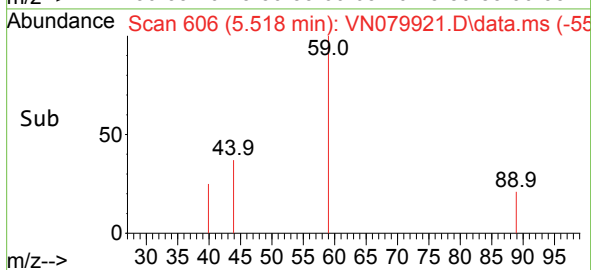
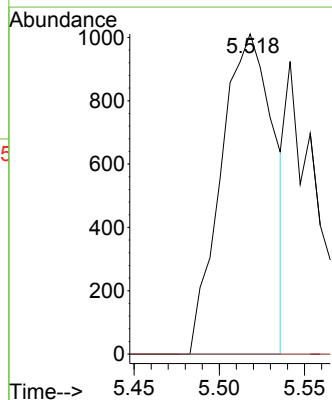
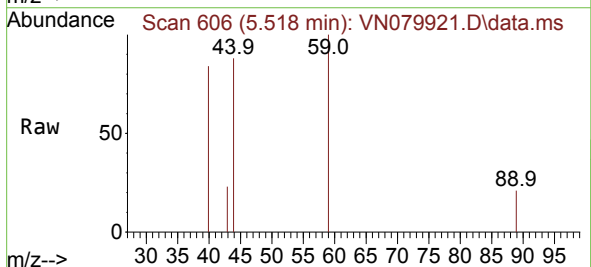
Instrument :
MSVOA_N
ClientSampleId :

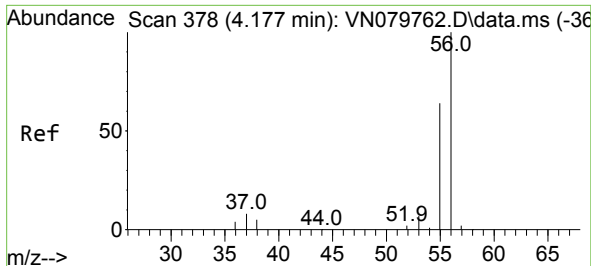
Tgt Ion: 94 Resp: 586
Ion Ratio Lower Upper
94 100
96 47.6 73.1 109.7#



#11
Tert butyl alcohol
Concen: 4.489 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

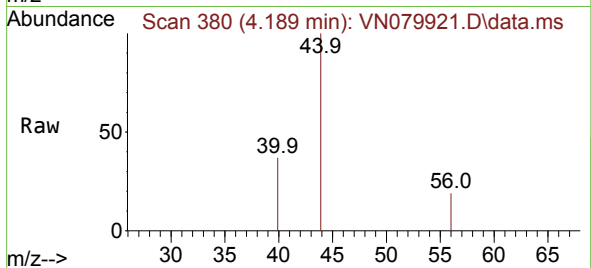
Tgt Ion: 59 Resp: 2170
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



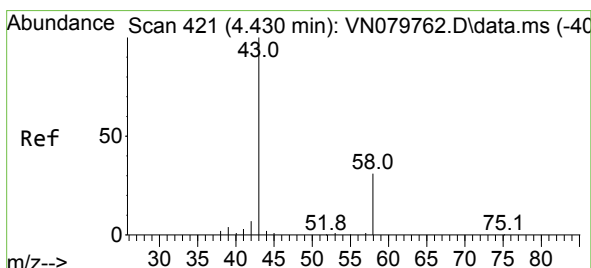
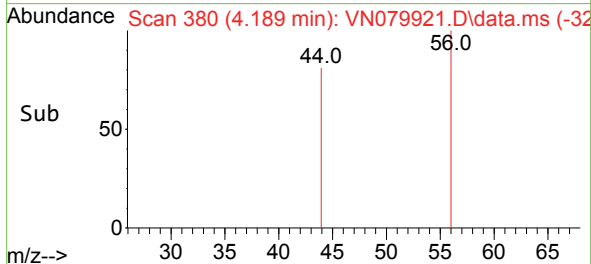
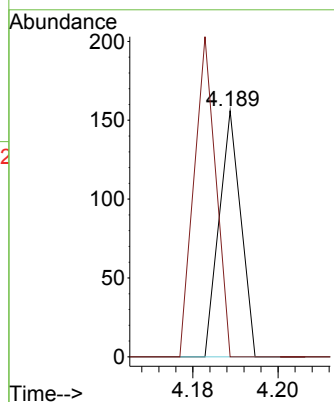


#13
Acrolein
Concen: 2.700 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Instrument :
MSVOA_N
ClientSampleId :

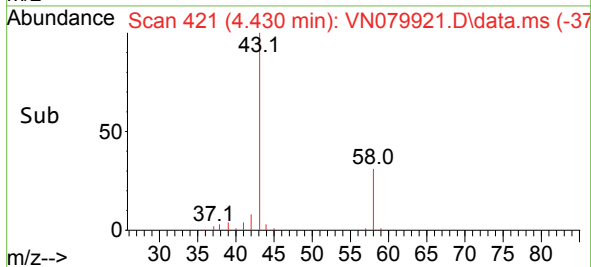
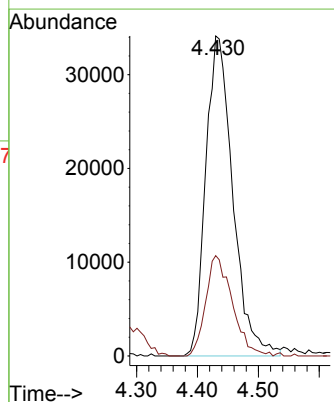
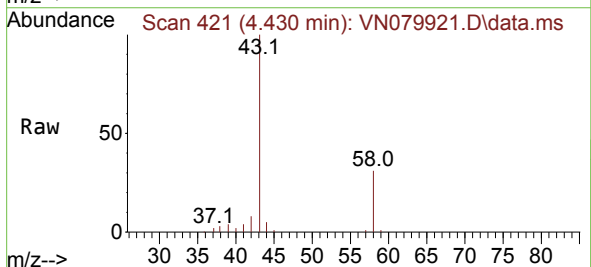


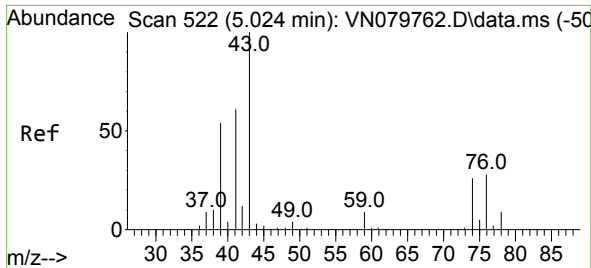
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 130.9 54.5 81.7#



#16
Acetone
Concen: 79.004 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 43 Resp: 105097
Ion Ratio Lower Upper
43 100
58 31.3 28.0 42.0

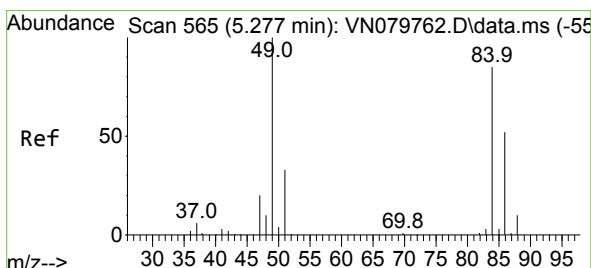
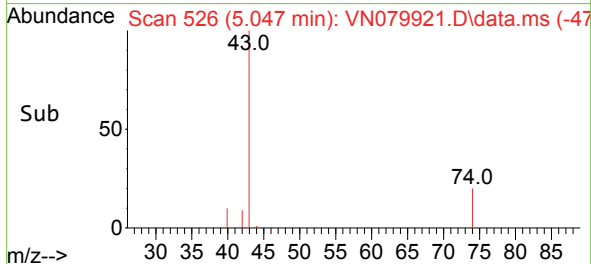
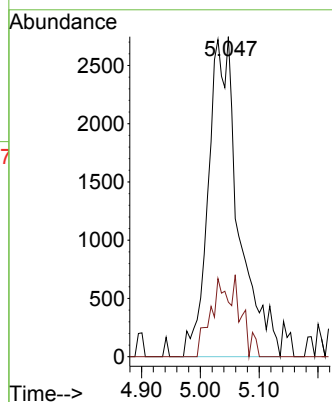
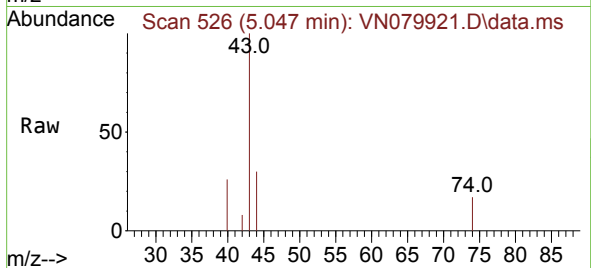




#18
Methyl Acetate
Concen: 1.552 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

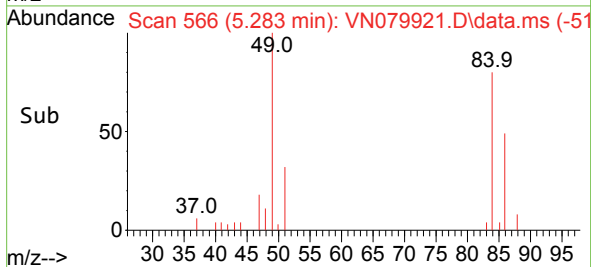
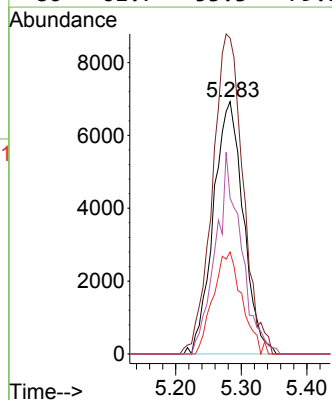
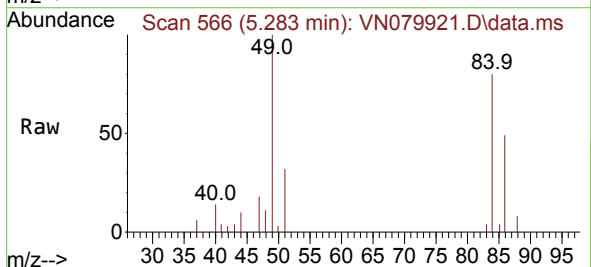
Instrument :
MSVOA_N
ClientSampleId :

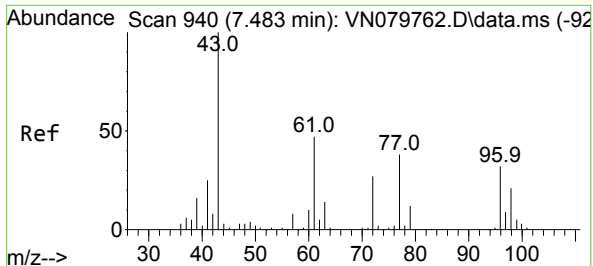
Tgt Ion: 43 Resp: 9875
Ion Ratio Lower Upper
43 100
74 15.0 26.2 39.4#



#20
Methylene Chloride
Concen: 6.553 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 84 Resp: 21996
Ion Ratio Lower Upper
84 100
49 125.2 79.7 119.5#
51 40.4 25.2 37.8#
86 61.7 53.3 79.9

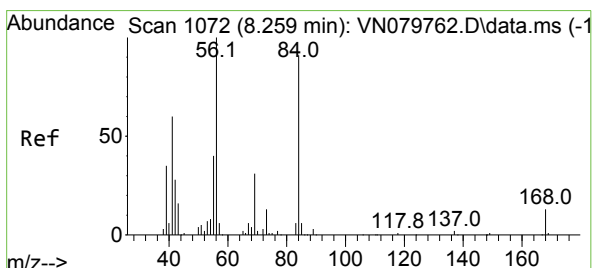
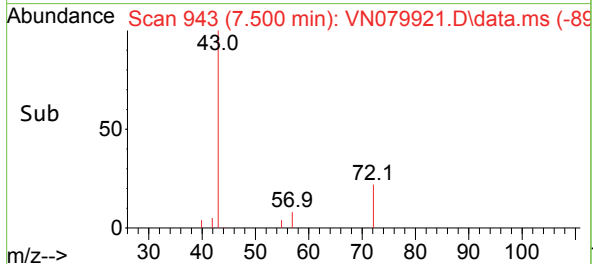
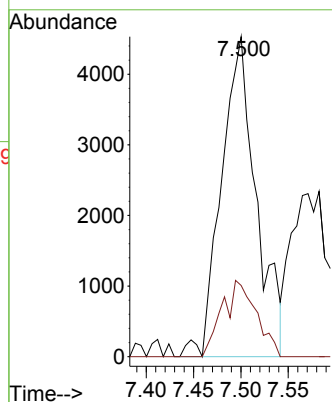
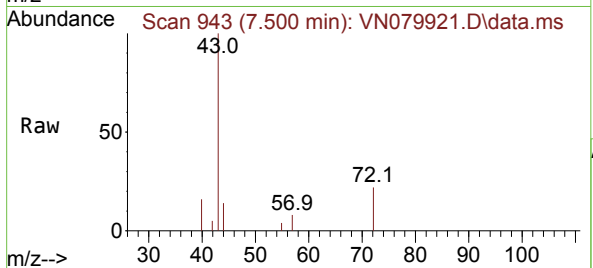




#25
2-Butanone
Concen: 5.950 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

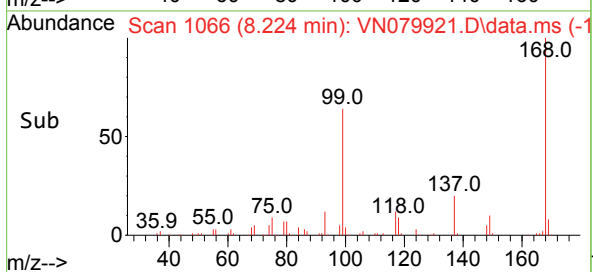
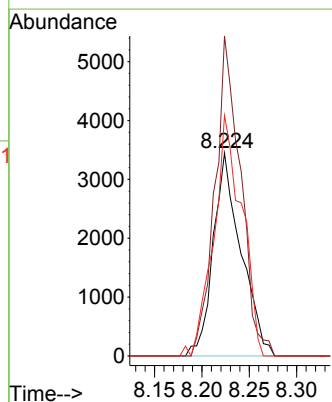
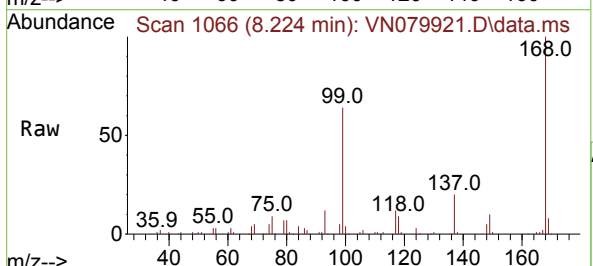
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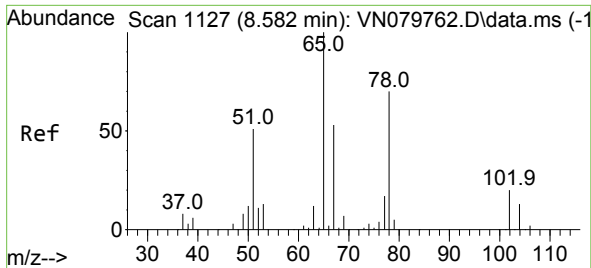
Tgt Ion: 43 Resp: 11590
Ion Ratio Lower Upper
43 100
72 22.3 30.2 45.2#



#31
Cyclohexane
Concen: 1.409 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 56 Resp: 7049
Ion Ratio Lower Upper
56 100
69 157.7 26.8 40.2#
84 118.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 60.539 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Instrument :

MSVOA_N

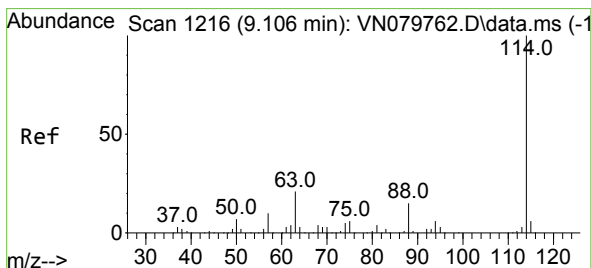
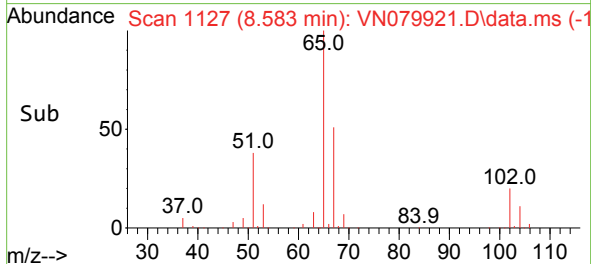
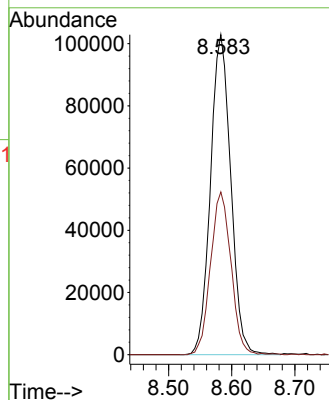
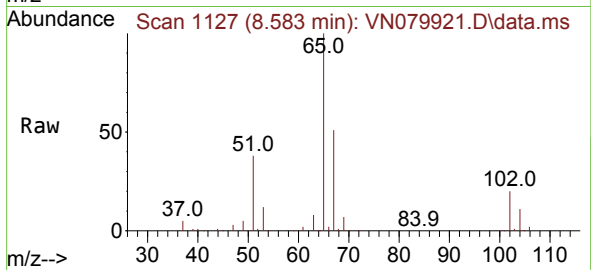
ClientSampleId :

Tgt Ion: 65 Resp: 229268

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

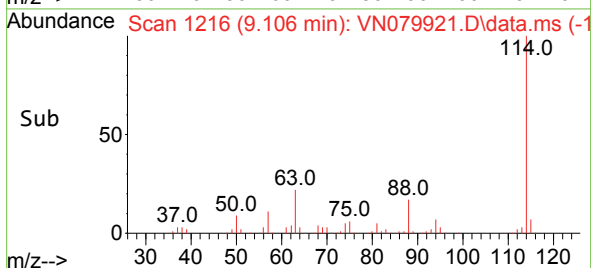
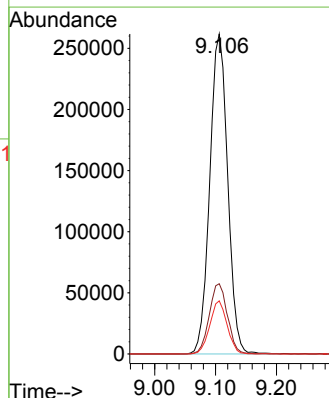
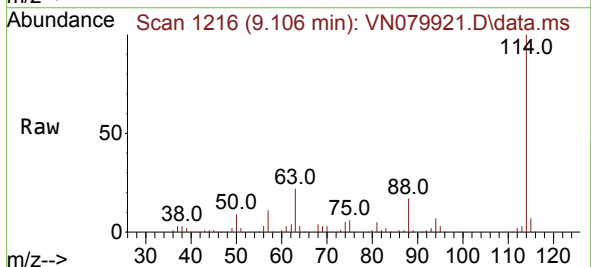
Tgt Ion: 114 Resp: 534833

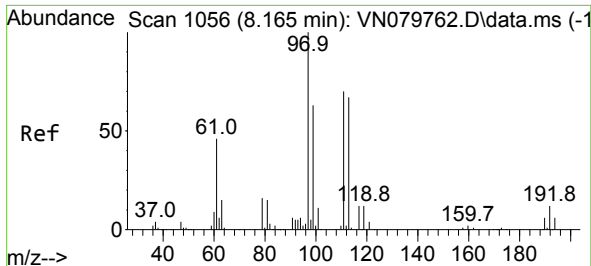
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

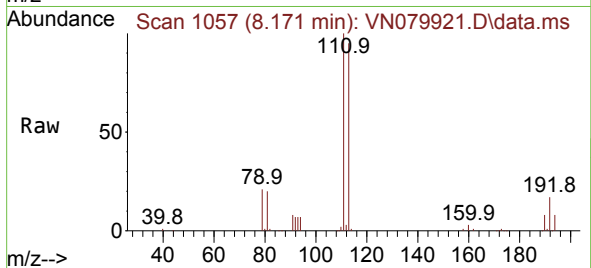
88 16.6 0.0 30.6



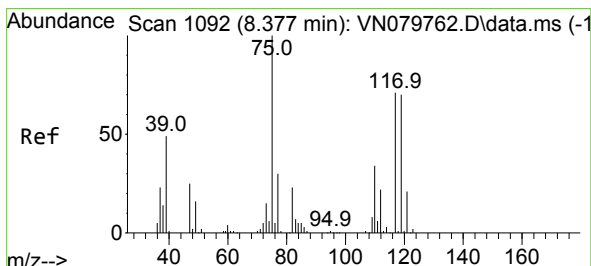
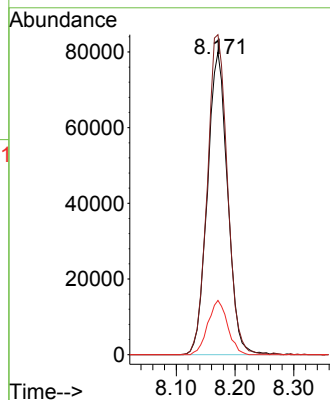
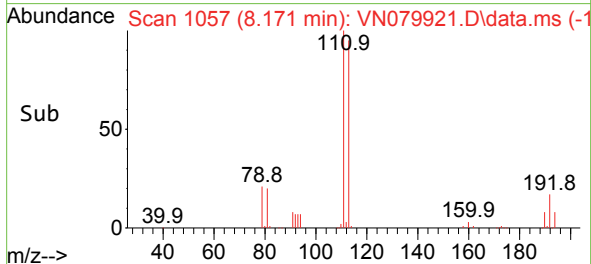


#35
Dibromofluoromethane
Concen: 50.345 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Instrument :
MSVOA_N
ClientSampleId :

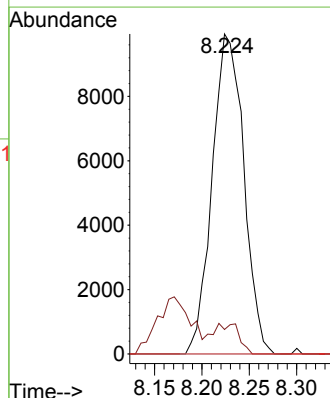
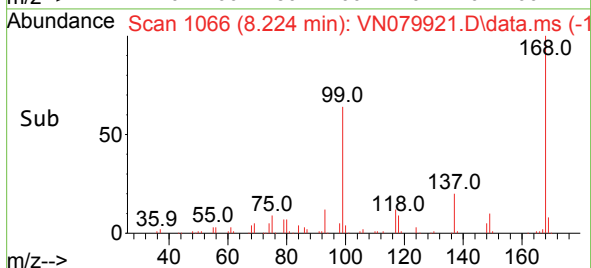
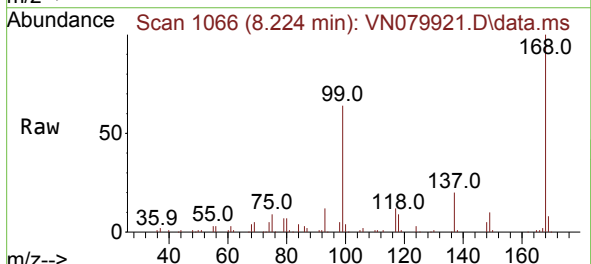


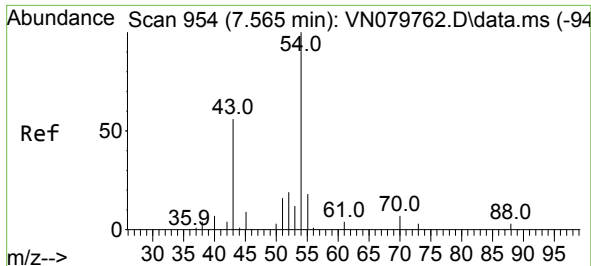
Tgt Ion:113 Resp: 190573
Ion Ratio Lower Upper
113 100
111 105.7 82.6 123.8
192 17.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

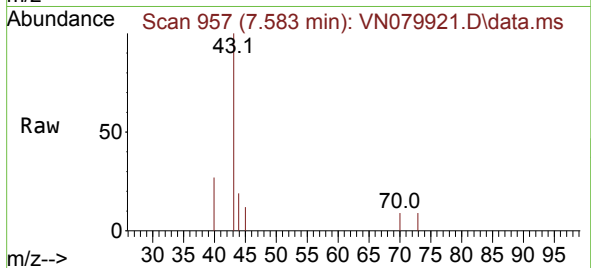
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Ion Ratio Lower Upper
75 100
110 6.3 19.1 57.3#
77 0.0 25.0 37.4#



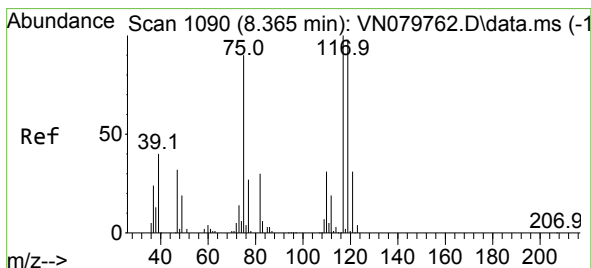
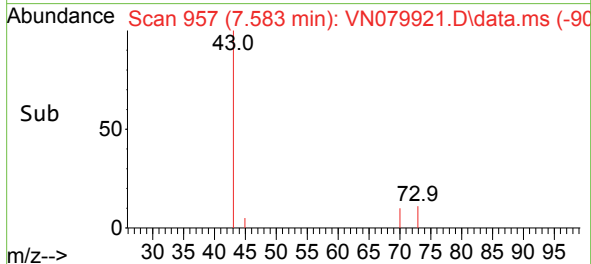
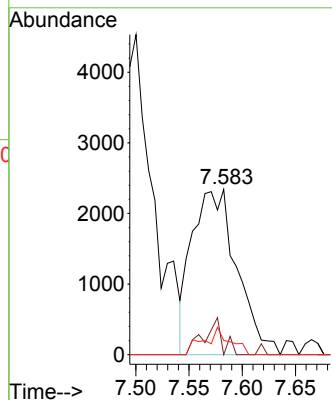


#37
Ethyl Acetate
Concen: 1.381 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Instrument :
MSVOA_N
ClientSampleId :

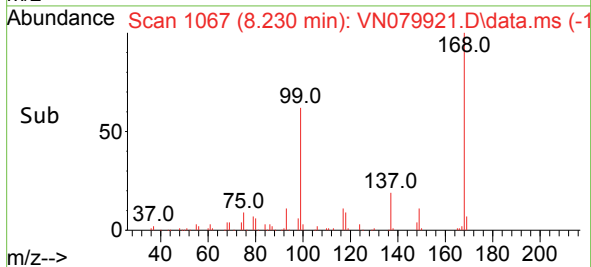
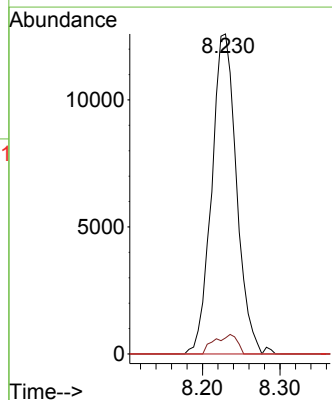
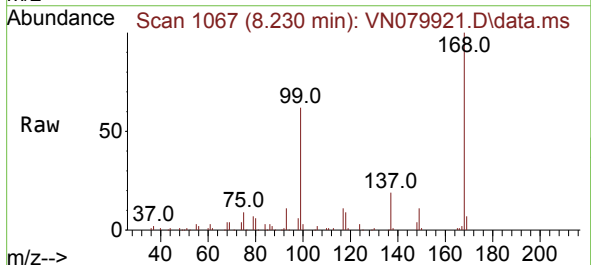


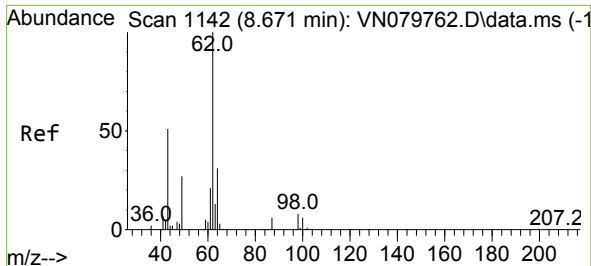
Tgt Ion: 43 Resp: 6845
Ion Ratio Lower Upper
43 100
61 9.3 13.2 19.8#
70 9.5 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.164 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 117 Resp: 28127
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.297 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Instrument :

MSVOA_N

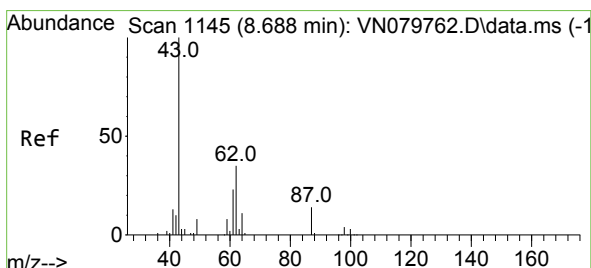
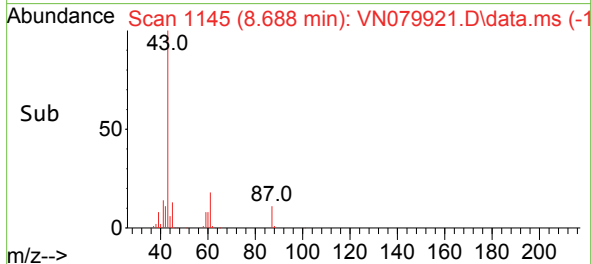
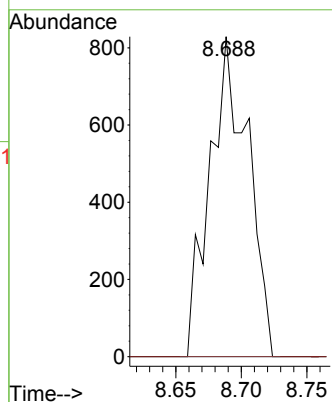
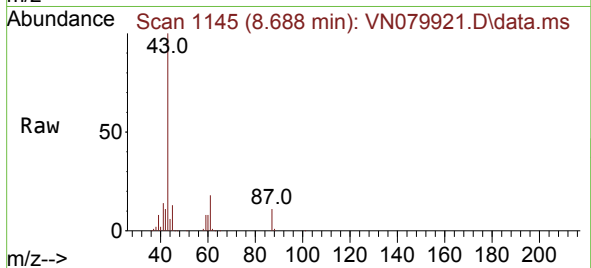
ClientSampleId :

Tgt Ion: 62 Resp: 1682

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 32.969 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

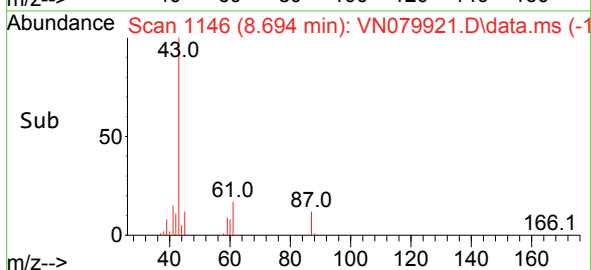
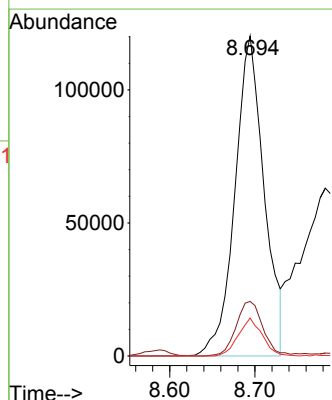
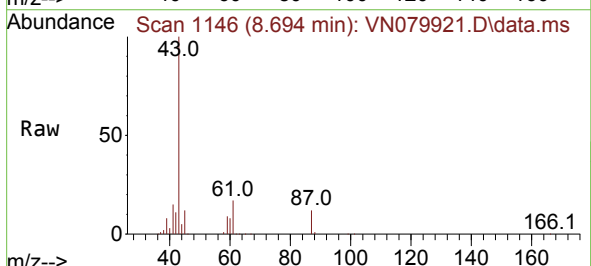
Tgt Ion: 43 Resp: 286597

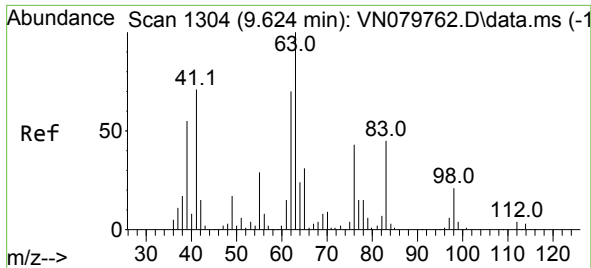
Ion Ratio Lower Upper

43 100

61 15.8 24.7 37.1#

87 9.7 14.6 21.8#

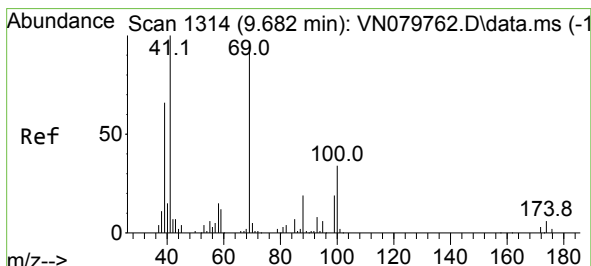
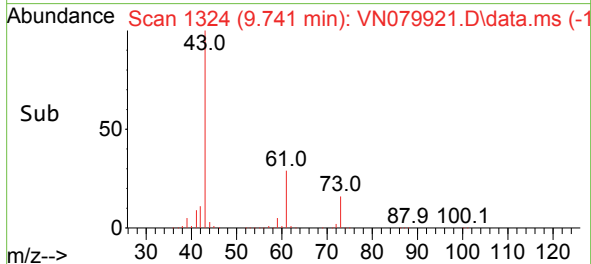
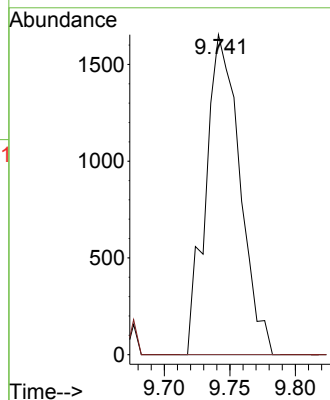
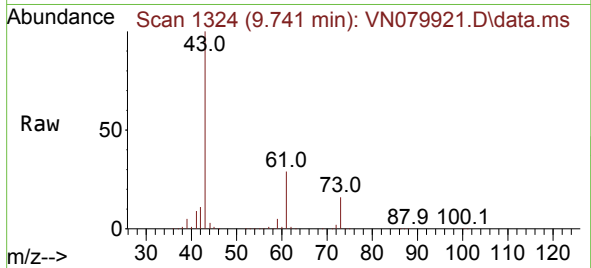




#45
1,2-Dichloropropane
Concen: 0.723 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

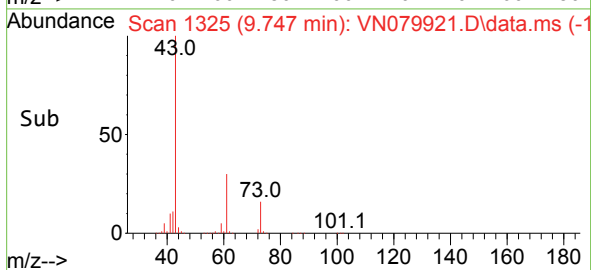
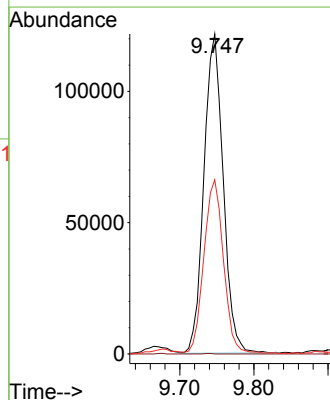
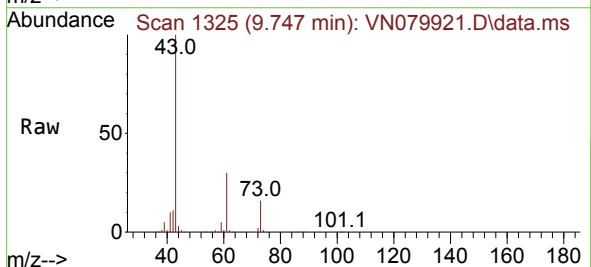
Instrument :
MSVOA_N
ClientSampleId :

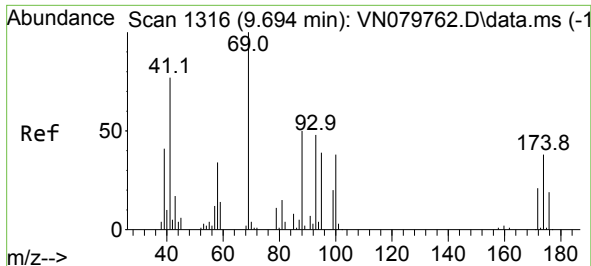
Tgt Ion: 63 Resp: 2992
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 57.761 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 41 Resp: 219930
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 55.5 54.6 81.8





#49

1,4-Dioxane

Concen: 3.731 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Instrument :

MSVOA_N

ClientSampleId :

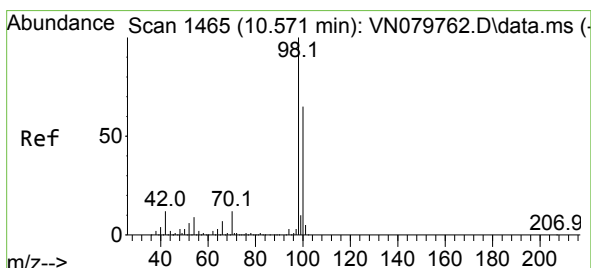
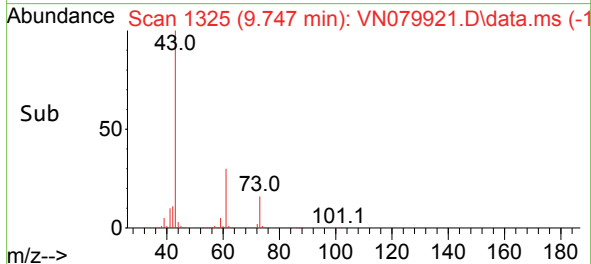
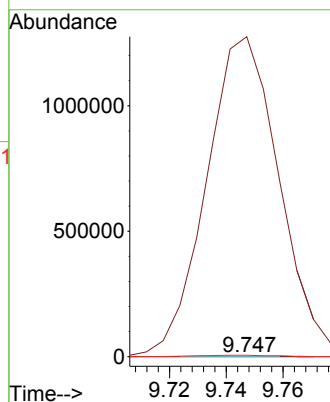
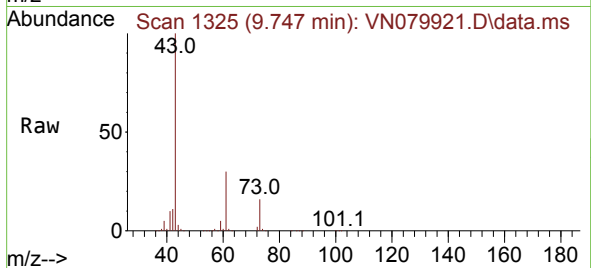
Tgt Ion: 88 Resp: 251

Ion Ratio Lower Upper

88 100

43 912111.2 17.0 25.6#

58 4786.9 47.0 70.4#



#50

Toluene-d8

Concen: 52.078 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079921.D

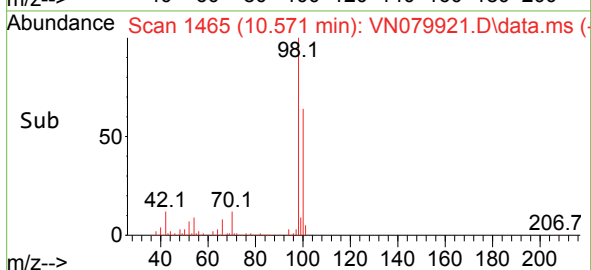
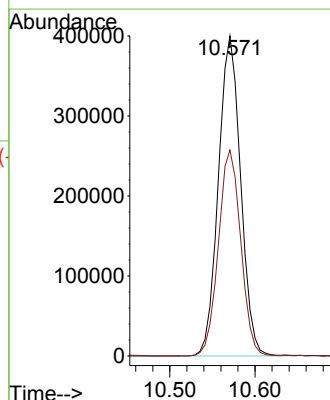
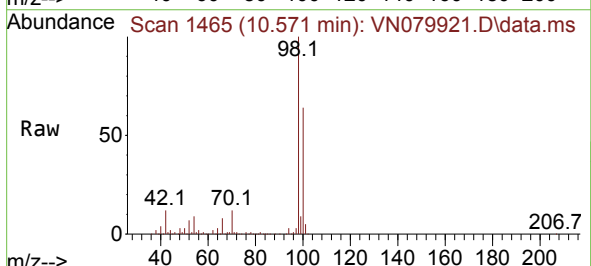
Acq: 06 Nov 2023 14:33

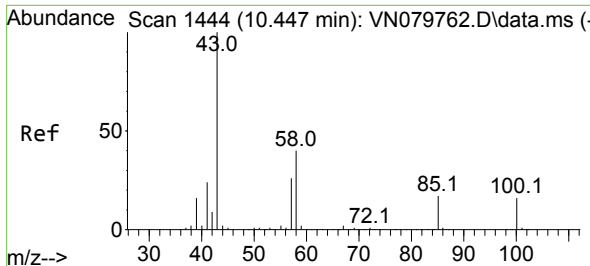
Tgt Ion: 98 Resp: 725709

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 5.065 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Instrument :

MSVOA_N

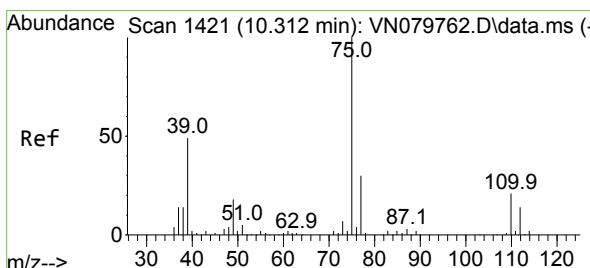
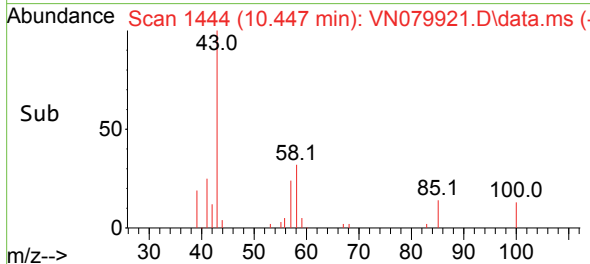
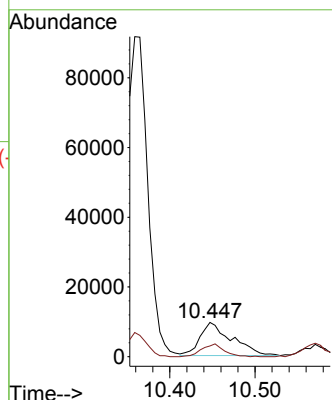
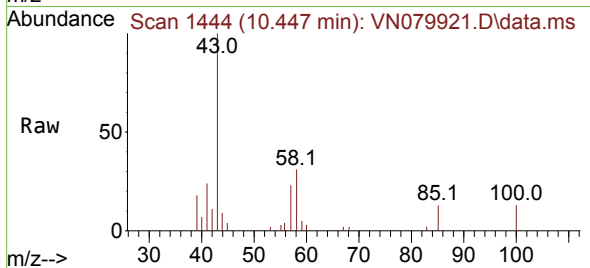
ClientSampleId :

Tgt Ion: 43 Resp: 24786

Ion Ratio Lower Upper

43 100

58 26.9 36.6 54.8#



#54

cis-1,3-Dichloropropene

Concen: 11.574 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

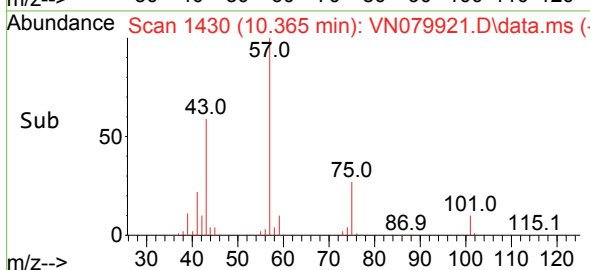
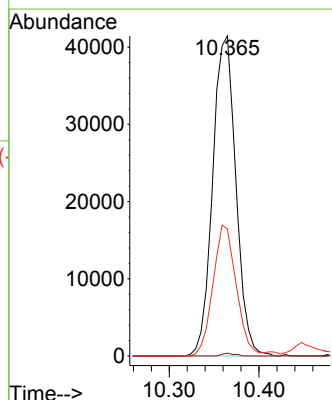
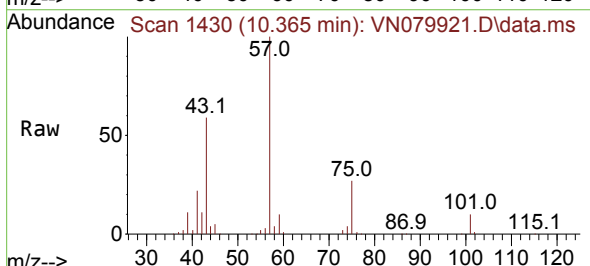
Tgt Ion: 75 Resp: 74505

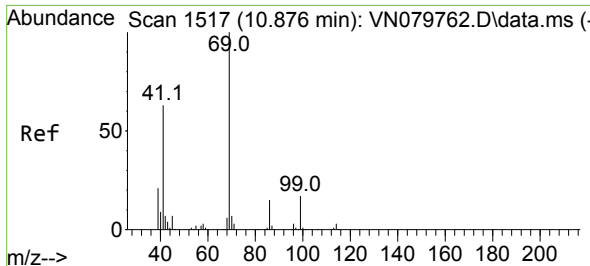
Ion Ratio Lower Upper

75 100

77 0.9 26.1 39.1#

39 39.7 31.6 47.4

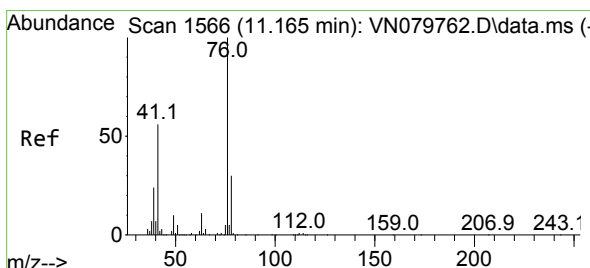
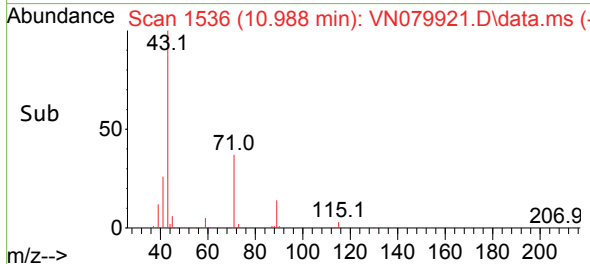
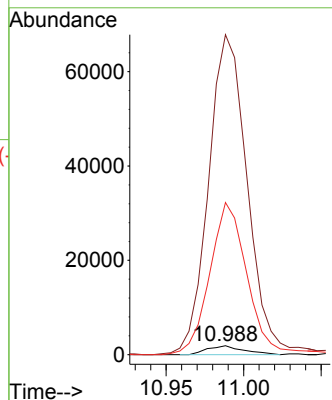
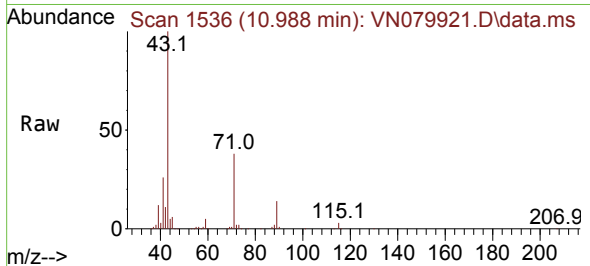




#56
Ethyl methacrylate
Concen: 0.563 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

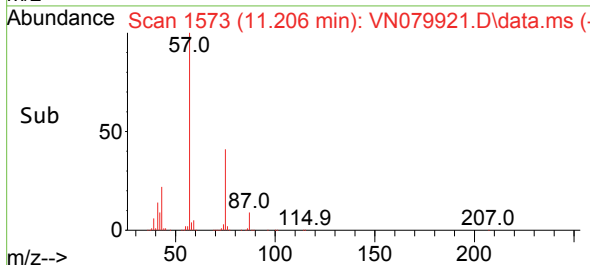
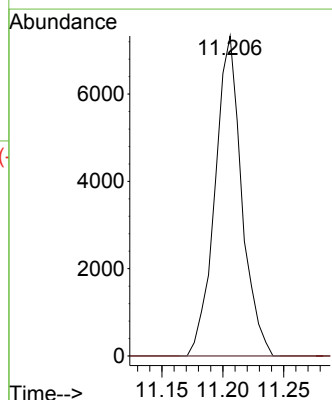
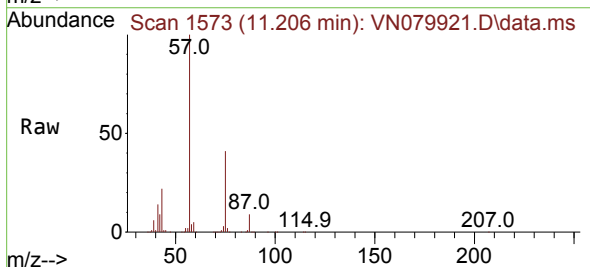
Instrument :
MSVOA_N
ClientSampleId :

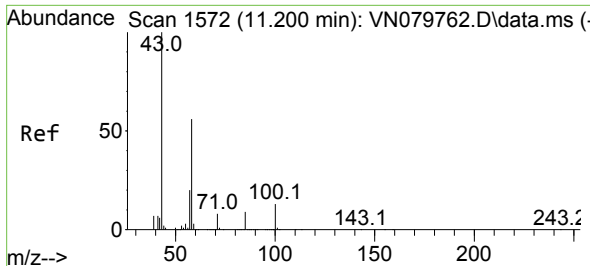
Tgt Ion: 69 Resp: 3102
Ion Ratio Lower Upper
69 100
41 3819.4 39.6 59.4#
39 1750.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.645 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 76 Resp: 11193
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

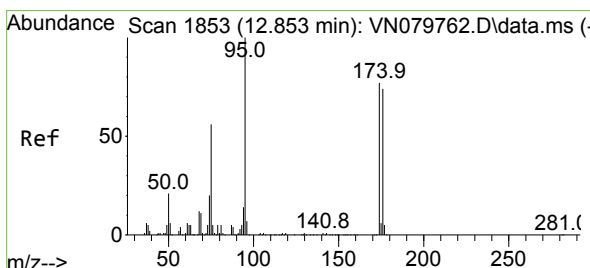
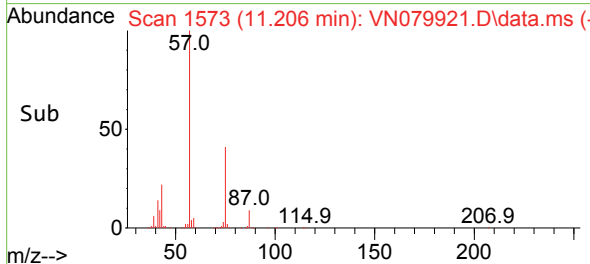
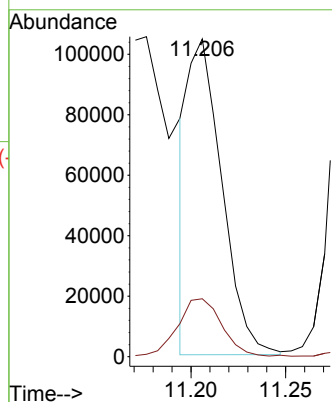
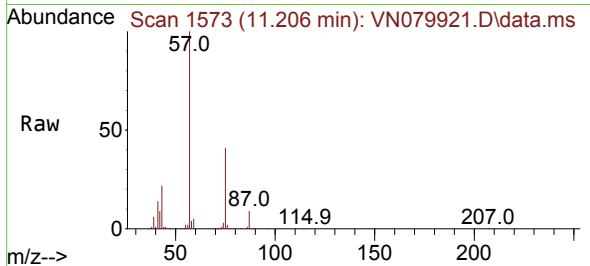




#59
2-Hexanone
Concen: 34.851 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

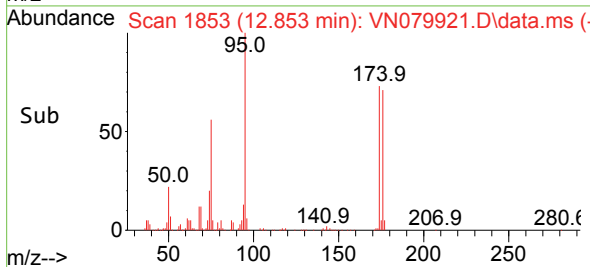
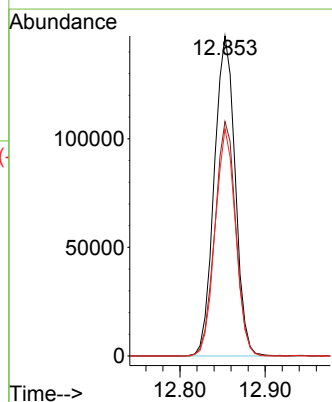
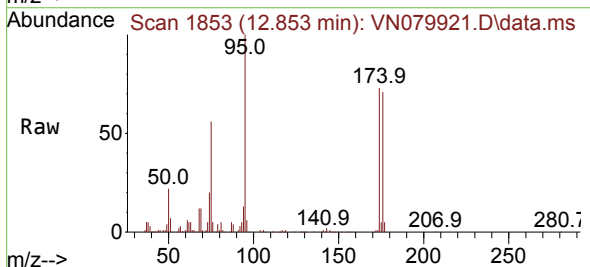
Instrument :
MSVOA_N
ClientSampleId :

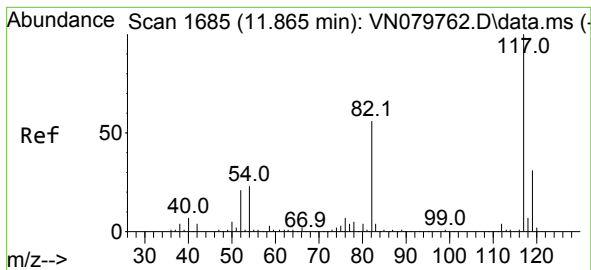
Tgt Ion: 43 Resp: 130479
Ion Ratio Lower Upper
43 100
58 24.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.308 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion: 95 Resp: 250989
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 69.5 0.0 135.8

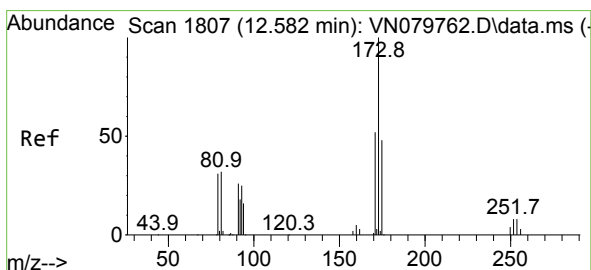
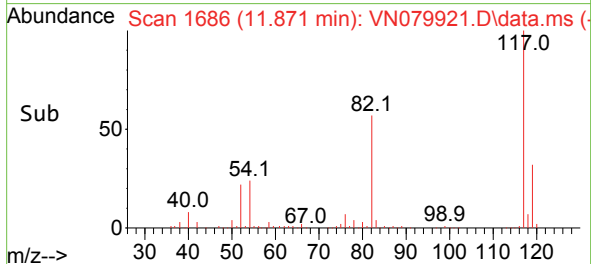
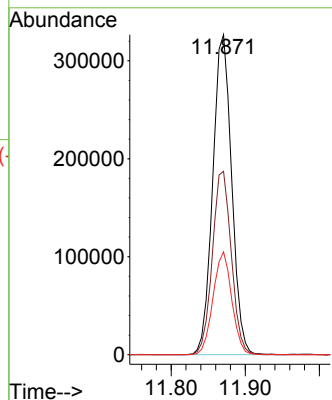
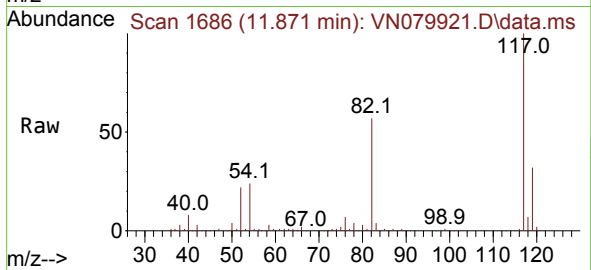




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

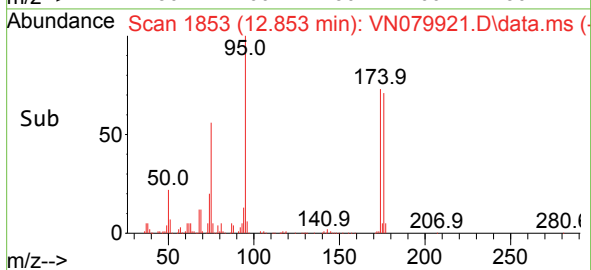
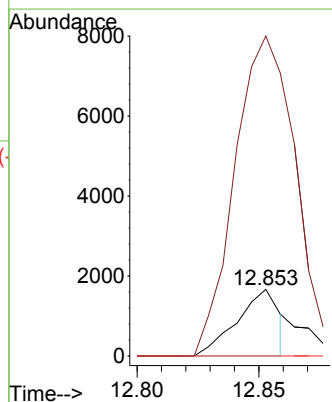
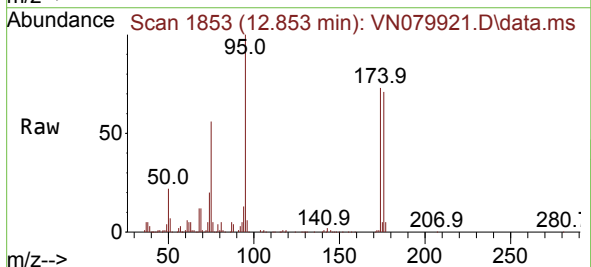
Instrument :
MSVOA_N
ClientSampleId :

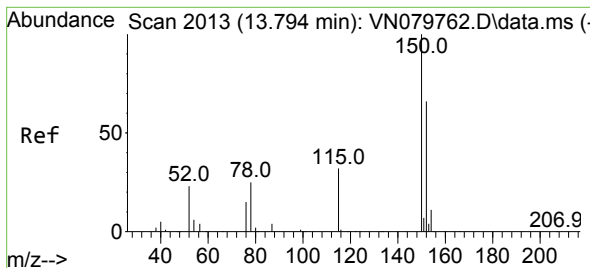
Tgt Ion:117 Resp: 578768
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.625 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079921.D
Acq: 06 Nov 2023 14:33

Tgt Ion:173 Resp: 2008
Ion Ratio Lower Upper
173 100
175 542.9 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

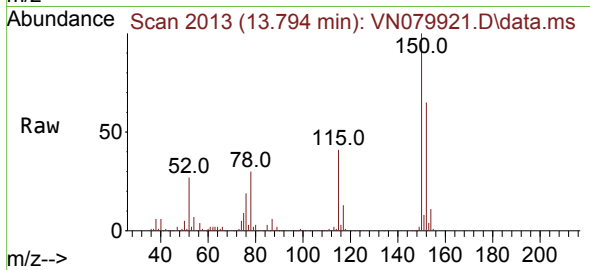
Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Instrument :

MSVOA_N

ClientSampleId :



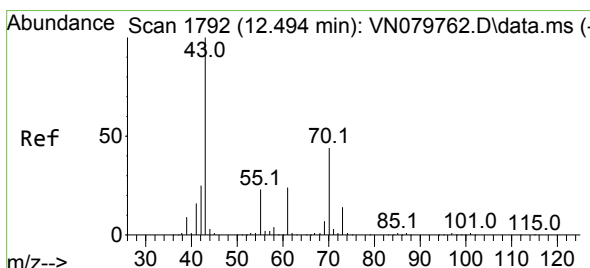
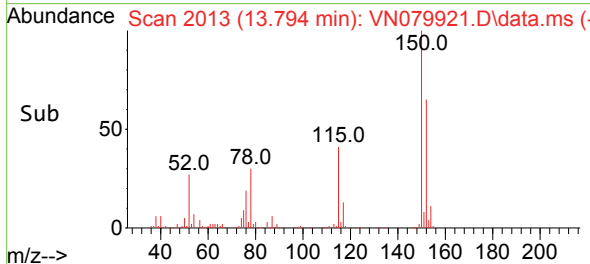
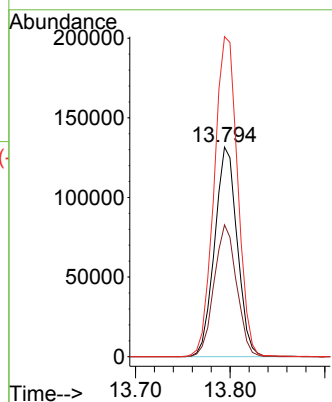
Tgt Ion:152 Resp: 218244

Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 159.0 0.0 355.8



#74

N-ethyl acetate

Concen: 0.255 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Tgt Ion: 43 Resp: 1843

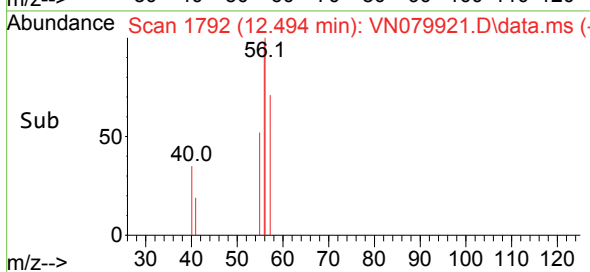
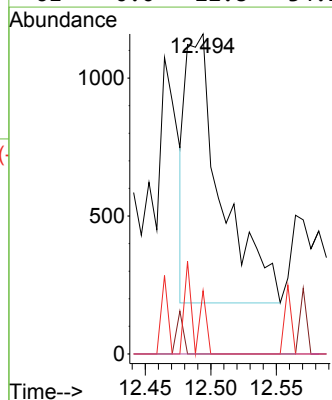
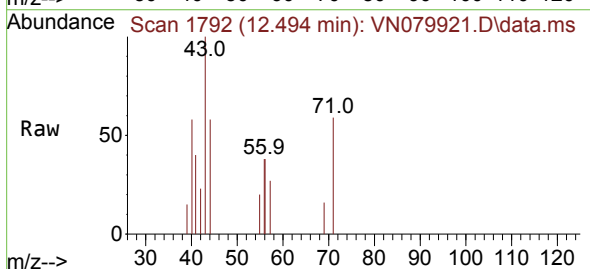
Ion Ratio Lower Upper

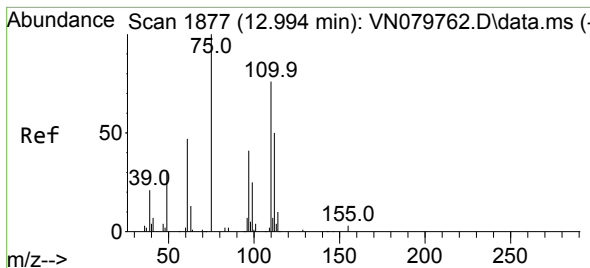
43 100

70 3.0 43.4 65.2#

55 10.8 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.125 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Instrument :

MSVOA_N

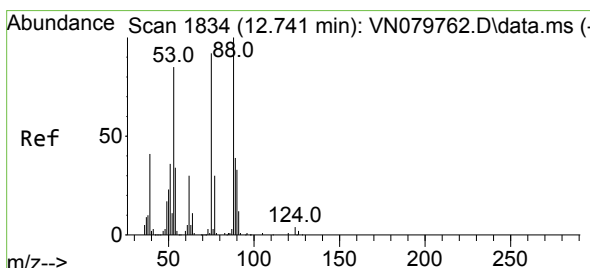
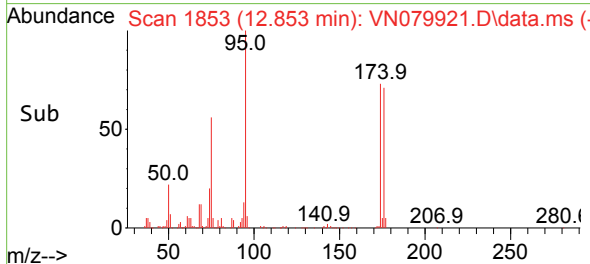
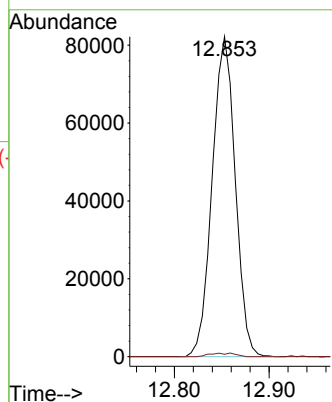
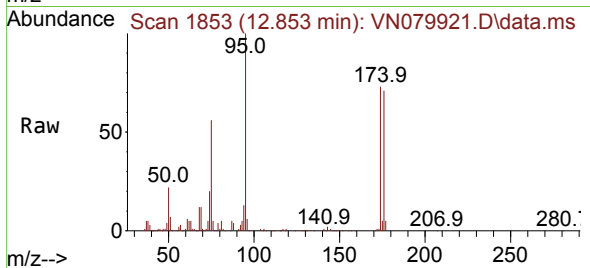
ClientSampleId :

Tgt Ion: 75 Resp: 138983

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.802 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079921.D

Acq: 06 Nov 2023 14:33

Tgt Ion: 75 Resp: 138983

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

