

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079931.D
 Acq On : 06 Nov 2023 18:33
 Operator : JC\MD
 Sample : PB156885ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:52:30 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)

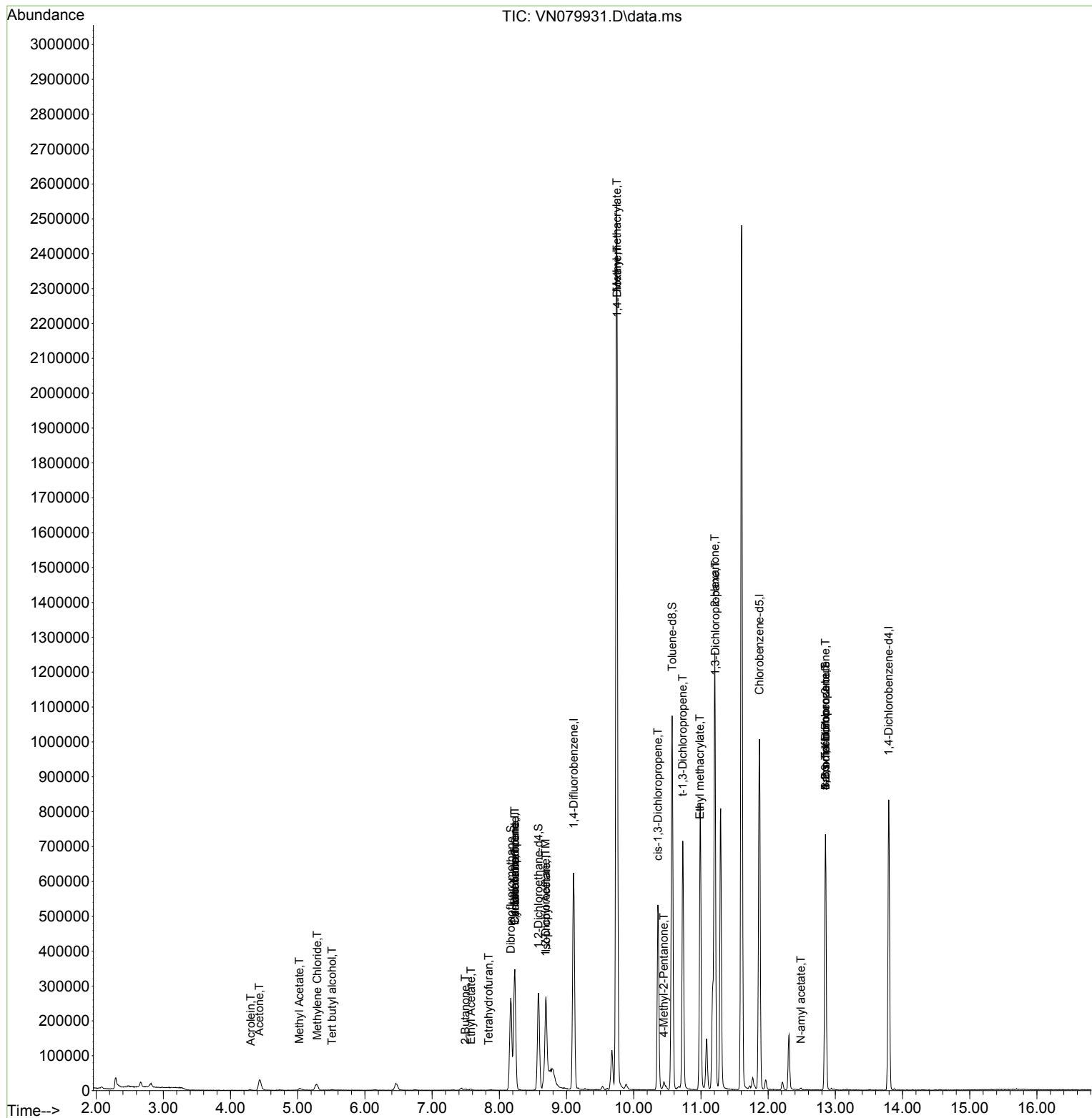
Internal Standards						
1) Pentafluorobenzene	8.230	168	236446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	572079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	227779	63.231	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.460%#			
35) Dibromofluoromethane	8.171	113	187950	51.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.100%			
50) Toluene-d8	10.571	98	710722	52.439	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.880%			
62) 4-Bromofluorobenzene	12.853	95	244688	54.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.880%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1453	Below Cal		97
11) Tert butyl alcohol	5.512	59	1424	3.097 ug/l #		72
13) Acrolein	4.301	56	73	2.747 ug/l #		16
16) Acetone	4.430	43	59154	46.749 ug/l #		85
18) Methyl Acetate	5.024	43	10844	1.791 ug/l #		59
20) Methylene Chloride	5.289	84	12904	4.042 ug/l		89
25) 2-Butanone	7.494	43	5493	2.964 ug/l #		80
29) Tetrahydrofuran	7.841	42	444	0.368 ug/l #		31
31) Cyclohexane	8.230	56	6480	1.361 ug/l #		9
36) 1,1-Dichloropropene	8.230	75	22908	4.358 ug/l #		47
37) Ethyl Acetate	7.577	43	6386	1.325 ug/l #		74
38) Carbon Tetrachloride	8.230	117	26819	5.062 ug/l #		14
42) 1,2-Dichloroethane	8.688	62	1852	0.337 ug/l #		73
43) Isopropyl Acetate	8.694	43	350038	41.402 ug/l #		73
48) Methyl methacrylate	9.747	41	239585	64.697 ug/l #		28
49) 1,4-Dioxane	9.753	88	229	3.500 ug/l #		1
51) 4-Methyl-2-Pentanone	10.447	43	21798	4.580 ug/l #		69
53) t-1,3-Dichloropropene	10.730	75	1838	0.320 ug/l #		1
54) cis-1,3-Dichloropropene	10.359	75	89440	14.286 ug/l #		73
56) Ethyl methacrylate	10.982	69	4121	0.770 ug/l #		1
57) 1,3-Dichloropropane	11.212	76	12458	1.883 ug/l #		42
59) 2-Hexanone	11.206	43	151845	41.701 ug/l #		48
71) Bromoform	12.853	173	1779	0.560 ug/l #		1
74) N-amyl acetate	12.488	43	1954	0.280 ug/l #		36
76) 1,2,3-Trichloropropane	12.853	75	131576	26.650 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	131576	72.509 ug/l #		15

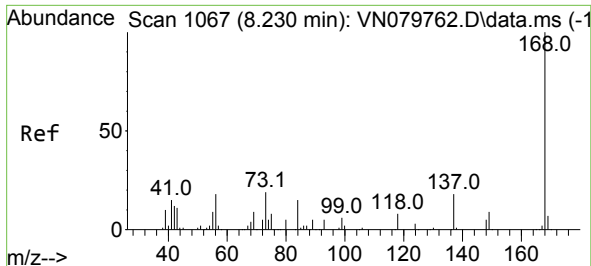
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

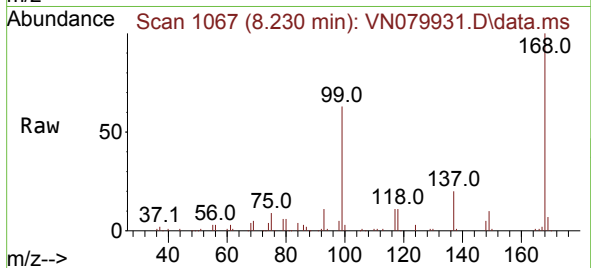
Quant Time: Nov 07 04:52:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



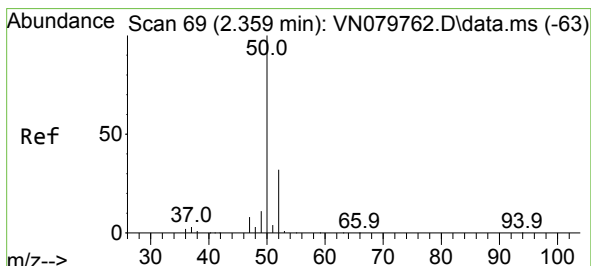
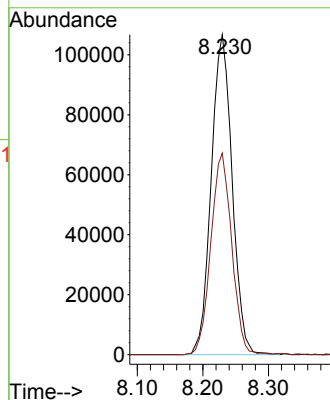
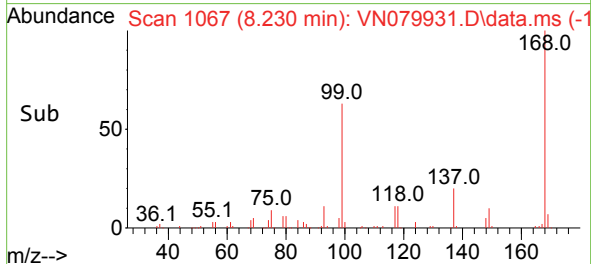


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :

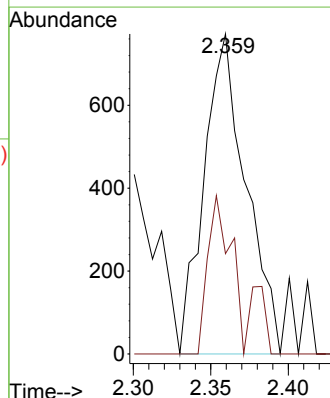
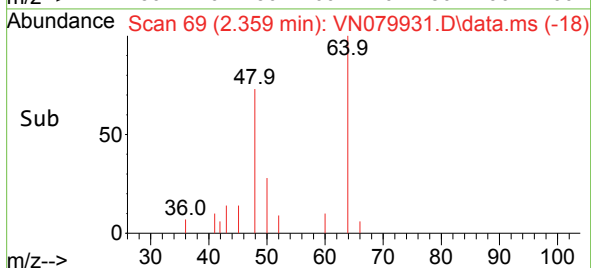
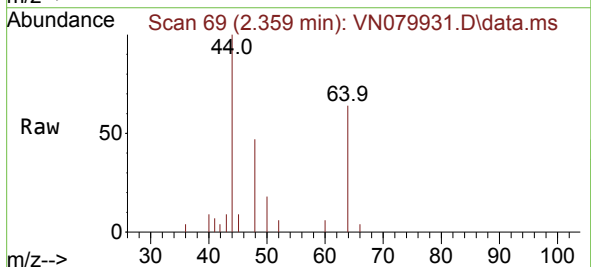


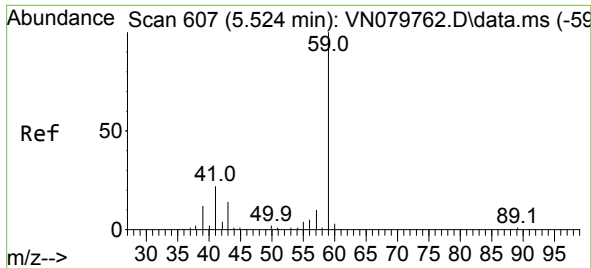
Tgt Ion:168 Resp: 236446
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

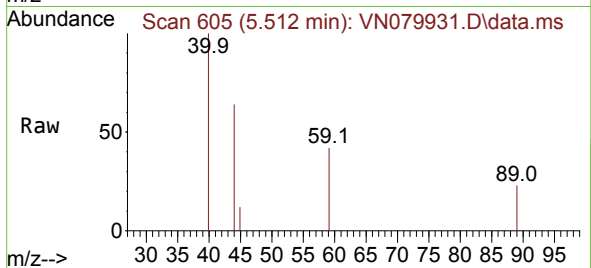
Tgt Ion: 50 Resp: 1453
Ion Ratio Lower Upper
50 100
52 31.3 26.5 39.7



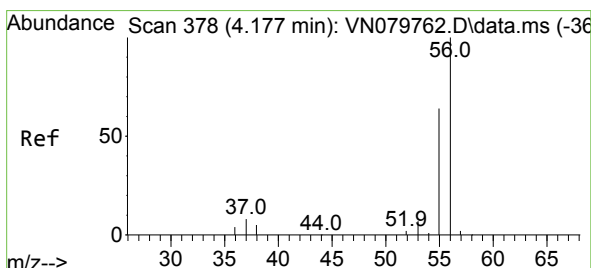
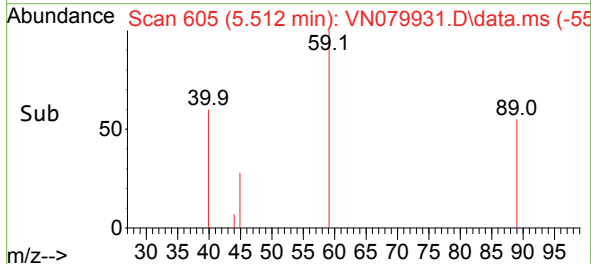
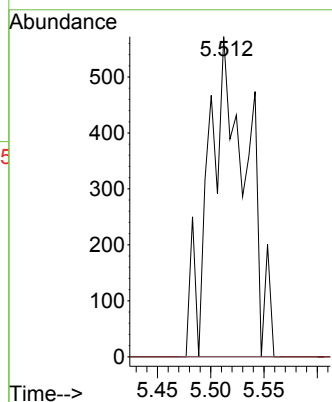


#11
Tert butyl alcohol
Concen: 3.097 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :

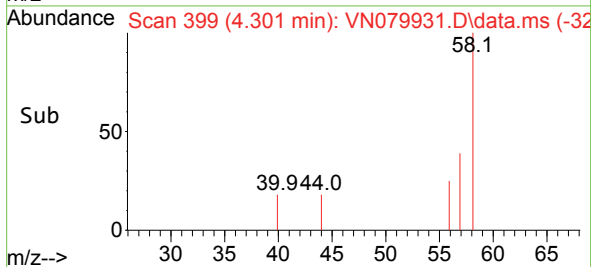
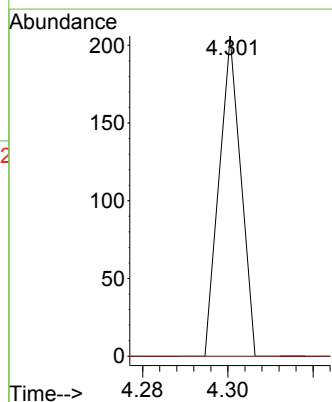
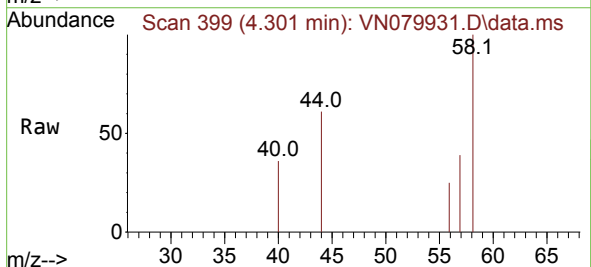


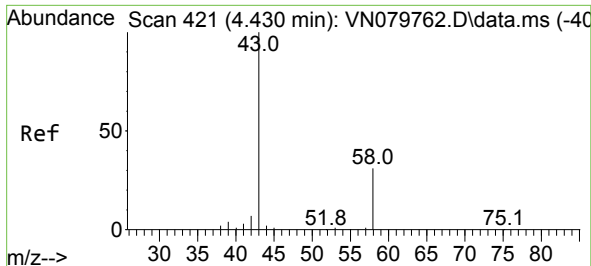
Tgt Ion: 59 Resp: 1424
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.747 ug/l
RT: 4.301 min Scan# 399
Delta R.T. 0.118 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

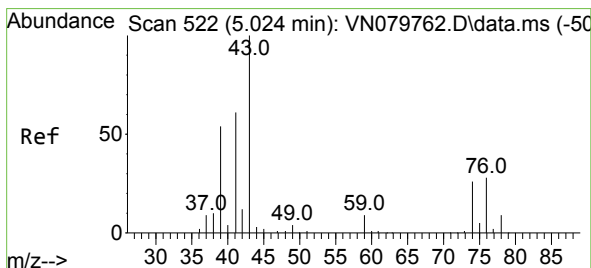
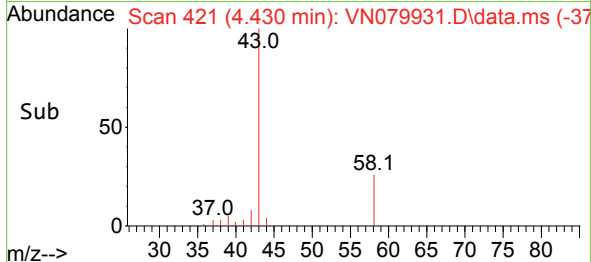
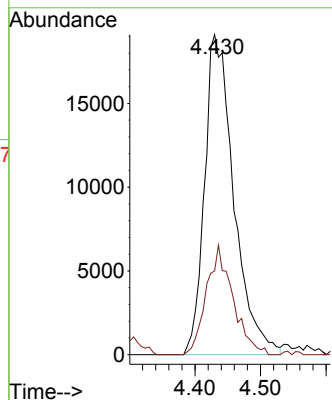
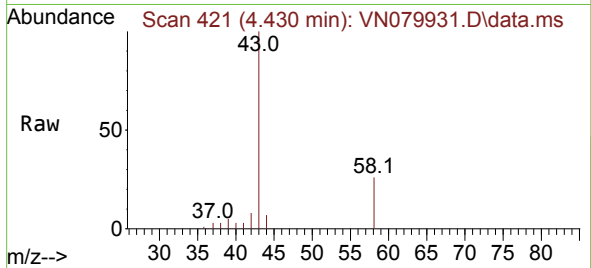




#16
Acetone
Concen: 46.749 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

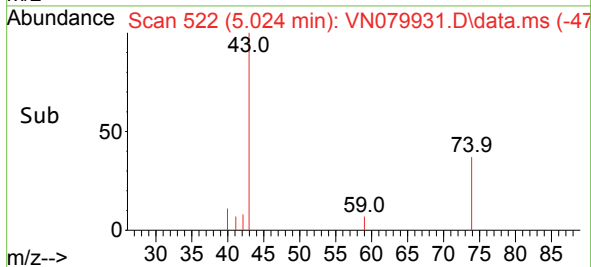
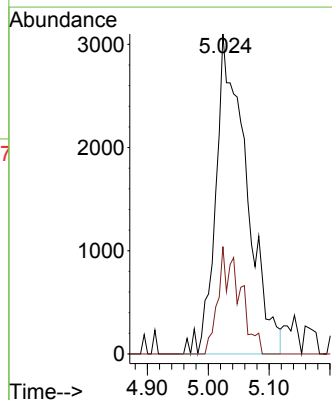
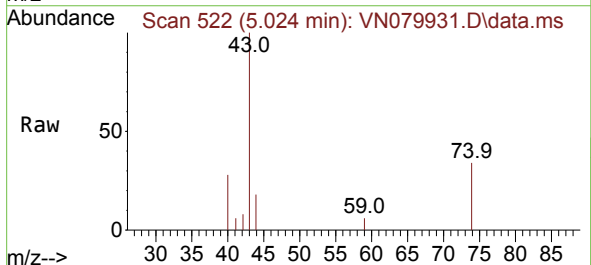
Instrument :
MSVOA_N
ClientSampleId :

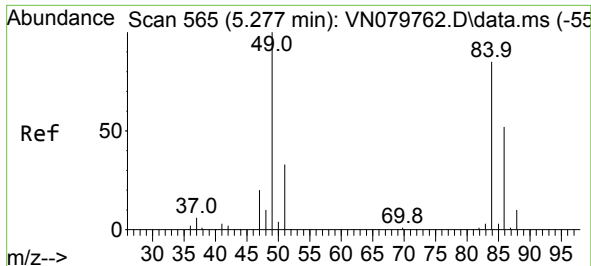
Tgt Ion: 43 Resp: 59154
Ion Ratio Lower Upper
43 100
58 26.1 28.0 42.0#



#18
Methyl Acetate
Concen: 1.791 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

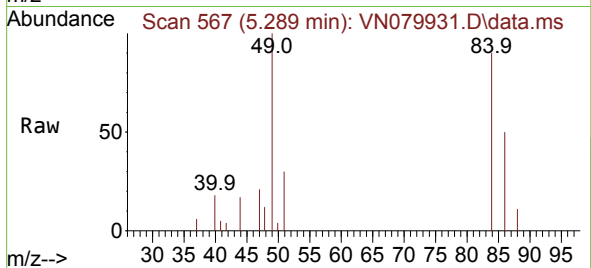
Tgt Ion: 43 Resp: 10844
Ion Ratio Lower Upper
43 100
74 9.8 26.2 39.4#



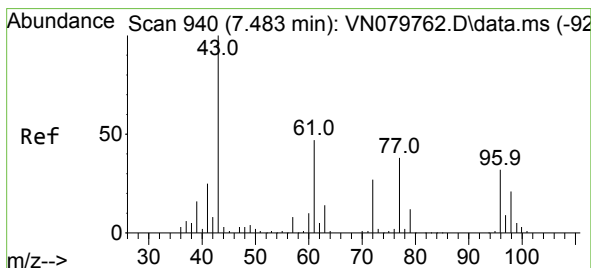
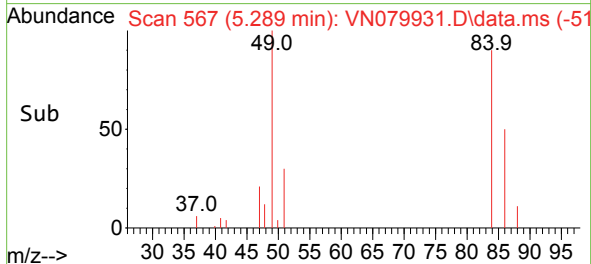
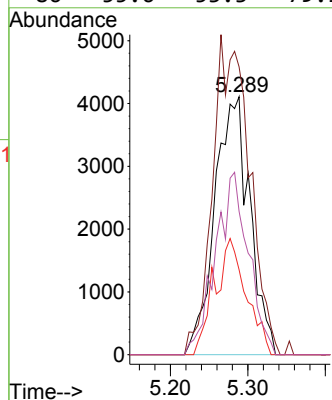


#20
Methylene Chloride
Concen: 4.042 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :

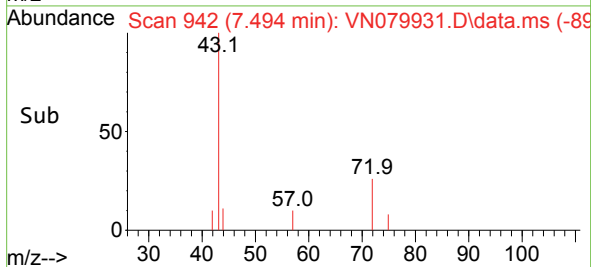
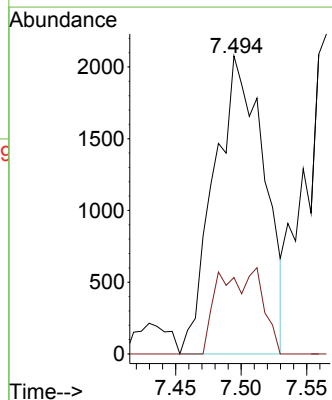
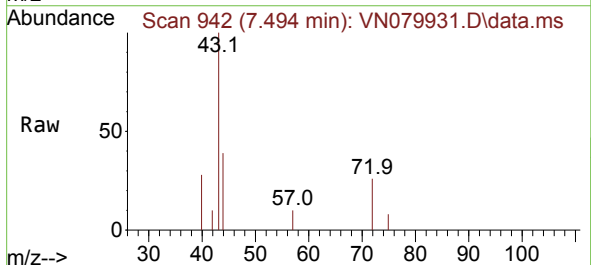


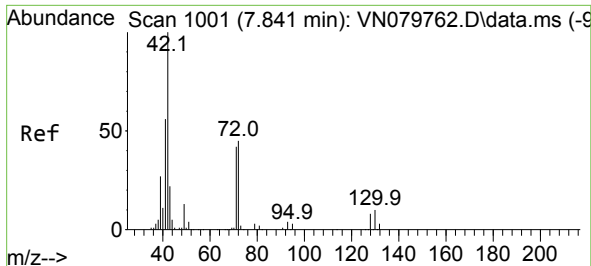
Tgt Ion: 84	Resp: 12904
Ion Ratio	Lower Upper
84 100	
49 111.6	79.7 119.5
51 33.0	25.2 37.8
86 55.6	53.3 79.9



#25
2-Butanone
Concen: 2.964 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

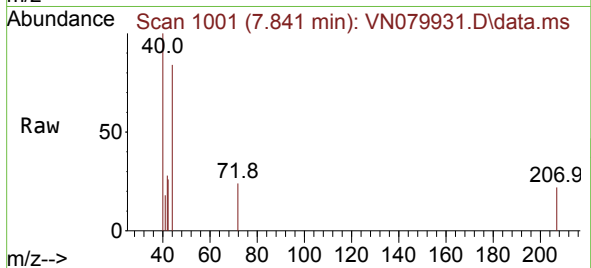
Tgt Ion: 43	Resp: 5493
Ion Ratio	Lower Upper
43 100	
72 25.7	30.2 45.2#



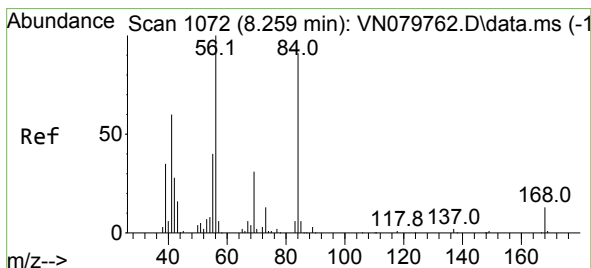
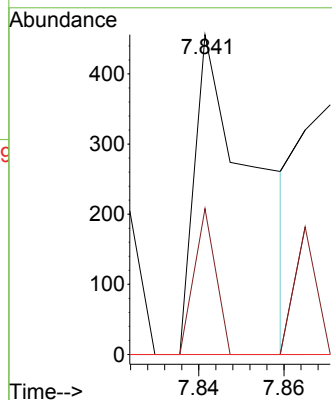
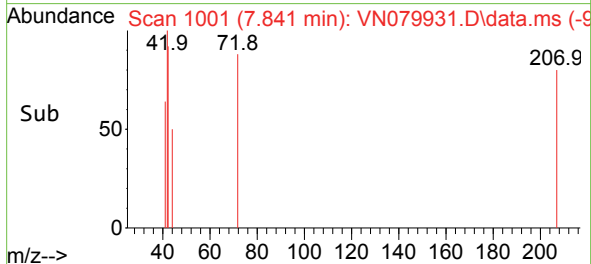


#29
Tetrahydrofuran
Concen: 0.368 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

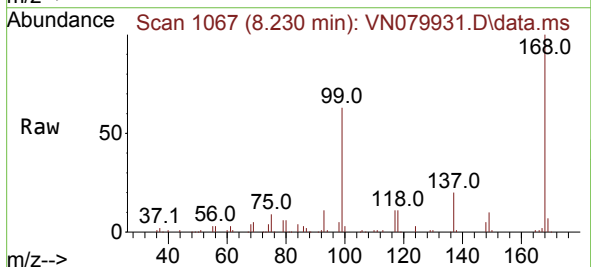
Instrument :
MSVOA_N
ClientSampleId :



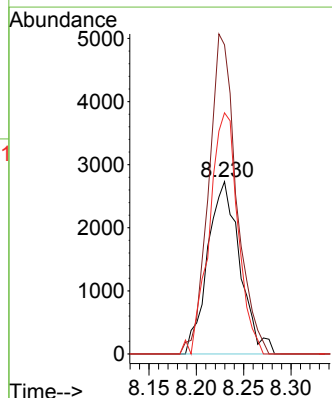
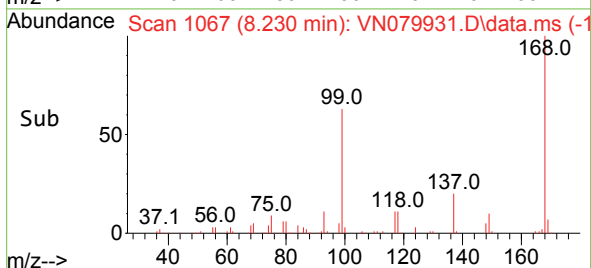
Tgt Ion: 42 Resp: 444
Ion Ratio Lower Upper
42 100
72 16.4 49.8 74.6#
71 0.0 47.4 71.2#

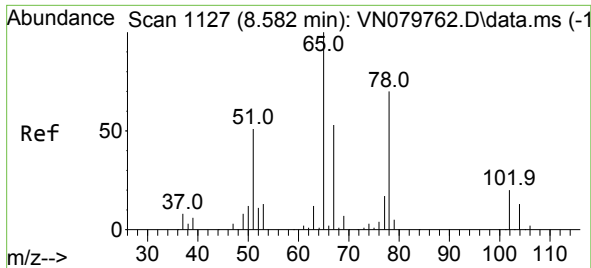


#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33



Tgt Ion: 56 Resp: 6480
Ion Ratio Lower Upper
56 100
69 179.3 26.8 40.2#
84 139.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 63.231 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

Instrument :

MSVOA_N

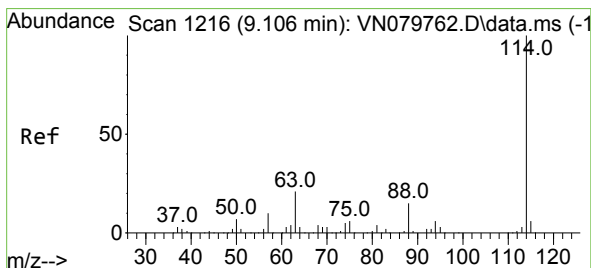
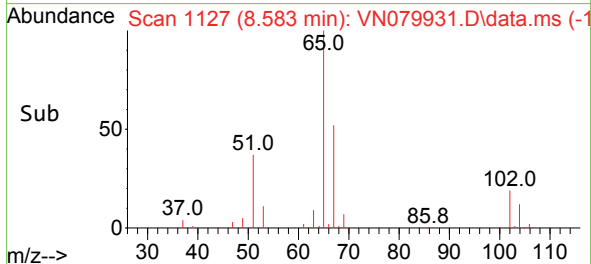
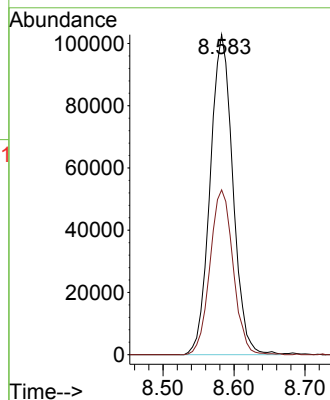
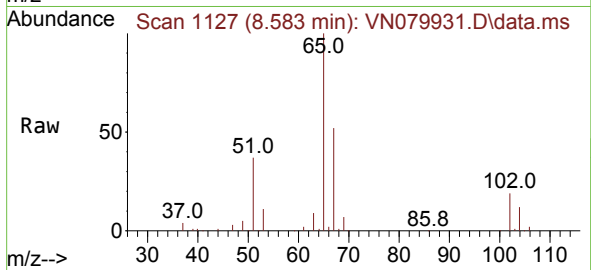
ClientSampleId :

Tgt Ion: 65 Resp: 227779

Ion Ratio Lower Upper

65 100

67 52.5 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: VN079931.D

Acq: 06 Nov 2023 18:33

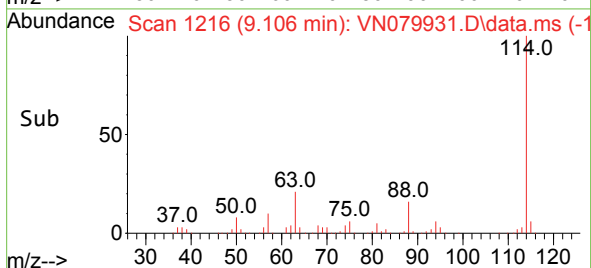
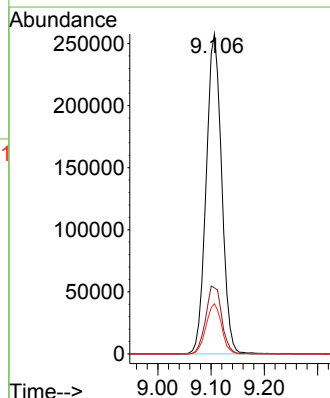
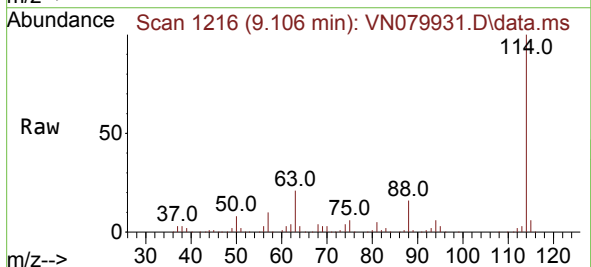
Tgt Ion: 114 Resp: 520173

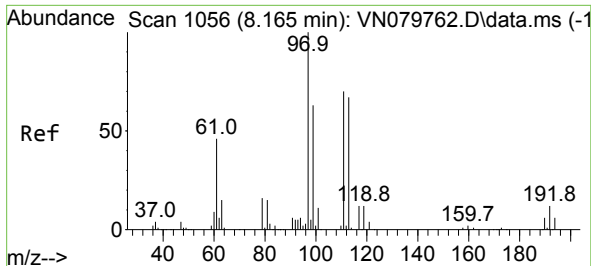
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.052 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

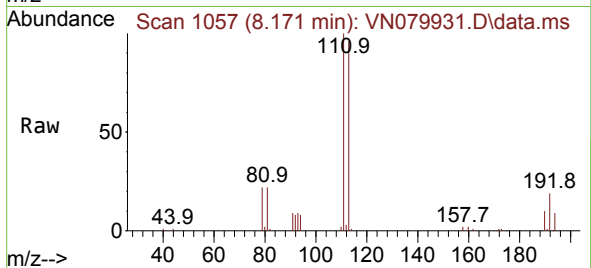
Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :



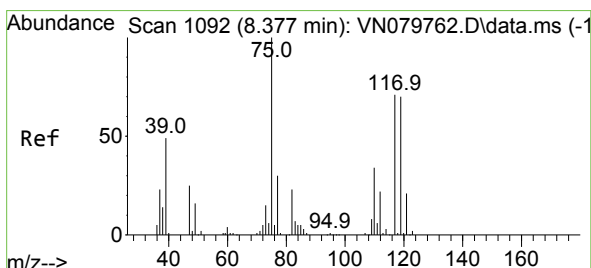
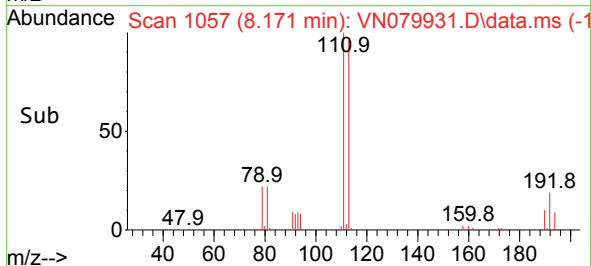
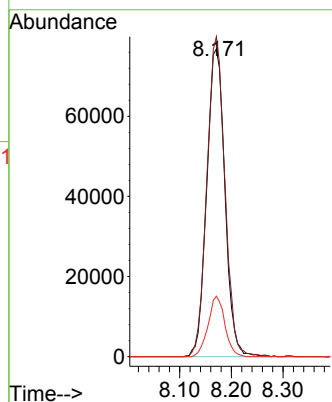
Tgt Ion:113 Resp: 187950

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 18.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.358 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

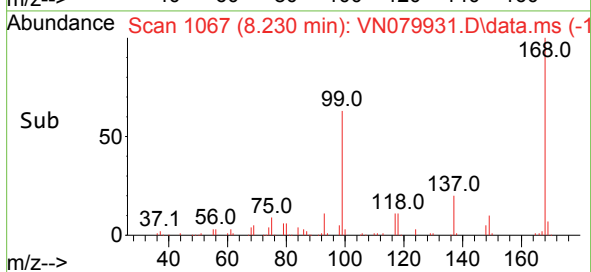
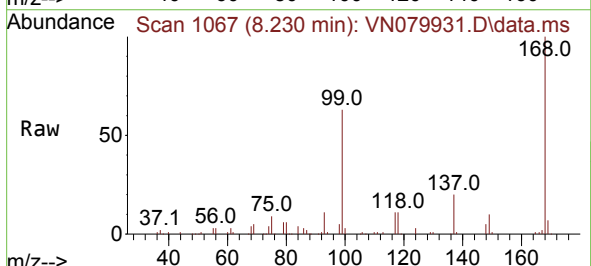
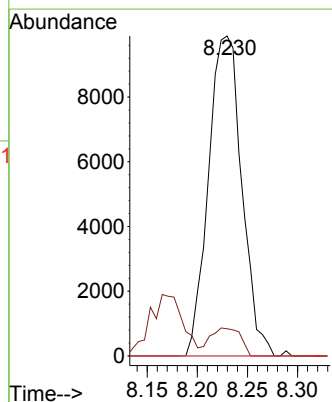
Tgt Ion: 75 Resp: 22908

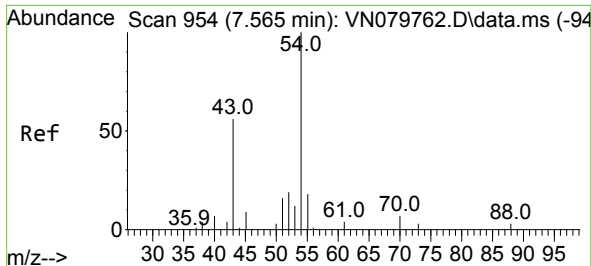
Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

77 0.0 25.0 37.4#

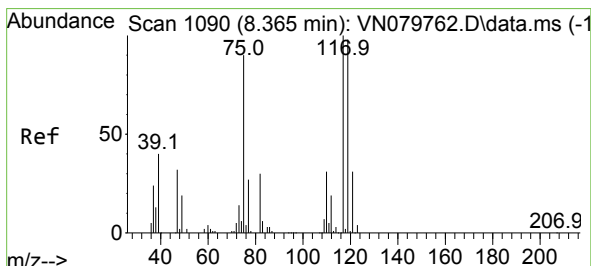
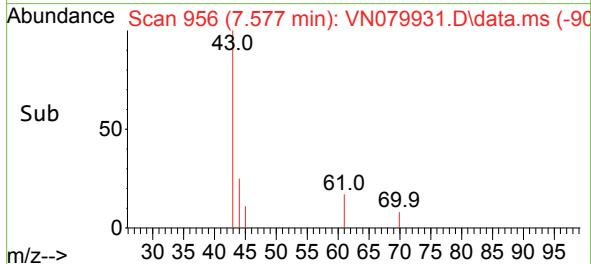
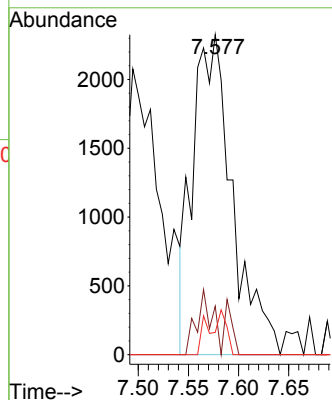
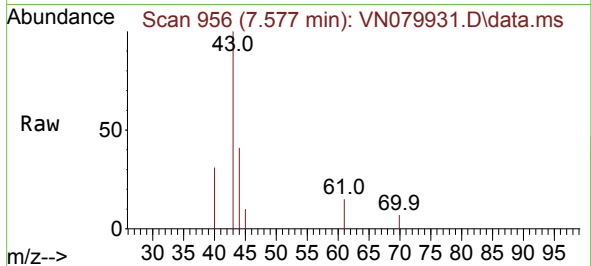




#37
Ethyl Acetate
Concen: 1.325 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

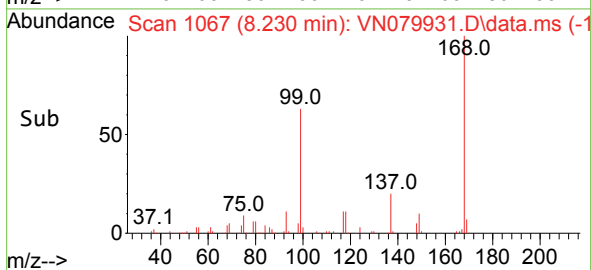
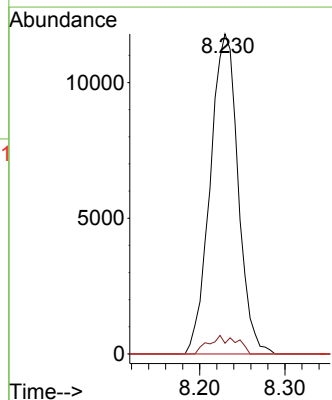
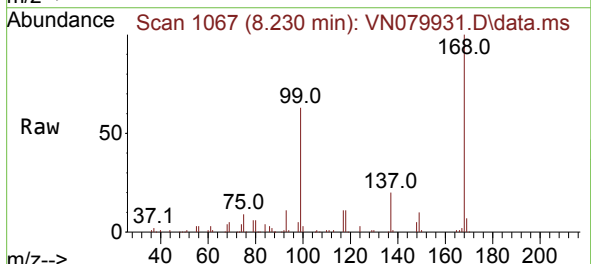
Instrument :
MSVOA_N
ClientSampleId :

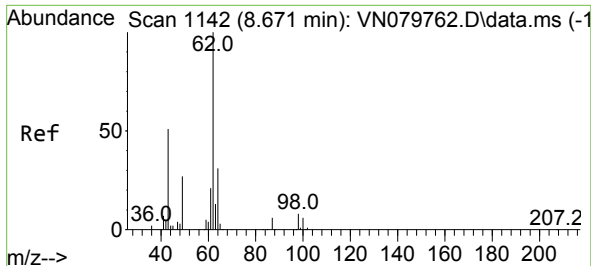
Tgt Ion: 43 Resp: 6386
Ion Ratio Lower Upper
43 100
61 3.3 13.2 19.8#
70 6.2 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.062 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Tgt Ion: 117 Resp: 26819
Ion Ratio Lower Upper
117 100
119 3.3 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.337 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

Instrument :

MSVOA_N

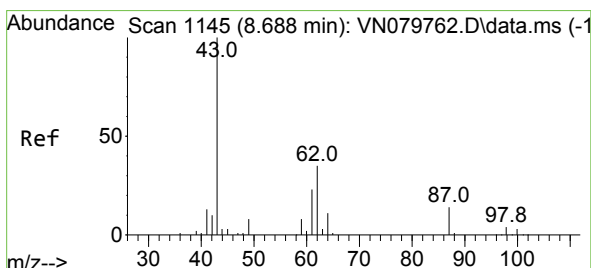
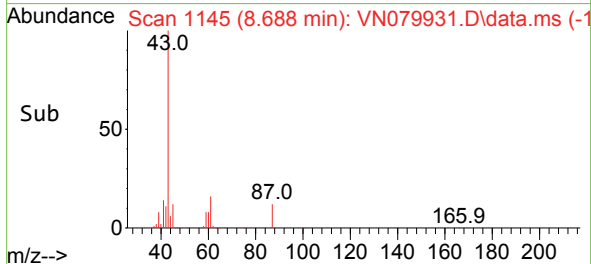
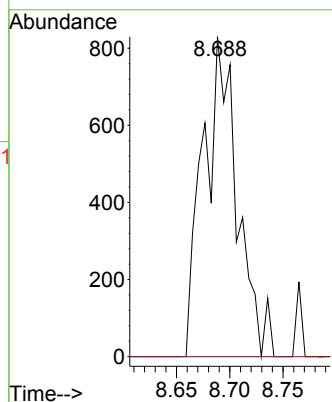
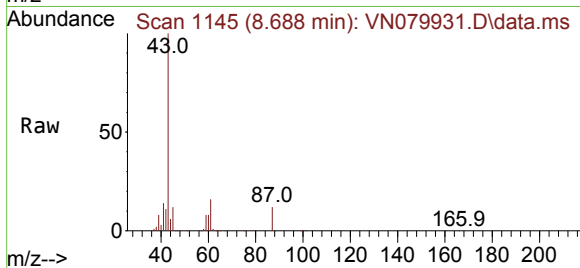
ClientSampleId :

Tgt Ion: 62 Resp: 1852

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 41.402 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

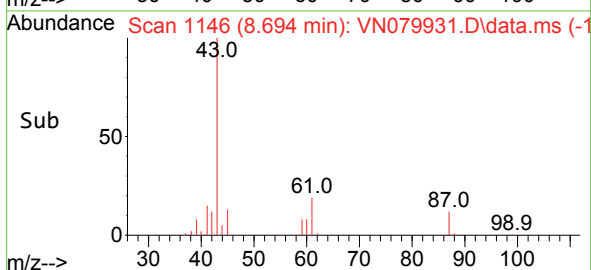
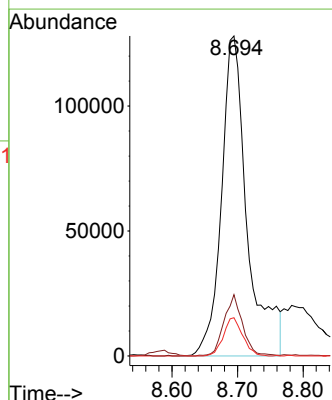
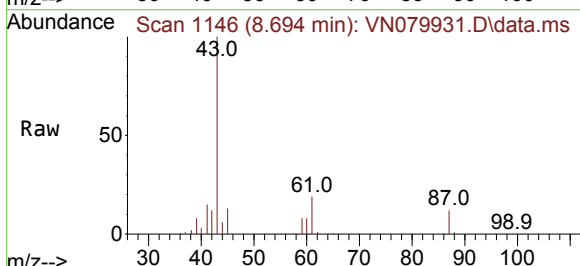
Tgt Ion: 43 Resp: 350038

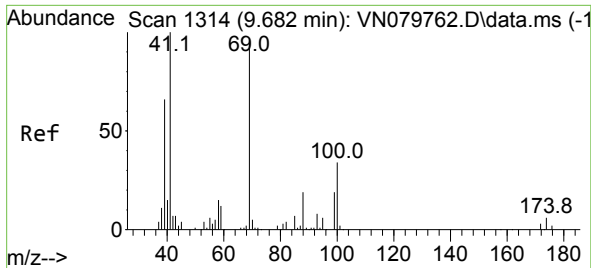
Ion Ratio Lower Upper

43 100

61 13.9 24.7 37.1#

87 8.9 14.6 21.8#

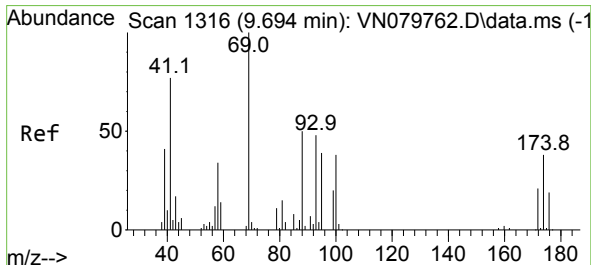
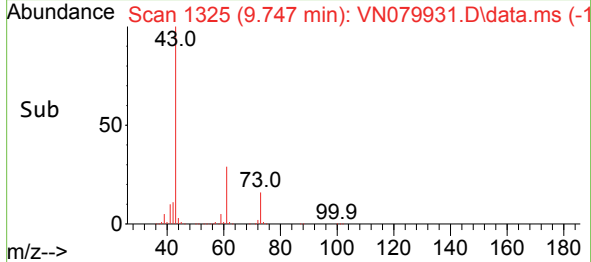
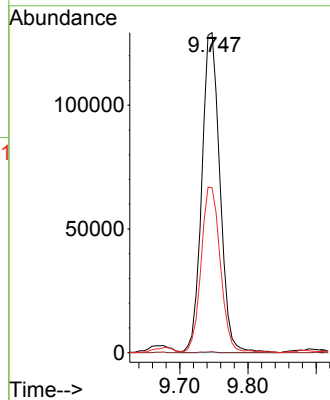
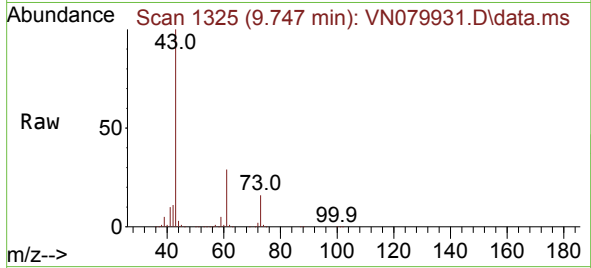




#48
Methyl methacrylate
Concen: 64.697 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

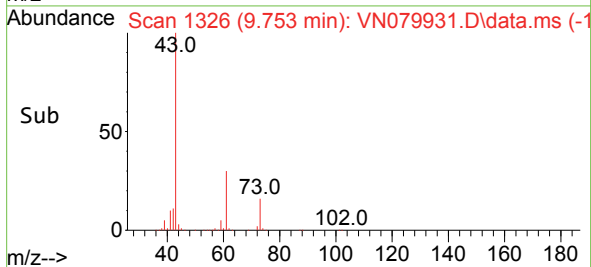
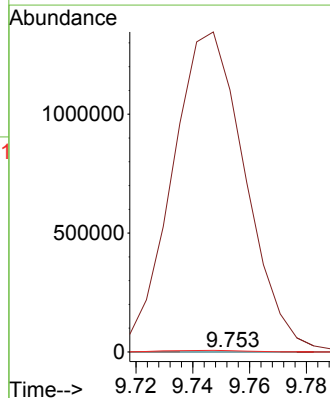
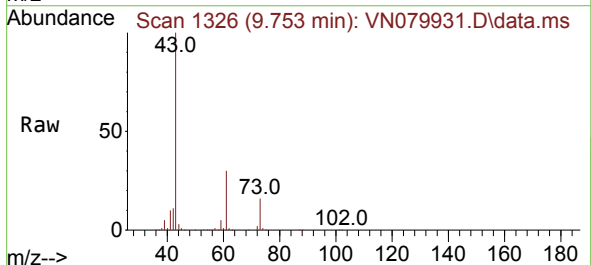
Instrument :
MSVOA_N
ClientSampleId :

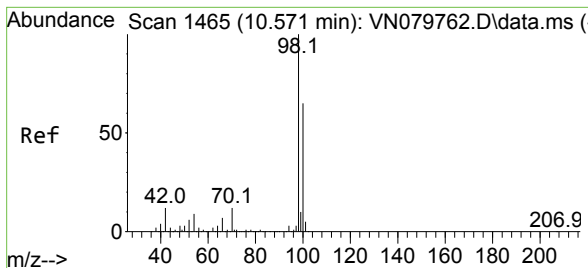
Tgt Ion: 41 Resp: 239585
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 55.0 54.6 81.8



#49
1,4-Dioxane
Concen: 3.500 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 1065841.0 17.0 25.6#
58 5508.3 47.0 70.4#

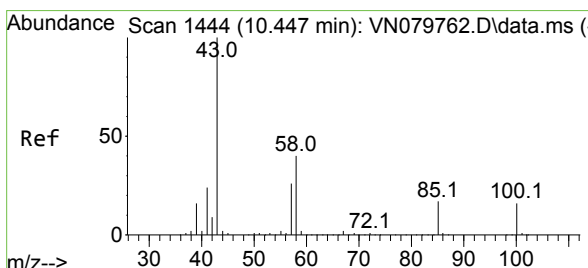
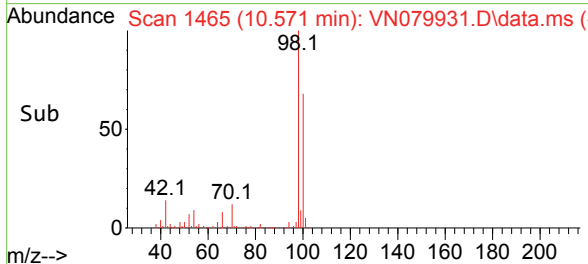
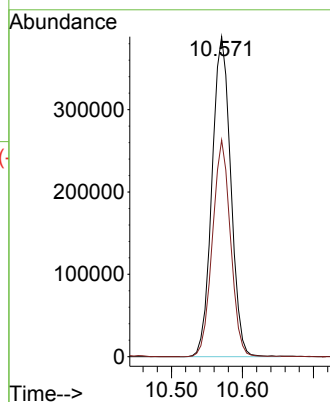
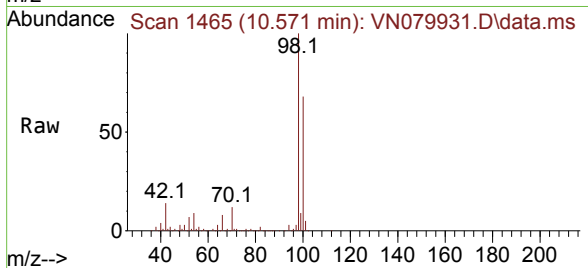




#50
Toluene-d8
Concen: 52.439 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

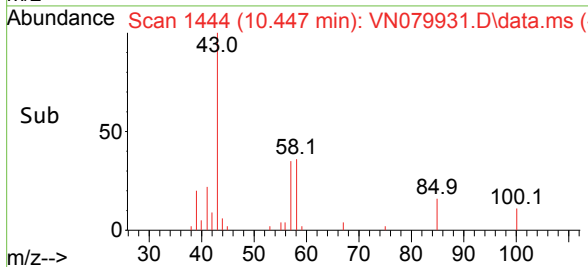
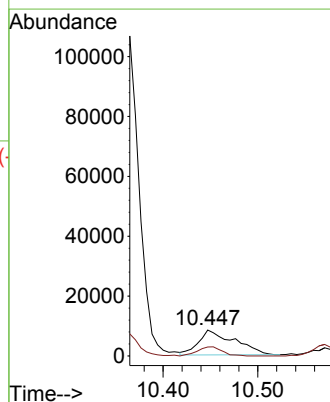
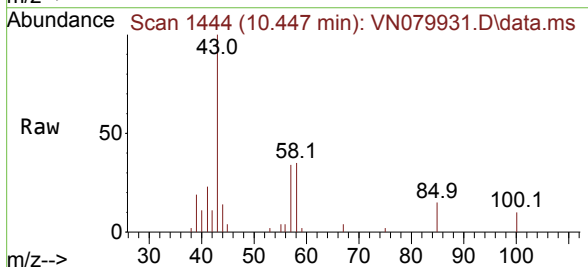
Instrument :
MSVOA_N
ClientSampleId :

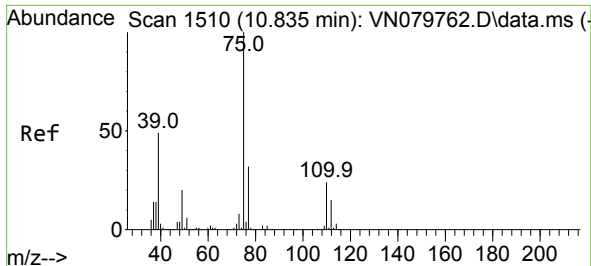
Tgt Ion: 98 Resp: 710722
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.580 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

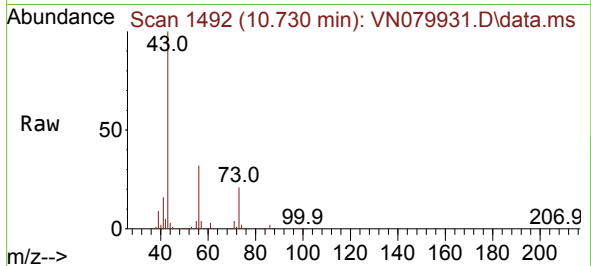
Tgt Ion: 43 Resp: 21798
Ion Ratio Lower Upper
43 100
58 25.3 36.6 54.8#



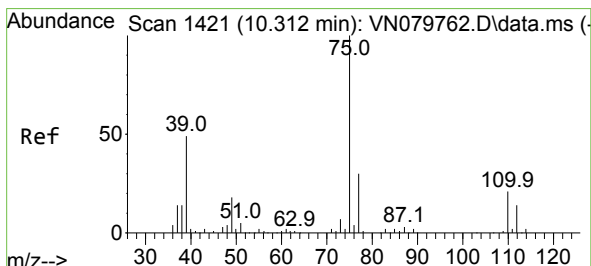
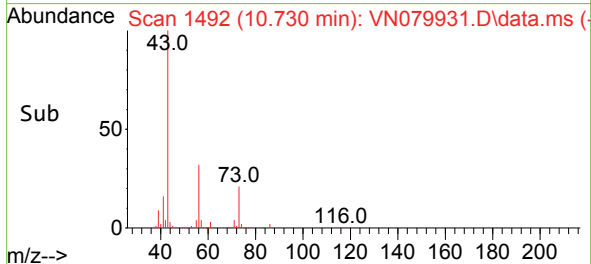
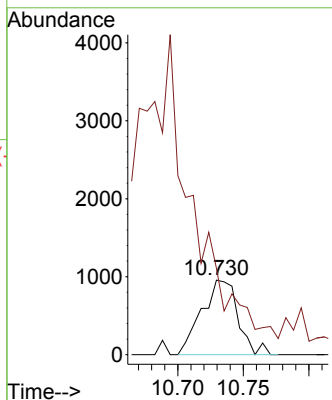


#53
 t-1,3-Dichloropropene
 Concen: 0.320 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079931.D
 Acq: 06 Nov 2023 18:33

Instrument :
 MSVOA_N
 ClientSampleId :

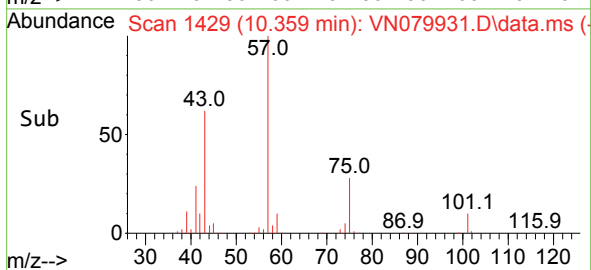
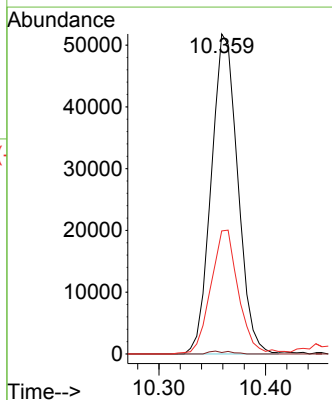
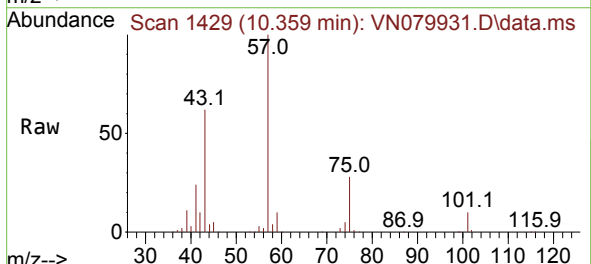


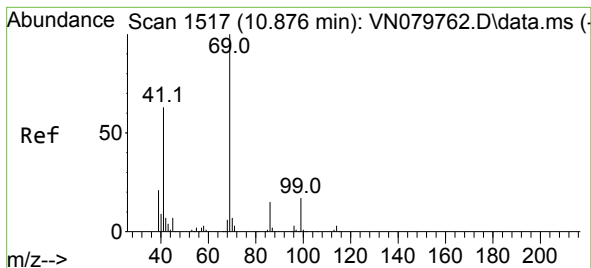
Tgt Ion: 75 Resp: 1838
 Ion Ratio Lower Upper
 75 100
 77 94.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.286 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079931.D
 Acq: 06 Nov 2023 18:33

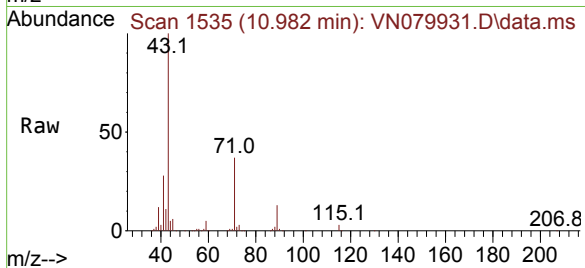
Tgt Ion: 75 Resp: 89440
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 38.2 31.6 47.4



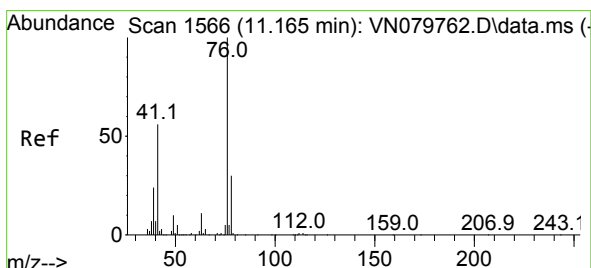
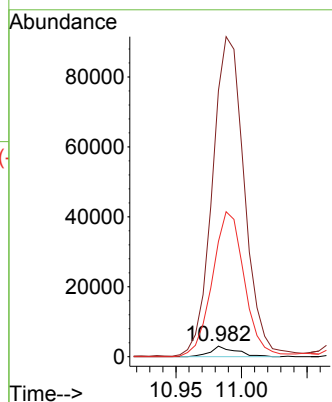
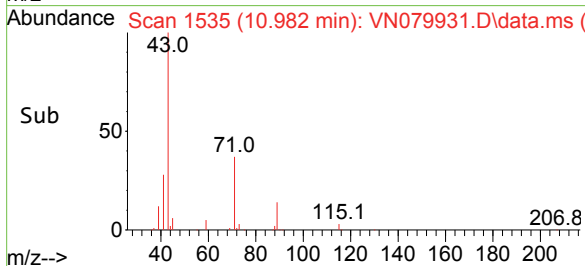


#56
Ethyl methacrylate
Concen: 0.770 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :

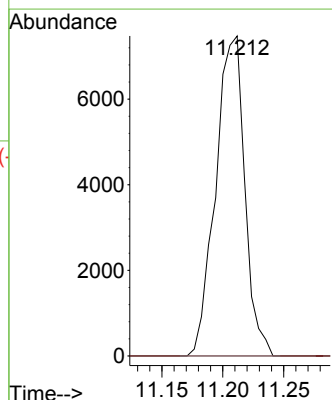
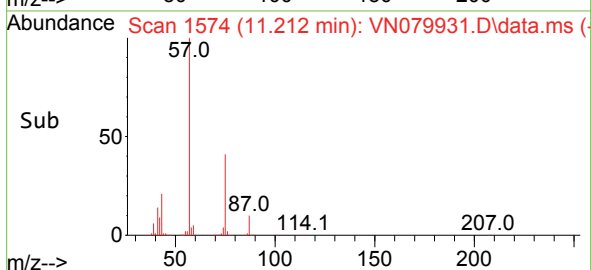
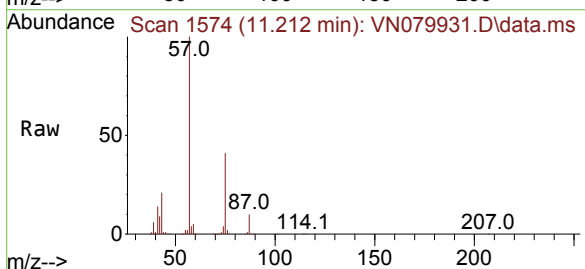


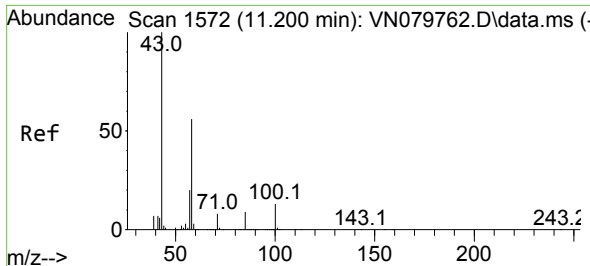
Tgt Ion: 69 Resp: 4121
Ion Ratio Lower Upper
69 100
41 3770.8 39.6 59.4#
39 1716.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.883 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Tgt Ion: 76 Resp: 12458
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

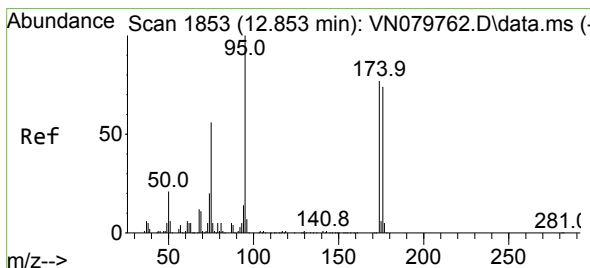
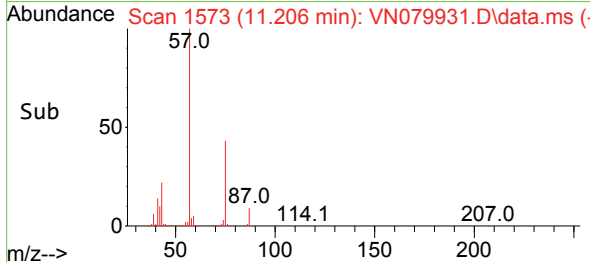
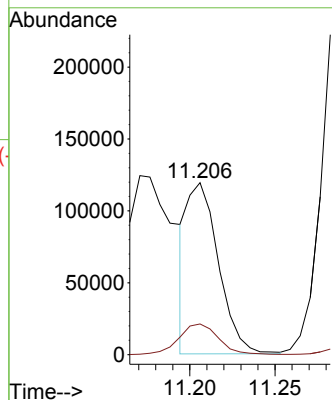
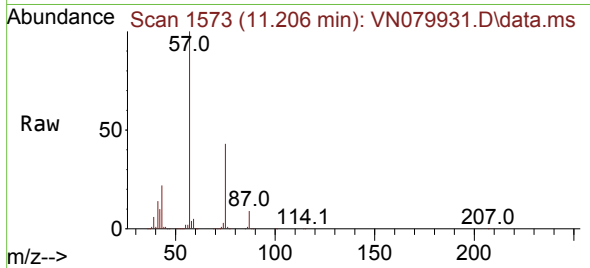




#59
2-Hexanone
Concen: 41.701 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

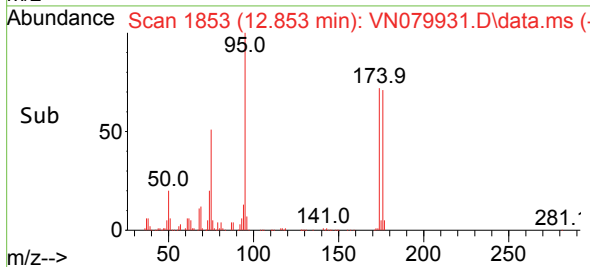
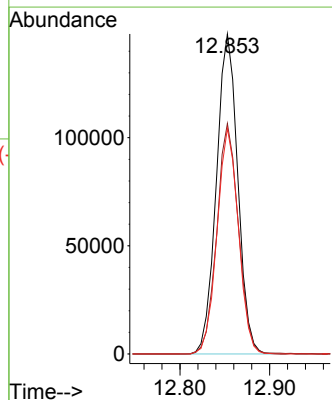
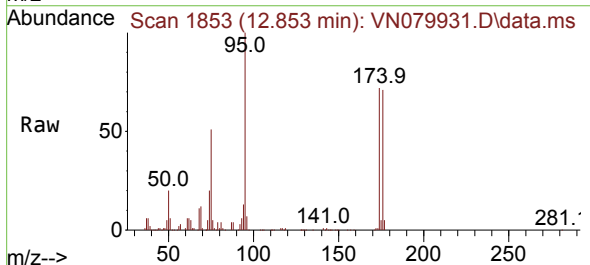
Instrument :
MSVOA_N
ClientSampleId :

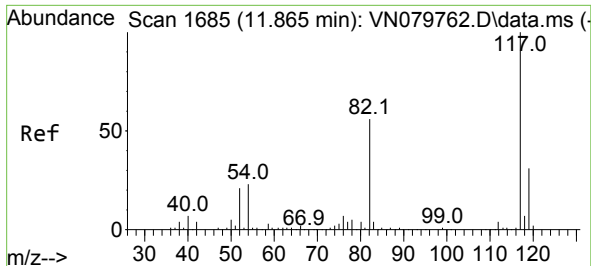
Tgt Ion: 43 Resp: 151845
Ion Ratio Lower Upper
43 100
58 23.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.437 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

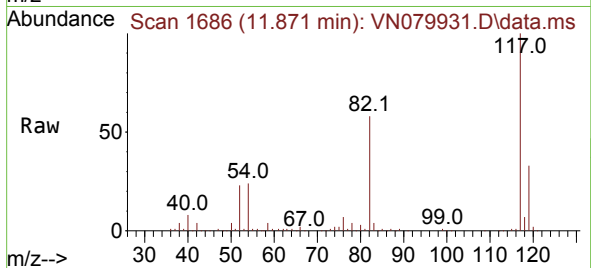
Tgt Ion: 95 Resp: 244688
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.8
176 70.1 0.0 135.8



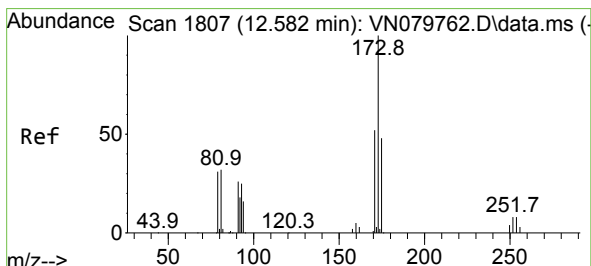
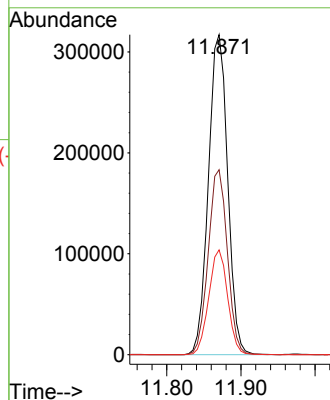
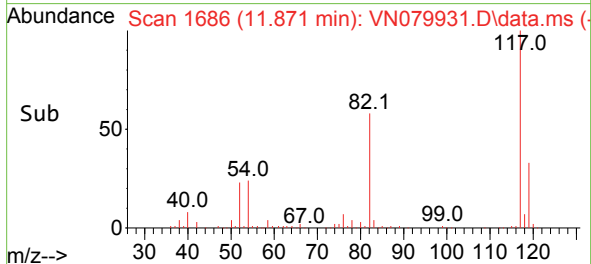


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

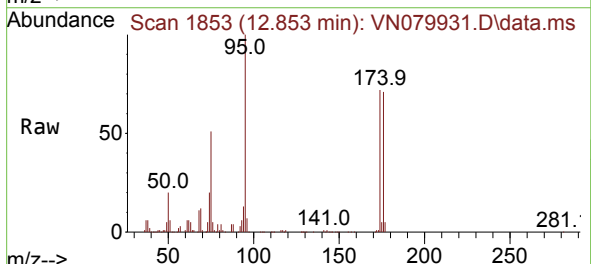
Instrument :
MSVOA_N
ClientSampleId :



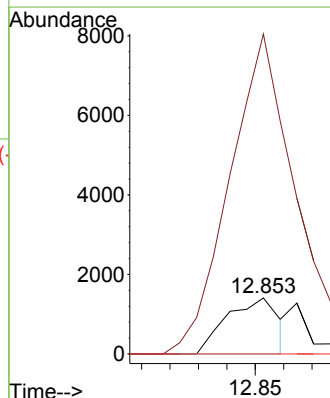
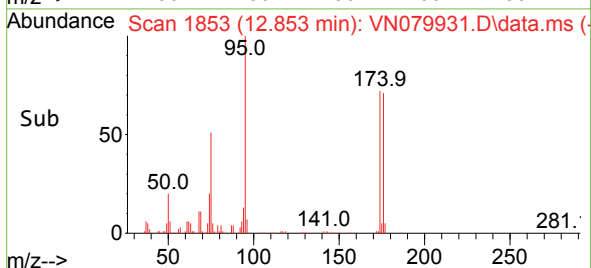
Tgt Ion:117 Resp: 572079
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.7 25.6 38.4

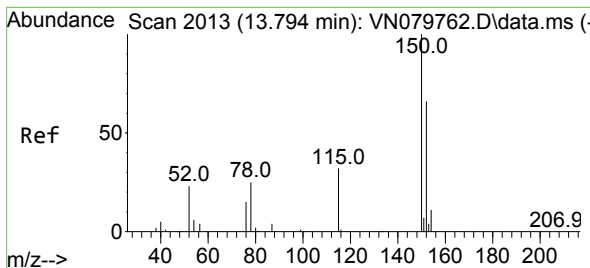


#71
Bromoform
Concen: 0.560 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33



Tgt Ion:173 Resp: 1779
Ion Ratio Lower Upper
173 100
175 563.9 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

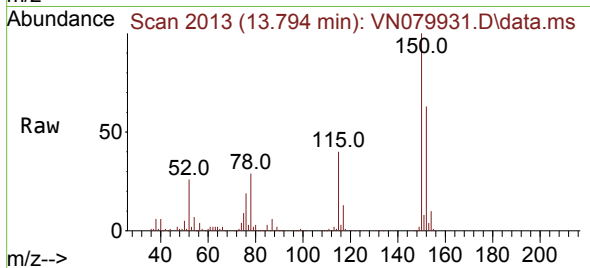
Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

Instrument :

MSVOA_N

ClientSampleId :



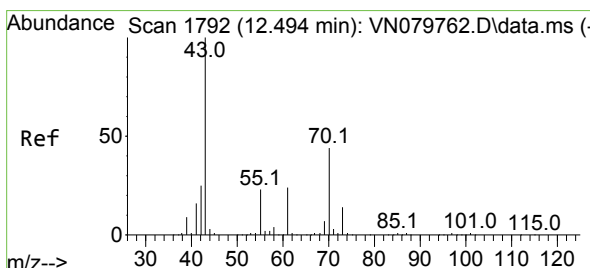
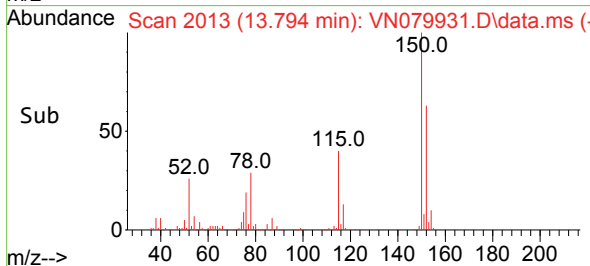
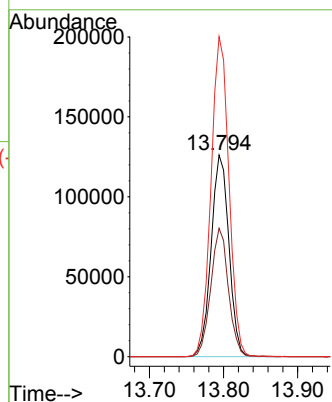
Tgt Ion:152 Resp: 210297

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 159.8 0.0 355.8



#74

N-ethyl acetate

Concen: 0.280 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN079931.D

Acq: 06 Nov 2023 18:33

Tgt Ion: 43 Resp: 1954

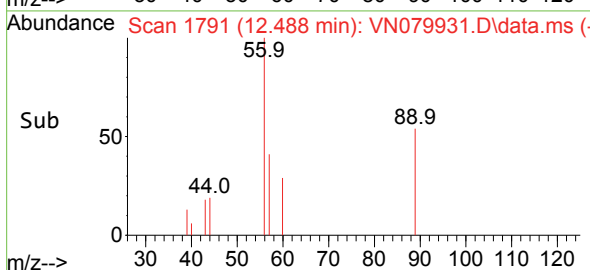
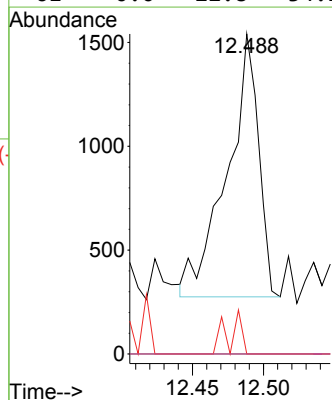
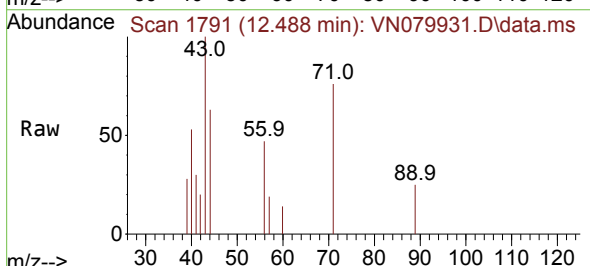
Ion Ratio Lower Upper

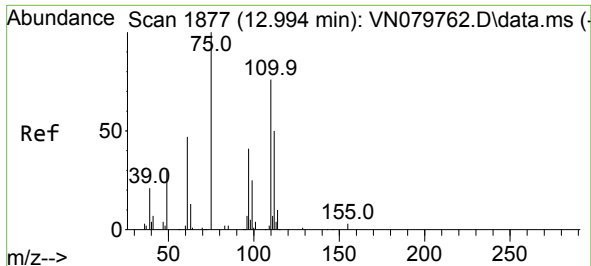
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#

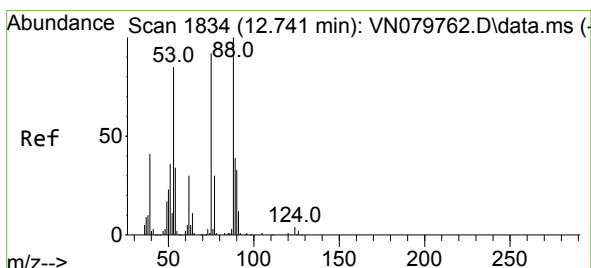
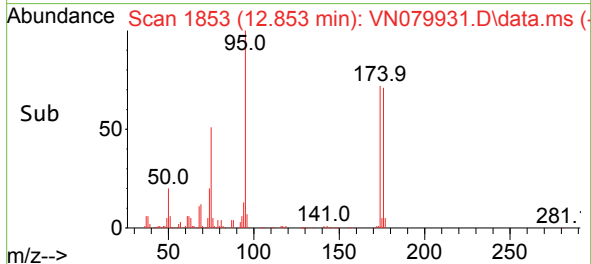
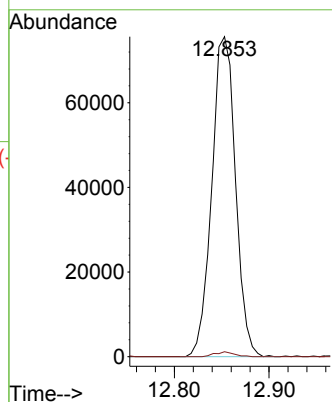
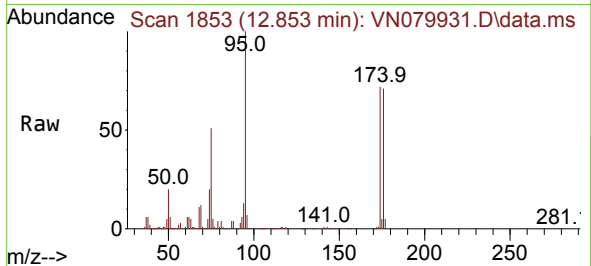




#76
1,2,3-Trichloropropane
Concen: 26.650 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 131576
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.509 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079931.D
Acq: 06 Nov 2023 18:33

Tgt Ion: 75 Resp: 131576
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

