

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
 Data File : VN079144.D
 Acq On : 02 Sep 2023 15:35
 Operator : JC\MD
 Sample : PB155301ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB155301ZHE#06

Quant Time: Sep 04 01:04:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

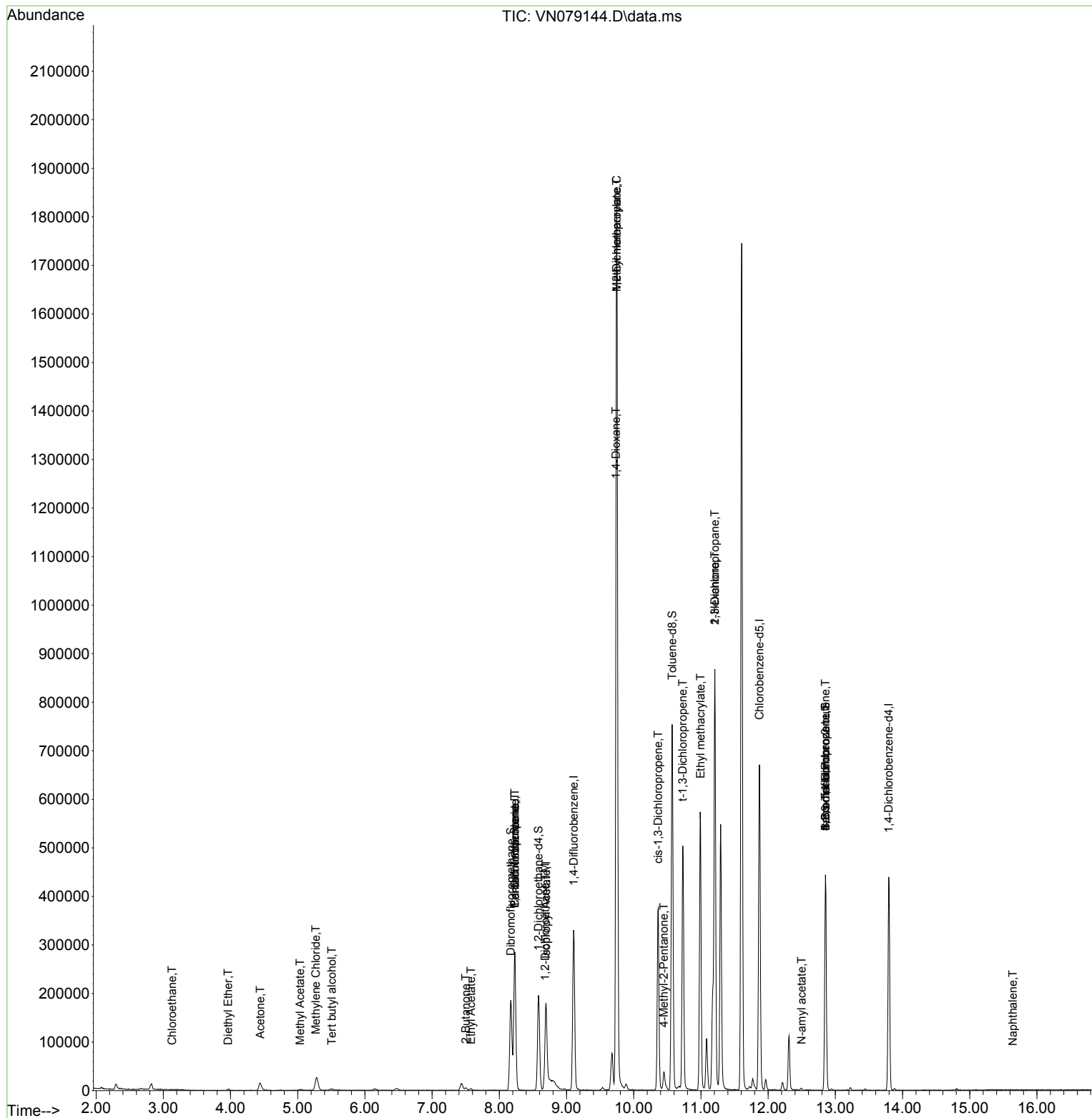
Internal Standards						
1) Pentafluorobenzene	8.230	168	207740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	290153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	401625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	161459	49.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.900%		
35) Dibromofluoromethane	8.171	113	135711	69.483	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	138.960%#		
50) Toluene-d8	10.571	98	526928	72.657	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	145.320%#		
62) 4-Bromofluorobenzene	12.853	95	161070	67.949	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	135.900%#		
Target Compounds						Qvalue
6) Chloroethane	3.130	64	634	0.257	ug/l #	43
8) Diethyl Ether	3.965	74	1321	0.811	ug/l	79
11) Tert butyl alcohol	5.506	59	1545	2.848	ug/l #	72
16) Acetone	4.442	43	29662	22.238	ug/l	97
18) Methyl Acetate	5.036	43	3904	0.693	ug/l #	72
20) Methylene Chloride	5.271	84	21208	7.461	ug/l #	91
25) 2-Butanone	7.500	43	8689	4.063	ug/l #	76
31) Cyclohexane	8.230	56	4511	Below Cal	#	58
36) 1,1-Dichloropropene	8.230	75	17263	5.876	ug/l #	49
37) Ethyl Acetate	7.577	43	5052	1.537	ug/l #	87
38) Carbon Tetrachloride	8.230	117	21888	7.435	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1265	0.390	ug/l #	73
43) Isopropyl Acetate	8.694	43	225746	38.853	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	2132	0.922	ug/l #	45
48) Methyl methacrylate	9.747	41	158474	60.190	ug/l #	26
49) 1,4-Dioxane	9.735	88	326	7.269	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	31637	9.181	ug/l #	85
53) t-1,3-Dichloropropene	10.730	75	1389	0.414	ug/l #	16
54) cis-1,3-Dichloropropene	10.365	75	69820	19.090	ug/l #	65
56) Ethyl methacrylate	10.994	69	2667	0.805	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9555	2.499	ug/l #	42
59) 2-Hexanone	11.206	43	105141	42.124	ug/l #	49
71) Bromoform	12.853	173	1090	0.464	ug/l #	1
74) N-amyl acetate	12.500	43	2234	0.439	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	82437	28.327	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82437	72.363	ug/l #	15
95) Naphthalene	15.641	128	367	2.637	ug/l #	70

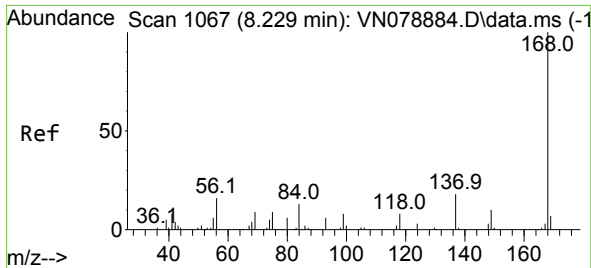
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090223\
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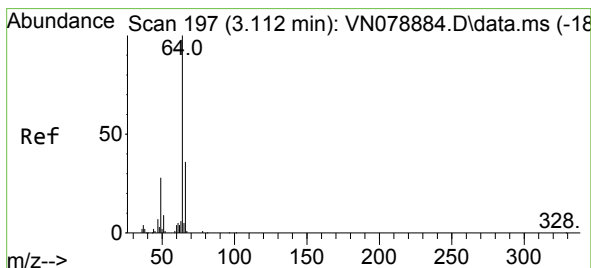
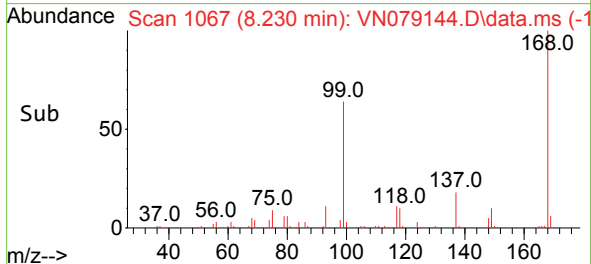
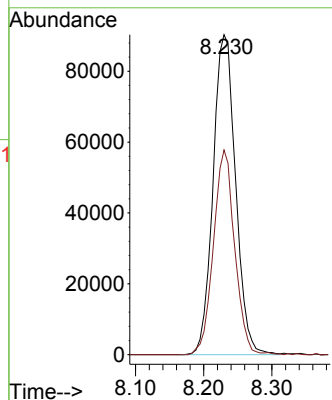
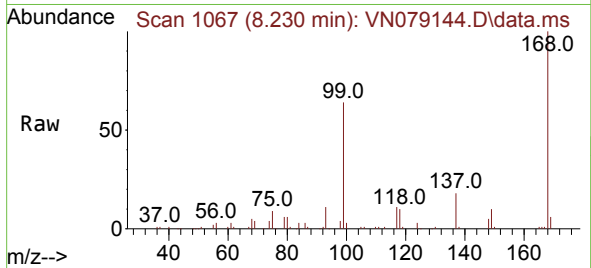




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

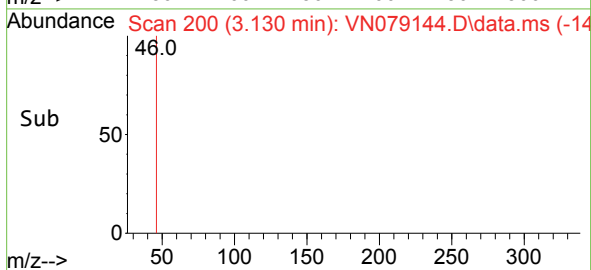
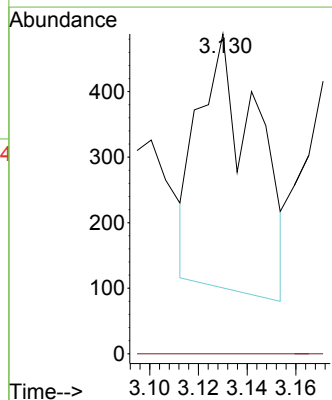
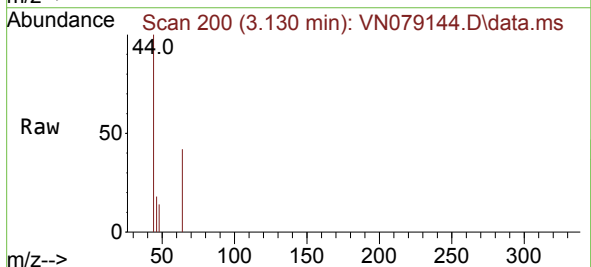
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

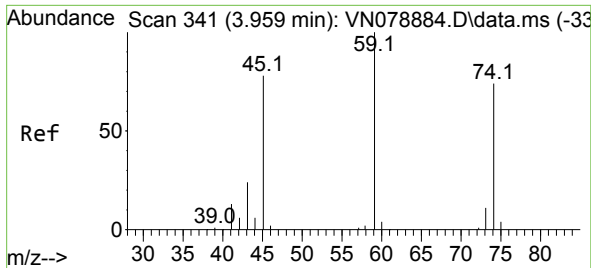
Tgt Ion:168 Resp: 207740
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#6
Chloroethane
Concen: 0.257 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 64 Resp: 634
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

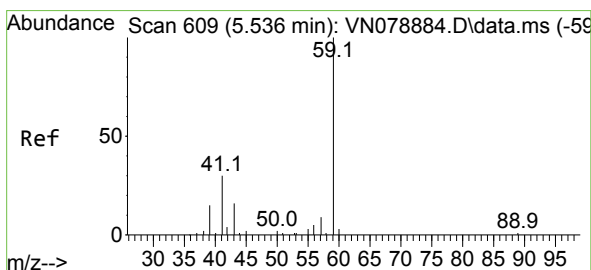
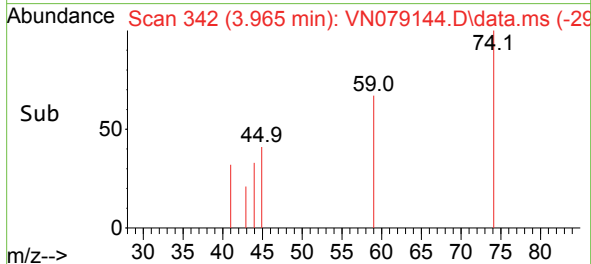
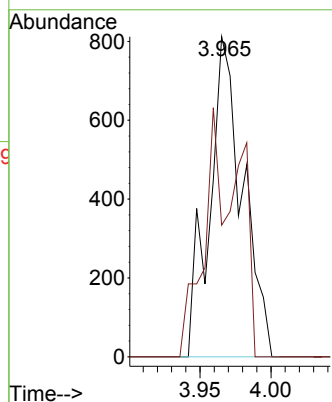
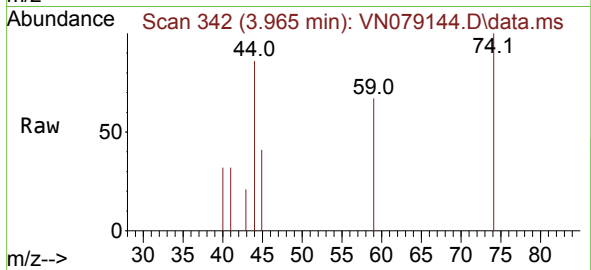




#8
Diethyl Ether
Concen: 0.811 ug/l
RT: 3.965 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

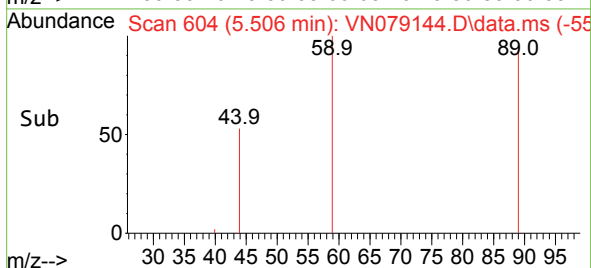
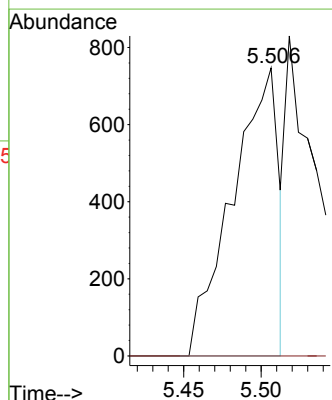
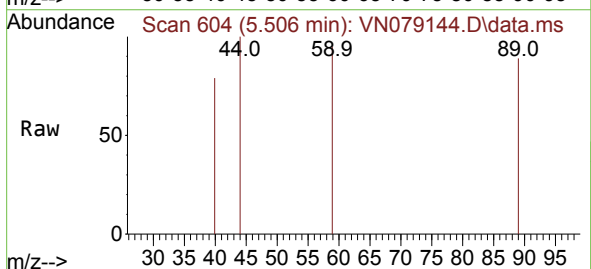
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

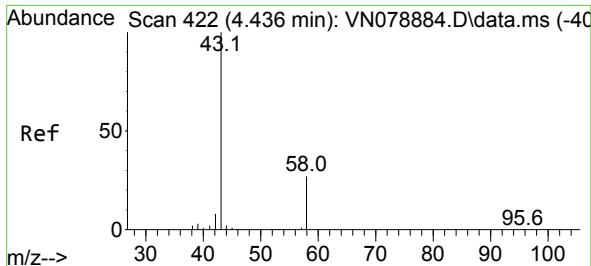
Tgt Ion: 74 Resp: 1321
Ion Ratio Lower Upper
74 100
45 51.6 34.4 103.3



#11
Tert butyl alcohol
Concen: 2.848 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 59 Resp: 1545
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

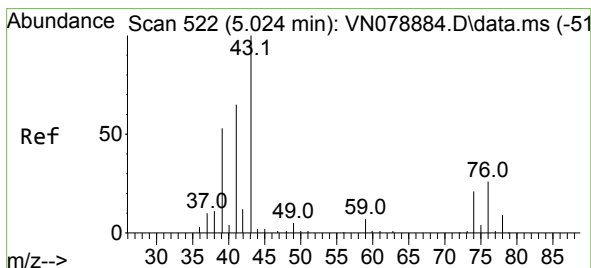
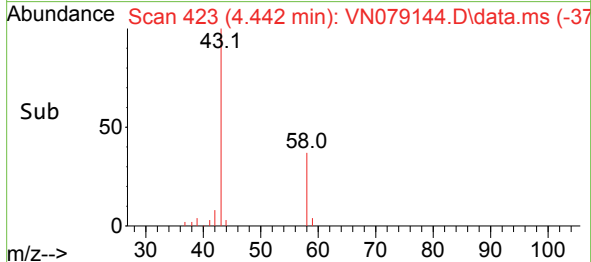
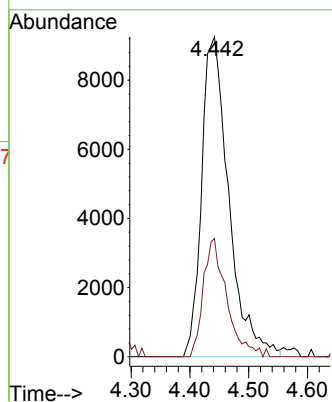
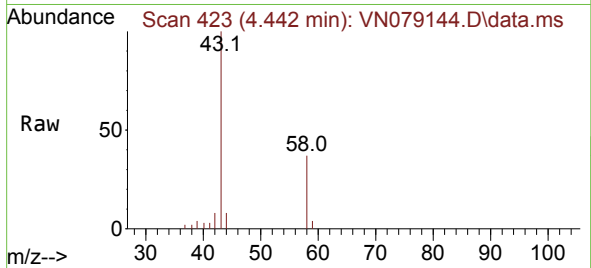




#16
Acetone
Concen: 22.238 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

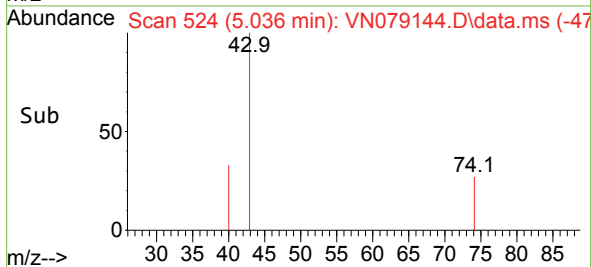
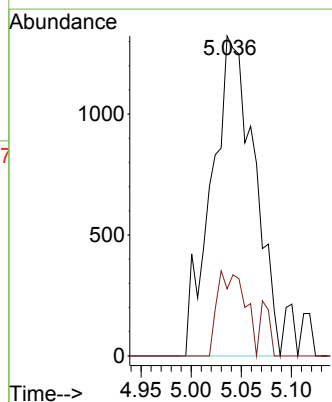
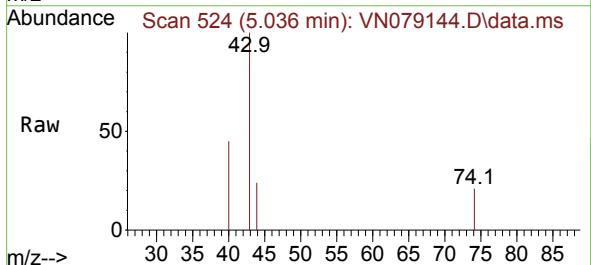
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

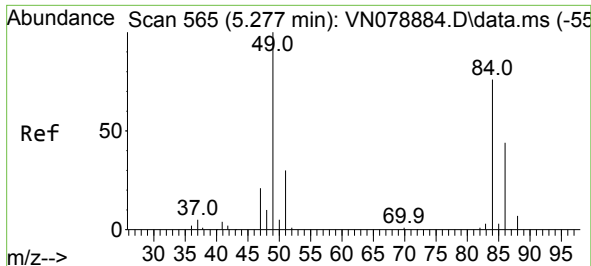
Tgt Ion: 43 Resp: 29662
Ion Ratio Lower Upper
43 100
58 37.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.693 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 43 Resp: 3904
Ion Ratio Lower Upper
43 100
74 17.1 26.2 39.4#

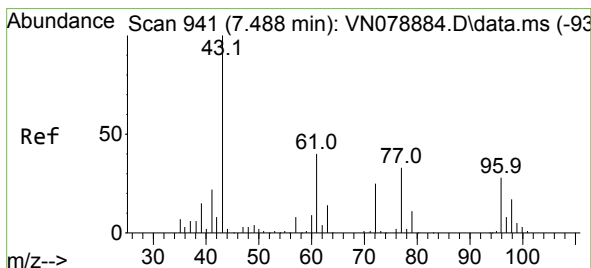
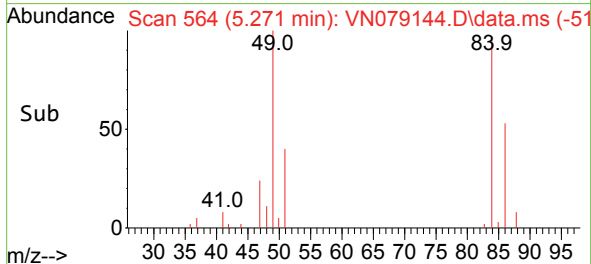
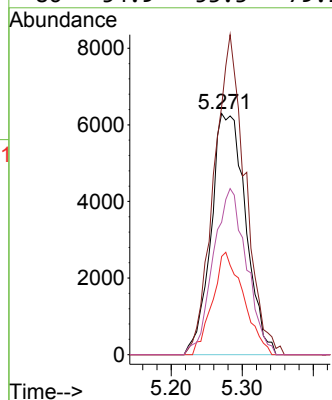
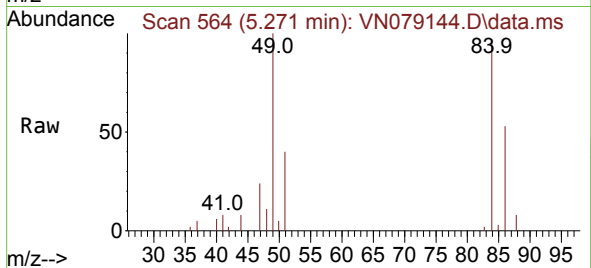




#20
Methylene Chloride
Concen: 7.461 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

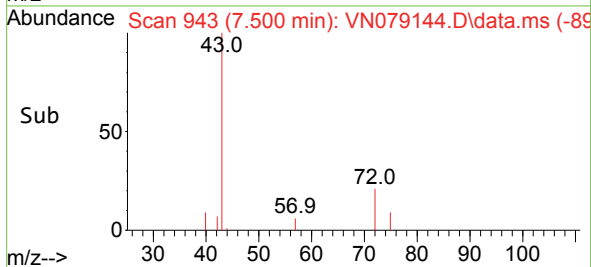
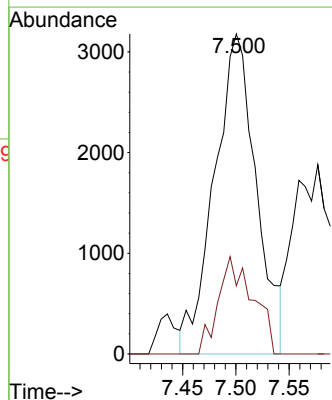
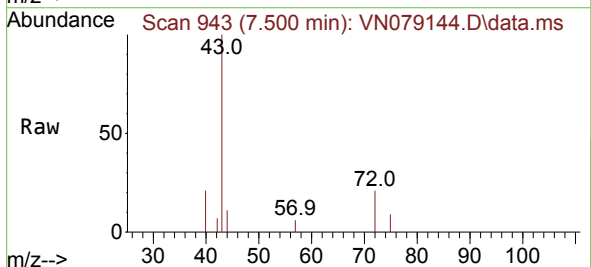
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

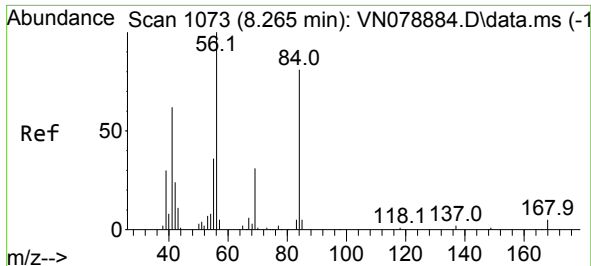
Tgt Ion: 84	Resp: 21208
Ion Ratio	Lower Upper
84 100	
49 102.8	79.7 119.5
51 40.8	25.2 37.8#
86 54.9	53.3 79.9



#25
2-Butanone
Concen: 4.063 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

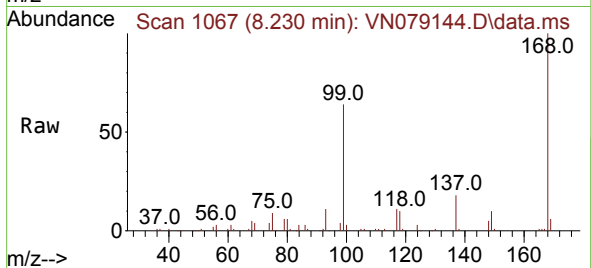
Tgt Ion: 43	Resp: 8689		
Ion Ratio	Lower	Upper	
43 100			
72 23.0	30.2	45.2#	



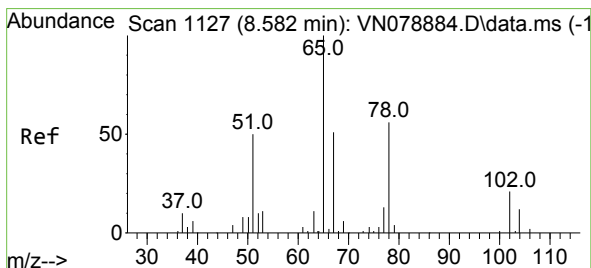
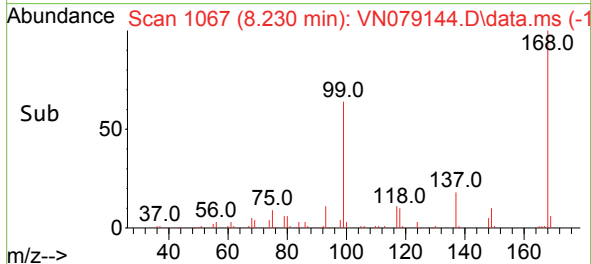
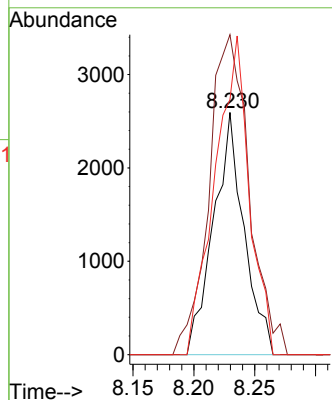


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

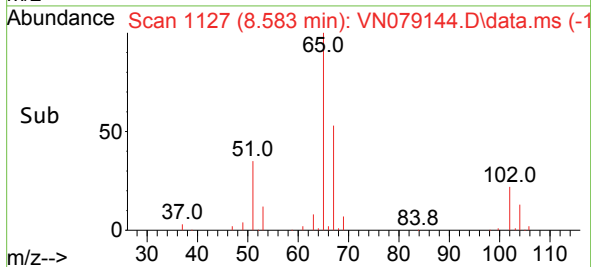
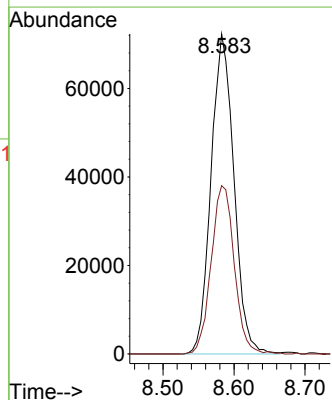
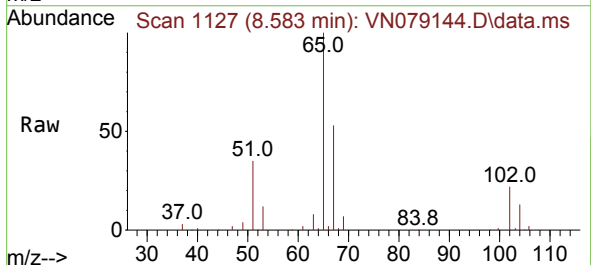


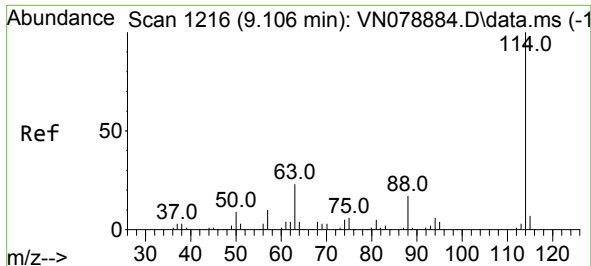
Tgt Ion: 56 Resp: 4511
Ion Ratio Lower Upper
56 100
69 124.2 26.8 40.2#
84 105.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 49.947 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 65 Resp: 161459
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079144.D

Acq: 02 Sep 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#06

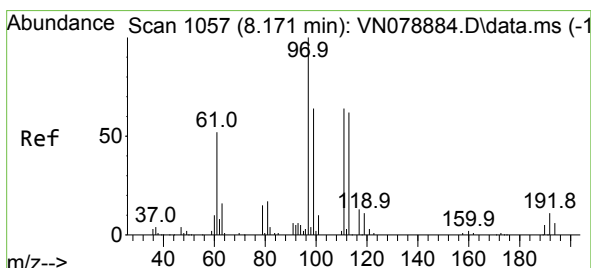
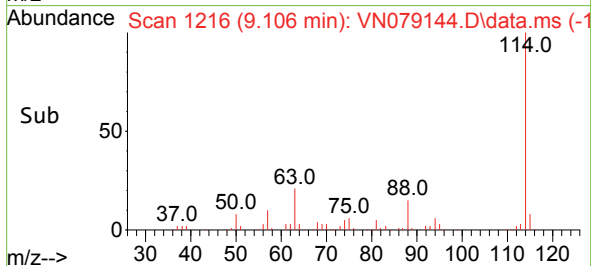
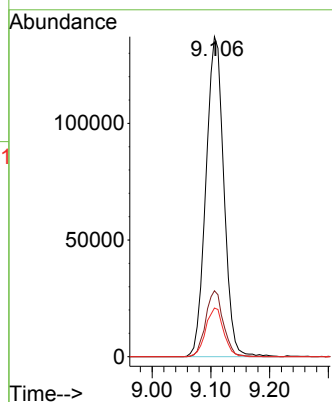
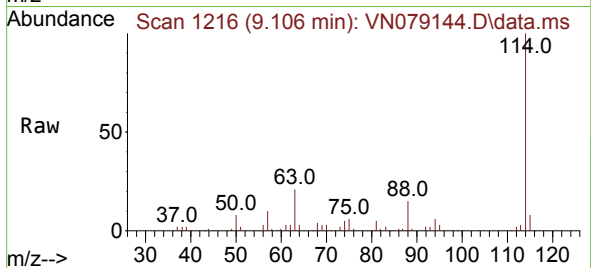
Tgt Ion:114 Resp: 290153

Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 69.483 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079144.D

Acq: 02 Sep 2023 15:35

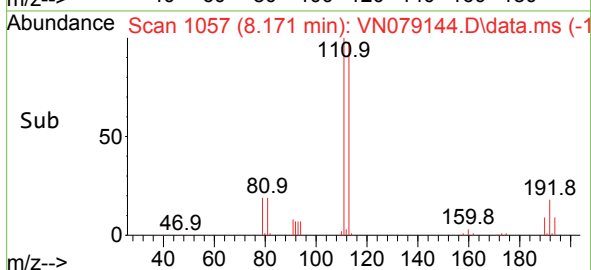
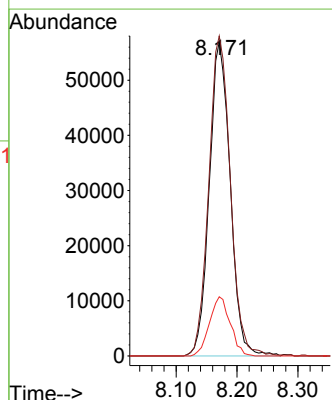
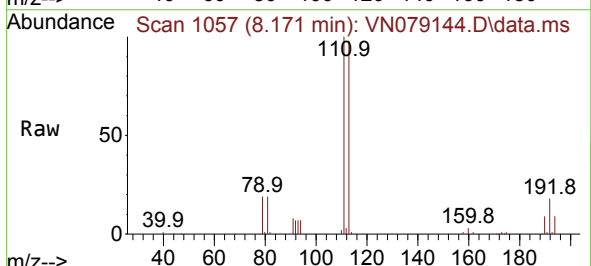
Tgt Ion:113 Resp: 135711

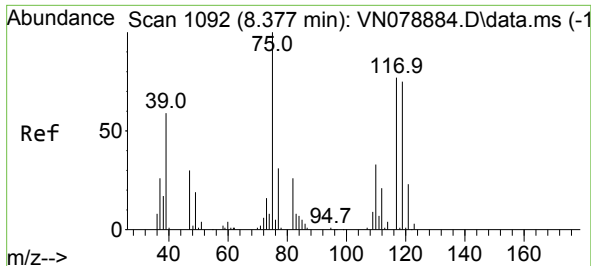
Ion Ratio Lower Upper

113 100

111 105.2 82.6 123.8

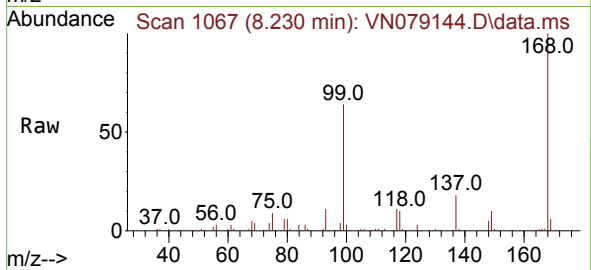
192 18.7 12.7 19.1



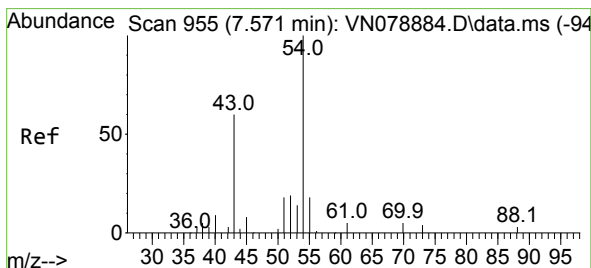
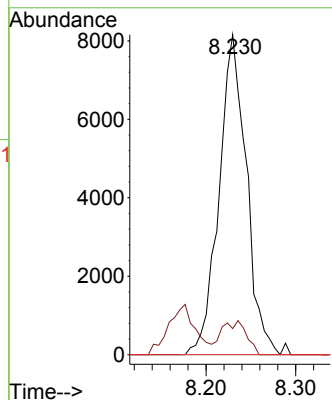
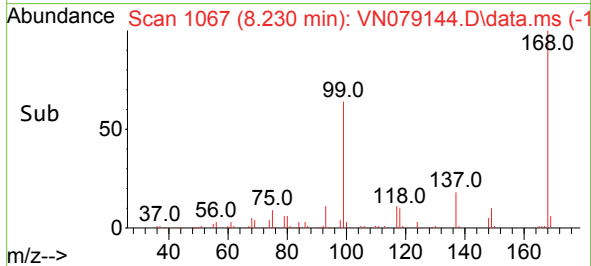


#36
1,1-Dichloropropene
Concen: 5.876 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

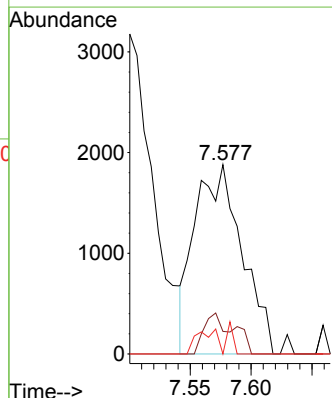
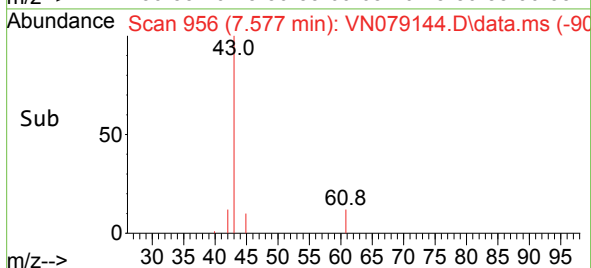
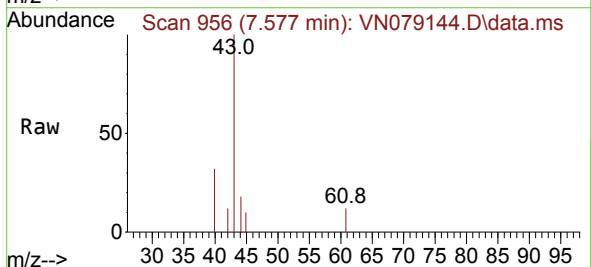


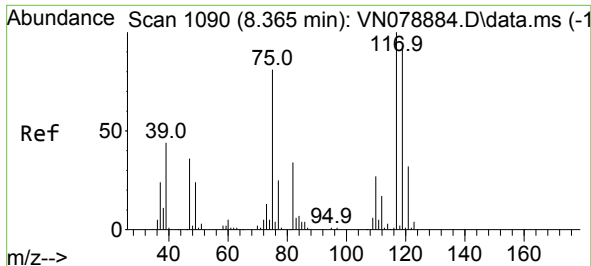
Tgt Ion: 75 Resp: 17263
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.537 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

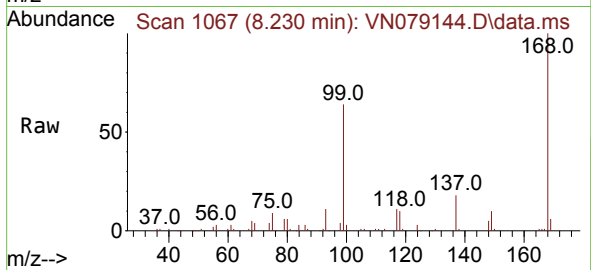
Tgt Ion: 43 Resp: 5052
Ion Ratio Lower Upper
43 100
61 13.4 13.2 19.8
70 5.7 11.3 16.9#



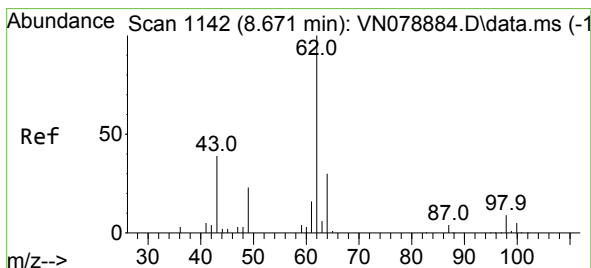
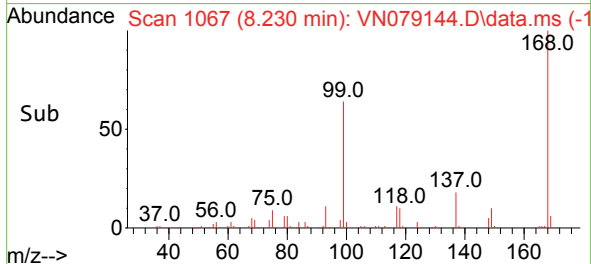
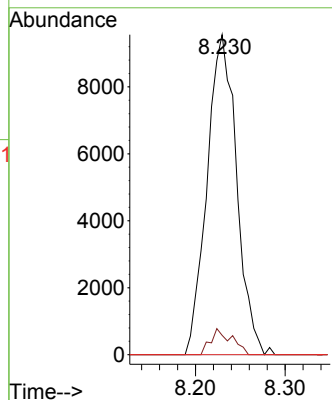


#38
Carbon Tetrachloride
Concen: 7.435 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

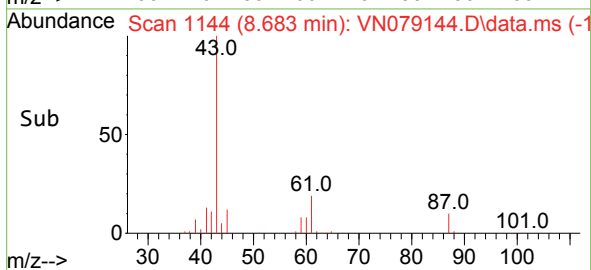
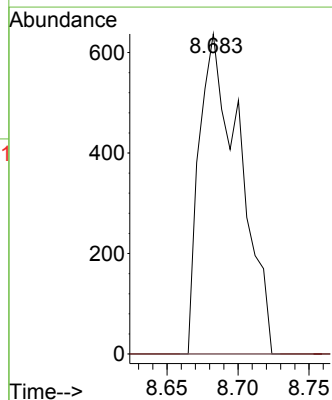
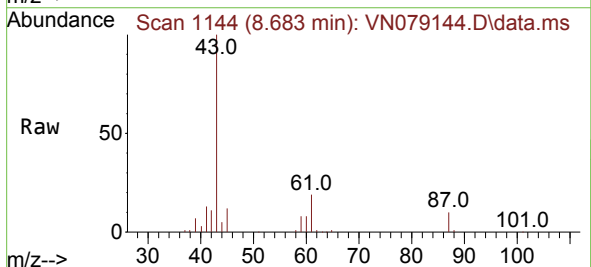


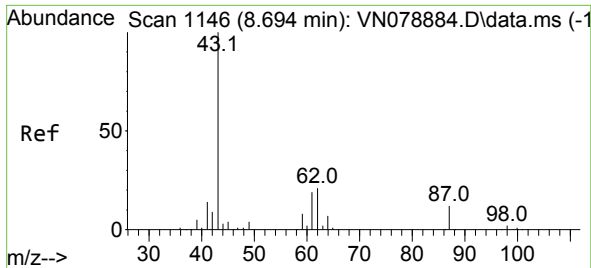
Tgt Ion:117 Resp: 21888
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.390 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 62 Resp: 1265
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

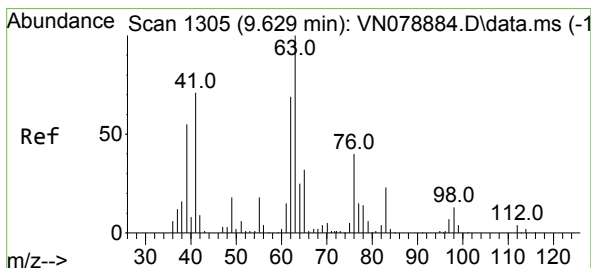
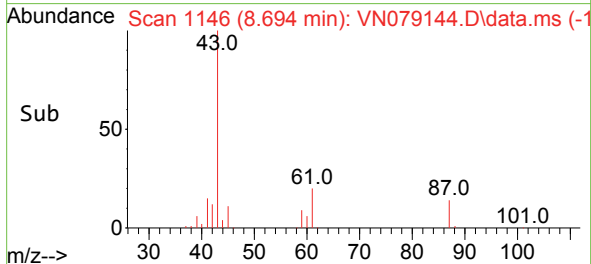
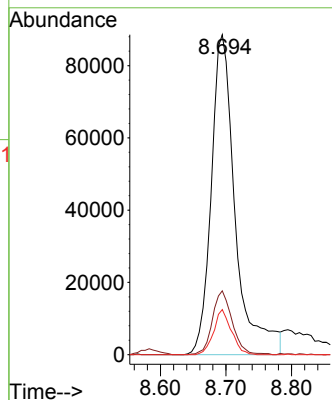
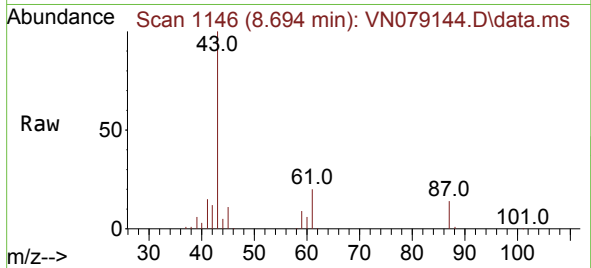




#43
Isopropyl Acetate
Concen: 38.853 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

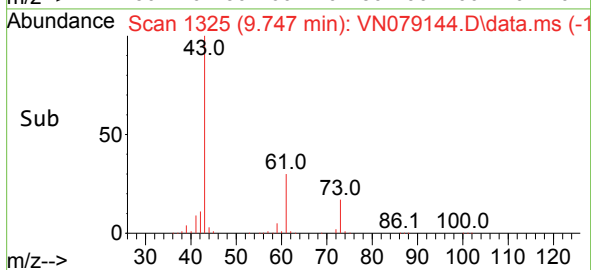
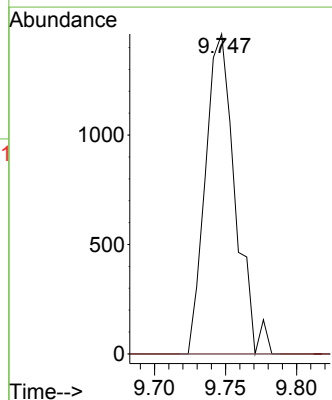
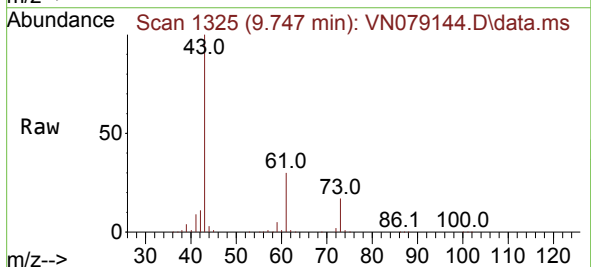
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

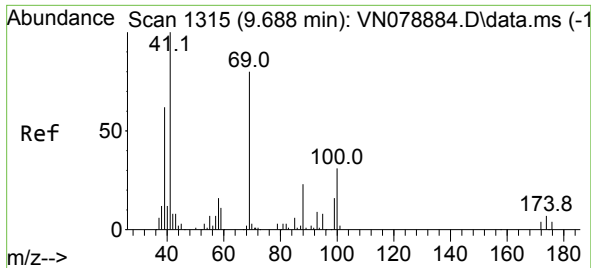
Tgt Ion: 43 Resp: 225746
Ion Ratio Lower Upper
43 100
61 16.4 24.7 37.1#
87 10.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.922 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 63 Resp: 2132
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

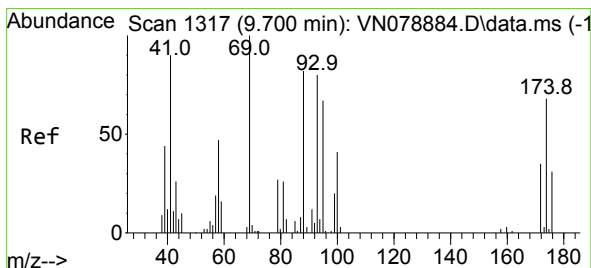
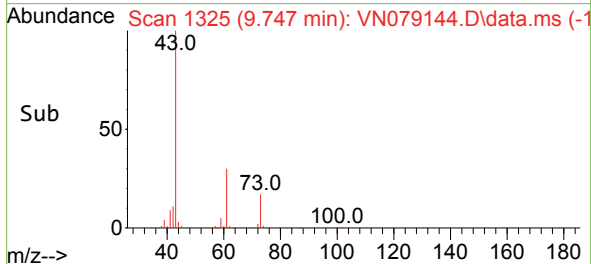
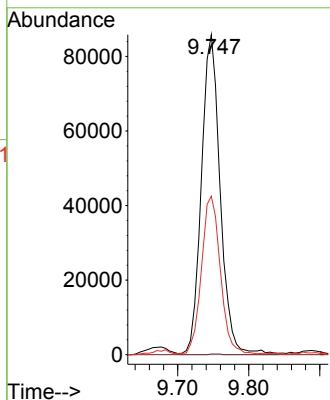
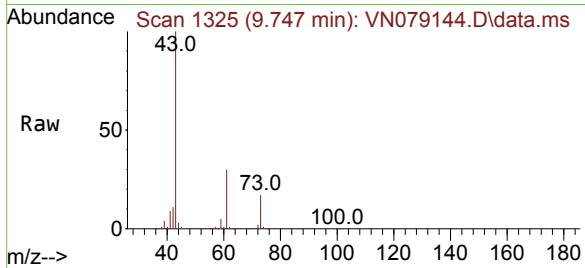




#48
Methyl methacrylate
Concen: 60.190 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

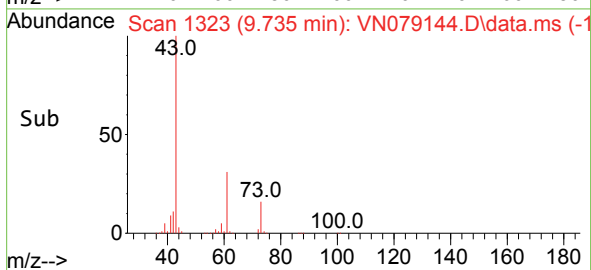
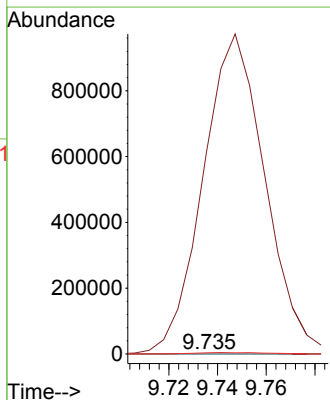
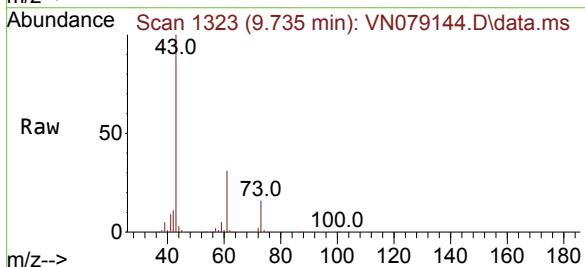
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

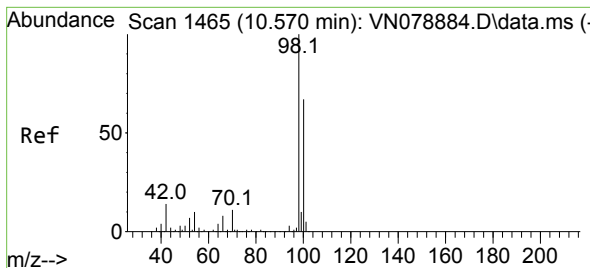
Tgt Ion: 41 Resp: 158474
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 49.3 54.6 81.8#



#49
1,4-Dioxane
Concen: 7.269 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.035 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 533639.0 17.0 25.6#
58 2698.8 47.0 70.4#





#50

Toluene-d8

Concen: 72.657 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079144.D

Acq: 02 Sep 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

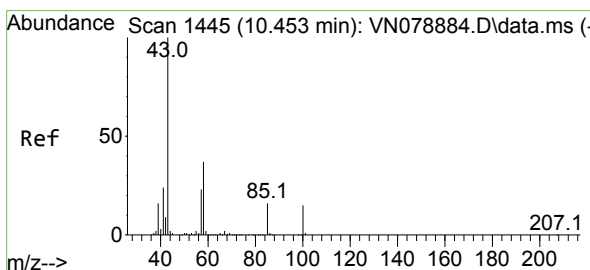
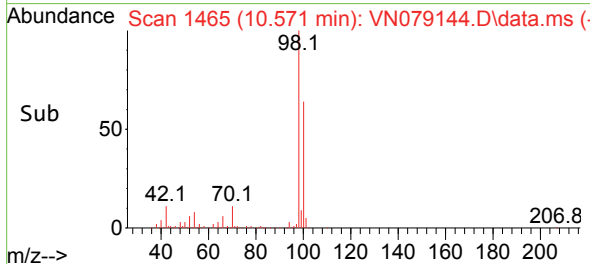
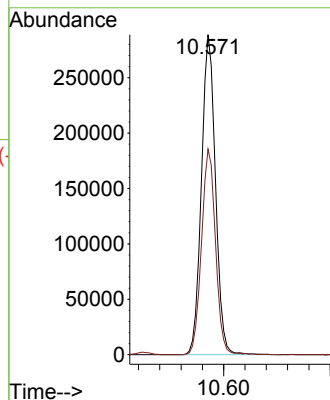
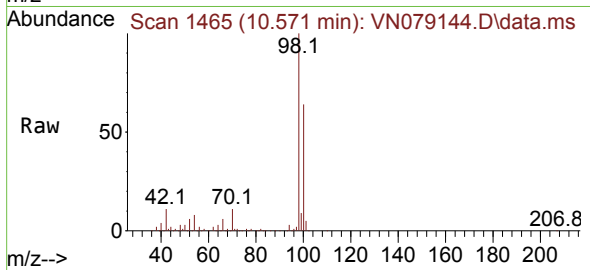
PB155301ZHE#06

Tgt Ion: 98 Resp: 526928

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 9.181 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN079144.D

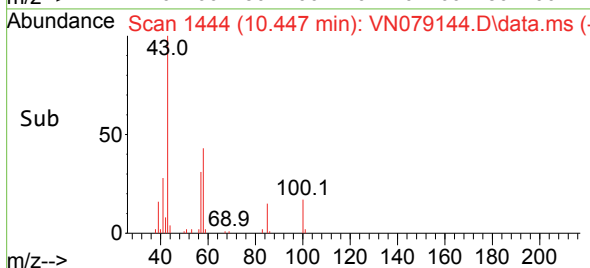
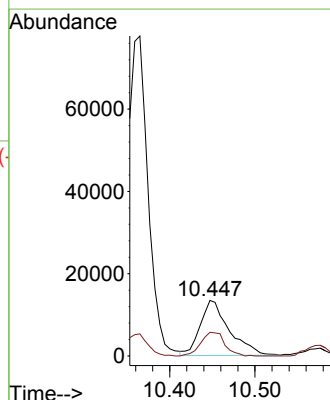
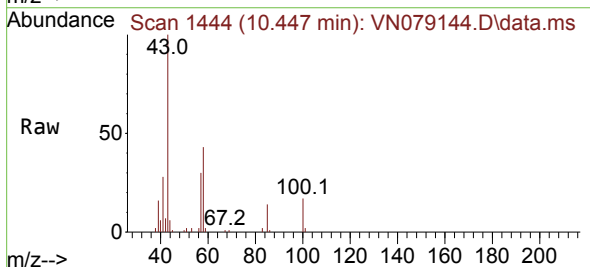
Acq: 02 Sep 2023 15:35

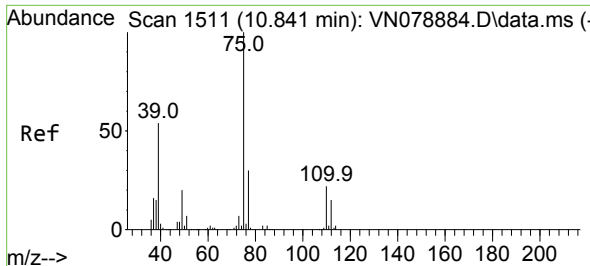
Tgt Ion: 43 Resp: 31637

Ion Ratio Lower Upper

43 100

58 35.6 36.6 54.8#

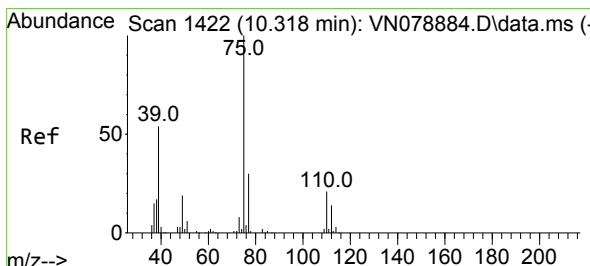
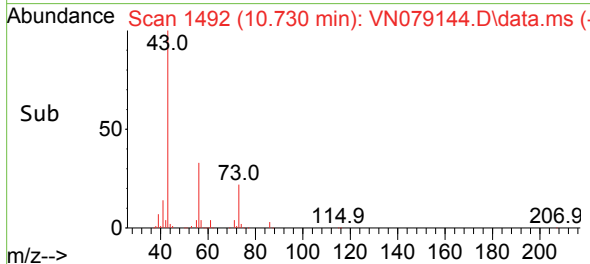
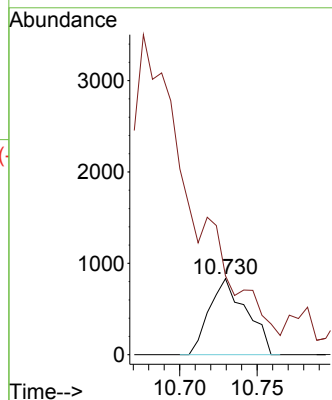
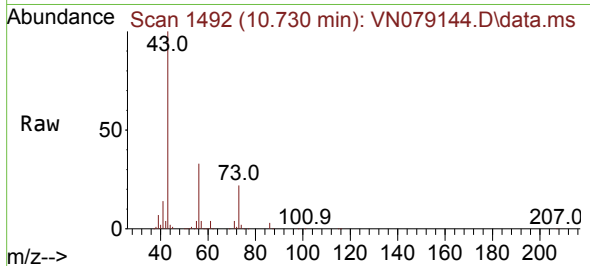




#53
t-1,3-Dichloropropene
Concen: 0.414 ug/l
RT: 10.730 min Scan# 1430
Delta R.T. -0.111 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

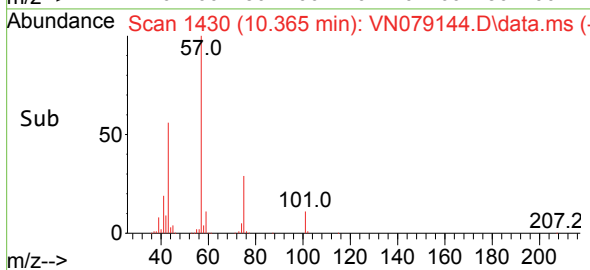
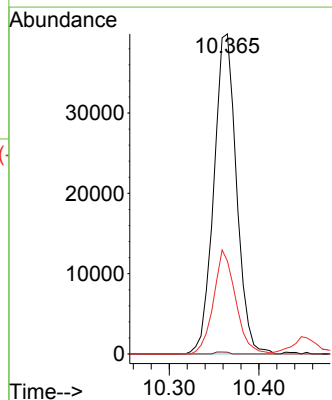
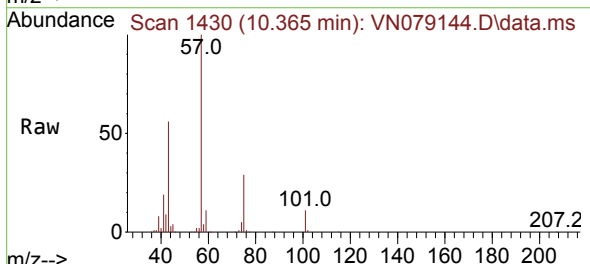
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

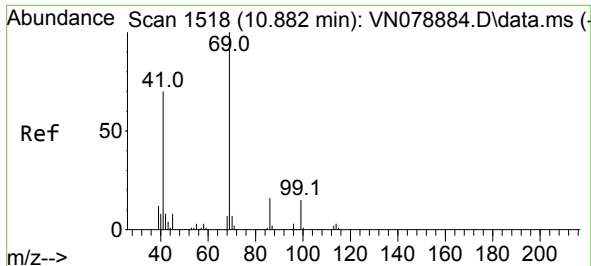
Tgt Ion: 75 Resp: 1389
Ion Ratio Lower Upper
75 100
77 78.6 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 19.090 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 75 Resp: 69820
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 29.0 31.6 47.4#

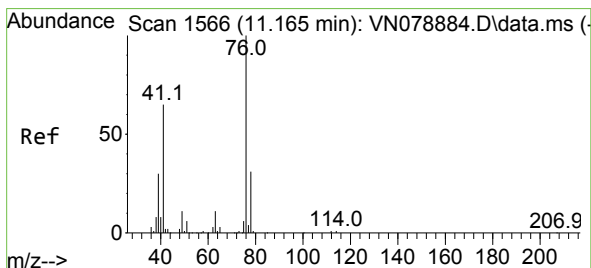
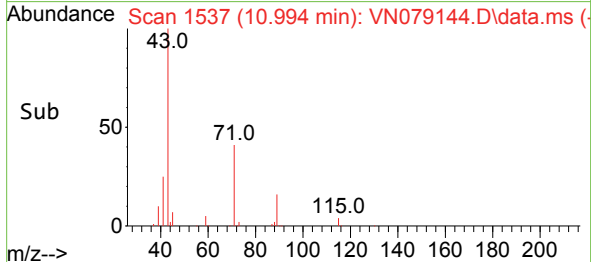
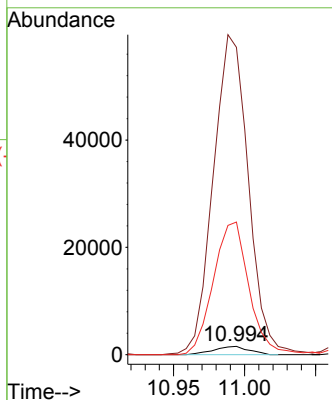
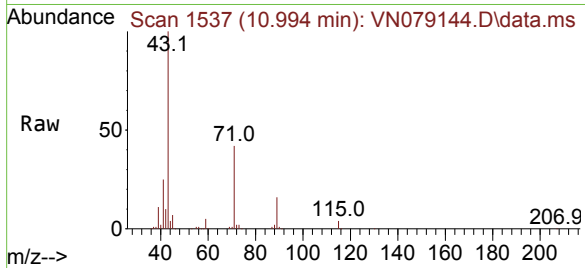




#56
Ethyl methacrylate
Concen: 0.805 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

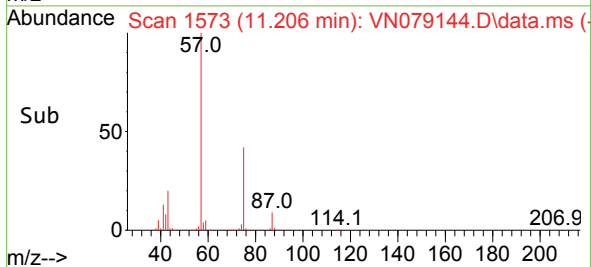
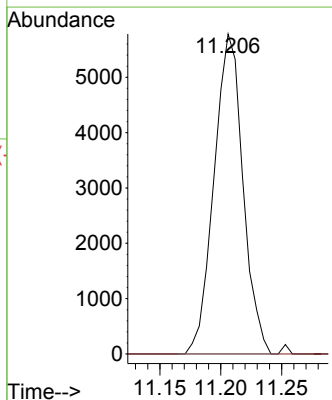
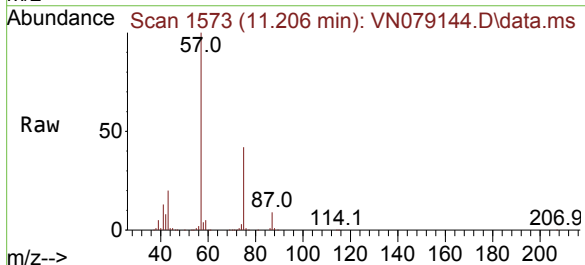
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

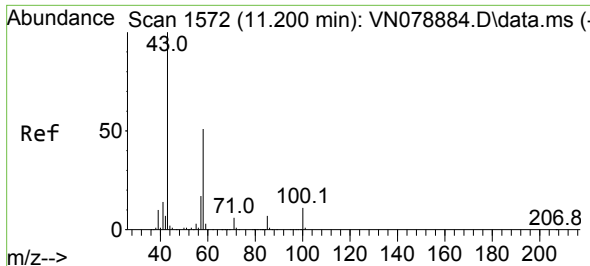
Tgt Ion: 69 Resp: 2667
Ion Ratio Lower Upper
69 100
41 3851.1 39.6 59.4#
39 1618.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 2.499 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 76 Resp: 9555
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

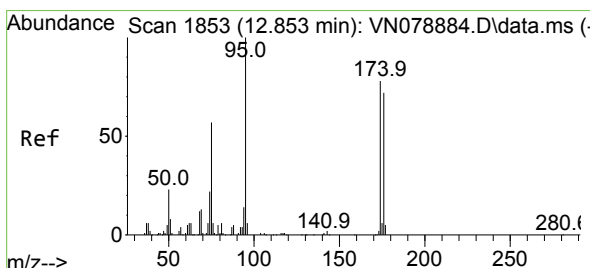
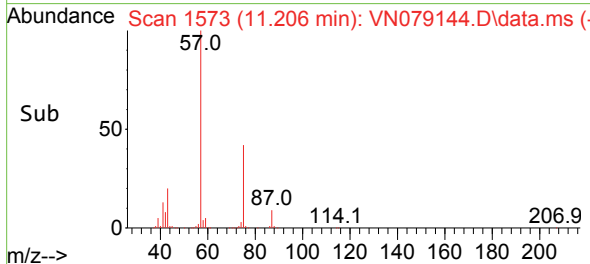
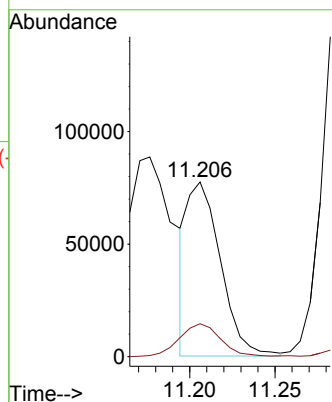
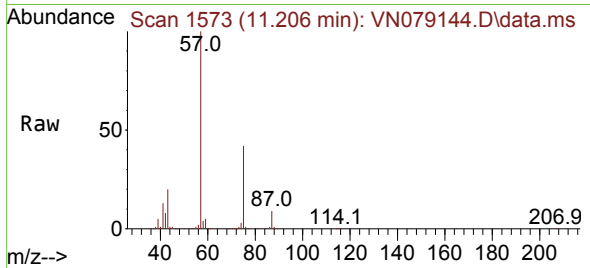




#59
2-Hexanone
Concen: 42.124 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

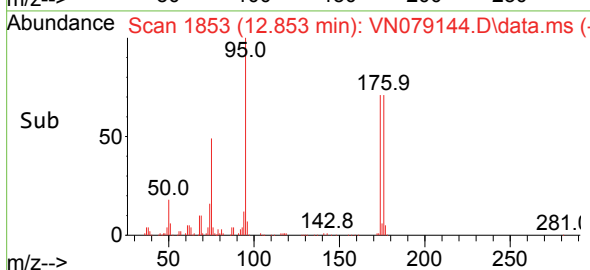
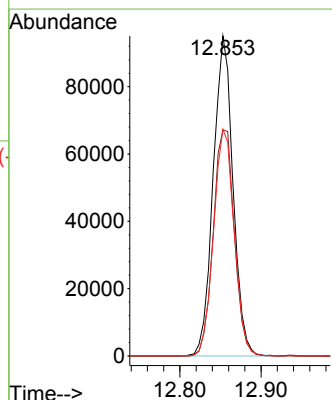
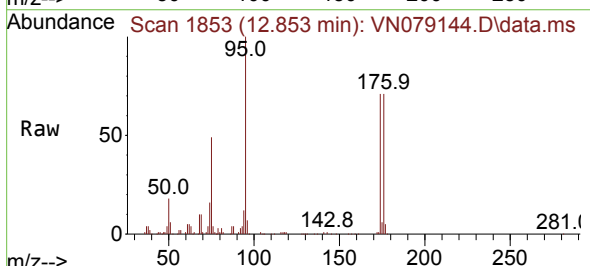
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

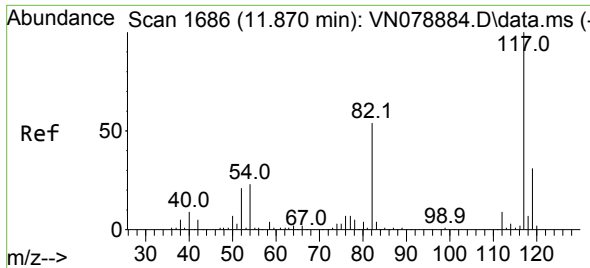
Tgt Ion: 43 Resp: 105141
Ion Ratio Lower Upper
43 100
58 23.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 67.949 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 95 Resp: 161070
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 73.5 0.0 135.8

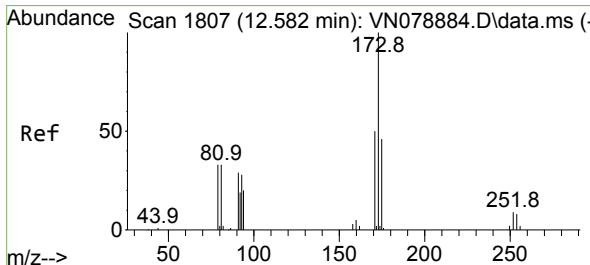
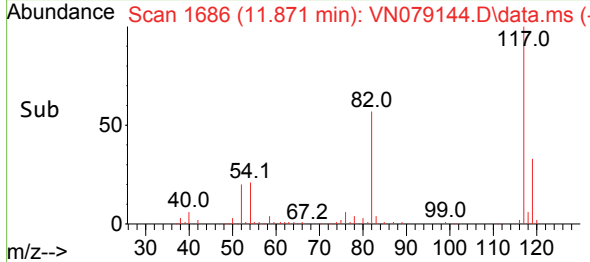
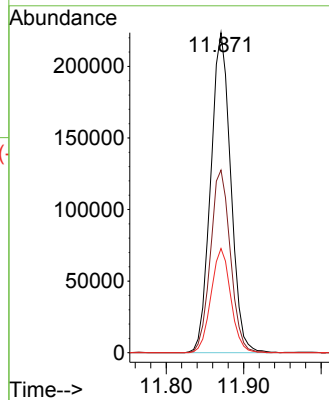
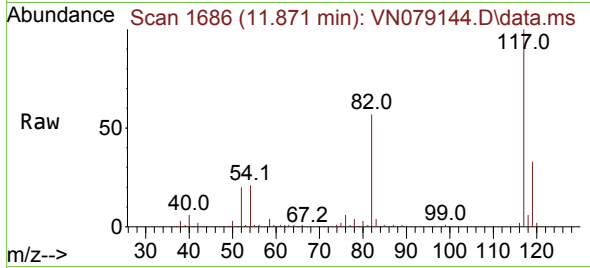




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

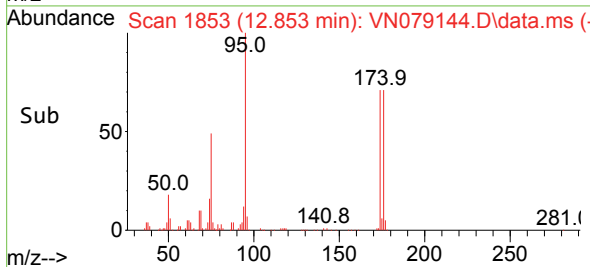
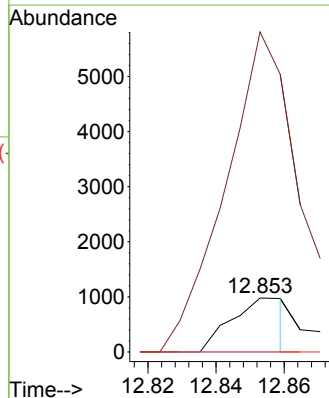
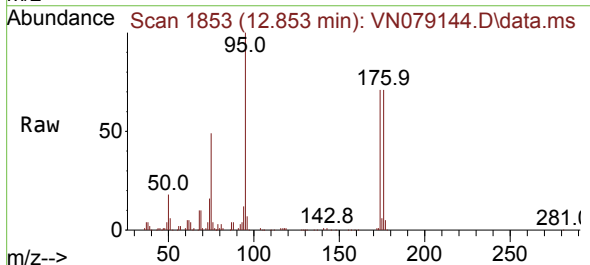
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

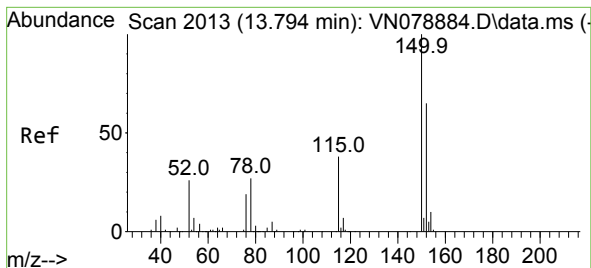
Tgt Ion:117 Resp: 401625
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 32.6 25.6 38.4



#71
Bromoform
Concen: 0.464 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion:173 Resp: 1090
Ion Ratio Lower Upper
173 100
175 634.0 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: VN079144.D

Acq: 02 Sep 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#06

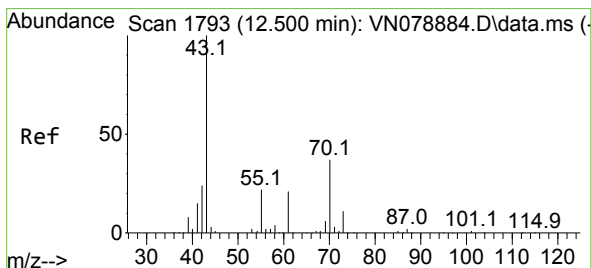
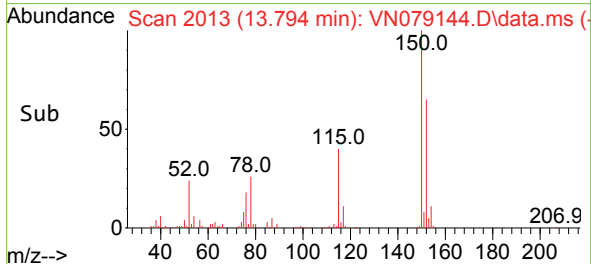
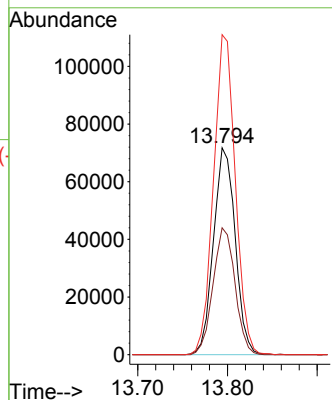
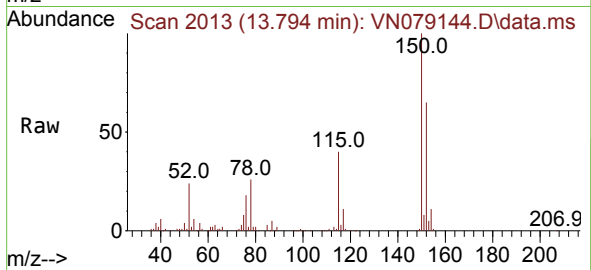
Tgt Ion:152 Resp: 120780

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 155.0 0.0 355.8



#74

N-ethyl acetate

Concen: 0.439 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VN079144.D

Acq: 02 Sep 2023 15:35

Tgt Ion: 43 Resp: 2234

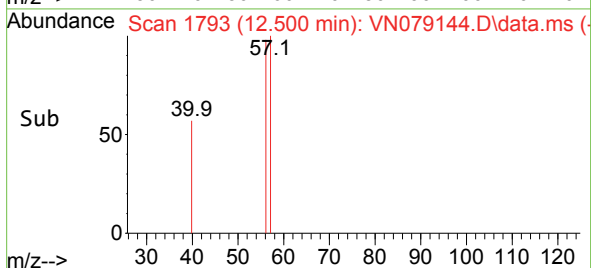
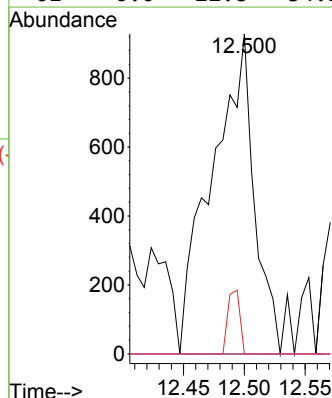
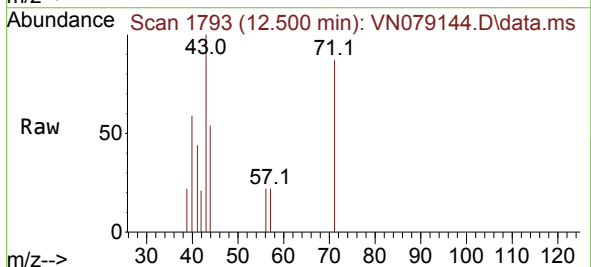
Ion Ratio Lower Upper

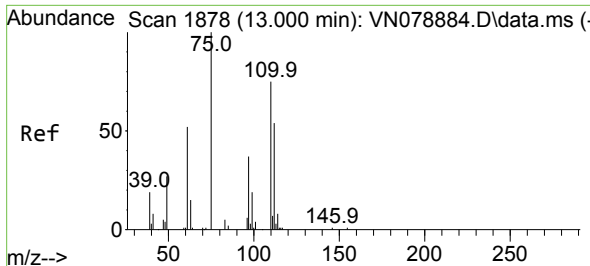
43 100

70 0.0 43.4 65.2#

55 5.6 21.4 32.0#

61 0.0 22.8 34.2#

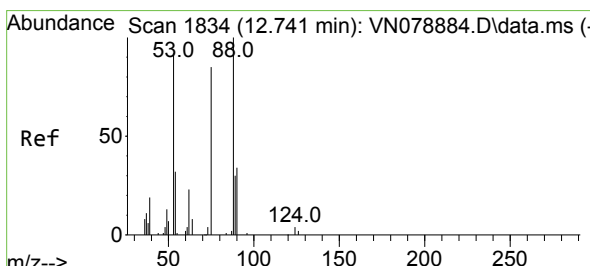
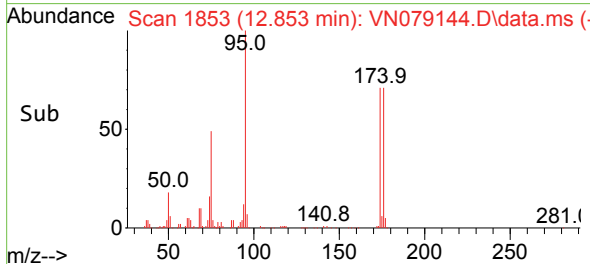
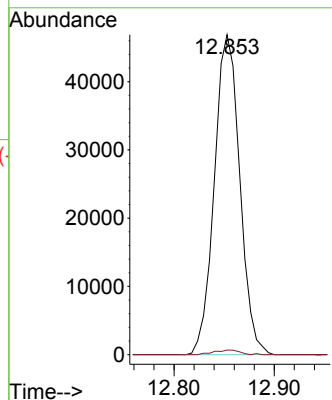
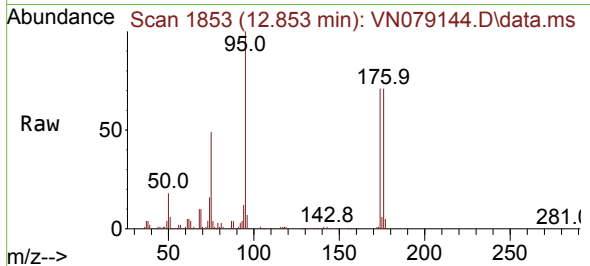




#76
1,2,3-Trichloropropane
Concen: 28.327 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

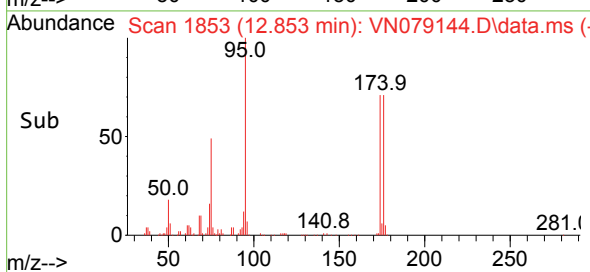
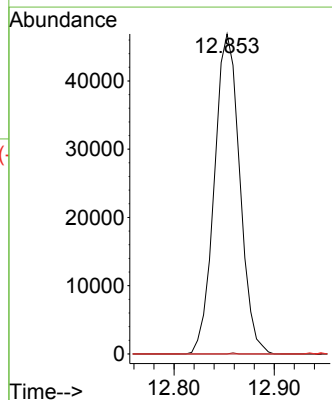
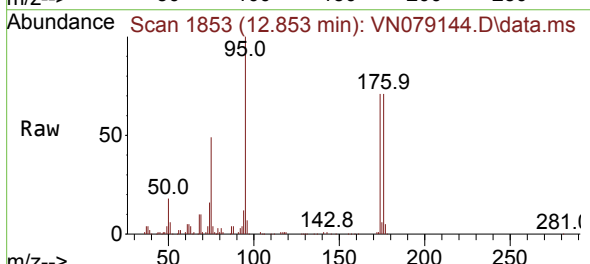
Instrument :
MSVOA_N
ClientSampleId :
PB155301ZHE#06

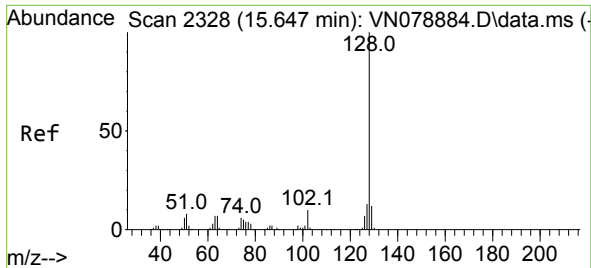
Tgt Ion: 75 Resp: 82437
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.363 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079144.D
Acq: 02 Sep 2023 15:35

Tgt Ion: 75 Resp: 82437
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 2.637 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN079144.D

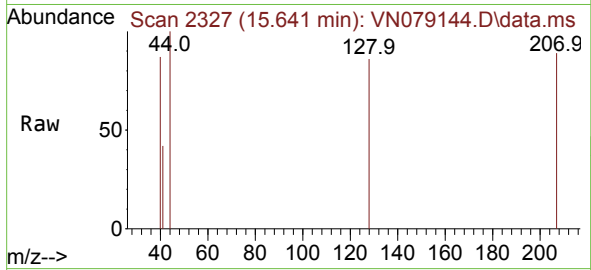
Acq: 02 Sep 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

PB155301ZHE#06



Tgt Ion:128 Resp: 367

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

