

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080061.D
 Acq On : 13 Nov 2023 13:07
 Operator : JC\MD
 Sample : PB157075ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#02

Quant Time: Nov 14 19:23:32 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

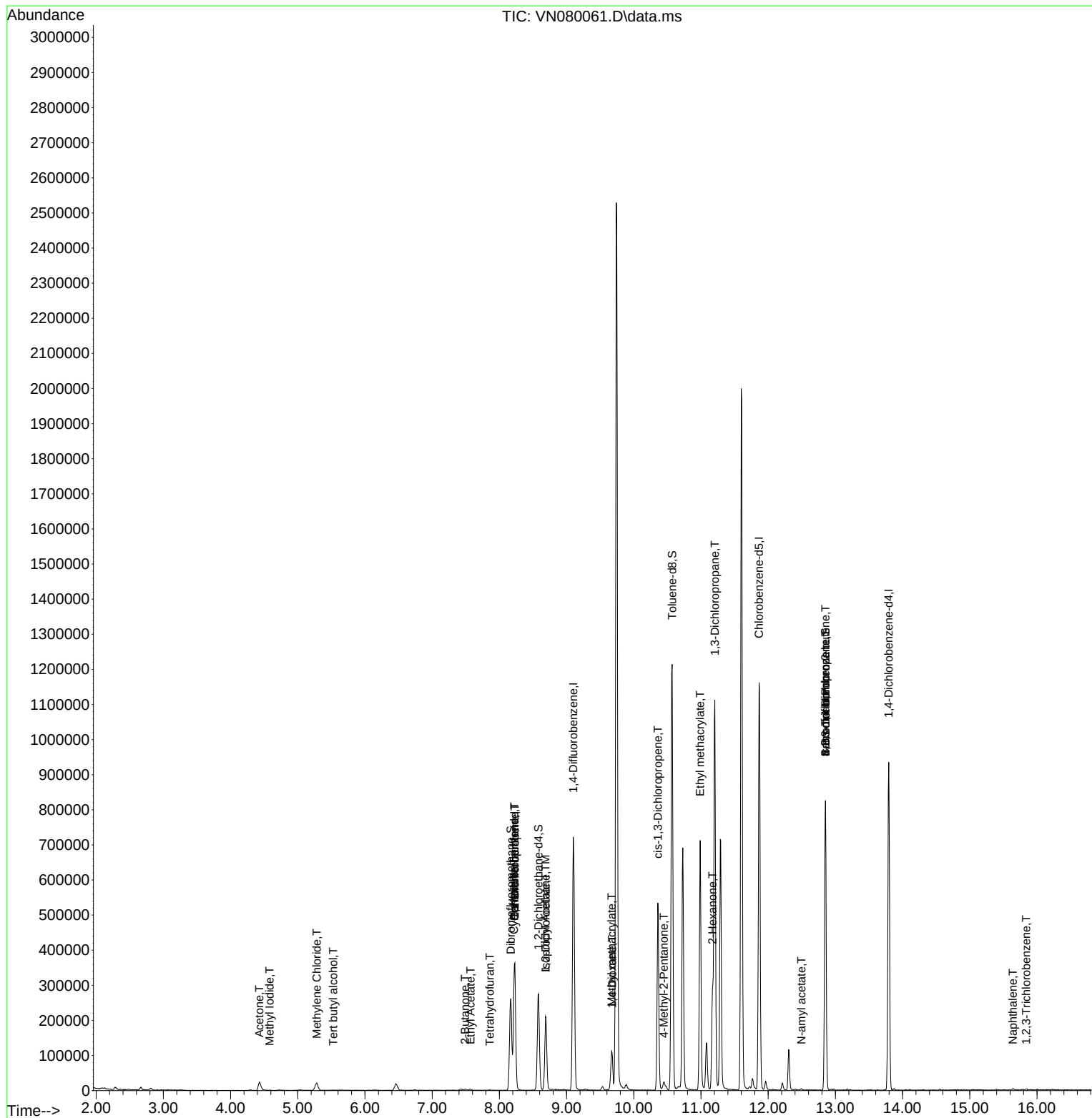
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	266662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	631218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	658564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	253968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	224360	55.225	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	= 110.440%		
35) Dibromofluoromethane	8.171	113	193818	43.384	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	= 86.760%		
50) Toluene-d8	10.570	98	834197	50.722	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	= 101.440%		
62) 4-Bromofluorobenzene	12.853	95	289873	53.144	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	= 106.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	678	Below Cal	#	42
10) Methyl Iodide	4.583	142	722	0.209	ug/l #	38
11) Tert butyl alcohol	5.530	59	728	1.404	ug/l #	72
16) Acetone	4.430	43	44410	31.120	ug/l	91
20) Methylene Chloride	5.283	84	17200	4.777	ug/l #	88
25) 2-Butanone	7.488	43	5205	2.491	ug/l	94
29) Tetrahydrofuran	7.859	42	867	0.638	ug/l #	50
31) Cyclohexane	8.218	56	5727	1.067	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	21775	3.414	ug/l #	47
37) Ethyl Acetate	7.571	43	5568	0.952	ug/l #	83
38) Carbon Tetrachloride	8.224	117	29210	4.544	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1541	0.231	ug/l #	73
43) Isopropyl Acetate	8.688	43	225934	22.022	ug/l #	87
48) Methyl methacrylate	9.671	41	7861	1.749	ug/l #	28
49) 1,4-Dioxane	9.676	88	61	0.768	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	22775	3.943	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	90625	11.929	ug/l #	70
56) Ethyl methacrylate	10.988	69	4099	0.631	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11944	1.487	ug/l #	43
59) 2-Hexanone	11.170	43	221207	50.063	ug/l #	19
71) Bromoform	12.853	173	1912	0.523	ug/l #	1
74) N-amyl acetate	12.494	43	2541	0.302	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	152608	25.595	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152608	69.638	ug/l #	15
95) Naphthalene	15.641	128	3408	0.255	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	847	0.219	ug/l #	57

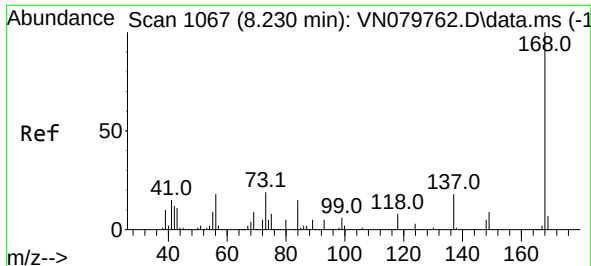
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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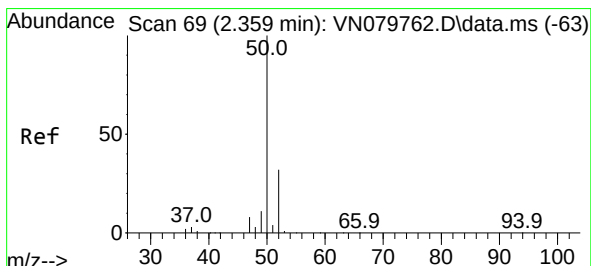
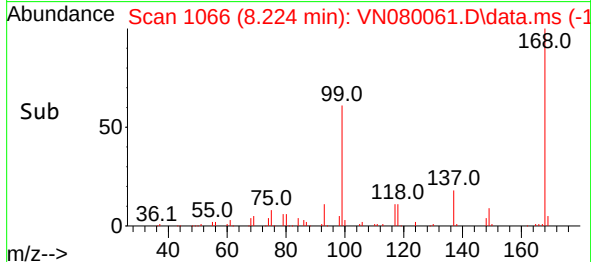
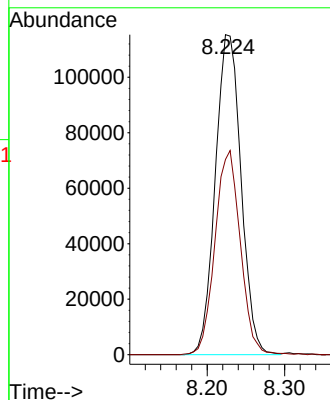
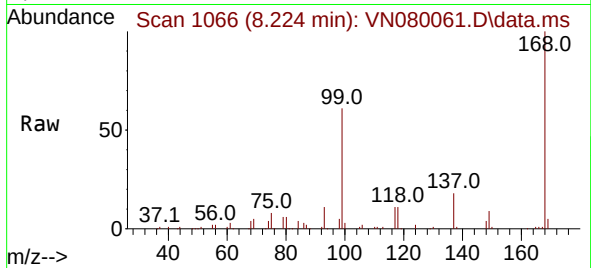




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

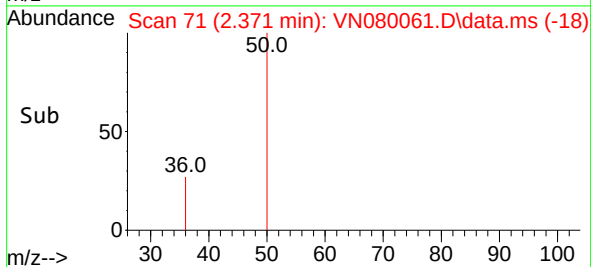
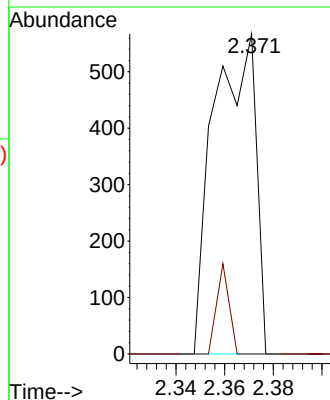
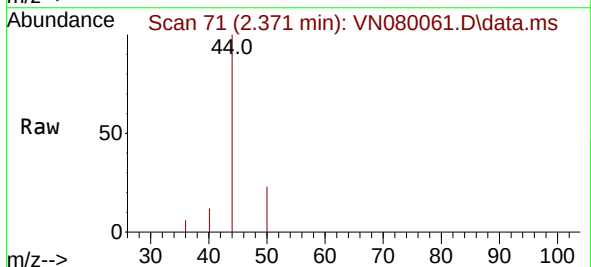
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

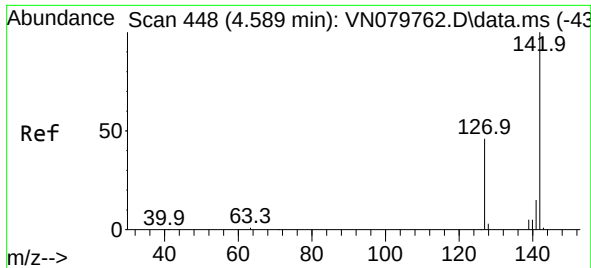
Tgt Ion:168 Resp: 266662
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

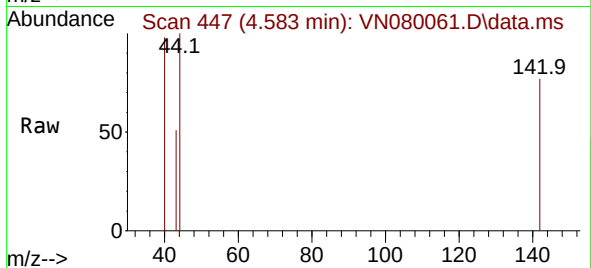
Tgt Ion: 50 Resp: 678
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



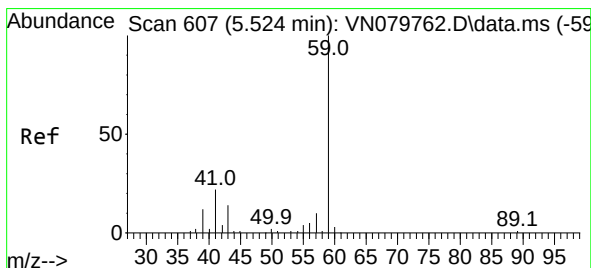
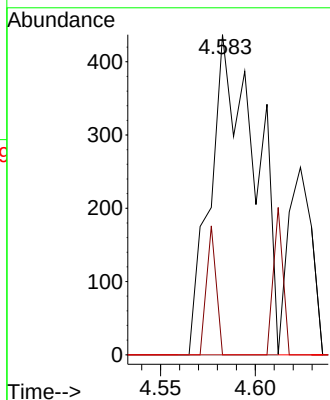
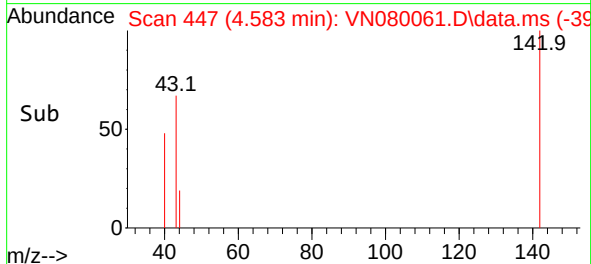


#10
Methyl Iodide
Concen: 0.209 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

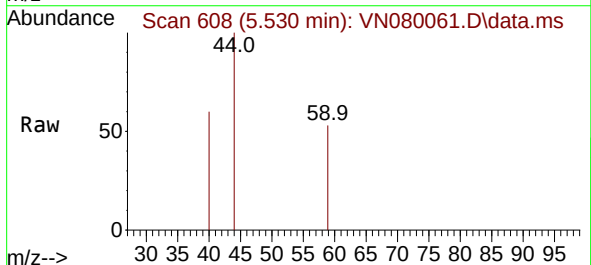
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02



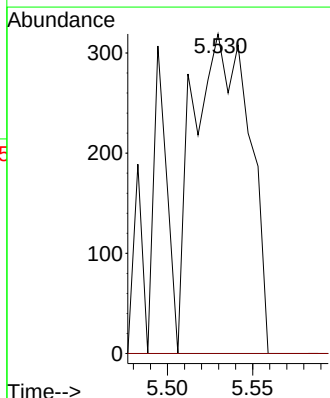
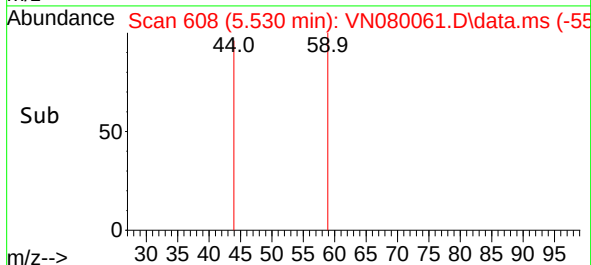
Tgt Ion:142 Resp: 722
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#

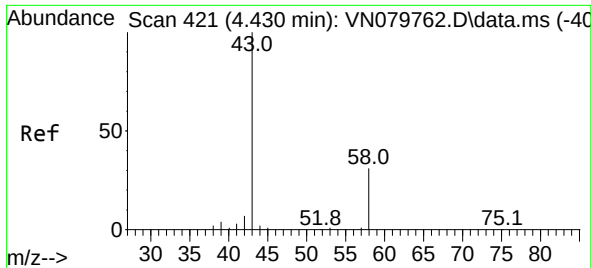


#11
Tert butyl alcohol
Concen: 1.404 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07



Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

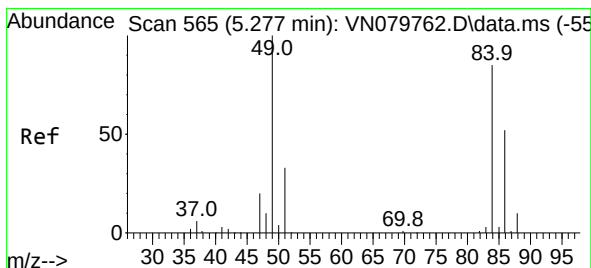
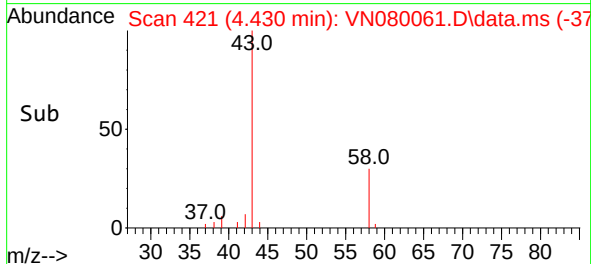
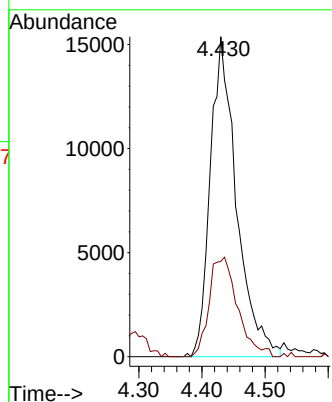
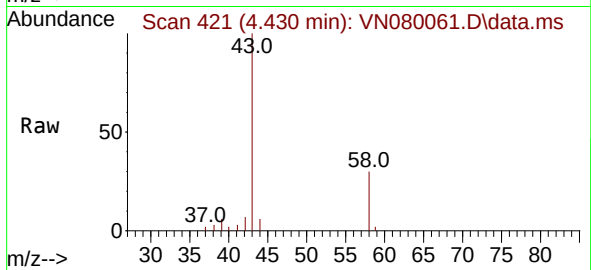




#16
Acetone
Concen: 31.120 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

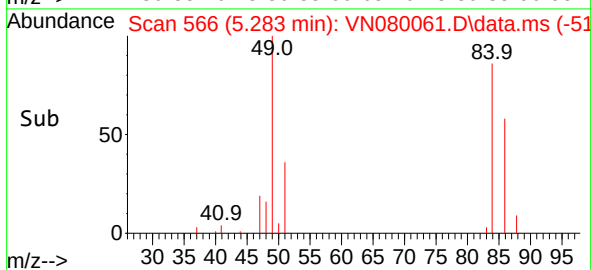
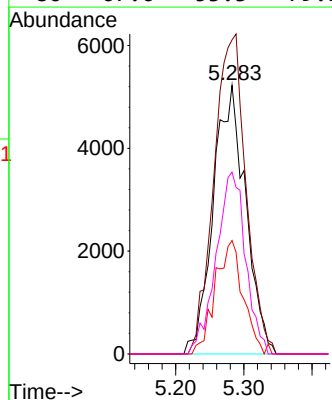
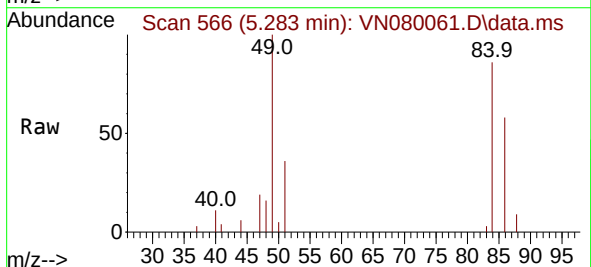
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

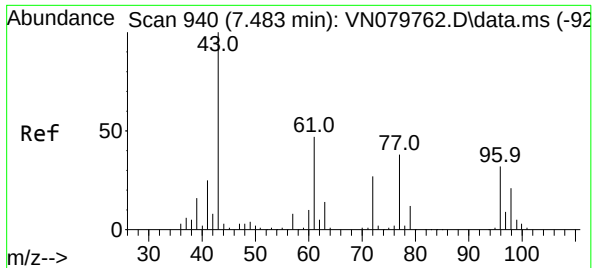
Tgt Ion: 43 Resp: 44410
Ion Ratio Lower Upper
43 100
58 29.8 28.0 42.0



#20
Methylene Chloride
Concen: 4.777 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 84 Resp: 17200
Ion Ratio Lower Upper
84 100
49 116.9 79.7 119.5
51 42.2 25.2 37.8#
86 67.6 53.3 79.9

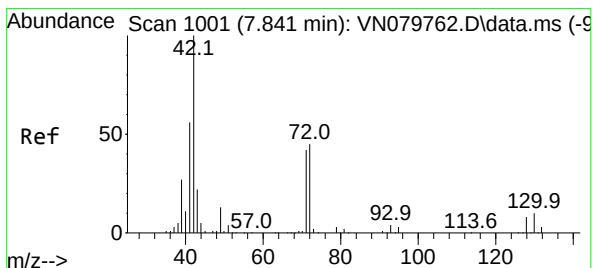
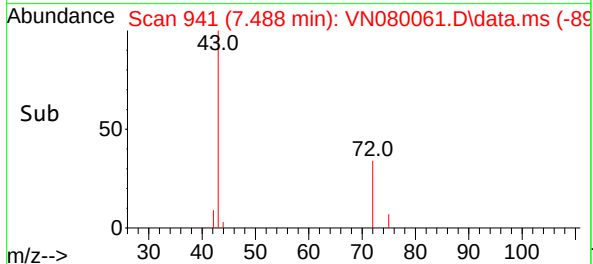
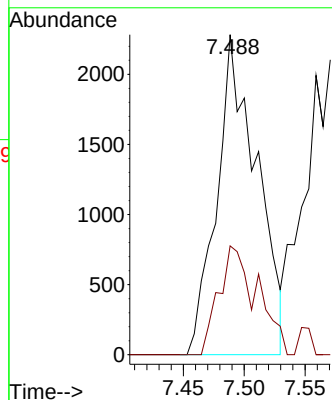
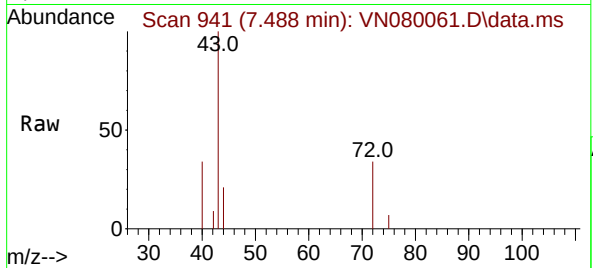




#25
2-Butanone
Concen: 2.491 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

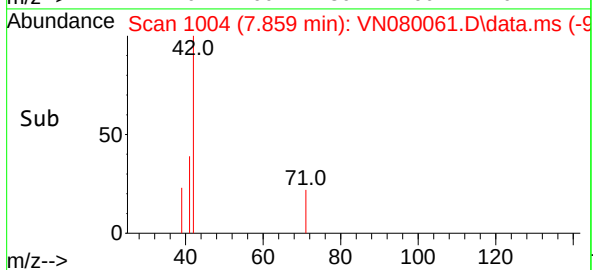
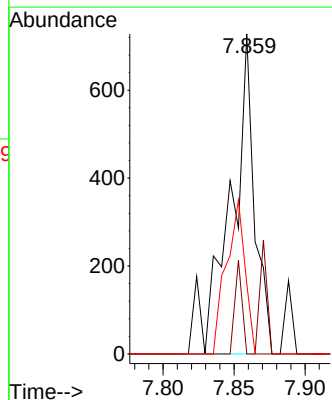
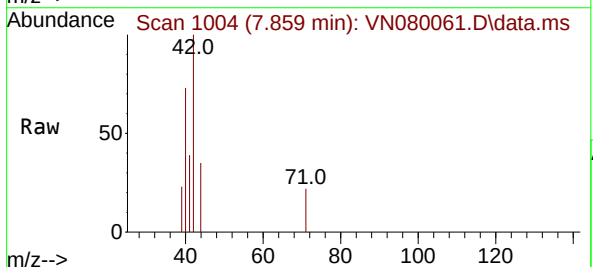
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

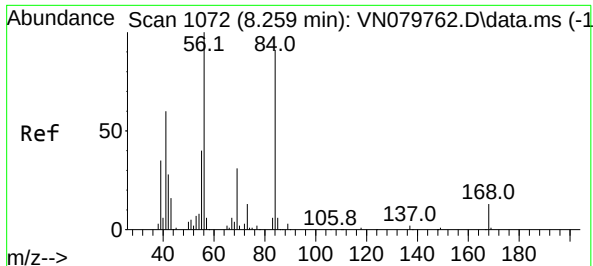
Tgt Ion: 43 Resp: 5205
Ion Ratio Lower Upper
43 100
72 34.0 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.638 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 42 Resp: 867
Ion Ratio Lower Upper
42 100
72 8.7 49.8 74.6#
71 37.1 47.4 71.2#

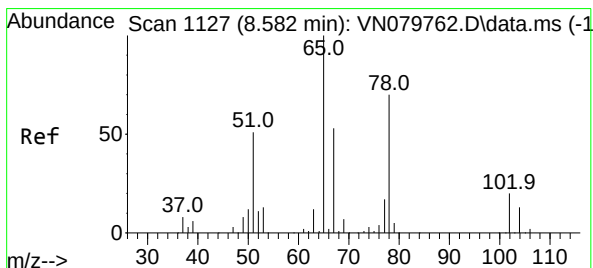
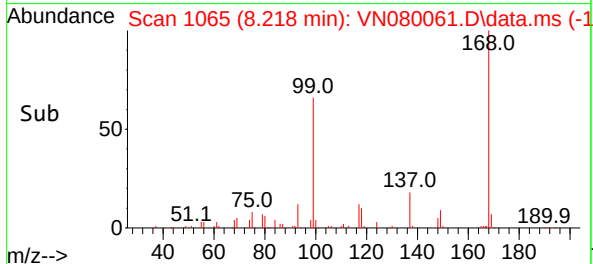
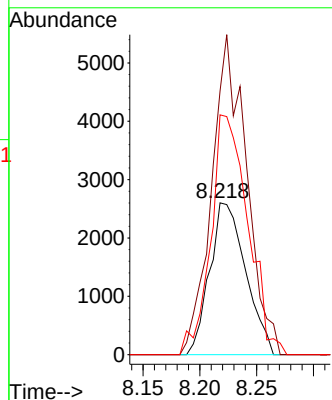
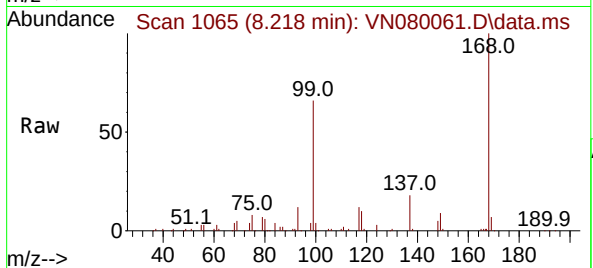




#31
Cyclohexane
Concen: 1.067 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

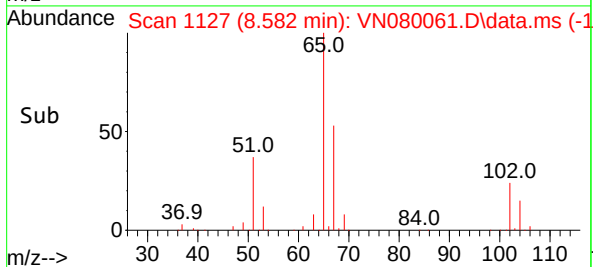
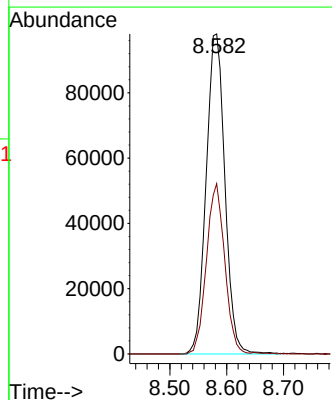
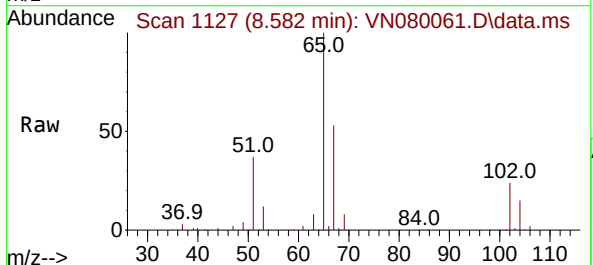
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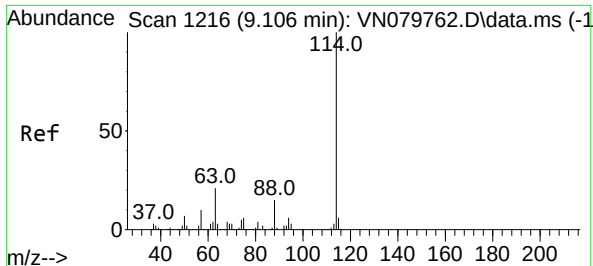
Tgt Ion: 56 Resp: 5727
Ion Ratio Lower Upper
56 100
69 173.5 26.8 40.2#
84 157.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.225 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 65 Resp: 224360
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#02

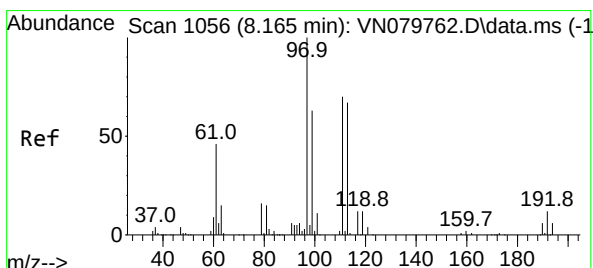
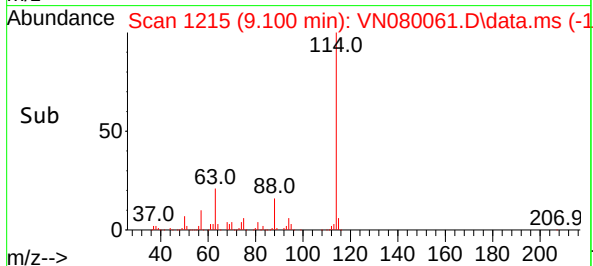
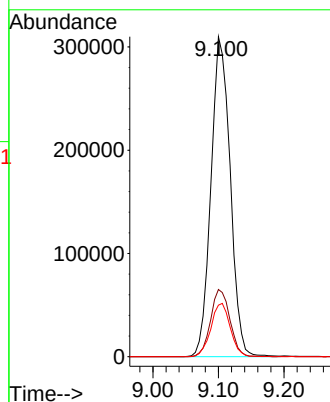
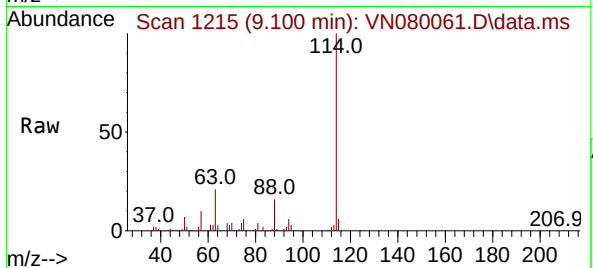
Tgt Ion:114 Resp: 631218

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 43.384 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

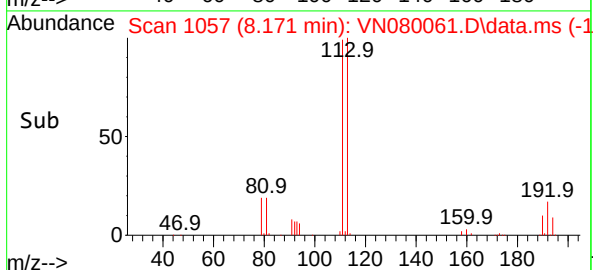
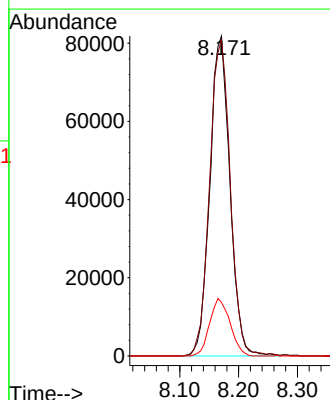
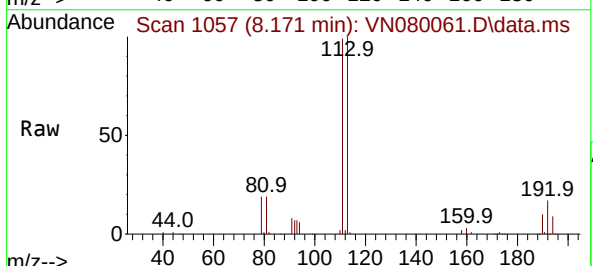
Tgt Ion:113 Resp: 193818

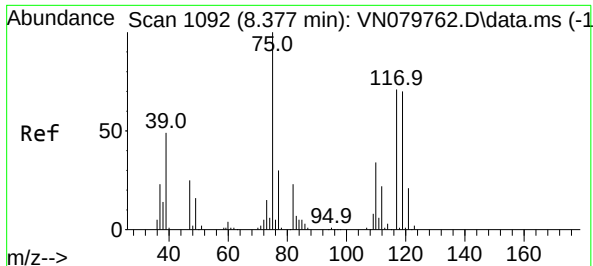
Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 18.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.414 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#02

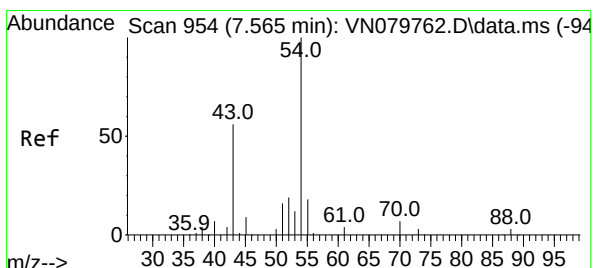
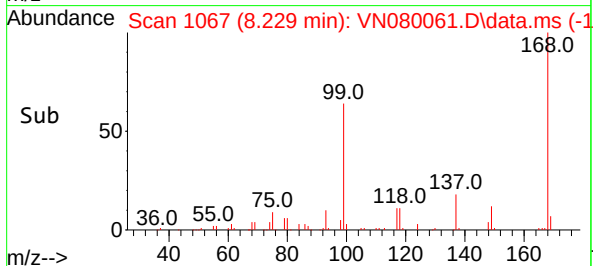
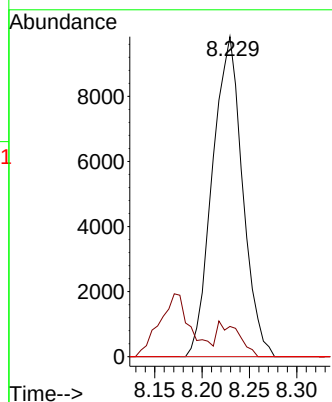
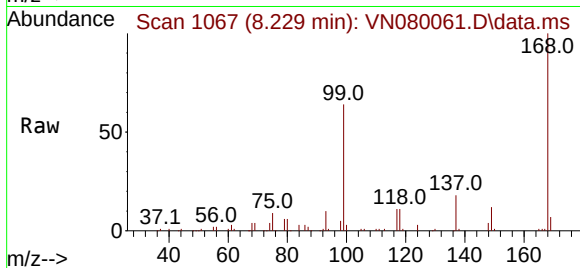
Tgt Ion: 75 Resp: 21775

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.952 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

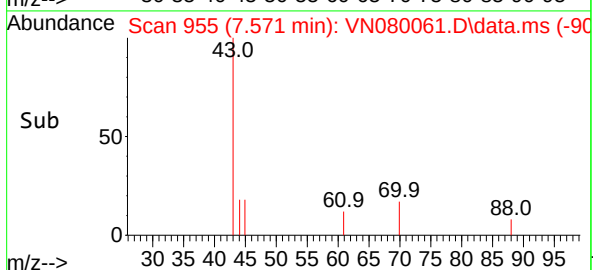
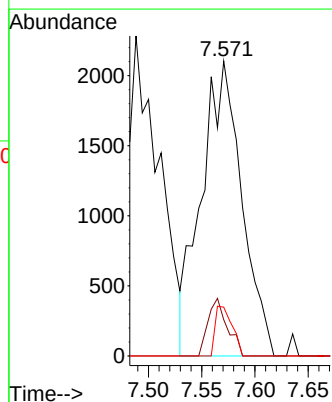
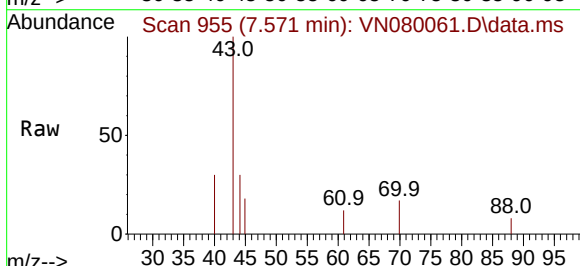
Tgt Ion: 43 Resp: 5568

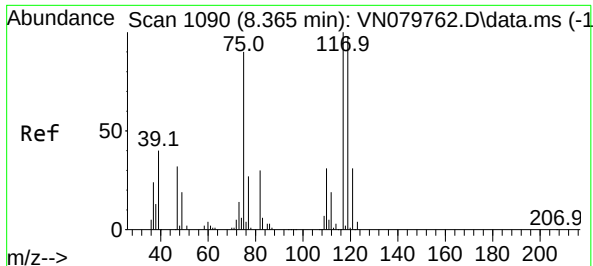
Ion Ratio Lower Upper

43 100

61 9.3 13.2 19.8#

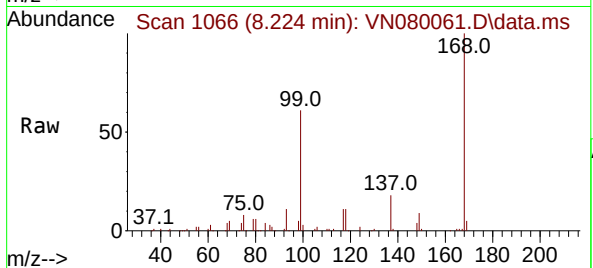
70 7.0 11.3 16.9#



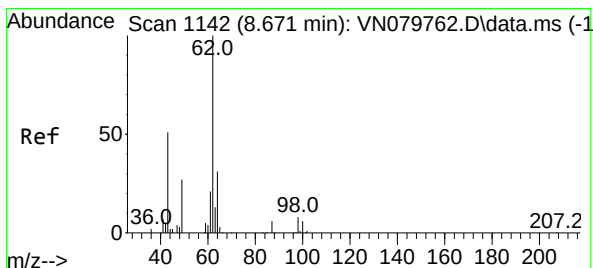
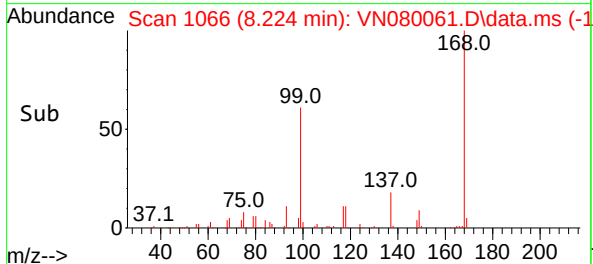
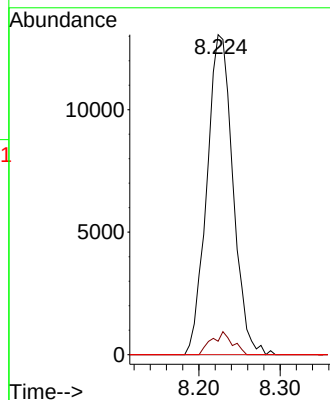


#38
Carbon Tetrachloride
Concen: 4.544 ug/l
RT: 8.224 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

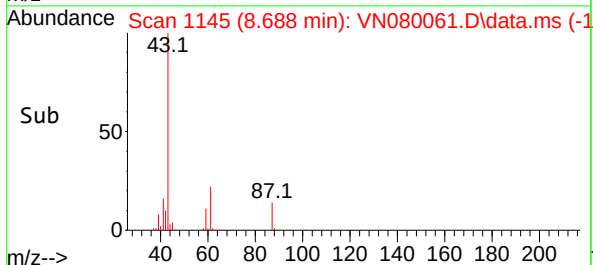
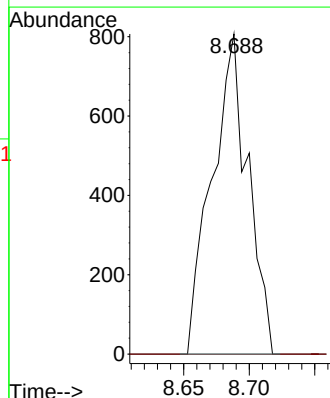
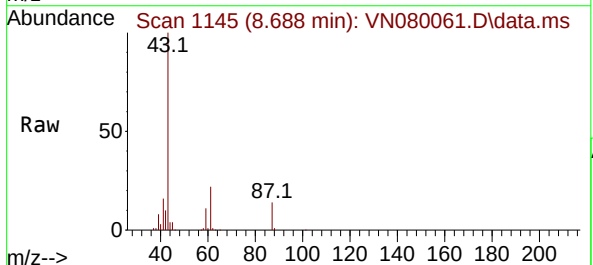


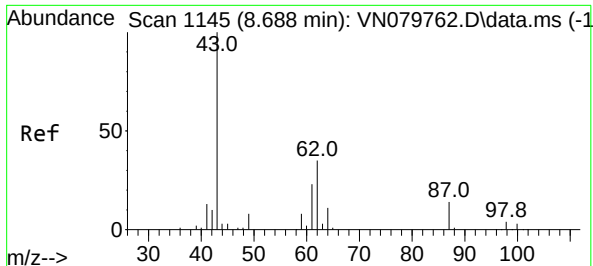
Tgt Ion: 117 Resp: 29210
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.231 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 62 Resp: 1541
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

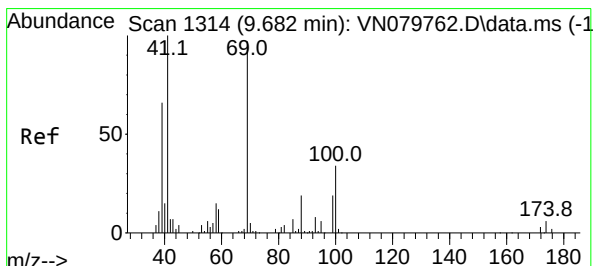
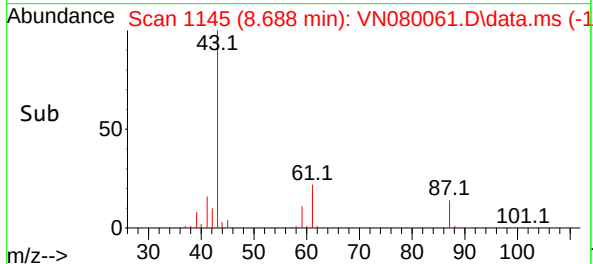
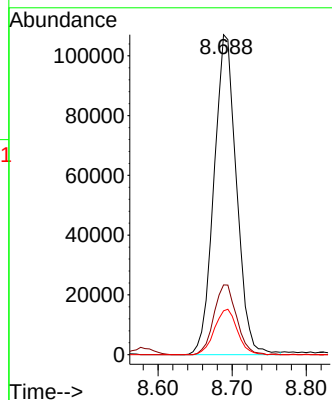
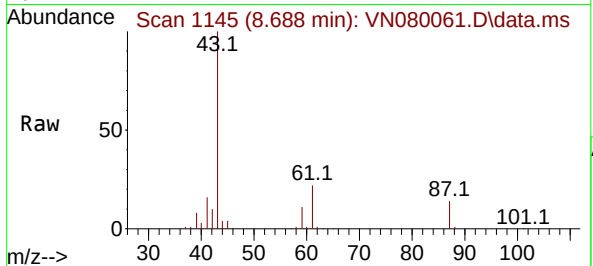




#43
Isopropyl Acetate
Concen: 22.022 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

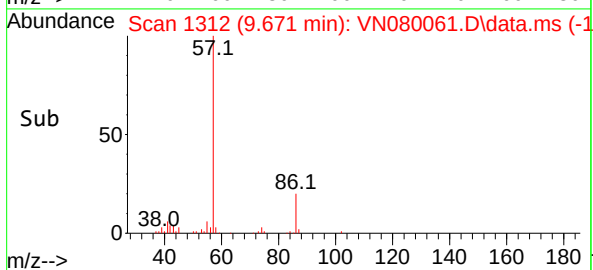
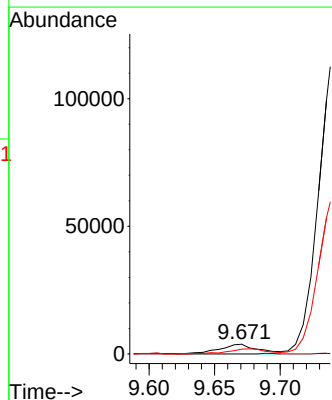
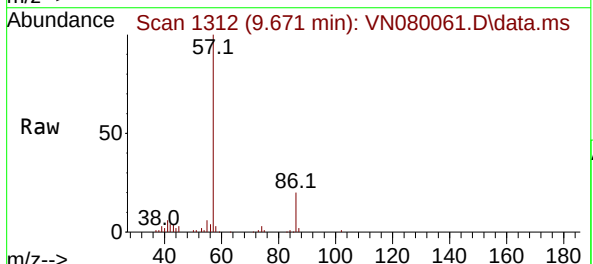
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

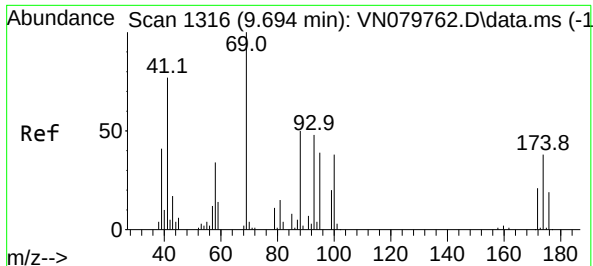
Tgt Ion: 43 Resp: 225934
Ion Ratio Lower Upper
43 100
61 22.0 24.7 37.1#
87 14.4 14.6 21.8#



#48
Methyl methacrylate
Concen: 1.749 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 41 Resp: 7861
Ion Ratio Lower Upper
41 100
69 2.1 90.4 135.6#
39 51.7 54.6 81.8#





#49

1,4-Dioxane

Concen: 0.768 ug/l

RT: 9.676 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#02

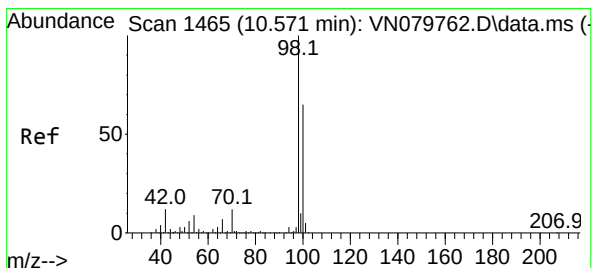
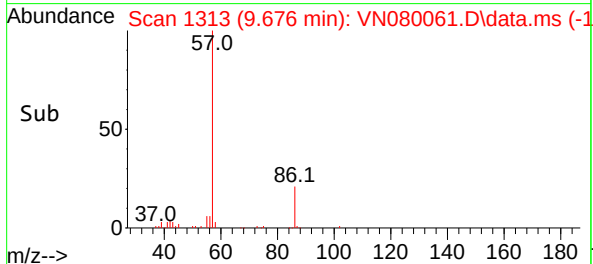
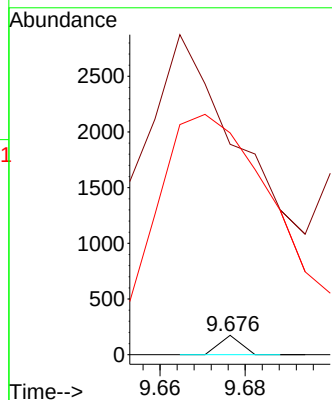
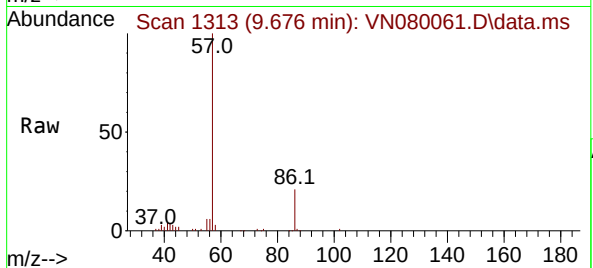
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 7755.7 47.0 70.4#



#50

Toluene-d8

Concen: 50.722 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080061.D

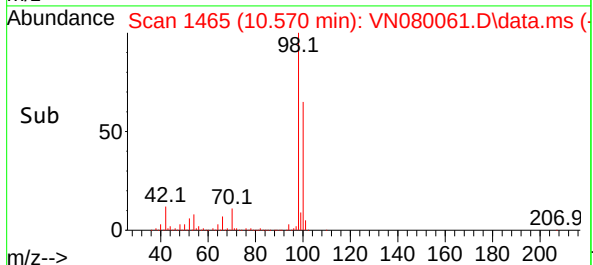
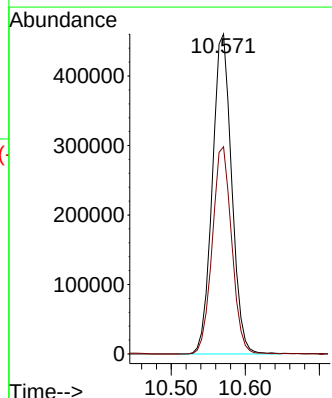
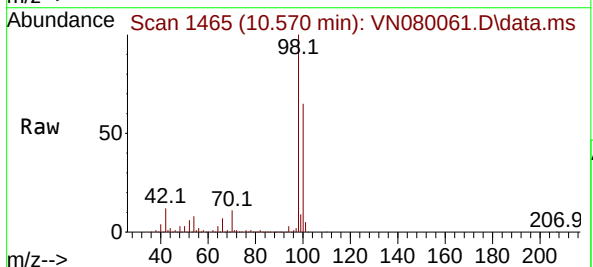
Acq: 13 Nov 2023 13:07

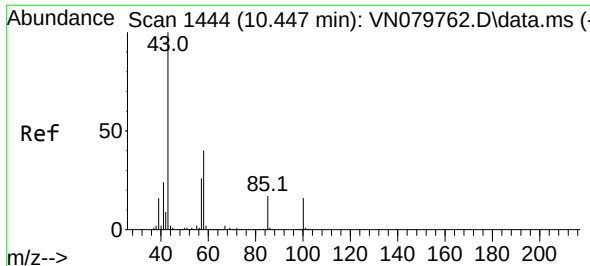
Tgt Ion: 98 Resp: 834197

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

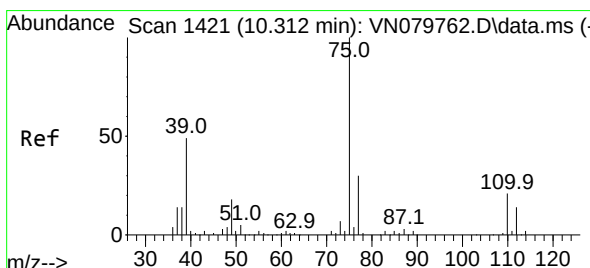
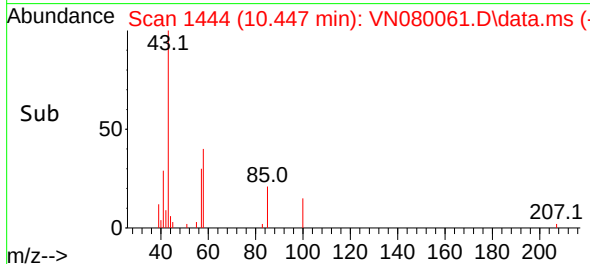
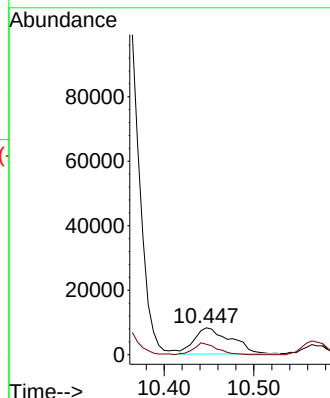
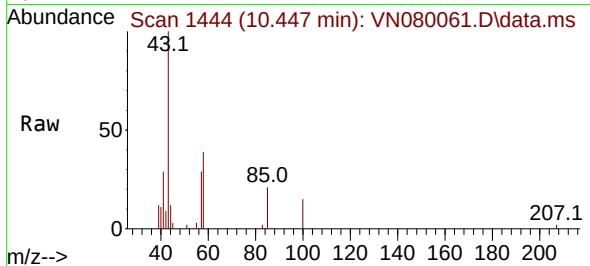




#51
4-Methyl-2-Pentanone
Concen: 3.943 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

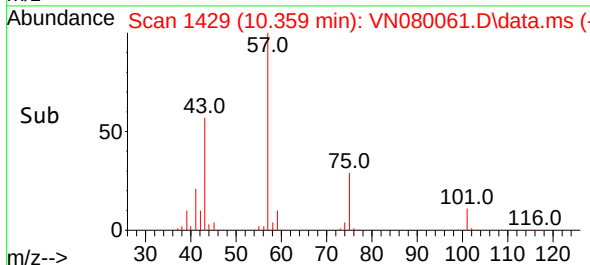
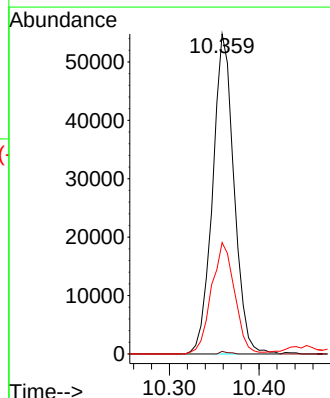
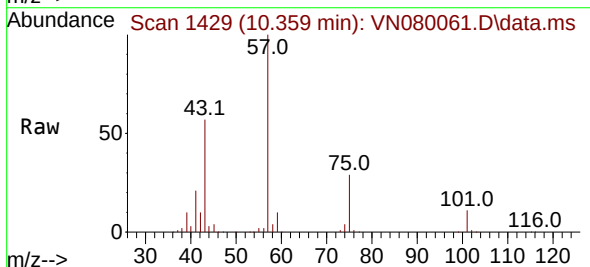
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

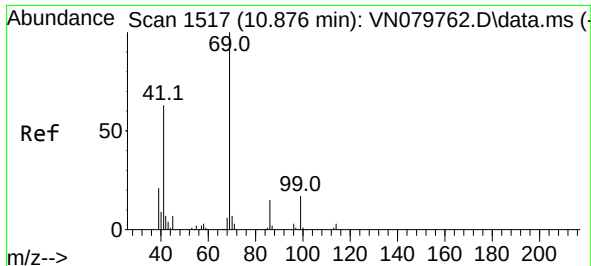
Tgt Ion: 43 Resp: 22775
Ion Ratio Lower Upper
43 100
58 28.8 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 11.929 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 75 Resp: 90625
Ion Ratio Lower Upper
75 100
77 0.8 26.1 39.1#
39 34.8 31.6 47.4

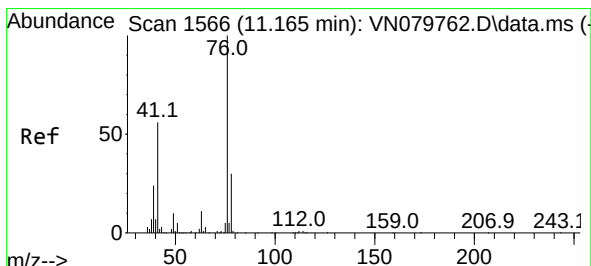
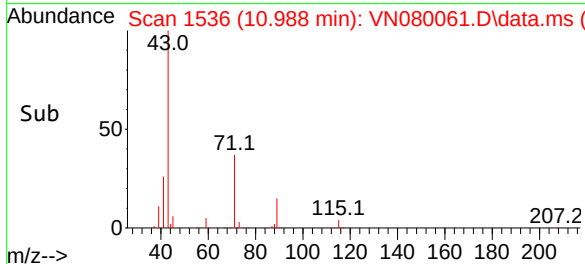
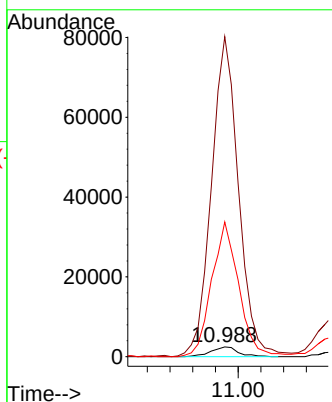
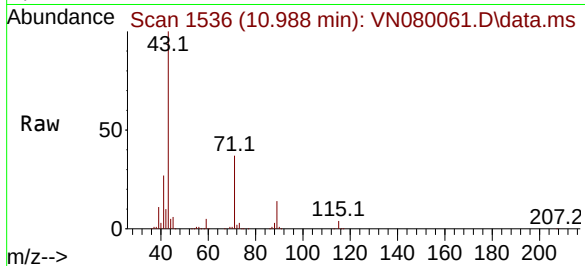




#56
Ethyl methacrylate
Concen: 0.631 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

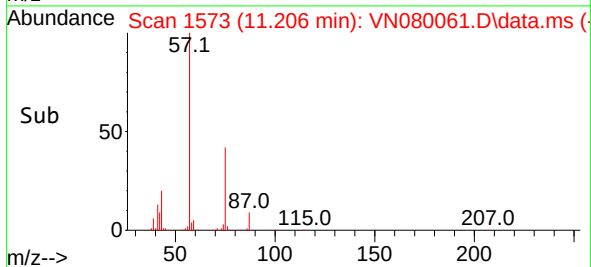
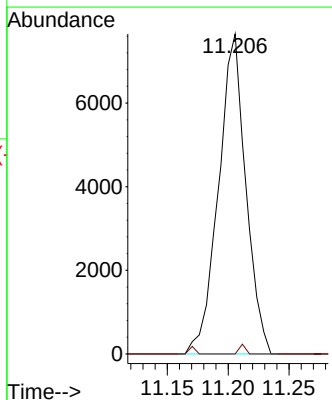
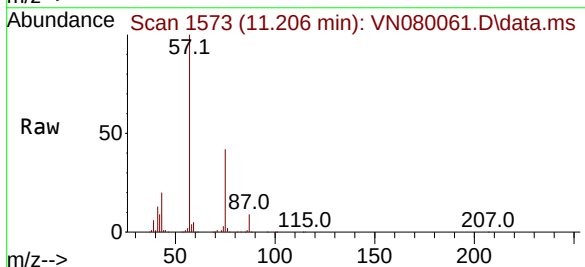
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

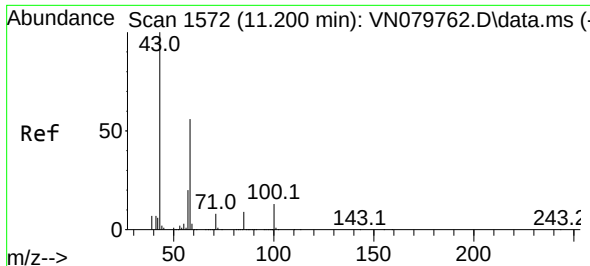
Tgt Ion: 69 Resp: 4099
Ion Ratio Lower Upper
69 100
41 3260.7 39.6 59.4#
39 1369.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.487 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 76 Resp: 11944
Ion Ratio Lower Upper
76 100
78 0.7 26.1 39.1#

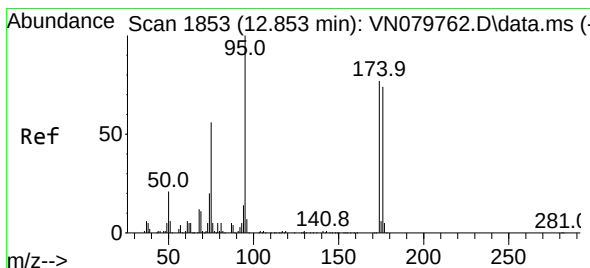
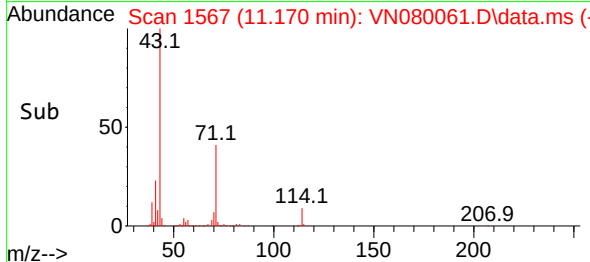
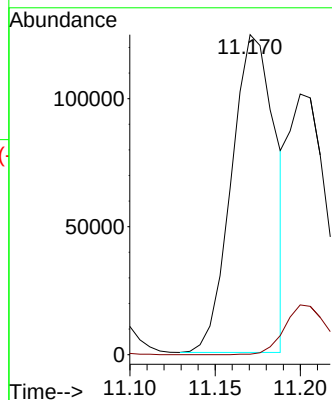
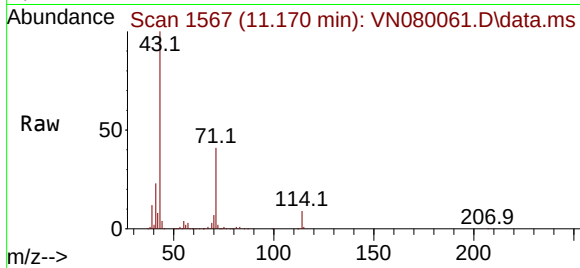




#59
2-Hexanone
Concen: 50.063 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.029 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

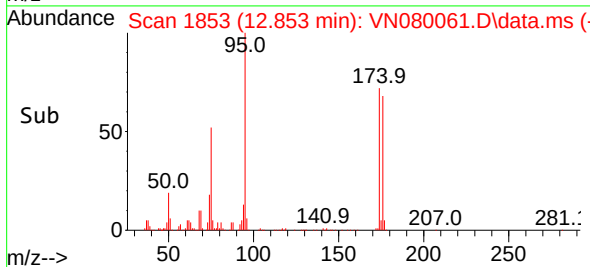
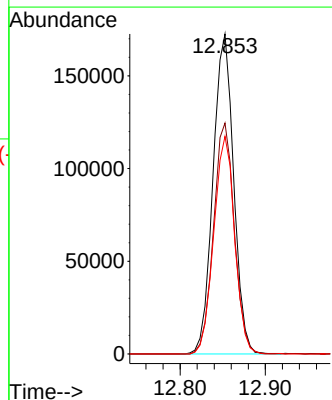
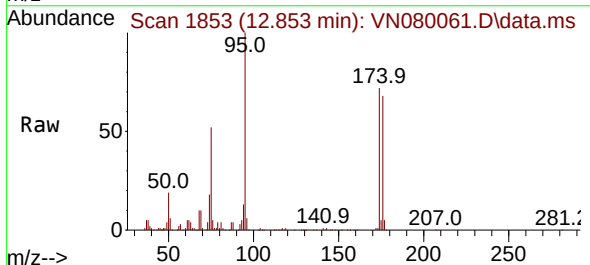
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

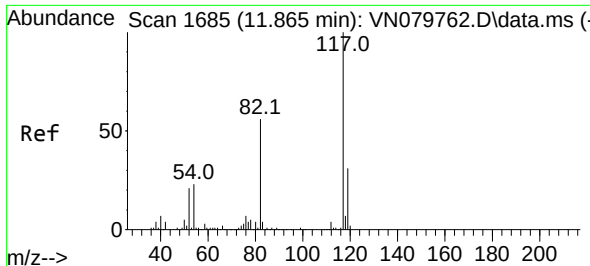
Tgt Ion: 43 Resp: 221207
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.144 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 95 Resp: 289873
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 68.7 0.0 135.8

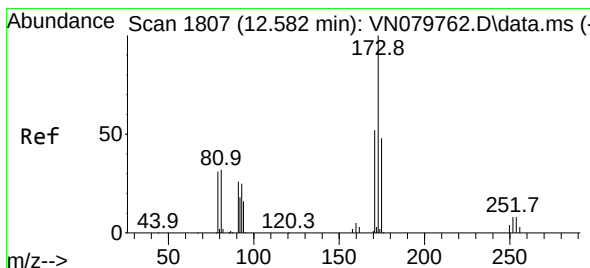
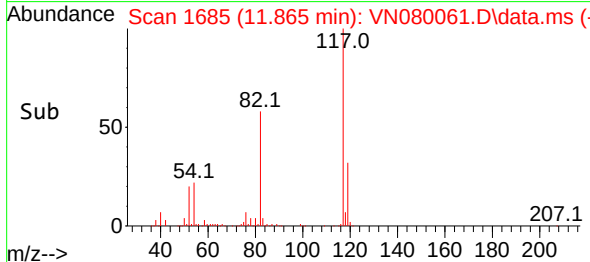
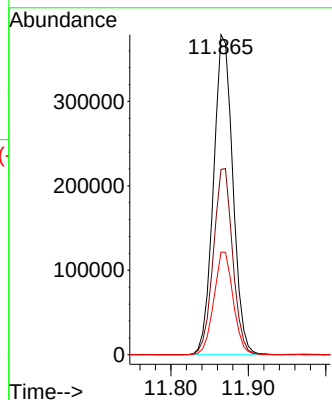
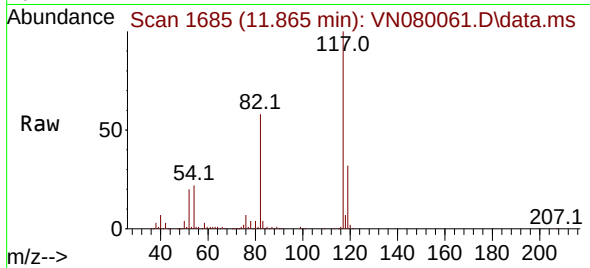




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

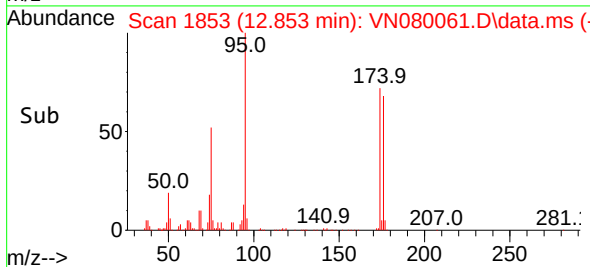
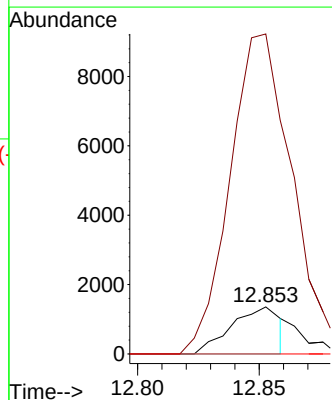
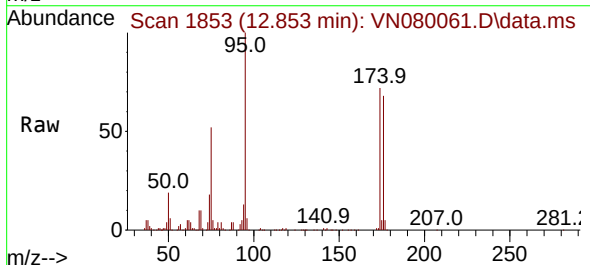
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

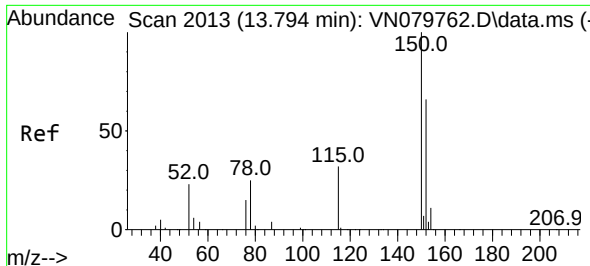
Tgt Ion:117 Resp: 658564
Ion Ratio Lower Upper
117 100
82 57.9 44.0 66.0
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.523 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

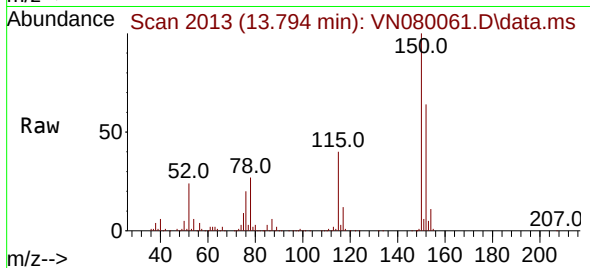
Tgt Ion:173 Resp: 1912
Ion Ratio Lower Upper
173 100
175 687.4 24.3 73.0#
254 0.0 0.0 0.0



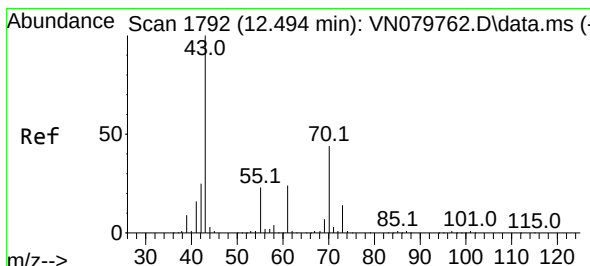
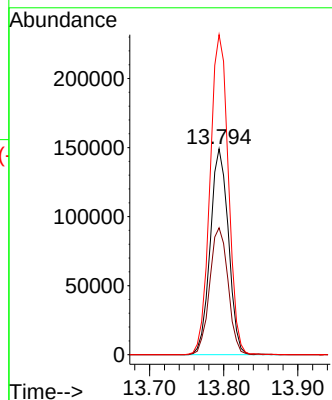
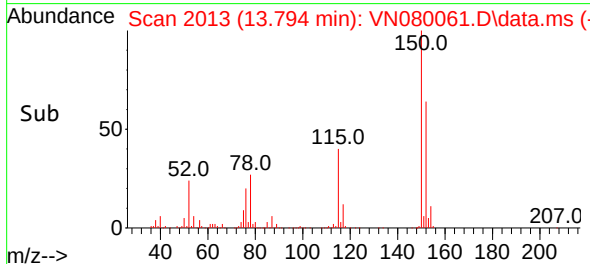


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

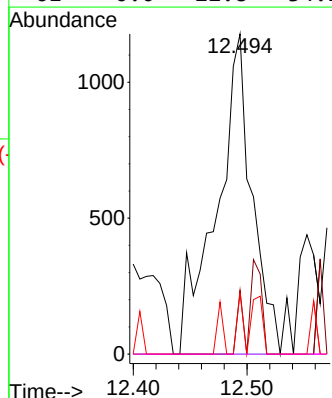
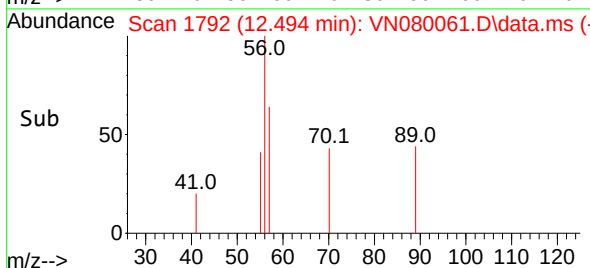
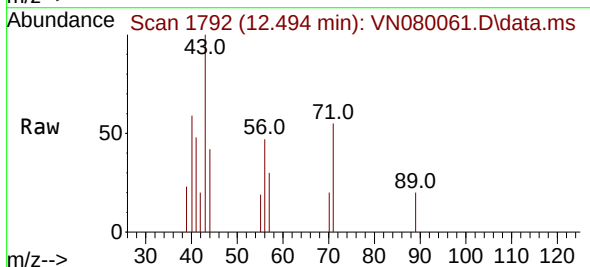


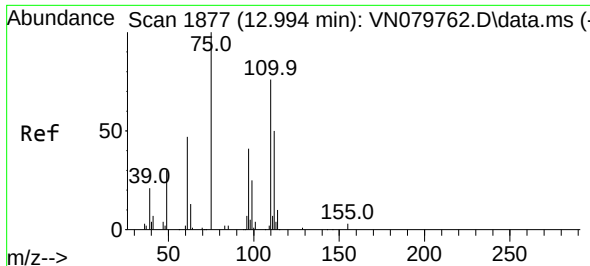
Tgt Ion:152 Resp: 253968
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 156.7 0.0 355.8



#74
N-ethyl acetate
Concen: 0.302 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 43 Resp: 2541
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.1 21.4 32.0#
61 0.0 22.8 34.2#

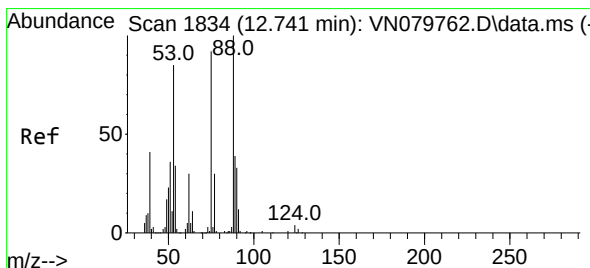
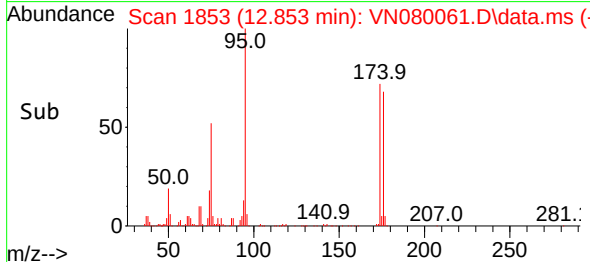
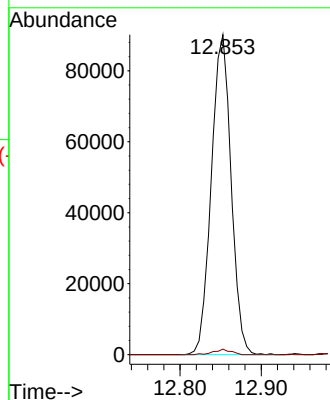
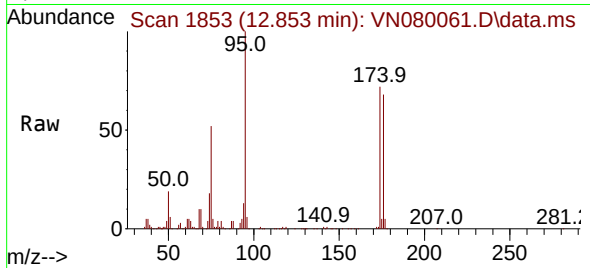




#76
1,2,3-Trichloropropane
Concen: 25.595 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

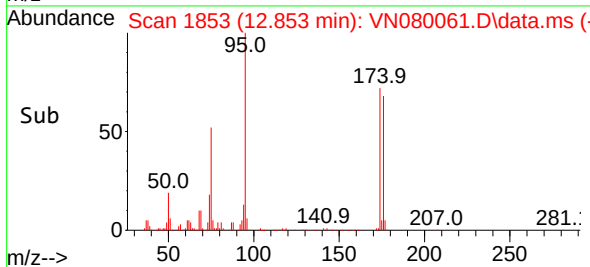
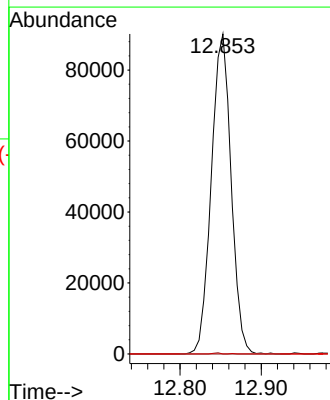
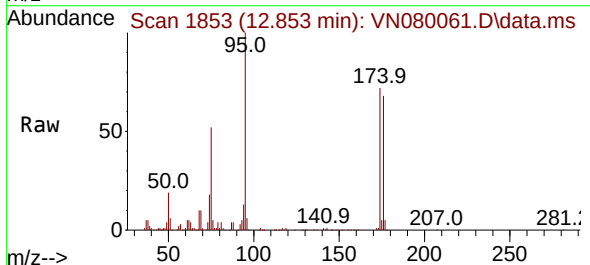
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#02

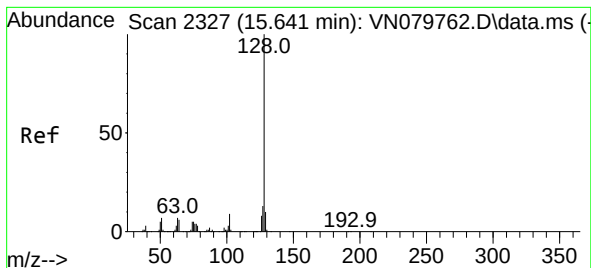
Tgt Ion: 75 Resp: 152608
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.638 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080061.D
Acq: 13 Nov 2023 13:07

Tgt Ion: 75 Resp: 152608
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 0.255 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#02

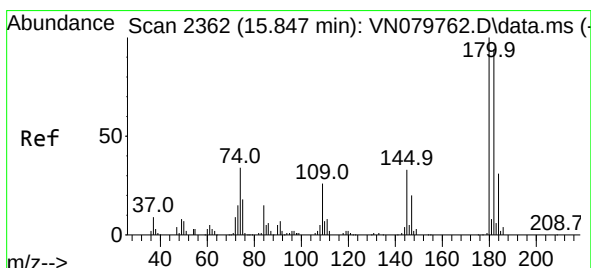
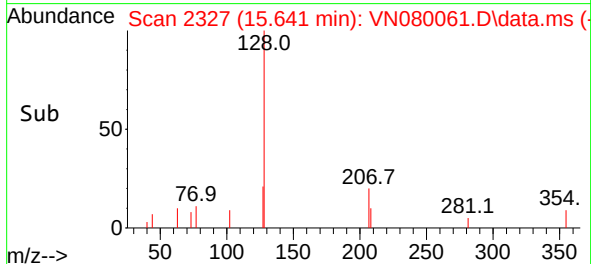
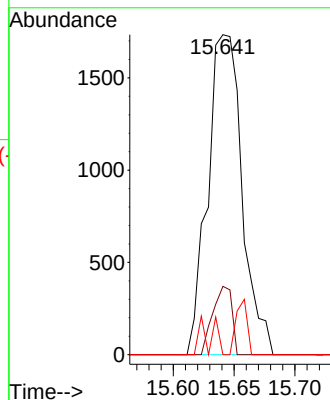
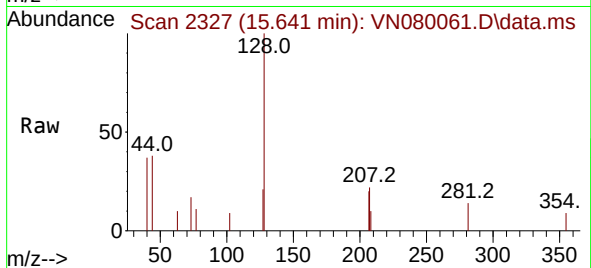
Tgt Ion:128 Resp: 3408

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

129 5.6 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.219 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080061.D

Acq: 13 Nov 2023 13:07

Tgt Ion:180 Resp: 847

Ion Ratio Lower Upper

180 100

182 136.2 46.2 138.6

145 15.2 17.5 52.6#

