

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080108.D
 Acq On : 15 Nov 2023 14:19
 Operator : JC\MD
 Sample : 05388-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 21:52:21 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)

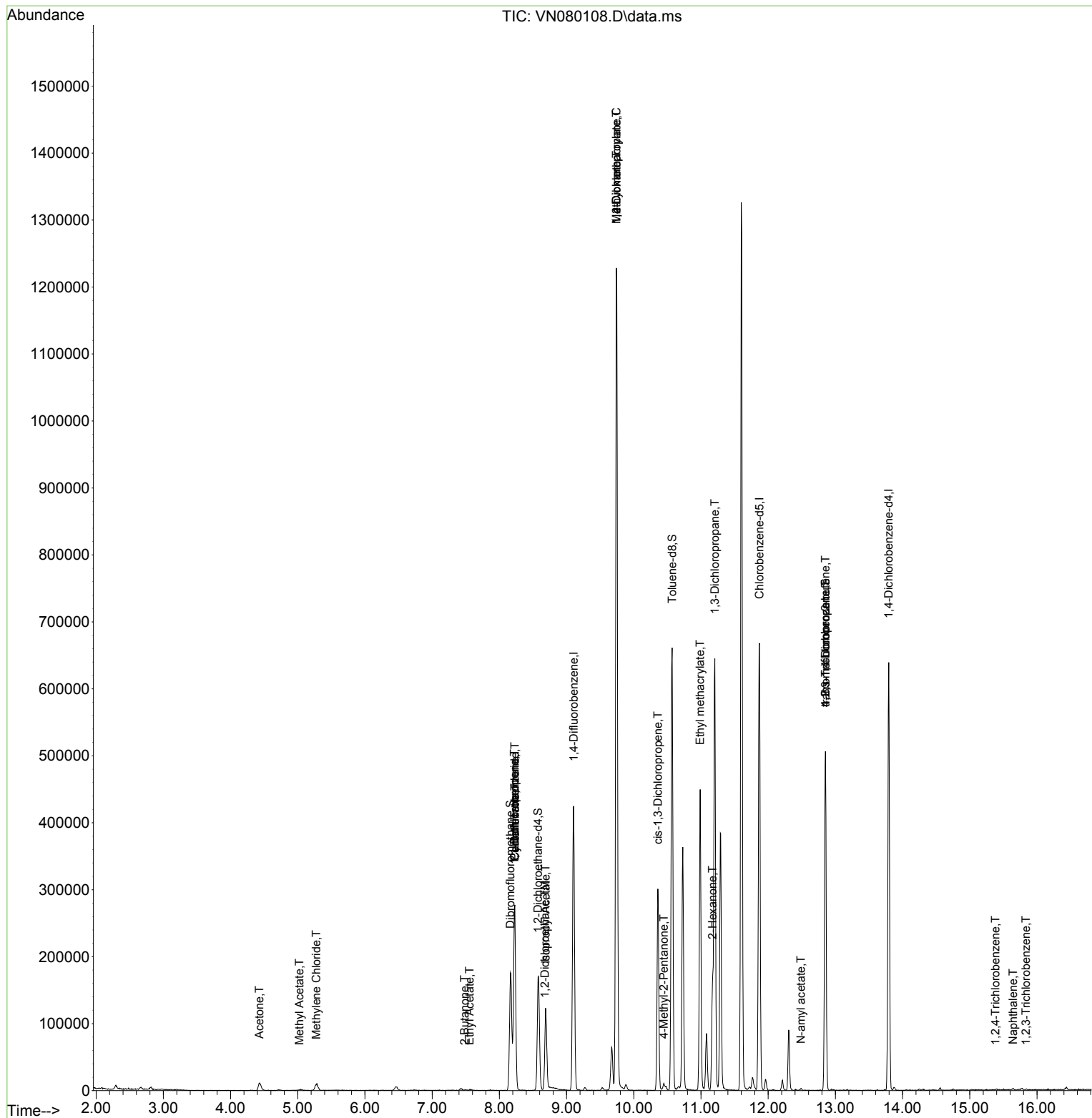
Internal Standards						
1) Pentafluorobenzene	8.230	168	187224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	384604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156405	54.832	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.660%	
35) Dibromofluoromethane	8.165	113	121931	48.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.980%	
50) Toluene-d8	10.571	98	449602	48.567	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.140%	
62) 4-Bromofluorobenzene	12.853	95	177907	57.947	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	441	Below Cal	#	42
16) Acetone	4.430	43	22162	22.119	ug/l	98
18) Methyl Acetate	5.024	43	1043	0.218	ug/l #	57
20) Methylene Chloride	5.277	84	8360	3.307	ug/l	95
25) 2-Butanone	7.483	43	926	0.631	ug/l #	37
31) Cyclohexane	8.230	56	4673	1.240	ug/l #	49
36) 1,1-Dichloropropene	8.224	75	16153	4.499	ug/l #	50
37) Ethyl Acetate	7.559	43	1157	0.351	ug/l #	75
38) Carbon Tetrachloride	8.230	117	21730	6.005	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	979	0.261	ug/l #	73
43) Isopropyl Acetate	8.688	43	128332	22.223	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1738	0.632	ug/l #	45
48) Methyl methacrylate	9.741	41	119923	47.411	ug/l #	28
49) 1,4-Dioxane	9.741	88	198	4.430	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11074	3.406	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	57114	13.356	ug/l #	66
56) Ethyl methacrylate	10.988	69	1995	0.545	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6986	1.546	ug/l #	42
59) 2-Hexanone	11.171	43	117450	47.223	ug/l #	19
74) N-amyl acetate	12.488	43	1346	0.245	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	99680	25.564	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	99680	69.553	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.382	180	536	0.208	ug/l #	68
95) Naphthalene	15.647	128	2243	0.257	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.835	180	658	0.260	ug/l #	57

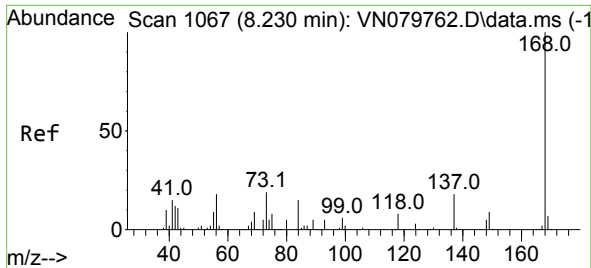
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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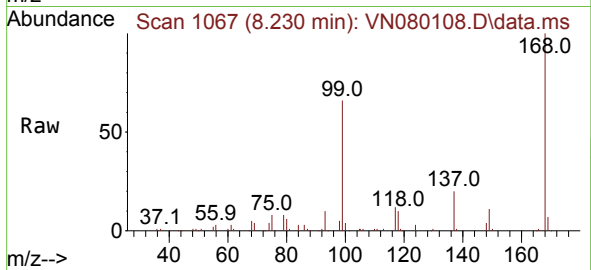
Quant Time: Nov 15 21:52:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



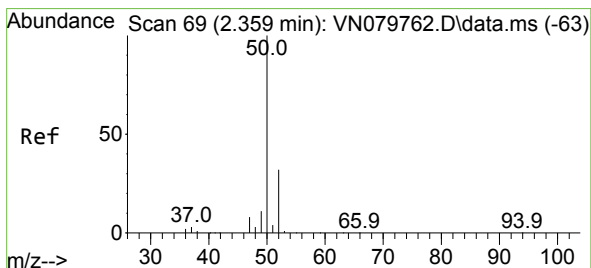
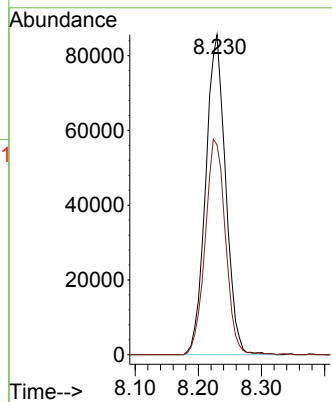
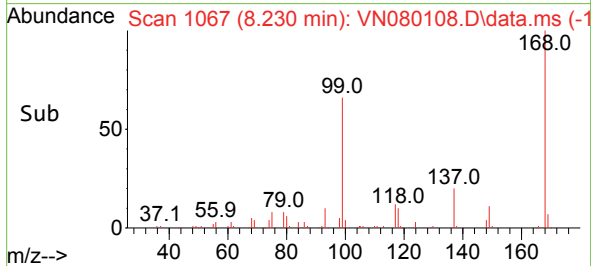


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

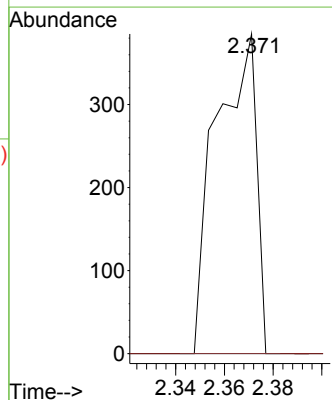
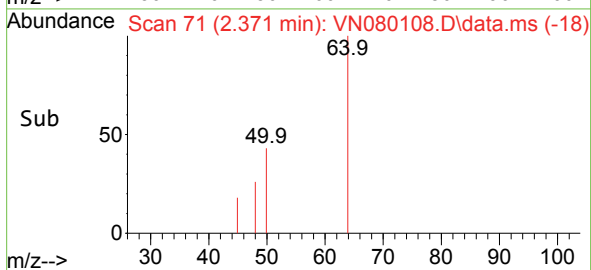
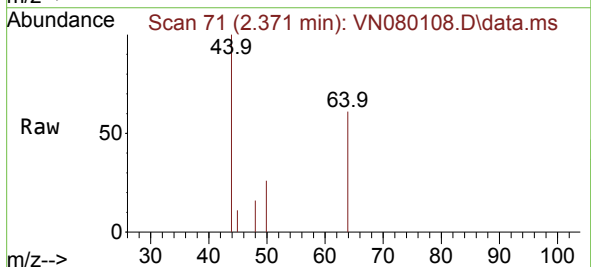


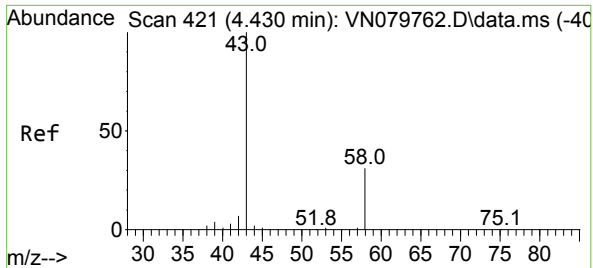
Tgt Ion:168 Resp: 187224
Ion Ratio Lower Upper
168 100
99 65.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

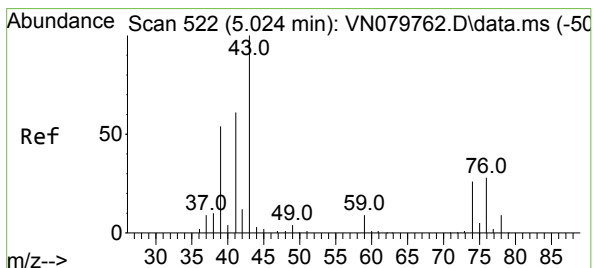
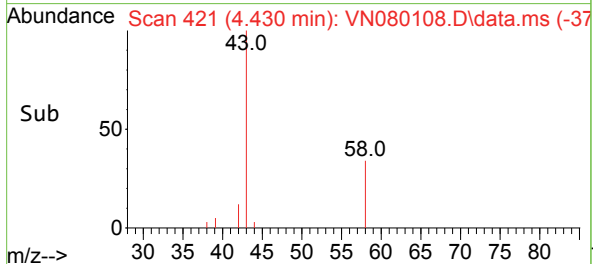
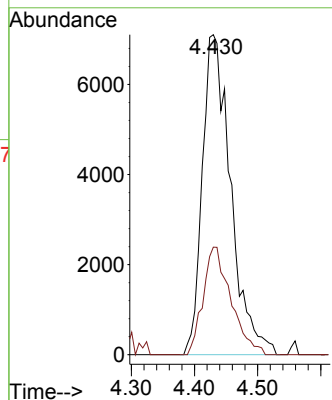
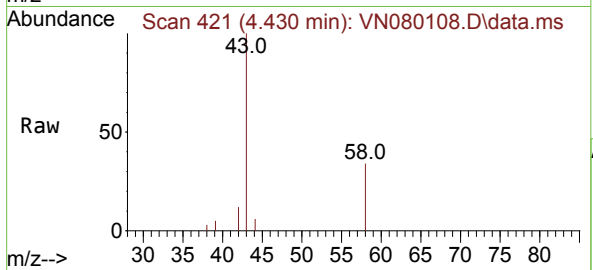




#16
Acetone
Concen: 22.119 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

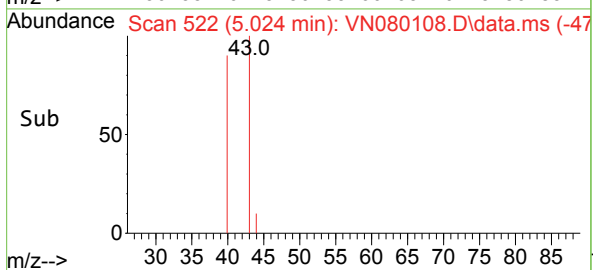
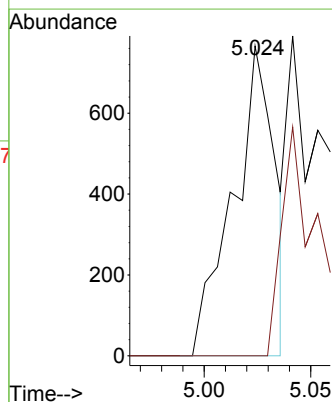
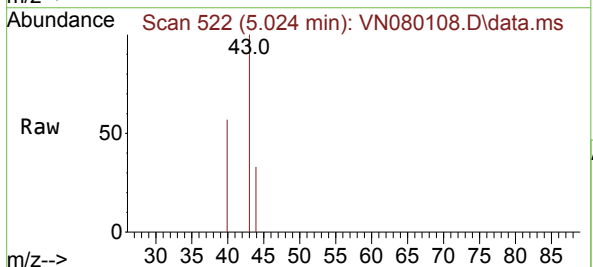
Instrument :
MSVOA_N
ClientSampleId :

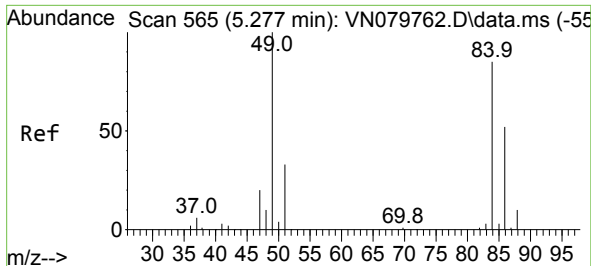
Tgt Ion: 43 Resp: 22162
Ion Ratio Lower Upper
43 100
58 33.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

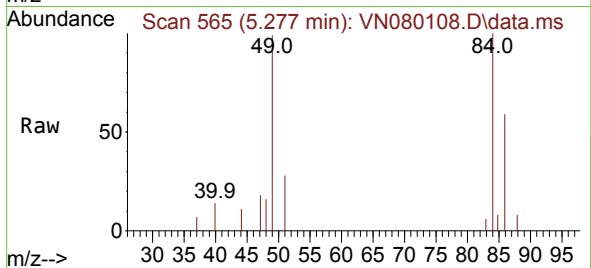
Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
74 57.1 26.2 39.4#



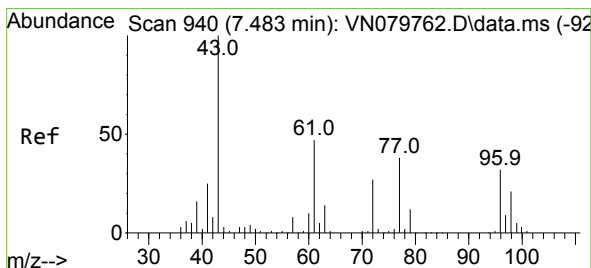
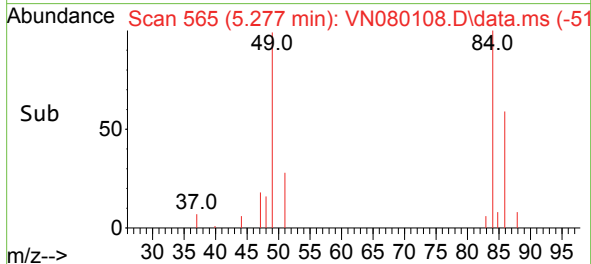
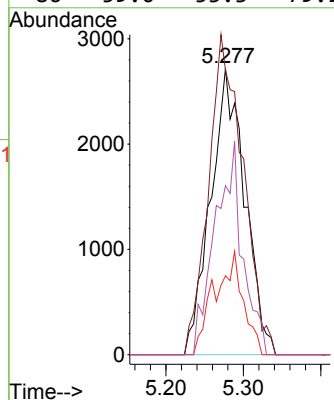


#20
Methylene Chloride
Concen: 3.307 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

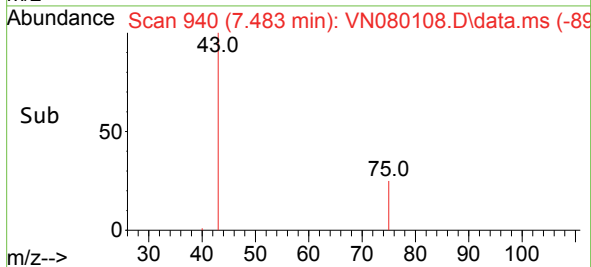
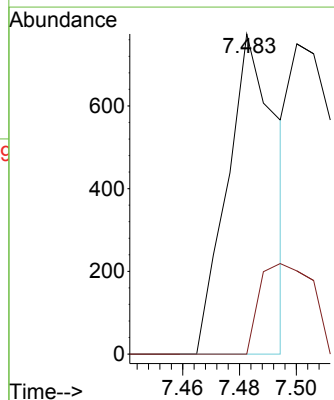
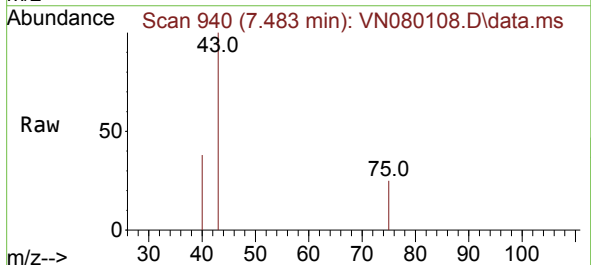


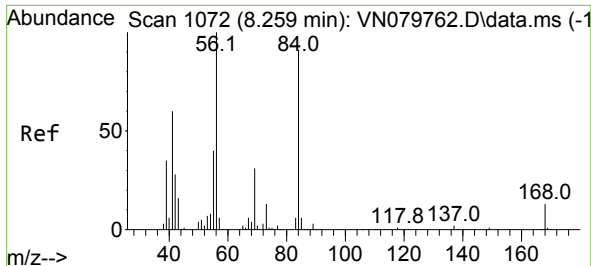
Tgt Ion: 84	Resp:	8360	
Ion	Ratio	Lower	Upper
84	100		
49	99.3	79.7	119.5
51	27.5	25.2	37.8
86	59.0	53.3	79.9



#25
2-Butanone
Concen: 0.631 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

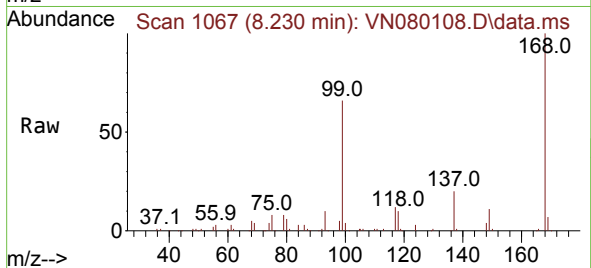
Tgt Ion: 43	Resp:	926	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#



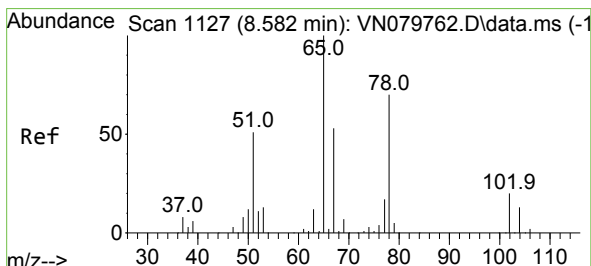
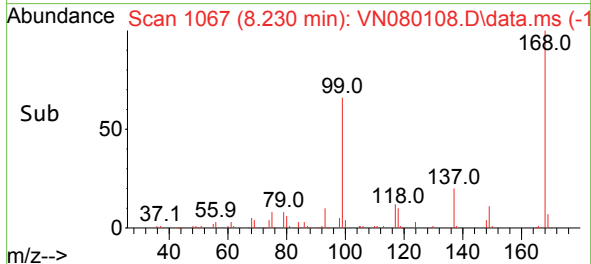
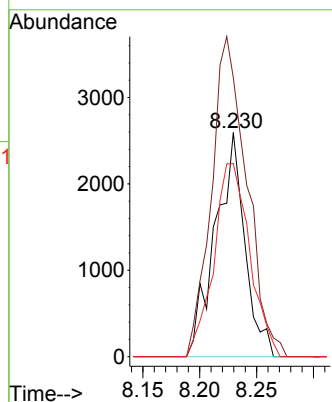


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Instrument :
MSVOA_N
ClientSampleId :

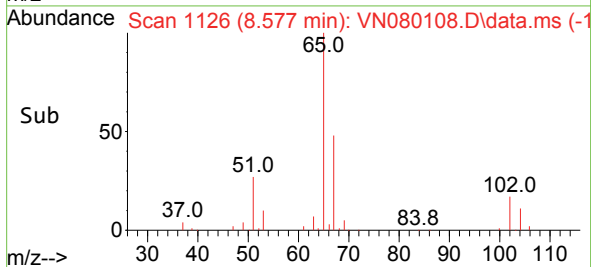
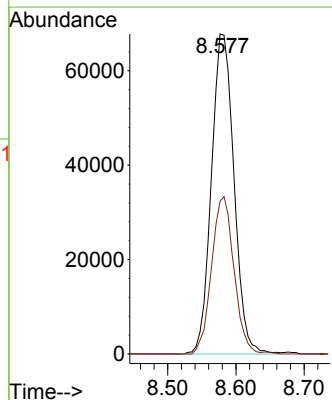
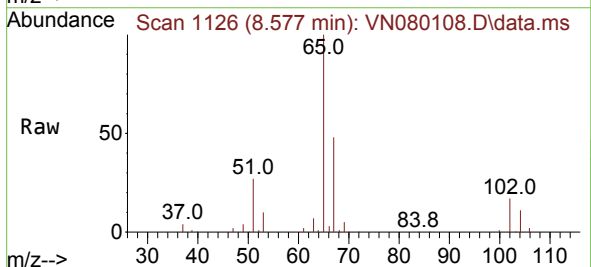


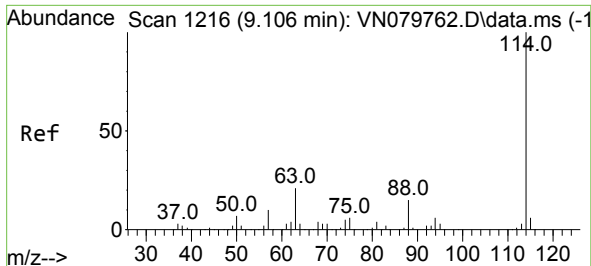
Tgt Ion: 56 Resp: 4673
Ion Ratio Lower Upper
56 100
69 124.5 26.8 40.2#
84 86.2 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 54.832 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 65 Resp: 156405
Ion Ratio Lower Upper
65 100
67 48.9 0.0 106.6

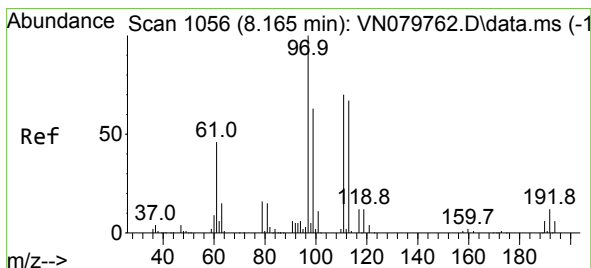
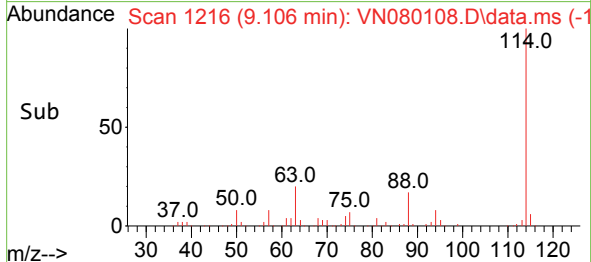
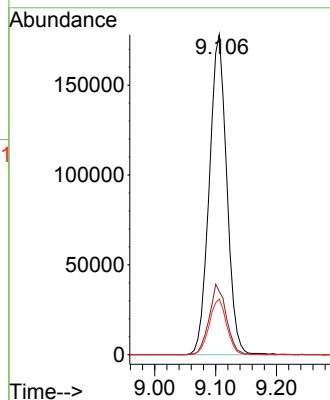
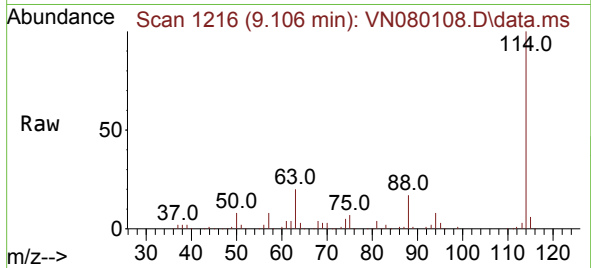




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

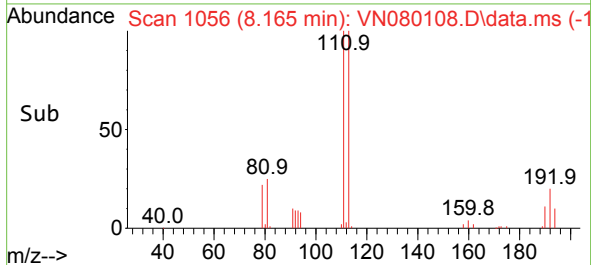
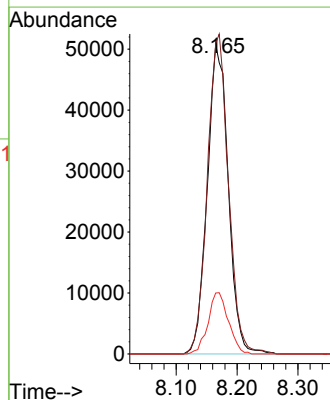
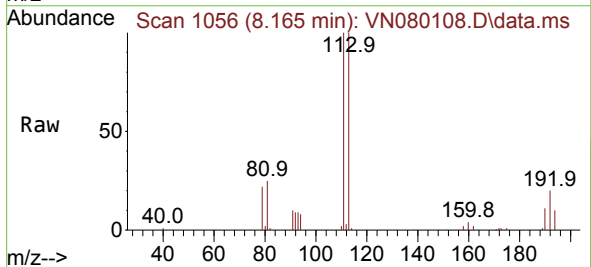
Instrument :
MSVOA_N
ClientSampleId :

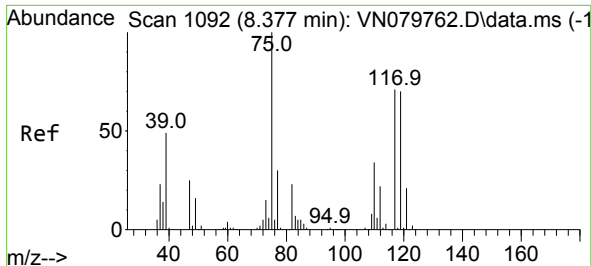
Tgt Ion:114 Resp: 355295
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.4
88 17.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.489 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion:113 Resp: 121931
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 19.2 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.499 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

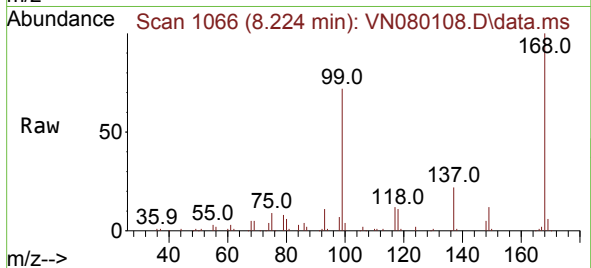
Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

Instrument :

MSVOA_N

ClientSampleId :



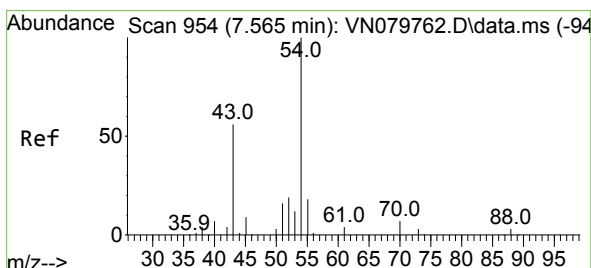
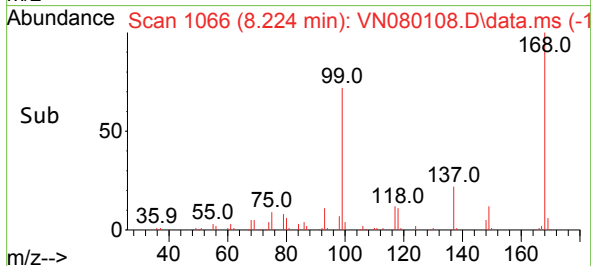
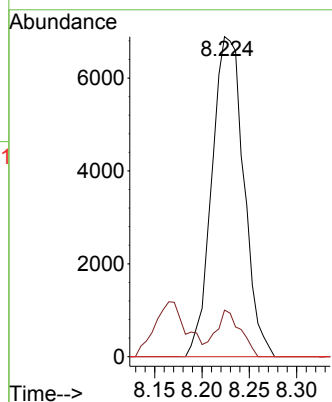
Tgt Ion: 75 Resp: 16153

Ion Ratio Lower Upper

75 100

110 11.3 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.351 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.006 min

Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

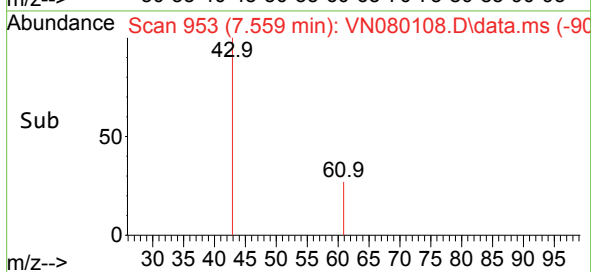
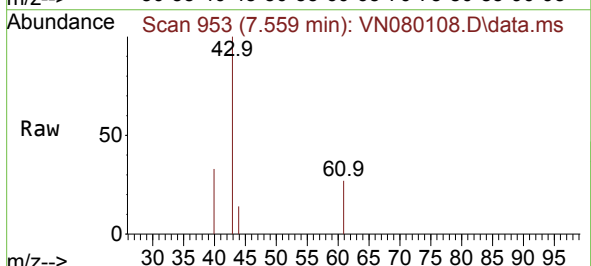
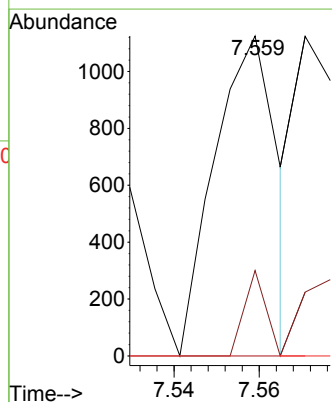
Tgt Ion: 43 Resp: 1157

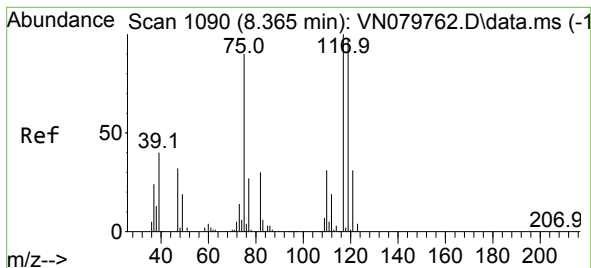
Ion Ratio Lower Upper

43 100

61 9.2 13.2 19.8#

70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.129 min

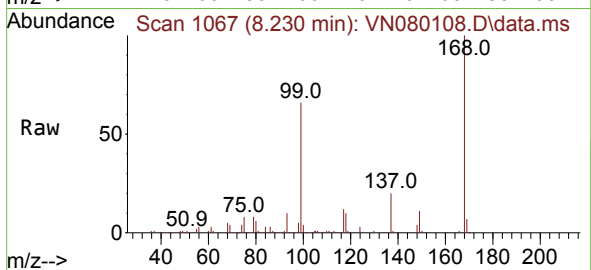
Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

Instrument :

MSVOA_N

ClientSampleId :



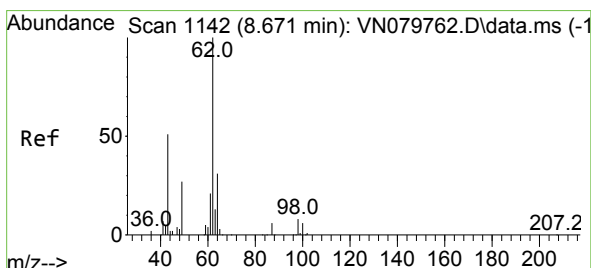
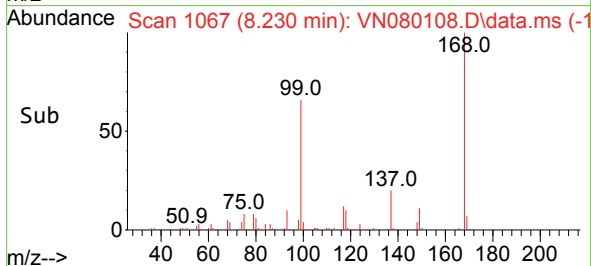
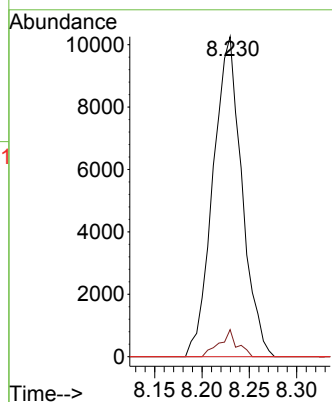
Tgt Ion:117 Resp: 21730

Ion Ratio Lower Upper

117 100

119 8.5 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080108.D

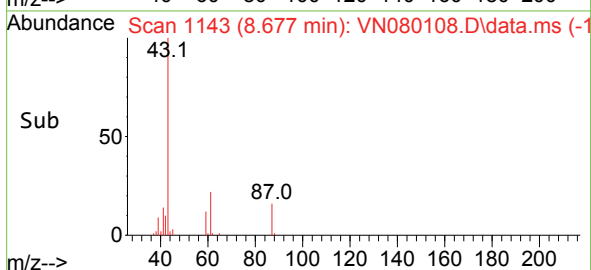
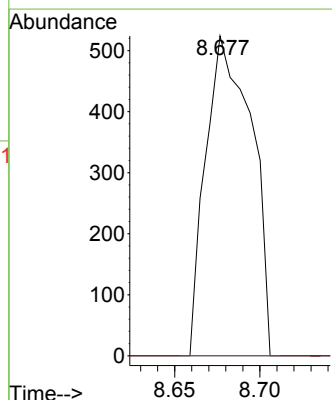
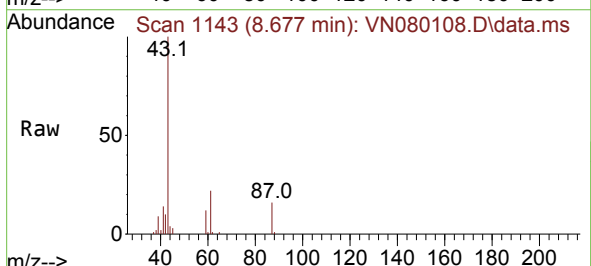
Acq: 15 Nov 2023 14:19

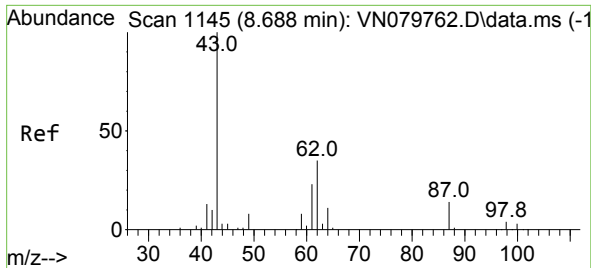
Tgt Ion: 62 Resp: 979

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

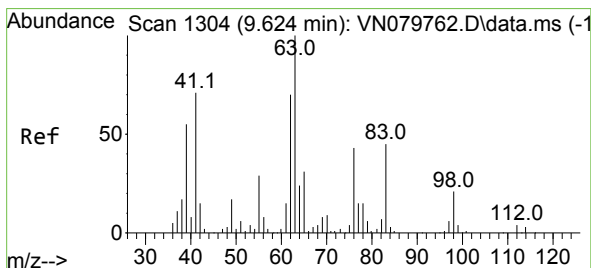
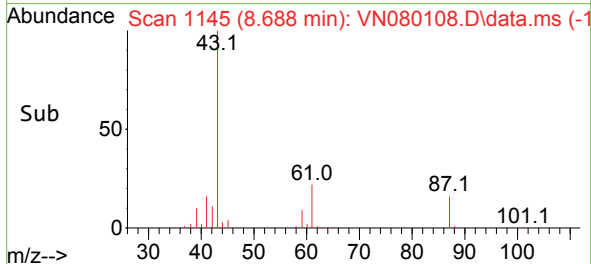
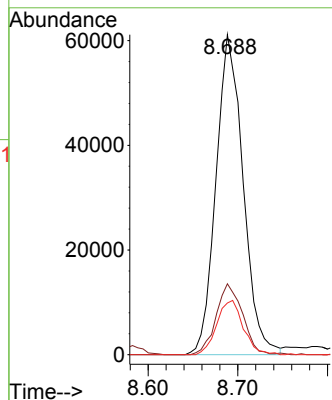
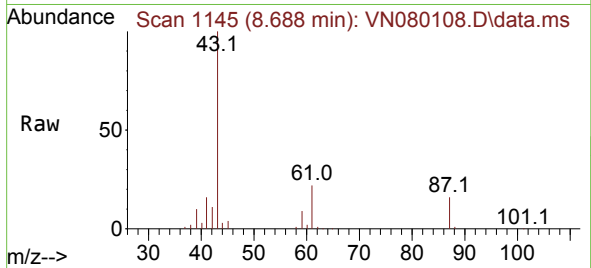




#43
Isopropyl Acetate
Concen: 22.223 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

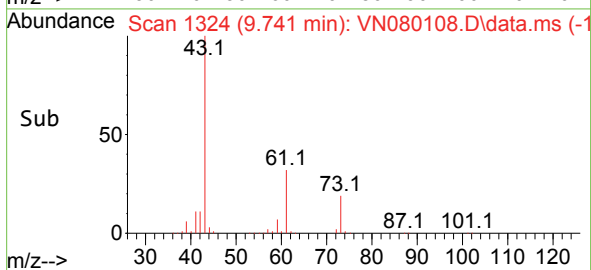
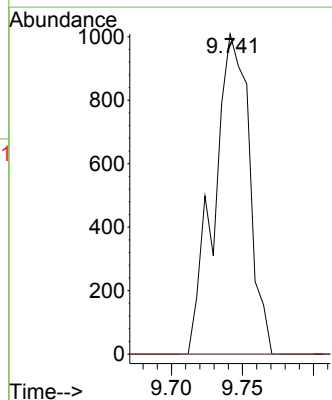
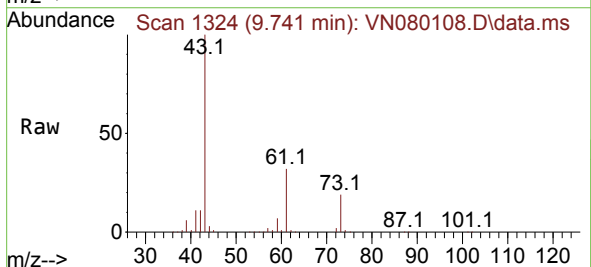
Instrument :
MSVOA_N
ClientSampleId :

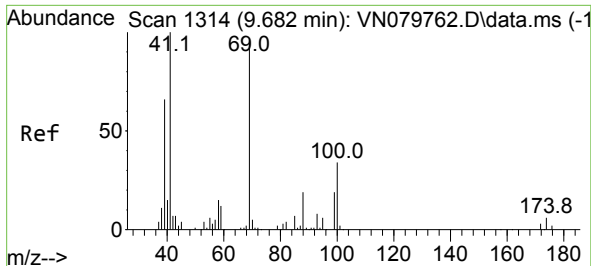
Tgt Ion: 43 Resp: 128332
Ion Ratio Lower Upper
43 100
61 21.6 24.7 37.1#
87 16.6 14.6 21.8



#45
1,2-Dichloropropane
Concen: 0.632 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 63 Resp: 1738
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

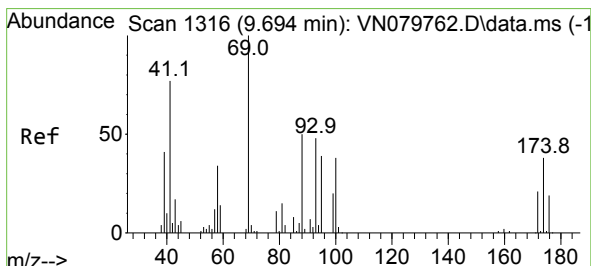
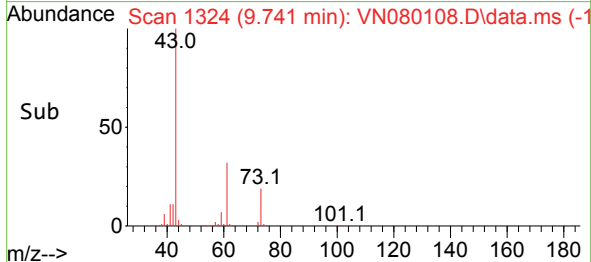
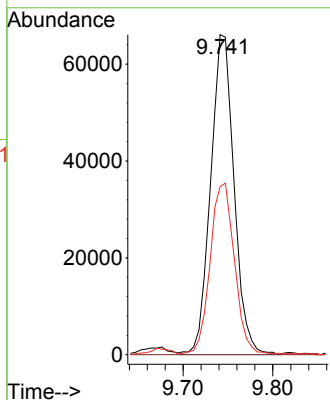
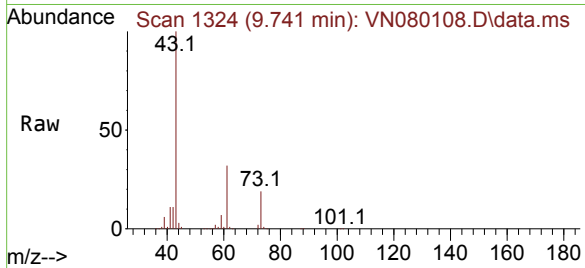




#48
Methyl methacrylate
Concen: 47.411 ug/l
RT: 9.741 min Scan# 1314
Delta R.T. 0.059 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

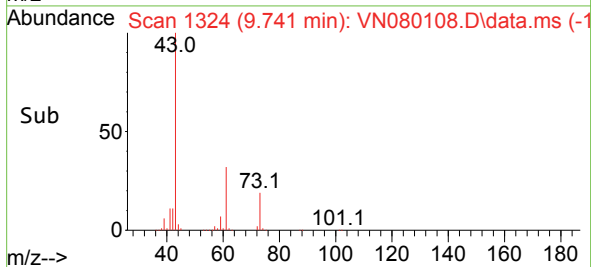
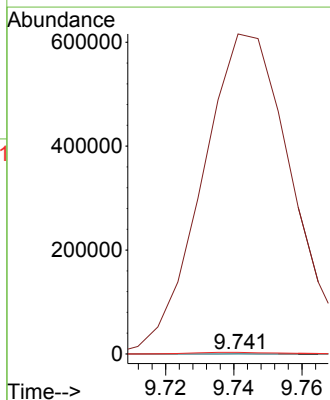
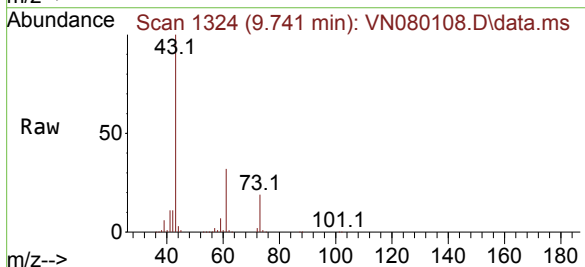
Instrument :
MSVOA_N
ClientSampleId :

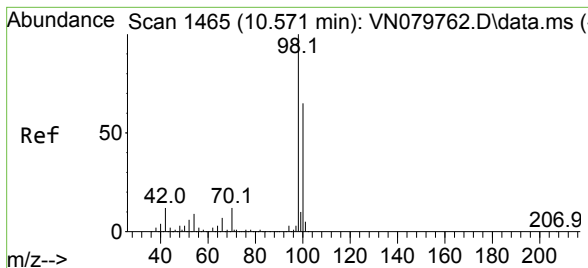
Tgt Ion: 41 Resp: 119923
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 55.2 54.6 81.8



#49
1,4-Dioxane
Concen: 4.430 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 88 Resp: 198
Ion Ratio Lower Upper
88 100
43 571282.8 17.0 25.6#
58 2980.3 47.0 70.4#

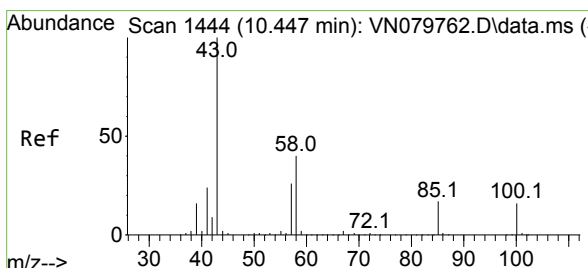
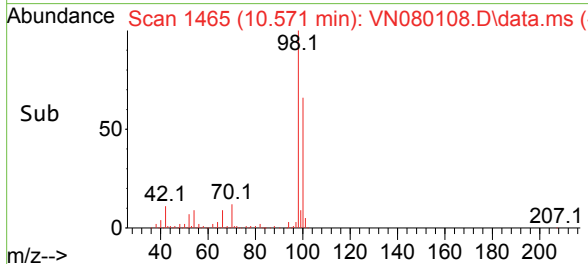
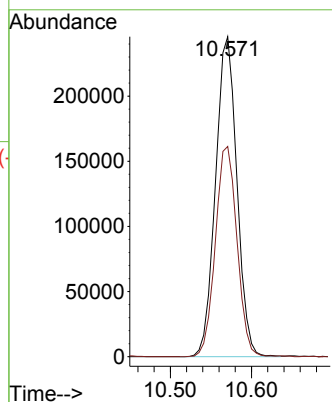
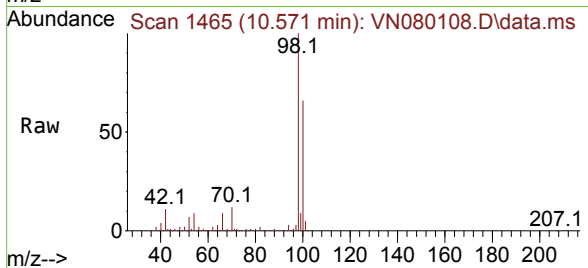




#50
Toluene-d8
Concen: 48.567 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

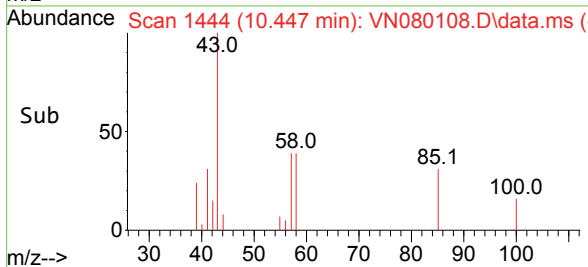
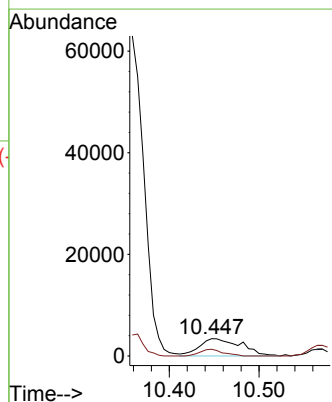
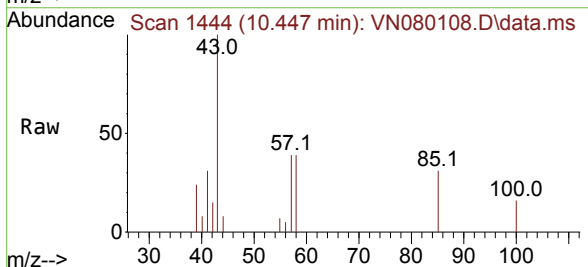
Instrument :
MSVOA_N
ClientSampleId :

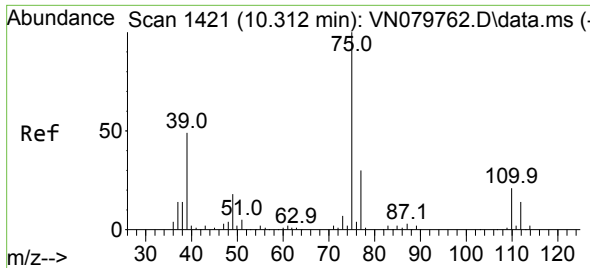
Tgt Ion: 98 Resp: 449602
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.406 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 43 Resp: 11074
Ion Ratio Lower Upper
43 100
58 21.5 36.6 54.8#

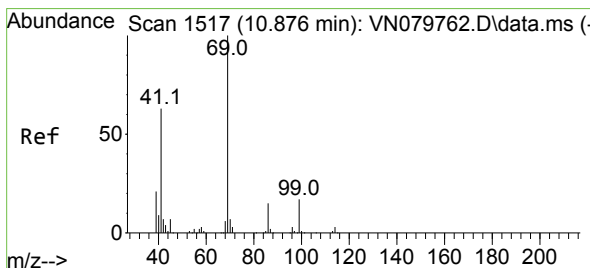
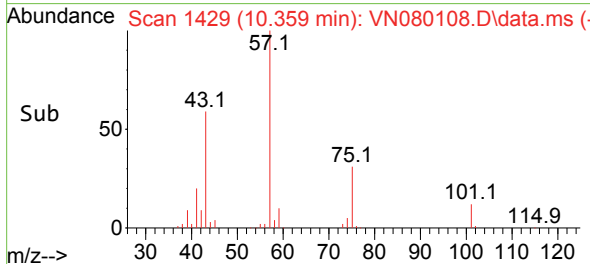
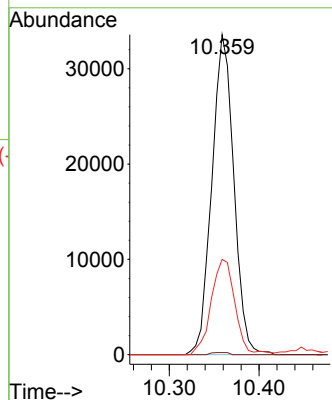
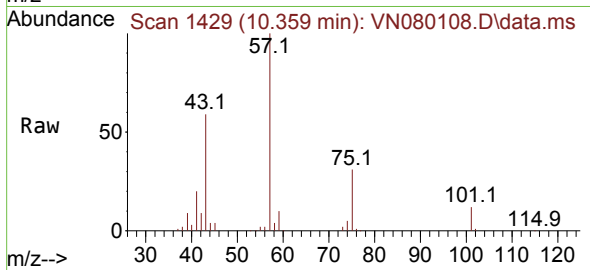




#54
 cis-1,3-Dichloropropene
 Concen: 13.356 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN080108.D
 Acq: 15 Nov 2023 14:19

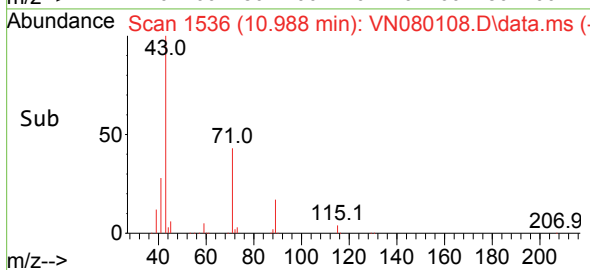
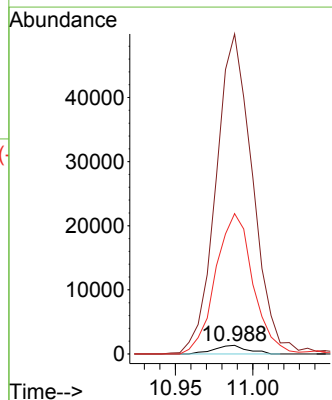
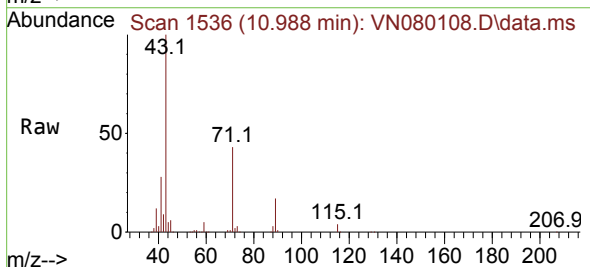
Instrument :
 MSVOA_N
 ClientSampleId :

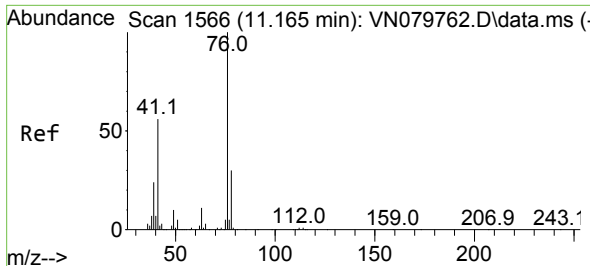
Tgt Ion: 75 Resp: 57114
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 29.8 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.545 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN080108.D
 Acq: 15 Nov 2023 14:19

Tgt Ion: 69 Resp: 1995
 Ion Ratio Lower Upper
 69 100
 41 4141.7 39.6 59.4#
 39 1841.6 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.546 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

Instrument :

MSVOA_N

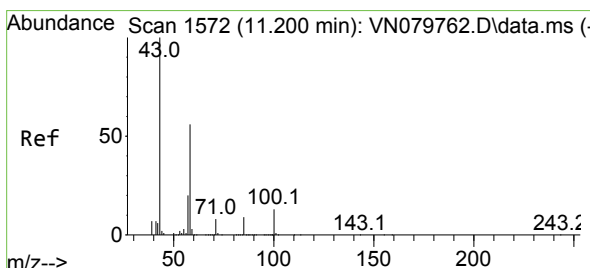
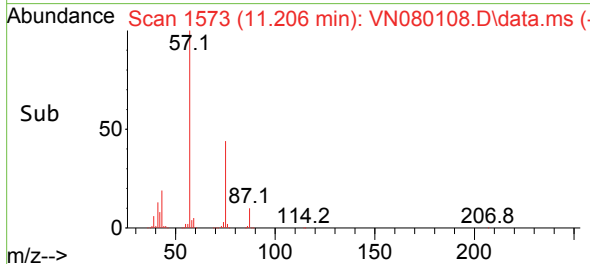
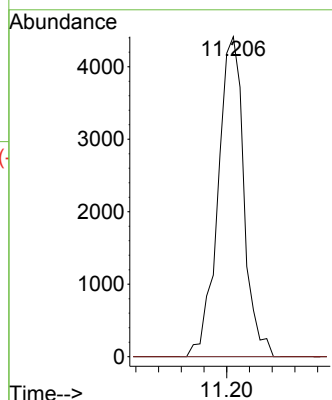
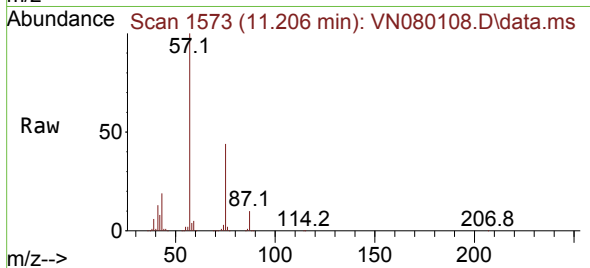
ClientSampleId :

Tgt Ion: 76 Resp: 6986

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 47.223 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN080108.D

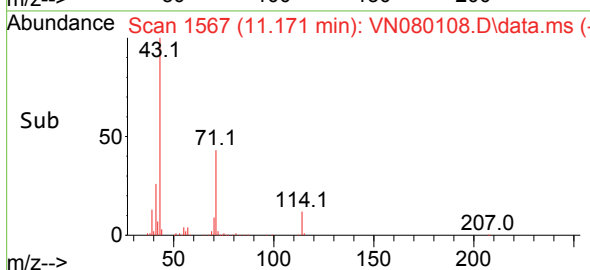
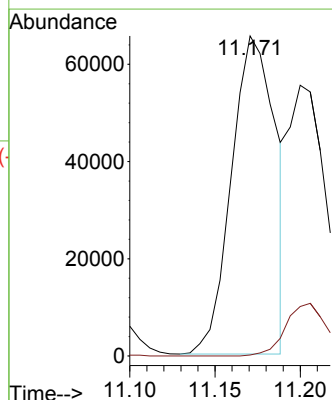
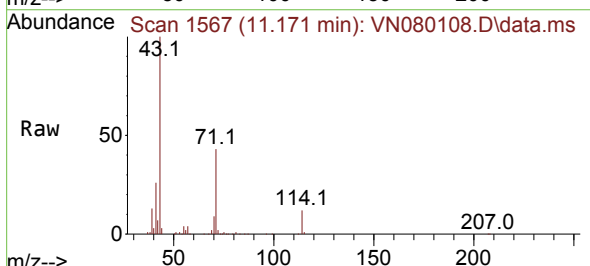
Acq: 15 Nov 2023 14:19

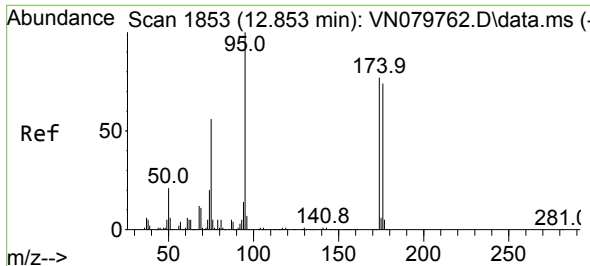
Tgt Ion: 43 Resp: 117450

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

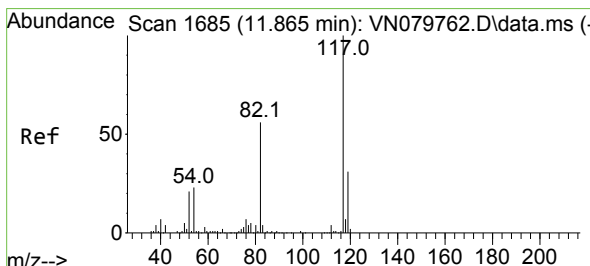
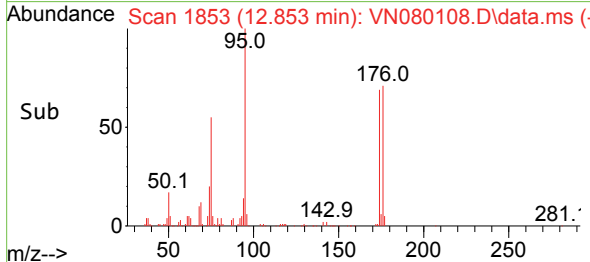
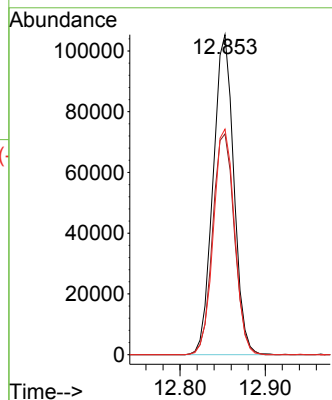
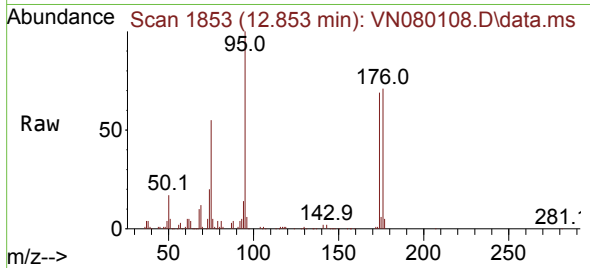




#62
4-Bromofluorobenzene
Concen: 57.947 ug/l
RT: 12.853 min Scan# 117907
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

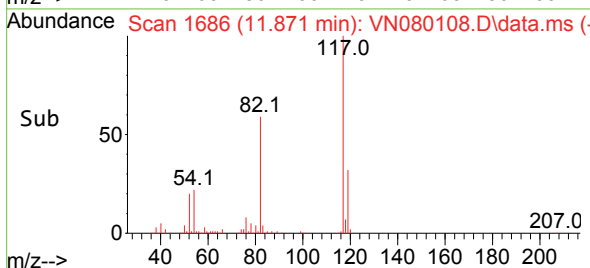
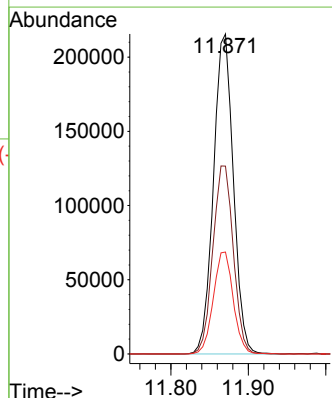
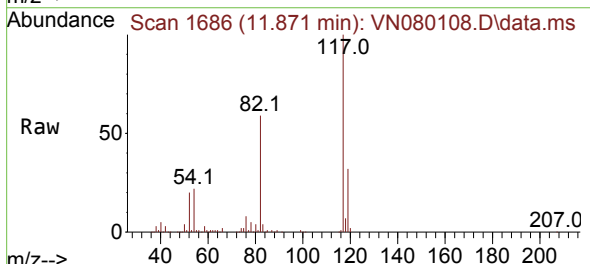
Instrument :
MSVOA_N
ClientSampleId :

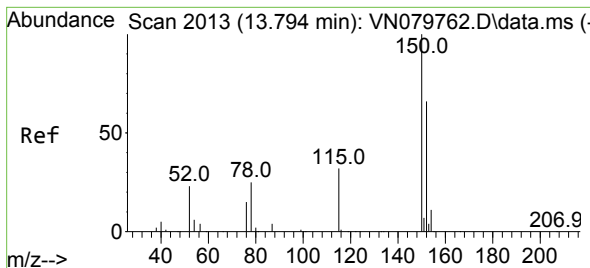
Tgt Ion: 95 Resp: 177907
Ion Ratio Lower Upper
95 100
174 72.6 0.0 143.8
176 72.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 117 Resp: 384604
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 31.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

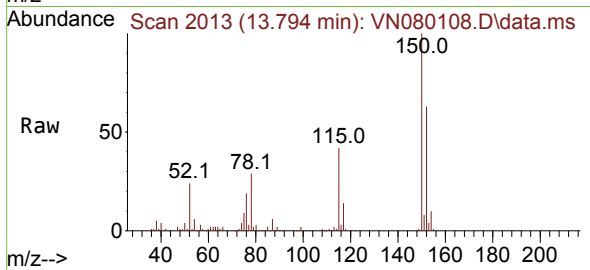
Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

Instrument :

MSVOA_N

ClientSampleId :



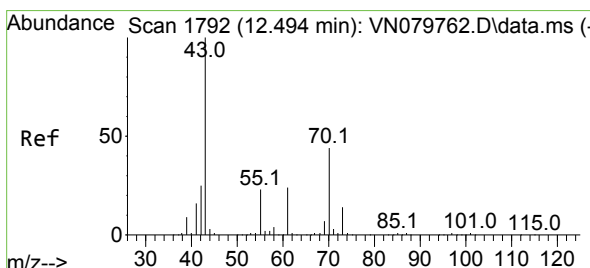
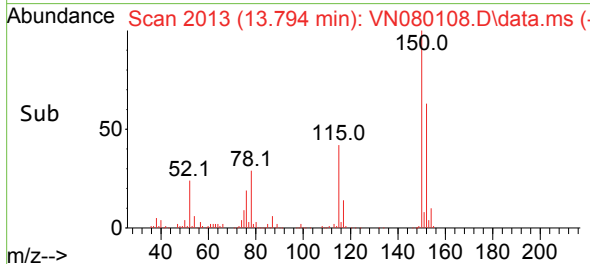
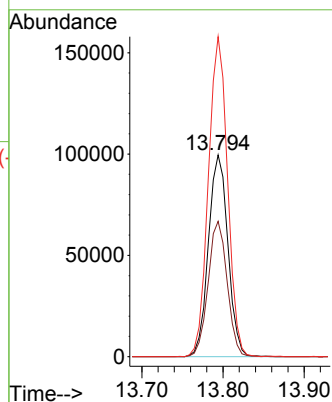
Tgt Ion:152 Resp: 166088

Ion Ratio Lower Upper

152 100

115 65.6 32.3 96.8

150 155.8 0.0 355.8



#74

N-ethyl acetate

Concen: 0.245 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

Tgt Ion: 43 Resp: 1346

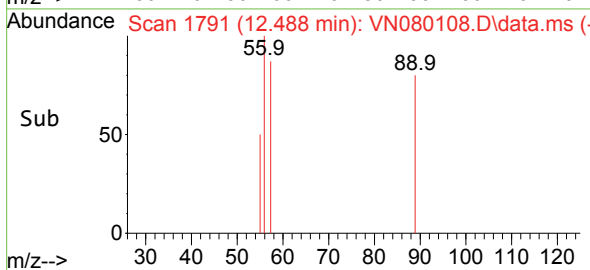
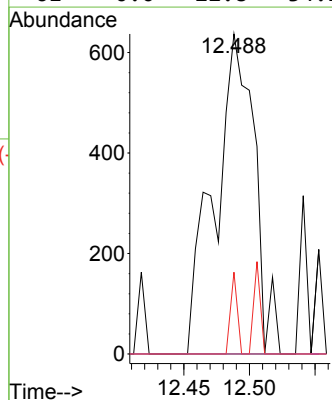
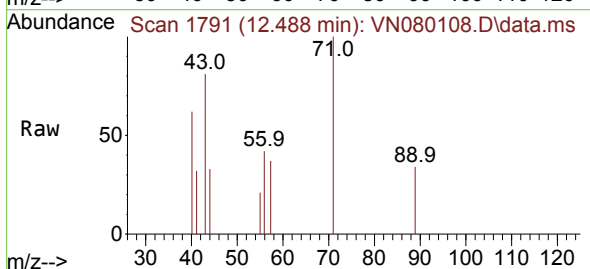
Ion Ratio Lower Upper

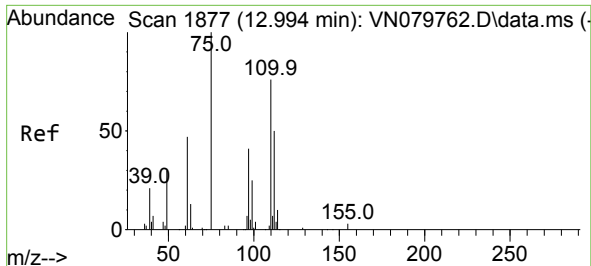
43 100

70 0.0 43.4 65.2#

55 4.3 21.4 32.0#

61 0.0 22.8 34.2#

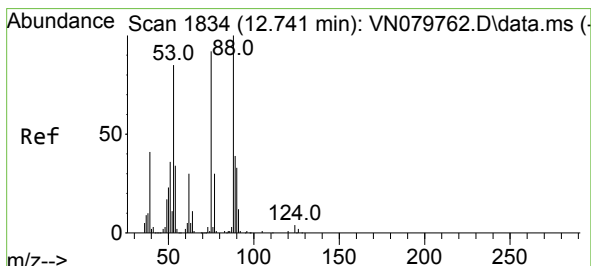
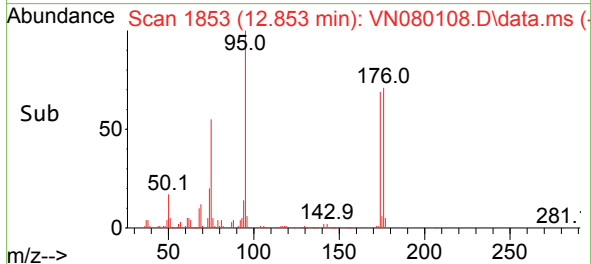
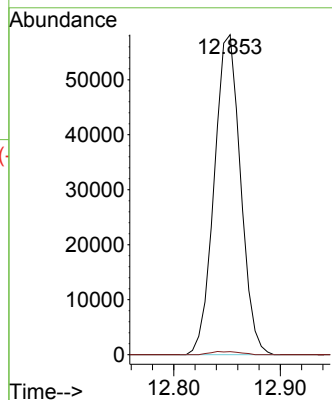
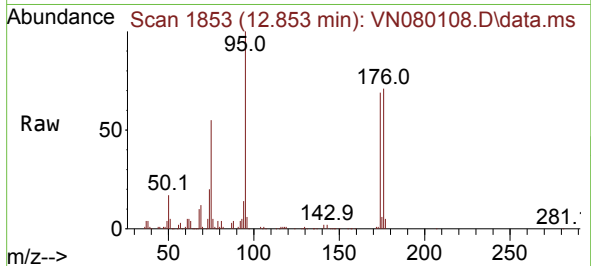




#76
1,2,3-Trichloropropane
Concen: 25.564 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

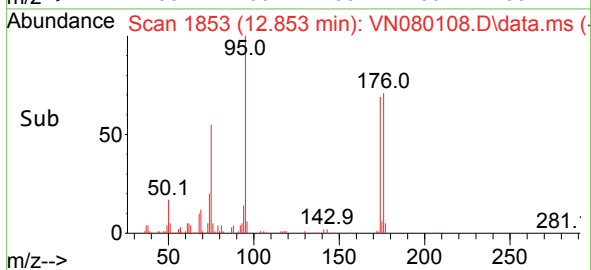
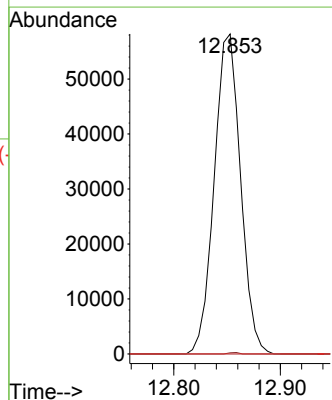
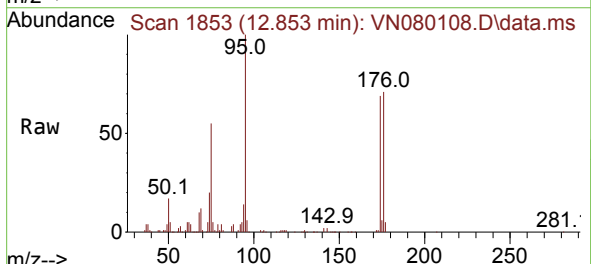
Instrument :
MSVOA_N
ClientSampleId :

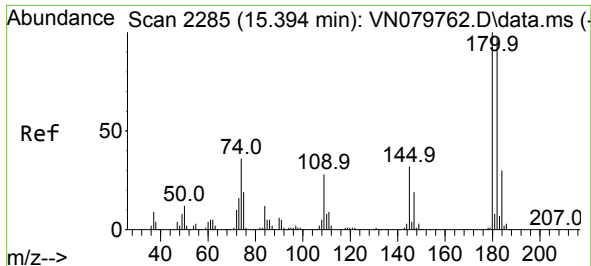
Tgt Ion: 75 Resp: 99680
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.553 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080108.D
Acq: 15 Nov 2023 14:19

Tgt Ion: 75 Resp: 99680
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.012 min

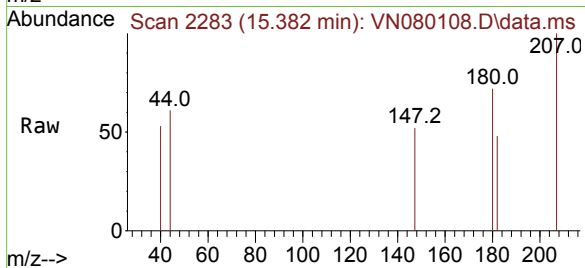
Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

Instrument :

MSVOA_N

ClientSampleId :



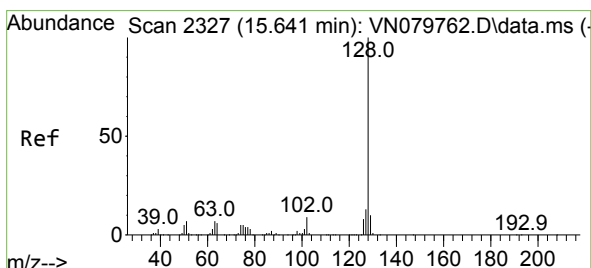
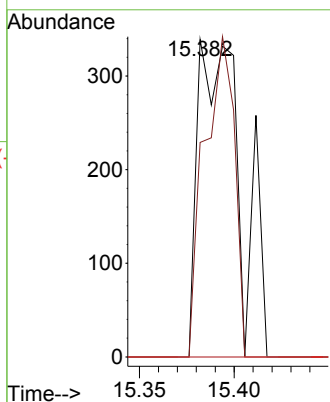
Tgt Ion:180 Resp: 536

Ion Ratio Lower Upper

180 100

182 70.3 46.1 138.2

145 0.0 16.6 49.8#



#95

Naphthalene

Concen: 0.257 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN080108.D

Acq: 15 Nov 2023 14:19

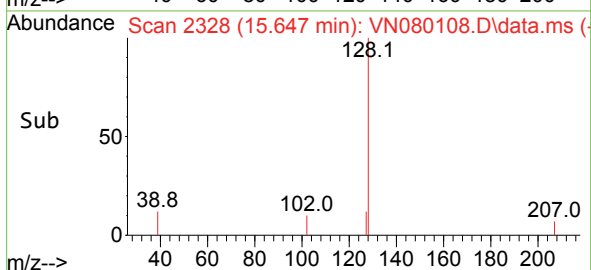
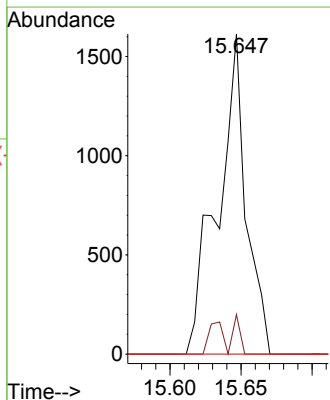
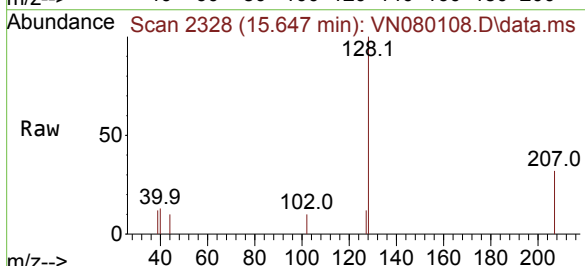
Tgt Ion:128 Resp: 2243

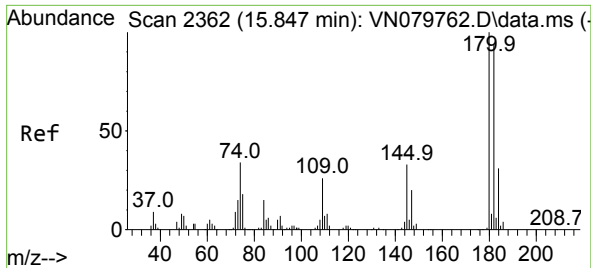
Ion Ratio Lower Upper

128 100

127 4.9 10.0 15.0#

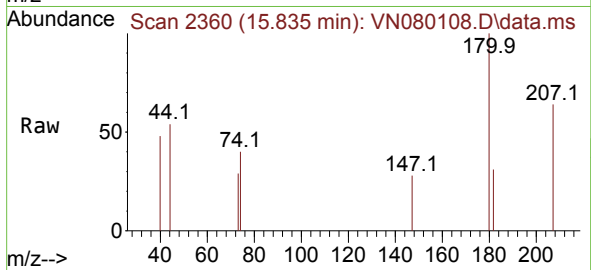
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080108.D
 Acq: 15 Nov 2023 14:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 658
 Ion Ratio Lower Upper
 180 100
 182 58.1 46.2 138.6
 145 0.0 17.5 52.6#

