

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080109.D
 Acq On : 15 Nov 2023 14:42
 Operator : JC\MD
 Sample : 05388-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

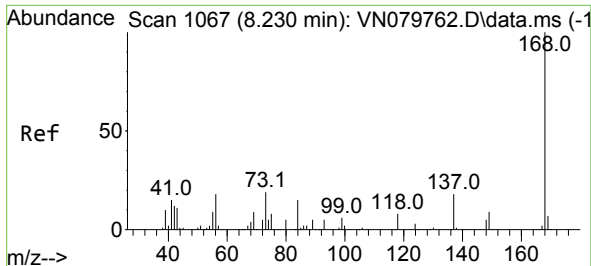
Quant Time: Nov 15 21:52:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	188414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	350107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	383729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	164477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	163546	56.974	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.940%	
35) Dibromofluoromethane	8.165	113	125381	50.599	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.200%	
50) Toluene-d8	10.571	98	461722	50.616	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.853	95	180297	59.595	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.200%	
Target Compounds						Qvalue
3) Chloromethane	2.353	50	509	Below Cal	#	42
11) Tert butyl alcohol	5.536	59	83	0.227	ug/l #	72
16) Acetone	4.436	43	24147	23.948	ug/l #	87
18) Methyl Acetate	5.036	43	1666	0.345	ug/l	99
20) Methylene Chloride	5.271	84	8660	3.404	ug/l #	82
25) 2-Butanone	7.500	43	1841	1.247	ug/l #	37
31) Cyclohexane	8.224	56	4153	1.095	ug/l #	44
36) 1,1-Dichloropropene	8.230	75	15656	4.425	ug/l #	49
37) Ethyl Acetate	7.582	43	2992	0.922	ug/l #	74
38) Carbon Tetrachloride	8.224	117	21929	6.150	ug/l #	14
42) 1,2-Dichloroethane	8.677	62	984	0.266	ug/l #	73
43) Isopropyl Acetate	8.694	43	132218	23.235	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	1780	0.657	ug/l #	45
48) Methyl methacrylate	9.741	41	106158	42.591	ug/l #	29
49) 1,4-Dioxane	9.735	88	253	5.745	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6381	1.992	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	53791	12.765	ug/l #	64
56) Ethyl methacrylate	10.988	69	2252	0.625	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6852	1.538	ug/l #	42
59) 2-Hexanone	11.171	43	113573	46.341	ug/l #	19
71) Bromoform	12.847	173	996	0.468	ug/l #	1
74) N-amyl acetate	12.494	43	1133	0.208	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	100041	25.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100041	70.489	ug/l #	15

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

Quant Time: Nov 15 21:52:46 2023
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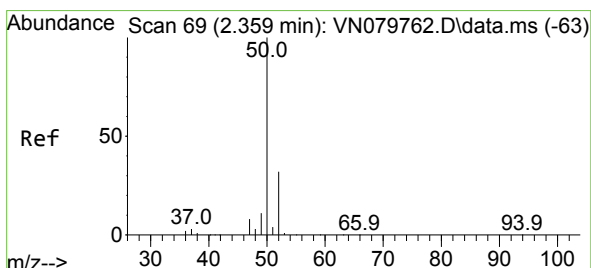
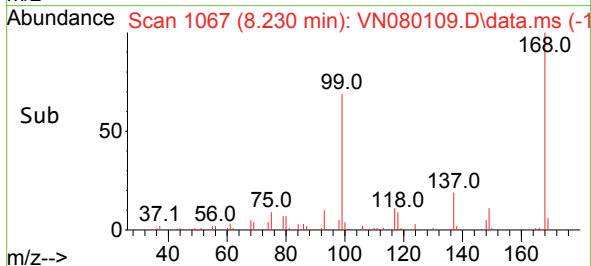
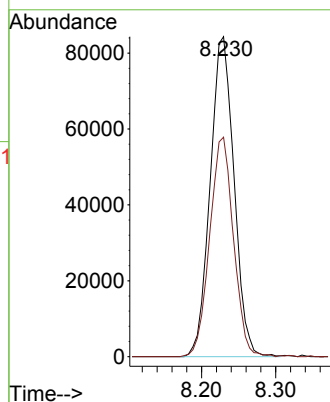
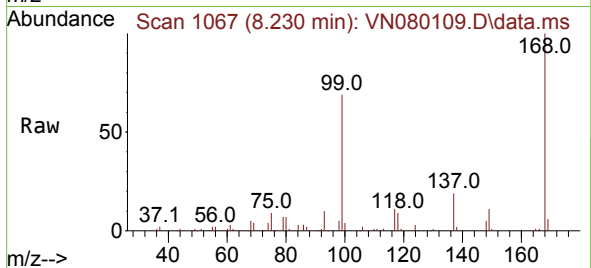




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

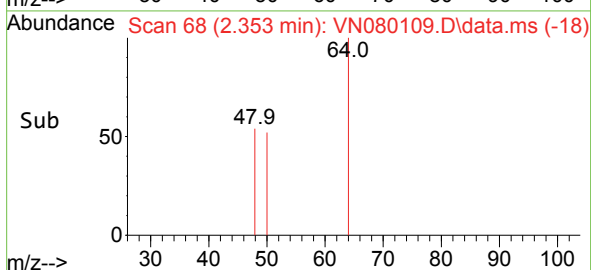
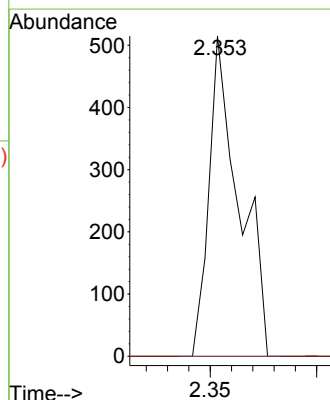
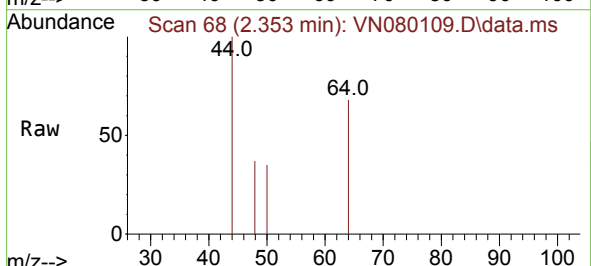
Instrument :
MSVOA_N
ClientSampleId :

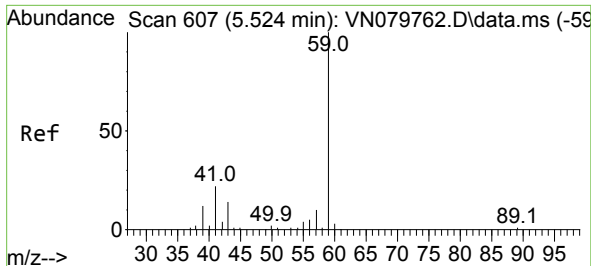
Tgt Ion:168 Resp: 188414
Ion Ratio Lower Upper
168 100
99 68.6 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

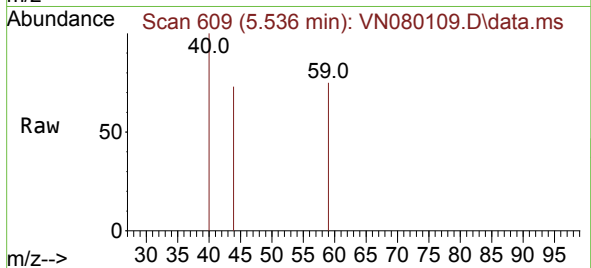
Tgt Ion: 50 Resp: 509
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



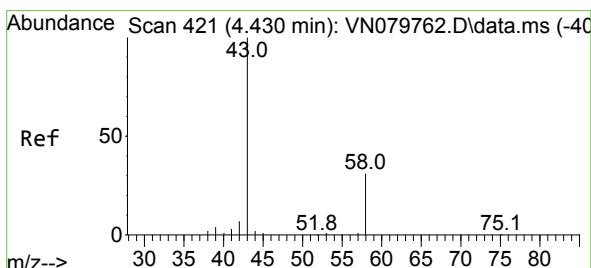
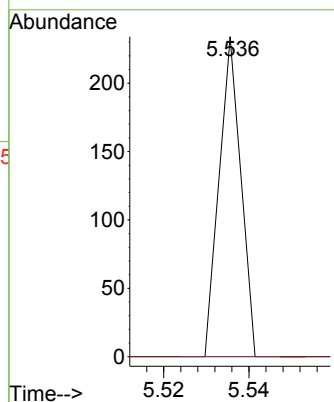
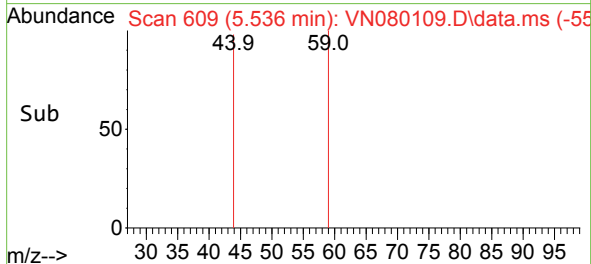


#11
Tert butyl alcohol
Concen: 0.227 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

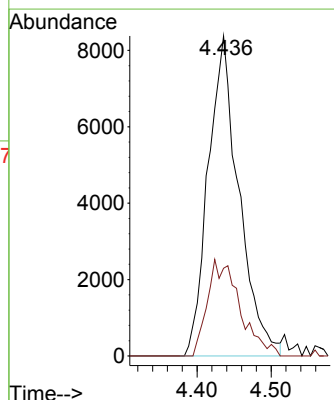
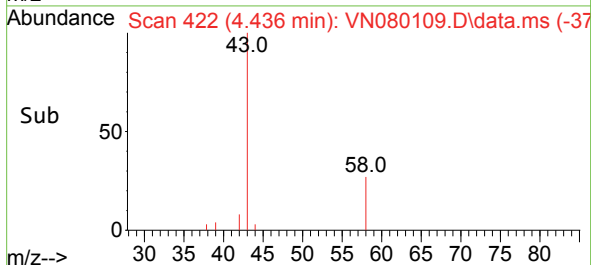
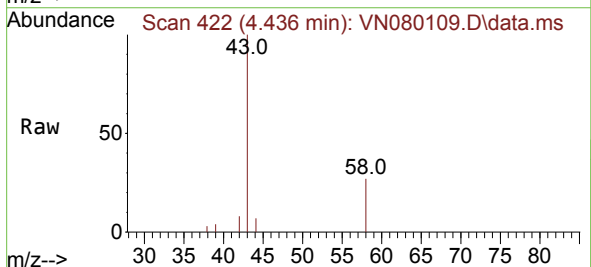


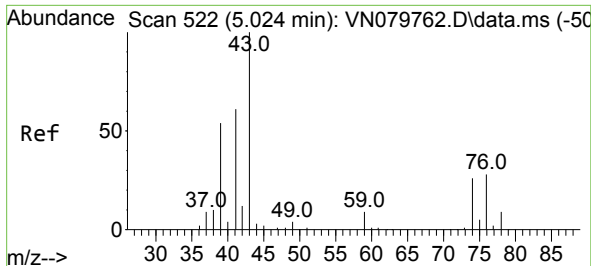
Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 23.948 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Tgt Ion: 43 Resp: 24147
Ion Ratio Lower Upper
43 100
58 27.4 28.0 42.0#





#18

Methyl Acetate

Concen: 0.345 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

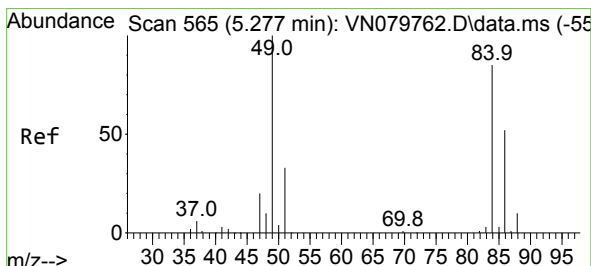
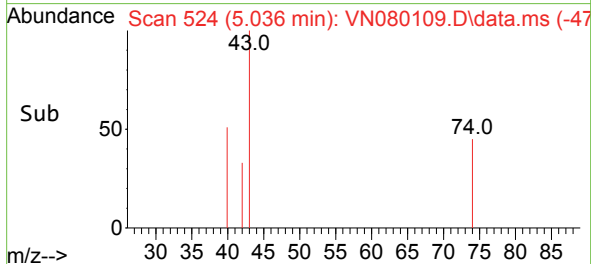
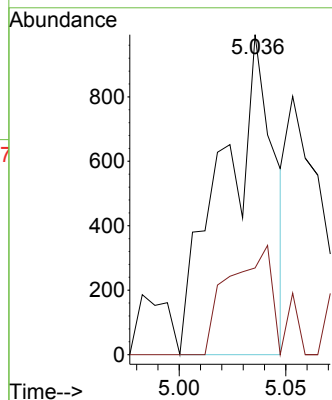
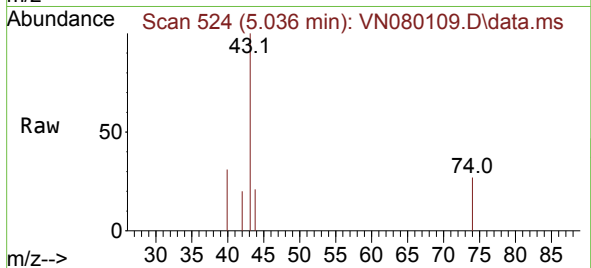
ClientSampleId :

Tgt Ion: 43 Resp: 1666

Ion Ratio Lower Upper

43 100

74 32.1 26.2 39.4



#20

Methylene Chloride

Concen: 3.404 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Tgt Ion: 84 Resp: 8660

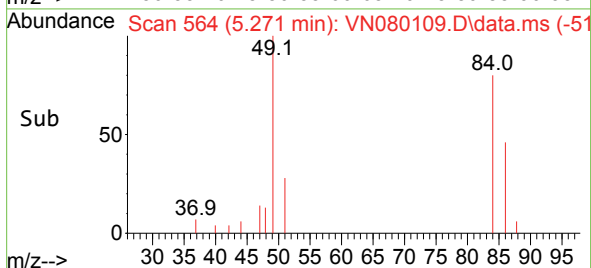
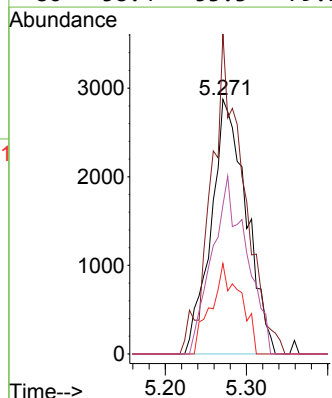
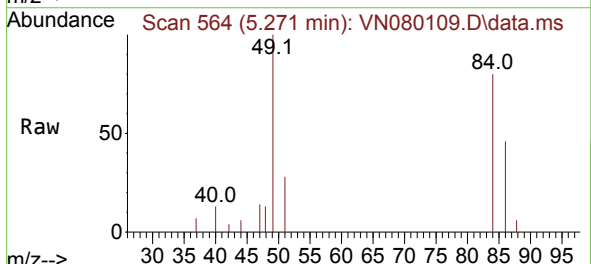
Ion Ratio Lower Upper

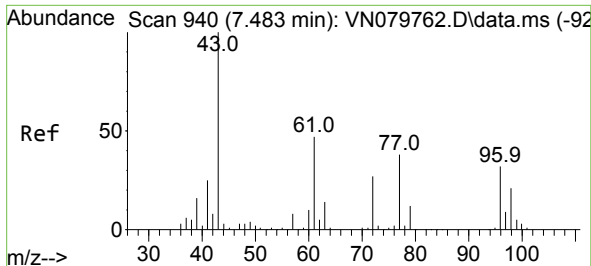
84 100

49 125.7 79.7 119.5#

51 35.5 25.2 37.8

86 58.4 53.3 79.9

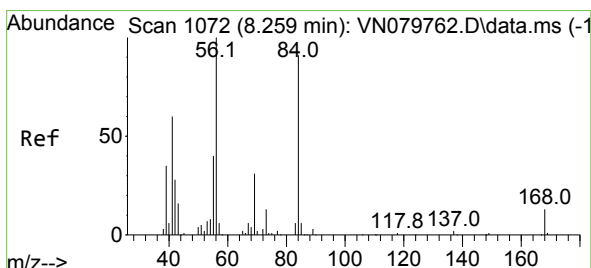
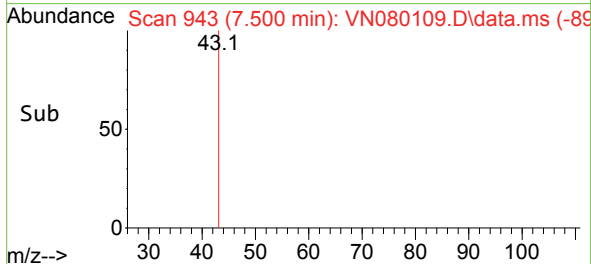
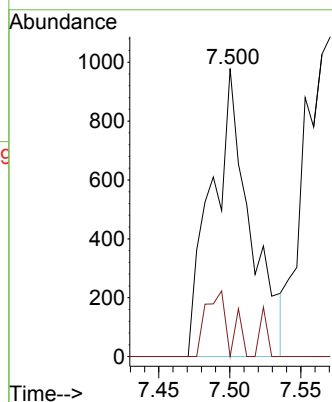
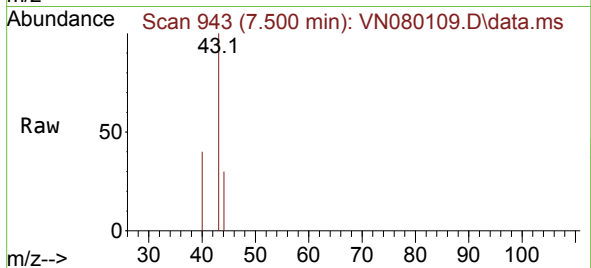




#25
2-Butanone
Concen: 1.247 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

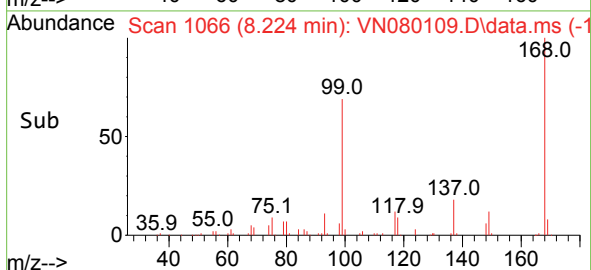
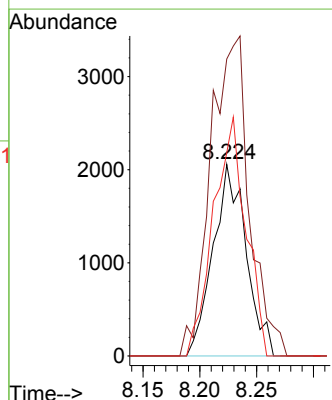
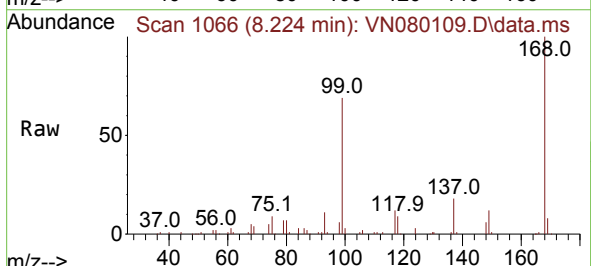
Instrument :
MSVOA_N
ClientSampleId :

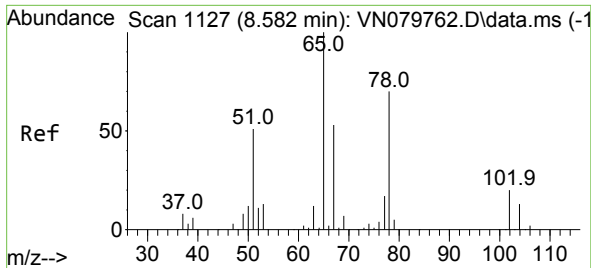
Tgt Ion: 43 Resp: 1841
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Tgt Ion: 56 Resp: 4153
Ion Ratio Lower Upper
56 100
69 155.0 26.8 40.2#
84 106.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 56.974 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

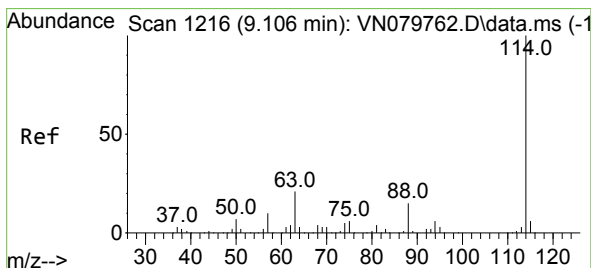
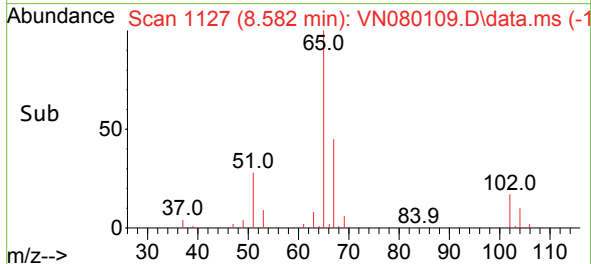
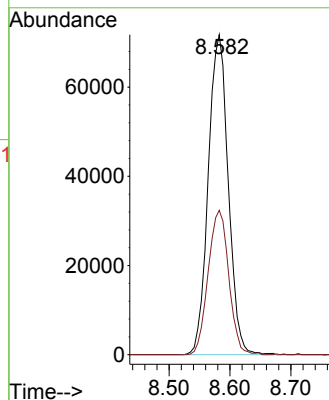
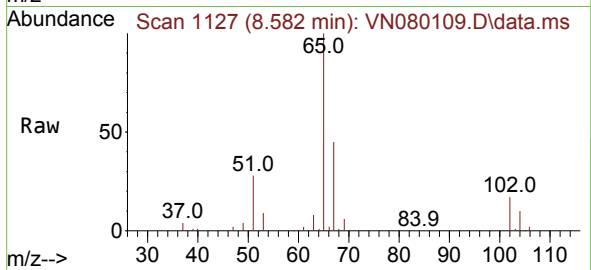
ClientSampleId :

Tgt Ion: 65 Resp: 163546

Ion Ratio Lower Upper

65 100

67 46.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

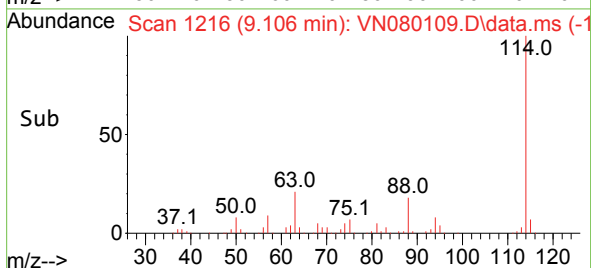
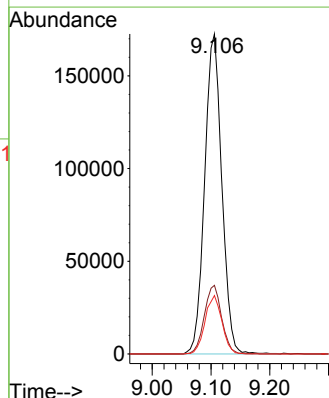
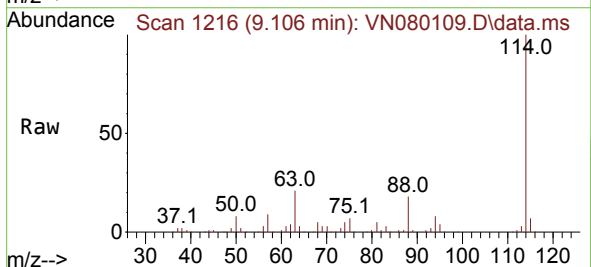
Tgt Ion: 114 Resp: 350107

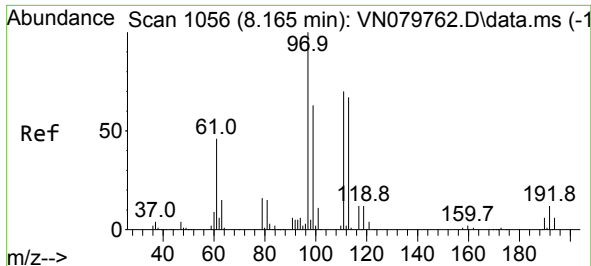
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 18.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.599 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

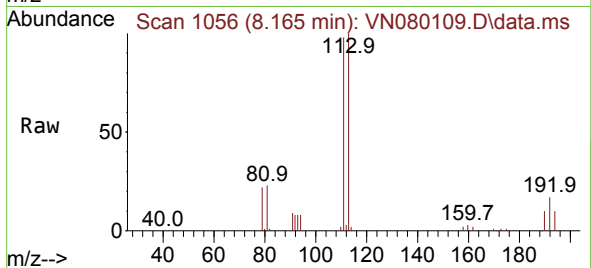
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Acq: 15 Nov 2023 14:42

Instrument :

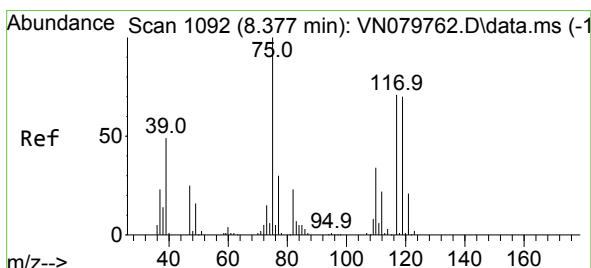
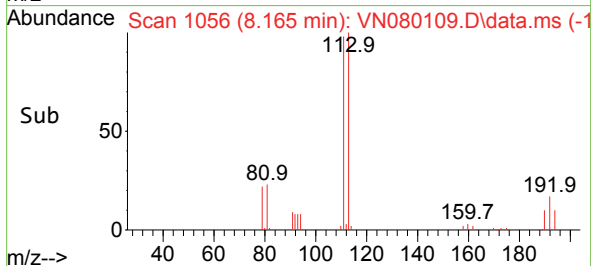
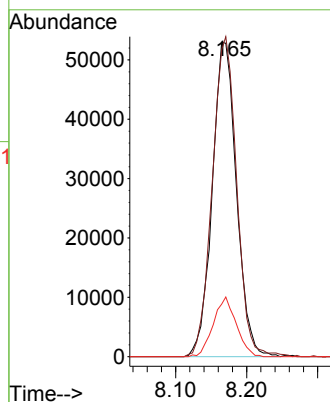
MSVOA_N

ClientSampleId :



Tgt Ion:113 Resp: 125381

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	123.8
192	18.0	12.7	19.1



#36

1,1-Dichloropropene

Concen: 4.425 ug/l

RT: 8.230 min Scan# 1067

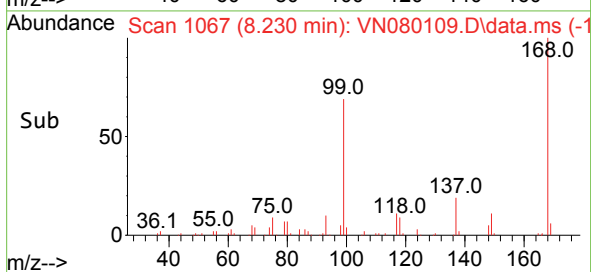
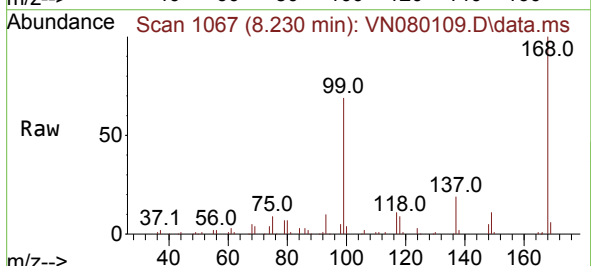
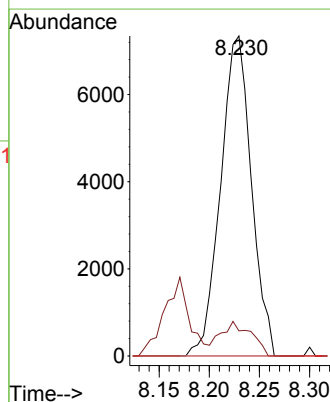
Delta R.T. -0.147 min

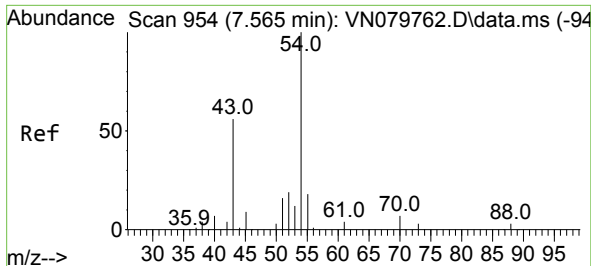
Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Tgt Ion: 75 Resp: 15656

Ion	Ratio	Lower	Upper
75	100		
110	10.6	19.1	57.3#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 0.922 ug/l

RT: 7.582 min Scan# 91

Delta R.T. 0.018 min

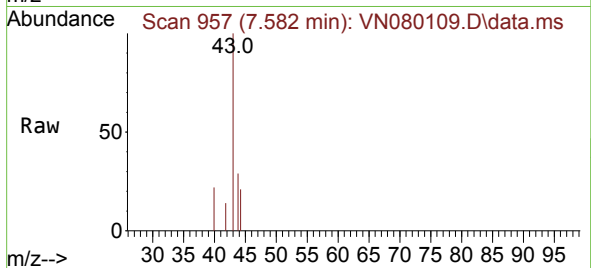
Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

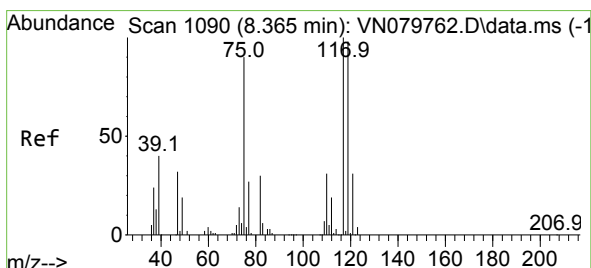
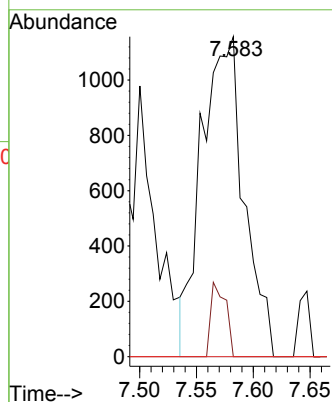
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2992
Ion Ratio	Lower	Upper	
43	100		
61	8.1	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 6.150 ug/l

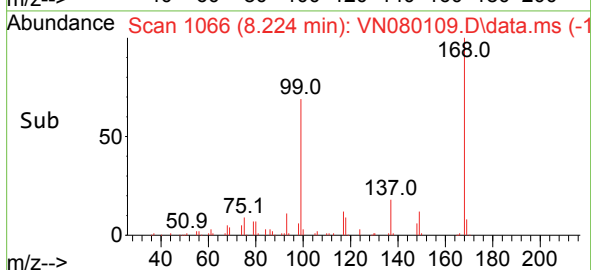
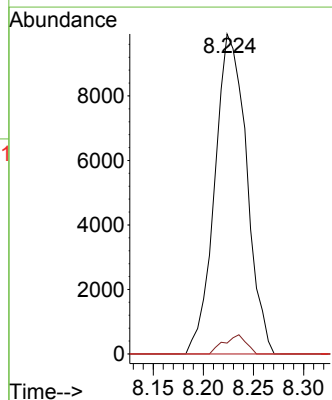
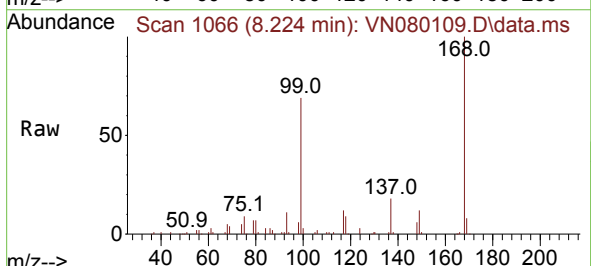
RT: 8.224 min Scan# 1066

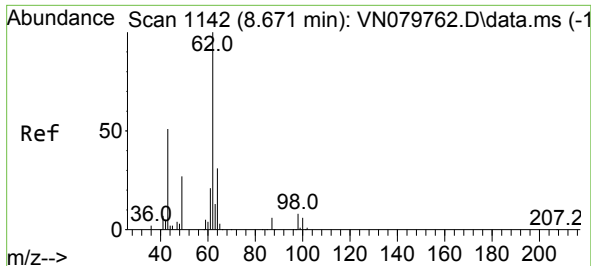
Delta R.T. -0.135 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Tgt Ion:	117	Resp:	21929
Ion Ratio	Lower	Upper	
117	100		
119	3.4	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

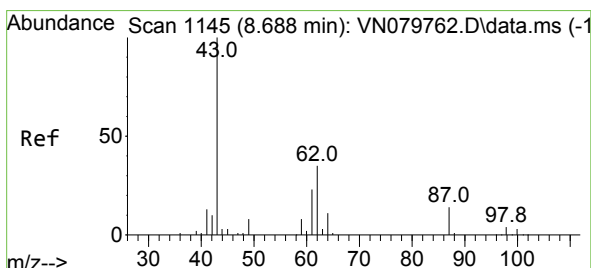
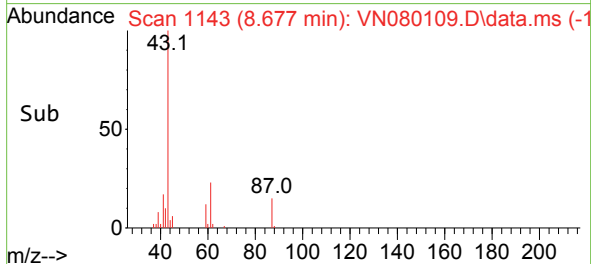
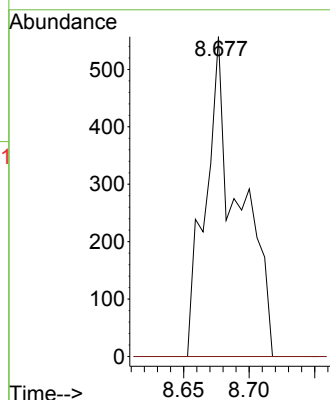
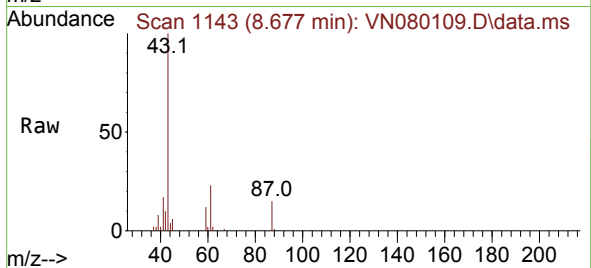
ClientSampleId :

Tgt Ion: 62 Resp: 984

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.235 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

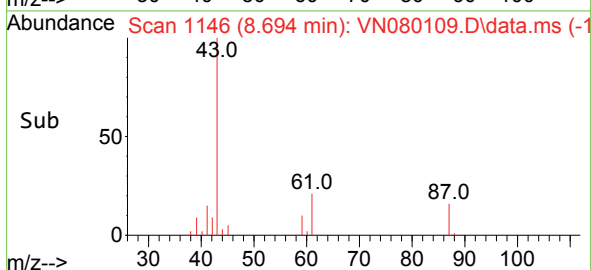
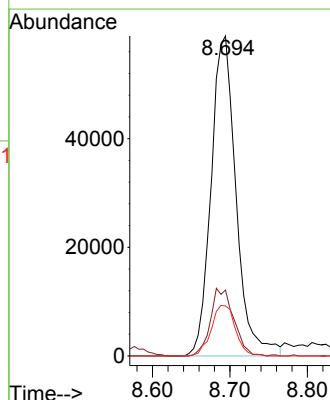
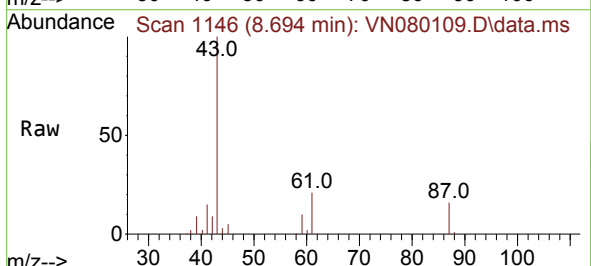
Tgt Ion: 43 Resp: 132218

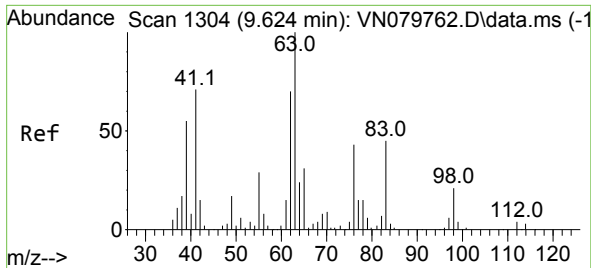
Ion Ratio Lower Upper

43 100

61 19.7 24.7 37.1#

87 15.2 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.657 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

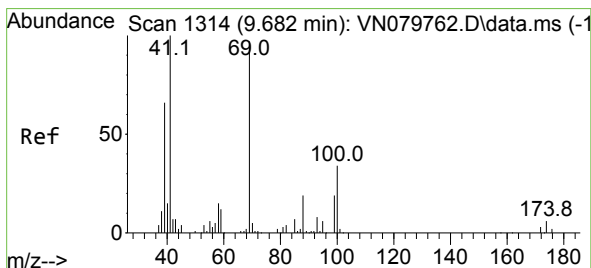
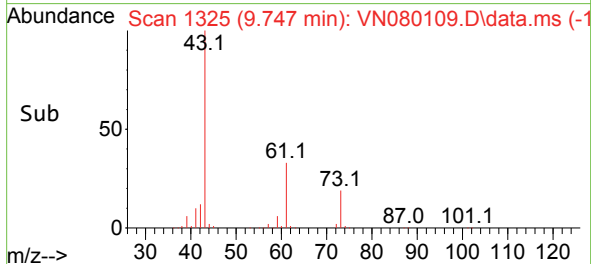
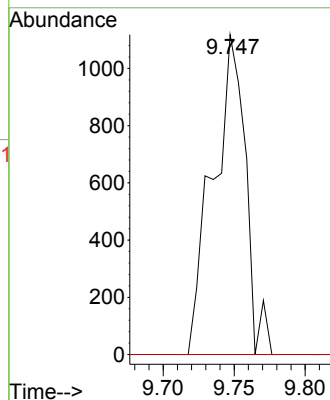
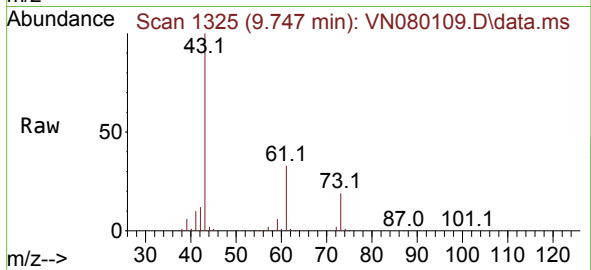
ClientSampleId :

Tgt Ion: 63 Resp: 1780

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 42.591 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

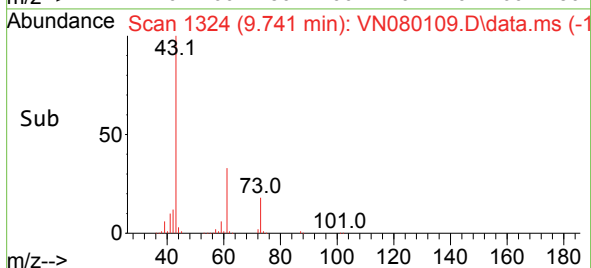
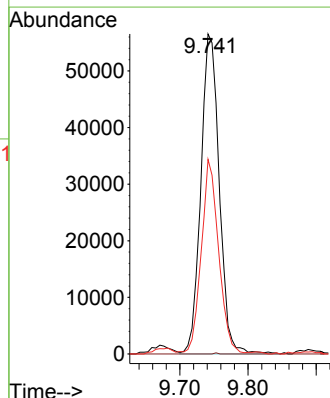
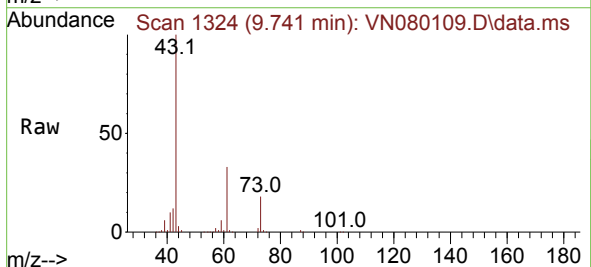
Tgt Ion: 41 Resp: 106158

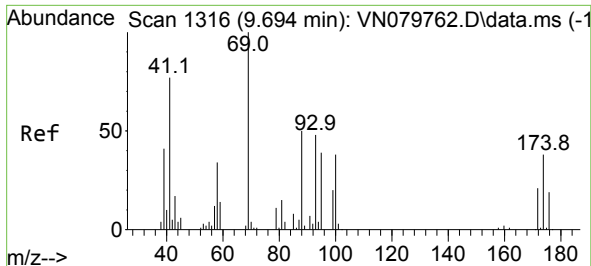
Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 56.5 54.6 81.8





#49

1,4-Dioxane

Concen: 5.745 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

ClientSampleId :

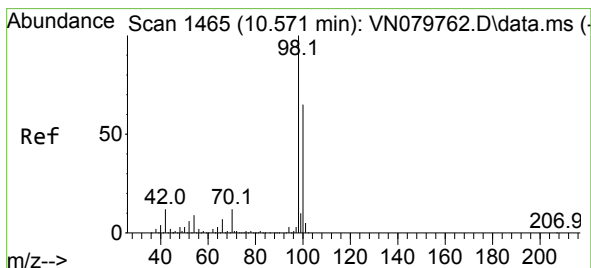
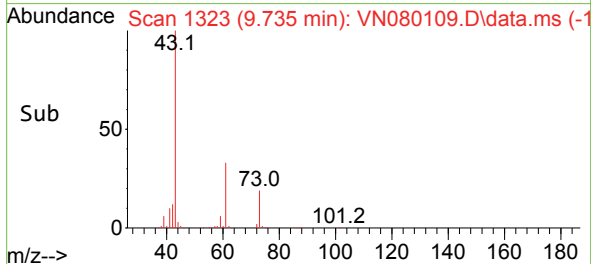
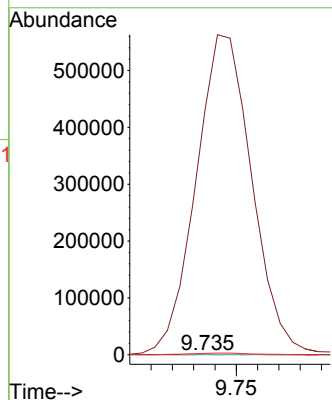
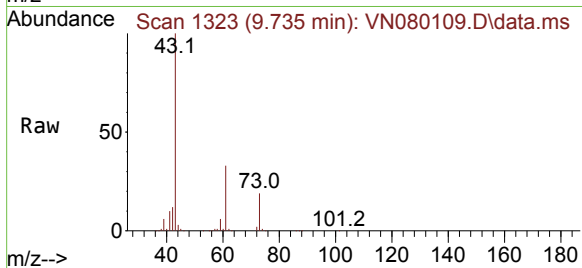
Tgt Ion: 88 Resp: 253

Ion Ratio Lower Upper

88 100

43 408381.0 17.0 25.6#

58 2202.4 47.0 70.4#



#50

Toluene-d8

Concen: 50.616 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080109.D

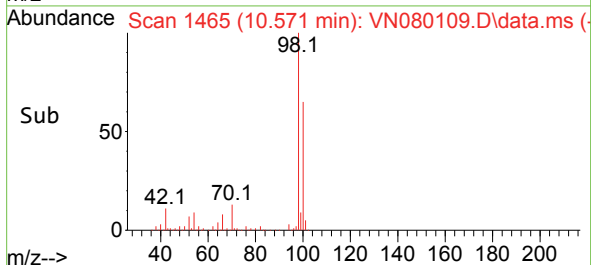
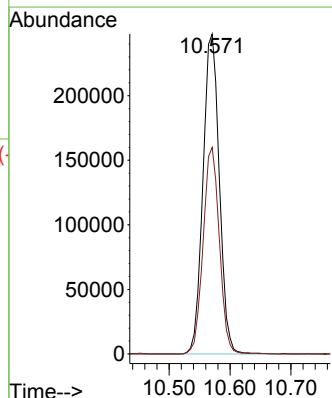
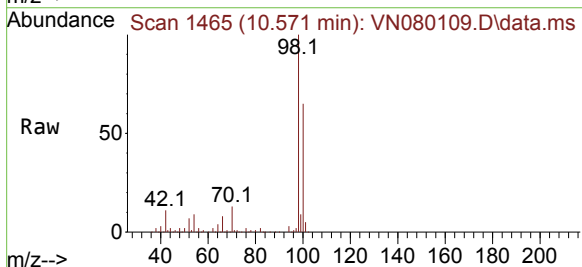
Acq: 15 Nov 2023 14:42

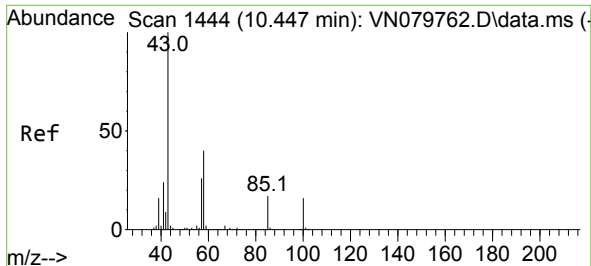
Tgt Ion: 98 Resp: 461722

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

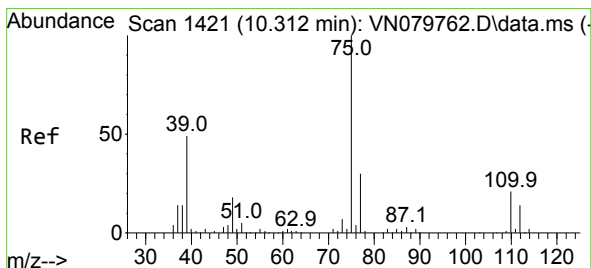
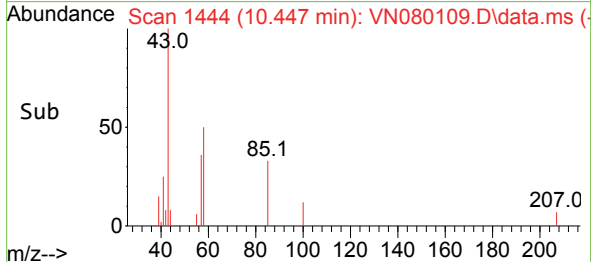
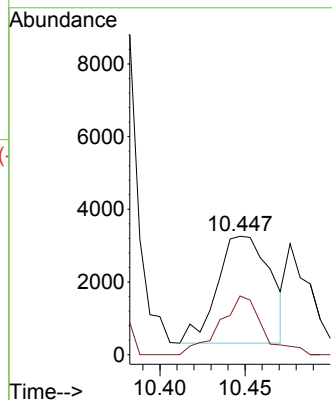
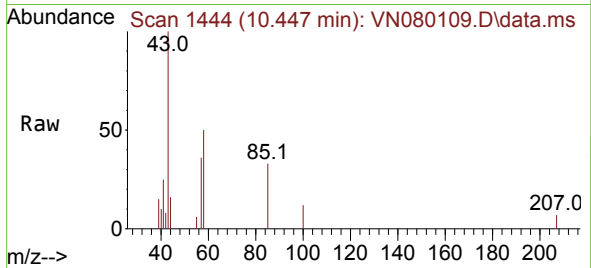




#51
4-Methyl-2-Pentanone
Concen: 1.992 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

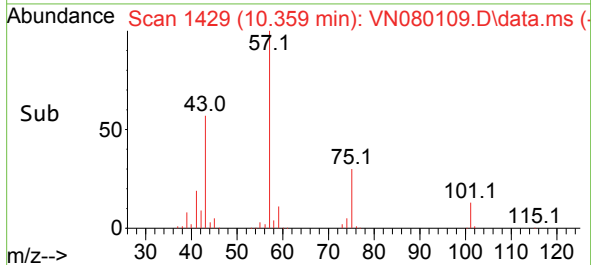
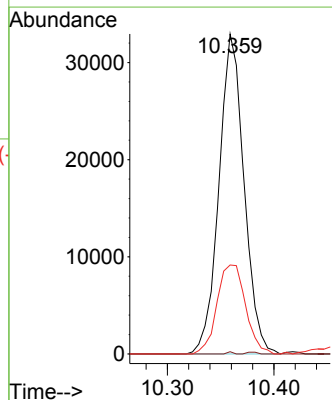
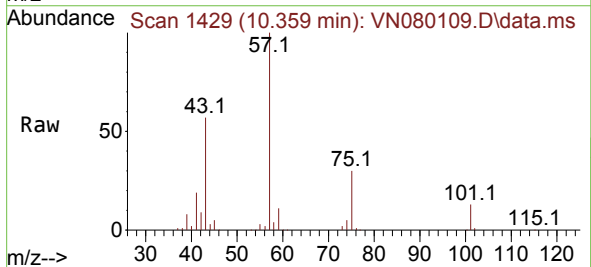
Instrument :
MSVOA_N
ClientSampleId :

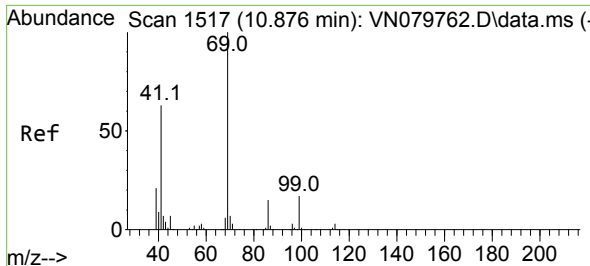
Tgt Ion: 43 Resp: 6381
Ion Ratio Lower Upper
43 100
58 44.2 36.6 54.8



#54
cis-1,3-Dichloropropene
Concen: 12.765 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Tgt Ion: 75 Resp: 53791
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 27.8 31.6 47.4#

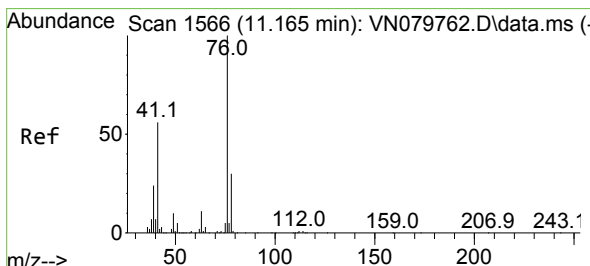
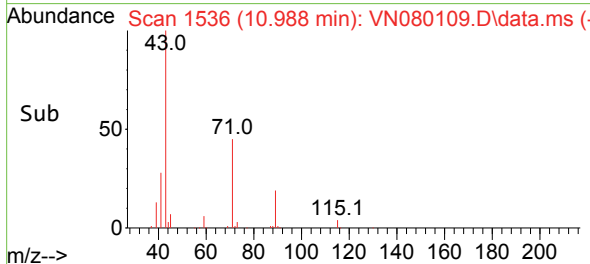
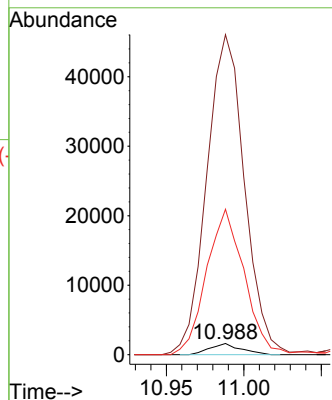
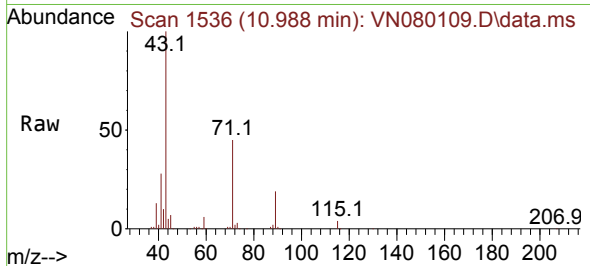




#56
Ethyl methacrylate
Concen: 0.625 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

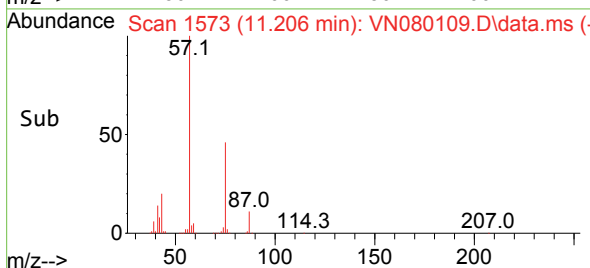
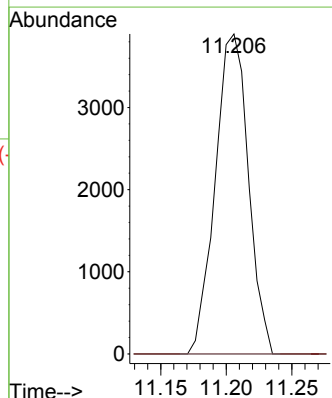
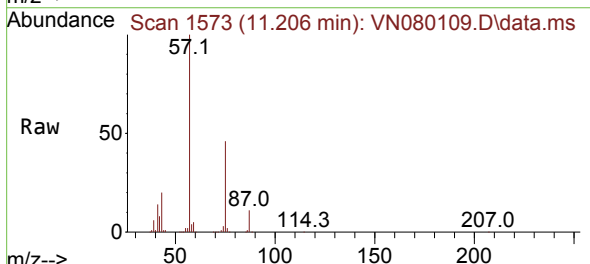
Instrument :
MSVOA_N
ClientSampleId :

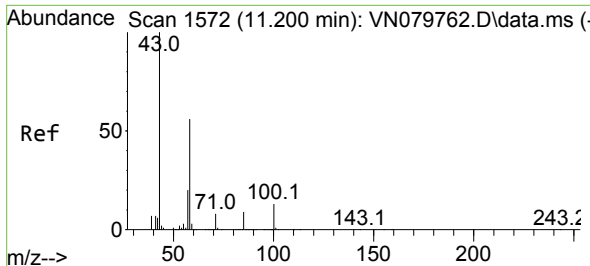
Tgt Ion: 69 Resp: 2252
Ion Ratio Lower Upper
69 100
41 3475.0 39.6 59.4#
39 1592.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.538 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Tgt Ion: 76 Resp: 6852
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

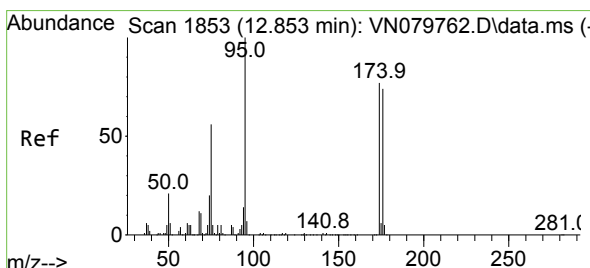
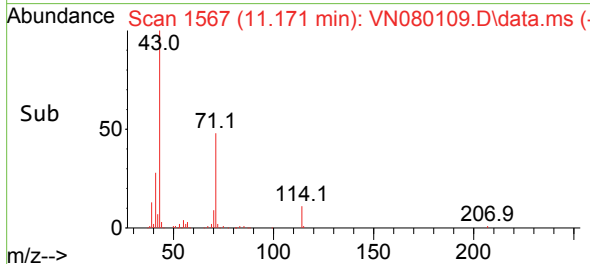
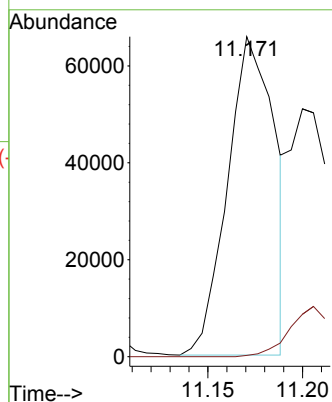
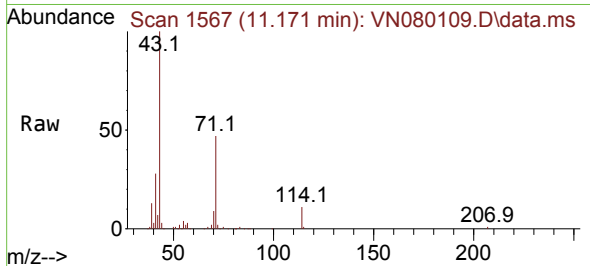




#59
2-Hexanone
Concen: 46.341 ug/l
RT: 11.171 min Scan# 11567
Delta R.T. -0.029 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

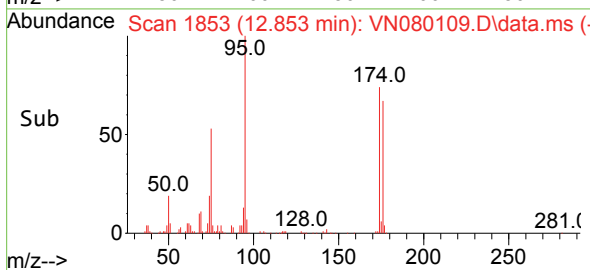
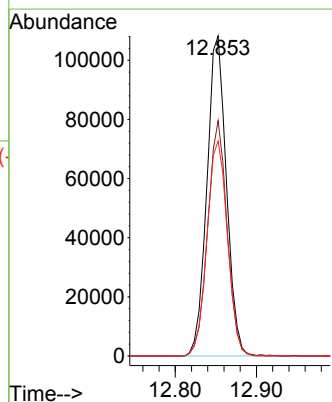
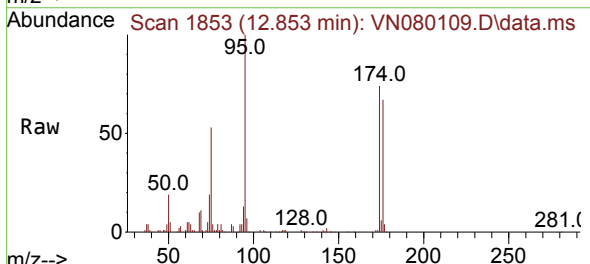
Instrument :
MSVOA_N
ClientSampleId :

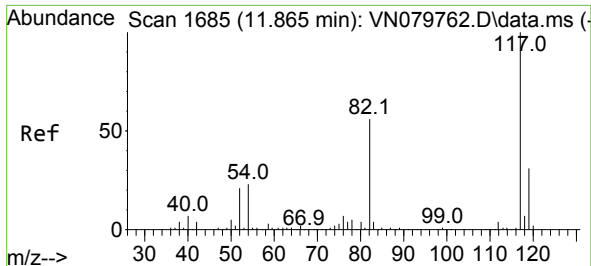
Tgt Ion: 43 Resp: 113573
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 59.595 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Tgt Ion: 95 Resp: 180297
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 70.4 0.0 135.8

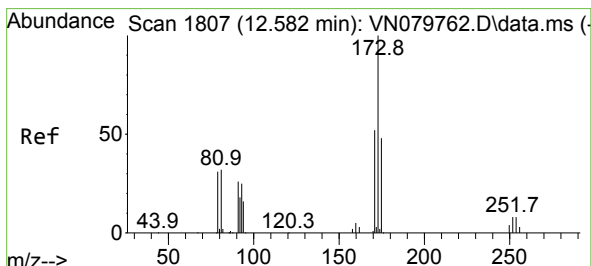
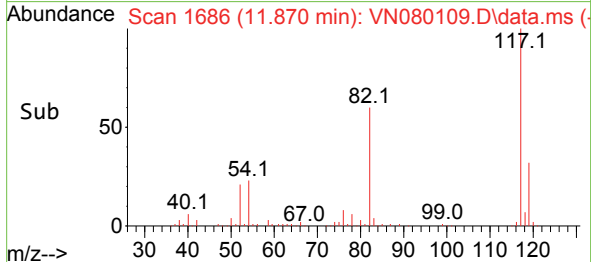
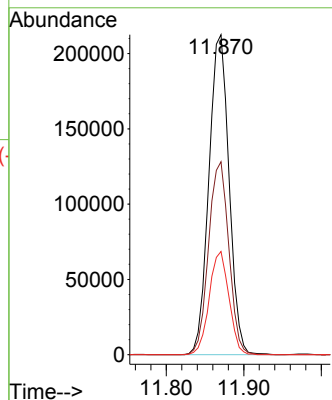
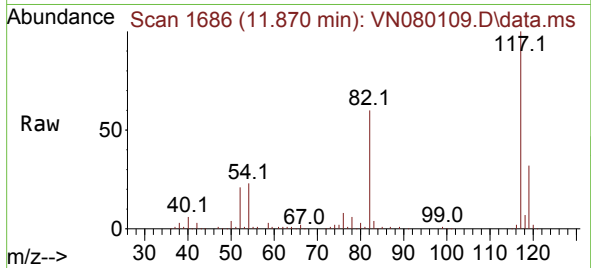




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

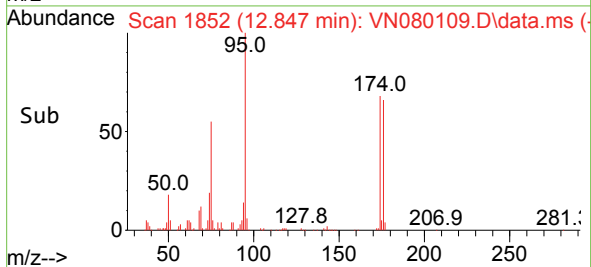
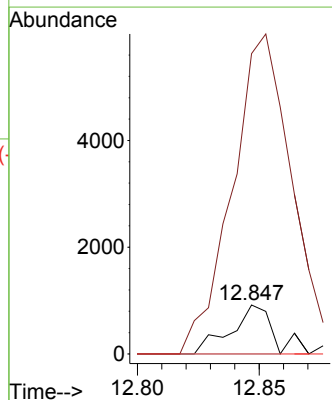
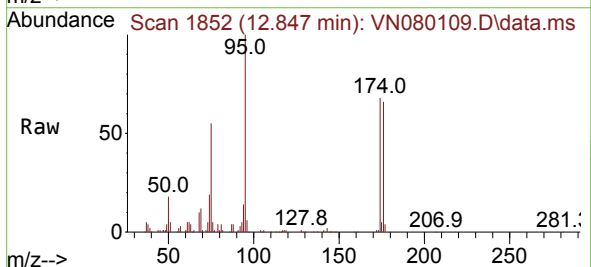
Instrument :
MSVOA_N
ClientSampleId :

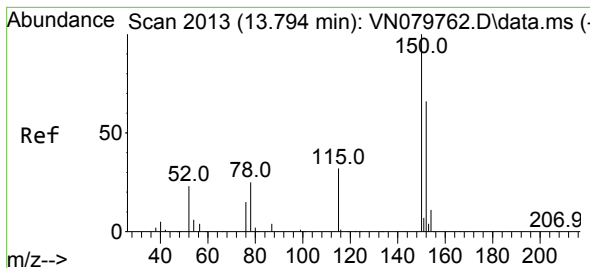
Tgt Ion:117 Resp: 383729
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.468 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080109.D
Acq: 15 Nov 2023 14:42

Tgt Ion:173 Resp: 996
Ion Ratio Lower Upper
173 100
175 834.3 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# 20

Delta R.T. 0.000 min

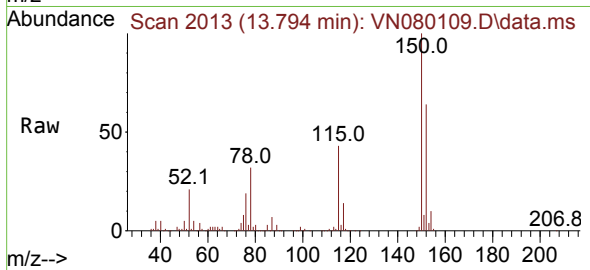
Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

ClientSampleId :



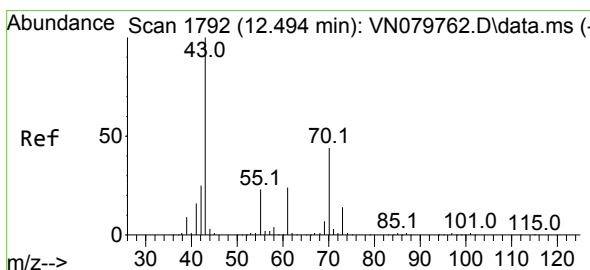
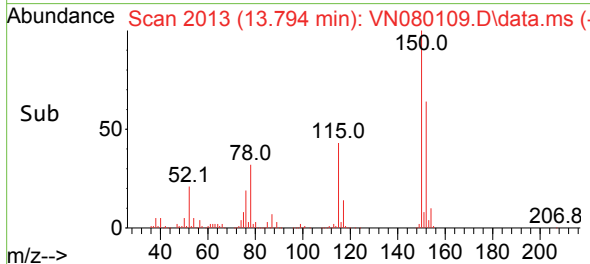
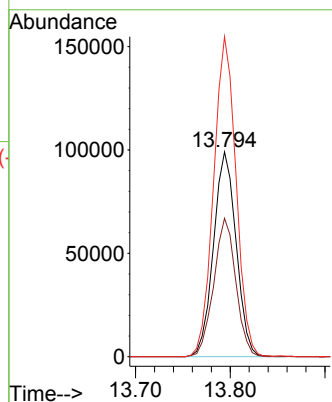
Tgt Ion:152 Resp: 164477

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 154.8 0.0 355.8



#74

N-ethyl acetate

Concen: 0.208 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Tgt Ion: 43 Resp: 1133

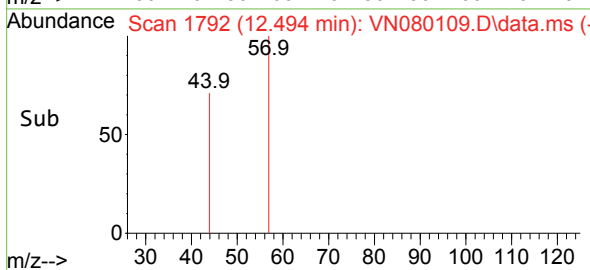
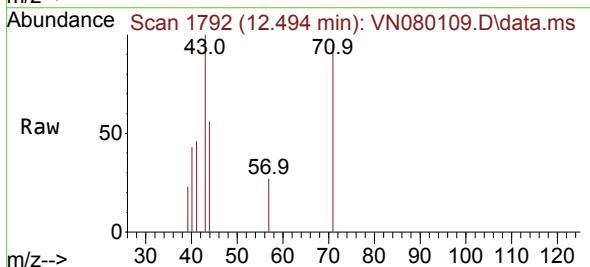
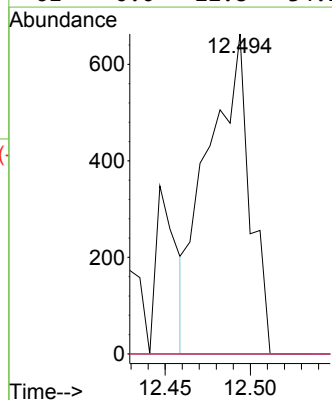
Ion Ratio Lower Upper

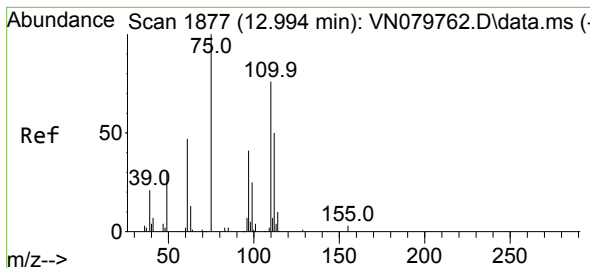
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 25.908 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Instrument :

MSVOA_N

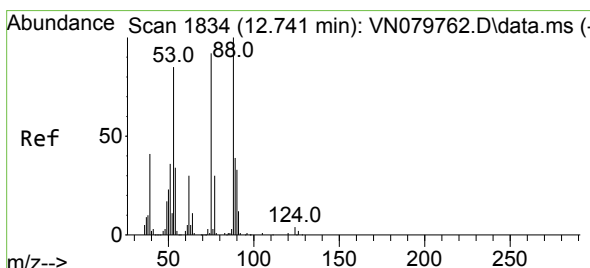
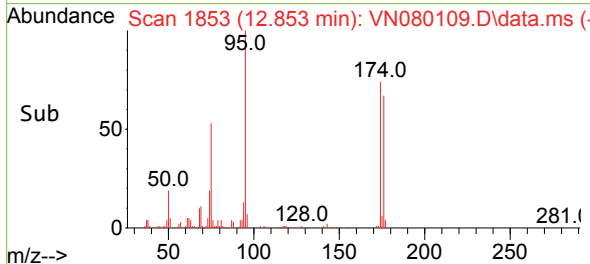
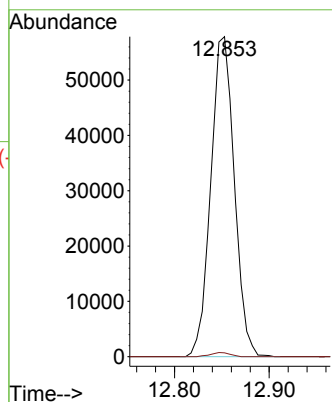
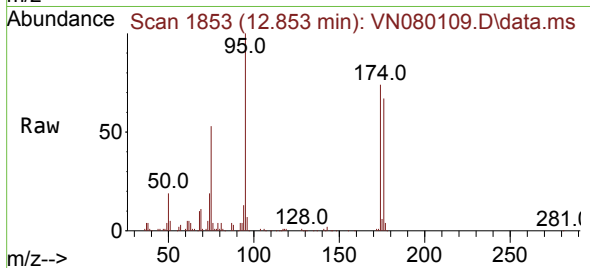
ClientSampleId :

Tgt Ion: 75 Resp: 100041

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.489 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080109.D

Acq: 15 Nov 2023 14:42

Tgt Ion: 75 Resp: 100041

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

