

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080161.D
 Acq On : 17 Nov 2023 14:29
 Operator : JC\MD
 Sample : 05445-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 02:30:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

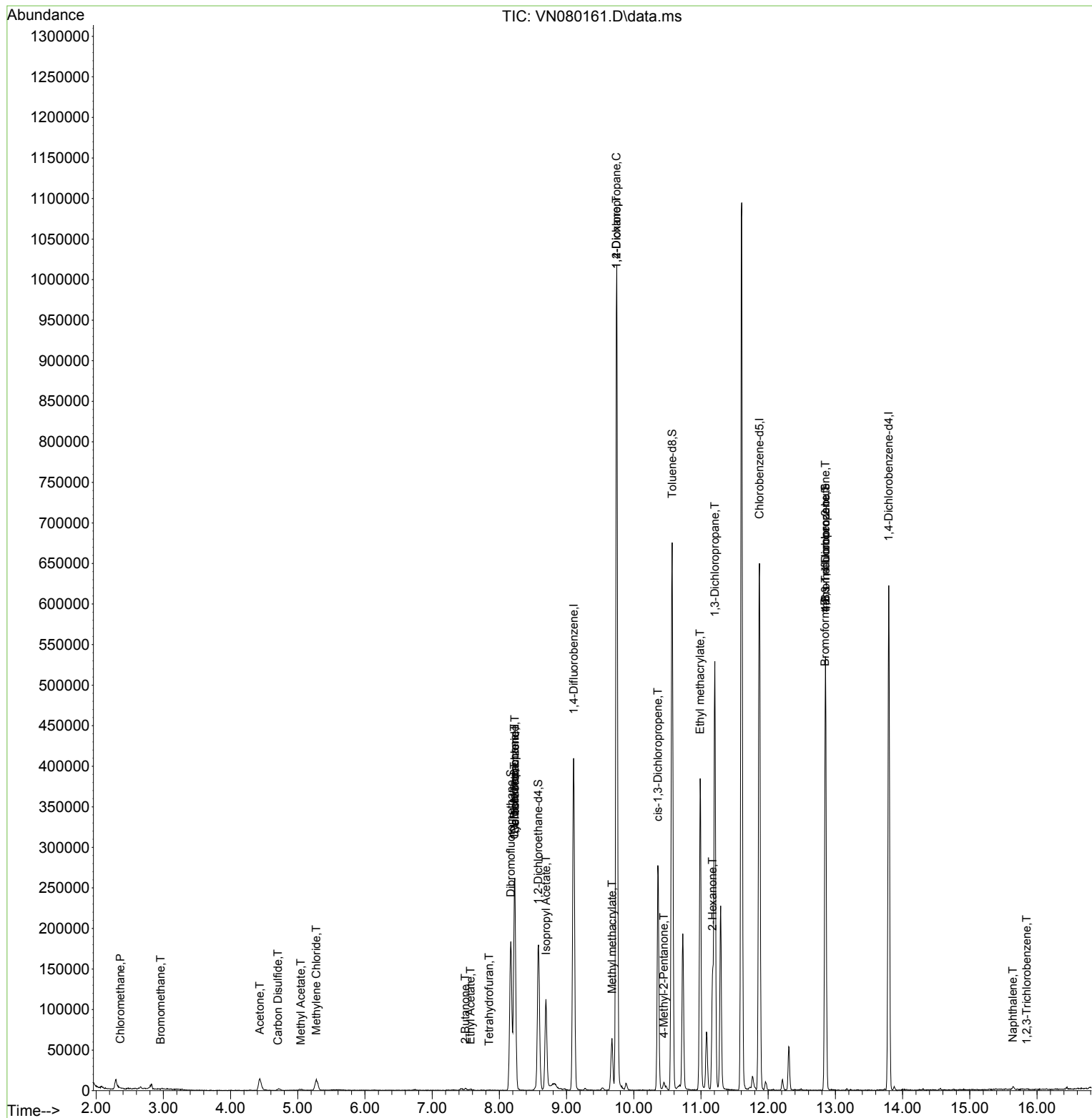
Internal Standards						
1) Pentafluorobenzene	8.230	168	178982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	342829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	379903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	164167	55.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.100%			
35) Dibromofluoromethane	8.171	113	127996	50.599	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.200%			
50) Toluene-d8	10.571	98	471476	51.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.853	95	183368	53.238	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.480%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	416	0.208	ug/l #	42
5) Bromomethane	2.959	94	420	0.292	ug/l #	4
6) Chloroethane	3.112	64	820	Below Cal	#	43
16) Acetone	4.436	43	26957	27.158	ug/l	99
17) Carbon Disulfide	4.706	76	3168	0.561	ug/l #	75
18) Methyl Acetate	5.047	43	1984	0.622	ug/l #	62
20) Methylene Chloride	5.277	84	10984	5.284	ug/l #	96
25) 2-Butanone	7.494	43	3740	3.171	ug/l #	86
29) Tetrahydrofuran	7.847	42	134	0.212	ug/l #	20
31) Cyclohexane	8.224	56	4329	1.347	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	15574	4.252	ug/l #	49
37) Ethyl Acetate	7.571	43	3020	1.189	ug/l #	73
38) Carbon Tetrachloride	8.230	117	20891	4.495	ug/l #	16
43) Isopropyl Acetate	8.694	43	119782	24.230	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1169	0.483	ug/l #	45
48) Methyl methacrylate	9.677	41	3203	1.257	ug/l #	34
49) 1,4-Dioxane	9.741	88	62	1.463	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6894	2.694	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	51597	12.204	ug/l #	67
56) Ethyl methacrylate	10.988	69	1917	0.755	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5964	1.374	ug/l #	42
59) 2-Hexanone	11.171	43	116776	56.781	ug/l #	19
71) Bromoform	12.847	173	742	0.300	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	103485	26.392	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103485	89.168	ug/l #	15
95) Naphthalene	15.641	128	3496	0.383	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	697	0.237	ug/l #	43

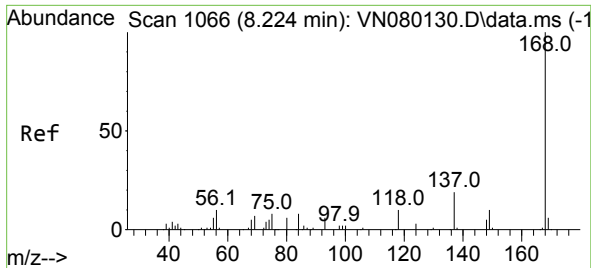
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

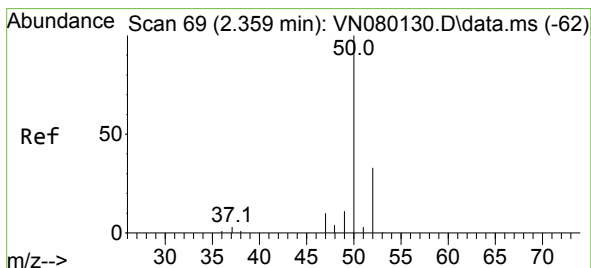
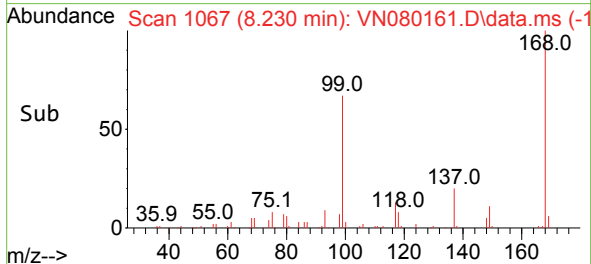
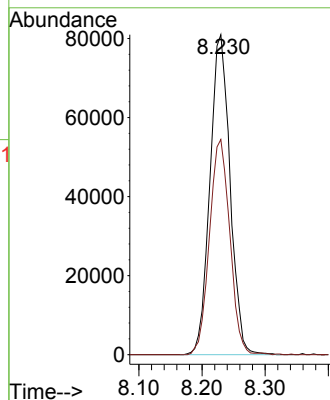
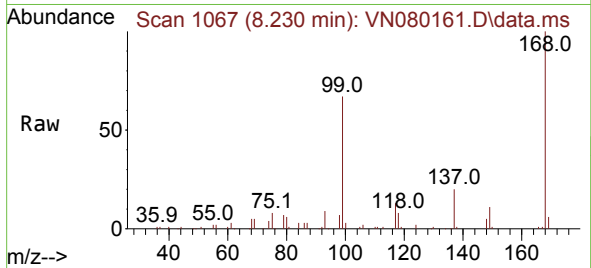




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

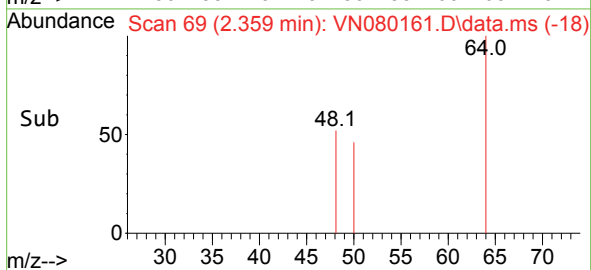
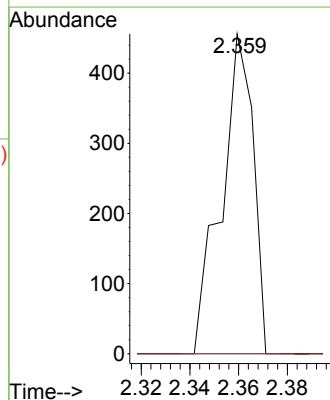
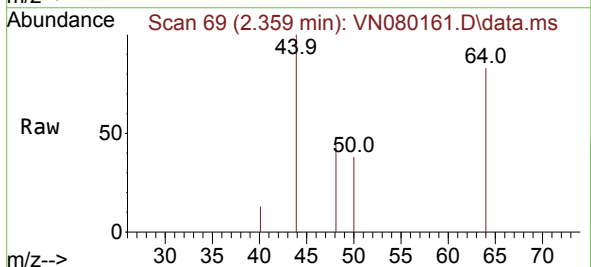
Instrument :
MSVOA_N
ClientSampleId :

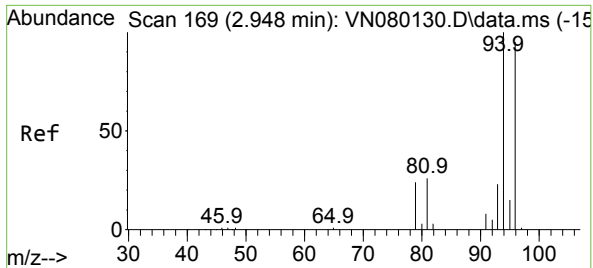
Tgt Ion:168 Resp: 178982
Ion Ratio Lower Upper
168 100
99 67.2 53.0 79.6



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 50 Resp: 416
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

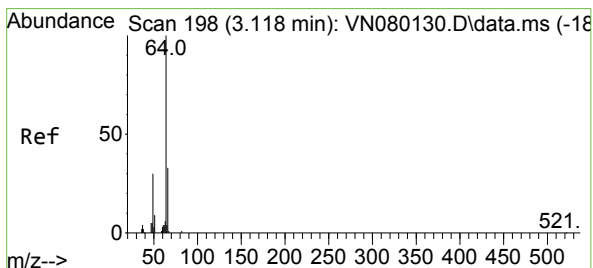
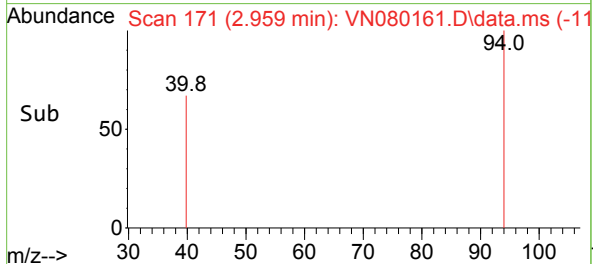
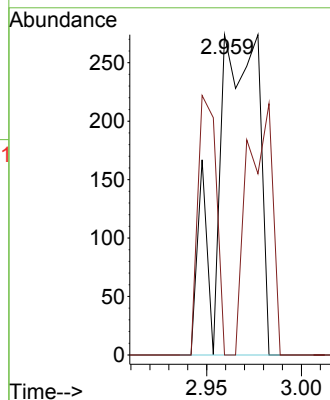
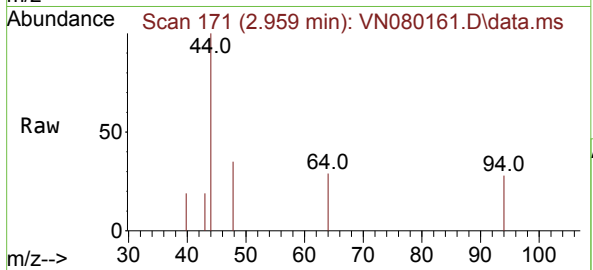




#5
Bromomethane
Concen: 0.292 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

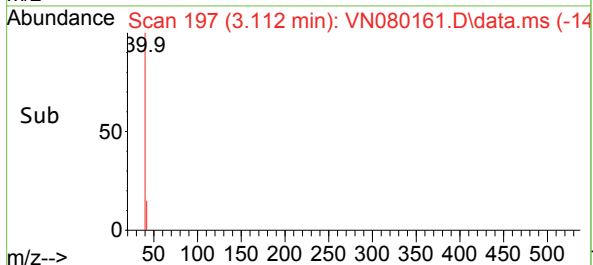
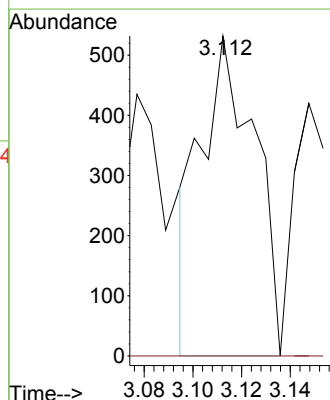
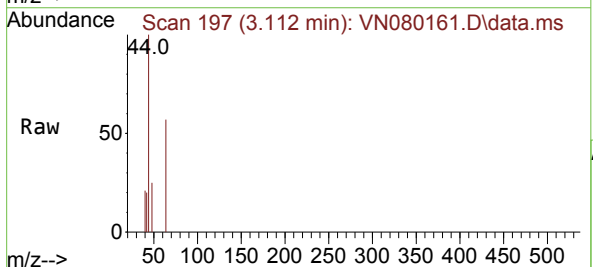
Instrument :
MSVOA_N
ClientSampleId :

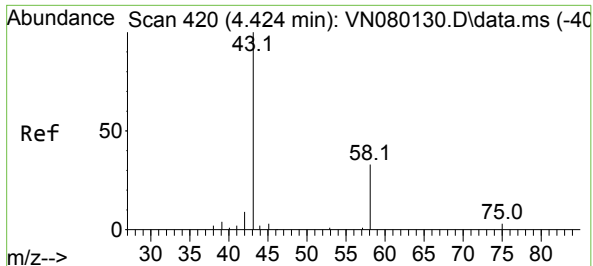
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 64 Resp: 820
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#16

Acetone

Concen: 27.158 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

Instrument :

MSVOA_N

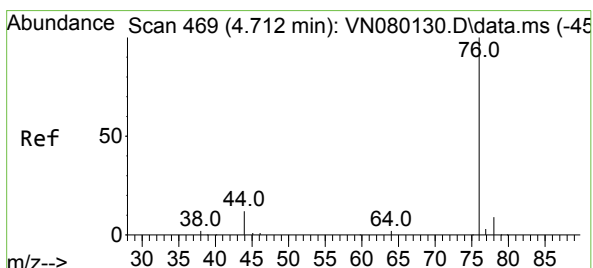
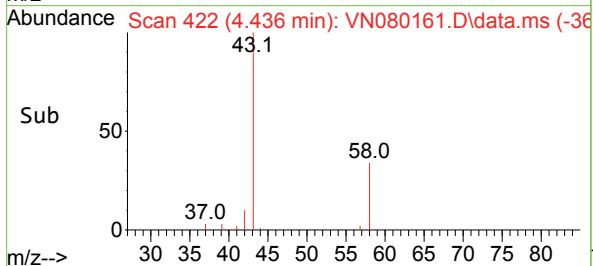
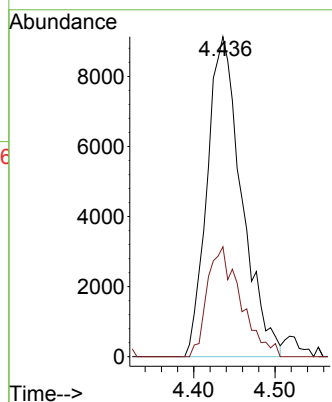
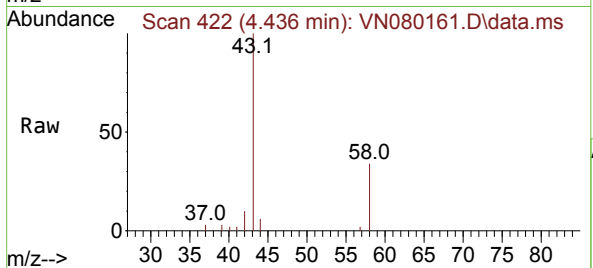
ClientSampleId :

Tgt Ion: 43 Resp: 26957

Ion Ratio Lower Upper

43 100

58 34.4 28.0 42.0



#17

Carbon Disulfide

Concen: 0.561 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN080161.D

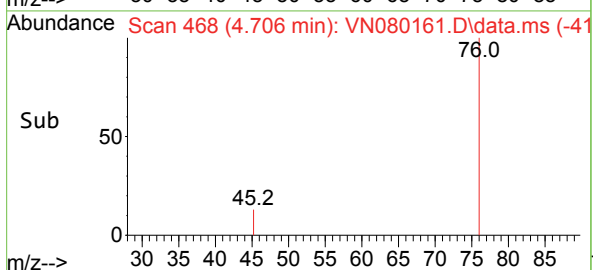
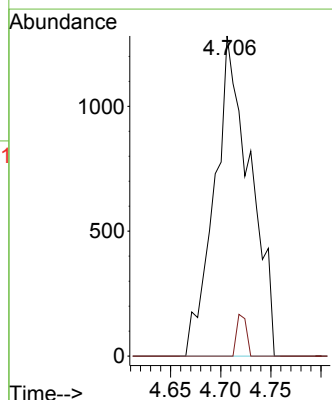
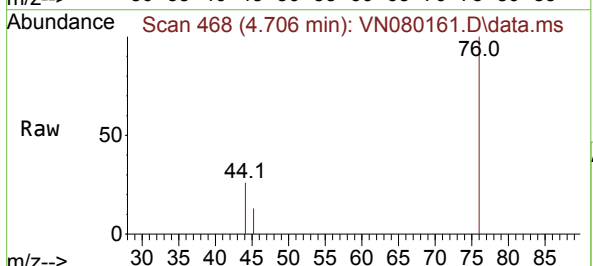
Acq: 17 Nov 2023 14:29

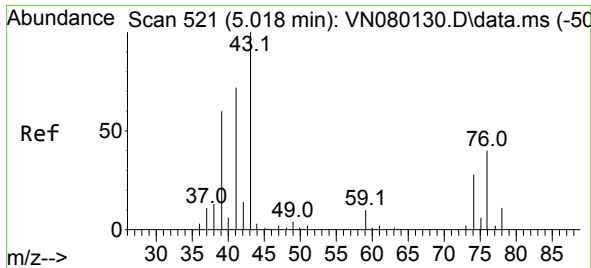
Tgt Ion: 76 Resp: 3168

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

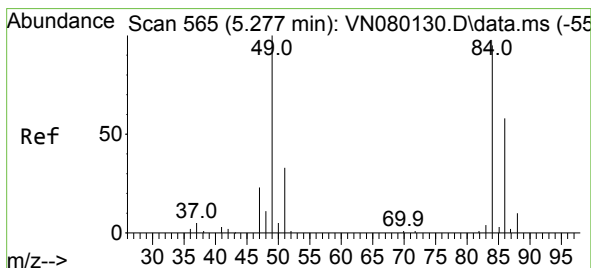
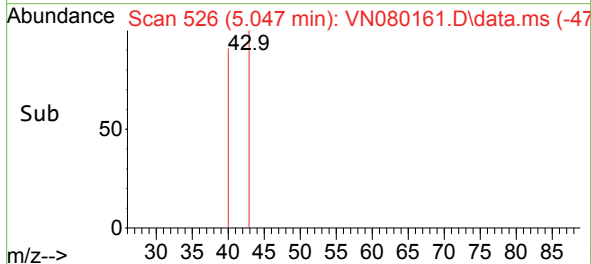
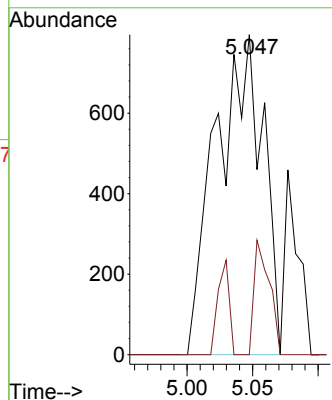
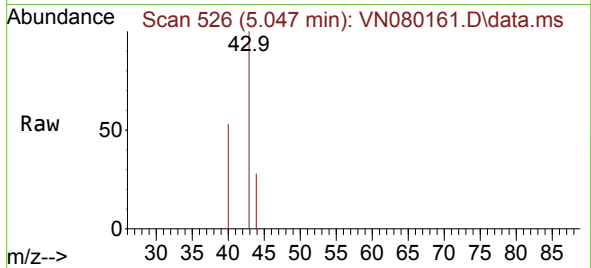




#18
Methyl Acetate
Concen: 0.622 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

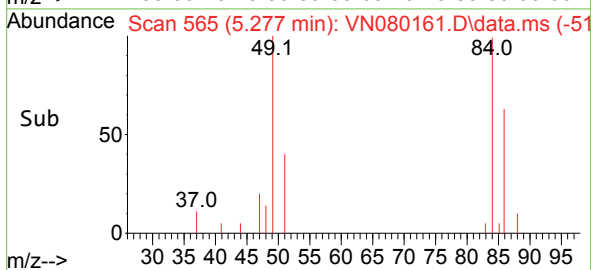
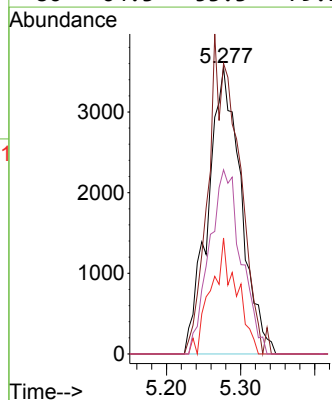
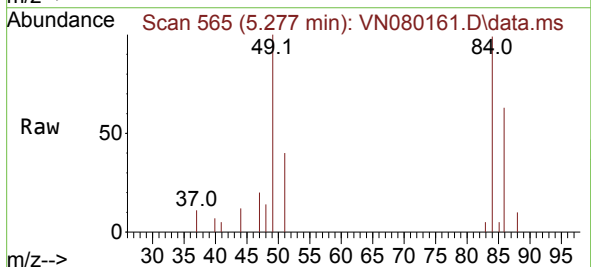
Instrument :
MSVOA_N
ClientSampleId :

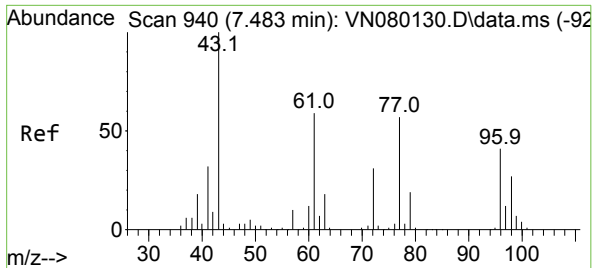
Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
74 11.6 26.2 39.4#



#20
Methylene Chloride
Concen: 5.284 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 84 Resp: 10984
Ion Ratio Lower Upper
84 100
49 101.4 79.7 119.5
51 40.5 25.2 37.8#
86 64.3 53.3 79.9

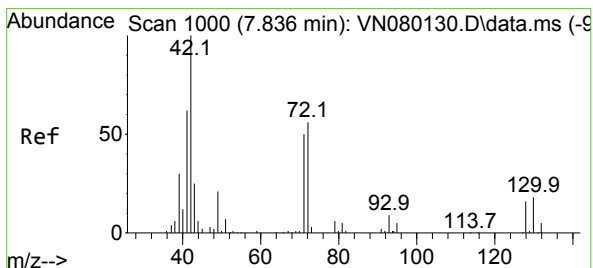
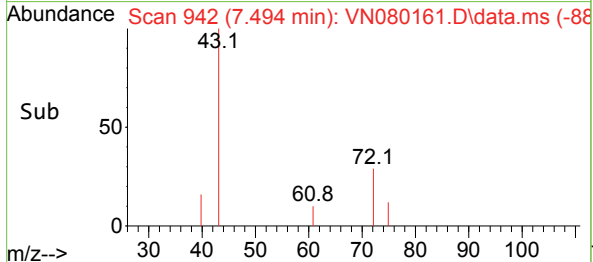
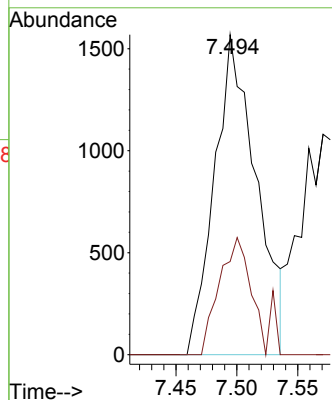
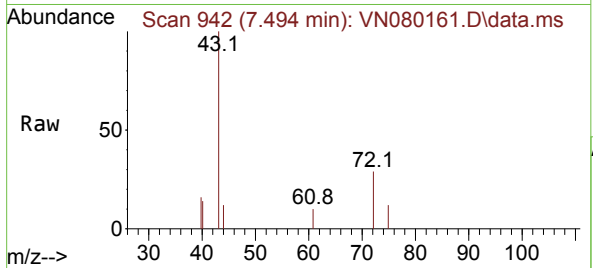




#25
2-Butanone
Concen: 3.171 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

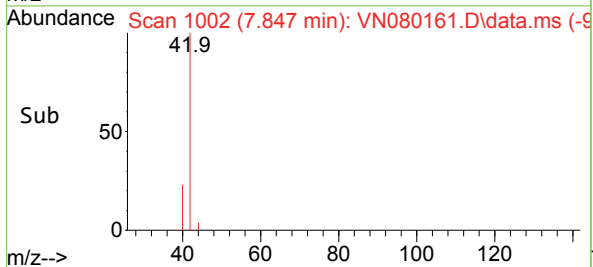
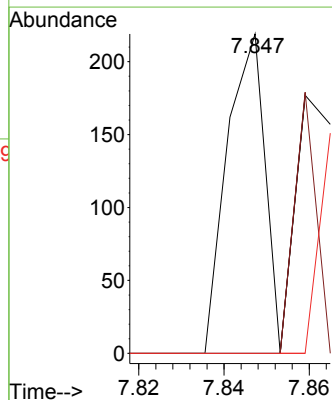
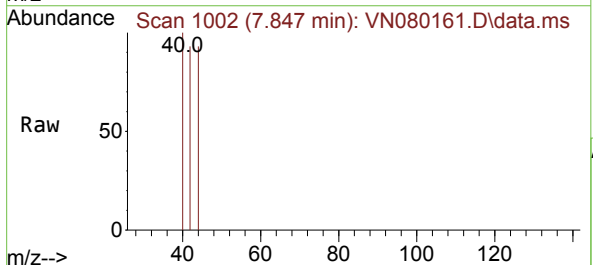
Instrument :
MSVOA_N
ClientSampleId :

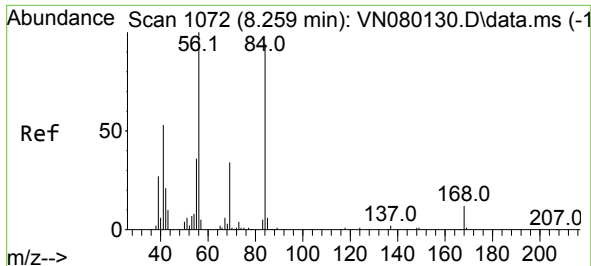
Tgt Ion: 43 Resp: 3740
Ion Ratio Lower Upper
43 100
72 29.1 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.212 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

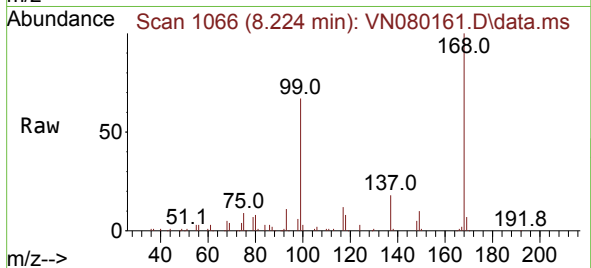
Tgt Ion: 42 Resp: 134
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



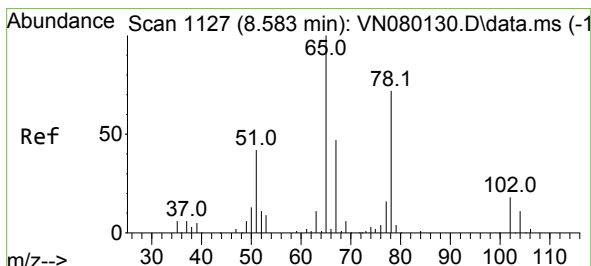
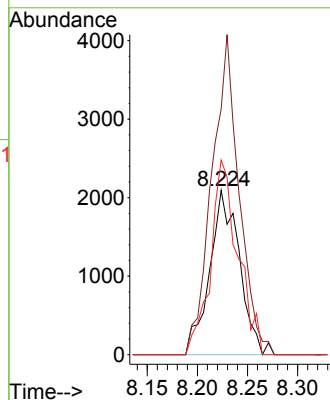
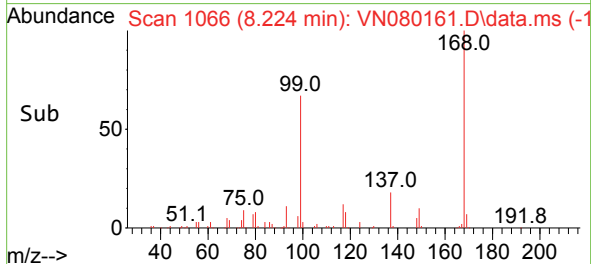


#31
Cyclohexane
Concen: 1.347 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

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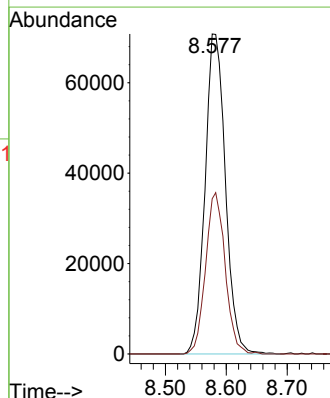
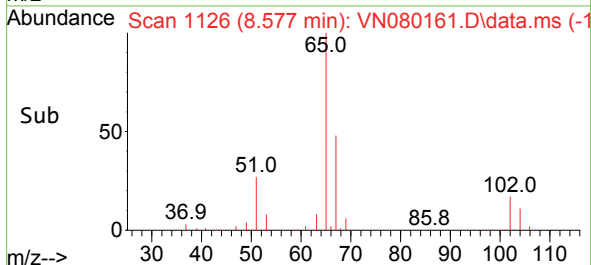
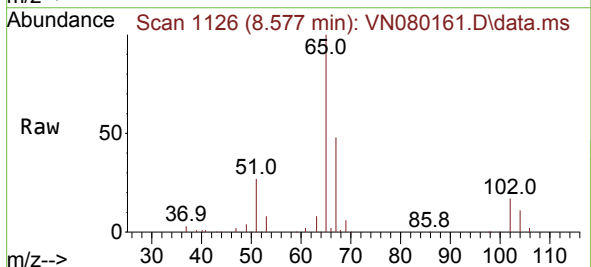


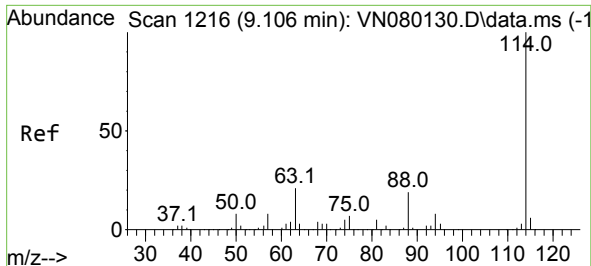
Tgt Ion: 56 Resp: 4329
Ion Ratio Lower Upper
56 100
69 149.6 26.8 40.2#
84 118.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.550 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 65 Resp: 164167
Ion Ratio Lower Upper
65 100
67 48.6 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: VN080161.D

Acq: 17 Nov 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :

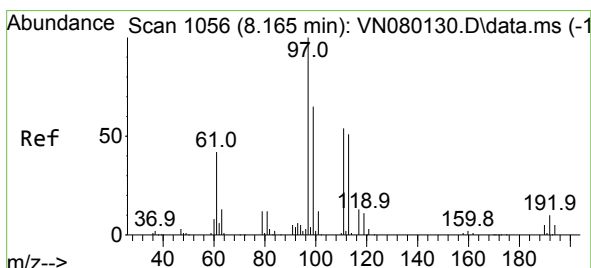
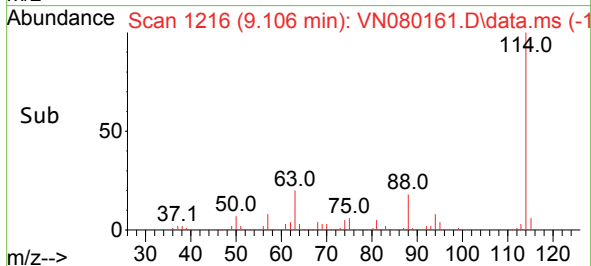
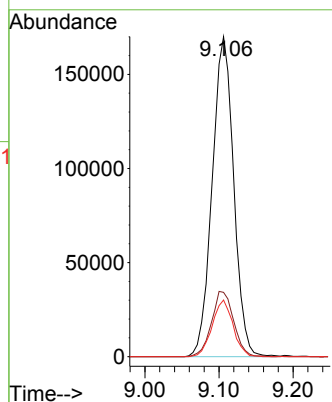
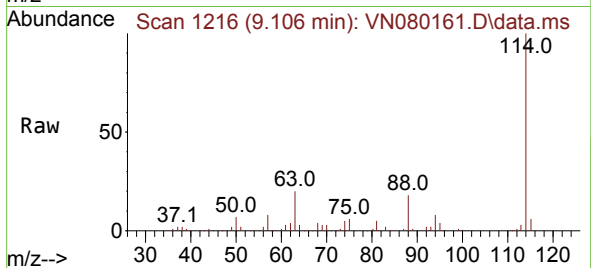
Tgt Ion:114 Resp: 342829

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 17.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.599 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

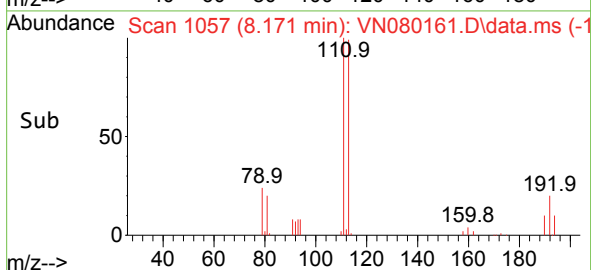
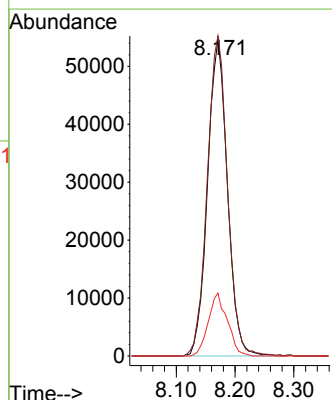
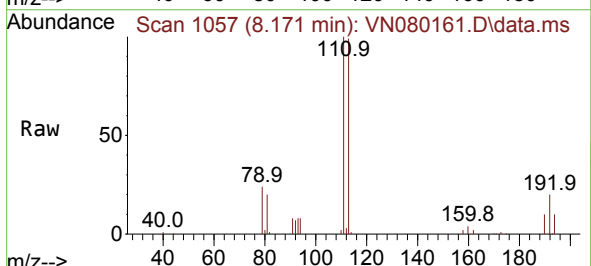
Tgt Ion:113 Resp: 127996

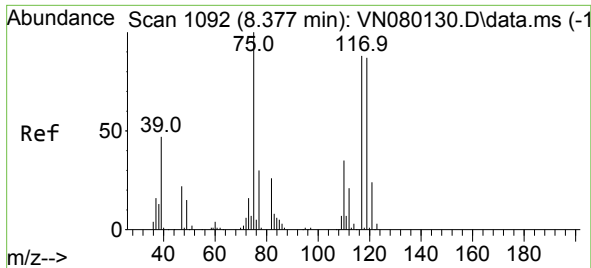
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

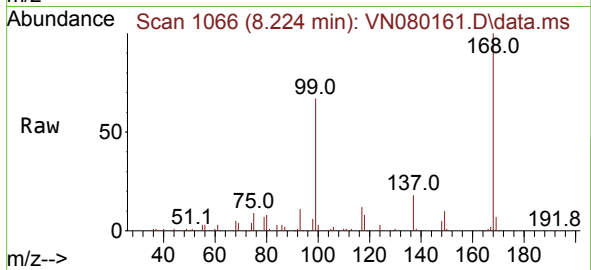
192 19.0 12.7 19.1



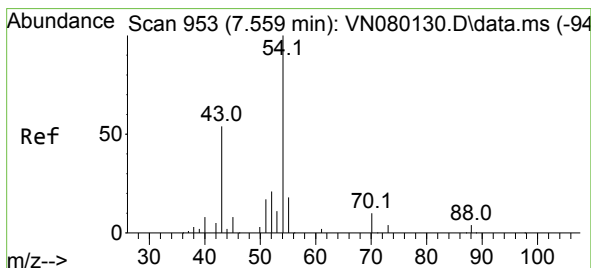
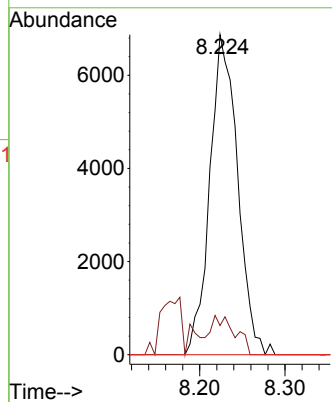
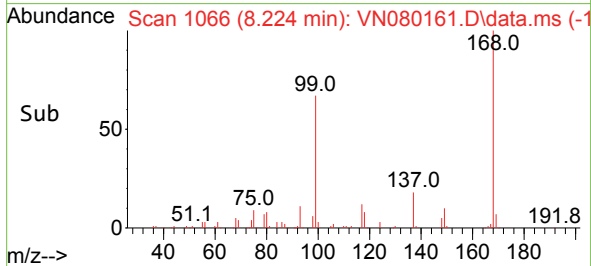


#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

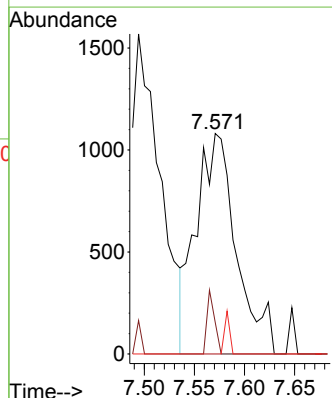
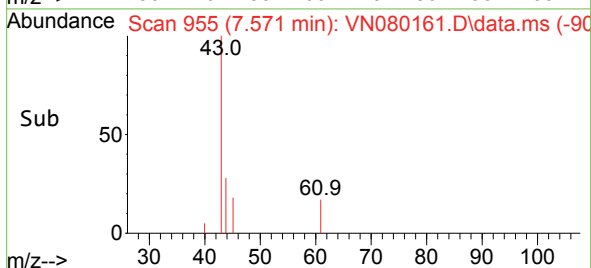
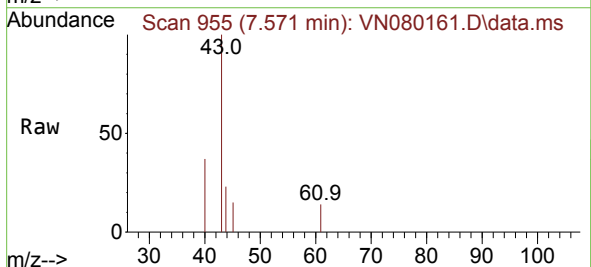


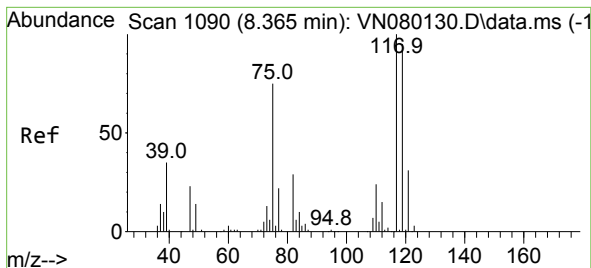
Tgt Ion: 75 Resp: 15574
Ion Ratio Lower Upper
75 100
110 10.5 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.189 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
61 5.5 13.2 19.8#
70 2.5 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.495 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

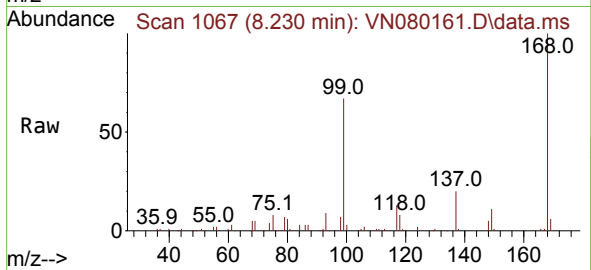
Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :



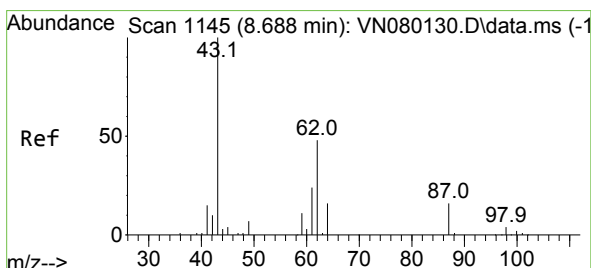
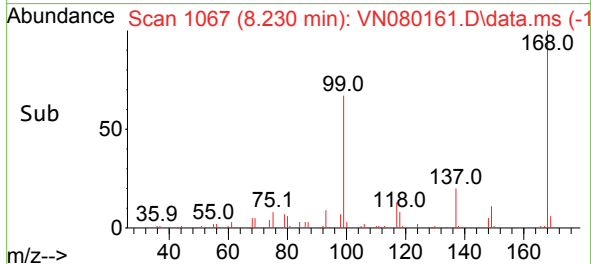
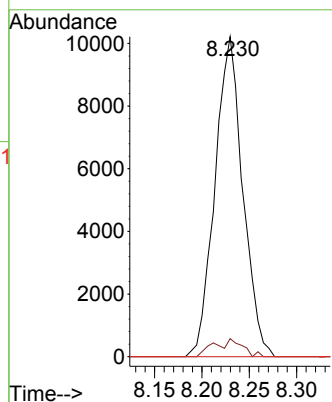
Tgt Ion:117 Resp: 20891

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 24.230 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

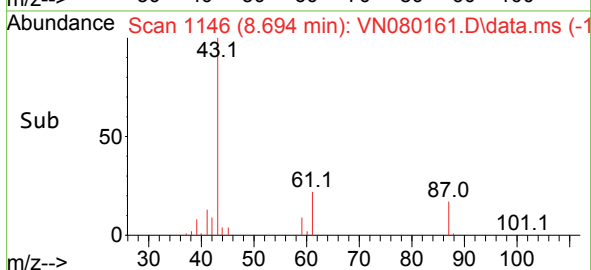
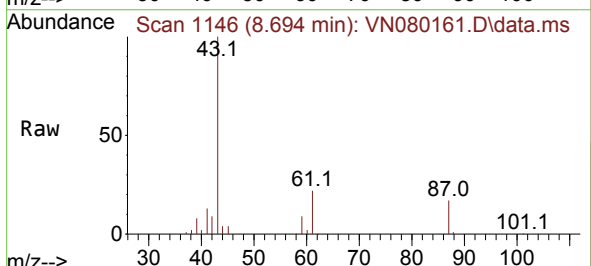
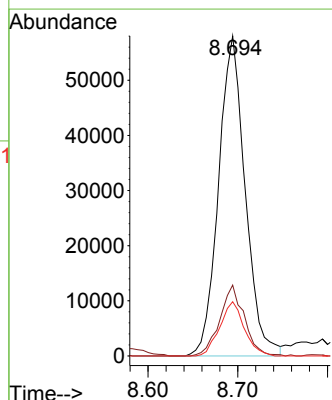
Tgt Ion: 43 Resp: 119782

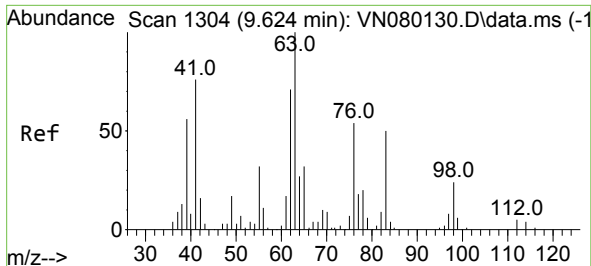
Ion Ratio Lower Upper

43 100

61 20.4 24.7 37.1#

87 15.6 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.483 ug/l

RT: 9.741 min Scan# 1169

Delta R.T. 0.118 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

Instrument :

MSVOA_N

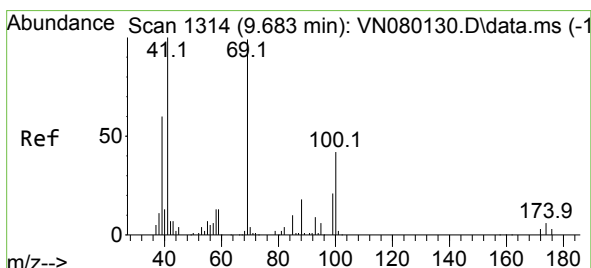
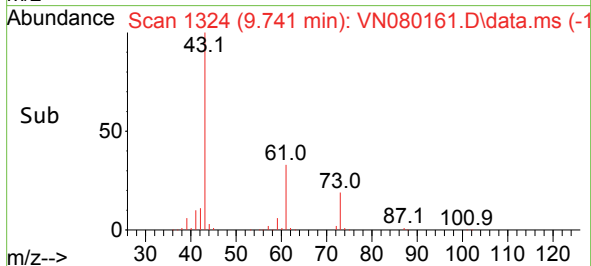
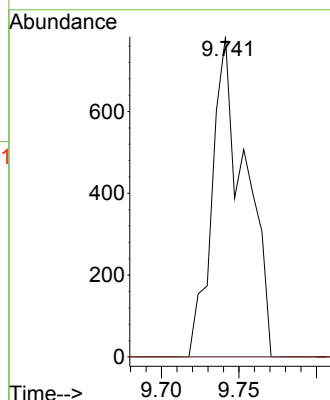
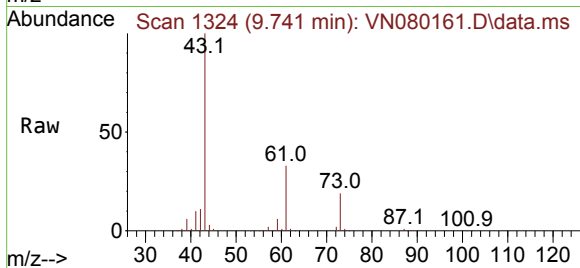
ClientSampleId :

Tgt Ion: 63 Resp: 1169

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.257 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

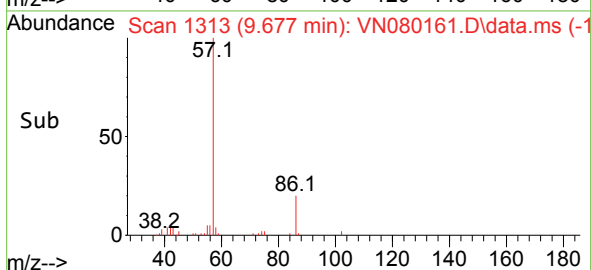
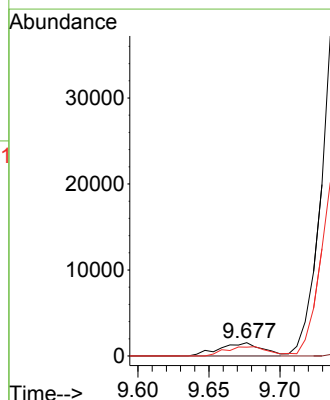
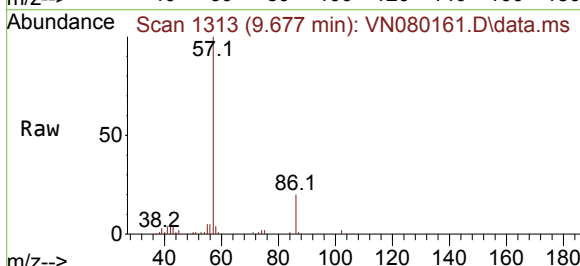
Tgt Ion: 41 Resp: 3203

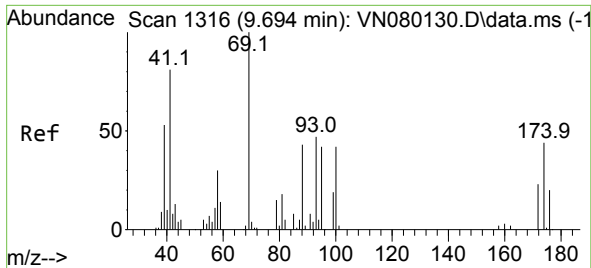
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

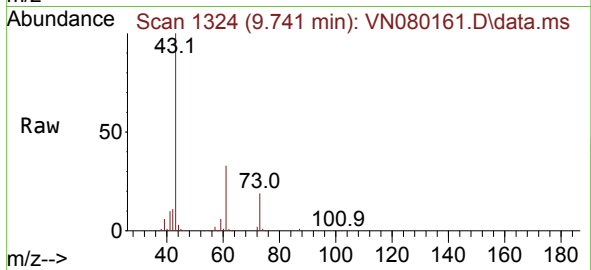
39 68.2 54.6 81.8



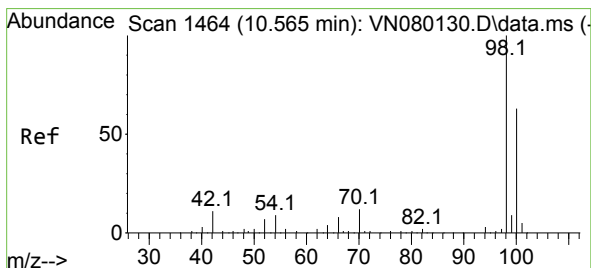
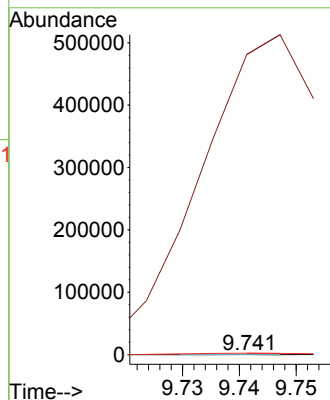
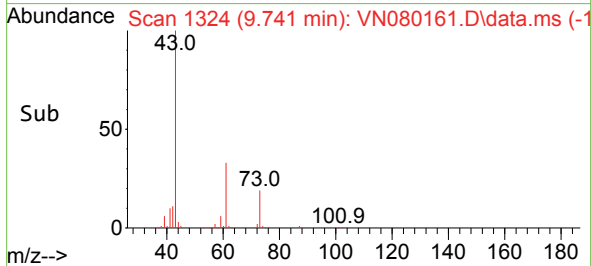


#49
1,4-Dioxane
Concen: 1.463 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

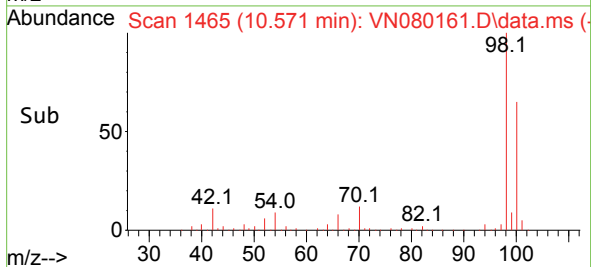
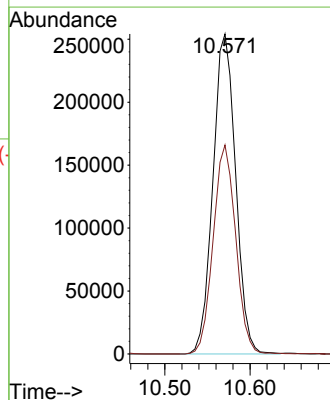
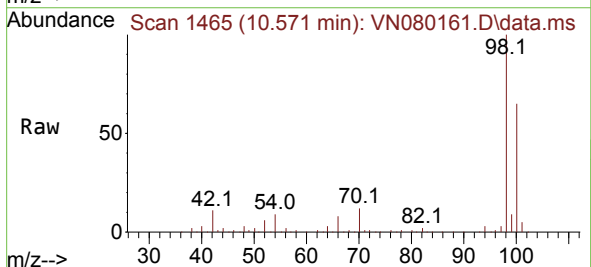


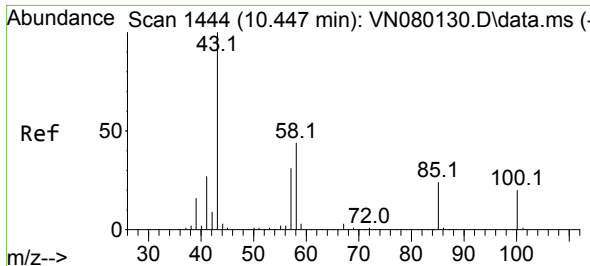
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 1468582.3 17.0 25.6#
58 7232.3 47.0 70.4#



#50
Toluene-d8
Concen: 51.704 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 98 Resp: 471476
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.694 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

Instrument :

MSVOA_N

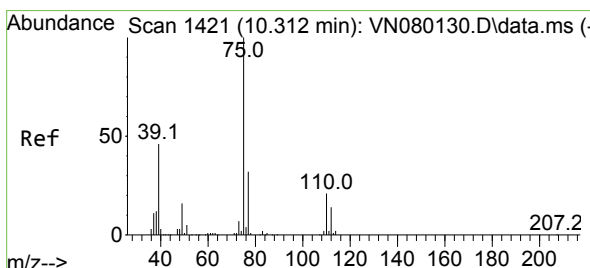
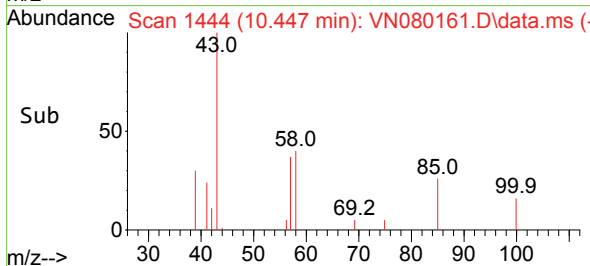
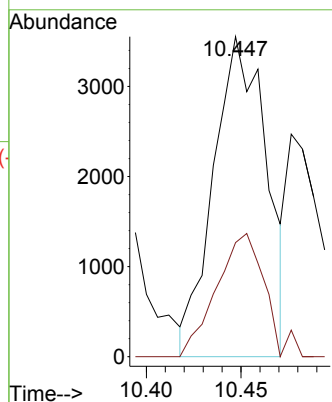
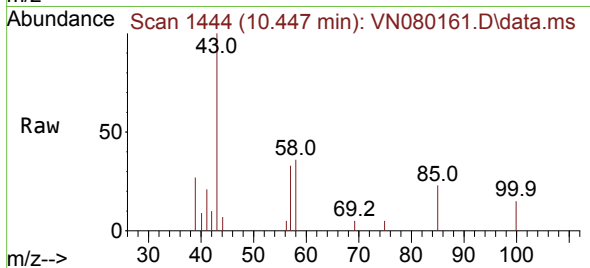
ClientSampleId :

Tgt Ion: 43 Resp: 6894

Ion Ratio Lower Upper

43 100

58 35.3 36.6 54.8#



#54

cis-1,3-Dichloropropene

Concen: 12.204 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

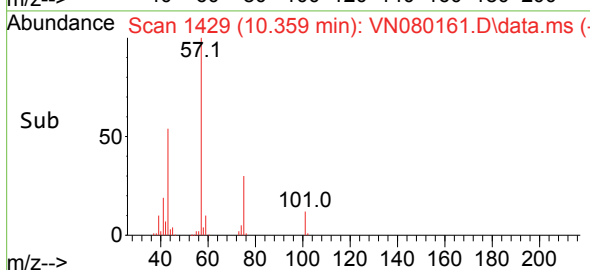
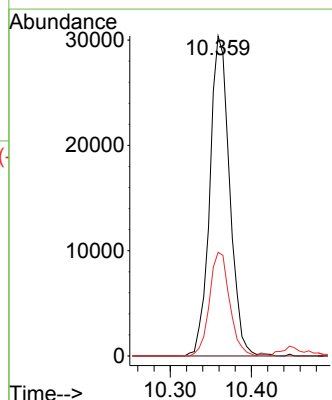
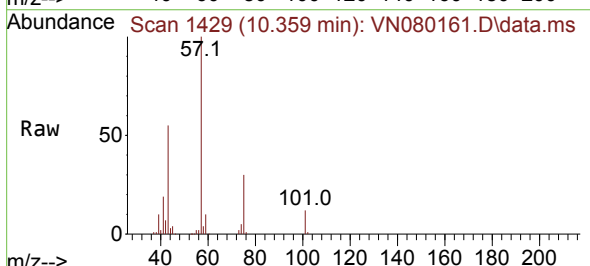
Tgt Ion: 75 Resp: 51597

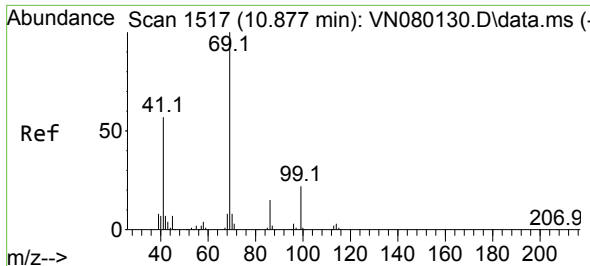
Ion Ratio Lower Upper

75 100

77 0.0 26.1 39.1#

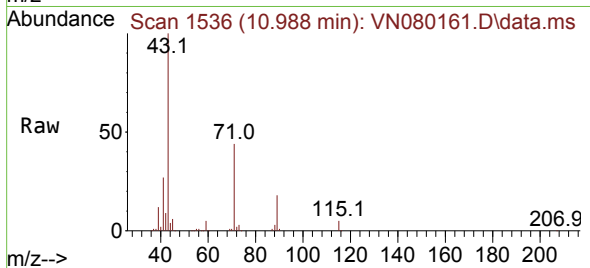
39 32.4 31.6 47.4



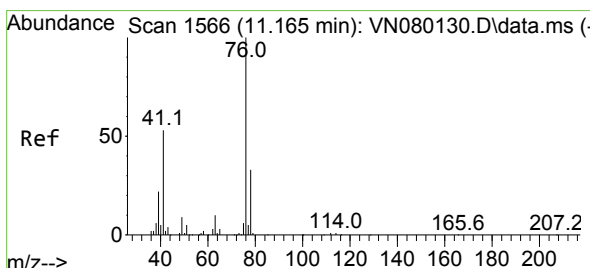
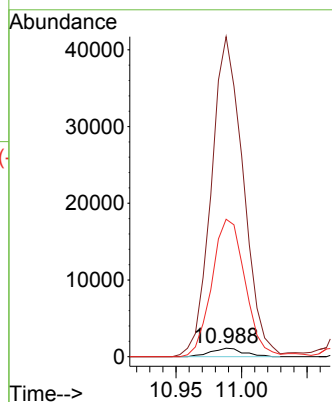
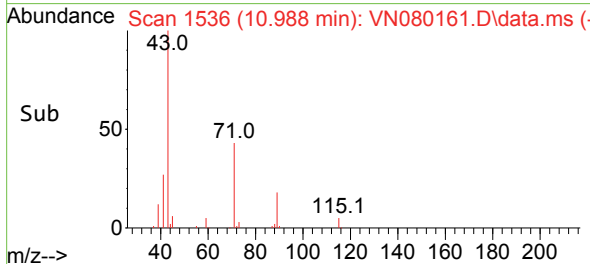


#56
Ethyl methacrylate
Concen: 0.755 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

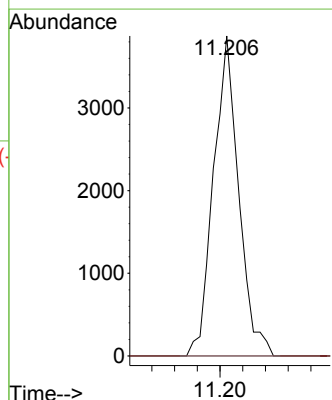
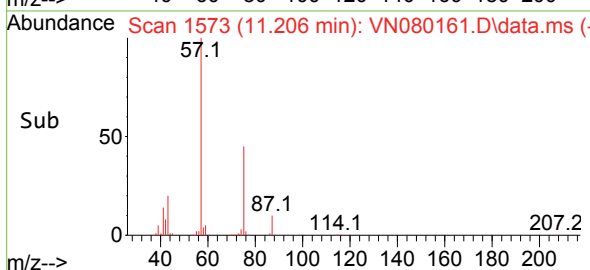
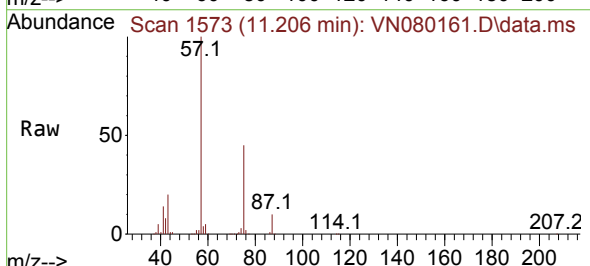


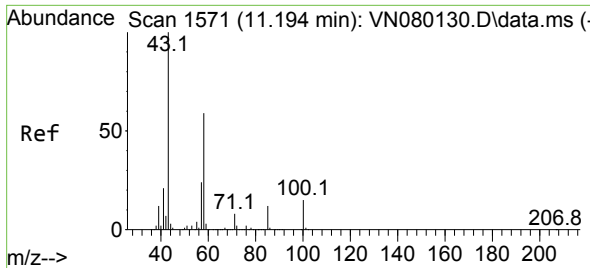
Tgt Ion: 69 Resp: 1917
Ion Ratio Lower Upper
69 100
41 3691.8 39.6 59.4#
39 1664.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.374 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Tgt Ion: 76 Resp: 5964
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

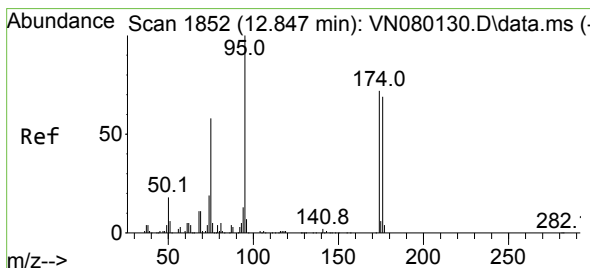
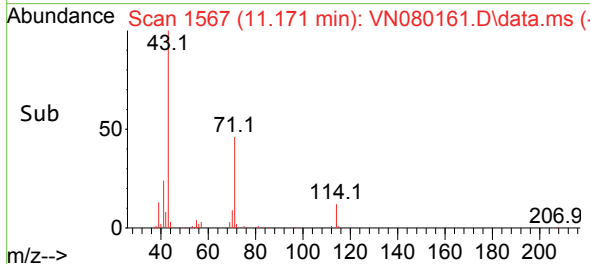
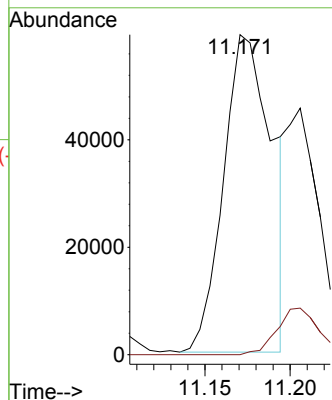
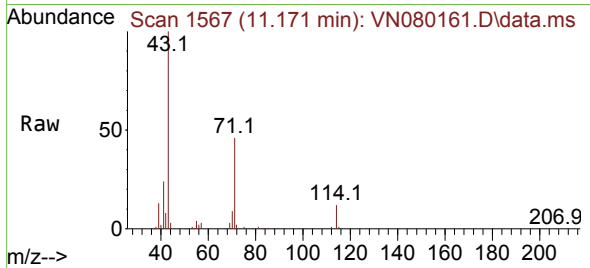




#59
2-Hexanone
Concen: 56.781 ug/l
RT: 11.171 min Scan# 11171
Delta R.T. -0.024 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

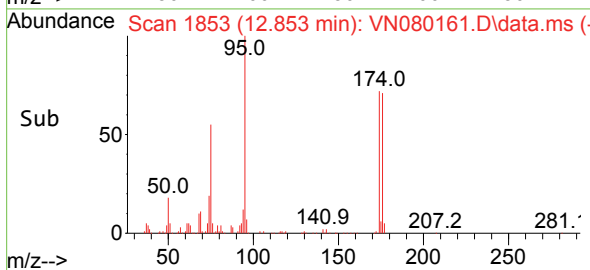
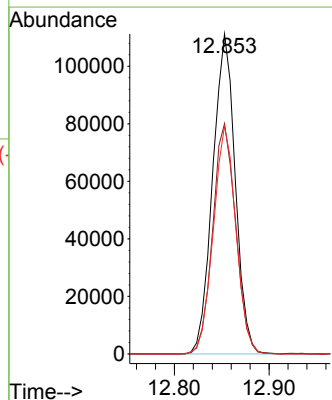
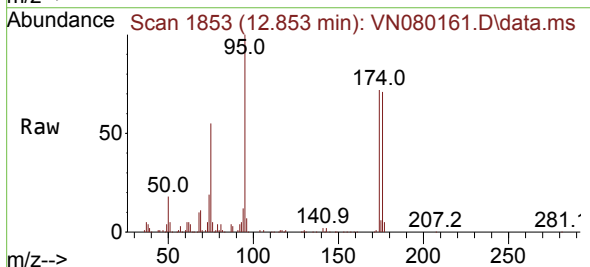
Instrument :
MSVOA_N
ClientSampleId :

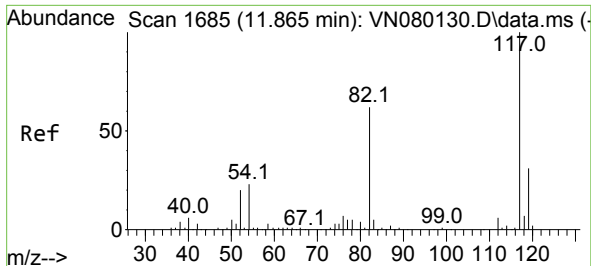
Tgt Ion: 43 Resp: 116776
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.238 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

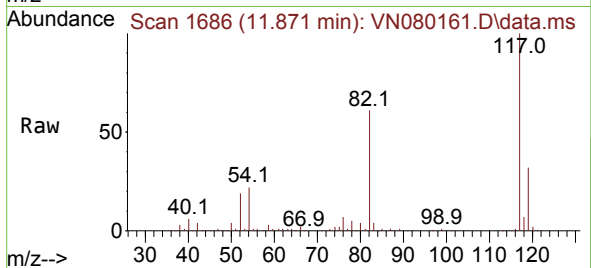
Tgt Ion: 95 Resp: 183368
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 71.5 0.0 135.8



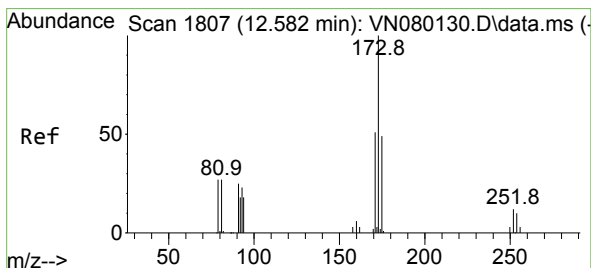
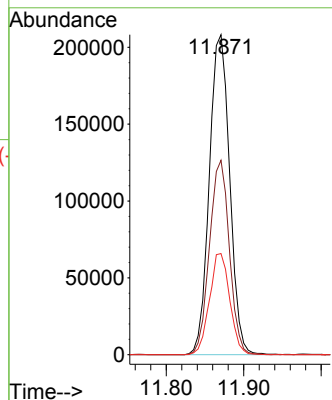
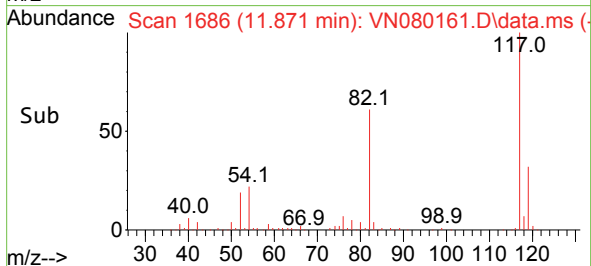


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

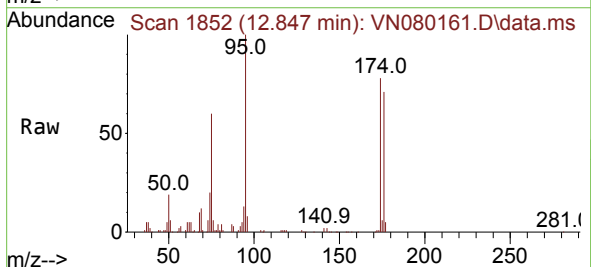
Instrument :
MSVOA_N
ClientSampleId :



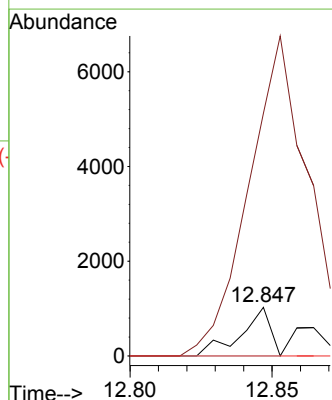
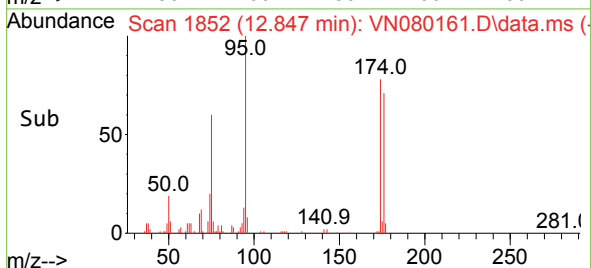
Tgt Ion:117 Resp: 379903
Ion Ratio Lower Upper
117 100
82 60.8 44.0 66.0
119 31.6 25.6 38.4

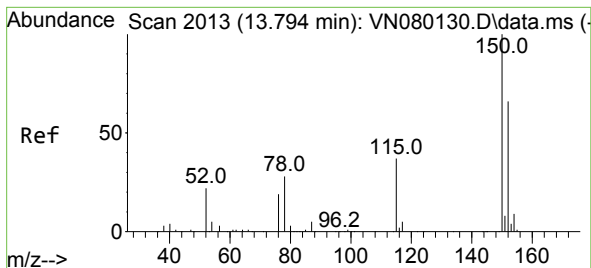


#71
Bromoform
Concen: 0.300 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29



Tgt Ion:173 Resp: 742
Ion Ratio Lower Upper
173 100
175 1058.5 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

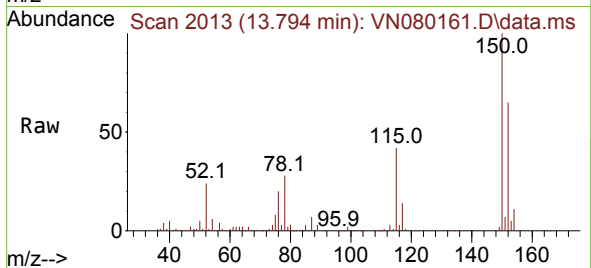
Lab File: VN080161.D

Acq: 17 Nov 2023 14:29

Instrument :

MSVOA_N

ClientSampleId :



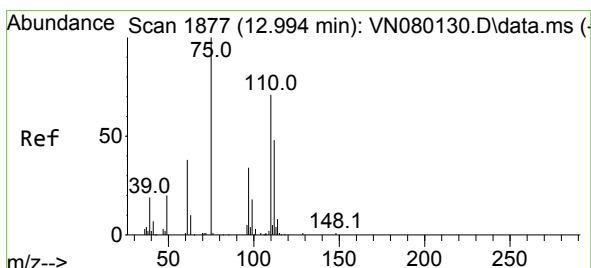
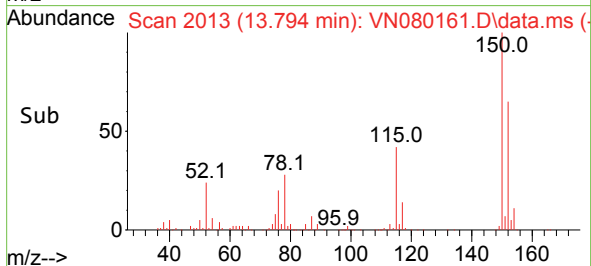
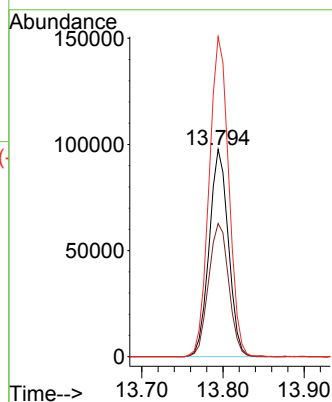
Tgt Ion:152 Resp: 160033

Ion Ratio Lower Upper

152 100

115 67.7 32.3 96.8

150 157.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.392 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080161.D

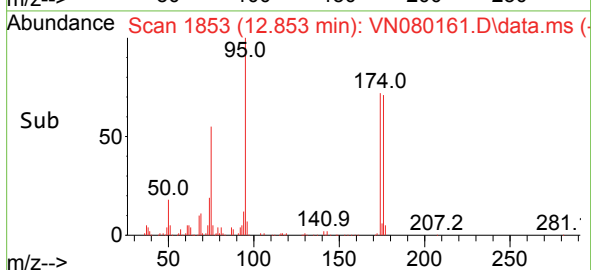
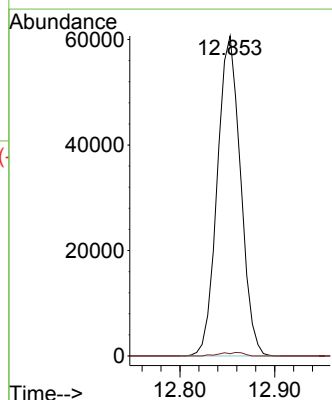
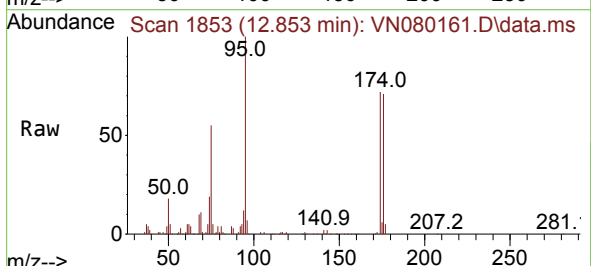
Acq: 17 Nov 2023 14:29

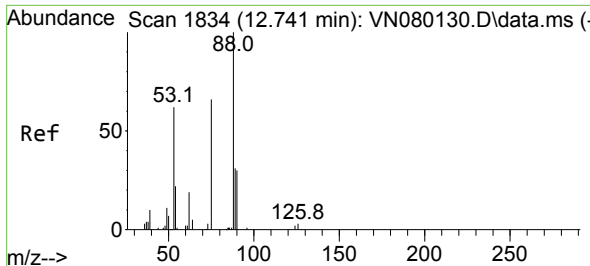
Tgt Ion: 75 Resp: 103485

Ion Ratio Lower Upper

75 100

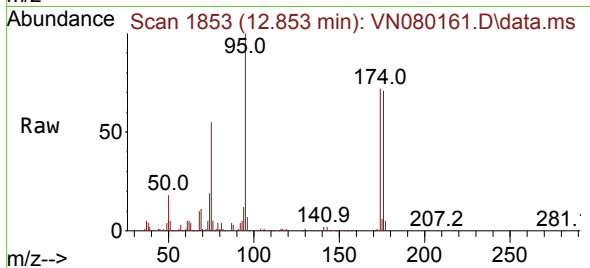
77 1.1 84.5 253.5#



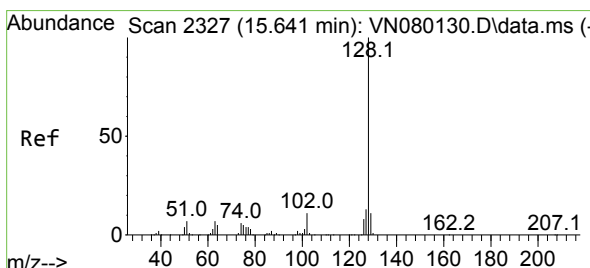
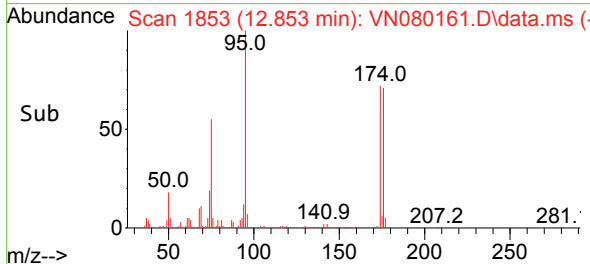
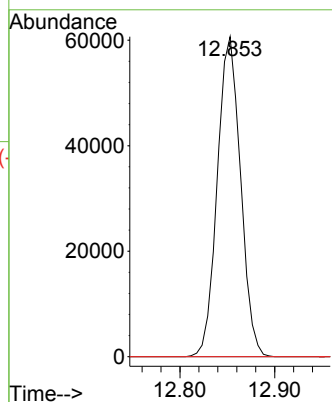


#81
trans-1,4-Dichloro-2-butene
Concen: 89.168 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

Instrument :
MSVOA_N
ClientSampleId :

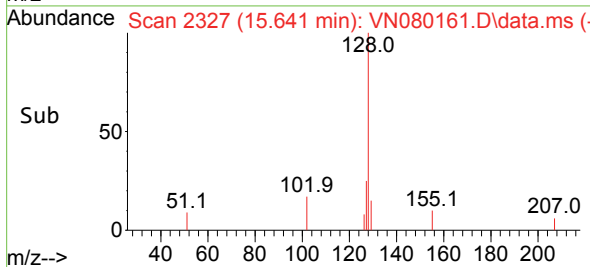
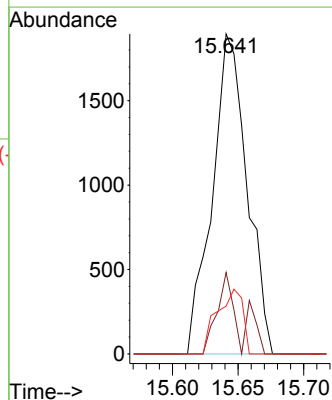
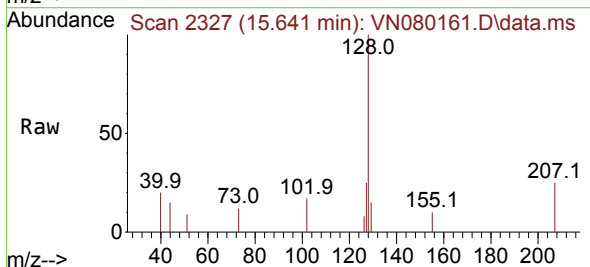


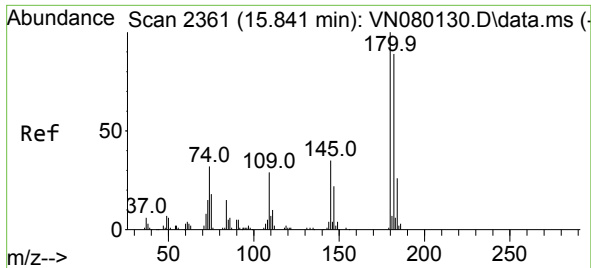
Tgt Ion: 75 Resp: 103485
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.383 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080161.D
Acq: 17 Nov 2023 14:29

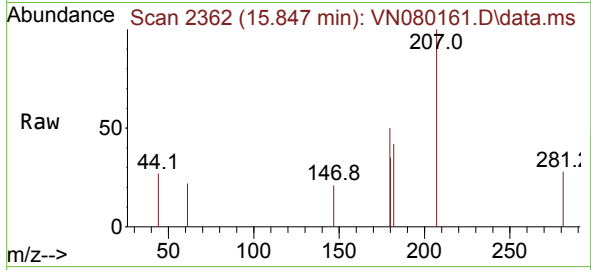
Tgt Ion: 128 Resp: 3496
Ion Ratio Lower Upper
128 100
127 11.8 10.0 15.0
129 14.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.237 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080161.D
 Acq: 17 Nov 2023 14:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 697
 Ion Ratio Lower Upper
 180 100
 182 39.6 46.2 138.6#
 145 0.0 17.5 52.6#

