

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080141.D
 Acq On : 16 Nov 2023 18:22
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 01:26:23 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)

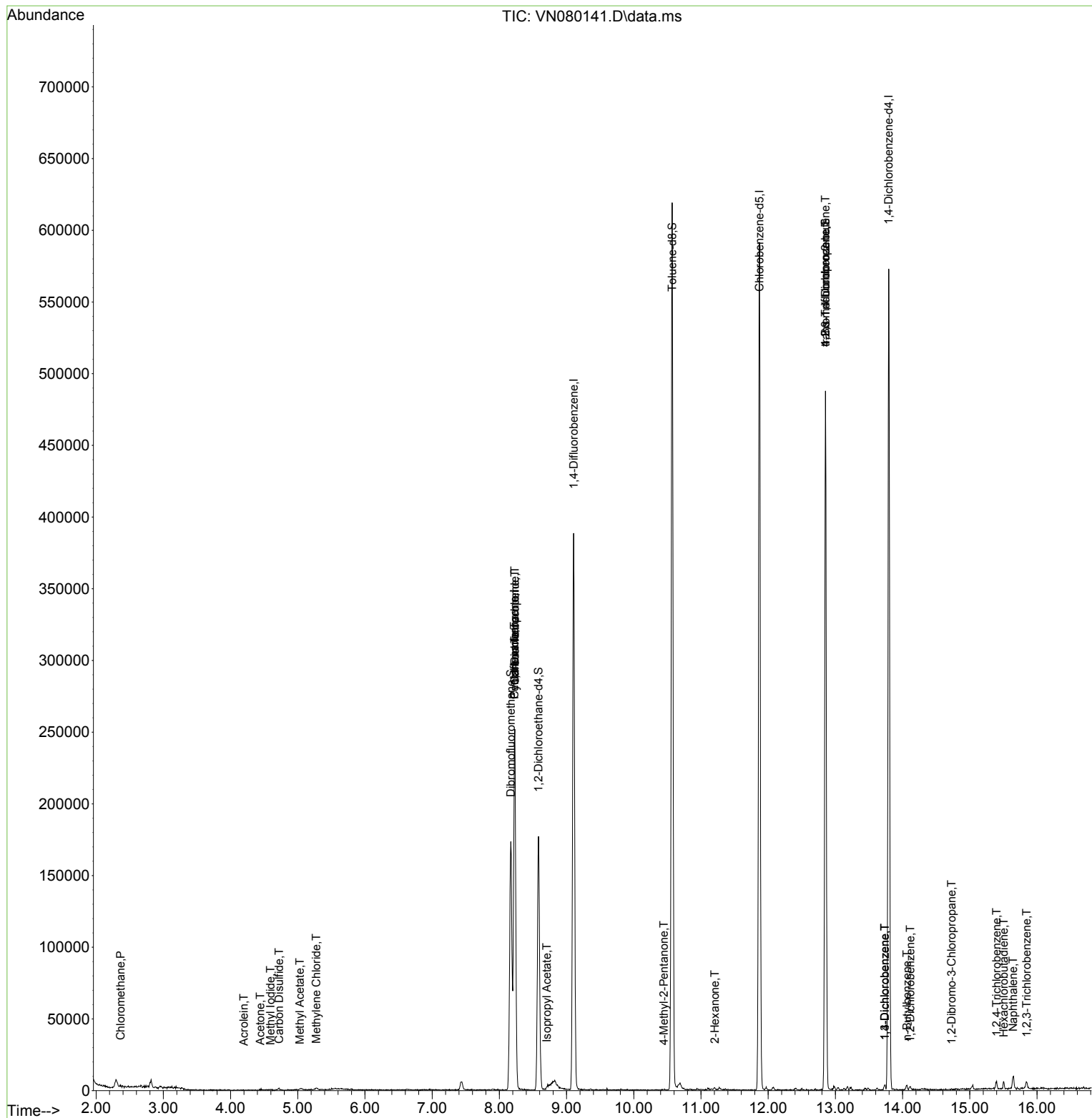
Internal Standards						
1) Pentafluorobenzene	8.224	168	172651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	321681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	336473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	157295	55.177	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.360%			
35) Dibromofluoromethane	8.171	113	121644	51.249	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.500%			
50) Toluene-d8	10.571	98	419628	49.043	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.853	95	164688	50.958	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.920%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	561	0.290	ug/l #	77
6) Chloroethane	3.083	64	83	Below Cal	#	43
10) Methyl Iodide	4.595	142	469	0.222	ug/l #	69
13) Acrolein	4.200	56	184	0.663	ug/l #	53
16) Acetone	4.442	43	224	0.234	ug/l #	40
17) Carbon Disulfide	4.724	76	2526	0.464	ug/l #	75
18) Methyl Acetate	5.030	43	893	0.290	ug/l #	77
20) Methylene Chloride	5.277	84	1082	0.540	ug/l #	55
31) Cyclohexane	8.224	56	3976	1.282	ug/l #	33
36) 1,1-Dichloropropene	8.230	75	15066	4.384	ug/l #	48
38) Carbon Tetrachloride	8.230	117	19639	4.503	ug/l #	17
43) Isopropyl Acetate	8.706	43	1110	0.239	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	833	0.347	ug/l #	31
59) 2-Hexanone	11.206	43	1052	0.545	ug/l	74
76) 1,2,3-Trichloropropane	12.853	75	91449	24.893	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	91449	84.105	ug/l #	15
87) 1,3-Dichlorobenzene	13.735	146	1450	0.274	ug/l	83
88) 1,4-Dichlorobenzene	13.735	146	1450	0.273	ug/l	86
89) n-Butylbenzene	14.065	91	2116	0.275	ug/l	91
91) 1,2-Dichlorobenzene	14.118	146	1171	0.231	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.729	75	209	0.258	ug/l #	52
93) 1,2,4-Trichlorobenzene	15.400	180	1921	0.652	ug/l	89
94) Hexachlorobutadiene	15.506	225	1019	0.601	ug/l	92
95) Naphthalene	15.647	128	8800	1.030	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	2402	0.870	ug/l	92

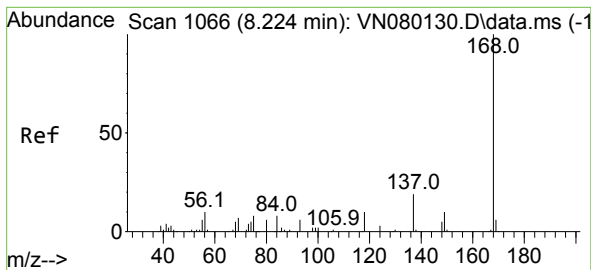
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
Data File : VN080141.D
Acq On : 16 Nov 2023 18:22
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 17 01:26:23 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

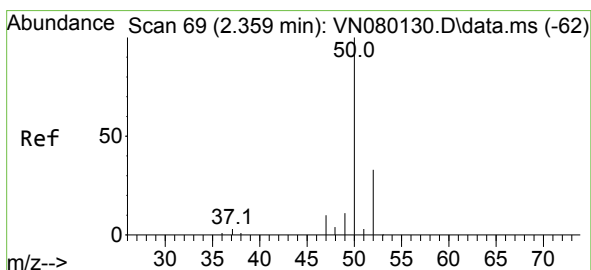
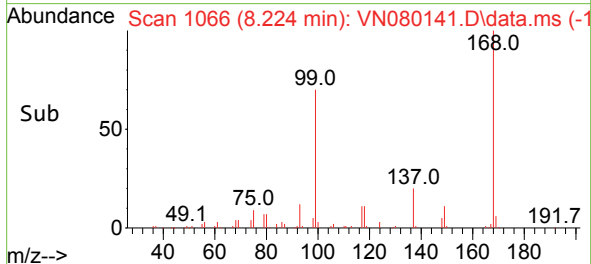
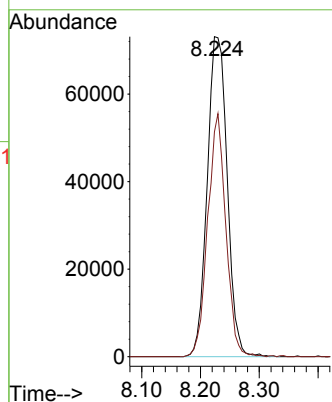
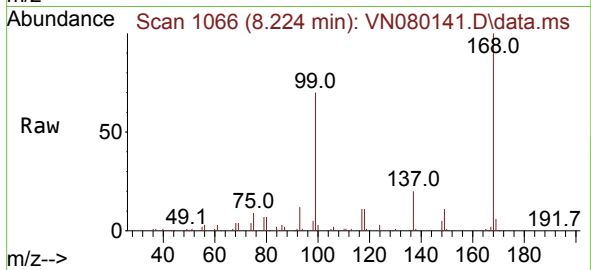
ClientSampleId :

Tgt Ion:168 Resp: 172651

Ion Ratio Lower Upper

168 100

99 70.3 53.0 79.6



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080141.D

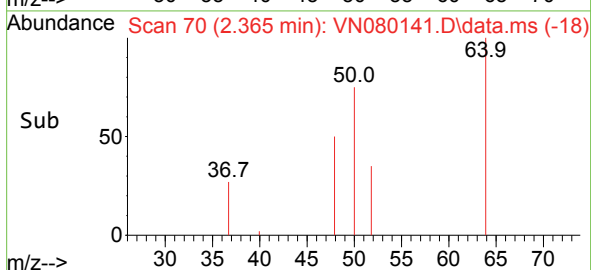
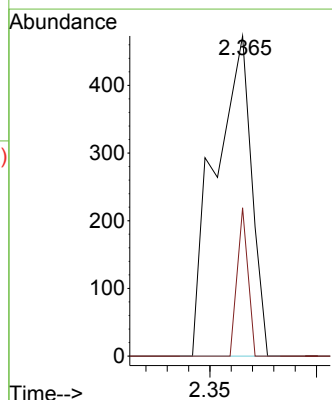
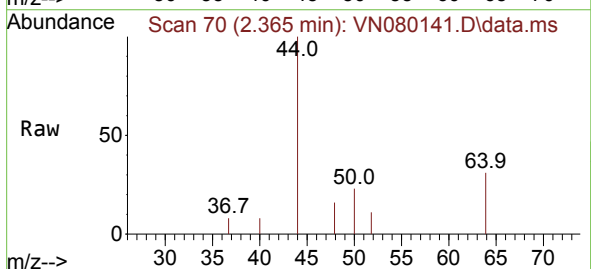
Acq: 16 Nov 2023 18:22

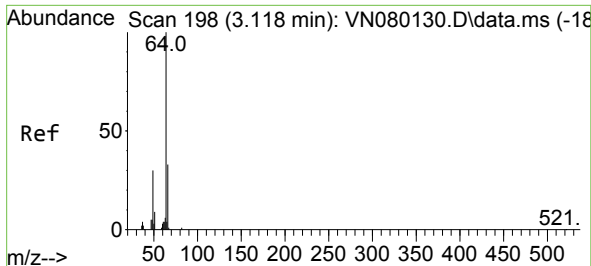
Tgt Ion: 50 Resp: 561

Ion Ratio Lower Upper

50 100

52 46.3 26.5 39.7#

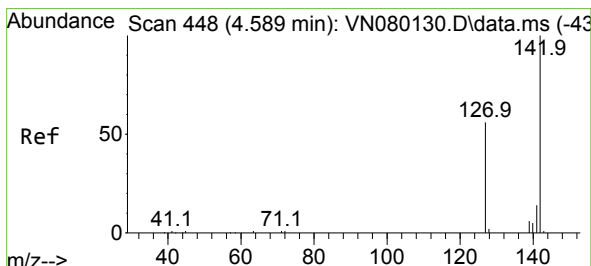
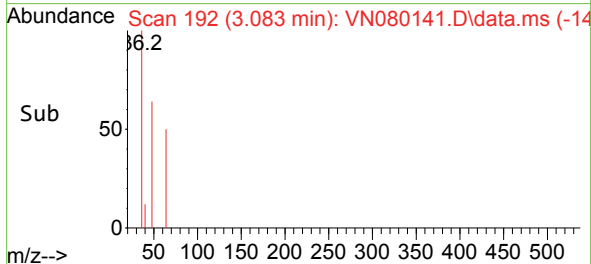
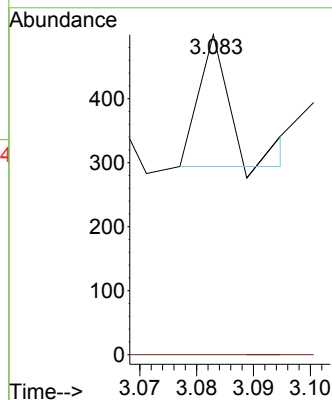
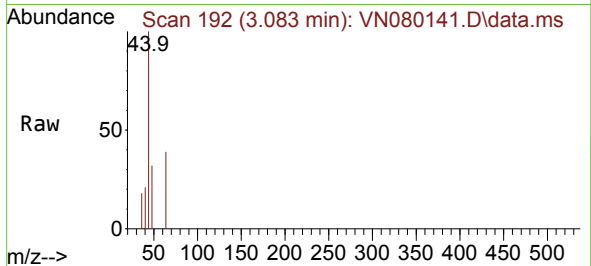




#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 198
Delta R.T. -0.035 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

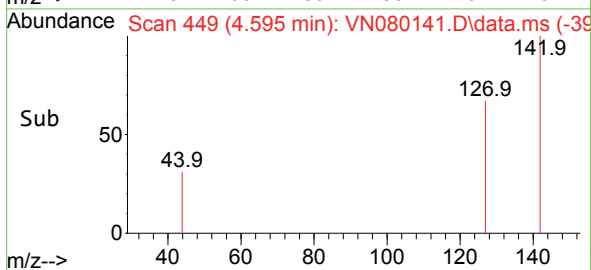
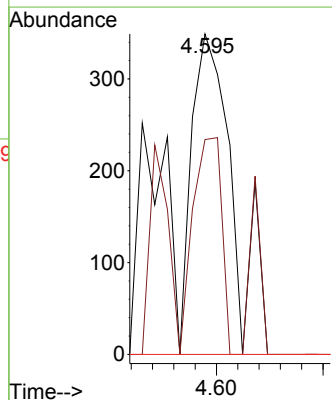
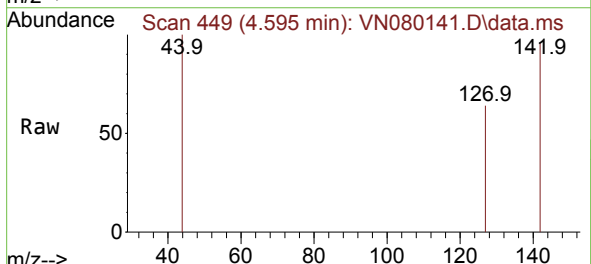
Instrument :
MSVOA_N
ClientSampleId :

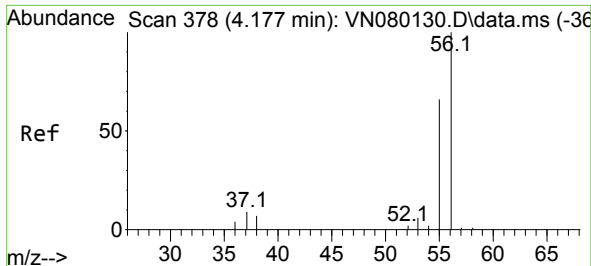
Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.222 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

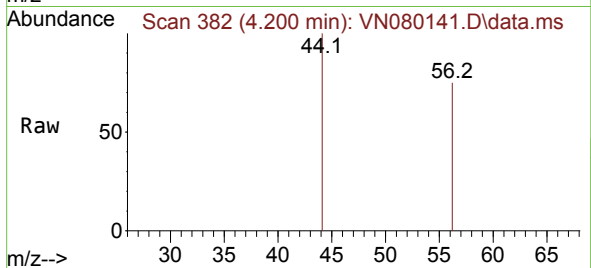
Tgt Ion: 142 Resp: 469
Ion Ratio Lower Upper
142 100
127 67.0 37.6 56.4#
141 0.0 11.4 17.0#



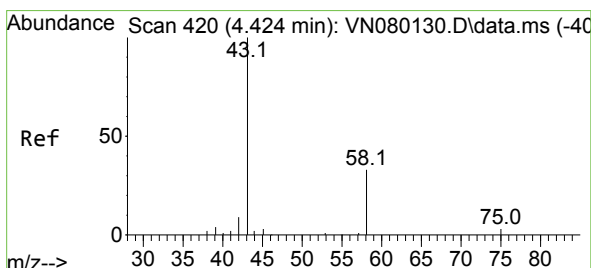
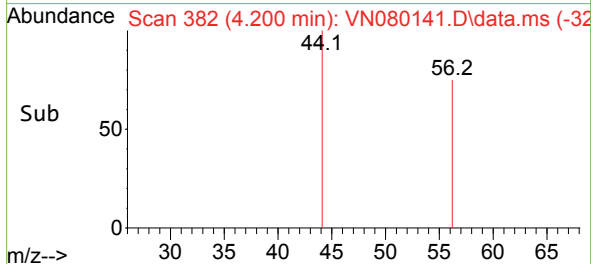
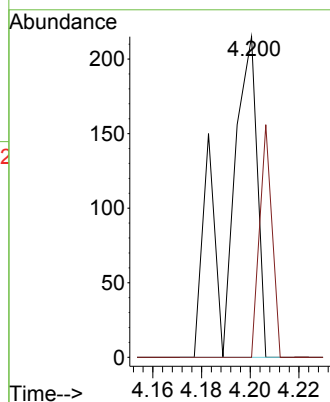


#13
Acrolein
Concen: 0.663 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :

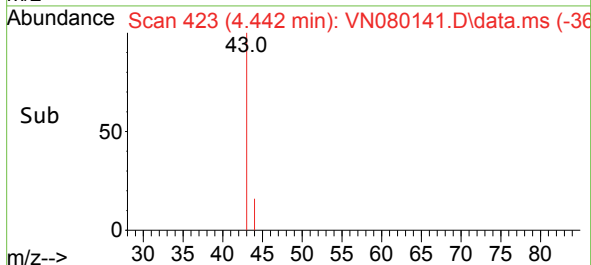
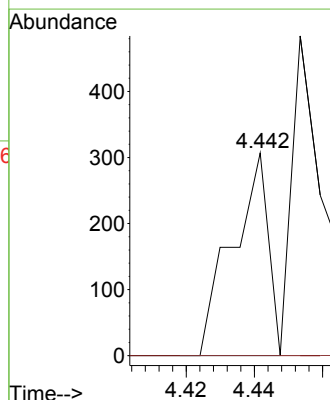
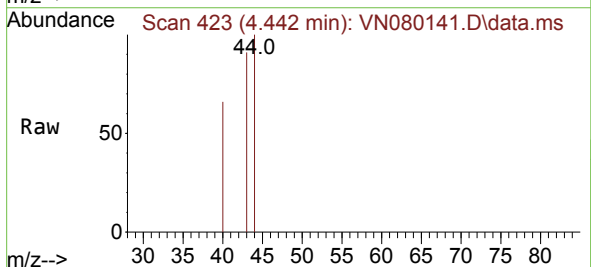


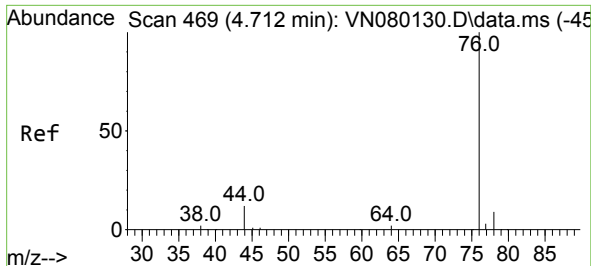
Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 29.9 54.5 81.7#



#16
Acetone
Concen: 0.234 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

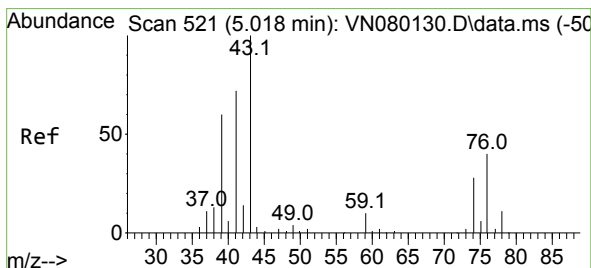
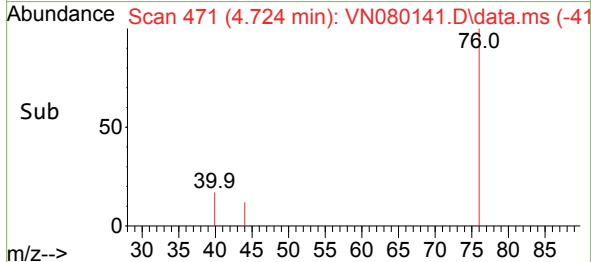
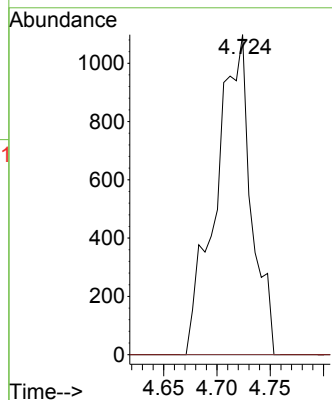
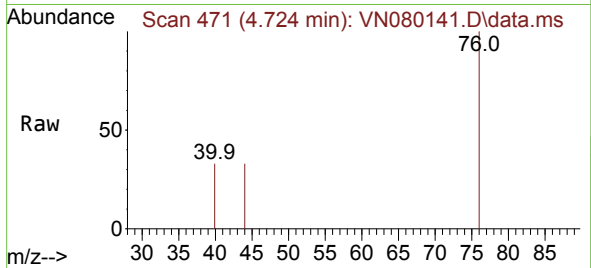




#17
Carbon Disulfide
Concen: 0.464 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

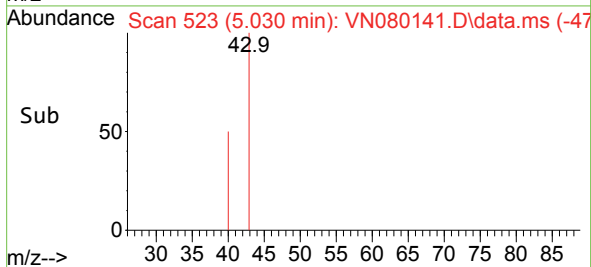
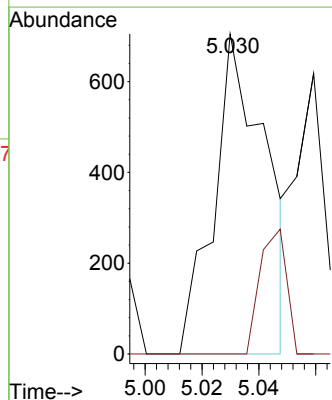
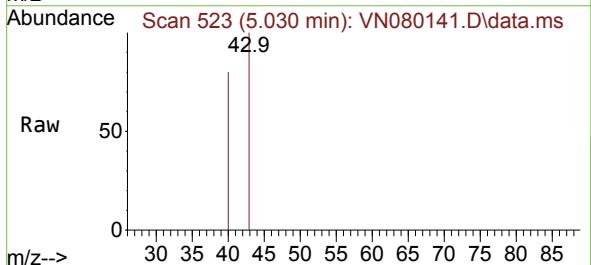
Instrument :
MSVOA_N
ClientSampleId :

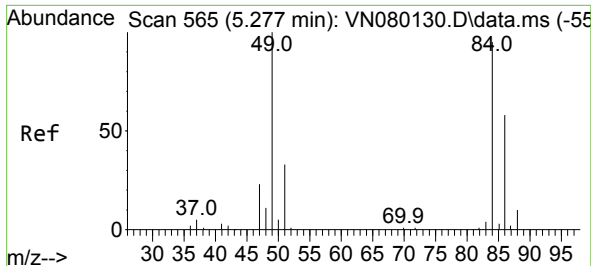
Tgt Ion: 76 Resp: 2526
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

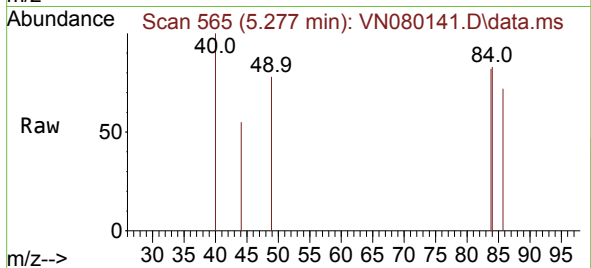
Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 19.9 26.2 39.4#



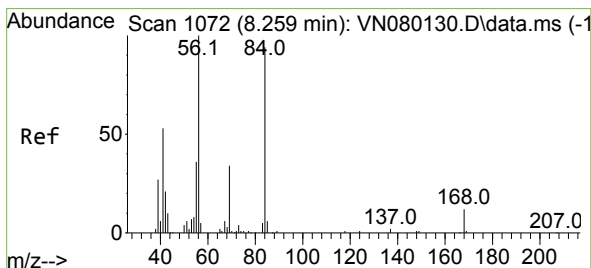
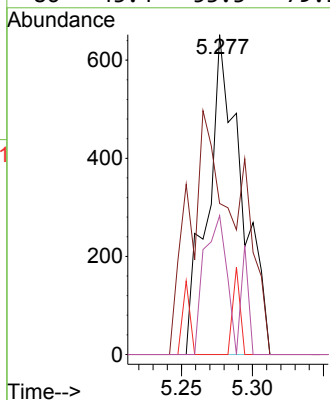


#20
Methylene Chloride
Concen: 0.540 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :

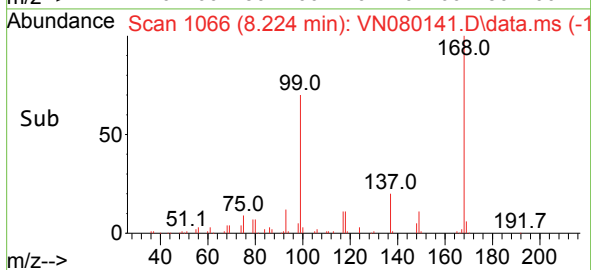
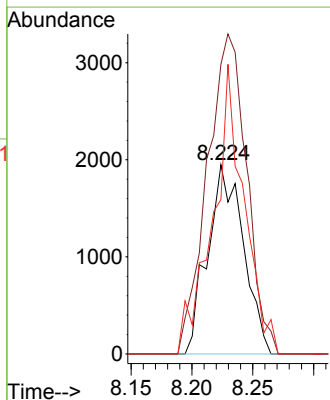
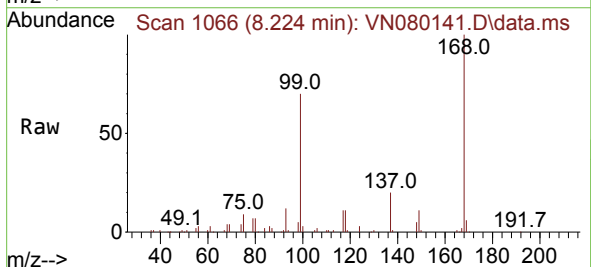


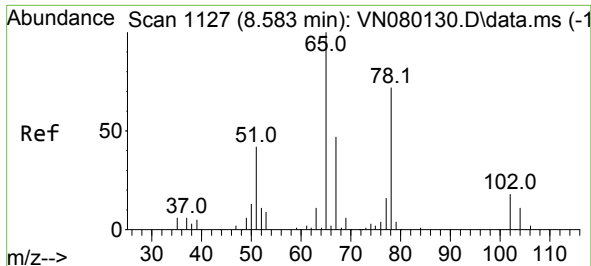
Tgt Ion:	84	Resp:	1082
Ion	Ratio	Lower	Upper
84	100		
49	47.2	79.7	119.5#
51	0.0	25.2	37.8#
86	43.4	53.3	79.9#



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Tgt Ion:	56	Resp:	3976
Ion	Ratio	Lower	Upper
56	100		
69	153.0	26.8	40.2#
84	81.6	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.177 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

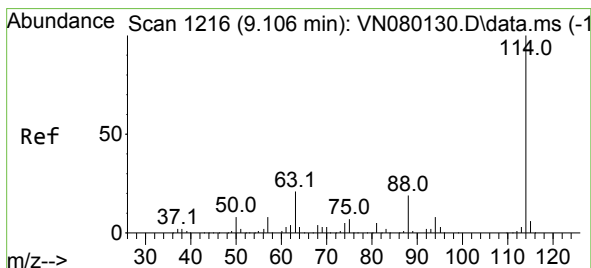
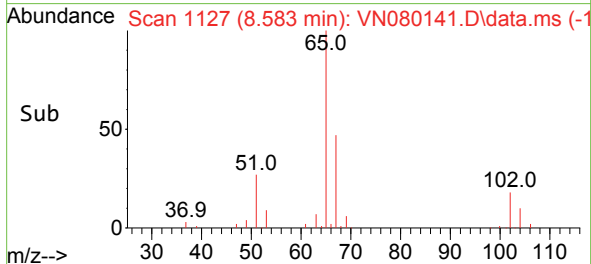
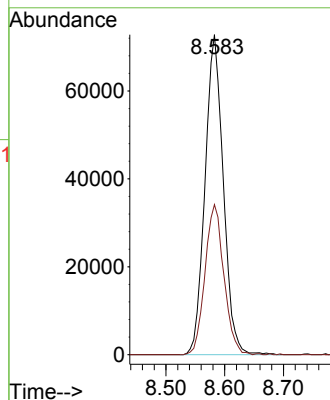
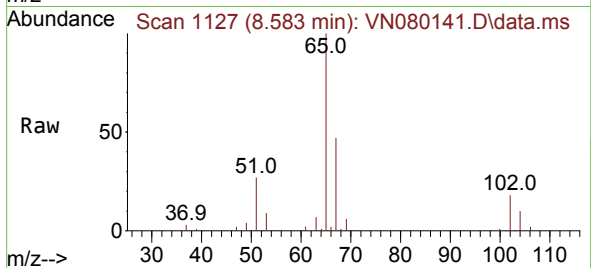
ClientSampleId :

Tgt Ion: 65 Resp: 157295

Ion Ratio Lower Upper

65 100

67 48.4 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: VN080141.D

Acq: 16 Nov 2023 18:22

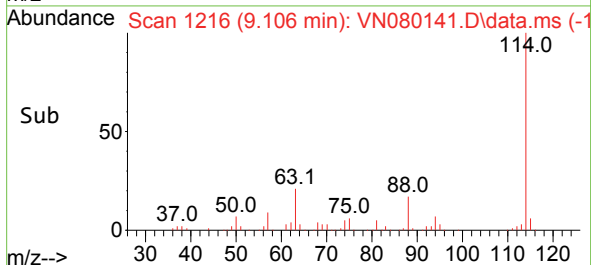
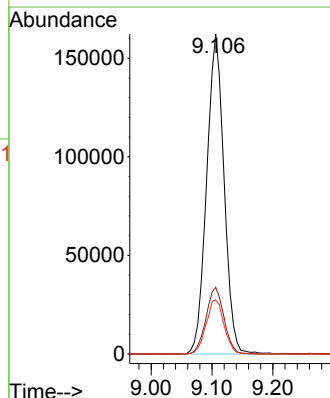
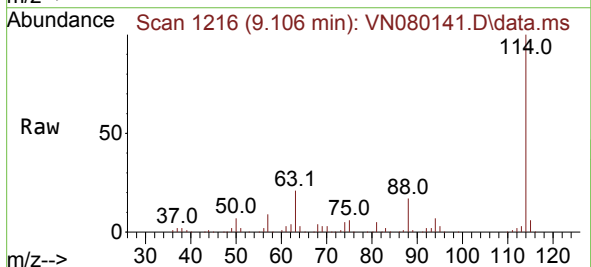
Tgt Ion: 114 Resp: 321681

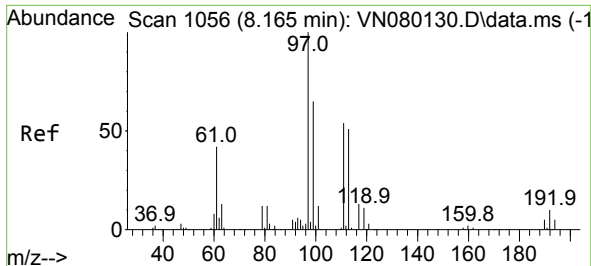
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 16.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.249 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

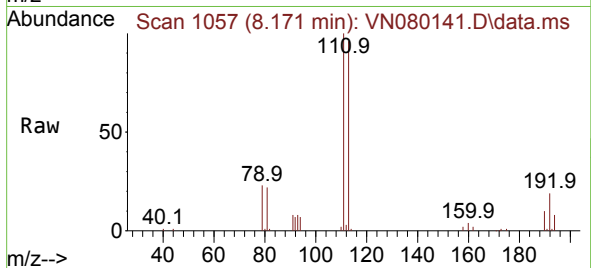
Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :



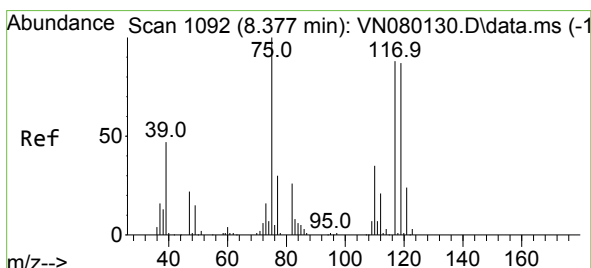
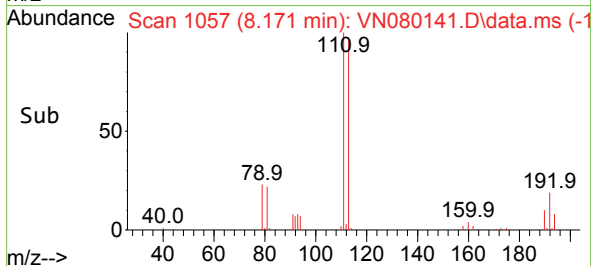
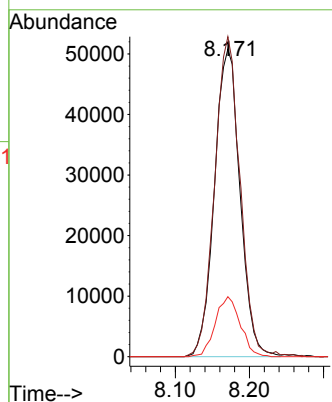
Tgt Ion:113 Resp: 121644

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 19.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.384 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

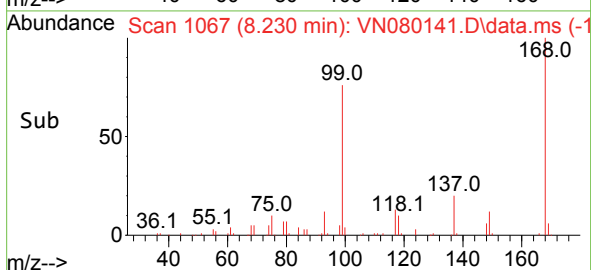
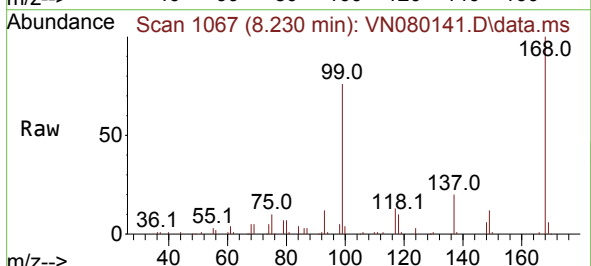
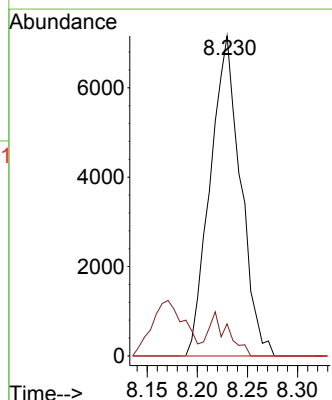
Tgt Ion: 75 Resp: 15066

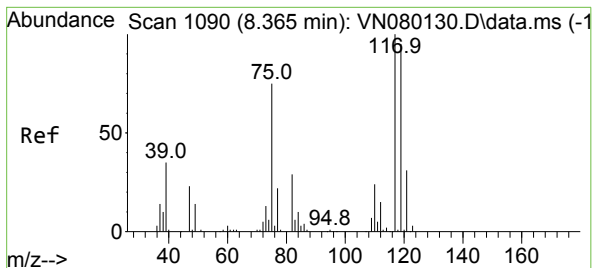
Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.503 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

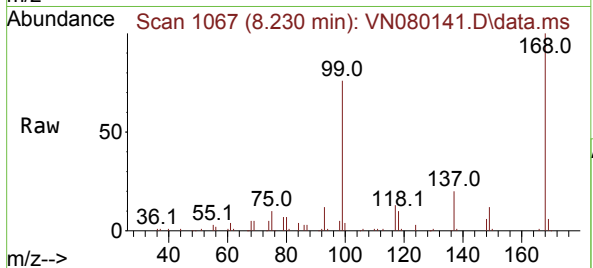
Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :



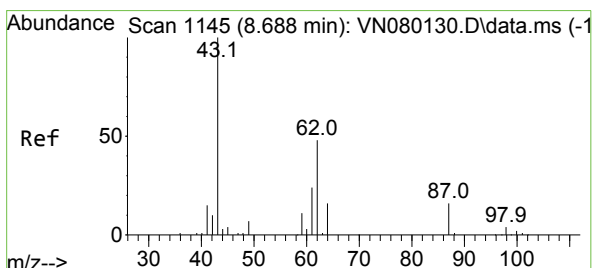
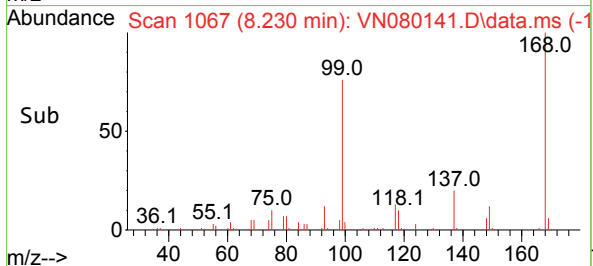
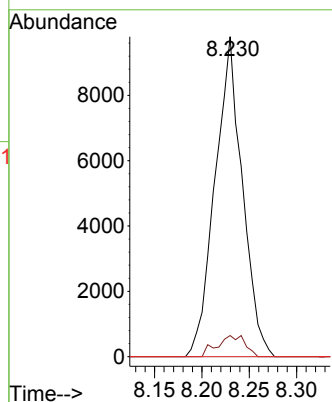
Tgt Ion:117 Resp: 19639

Ion Ratio Lower Upper

117 100

119 6.6 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.239 ug/l

RT: 8.706 min Scan# 1148

Delta R.T. 0.018 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

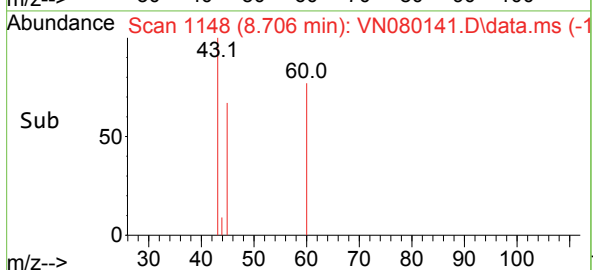
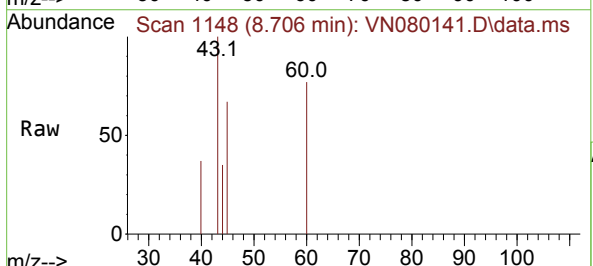
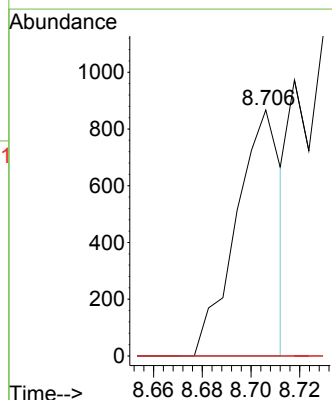
Tgt Ion: 43 Resp: 1110

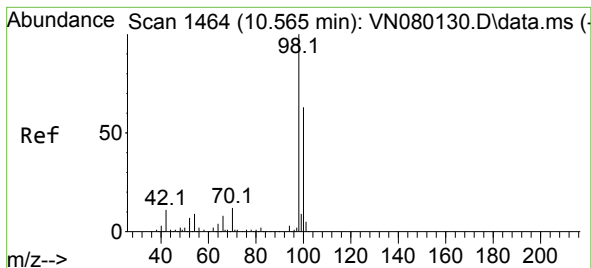
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 49.043 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

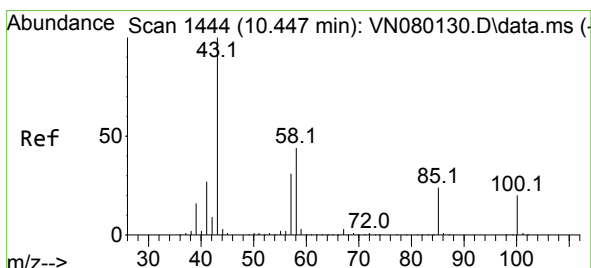
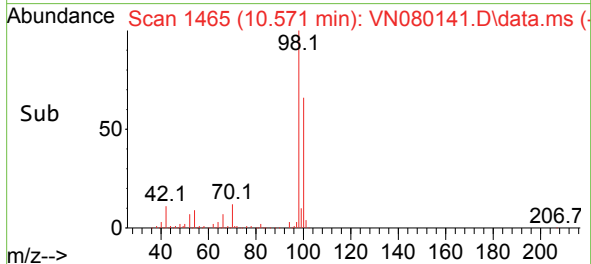
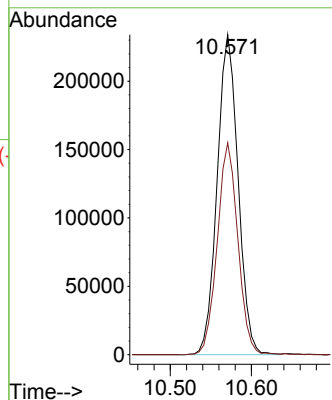
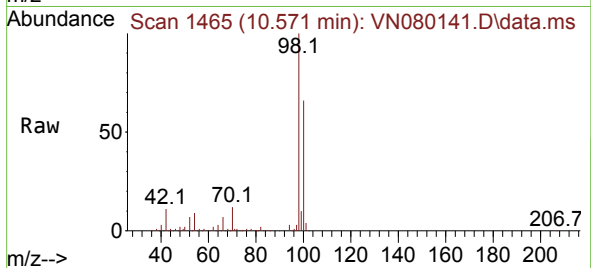
ClientSampleId :

Tgt Ion: 98 Resp: 419628

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.347 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN080141.D

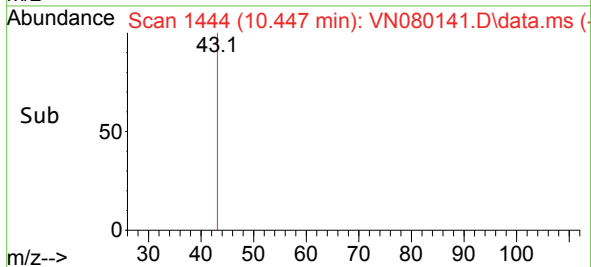
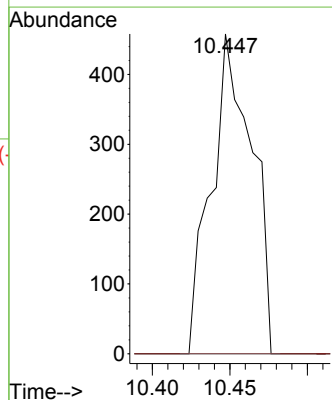
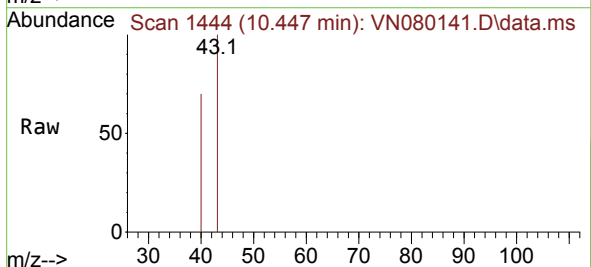
Acq: 16 Nov 2023 18:22

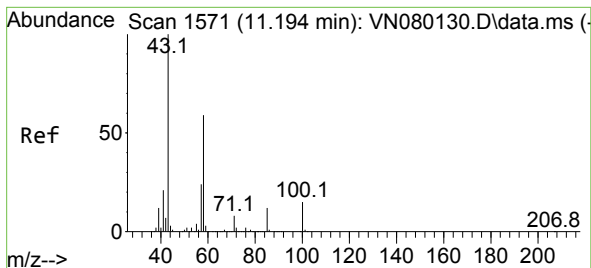
Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

43 100

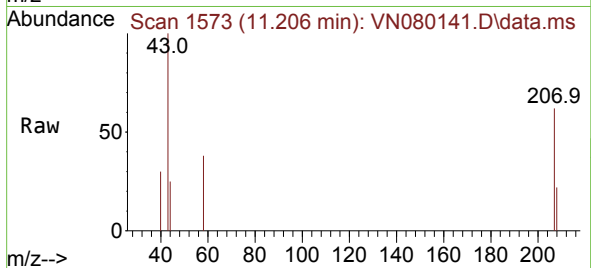
58 0.0 36.6 54.8#



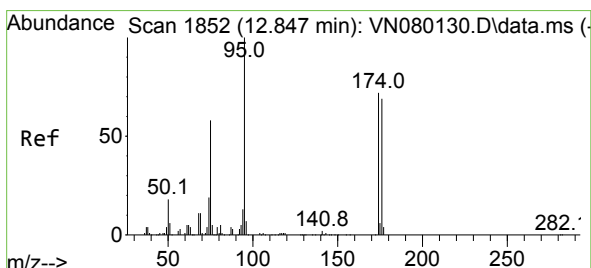
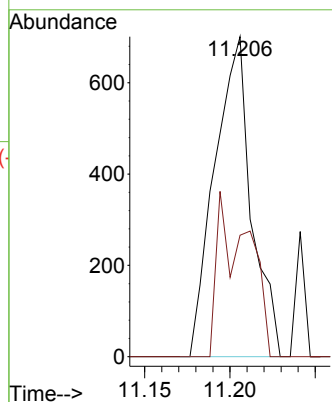
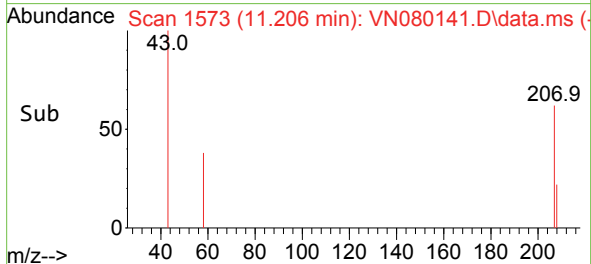


#59
2-Hexanone
Concen: 0.545 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :

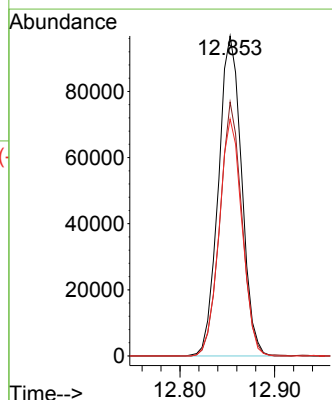
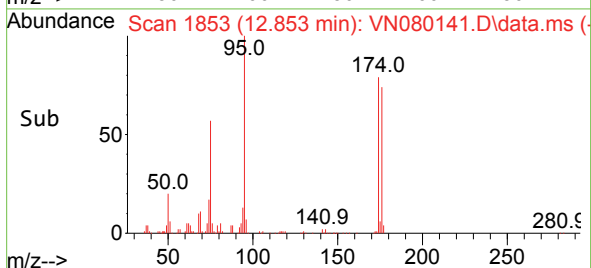
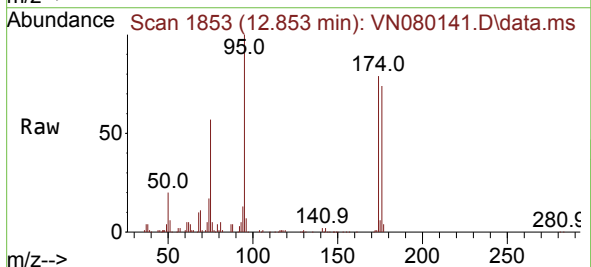


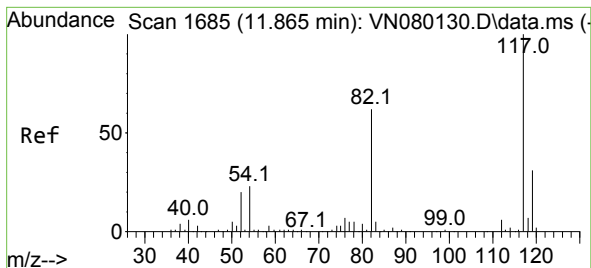
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 43.1 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 50.958 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Tgt Ion: 95 Resp: 164688
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 73.1 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :

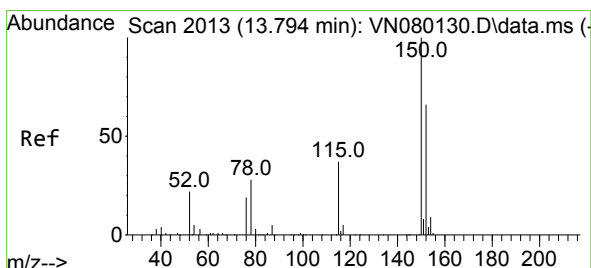
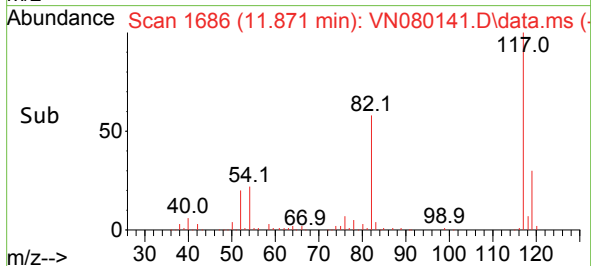
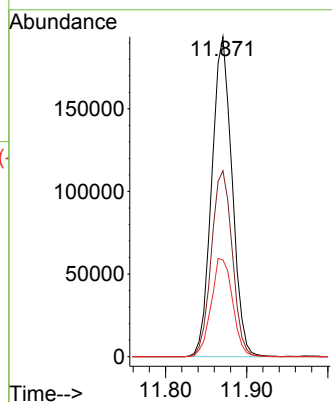
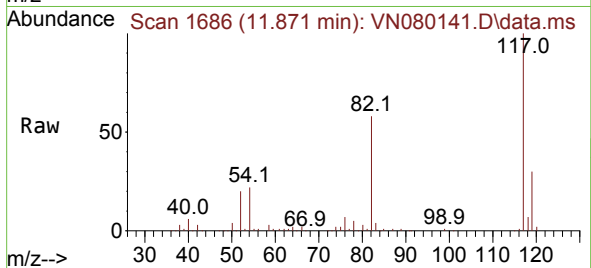
Tgt Ion:117 Resp: 336473

Ion Ratio Lower Upper

117 100

82 58.1 44.0 66.0

119 30.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

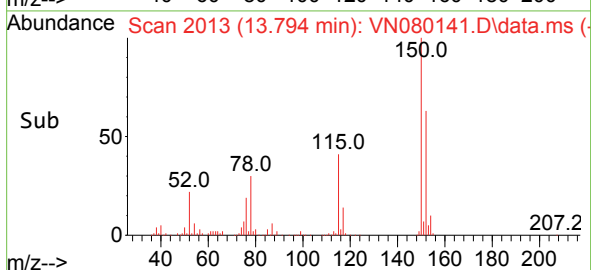
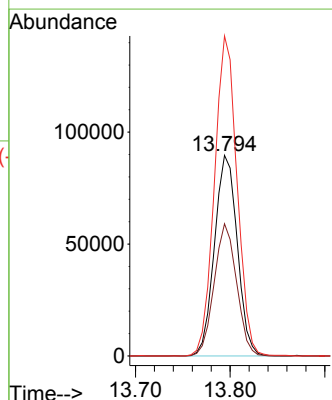
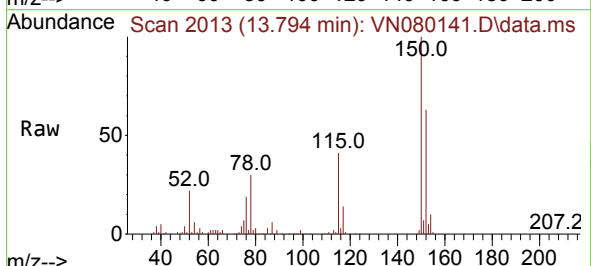
Tgt Ion:152 Resp: 149933

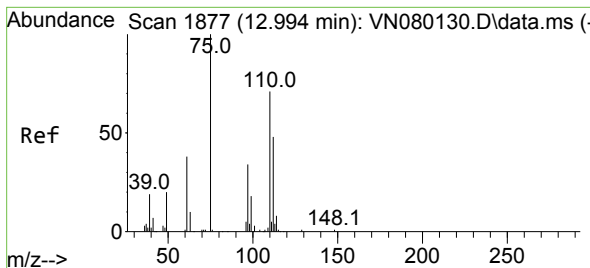
Ion Ratio Lower Upper

152 100

115 64.7 32.3 96.8

150 158.1 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 24.893 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

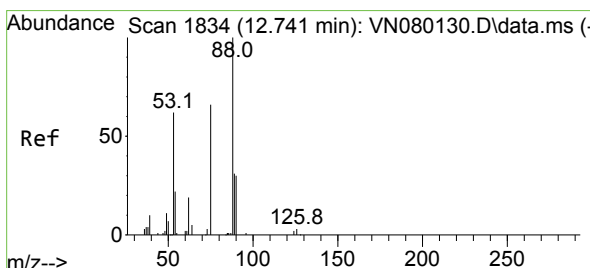
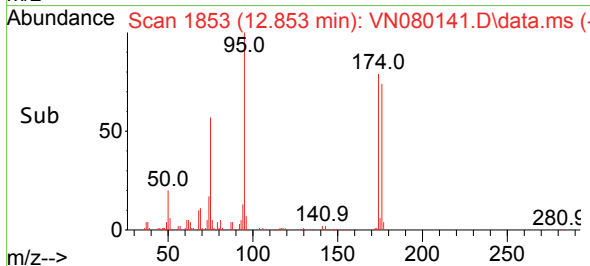
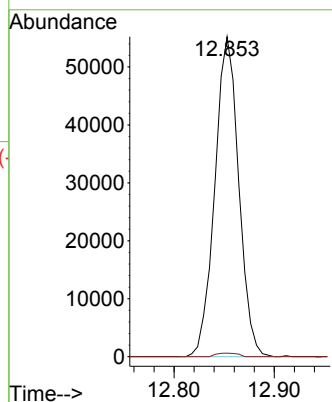
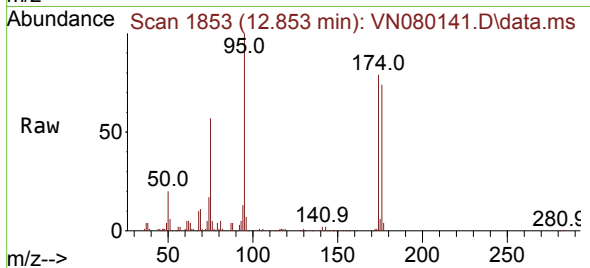
ClientSampleId :

Tgt Ion: 75 Resp: 91449

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.105 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

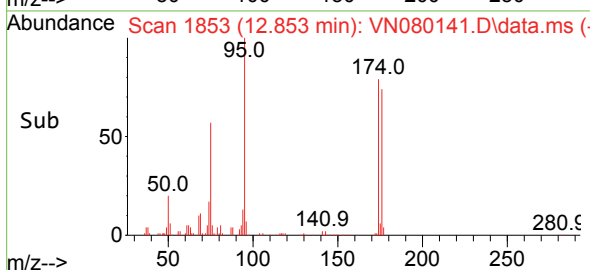
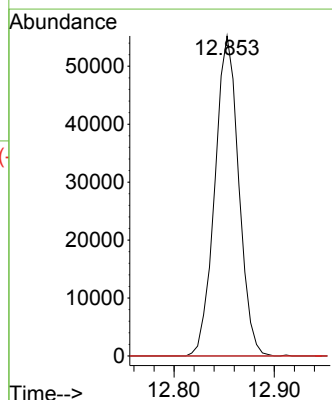
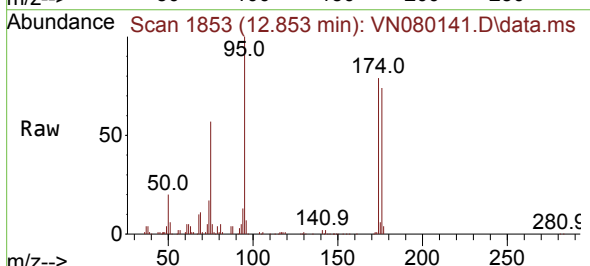
Tgt Ion: 75 Resp: 91449

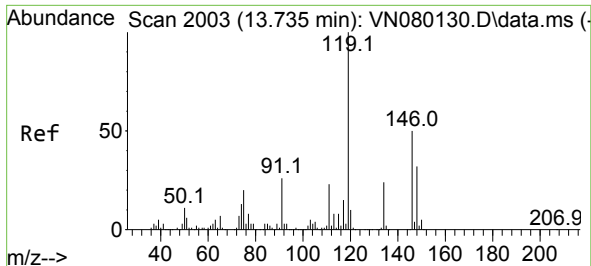
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

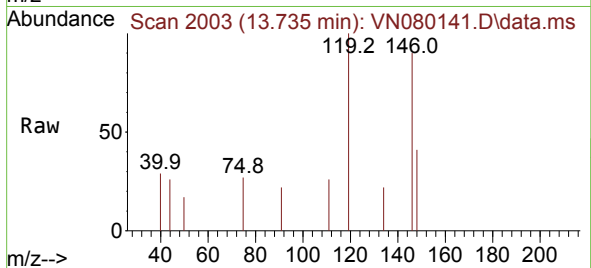
89 0.0 38.8 58.2#



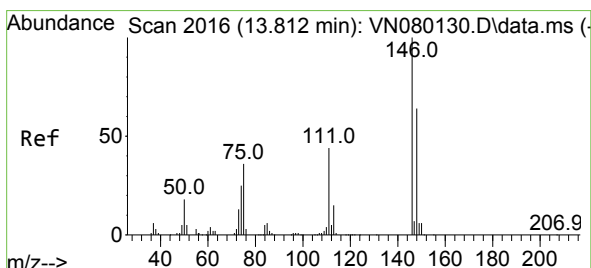
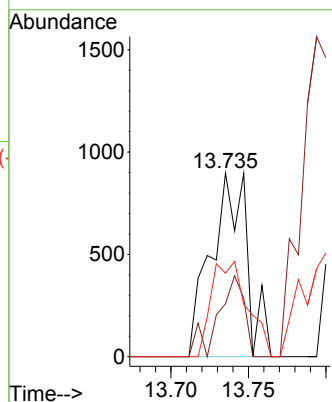
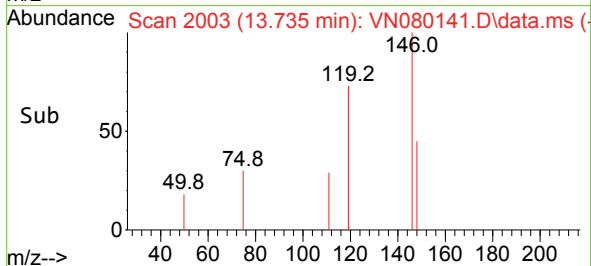


#87
1,3-Dichlorobenzene
Concen: 0.274 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

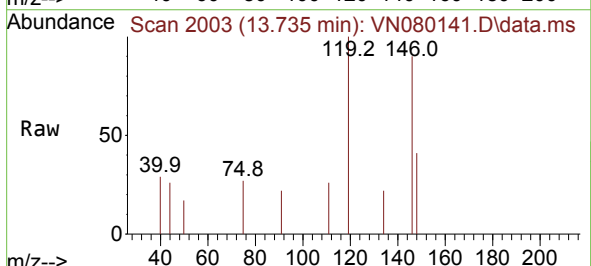
Instrument :
MSVOA_N
ClientSampleId :



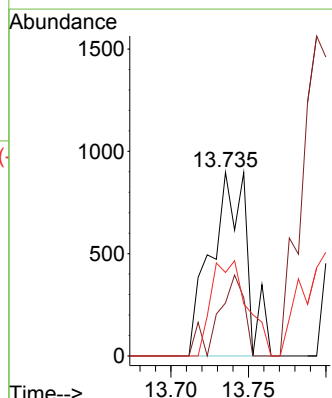
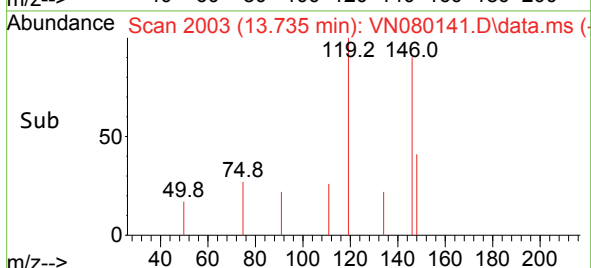
Tgt Ion:146 Resp: 1450
Ion Ratio Lower Upper
146 100
111 31.9 22.1 66.3
148 52.2 32.0 96.0

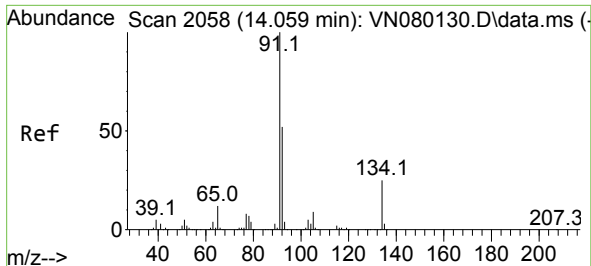


#88
1,4-Dichlorobenzene
Concen: 0.273 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.076 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22



Tgt Ion:146 Resp: 1450
Ion Ratio Lower Upper
146 100
111 31.9 20.6 61.8
148 52.2 31.6 94.8





#89

n-Butylbenzene

Concen: 0.275 ug/l

RT: 14.065 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN080141.D

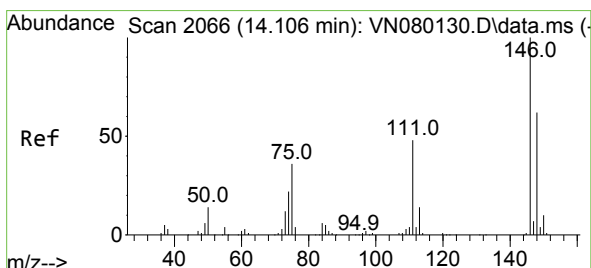
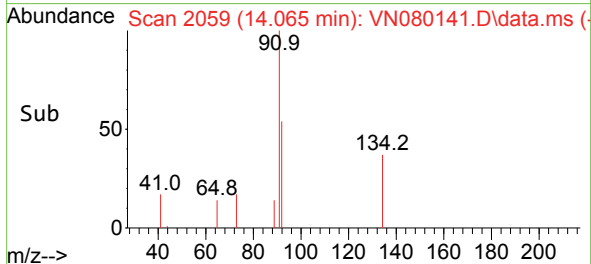
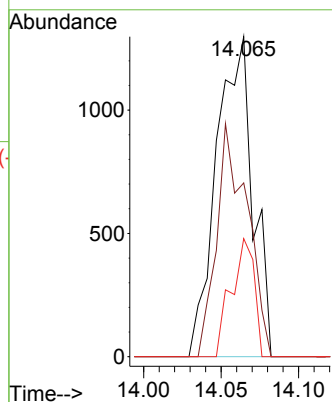
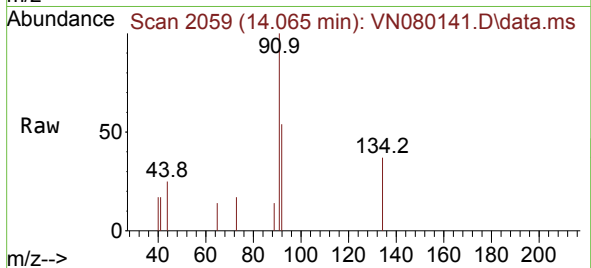
Acq: 16 Nov 2023 18:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	2116
Ion Ratio	Lower	Upper
91	100	
92	61.2	26.4 79.0
134	23.3	12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 0.231 ug/l

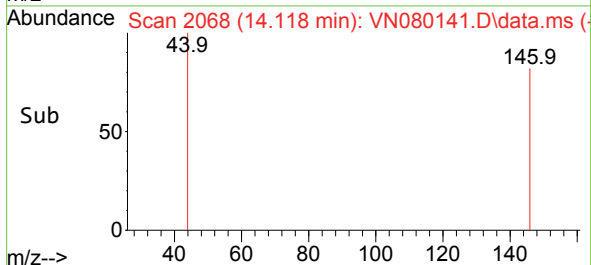
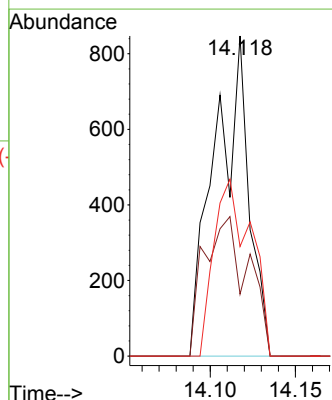
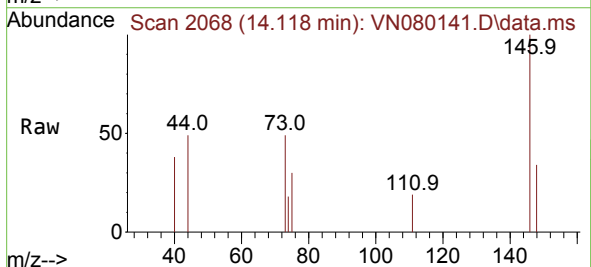
RT: 14.118 min Scan# 2068

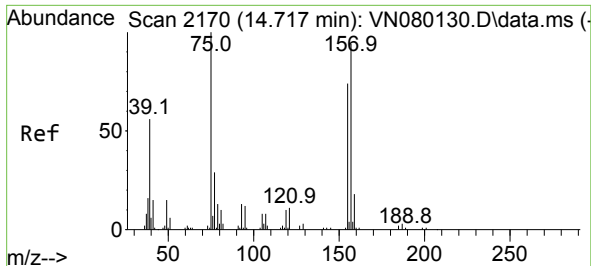
Delta R.T. 0.012 min

Lab File: VN080141.D

Acq: 16 Nov 2023 18:22

Tgt Ion: 146	Resp:	1171
Ion Ratio	Lower	Upper
146	100	
111	56.1	22.0 66.0
148	60.5	31.8 95.3

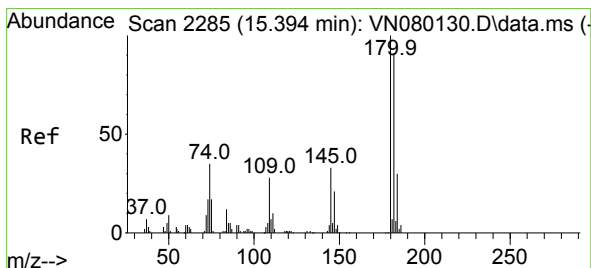
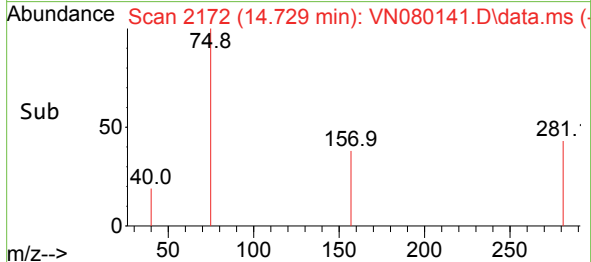
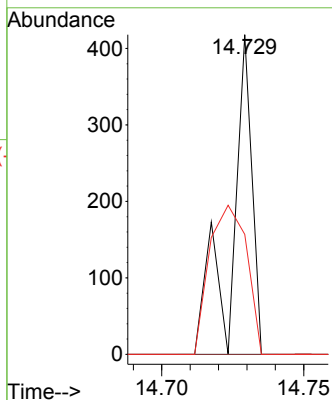
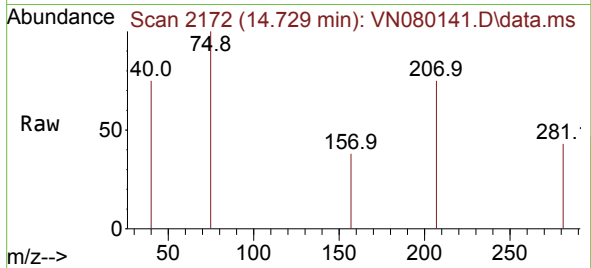




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.258 ug/l
RT: 14.729 min Scan# 2170
Delta R.T. 0.012 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

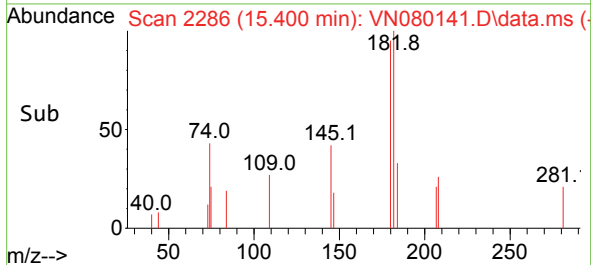
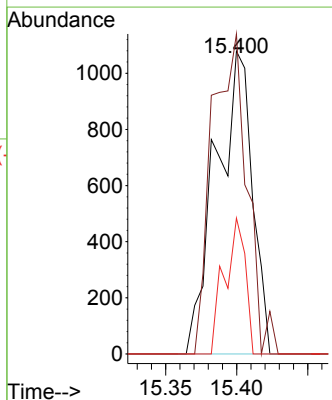
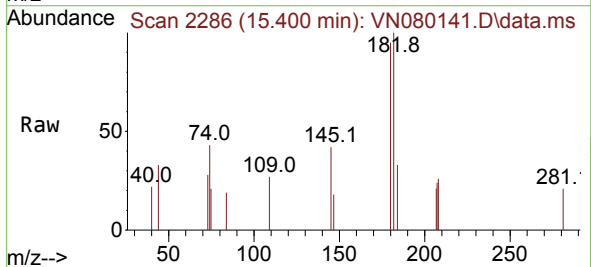
Instrument :
MSVOA_N
ClientSampleId :

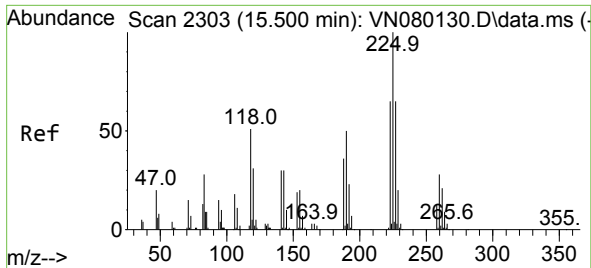
Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 85.2 50.3 150.9



#93
1,2,4-Trichlorobenzene
Concen: 0.652 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

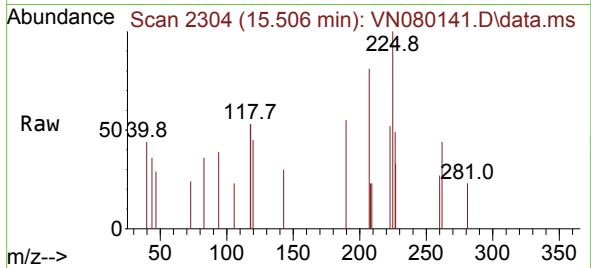
Tgt Ion: 180 Resp: 1921
Ion Ratio Lower Upper
180 100
182 101.2 46.1 138.2
145 25.5 16.6 49.8



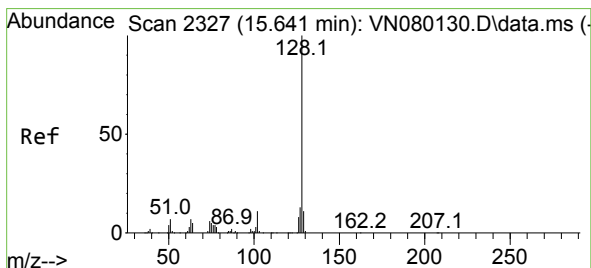
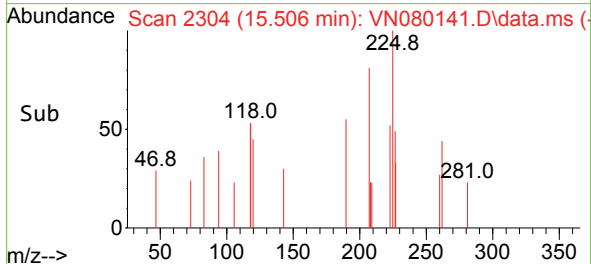
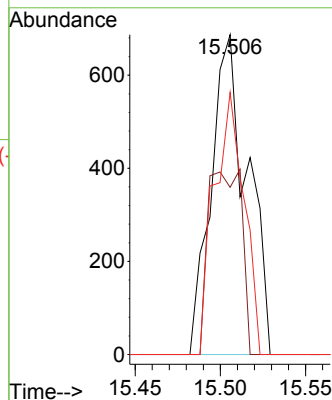


#94
Hexachlorobutadiene
Concen: 0.601 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

Instrument :
MSVOA_N
ClientSampleId :

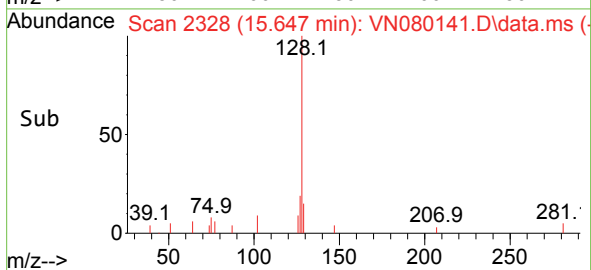
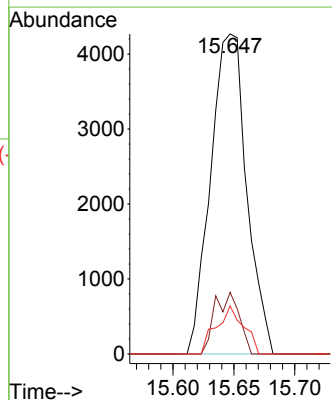
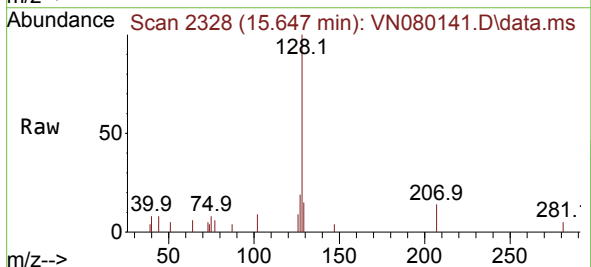


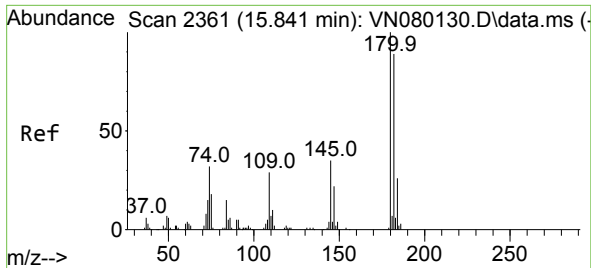
Tgt Ion:225 Resp: 1019
Ion Ratio Lower Upper
225 100
223 53.1 31.3 93.8
227 67.1 31.9 95.9



#95
Naphthalene
Concen: 1.030 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080141.D
Acq: 16 Nov 2023 18:22

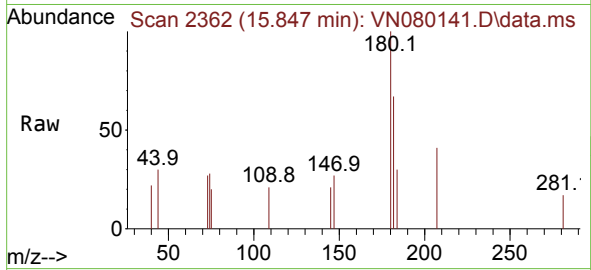
Tgt Ion:128 Resp: 8800
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 11.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.870 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080141.D
 Acq: 16 Nov 2023 18:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2402
Ion	Ratio	Lower	Upper
180	100		
182	86.9	46.2	138.6
145	27.5	17.5	52.6

