

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
 Data File : VN078680.D
 Acq On : 28 Jul 2023 13:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 29 00:46:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	699420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	1237955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	1126720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	389333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	442931	47.239	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.480%		
35) Dibromofluoromethane	8.177	113	433920	51.635	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.260%		
50) Toluene-d8	10.576	98	1507027	47.471	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.940%		
62) 4-Bromofluorobenzene	12.853	95	522998	53.484	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.960%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2981	0.320	ug/l #	87
5) Bromomethane	2.977	94	3929	Below Cal		94
6) Chloroethane	3.095	64	1981	Below Cal #		86
11) Tert butyl alcohol	5.536	59	2382	1.647	ug/l #	72
13) Acrolein	4.200	56	980	0.689	ug/l #	32
16) Acetone	4.459	43	4142	1.418	ug/l	97
18) Methyl Acetate	5.059	43	5007	0.405	ug/l #	84
20) Methylene Chloride	5.289	84	4409	Below Cal #		78
29) Tetrahydrofuran	7.865	42	689	0.228	ug/l #	39
31) Cyclohexane	8.235	56	12783	1.009	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	53861	4.439	ug/l #	49
38) Carbon Tetrachloride	8.235	117	73022	5.537	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	4221	0.345	ug/l	78
43) Isopropyl Acetate	8.718	43	18149	1.090	ug/l #	53
46) Dibromomethane	9.724	93	1366	0.213	ug/l #	75
49) 1,4-Dioxane	9.724	88	140	0.832	ug/l #	1
51) 4-Methyl-2-Pentanone	10.459	43	5483	0.554	ug/l #	86
53) t-1,3-Dichloropropene	10.847	75	4844	0.368	ug/l #	73
59) 2-Hexanone	11.206	43	8087	1.149	ug/l	89
60) Dibromochloromethane	11.359	129	3119	0.322	ug/l	99
61) 1,2-Dibromoethane	11.476	107	2494	0.276	ug/l	97
64) Tetrachloroethene	11.118	164	3198	0.378	ug/l #	58
67) Ethyl Benzene	11.970	91	13458	0.316	ug/l	90
68) m/p-Xylenes	12.076	106	6361	0.404	ug/l	94
69) o-Xylene	12.406	106	3668	0.231	ug/l	93
70) Styrene	12.418	104	9099	0.366	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.947	83	665	Below Cal #		82
76) 1,2,3-Trichloropropane	12.853	75	252752	26.858	ug/l #	1
77) Bromobenzene	13.000	156	719	Below Cal #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	252752	70.578	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	10778	0.384	ug/l	96
87) 1,3-Dichlorobenzene	13.817	146	21088	1.502	ug/l	85
88) 1,4-Dichlorobenzene	13.817	146	21088	1.491	ug/l #	84
90) Hexachloroethane	14.329	117	380	Below Cal #		43
91) 1,2-Dichlorobenzene	14.111	146	12854	0.920	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.735	75	2639	Below Cal		84

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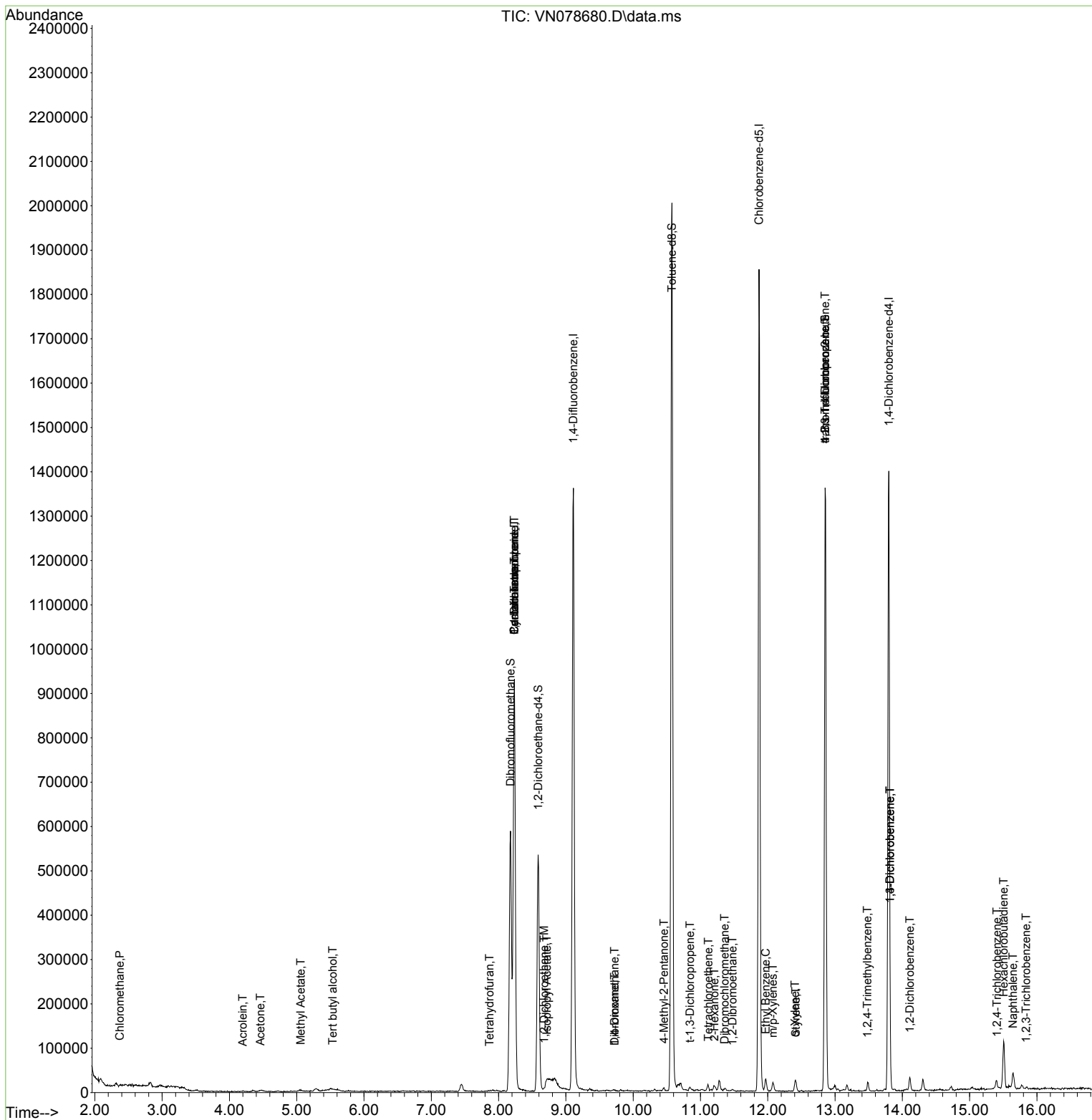
Instrument :
MSVOA_N
ClientSampleId :
IBLK

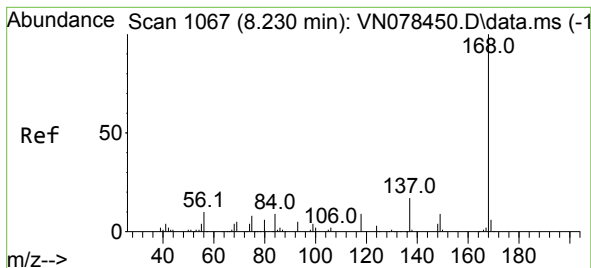
Quant Time: Jul 29 00:46:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.406	180	6294	1.411	ug/l	91
94) Hexachlorobutadiene	15.506	225	22188	5.970	ug/l	99
95) Naphthalene	15.647	128	32593	2.137	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1522	0.297	ug/l #	76

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN078680.D

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Instrument :

MSVOA_N

ClientSampleId :

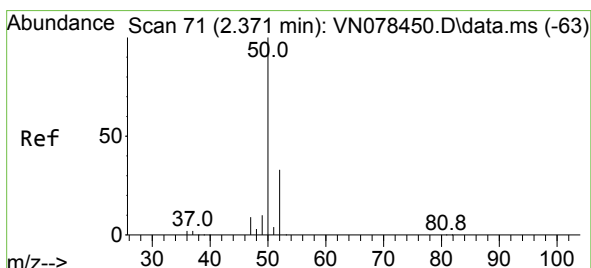
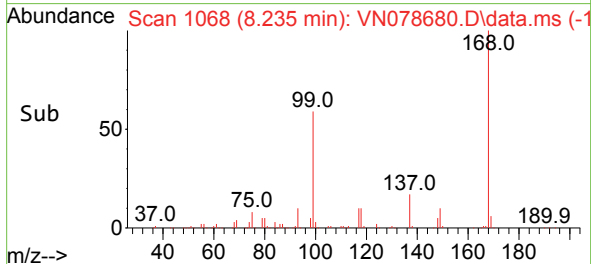
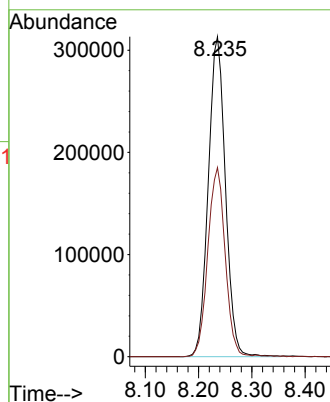
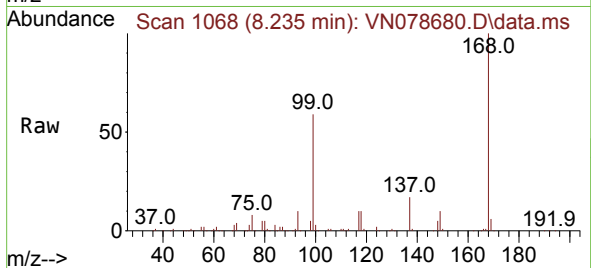
IBLK

Tgt Ion:168 Resp: 699420

Ion Ratio Lower Upper

168 100

99 59.1 53.0 79.6



#3

Chloromethane

Concen: 0.320 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078680.D

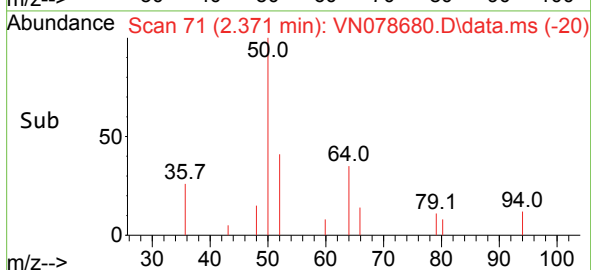
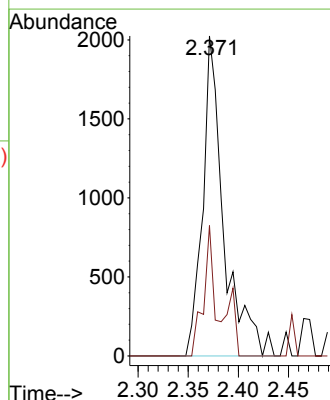
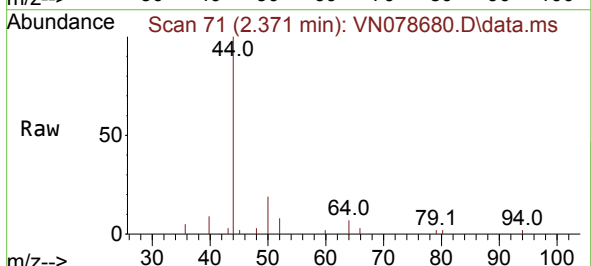
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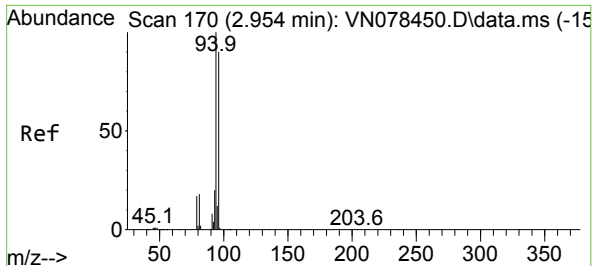
Tgt Ion: 50 Resp: 2981

Ion Ratio Lower Upper

50 100

52 40.7 26.5 39.7#

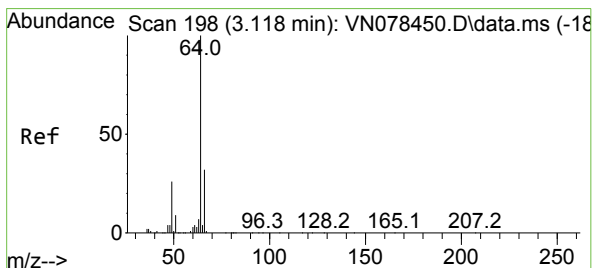
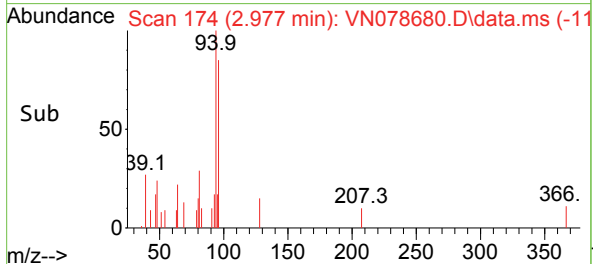
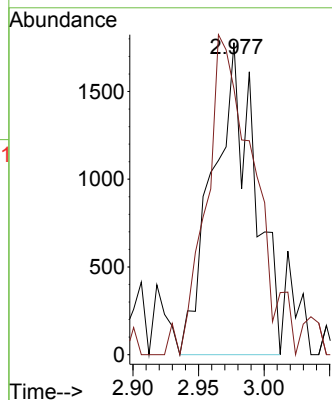
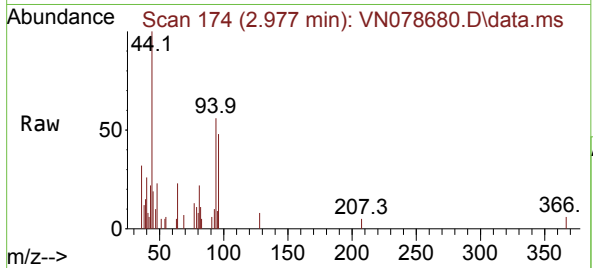




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

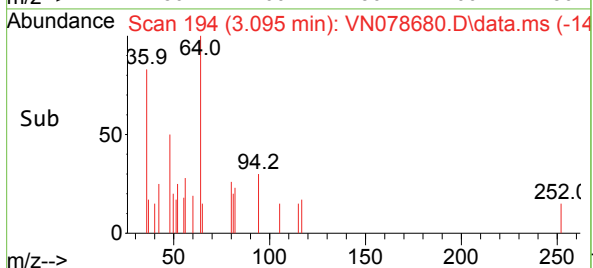
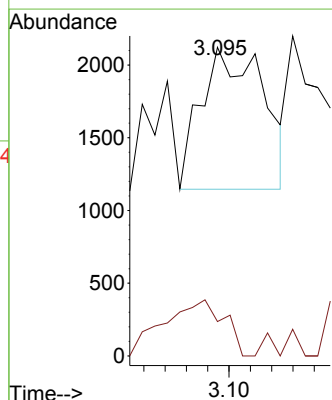
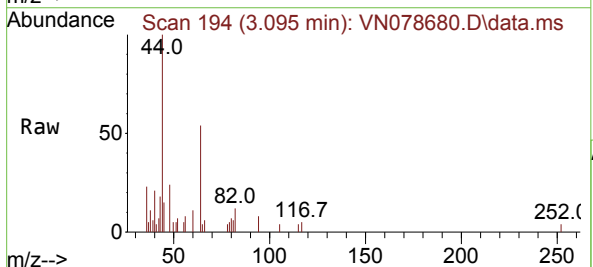
Instrument :
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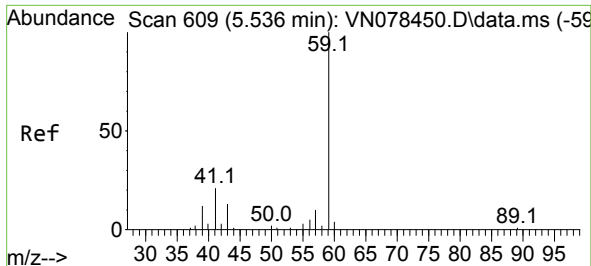
Tgt Ion: 94 Resp: 3929
Ion Ratio Lower Upper
94 100
96 85.3 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 194
Delta R.T. -0.023 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 64 Resp: 1981
Ion Ratio Lower Upper
64 100
66 24.3 25.4 38.2#

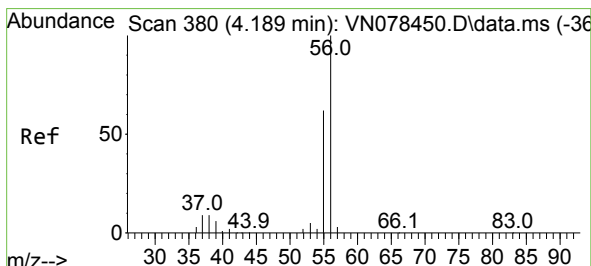
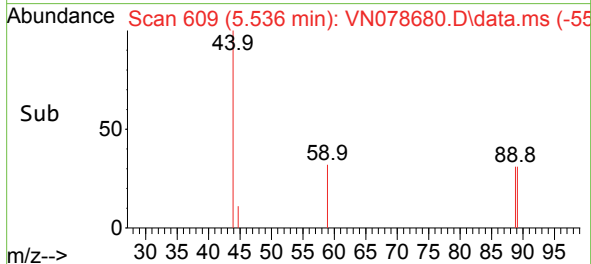
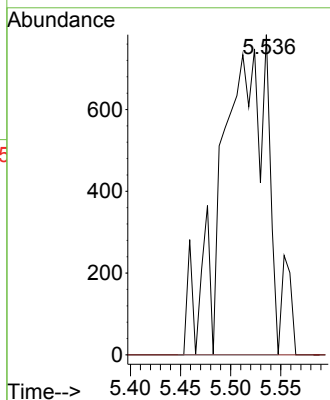
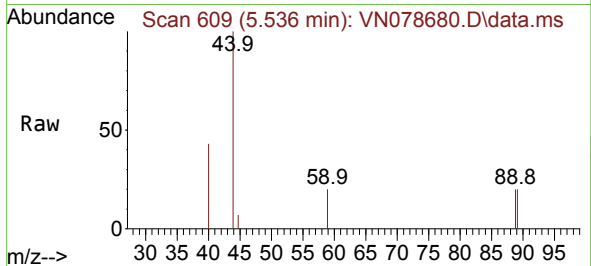




#11
Tert butyl alcohol
Concen: 1.647 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

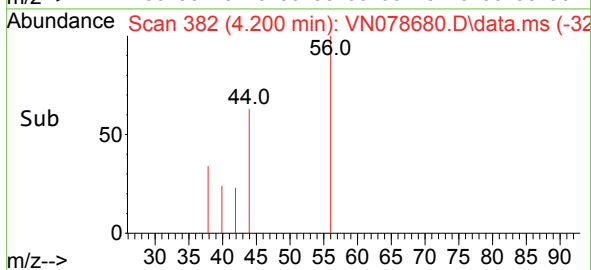
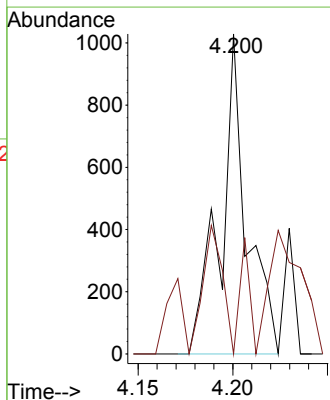
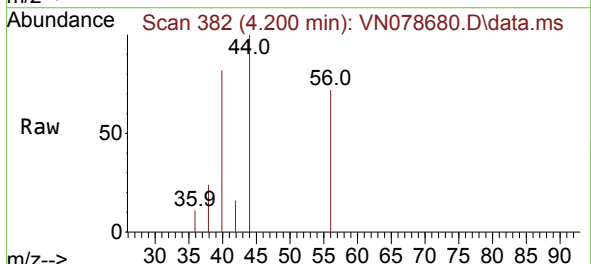
Instrument :
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ClientSampleId :
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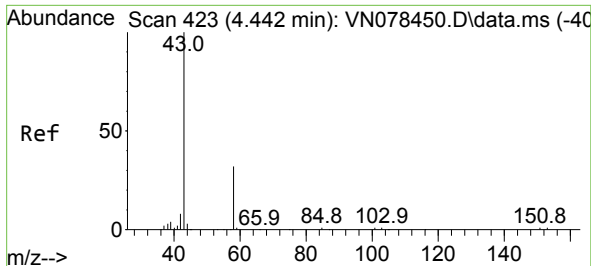
Tgt Ion: 59 Resp: 2382
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.689 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 56 Resp: 980
Ion Ratio Lower Upper
56 100
55 13.5 54.5 81.7#

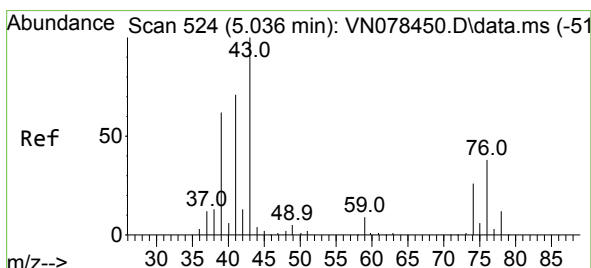
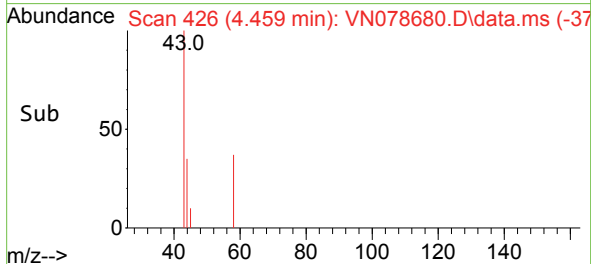
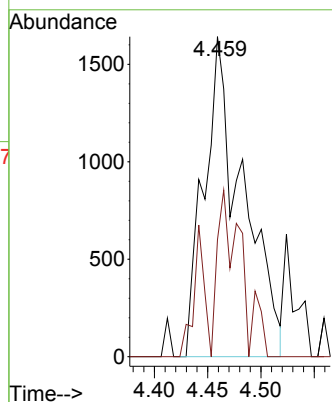
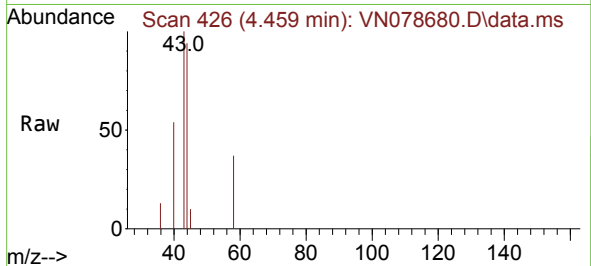




#16
Acetone
Concen: 1.418 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

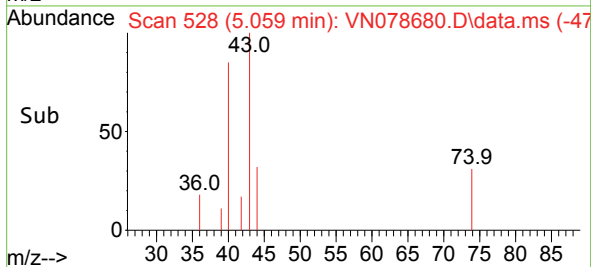
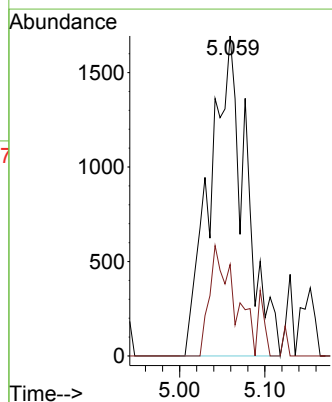
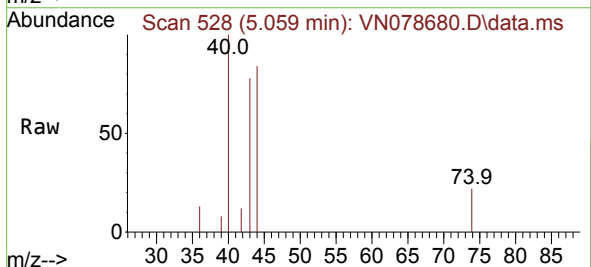
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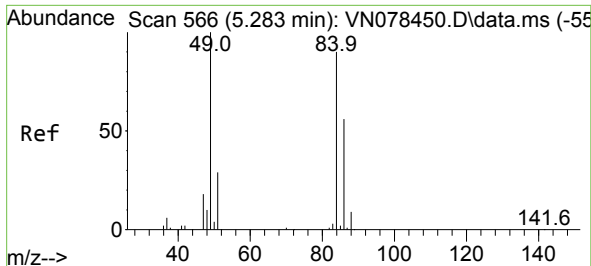
Tgt Ion: 43 Resp: 4142
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 5.059 min Scan# 528
Delta R.T. 0.023 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 43 Resp: 5007
Ion Ratio Lower Upper
43 100
74 23.8 26.2 39.4#

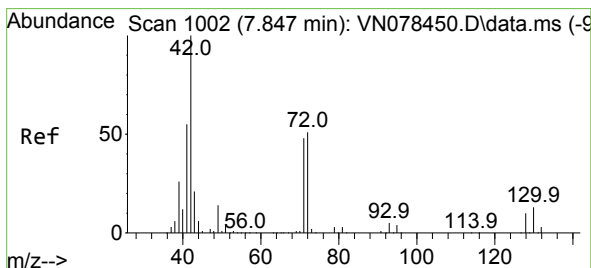
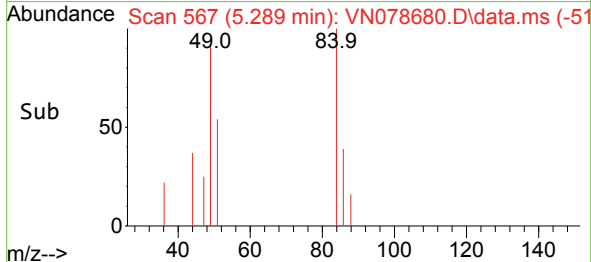
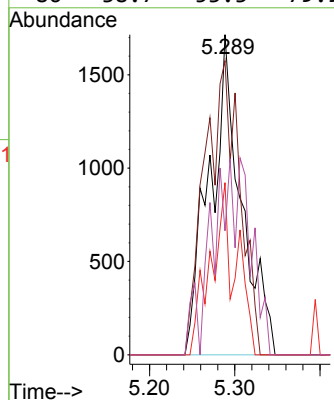
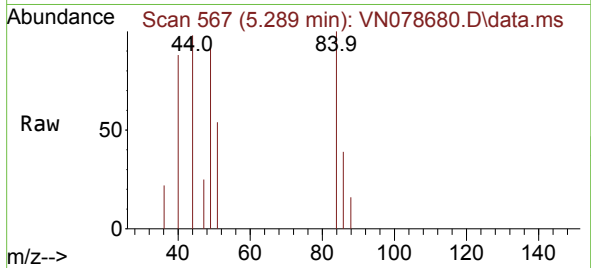




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

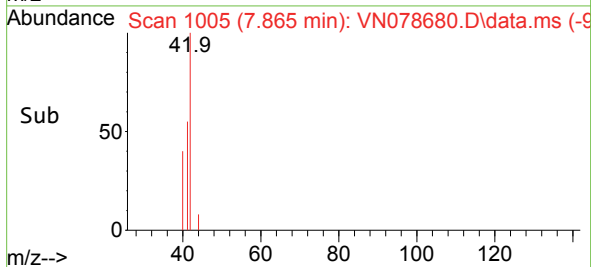
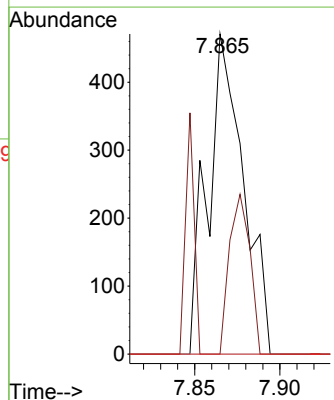
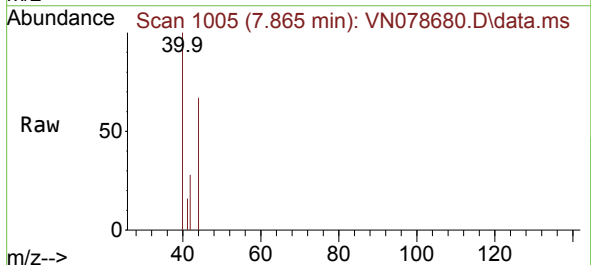
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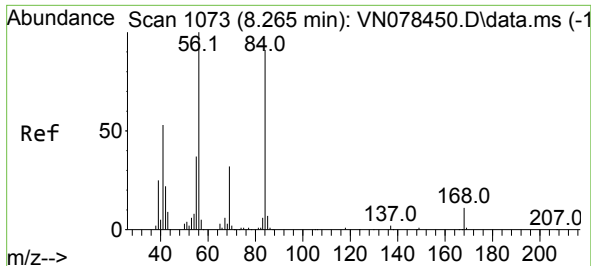
Tgt Ion:	84	Resp:	4409
Ion	Ratio	Lower	Upper
84	100		
49	91.8	79.7	119.5
51	53.8	25.2	37.8#
86	38.7	53.3	79.9#



#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.018 min
Lab File: VN078680.D
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Tgt Ion:	42	Resp:	689
Ion	Ratio	Lower	Upper
42	100		
72	28.6	49.8	74.6#
71	0.0	47.4	71.2#

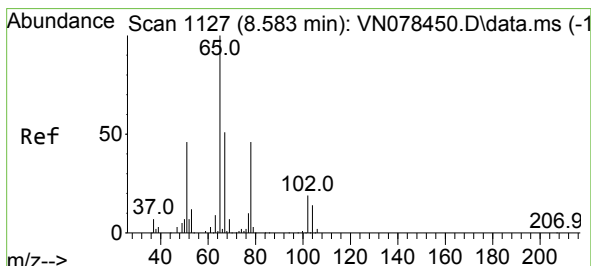
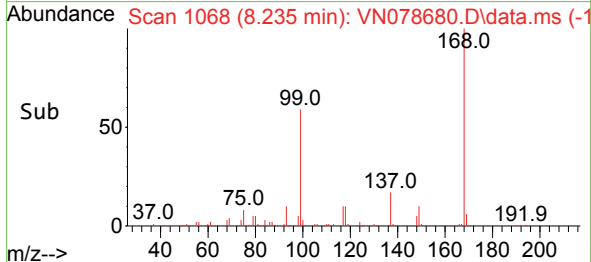
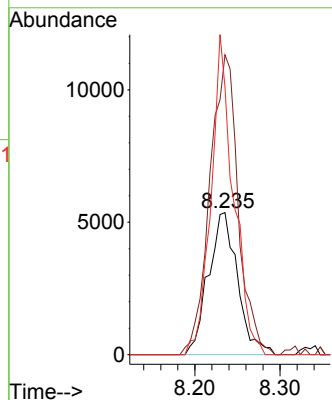
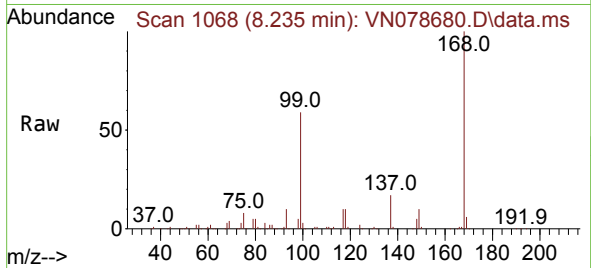




#31
Cyclohexane
Concen: 1.009 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

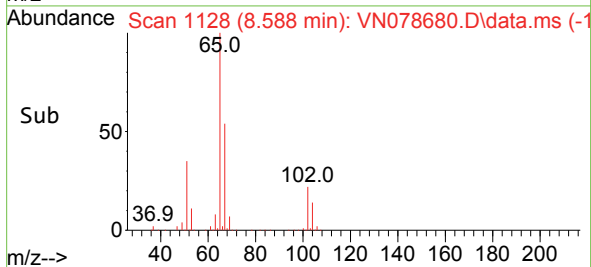
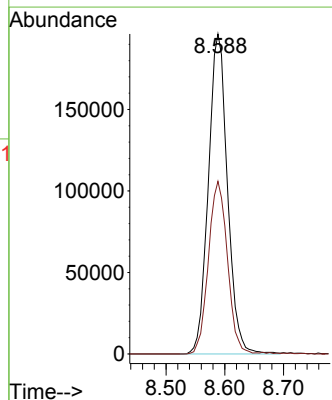
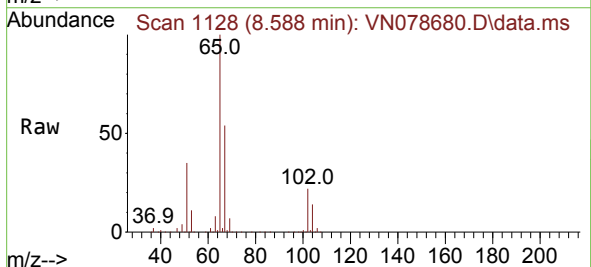
Instrument :
MSVOA_N
ClientSampleId :
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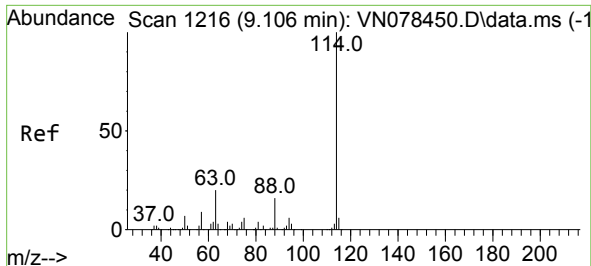
Tgt Ion: 56 Resp: 12783
Ion Ratio Lower Upper
56 100
69 211.0 26.8 40.2#
84 188.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 47.239 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 65 Resp: 442931
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6

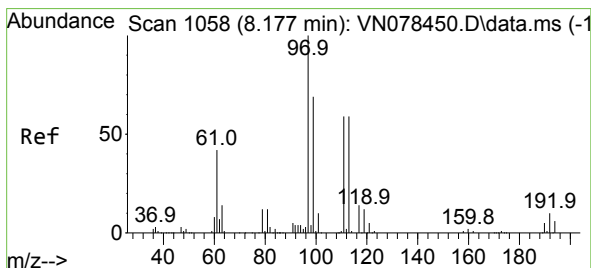
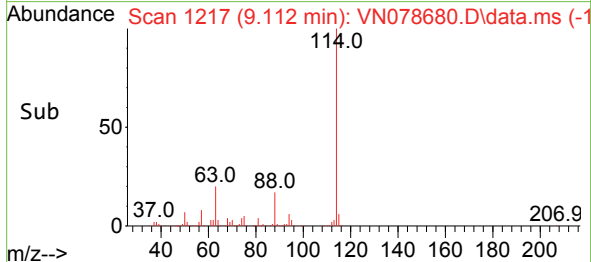
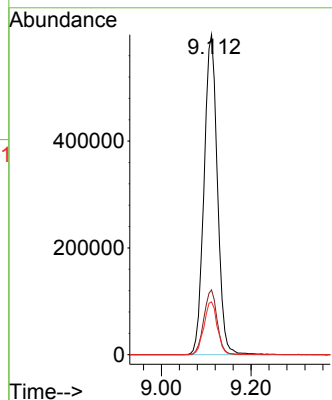
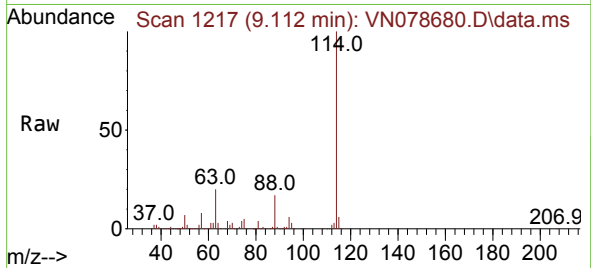




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

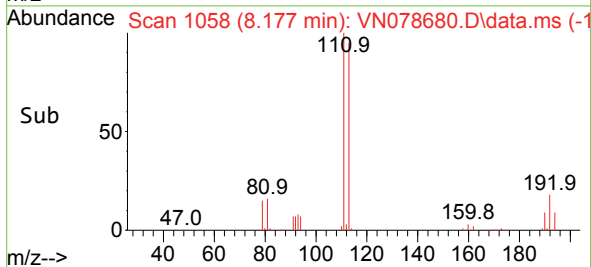
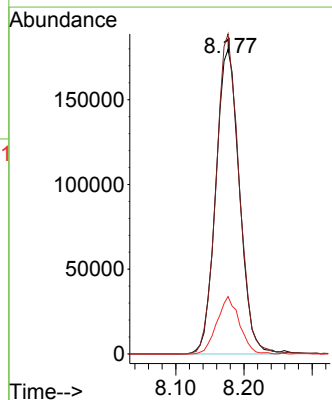
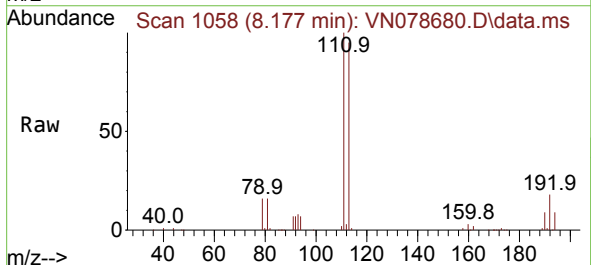
Instrument :
MSVOA_N
ClientSampleId :
IBLK

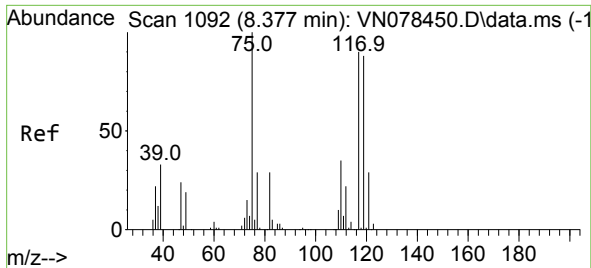
Tgt Ion:114 Resp: 1237955
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.635 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion:113 Resp: 433920
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 17.9 12.7 19.1

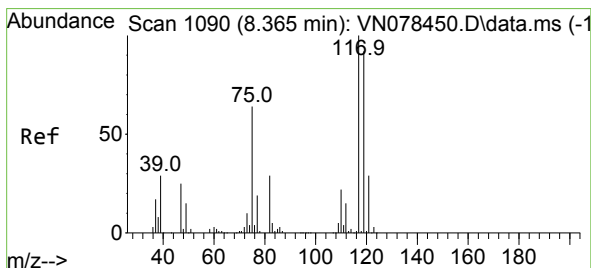
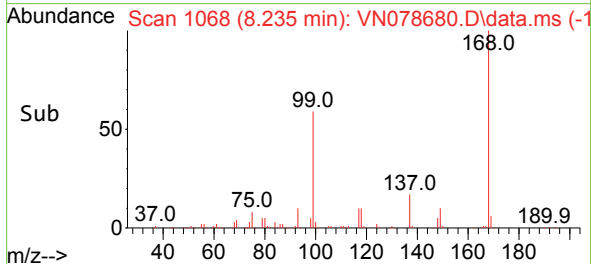
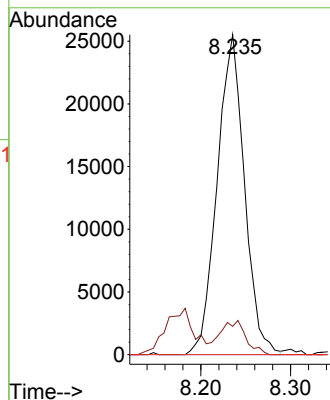
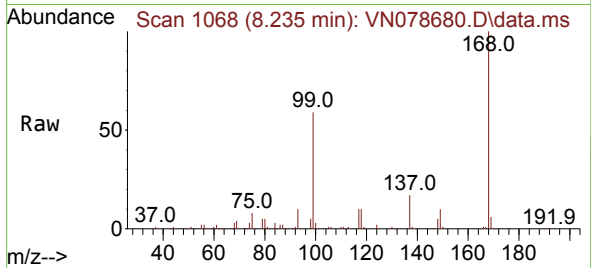




#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

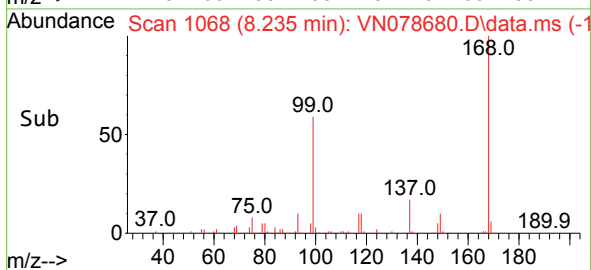
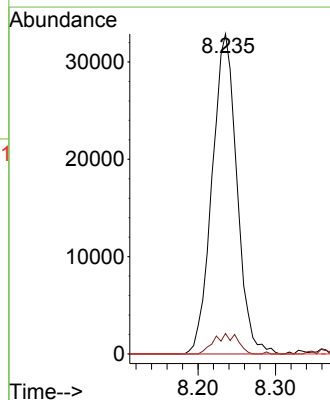
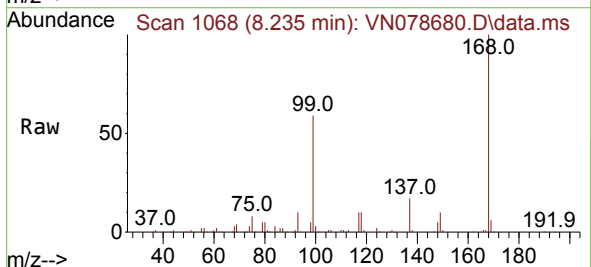
Instrument :
MSVOA_N
ClientSampleId :
IBLK

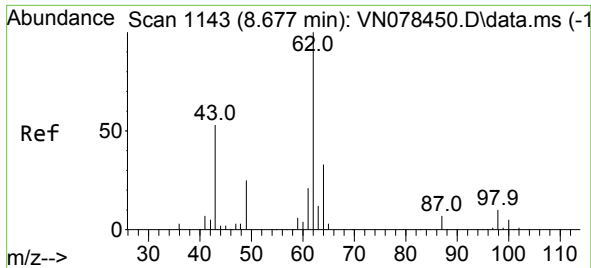
Tgt Ion: 75 Resp: 53861
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.537 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.130 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 117 Resp: 73022
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.345 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

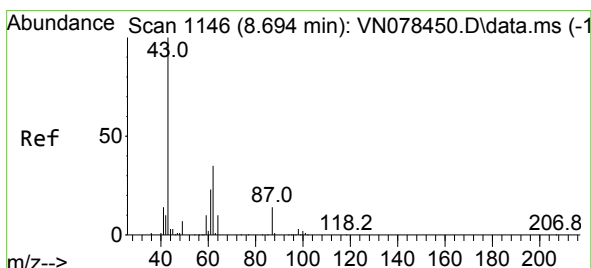
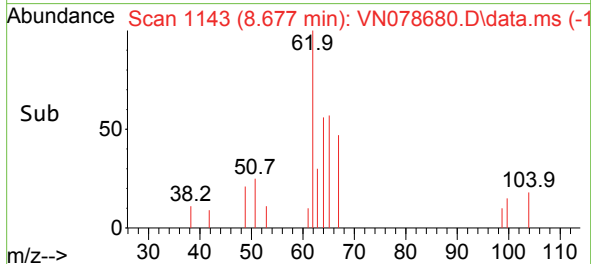
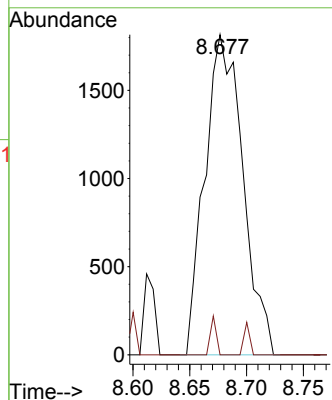
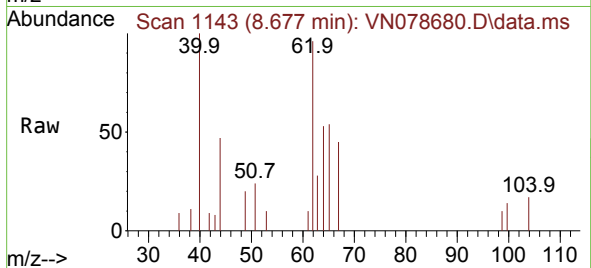
IBLK

Tgt Ion: 62 Resp: 4221

Ion Ratio Lower Upper

62 100

98 1.8 0.0 19.8



#43

Isopropyl Acetate

Concen: 1.090 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.024 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

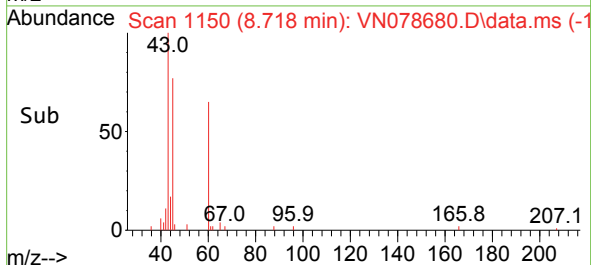
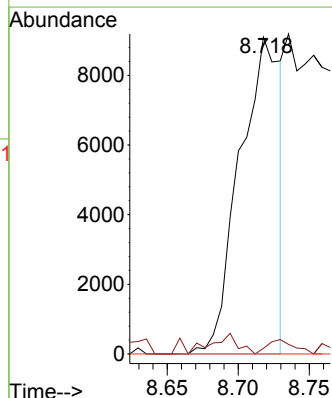
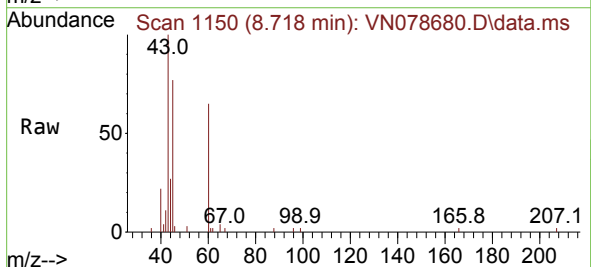
Tgt Ion: 43 Resp: 18149

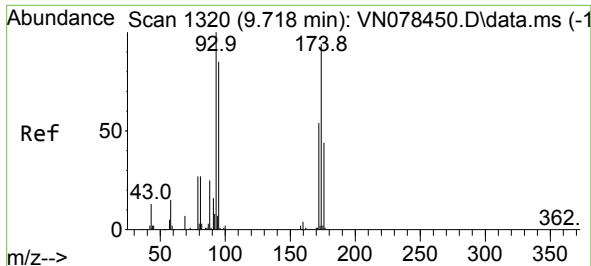
Ion Ratio Lower Upper

43 100

61 3.0 24.7 37.1#

87 0.0 14.6 21.8#

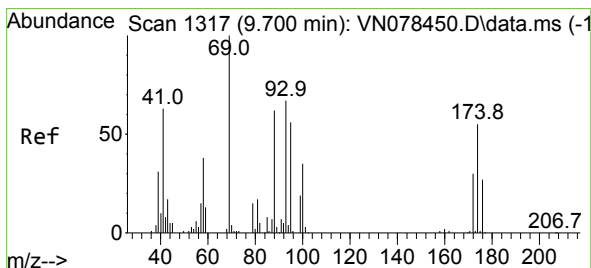
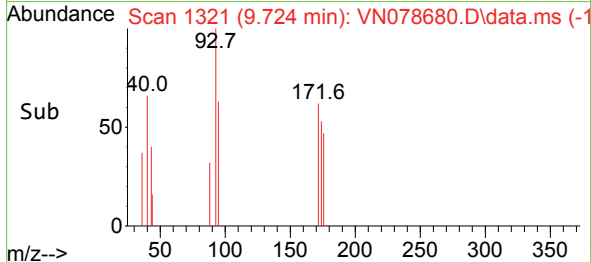
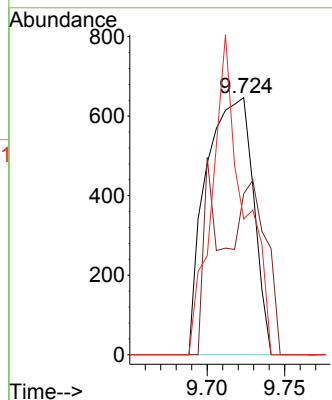
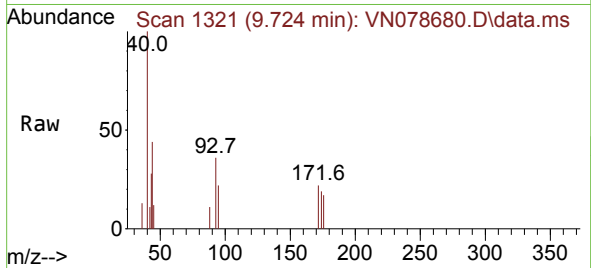




#46
Dibromomethane
Concen: 0.213 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

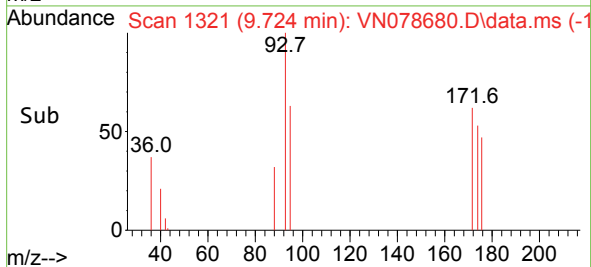
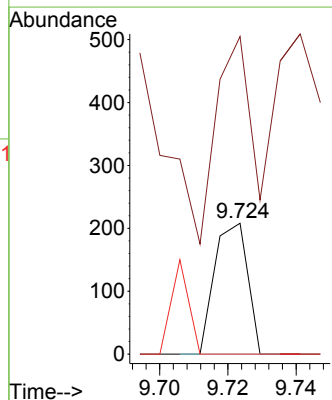
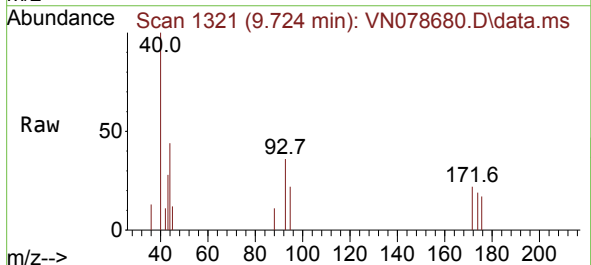
Instrument :
MSVOA_N
ClientSampleId :
IBLK

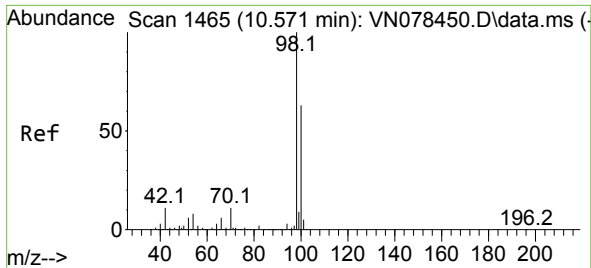
Tgt Ion: 93 Resp: 1366
Ion Ratio Lower Upper
93 100
95 36.7 63.8 95.8#
174 84.0 65.6 98.4



#49
1,4-Dioxane
Concen: 0.832 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.024 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 88 Resp: 140
Ion Ratio Lower Upper
88 100
43 166.4 17.0 25.6#
58 37.9 47.0 70.4#

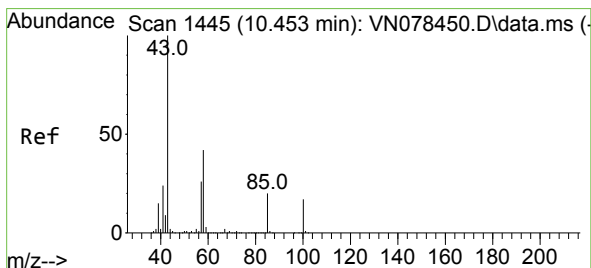
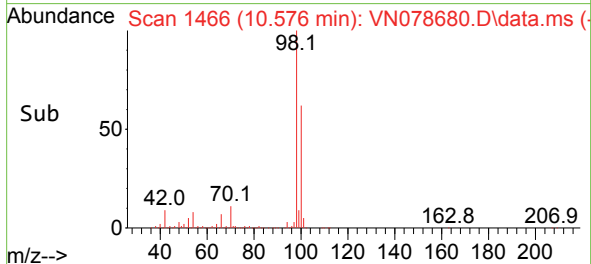
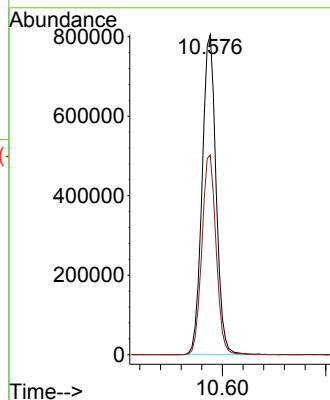
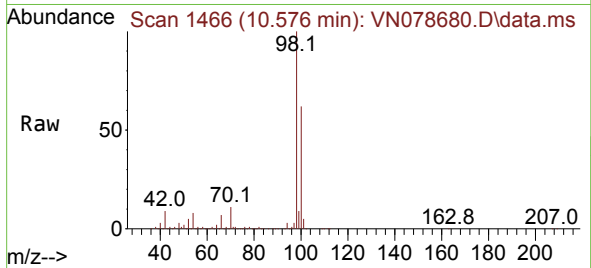




#50
Toluene-d8
Concen: 47.471 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

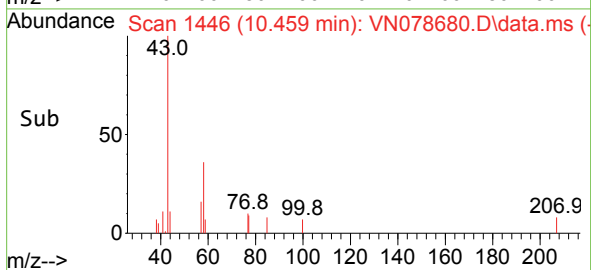
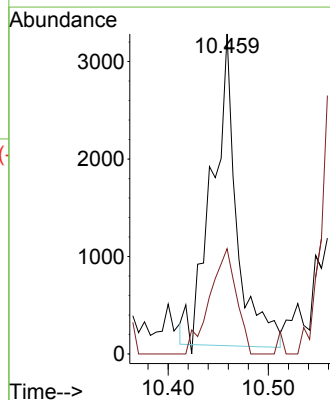
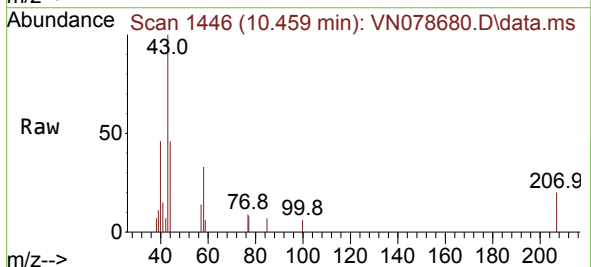
Instrument :
MSVOA_N
ClientSampleId :
IBLK

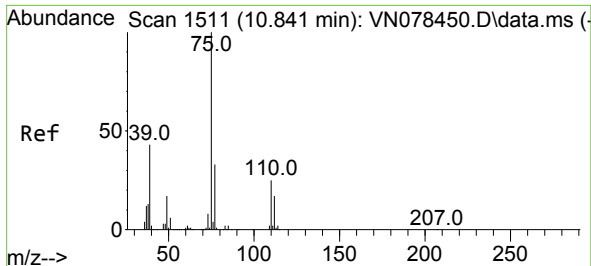
Tgt Ion: 98 Resp: 1507027
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.554 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 43 Resp: 5483
Ion Ratio Lower Upper
43 100
58 36.4 36.6 54.8#

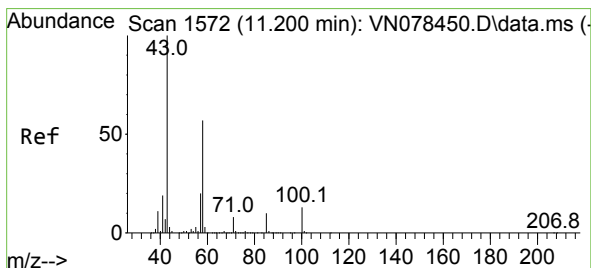
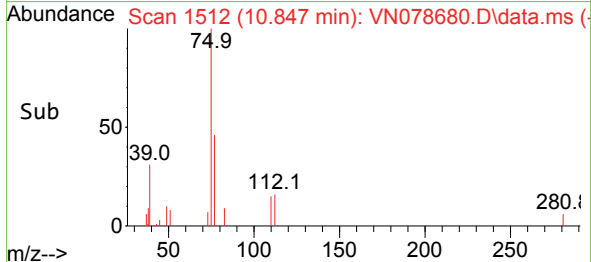
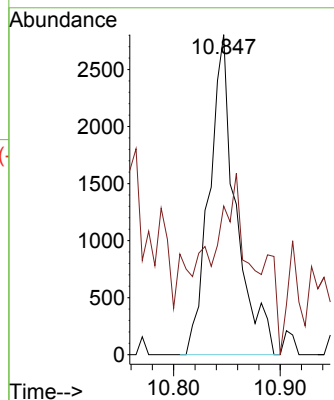
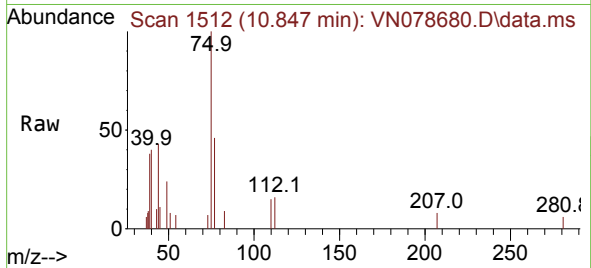




#53
t-1,3-Dichloropropene
Concen: 0.368 ug/l
RT: 10.847 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

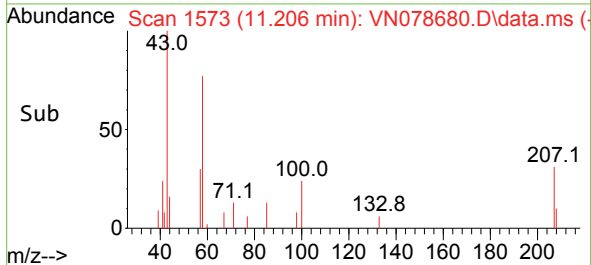
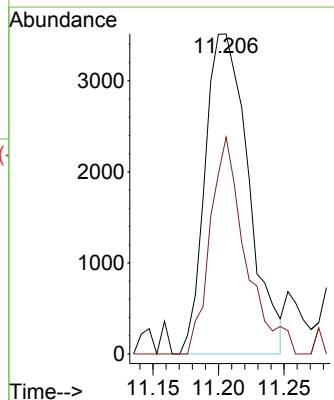
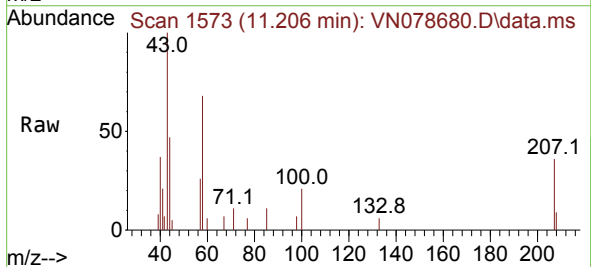
Instrument :
MSVOA_N
ClientSampleId :
IBLK

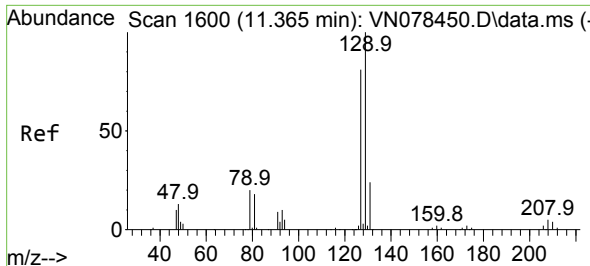
Tgt Ion: 75 Resp: 4844
Ion Ratio Lower Upper
75 100
77 46.5 25.4 38.0#



#59
2-Hexanone
Concen: 1.149 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion: 43 Resp: 8087
Ion Ratio Lower Upper
43 100
58 55.0 31.7 95.1

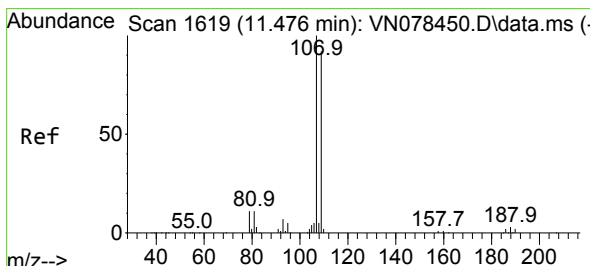
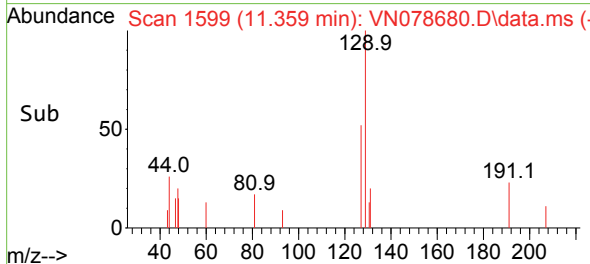
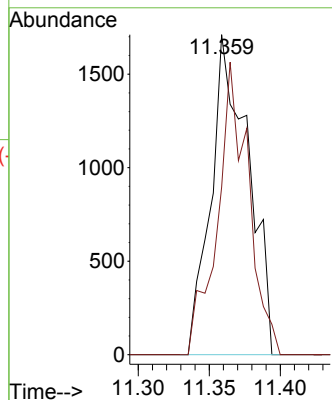
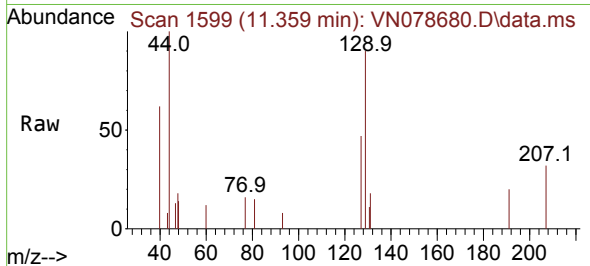




#60
Dibromochloromethane
Concen: 0.322 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

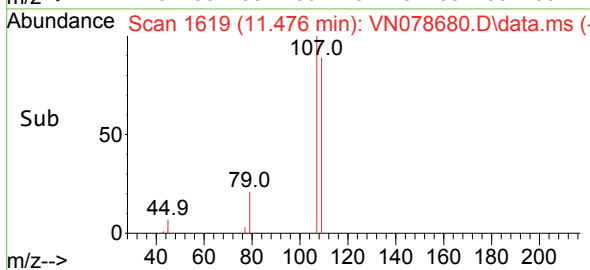
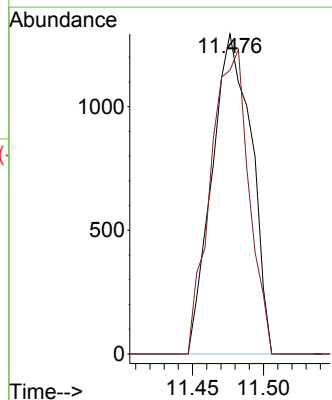
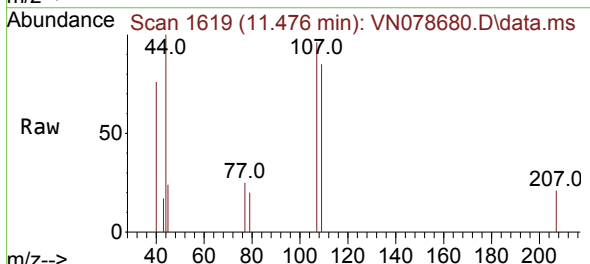
Instrument :
MSVOA_N
ClientSampleId :
IBLK

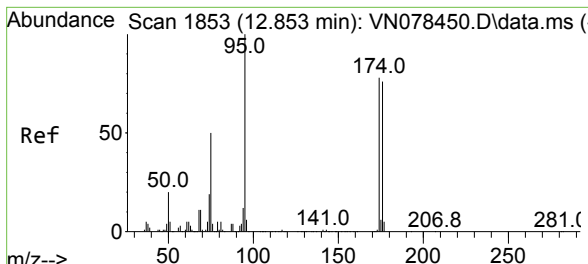
Tgt Ion:129 Resp: 3119
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0



#61
1,2-Dibromoethane
Concen: 0.276 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion:107 Resp: 2494
Ion Ratio Lower Upper
107 100
109 92.3 76.6 114.8

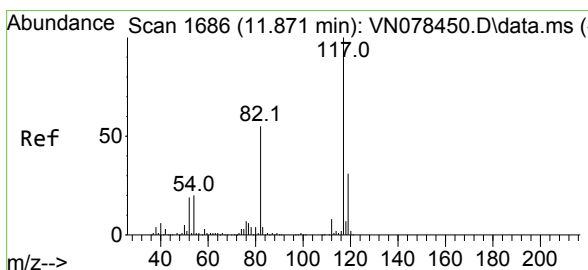
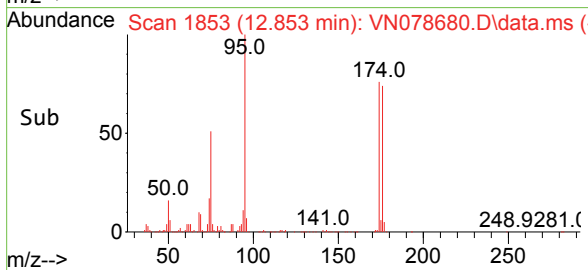
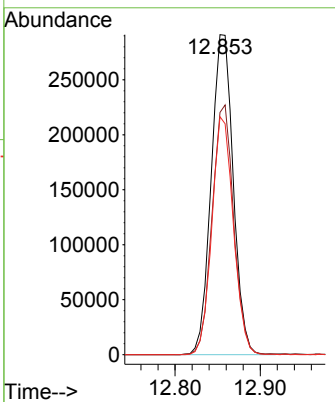
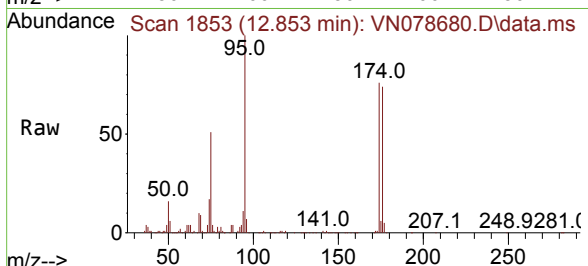




#62
 4-Bromofluorobenzene
 Concen: 53.484 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN078680.D
 Acq: 28 Jul 2023 13:13

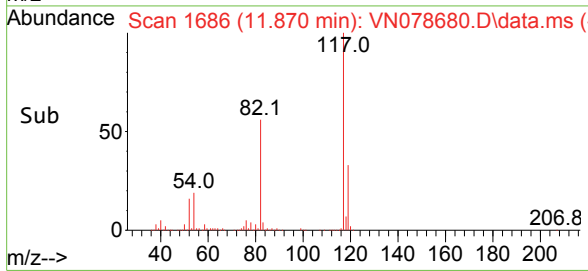
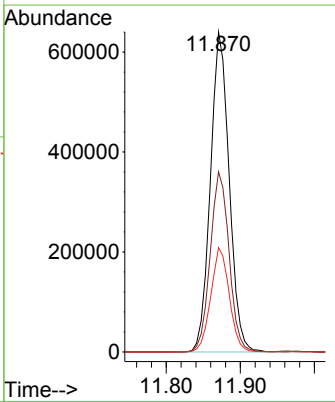
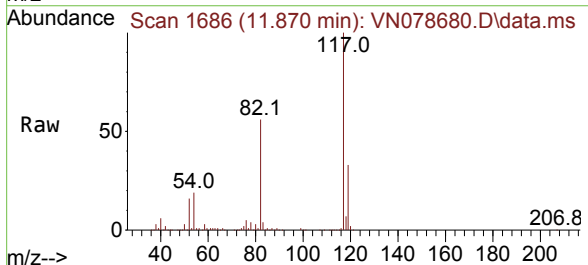
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

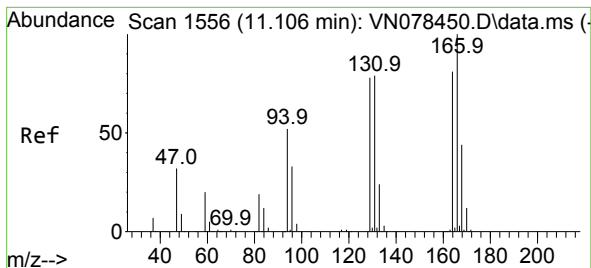
Tgt Ion:	95	Resp:	522998
Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	143.8
176	72.6	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN078680.D
 Acq: 28 Jul 2023 13:13

Tgt Ion:	117	Resp:	1126720
Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.0	66.0
119	32.6	25.6	38.4





#64

Tetrachloroethene

Concen: 0.378 ug/l

RT: 11.118 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:164 Resp: 3198

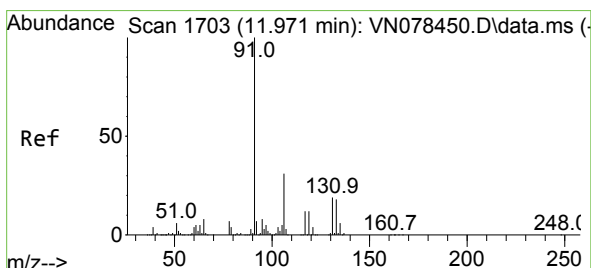
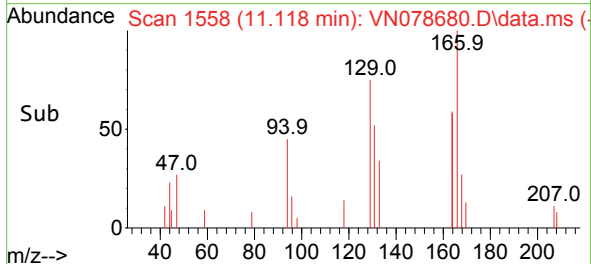
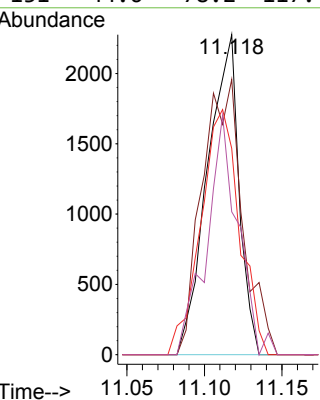
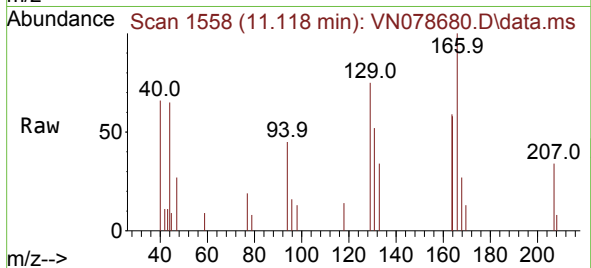
Ion Ratio Lower Upper

164 100

166 86.0 101.4 152.0#

129 64.5 82.4 123.6#

131 44.6 78.2 117.4#



#67

Ethyl Benzene

Concen: 0.316 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. -0.001 min

Lab File: VN078680.D

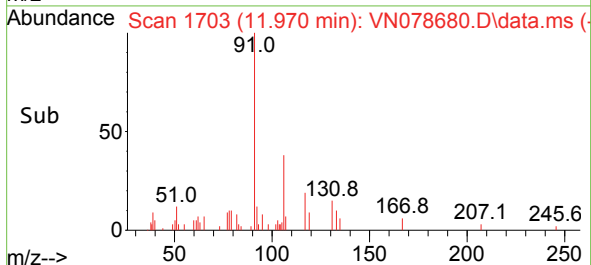
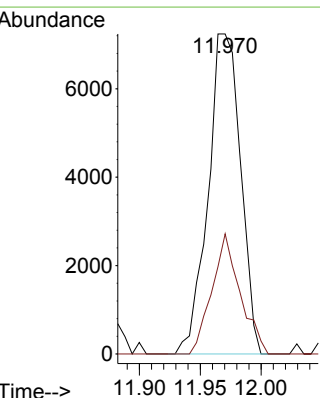
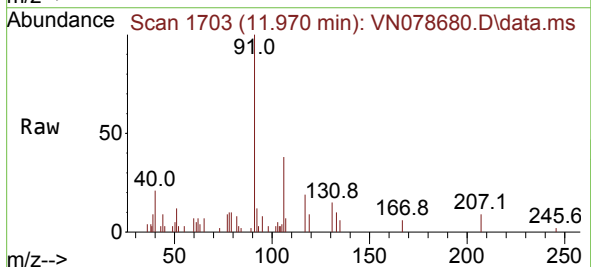
Acq: 28 Jul 2023 13:13

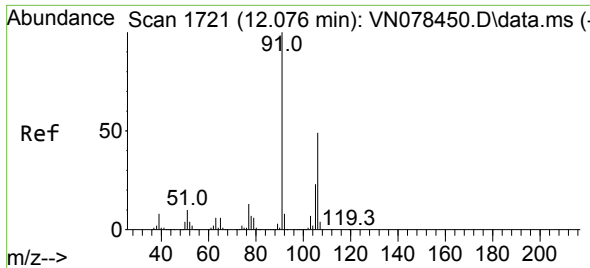
Tgt Ion: 91 Resp: 13458

Ion Ratio Lower Upper

91 100

106 37.5 25.6 38.4

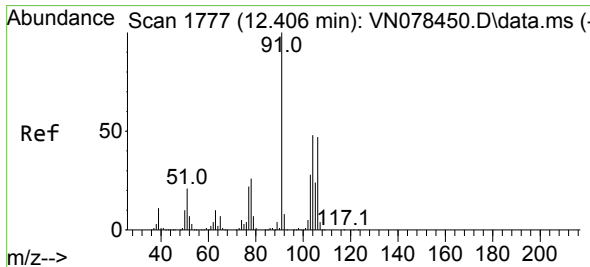
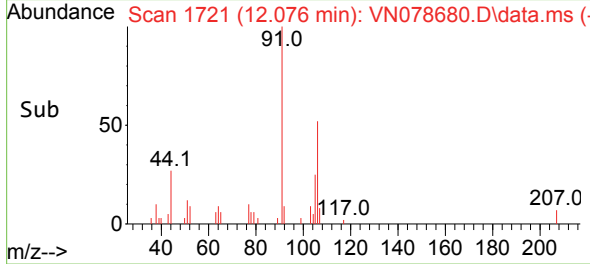
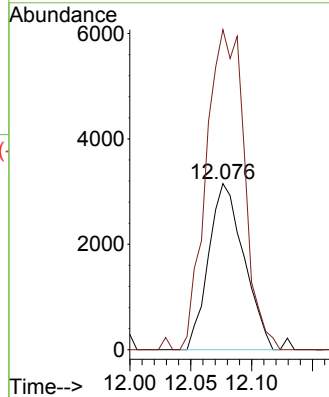
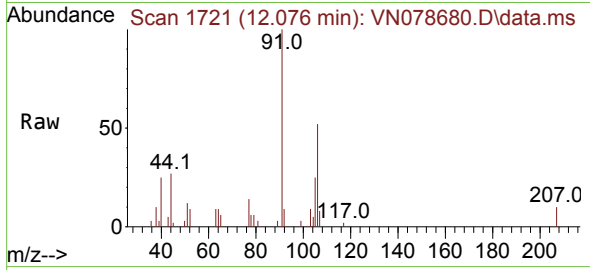




#68
m/p-Xylenes
Concen: 0.404 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

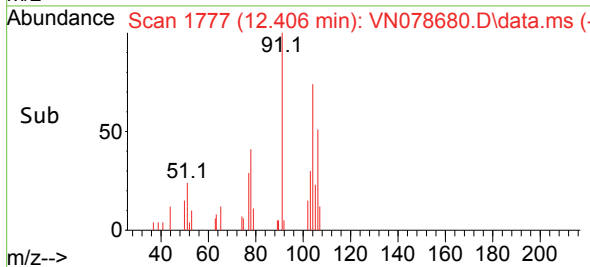
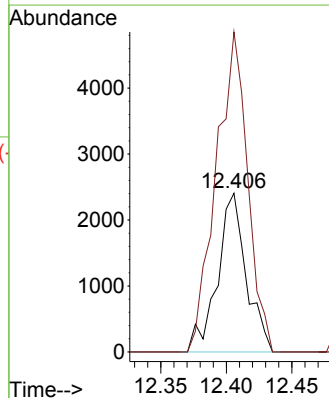
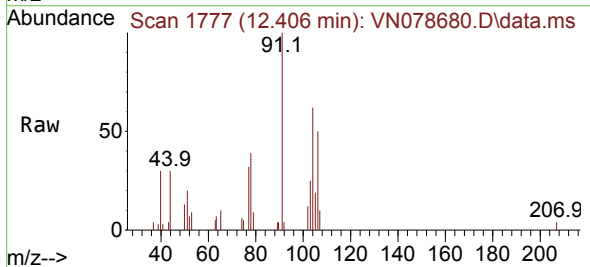
Instrument :
MSVOA_N
ClientSampleId :
IBLK

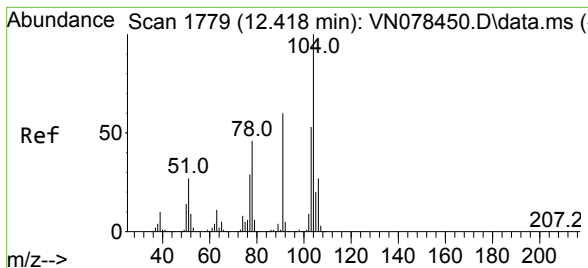
Tgt Ion:106 Resp: 6361
Ion Ratio Lower Upper
106 100
91 208.0 159.6 239.4



#69
o-Xylene
Concen: 0.231 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078680.D
Acq: 28 Jul 2023 13:13

Tgt Ion:106 Resp: 3668
Ion Ratio Lower Upper
106 100
91 221.0 105.2 315.5





#70

Styrene

Concen: 0.366 ug/l

RT: 12.418 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

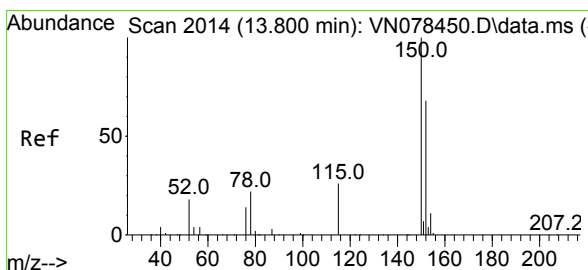
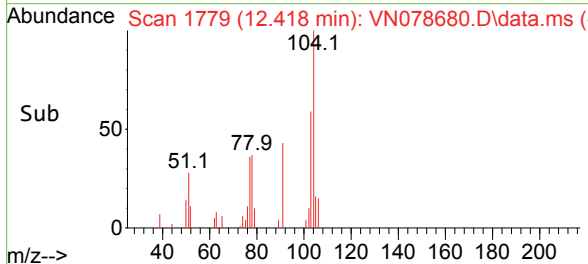
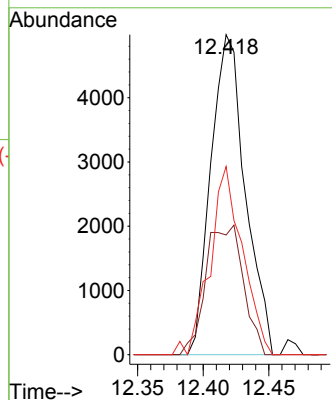
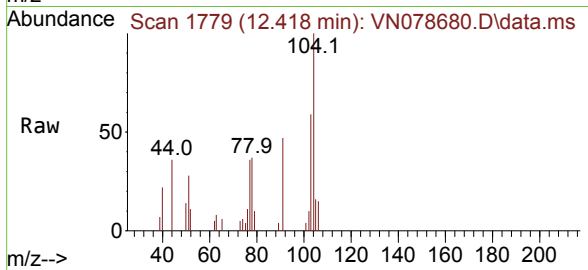
Tgt Ion:104 Resp: 9099

Ion Ratio Lower Upper

104 100

78 44.0 39.5 59.3

103 55.7 43.2 64.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

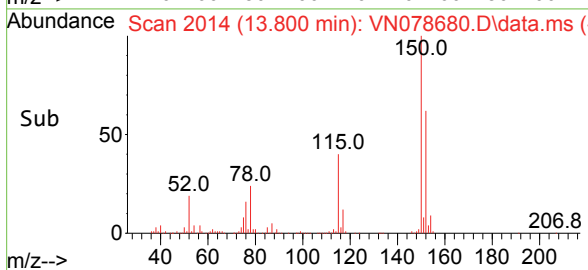
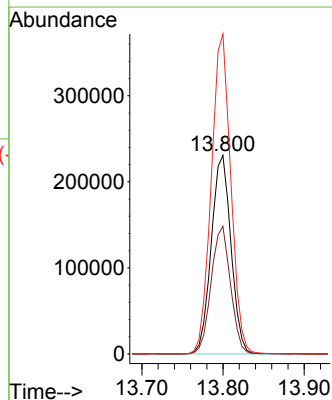
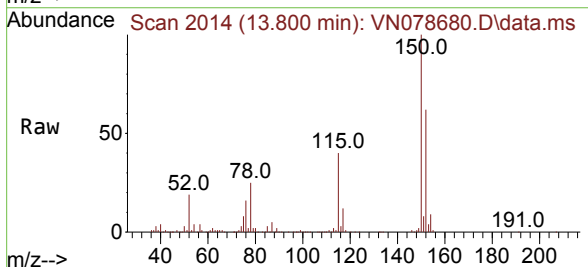
Tgt Ion:152 Resp: 389333

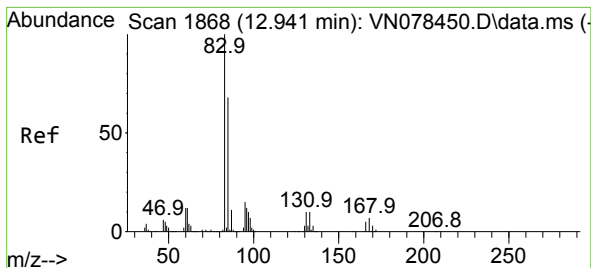
Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 159.6 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

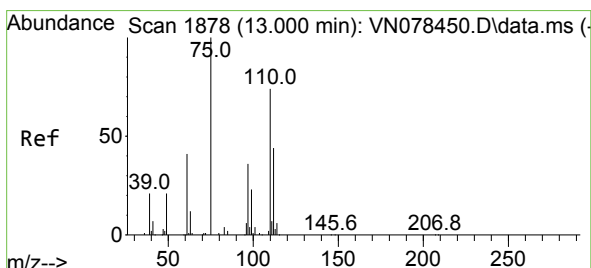
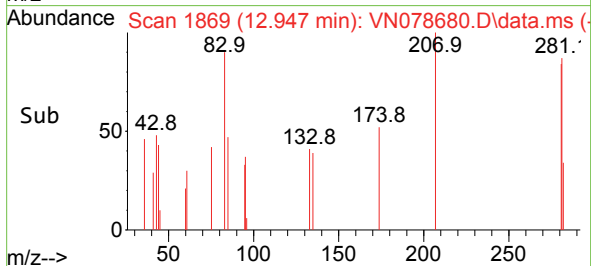
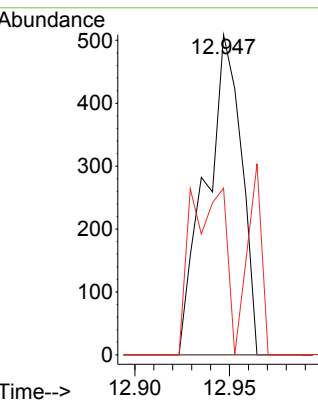
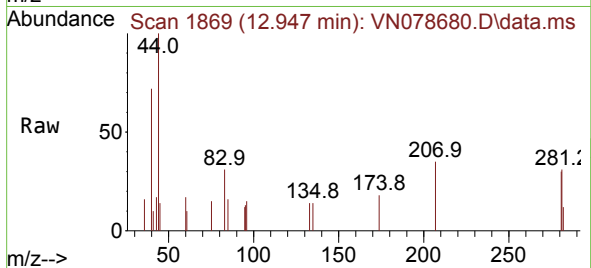
Tgt Ion: 83 Resp: 665

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 51.1 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 26.858 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078680.D

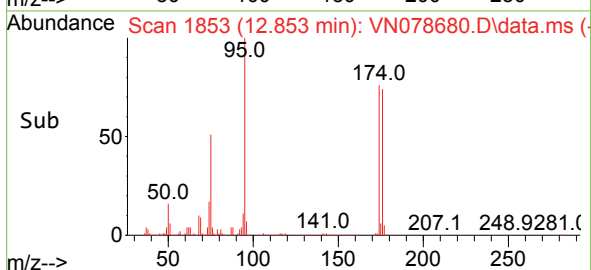
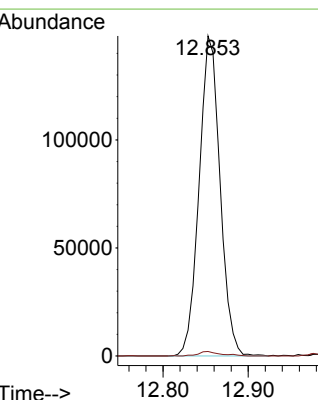
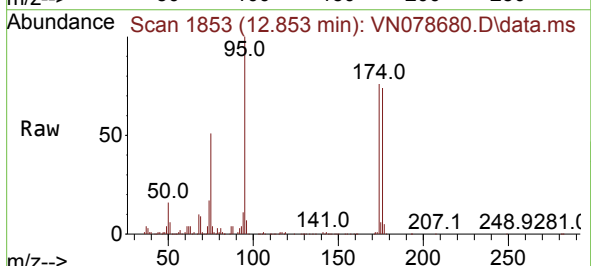
Acq: 28 Jul 2023 13:13

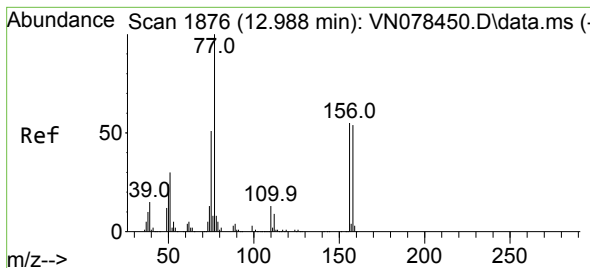
Tgt Ion: 75 Resp: 252752

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#





#77

Bromobenzene

Concen: Below Cal

RT: 13.000 min Scan# 1876

Delta R.T. 0.012 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

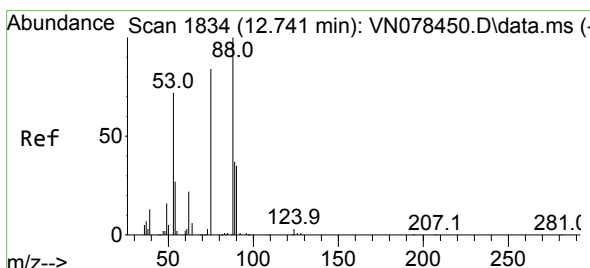
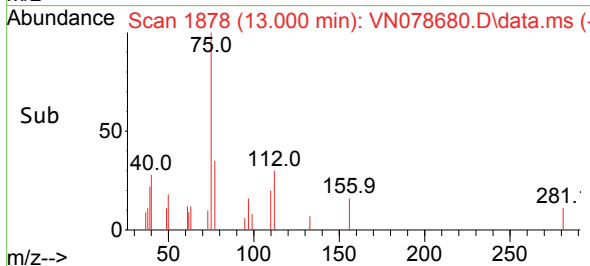
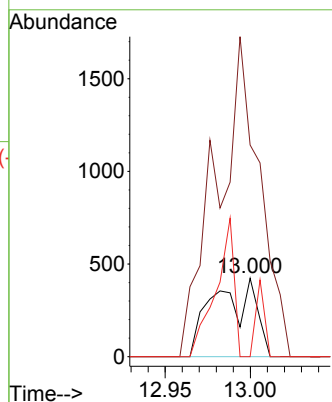
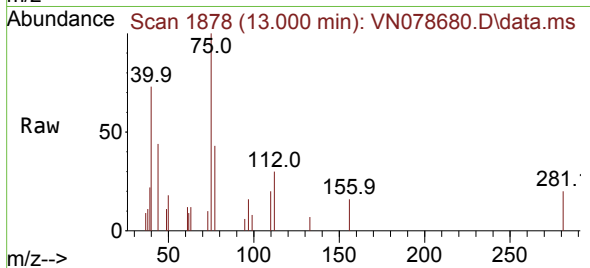
Tgt Ion:156 Resp: 719

Ion Ratio Lower Upper

156 100

77 419.3 107.7 323.3#

158 20.3 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.578 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

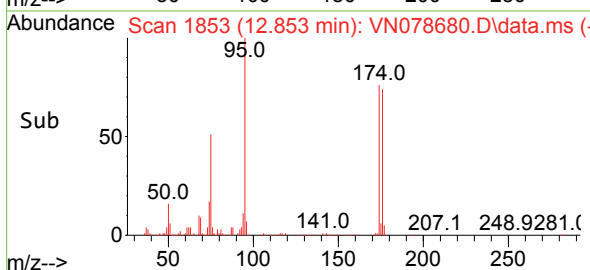
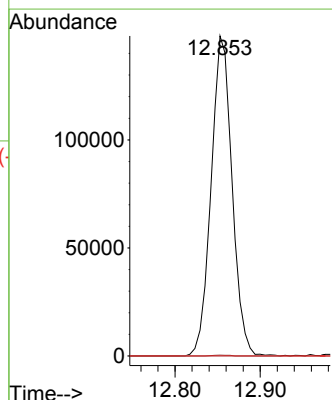
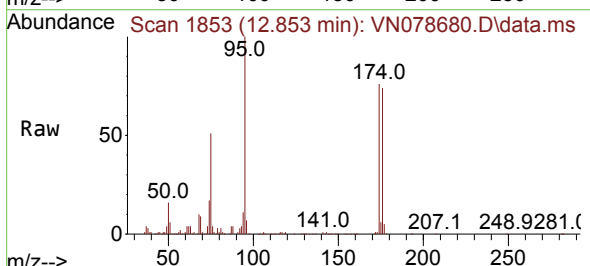
Tgt Ion: 75 Resp: 252752

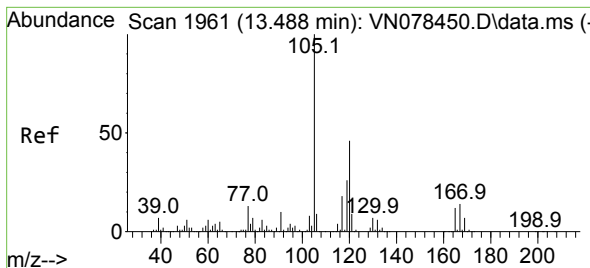
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.384 ug/l

RT: 13.482 min Scan# 1961

Delta R.T. -0.006 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

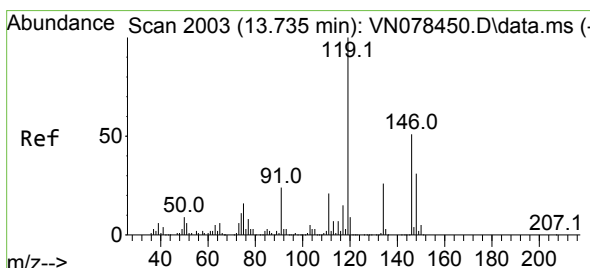
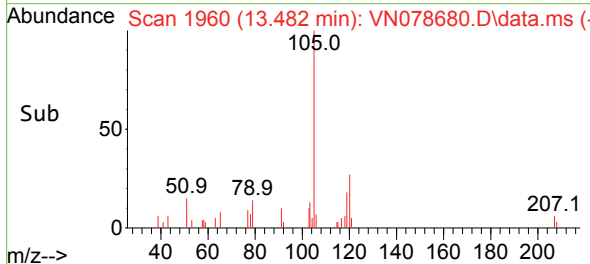
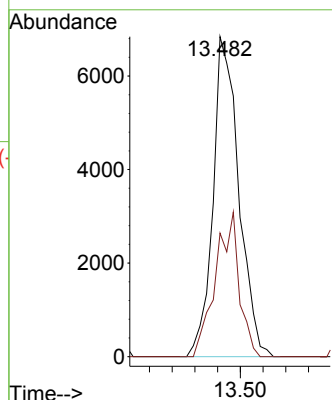
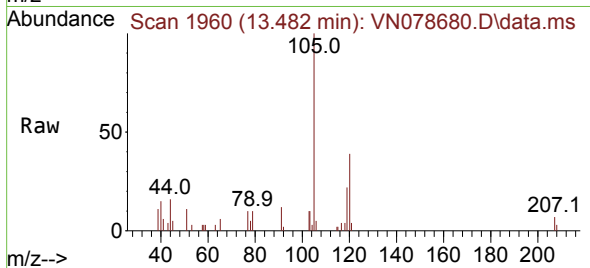
IBLK

Tgt Ion:105 Resp: 10778

Ion Ratio Lower Upper

105 100

120 41.4 22.0 66.0



#87

1,3-Dichlorobenzene

Concen: 1.502 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. 0.082 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

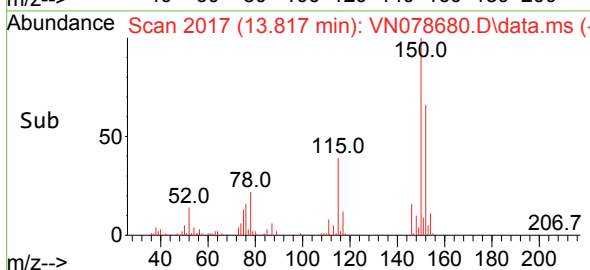
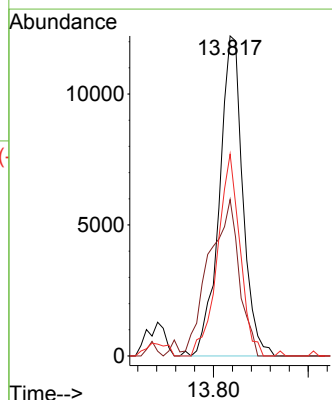
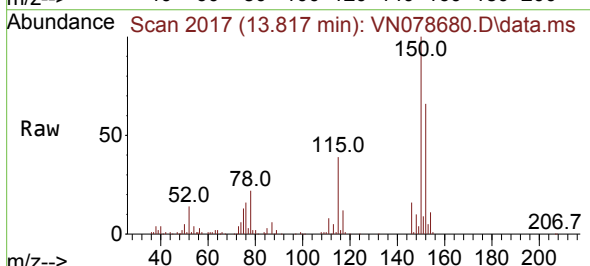
Tgt Ion:146 Resp: 21088

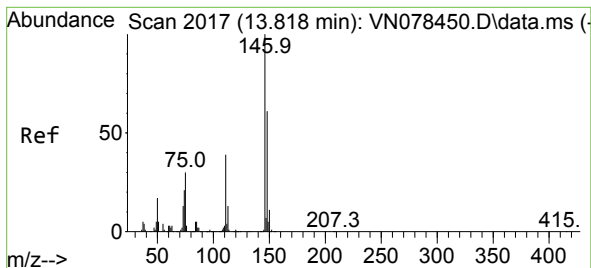
Ion Ratio Lower Upper

146 100

111 62.9 22.1 66.3

148 60.3 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 1.491 ug/l

RT: 13.817 min Scan# 2108

Delta R.T. -0.001 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

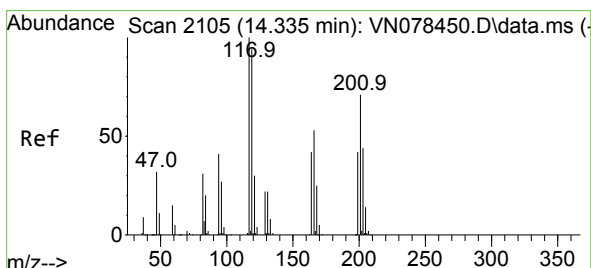
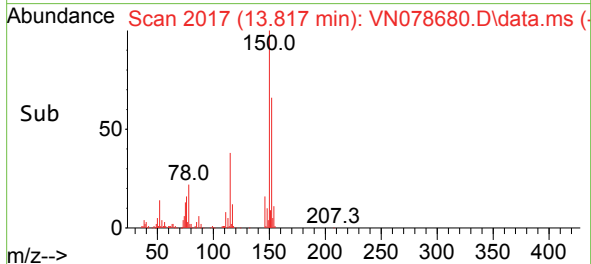
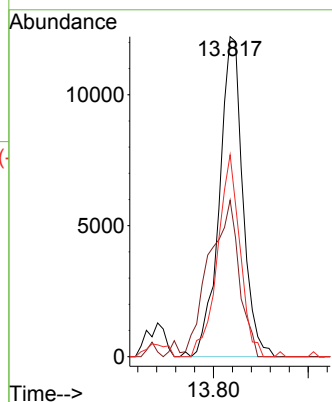
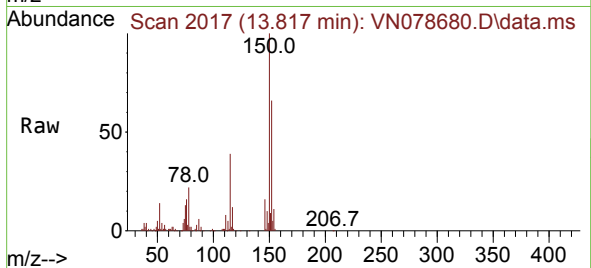
Tgt Ion:146 Resp: 21088

Ion Ratio Lower Upper

146 100

111 62.9 20.6 61.8#

148 60.3 31.6 94.8



#90

Hexachloroethane

Concen: Below Cal

RT: 14.329 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN078680.D

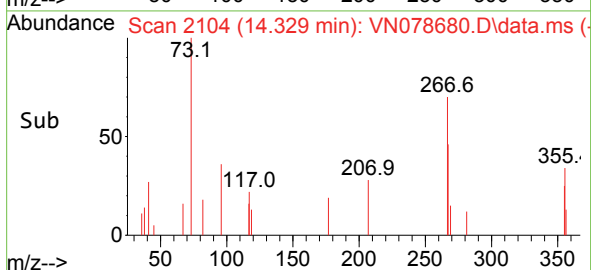
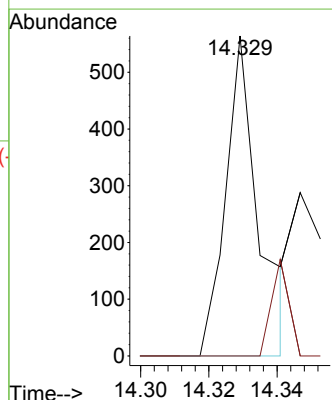
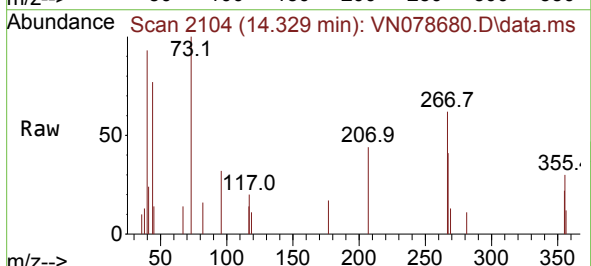
Acq: 28 Jul 2023 13:13

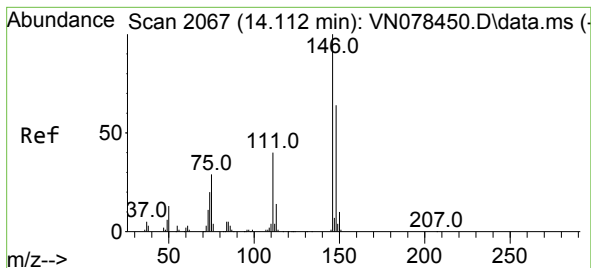
Tgt Ion:117 Resp: 380

Ion Ratio Lower Upper

117 100

201 15.8 29.3 88.0#





#91

1,2-Dichlorobenzene

Concen: 0.920 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. -0.001 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

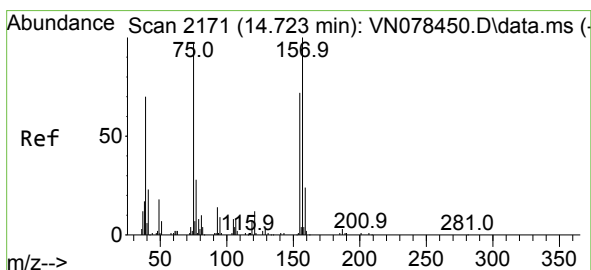
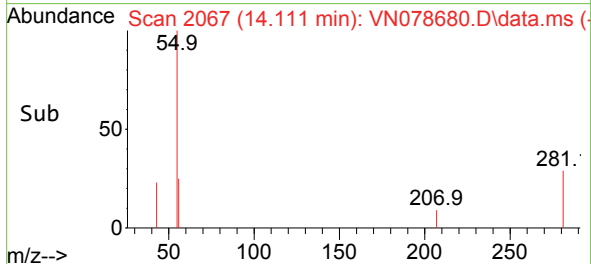
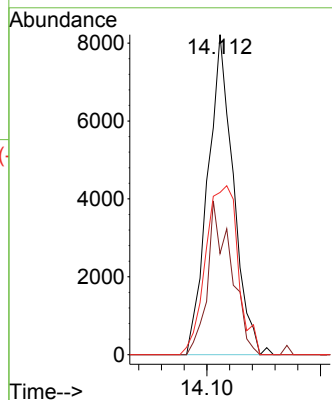
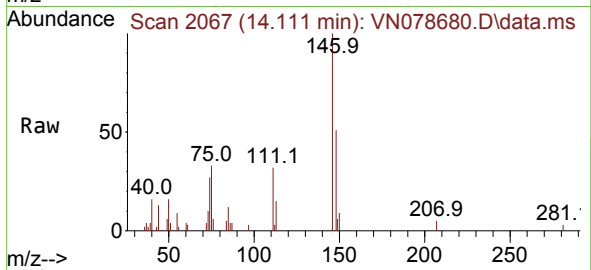
Tgt Ion:146 Resp: 12854

Ion Ratio Lower Upper

146 100

111 44.5 22.0 66.0

148 67.0 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.735 min Scan# 2173

Delta R.T. 0.012 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

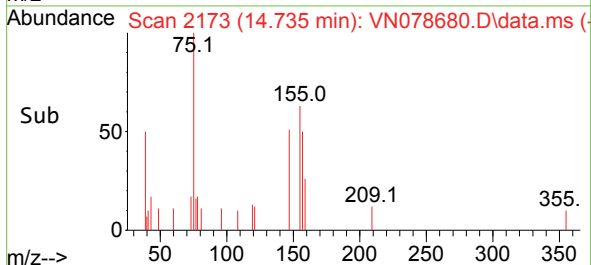
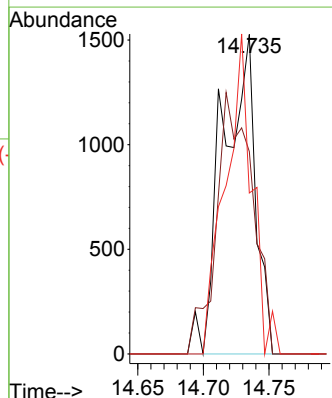
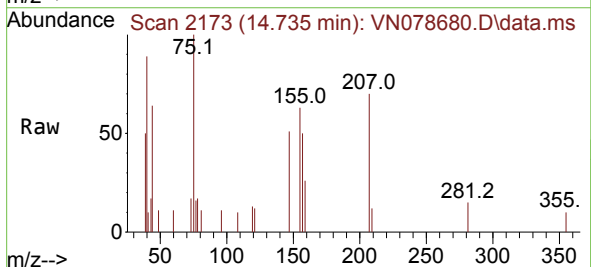
Tgt Ion: 75 Resp: 2639

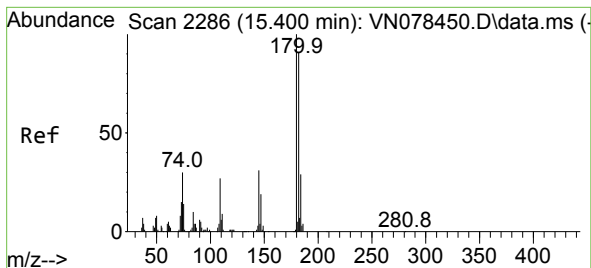
Ion Ratio Lower Upper

75 100

155 90.3 39.1 117.2

157 82.9 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 1.411 ug/l

RT: 15.406 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

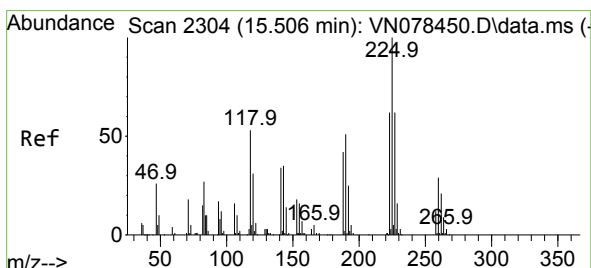
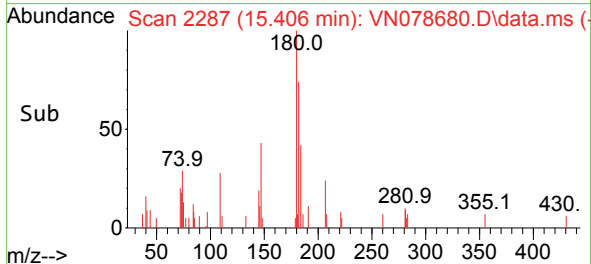
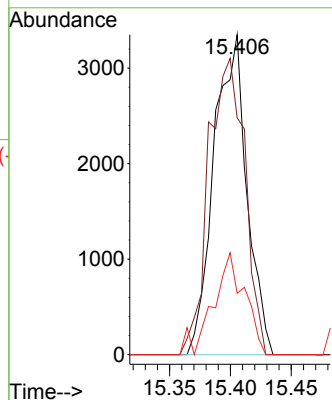
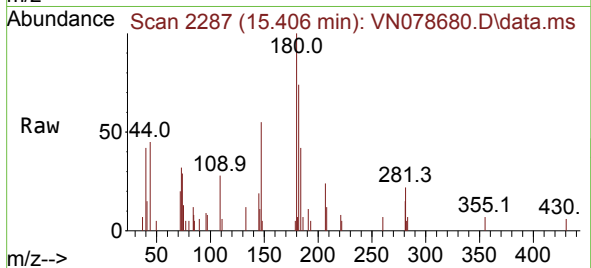
Tgt Ion:180 Resp: 6294

Ion Ratio Lower Upper

180 100

182 101.9 46.1 138.2

145 30.6 16.6 49.8



#94

Hexachlorobutadiene

Concen: 5.970 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

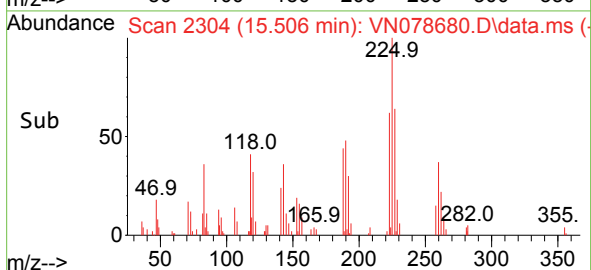
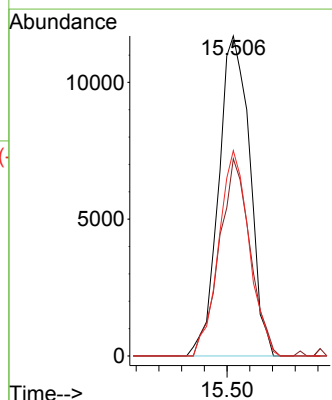
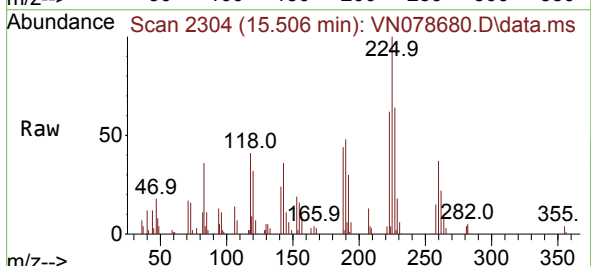
Tgt Ion:225 Resp: 22188

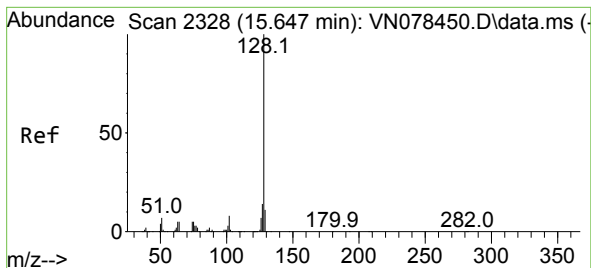
Ion Ratio Lower Upper

225 100

223 61.4 31.3 93.8

227 63.1 31.9 95.9





#95

Naphthalene

Concen: 2.137 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

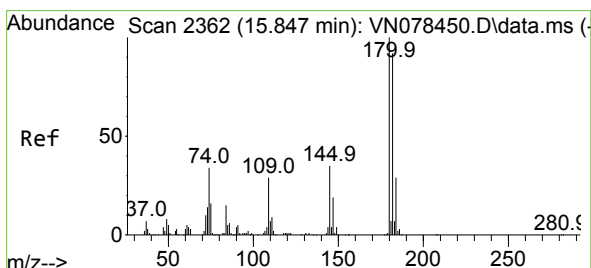
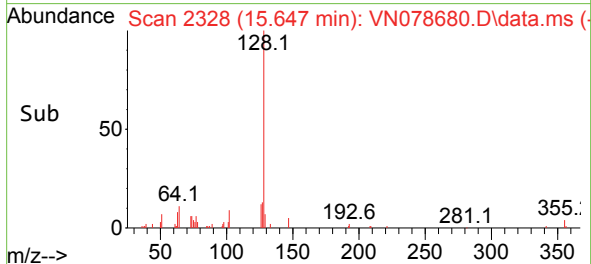
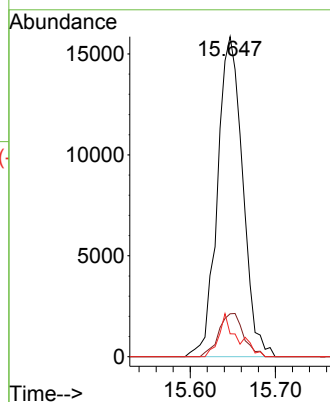
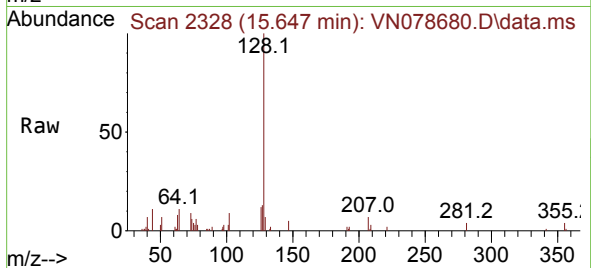
Tgt Ion:128 Resp: 32593

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 9.8 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.297 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN078680.D

Acq: 28 Jul 2023 13:13

Tgt Ion:180 Resp: 1522

Ion Ratio Lower Upper

180 100

182 107.6 46.2 138.6

145 9.6 17.5 52.6#

