

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
 Data File : VN078014.D
 Acq On : 01 Jun 2023 16:50
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 02 01:53:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

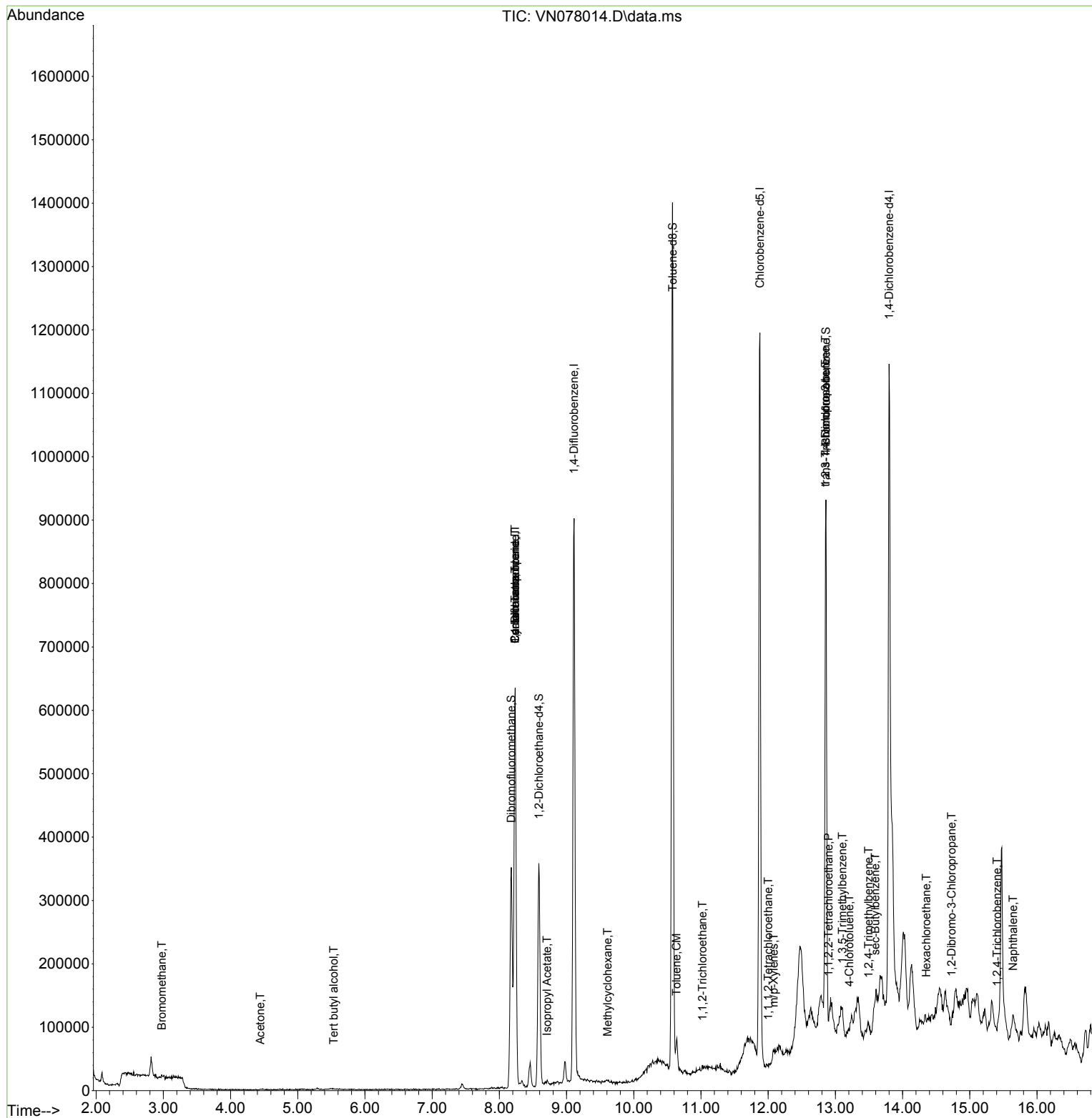
Internal Standards						
1) Pentafluorobenzene	8.235	168	435405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	798032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	717623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	249604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	290818	44.640	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.280%		
35) Dibromofluoromethane	8.177	113	253958	48.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	10.576	98	988748	49.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.859	95	315774	44.637	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.280%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1829	Below Cal		92
5) Bromomethane	2.977	94	2350	0.509 ug/l		94
11) Tert butyl alcohol	5.536	59	291	0.324 ug/l #		72
13) Acrolein	4.218	56	68	Below Cal #		1
16) Acetone	4.442	43	600	0.293 ug/l #		40
20) Methylene Chloride	5.277	84	428	Below Cal #		37
31) Cyclohexane	8.235	56	14510	1.639 ug/l #		48
36) 1,1-Dichloropropene	8.235	75	34020	4.470 ug/l #		48
38) Carbon Tetrachloride	8.235	117	50055	6.512 ug/l #		14
39) Methylcyclohexane	9.612	83	2384	0.256 ug/l #		88
43) Isopropyl Acetate	8.712	43	2979	0.269 ug/l #		49
52) Toluene	10.635	92	19842	1.419 ug/l		98
55) 1,1,2-Trichloroethane	11.024	97	1183	0.213 ug/l #		32
66) 1,1,1,2-Tetrachloroethane	12.000	131	1261	0.234 ug/l #		9
68) m/p-Xylenes	12.082	106	3720	0.352 ug/l		88
75) 1,1,2,2-Tetrachloroethane	12.900	83	1979	0.299 ug/l #		18
76) 1,2,3-Trichloropropane	12.853	75	161034	25.761 ug/l #		1
80) 1,3,5-Trimethylbenzene	13.106	105	5076	0.281 ug/l #		29
81) trans-1,4-Dichloro-2-b...	12.853	75	161034	82.347 ug/l #		15
82) 4-Chlorotoluene	13.206	91	3314	0.220 ug/l		84
84) 1,2,4-Trimethylbenzene	13.494	105	6669	0.375 ug/l		97
85) sec-Butylbenzene	13.594	105	15699	0.700 ug/l #		62
90) Hexachloroethane	14.353	117	3836	1.306 ug/l #		21
92) 1,2-Dibromo-3-Chloropr...	14.729	75	259	0.202 ug/l #		64
93) 1,2,4-Trichlorobenzene	15.406	180	1183	0.239 ug/l #		1
95) Naphthalene	15.647	128	13873	0.813 ug/l #		37

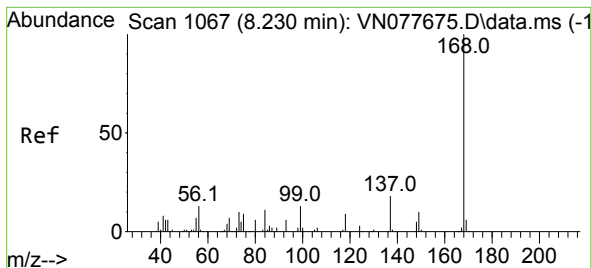
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060123\
Data File : VN078014.D
Acq On : 01 Jun 2023 16:50
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Jun 02 01:53:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. 0.005 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

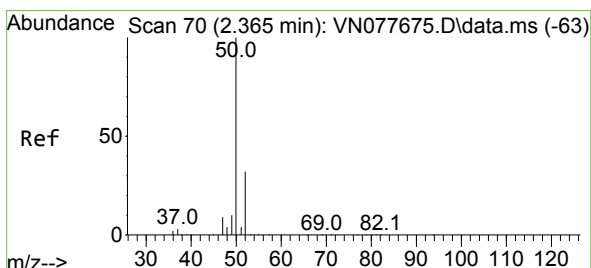
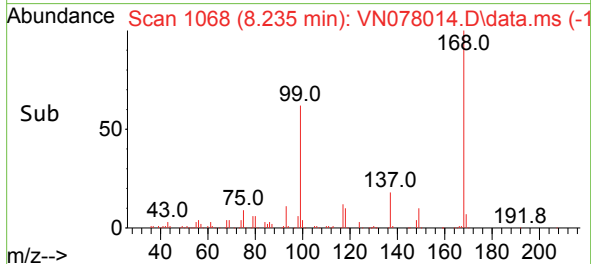
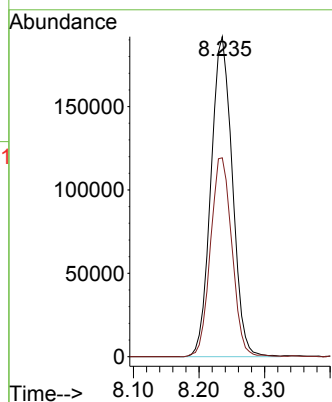
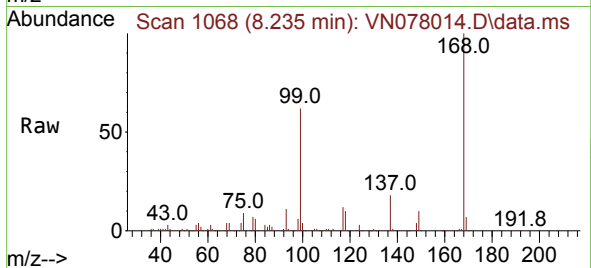
IBLK

Tgt Ion:168 Resp: 435405

Ion Ratio Lower Upper

168 100

99 62.1 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN078014.D

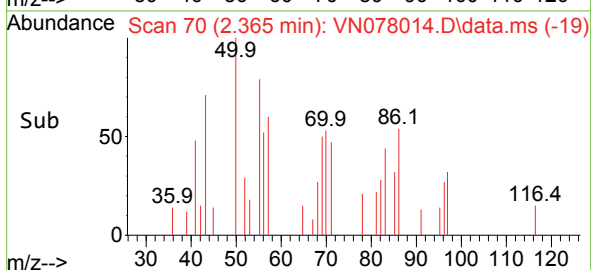
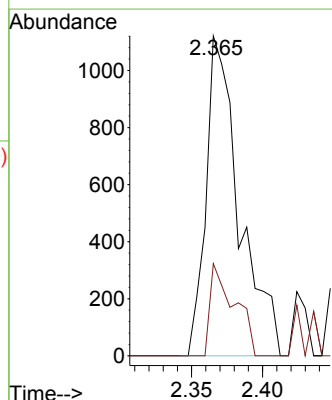
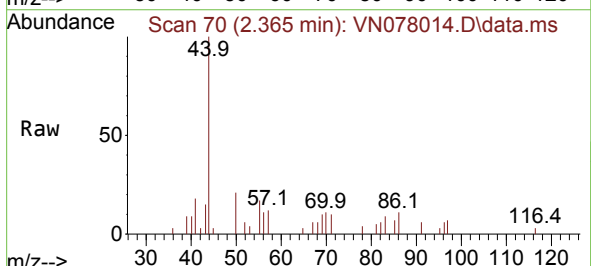
Acq: 01 Jun 2023 16:50

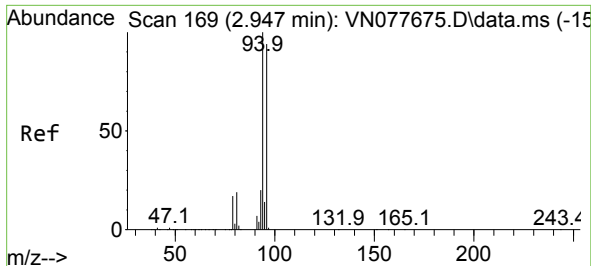
Tgt Ion: 50 Resp: 1829

Ion Ratio Lower Upper

50 100

52 28.8 26.5 39.7

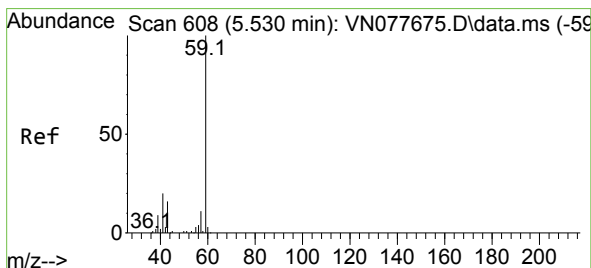
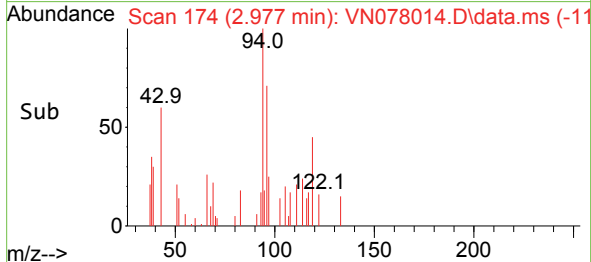
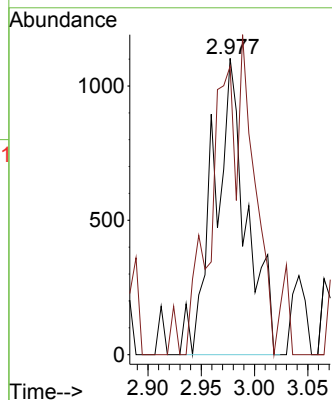
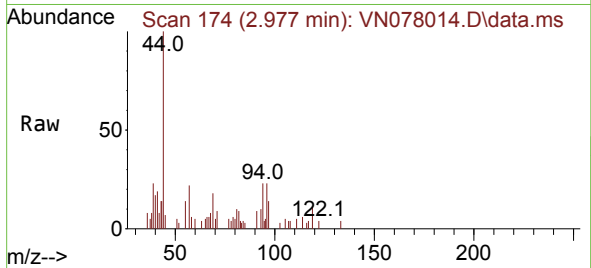




#5
Bromomethane
Concen: 0.509 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

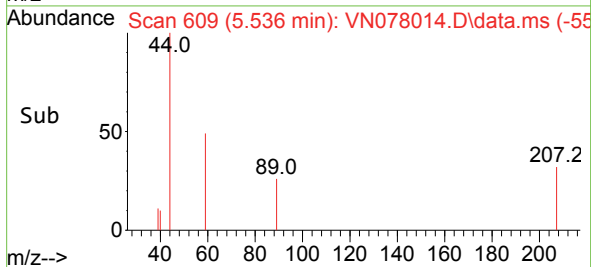
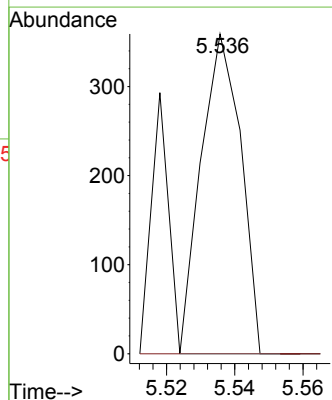
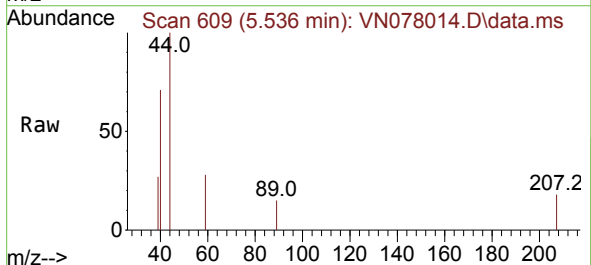
Instrument :
MSVOA_N
ClientSampleId :
IBLK

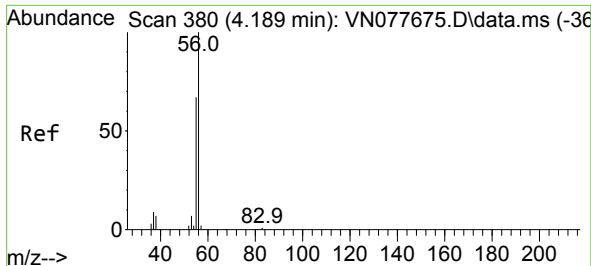
Tgt Ion: 94 Resp: 2350
Ion Ratio Lower Upper
94 100
96 97.3 73.1 109.7



#11
Tert butyl alcohol
Concen: 0.324 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 4.218 min Scan# 380

Delta R.T. 0.029 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

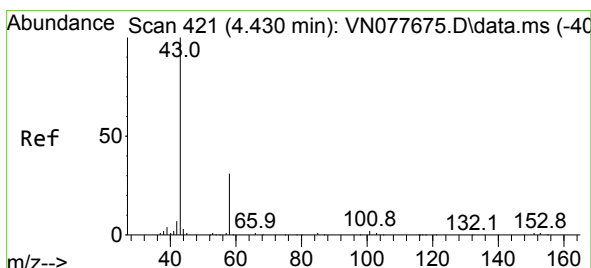
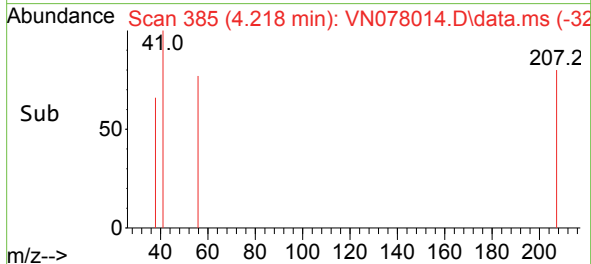
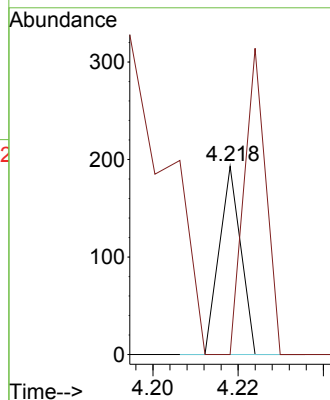
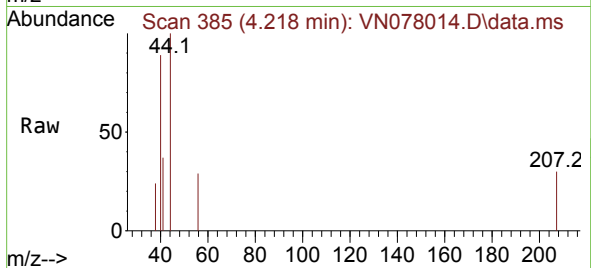
IBLK

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 163.2 54.5 81.7#



#16

Acetone

Concen: 0.293 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN078014.D

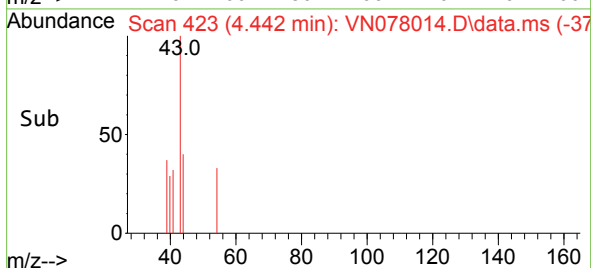
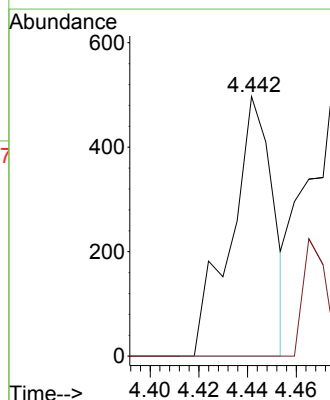
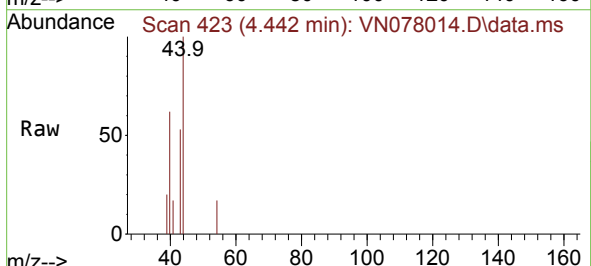
Acq: 01 Jun 2023 16:50

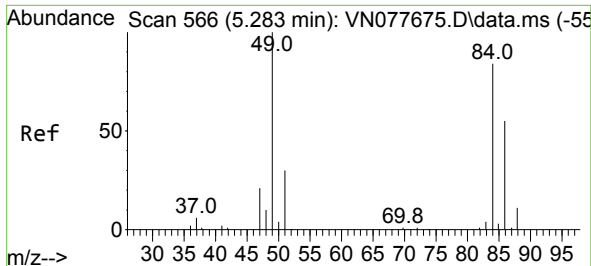
Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

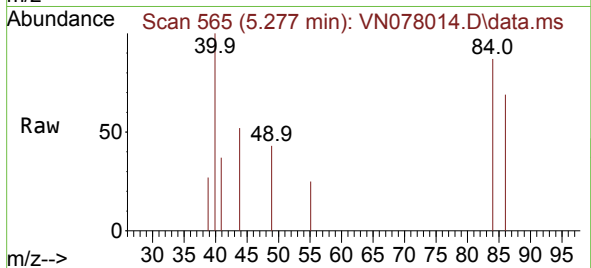
58 0.0 28.0 42.0#



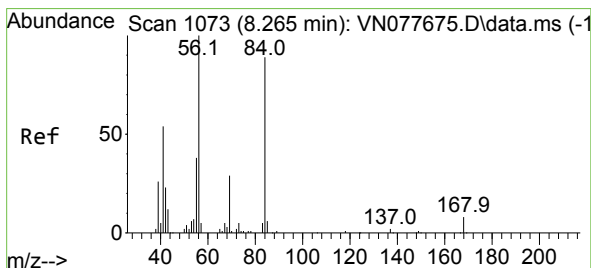
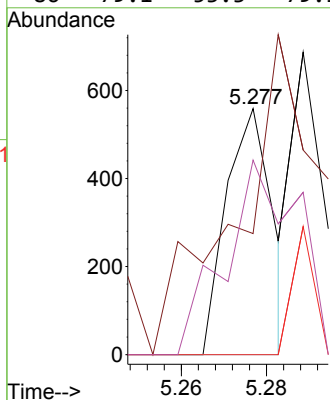
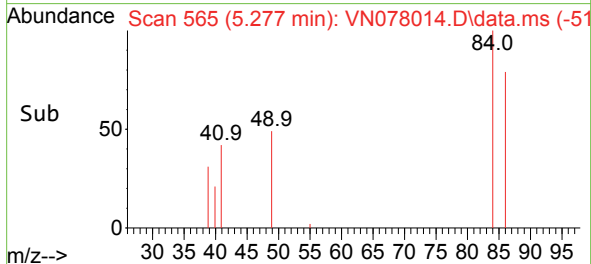


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

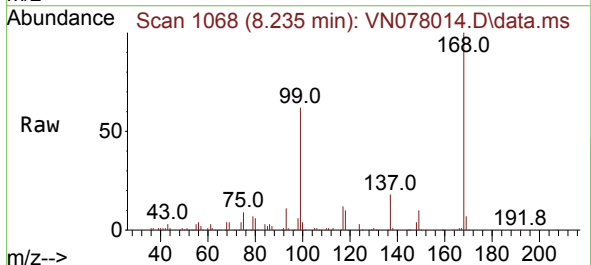
Instrument :
MSVOA_N
ClientSampleId :
IBLK



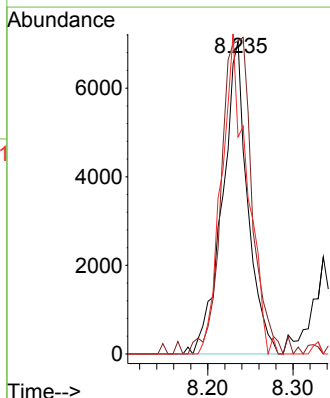
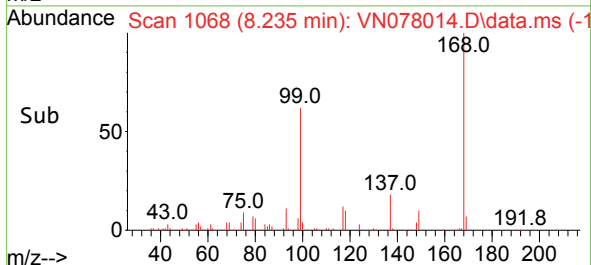
Tgt Ion: 84 Resp: 428
Ion Ratio Lower Upper
84 100
49 3.2 79.7 119.5#
51 0.0 25.2 37.8#
86 79.1 53.3 79.9

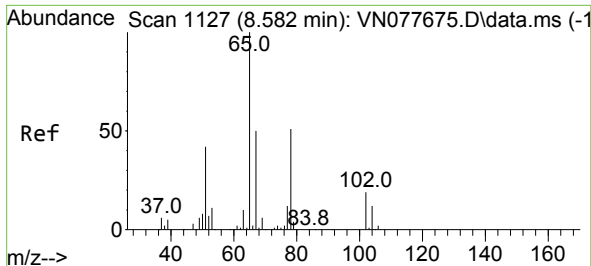


#31
Cyclohexane
Concen: 1.639 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50



Tgt Ion: 56 Resp: 14510
Ion Ratio Lower Upper
56 100
69 96.1 26.8 40.2#
84 69.4 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 44.640 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

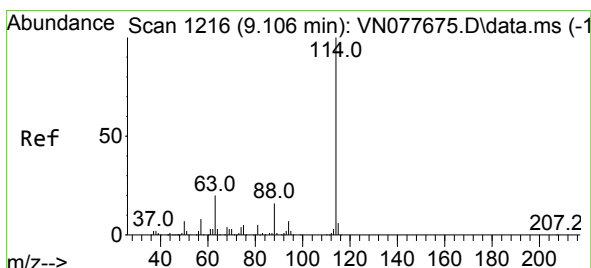
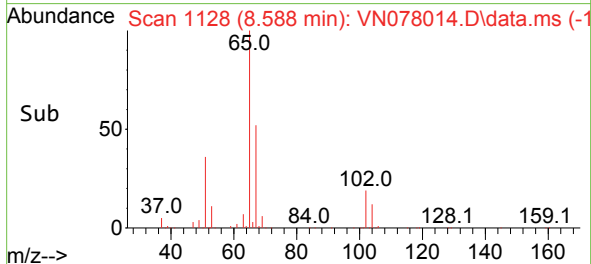
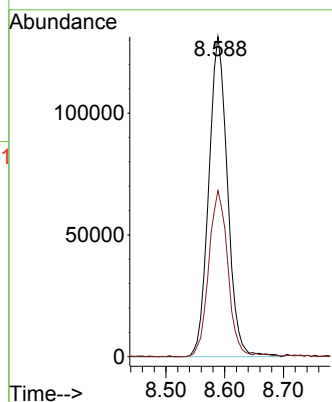
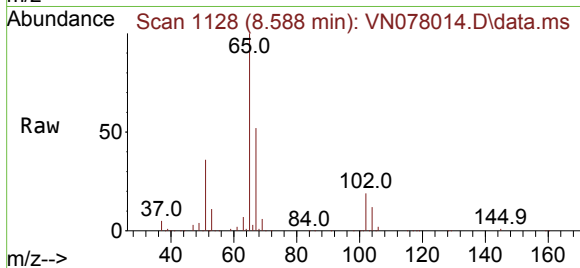
IBLK

Tgt Ion: 65 Resp: 290818

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

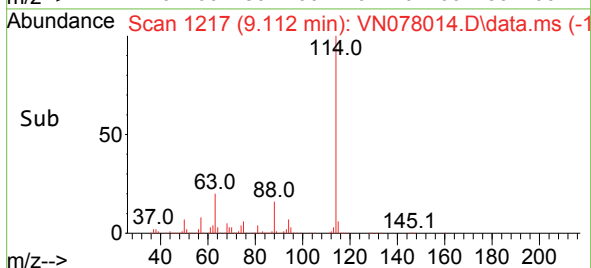
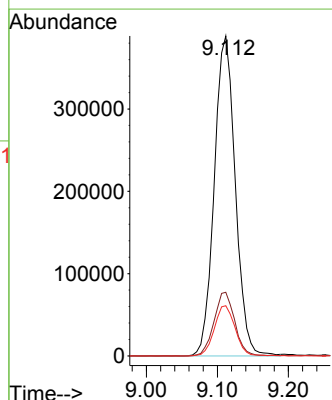
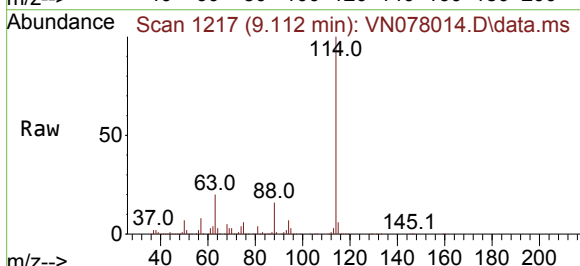
Tgt Ion: 114 Resp: 798032

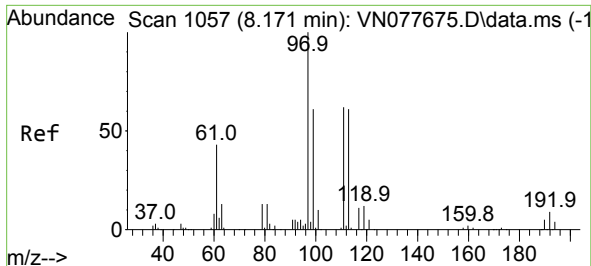
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 15.7 0.0 30.6

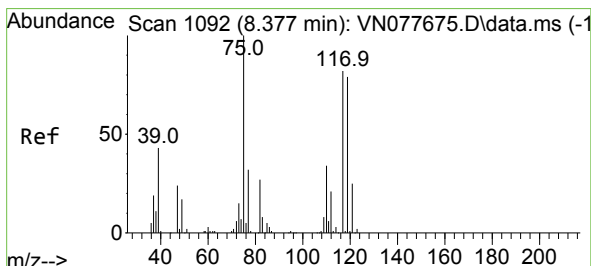
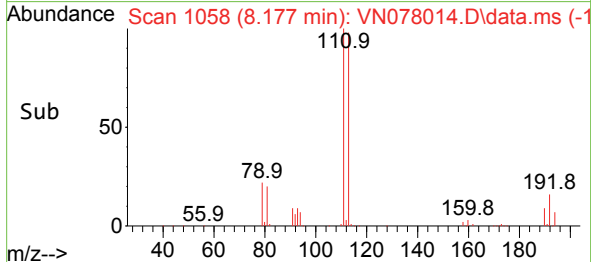
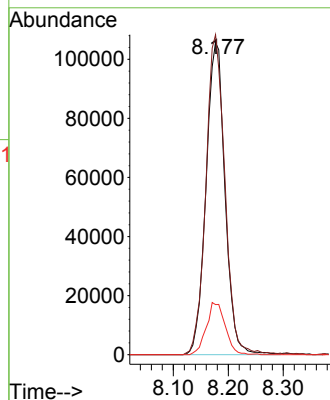
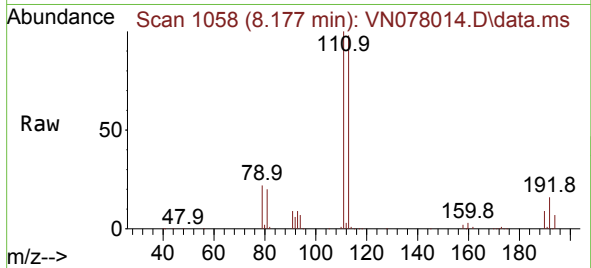




#35
Dibromofluoromethane
Concen: 48.802 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

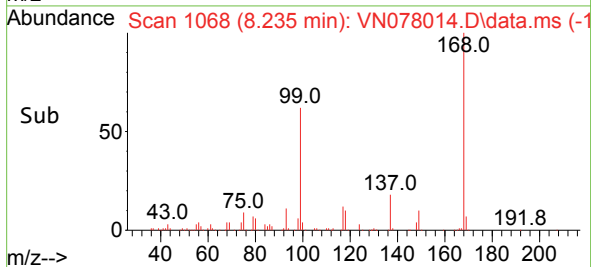
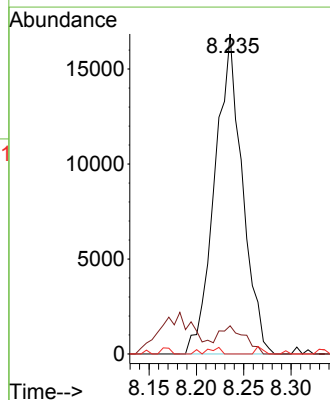
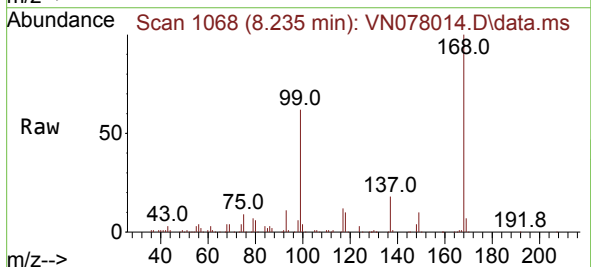
Instrument :
MSVOA_N
ClientSampleId :
IBLK

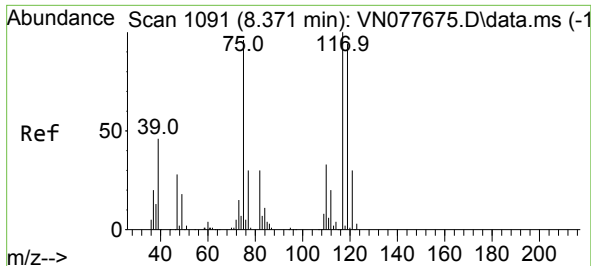
Tgt Ion:113 Resp: 253958
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 75 Resp: 34020
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 1.0 25.0 37.4#

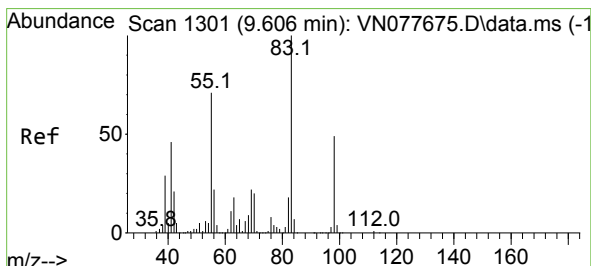
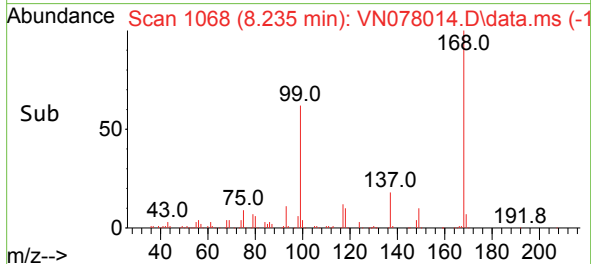
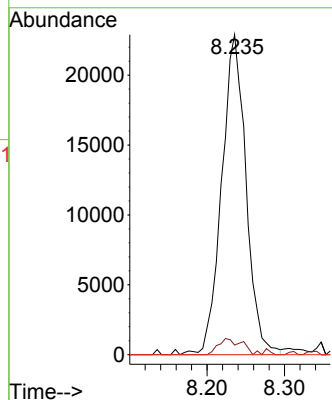
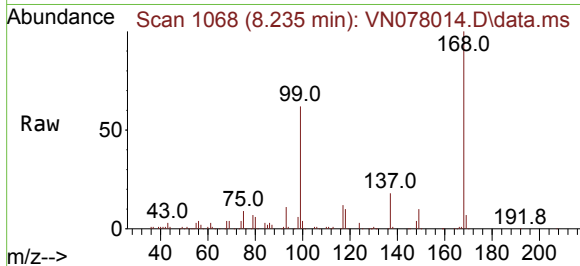




#38
Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

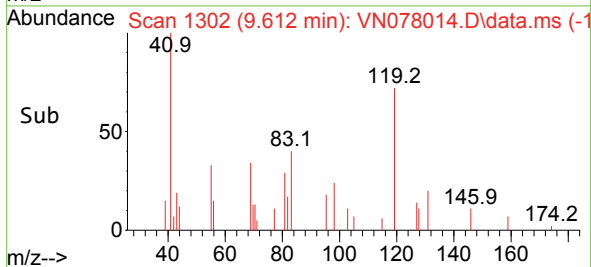
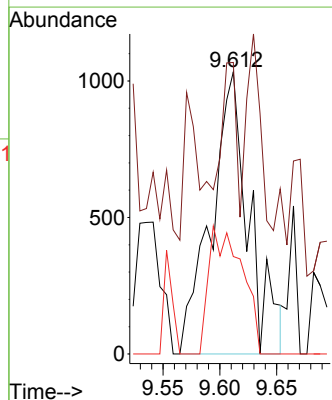
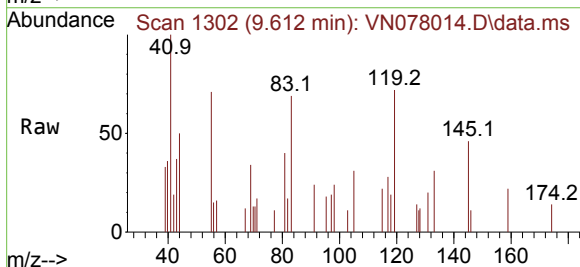
Instrument :
MSVOA_N
ClientSampleId :
IBLK

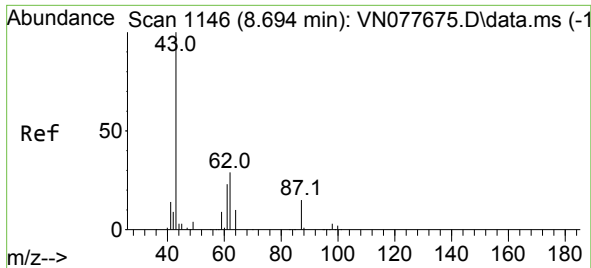
Tgt Ion:117 Resp: 50055
Ion Ratio Lower Upper
117 100
119 3.0 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.256 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 83 Resp: 2384
Ion Ratio Lower Upper
83 100
55 63.0 49.1 73.7
98 34.6 40.6 61.0#

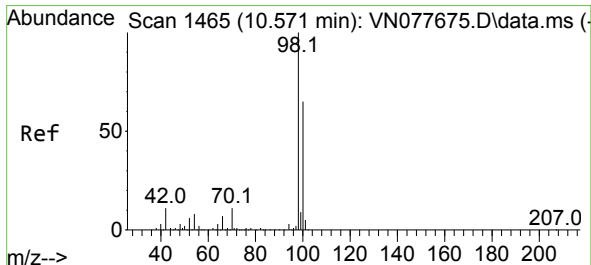
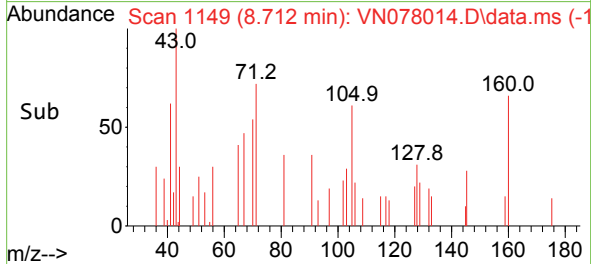
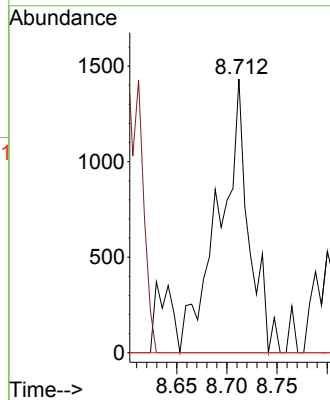
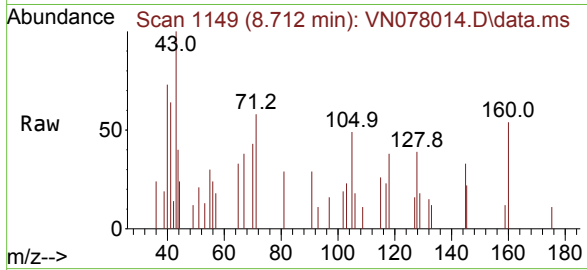




#43
Isopropyl Acetate
Concen: 0.269 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.018 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

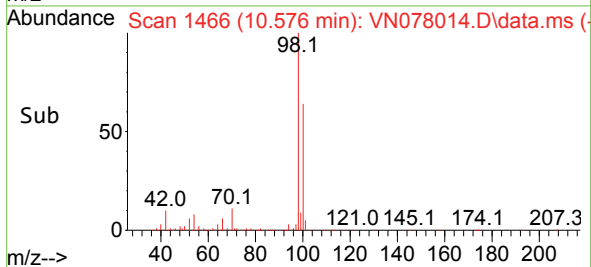
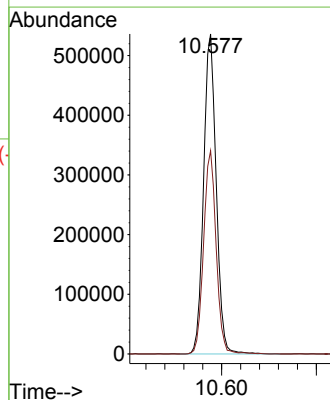
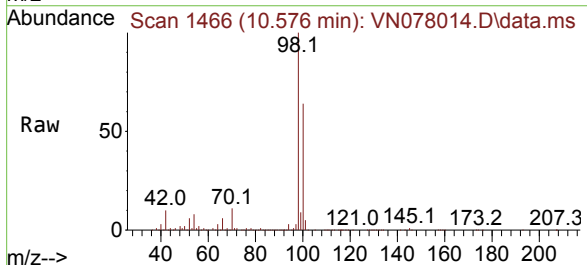
Instrument :
MSVOA_N
ClientSampleId :
IBLK

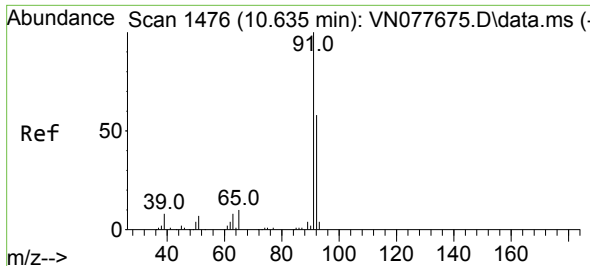
Tgt Ion: 43 Resp: 2979
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.363 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 98 Resp: 988748
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

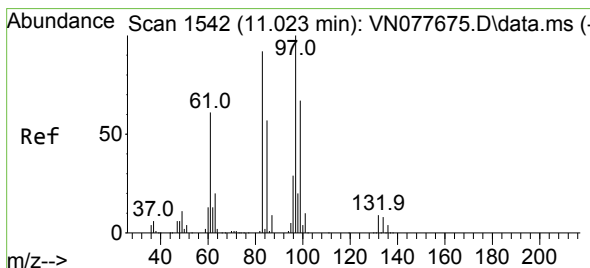
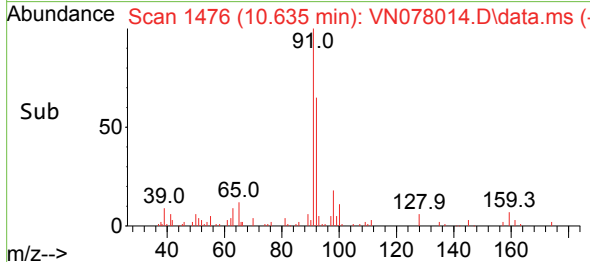
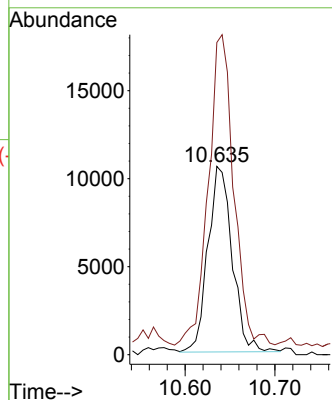
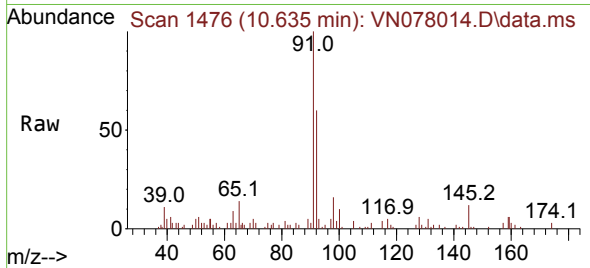




#52
Toluene
Concen: 1.419 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

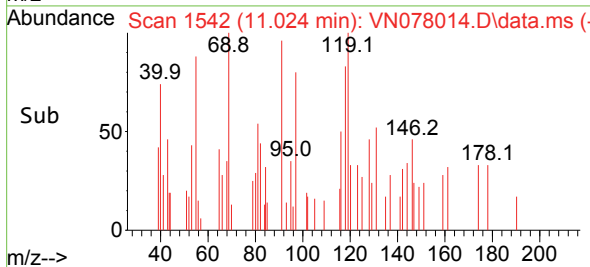
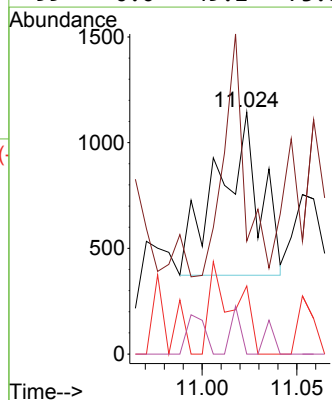
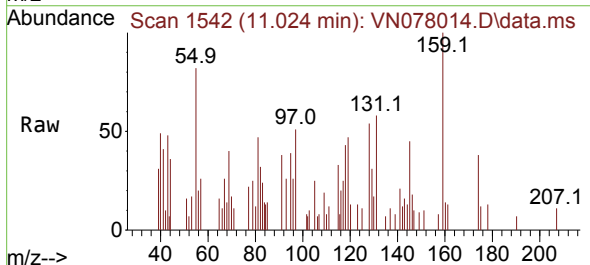
Instrument :
MSVOA_N
ClientSampleId :
IBLK

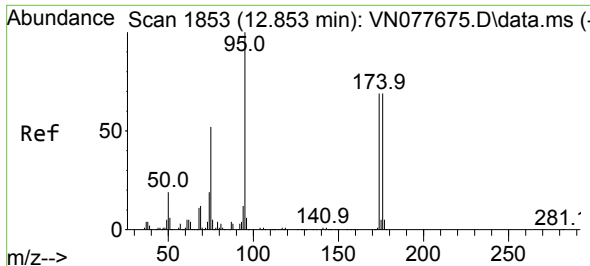
Tgt Ion: 92 Resp: 19842
Ion Ratio Lower Upper
92 100
91 174.4 137.4 206.0



#55
1,1,2-Trichloroethane
Concen: 0.213 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 97 Resp: 1183
Ion Ratio Lower Upper
97 100
83 0.0 65.1 97.7#
85 41.8 43.4 65.2#
99 0.0 49.2 73.8#

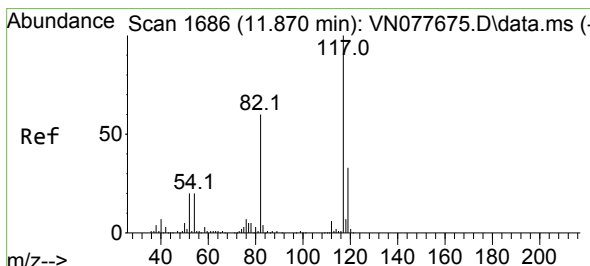
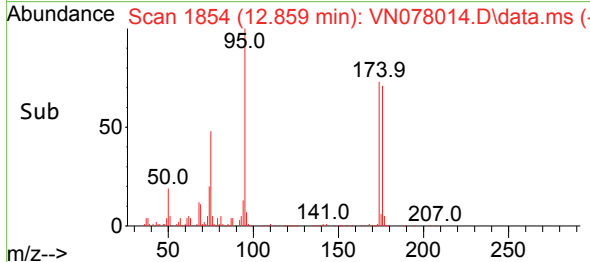
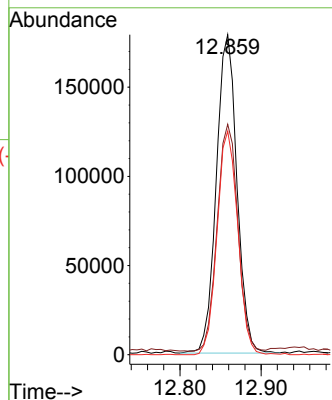
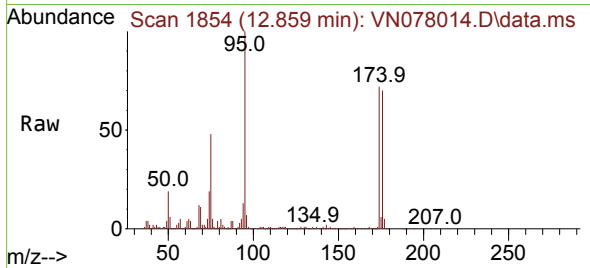




#62
4-Bromofluorobenzene
Concen: 44.637 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

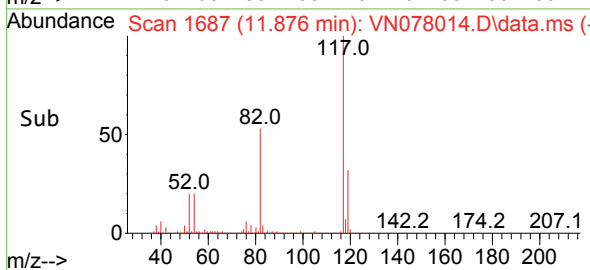
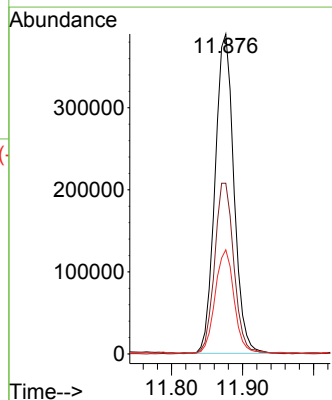
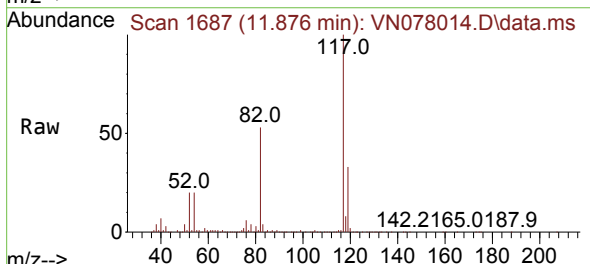
Instrument :
MSVOA_N
ClientSampleId :
IBLK

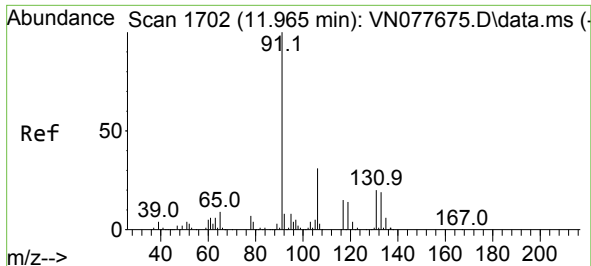
Tgt Ion: 95 Resp: 315774
Ion Ratio Lower Upper
95 100
174 71.8 0.0 143.8
176 70.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 117 Resp: 717623
Ion Ratio Lower Upper
117 100
82 53.3 44.0 66.0
119 32.3 25.6 38.4

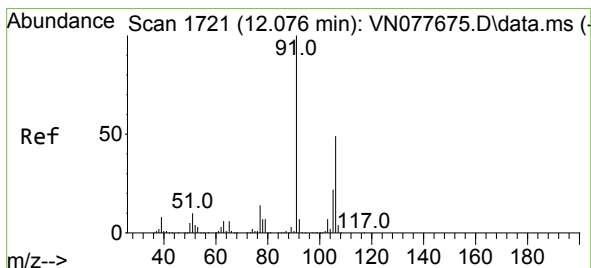
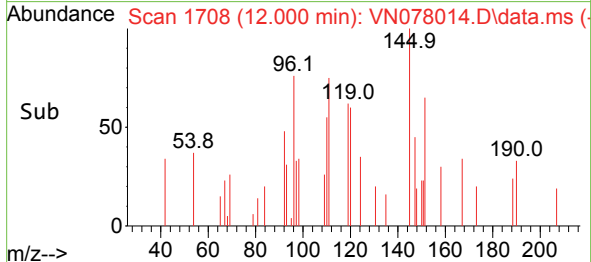
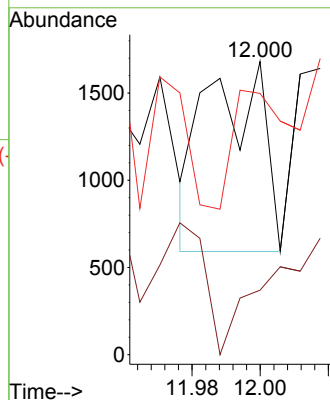
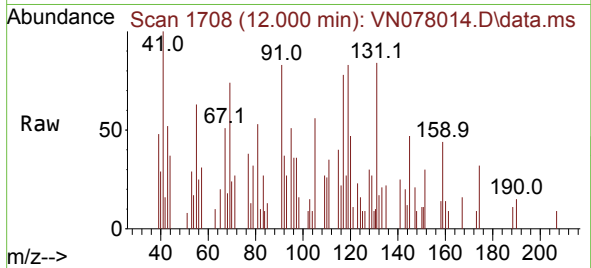




#66
1,1,1,2-Tetrachloroethane
Concen: 0.234 ug/l
RT: 12.000 min Scan# 1708
Delta R.T. 0.035 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

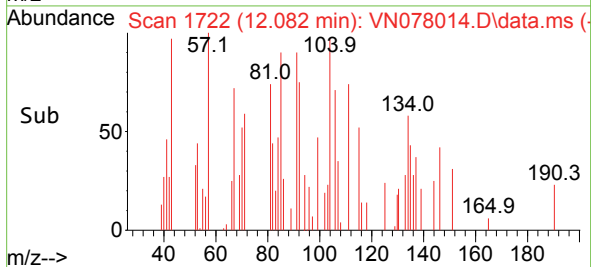
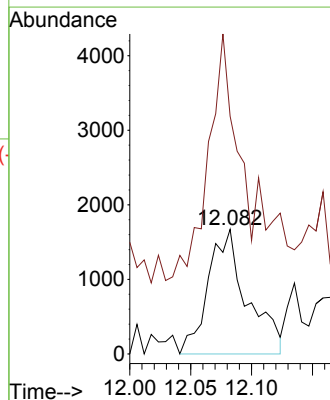
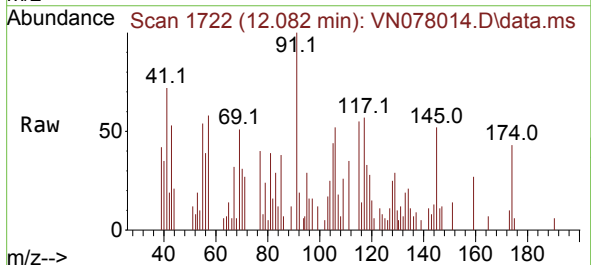
Instrument :
MSVOA_N
ClientSampleId :
IBLK

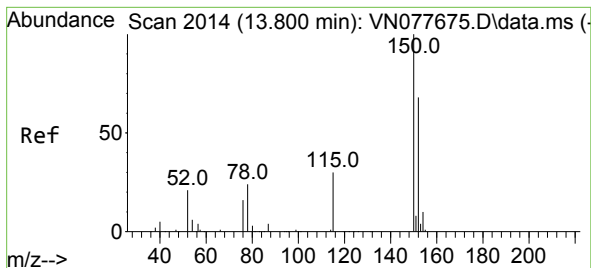
Tgt Ion:131 Resp: 1261
Ion Ratio Lower Upper
131 100
133 0.0 46.4 139.1#
119 0.0 34.1 102.2#



#68
m/p-Xylenes
Concen: 0.352 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion:106 Resp: 3720
Ion Ratio Lower Upper
106 100
91 181.9 159.6 239.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

IBLK

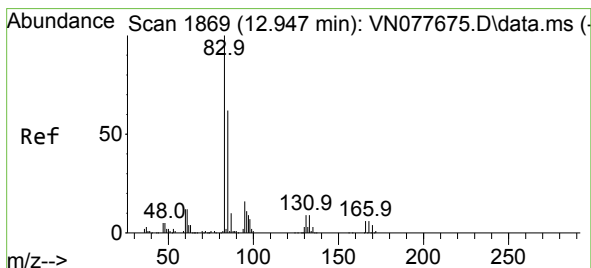
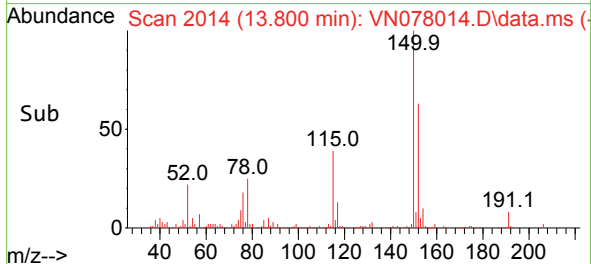
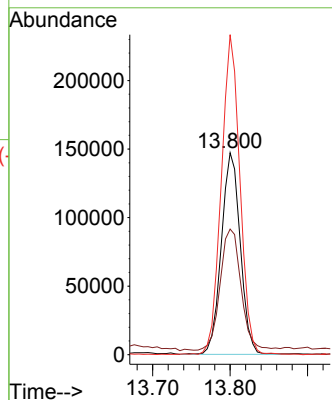
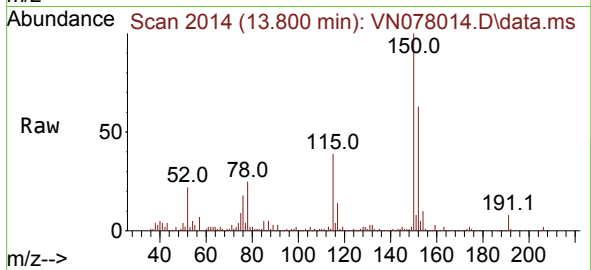
Tgt Ion:152 Resp: 249604

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 156.7 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: 0.299 ug/l

RT: 12.900 min Scan# 1861

Delta R.T. -0.047 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

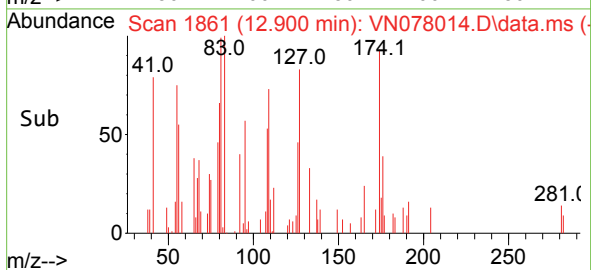
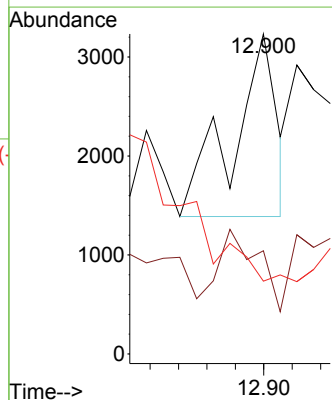
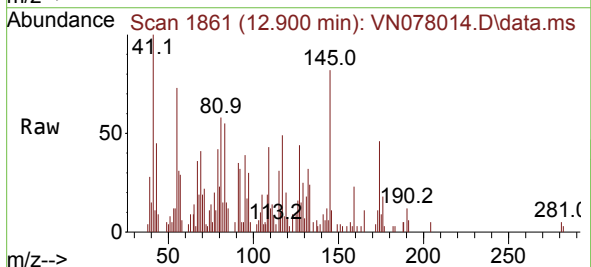
Tgt Ion: 83 Resp: 1979

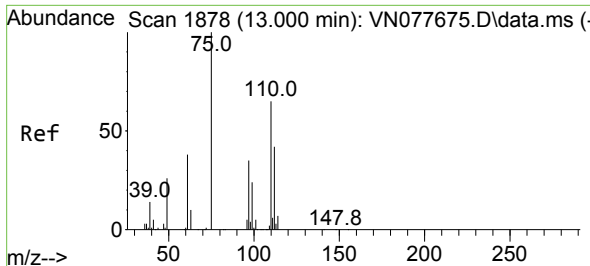
Ion Ratio Lower Upper

83 100

131 40.8 5.0 15.0#

85 0.0 31.9 95.7#

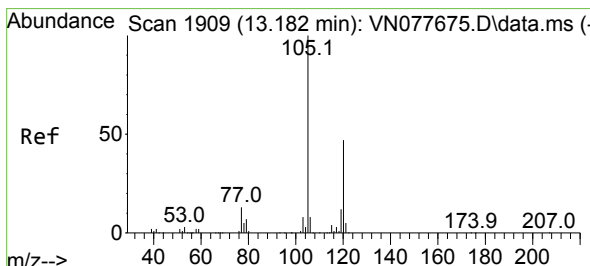
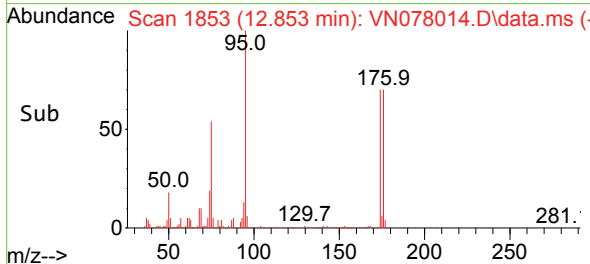
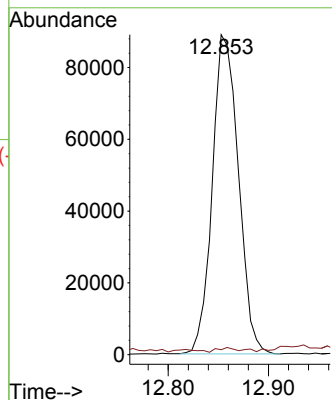
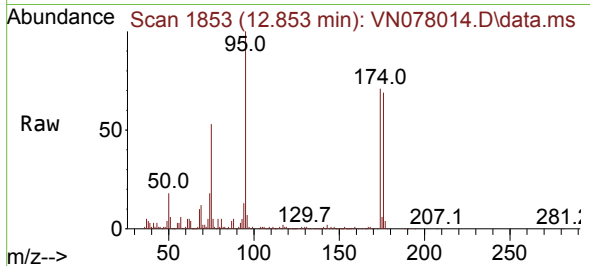




#76
1,2,3-Trichloropropane
Concen: 25.761 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

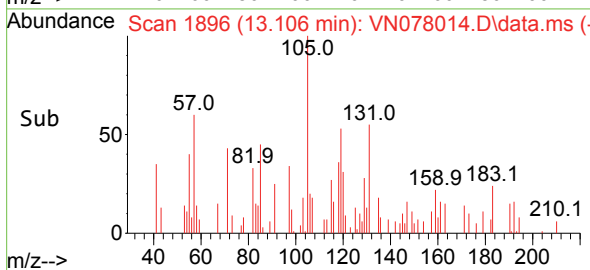
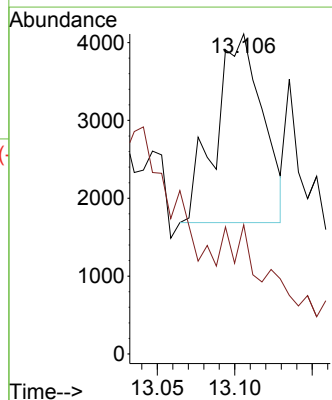
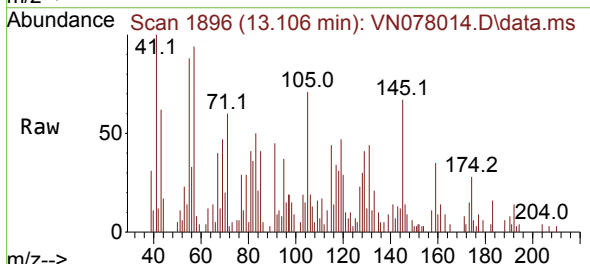
Instrument :
MSVOA_N
ClientSampleId :
IBLK

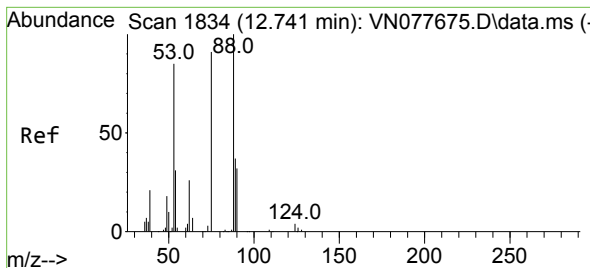
Tgt Ion: 75 Resp: 161034
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.281 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.076 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion:105 Resp: 5076
Ion Ratio Lower Upper
105 100
120 0.0 24.1 72.3#

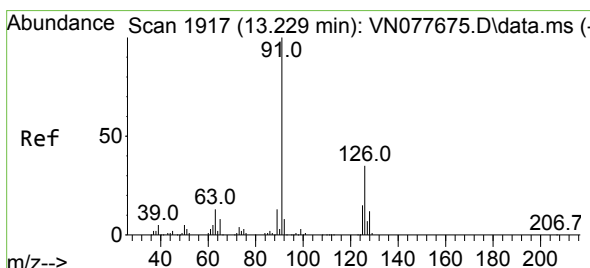
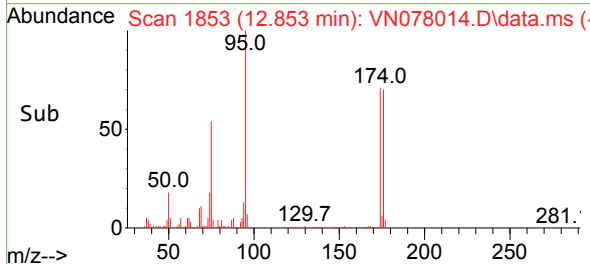
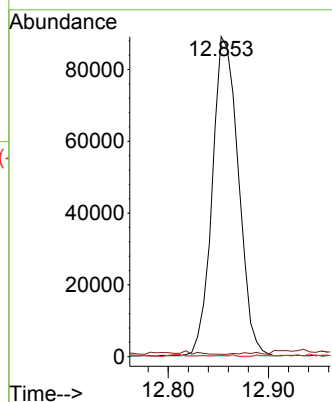
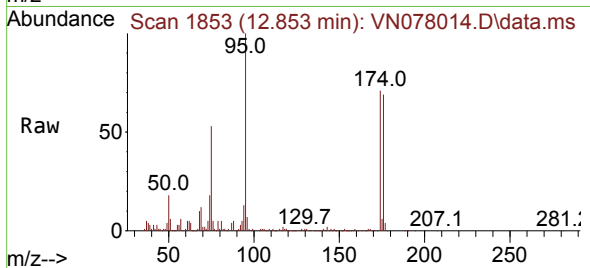




#81
trans-1,4-Dichloro-2-butene
Concen: 82.347 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

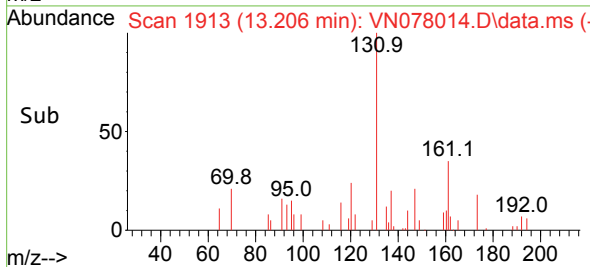
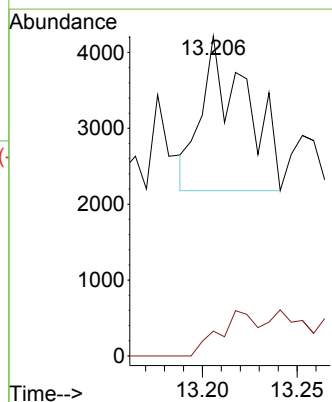
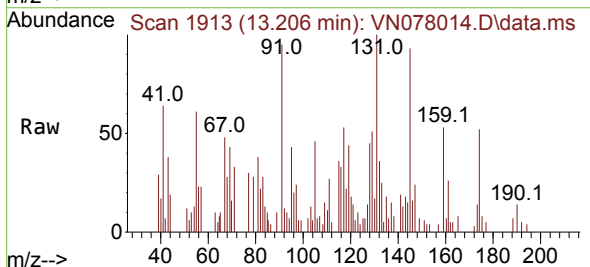
Instrument :
MSVOA_N
ClientSampleId :
IBLK

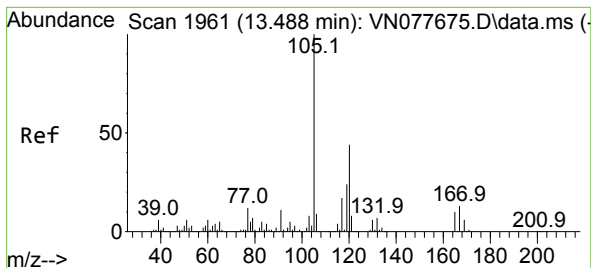
Tgt Ion: 75 Resp: 161034
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.220 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. -0.023 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion: 91 Resp: 3314
Ion Ratio Lower Upper
91 100
126 24.4 16.7 50.0





#84

1,2,4-Trimethylbenzene

Concen: 0.375 ug/l

RT: 13.494 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

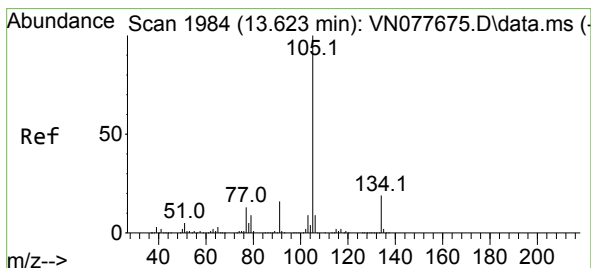
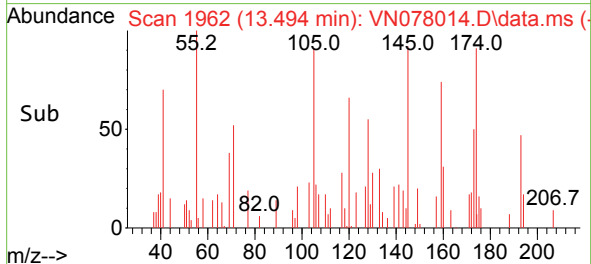
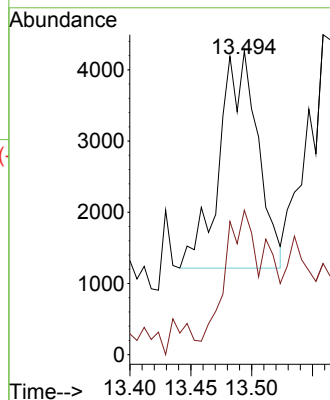
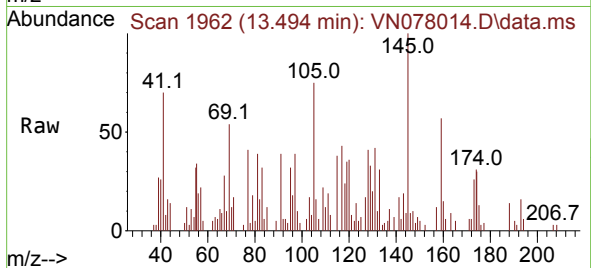
IBLK

Tgt Ion:105 Resp: 6669

Ion Ratio Lower Upper

105 100

120 45.7 22.0 66.0



#85

sec-Butylbenzene

Concen: 0.700 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.029 min

Lab File: VN078014.D

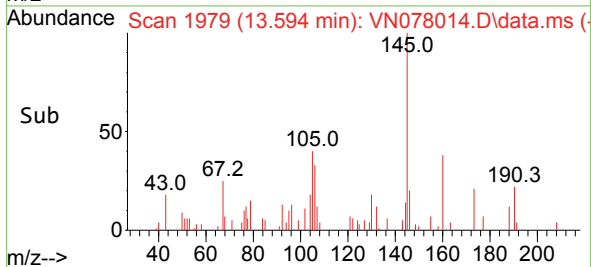
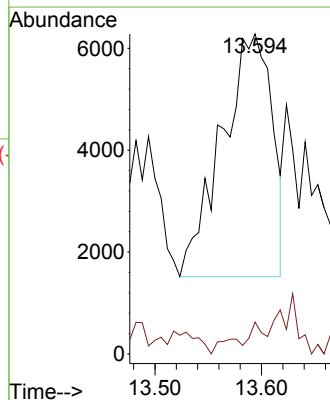
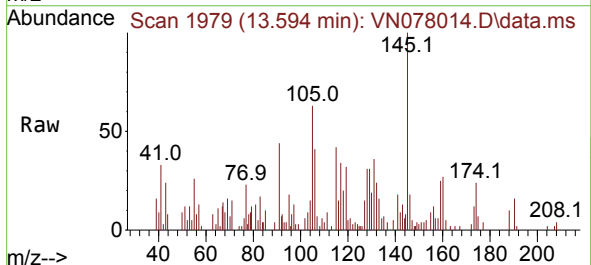
Acq: 01 Jun 2023 16:50

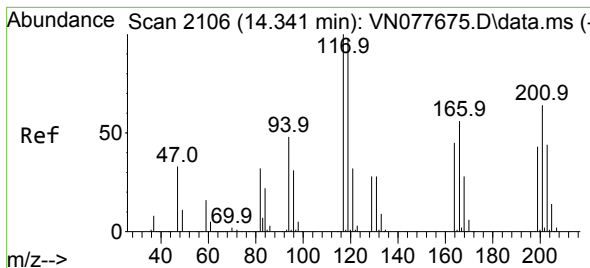
Tgt Ion:105 Resp: 15699

Ion Ratio Lower Upper

105 100

134 2.3 9.8 29.3#





#90

Hexachloroethane

Concen: 1.306 ug/l

RT: 14.353 min Scan# 2106

Delta R.T. 0.012 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

Instrument :

MSVOA_N

ClientSampleId :

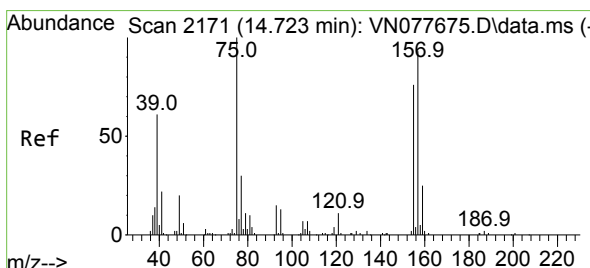
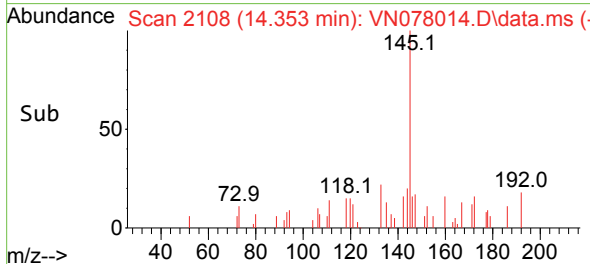
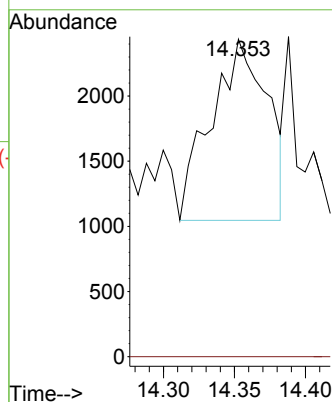
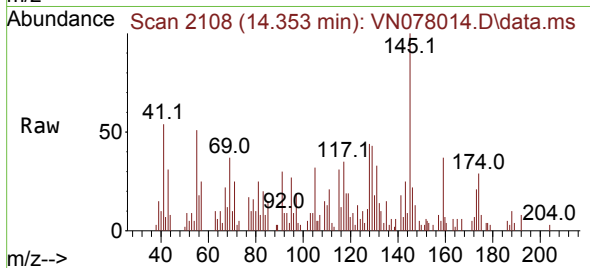
IBLK

Tgt Ion:117 Resp: 3836

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.202 ug/l

RT: 14.729 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VN078014.D

Acq: 01 Jun 2023 16:50

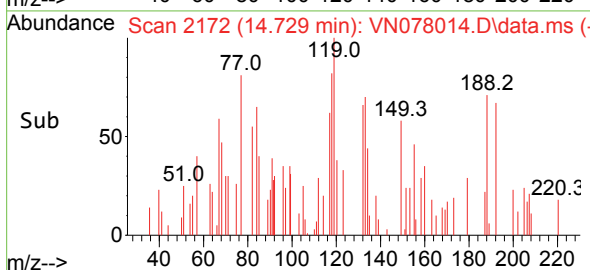
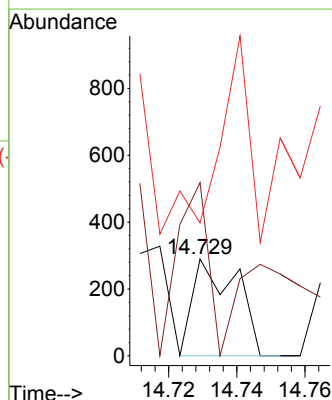
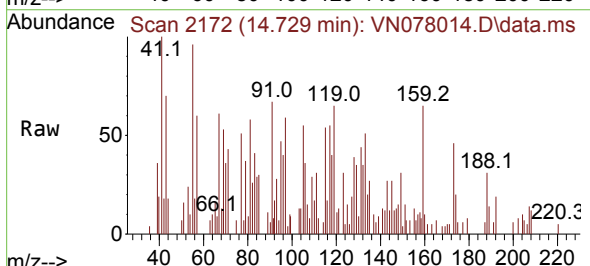
Tgt Ion: 75 Resp: 259

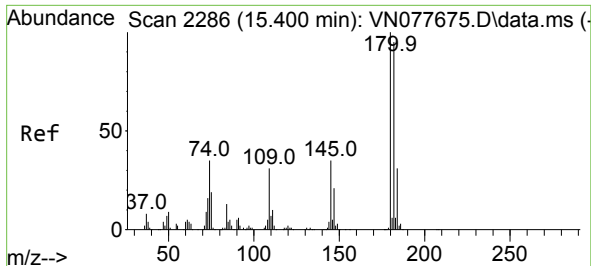
Ion Ratio Lower Upper

75 100

155 124.3 39.1 117.2#

157 123.2 50.3 150.9

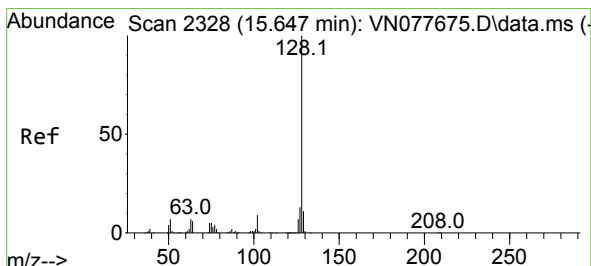
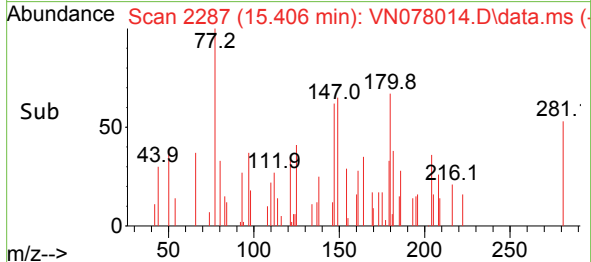
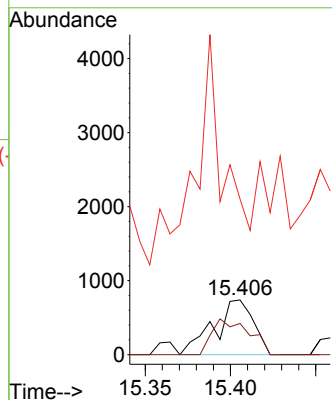
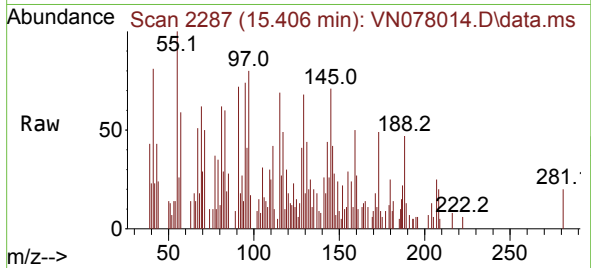




#93
1,2,4-Trichlorobenzene
Concen: 0.239 ug/l
RT: 15.406 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:180 Resp: 1183
Ion Ratio Lower Upper
180 100
182 61.6 46.1 138.2
145 318.8 16.6 49.8#



#95
Naphthalene
Concen: 0.813 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078014.D
Acq: 01 Jun 2023 16:50

Tgt Ion:128 Resp: 13873
Ion Ratio Lower Upper
128 100
127 21.4 10.0 15.0#
129 52.6 8.7 13.1#

