

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022423\
 Data File : VX034260.D
 Acq On : 24 Feb 2023 12:52
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 24 22:21:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

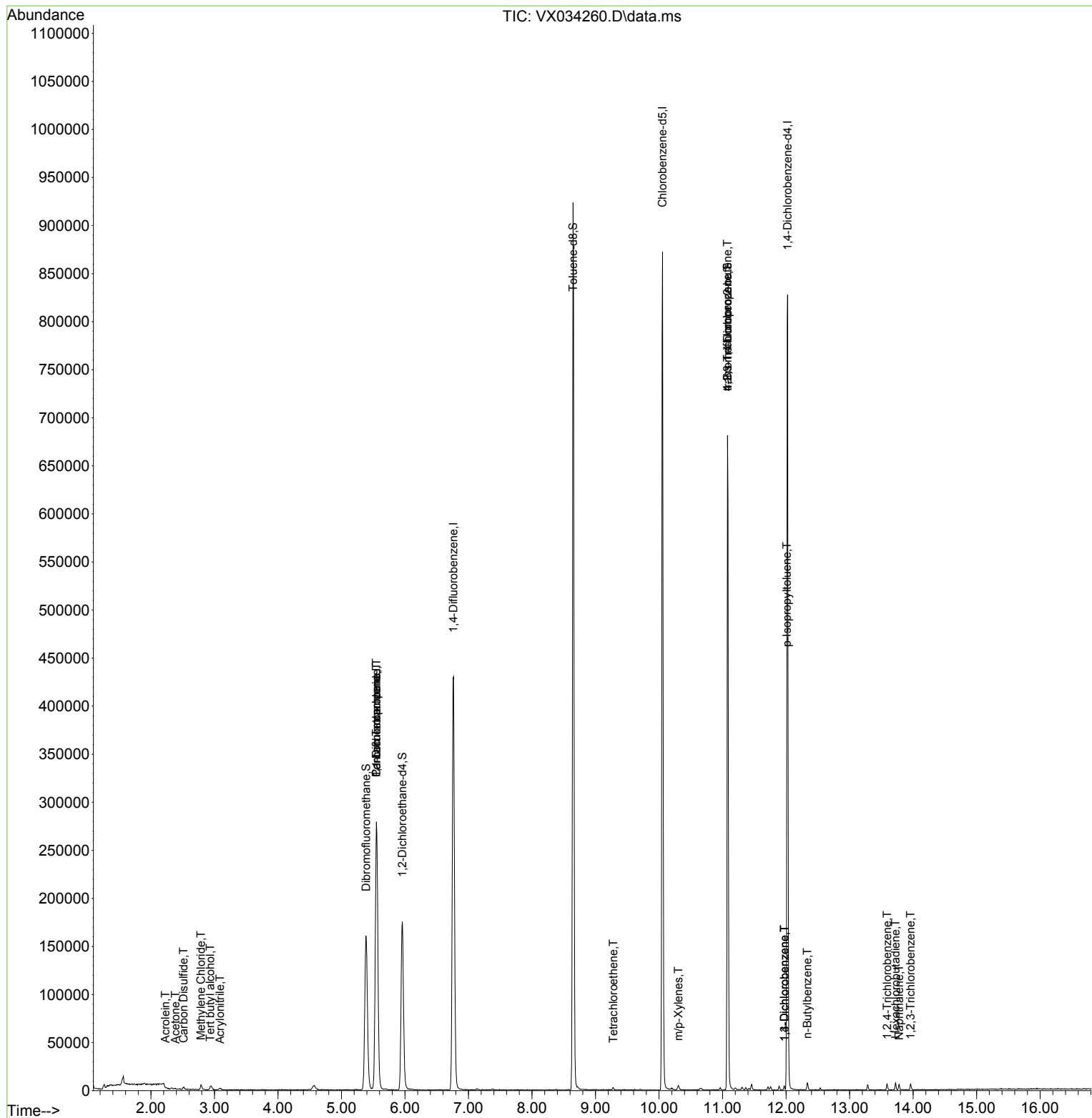
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	280572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	456454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160910	42.584	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.160%
35) Dibromofluoromethane	5.385	113	141611	47.649	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.300%
50) Toluene-d8	8.646	98	542593	50.851	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.700%
62) 4-Bromofluorobenzene	11.079	95	182200	44.641	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.280%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	476	Below Cal		92
11) Tert butyl alcohol	2.934	59	2472	2.925 ug/l	#	90
13) Acrolein	2.227	56	335	0.868 ug/l	#	44
15) Acrylonitrile	3.086	53	595	0.323 ug/l	#	87
16) Acetone	2.385	43	1260	0.646 ug/l	#	81
17) Carbon Disulfide	2.513	76	2860	0.328 ug/l		99
20) Methylene Chloride	2.788	84	2152	0.613 ug/l	#	90
36) 1,1-Dichloropropene	5.549	75	20565	4.679 ug/l	#	49
38) Carbon Tetrachloride	5.549	117	26864	5.940 ug/l	#	15
64) Tetrachloroethene	9.280	164	584	0.207 ug/l	#	74
68) m/p-Xylenes	10.305	106	1175	0.205 ug/l		93
76) 1,2,3-Trichloropropane	11.079	75	89996	20.474 ug/l	#	34
81) trans-1,4-Dichloro-2-b...	11.079	75	89996	52.597 ug/l	#	8
86) p-Isopropyltoluene	12.012	119	2318	0.201 ug/l	#	76
87) 1,3-Dichlorobenzene	11.975	146	1513	0.252 ug/l		91
88) 1,4-Dichlorobenzene	11.975	146	1513	0.250 ug/l		90
89) n-Butylbenzene	12.335	91	2465	0.240 ug/l		94
93) 1,2,4-Trichlorobenzene	13.591	180	1783	0.472 ug/l		95
94) Hexachlorobutadiene	13.725	225	1039	0.664 ug/l		98
95) Naphthalene	13.780	128	4368	0.344 ug/l		98
96) 1,2,3-Trichlorobenzene	13.963	180	1582	0.422 ug/l		88

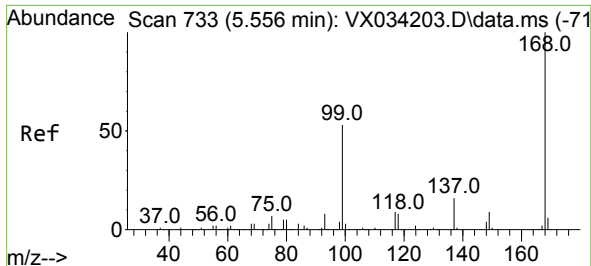
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
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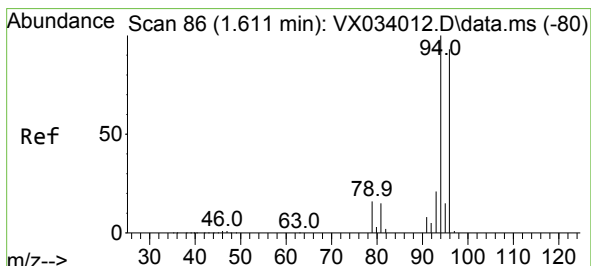
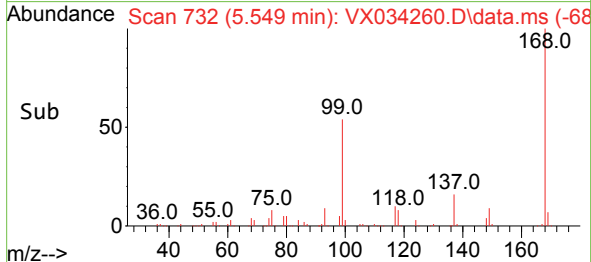
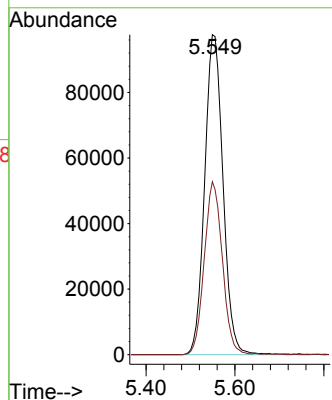
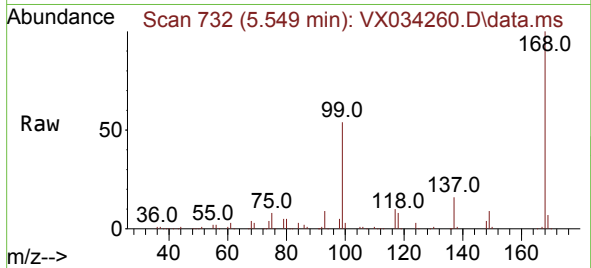




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

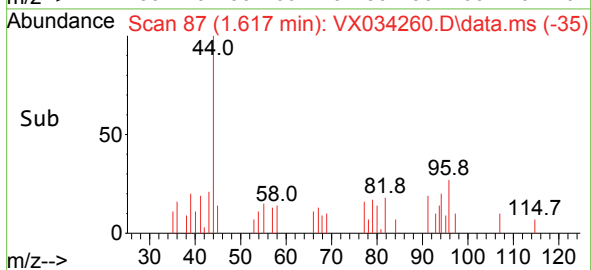
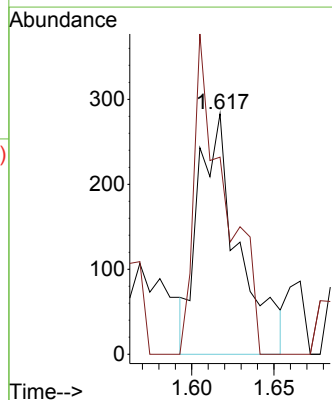
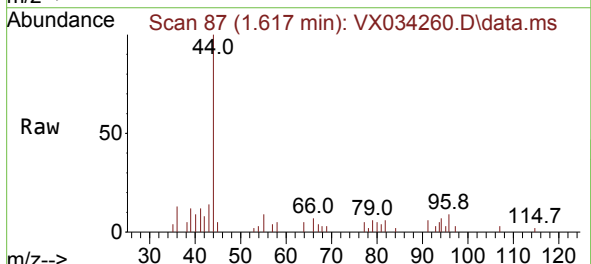
Instrument :
MSVOA_X
ClientSampleId :
IBLK

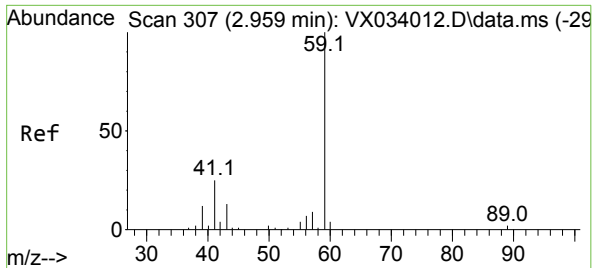
Tgt Ion:168 Resp: 280572
Ion Ratio Lower Upper
168 100
99 54.0 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 100.4 74.3 111.5

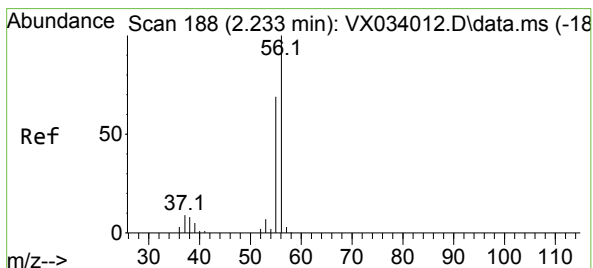
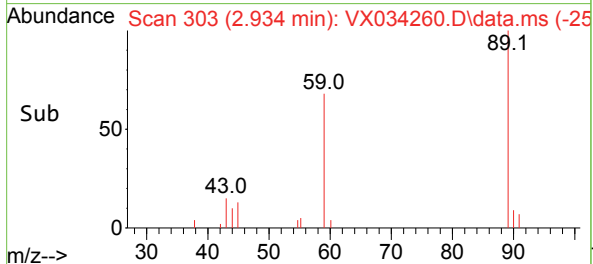
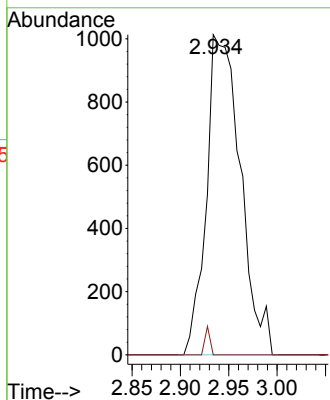
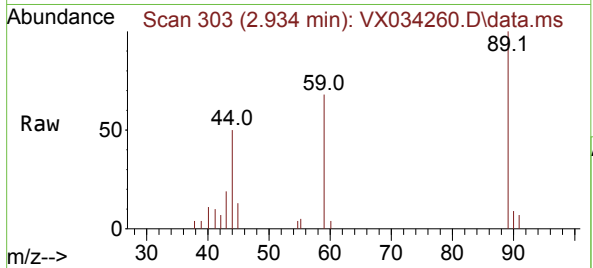




#11
Tert butyl alcohol
Concen: 2.925 ug/l
RT: 2.934 min Scan# 307
Delta R.T. -0.019 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

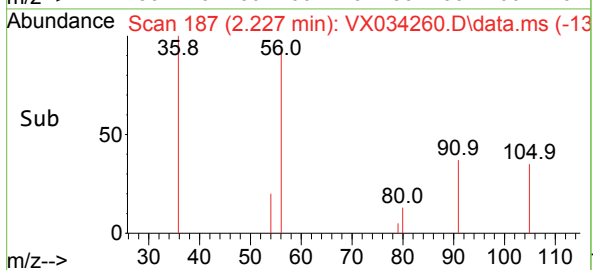
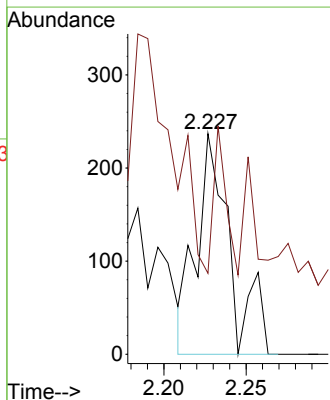
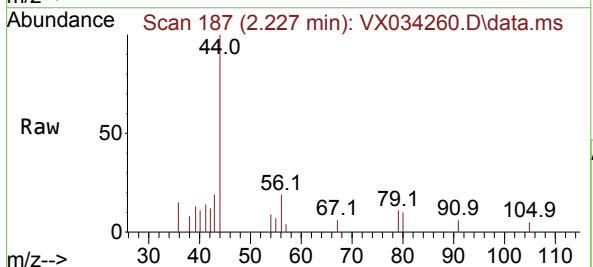
Instrument :
MSVOA_X
ClientSampleId :
IBLK

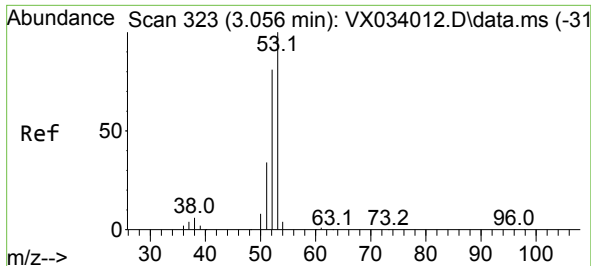
Tgt Ion: 59 Resp: 2472
Ion Ratio Lower Upper
59 100
57 1.3 3.7 5.5#



#13
Acrolein
Concen: 0.868 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 24.2 56.3 84.5#

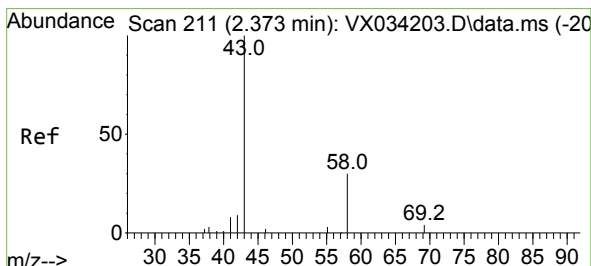
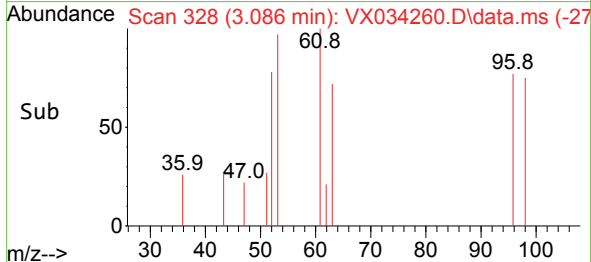
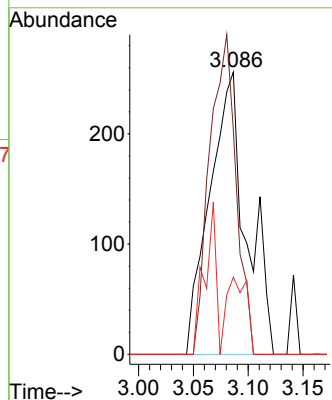
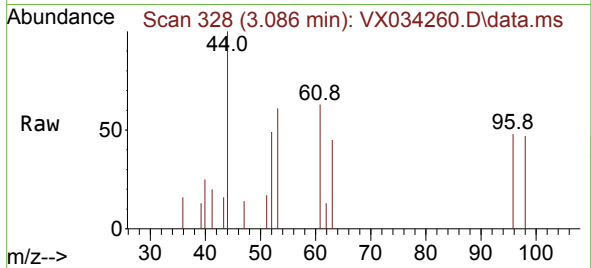




#15
Acrylonitrile
Concen: 0.323 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.030 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

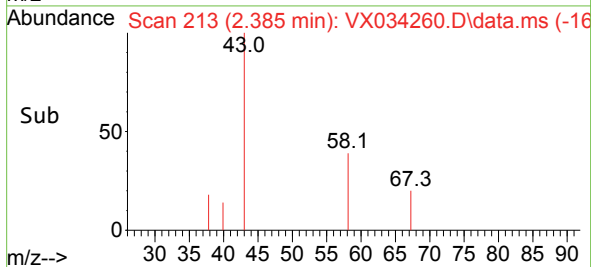
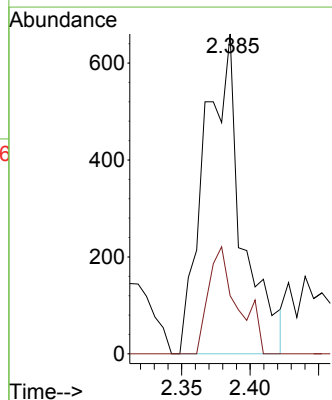
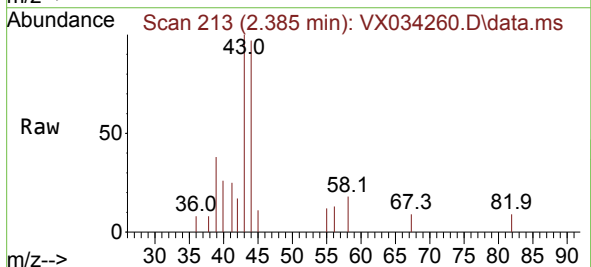
Instrument :
MSVOA_X
ClientSampleId :
IBLK

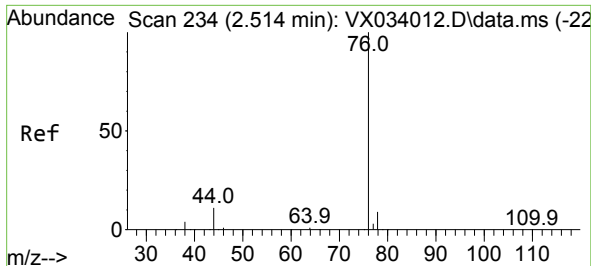
Tgt Ion: 53 Resp: 595
Ion Ratio Lower Upper
53 100
52 81.8 65.7 98.5
51 11.9 29.0 43.4#



#16
Acetone
Concen: 0.646 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 18.2 22.6 33.8#





#17

Carbon Disulfide

Concen: 0.328 ug/l

RT: 2.513 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

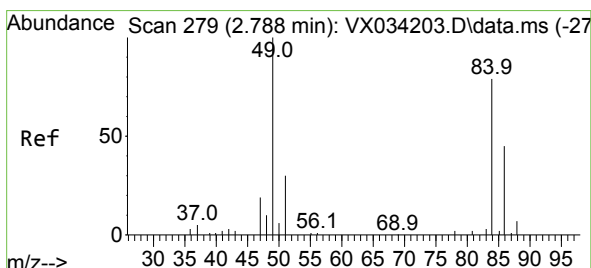
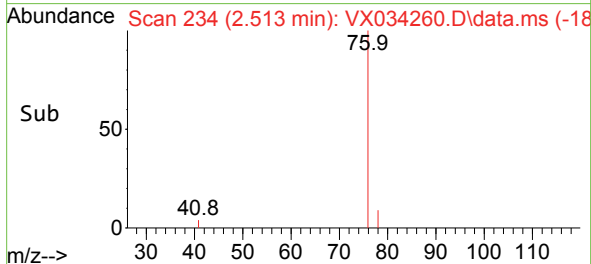
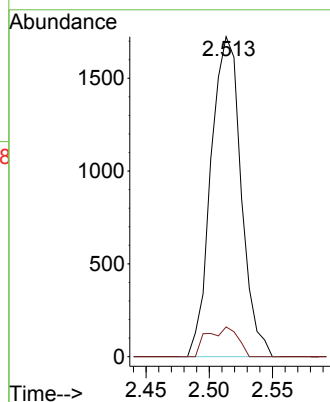
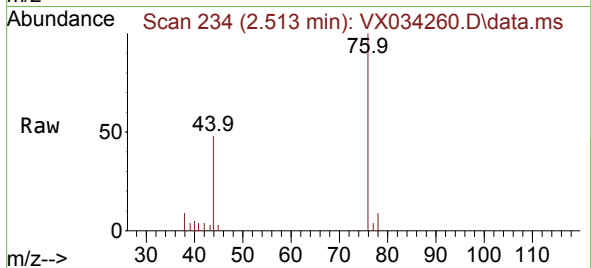
IBLK

Tgt Ion: 76 Resp: 2860

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



#20

Methylene Chloride

Concen: 0.613 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

Tgt Ion: 84 Resp: 2152

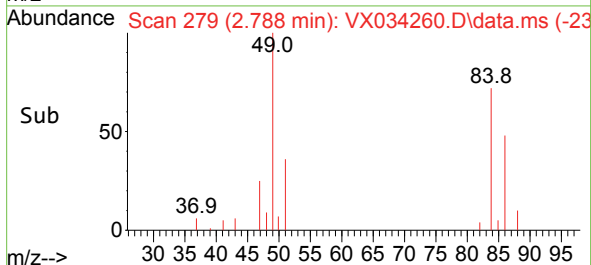
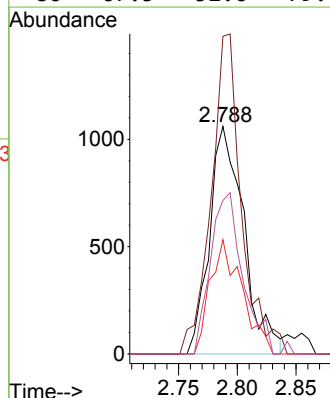
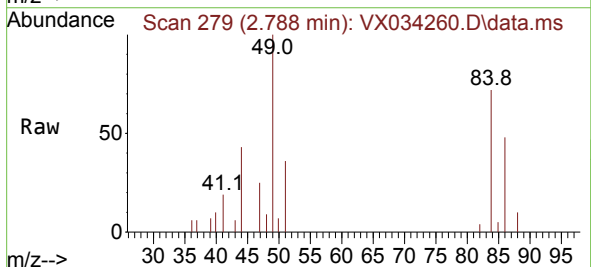
Ion Ratio Lower Upper

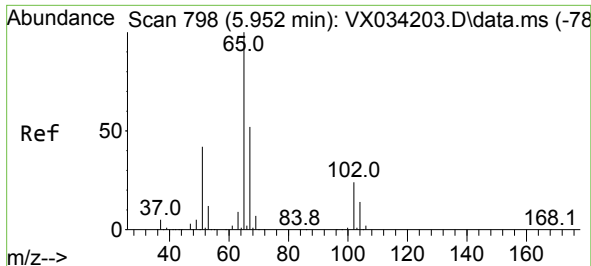
84 100

49 139.6 101.1 151.7

51 50.2 31.0 46.6#

86 67.5 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 42.584 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

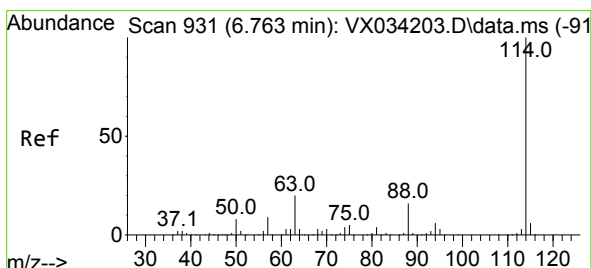
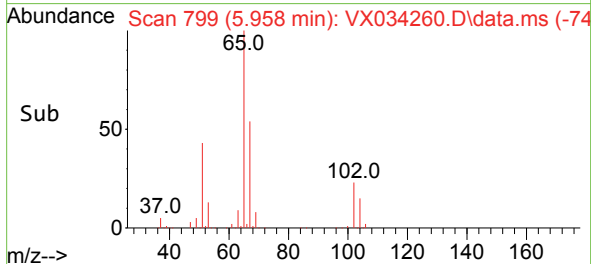
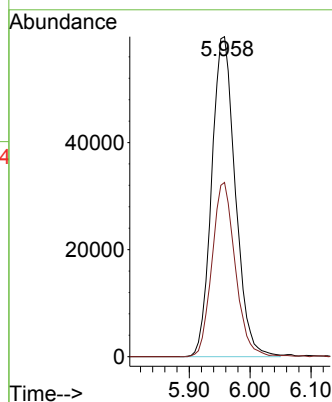
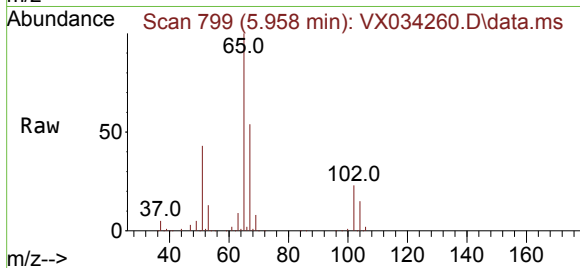
IBLK

Tgt Ion: 65 Resp: 160910

Ion Ratio Lower Upper

65 100

67 53.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

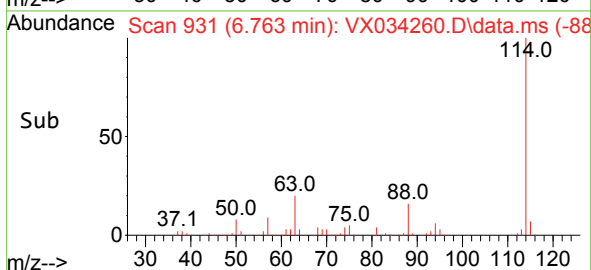
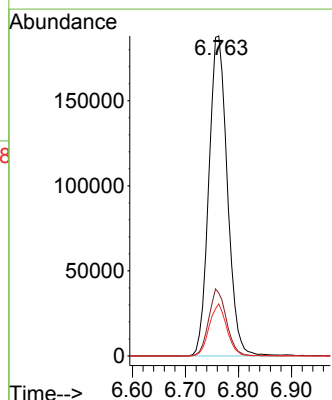
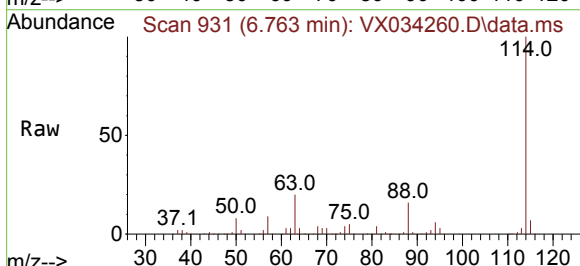
Tgt Ion: 114 Resp: 456454

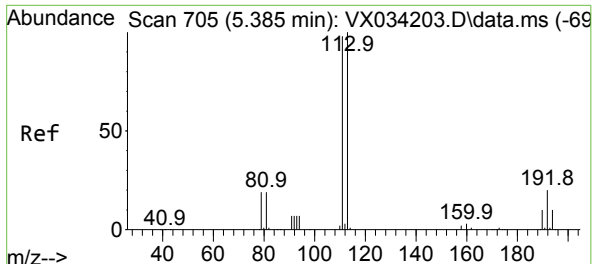
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 16.3 0.0 30.6

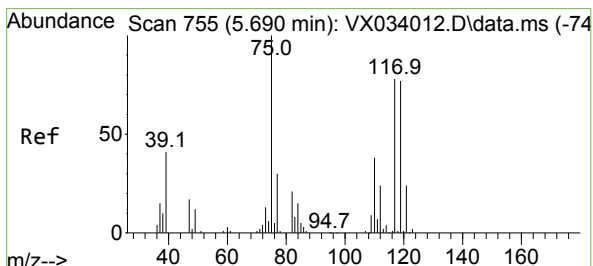
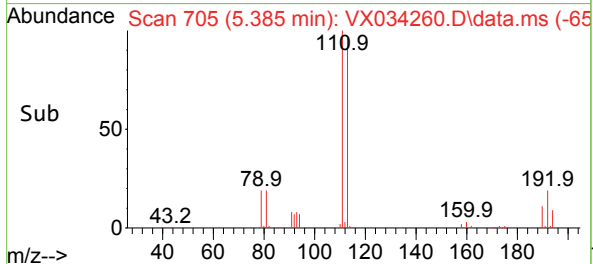
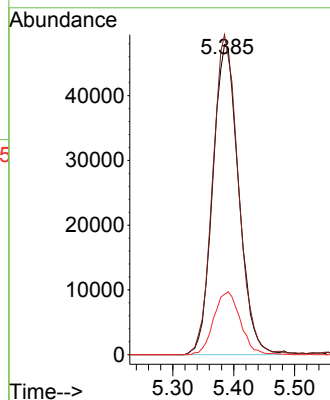
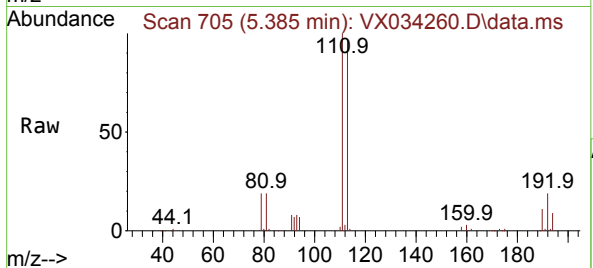




#35
Dibromofluoromethane
Concen: 47.649 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

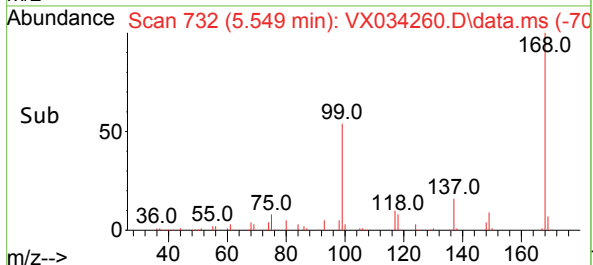
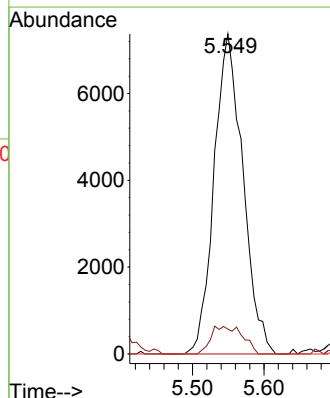
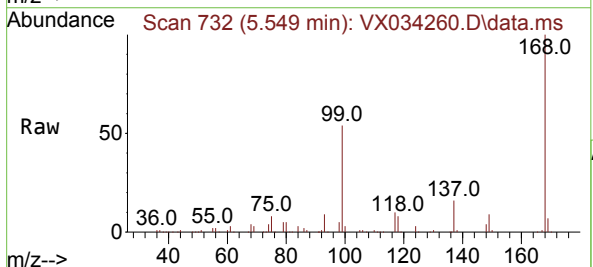
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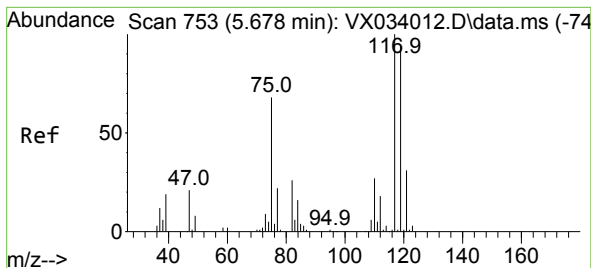
Tgt Ion:113 Resp: 141611
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.6
192 20.8 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.679 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

Tgt Ion: 75 Resp: 20565
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.940 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX034260.D

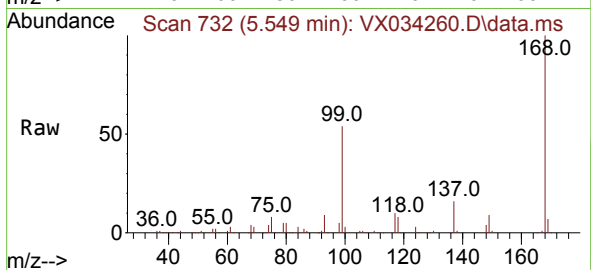
Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK



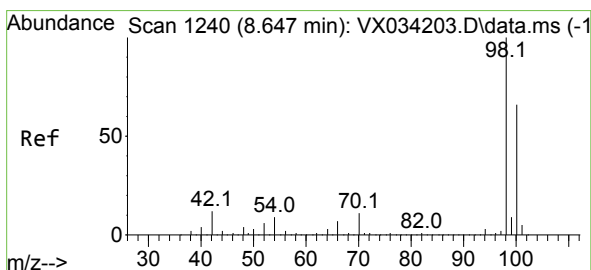
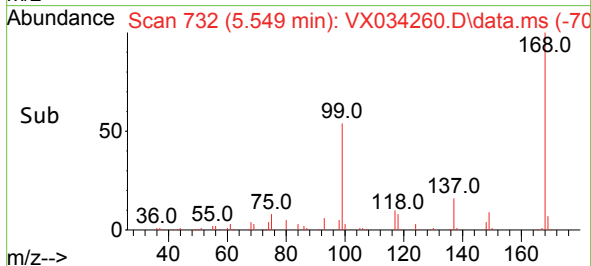
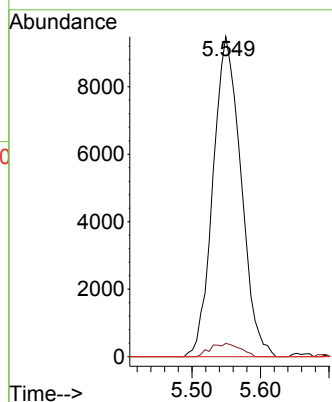
Tgt Ion:117 Resp: 26864

Ion Ratio Lower Upper

117 100

119 4.1 78.0 117.0#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 50.851 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034260.D

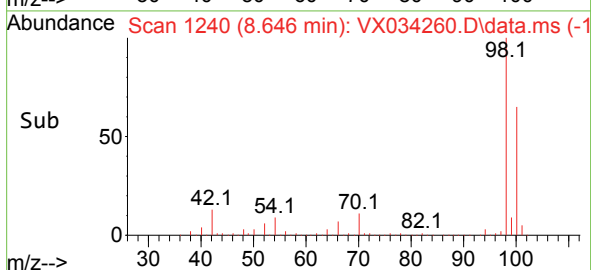
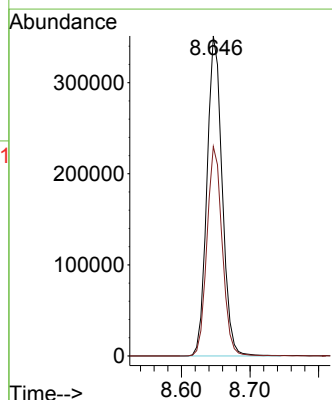
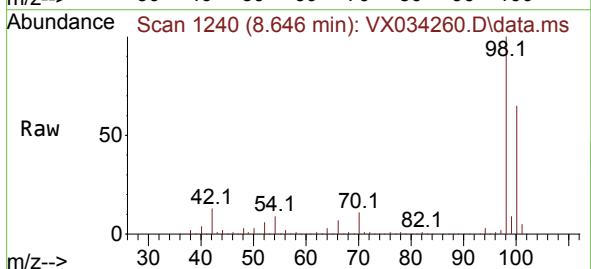
Acq: 24 Feb 2023 12:52

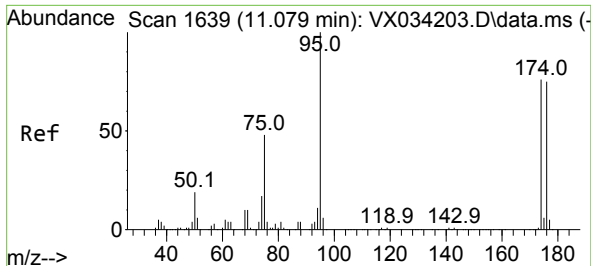
Tgt Ion: 98 Resp: 542593

Ion Ratio Lower Upper

98 100

100 65.8 53.6 80.4

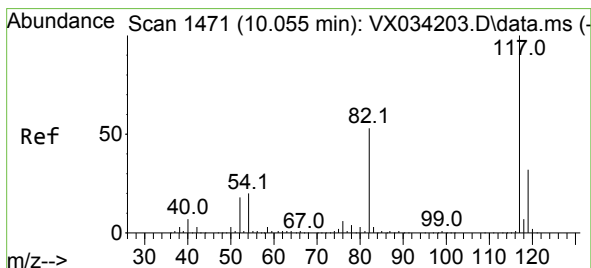
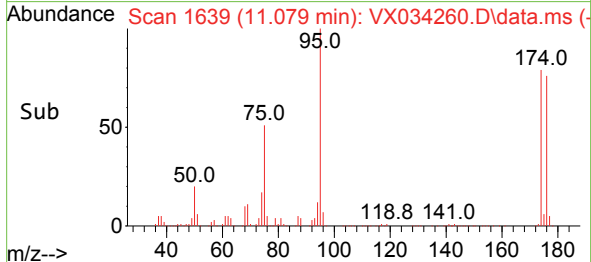
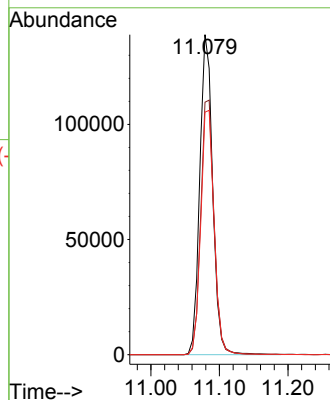
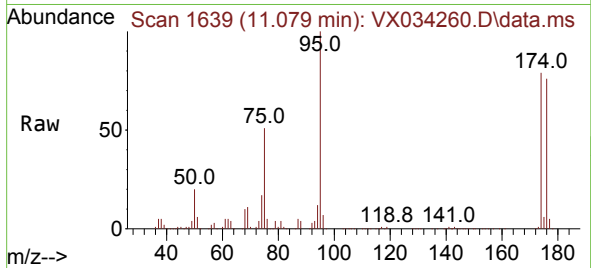




#62
4-Bromofluorobenzene
Concen: 44.641 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

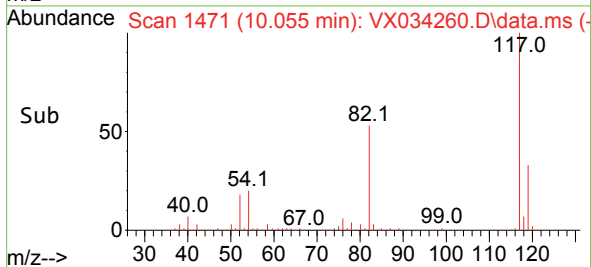
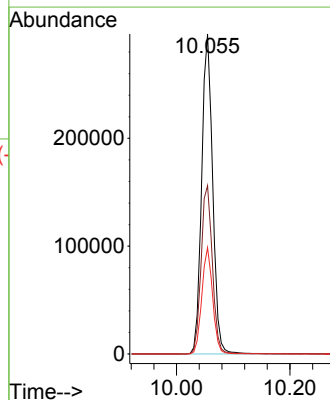
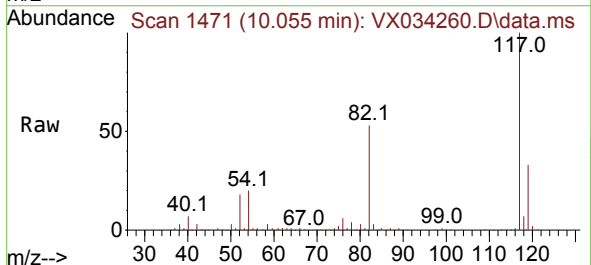
Instrument :
MSVOA_X
ClientSampleId :
IBLK

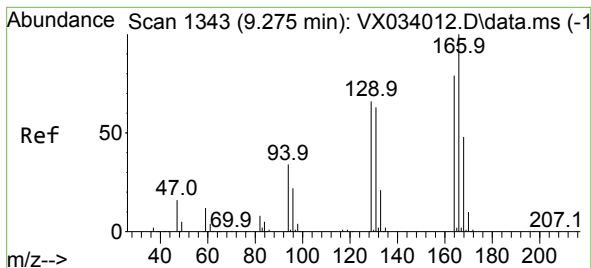
Tgt Ion: 95 Resp: 182200
Ion Ratio Lower Upper
95 100
174 82.3 0.0 184.4
176 79.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

Tgt Ion: 117 Resp: 400417
Ion Ratio Lower Upper
117 100
82 52.6 40.6 60.8
119 33.2 25.6 38.4





#64

Tetrachloroethene

Concen: 0.207 ug/l

RT: 9.280 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX034260.D

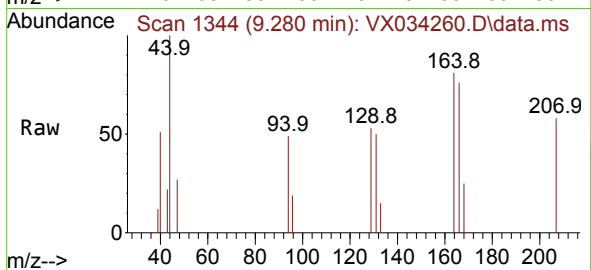
Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:164 Resp: 584

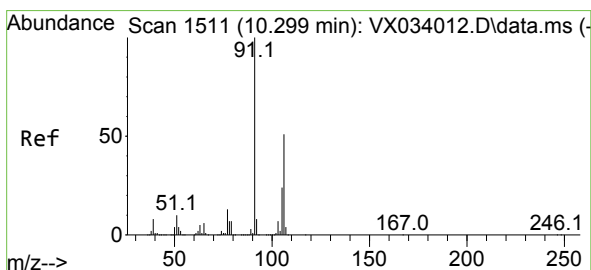
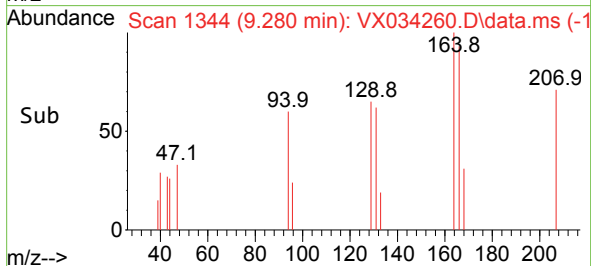
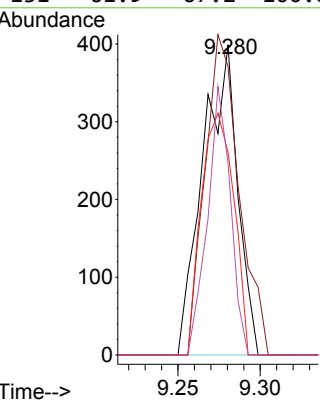
Ion Ratio Lower Upper

164 100

166 93.0 100.2 150.2#

129 65.4 69.2 103.8#

131 61.9 67.2 100.8#



#68

m/p-Xylenes

Concen: 0.205 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX034260.D

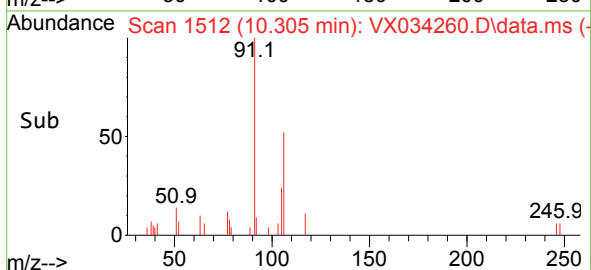
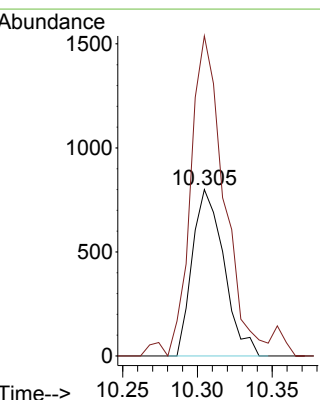
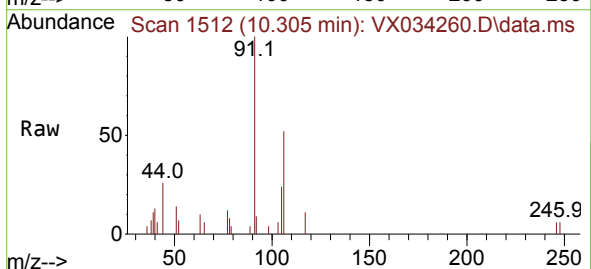
Acq: 24 Feb 2023 12:52

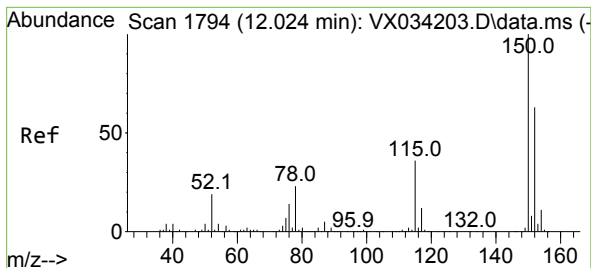
Tgt Ion:106 Resp: 1175

Ion Ratio Lower Upper

106 100

91 206.2 156.4 234.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

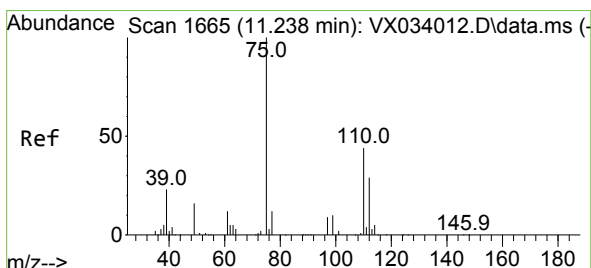
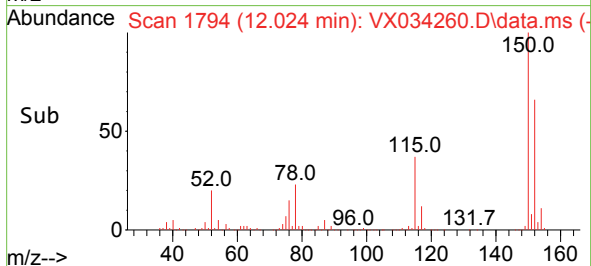
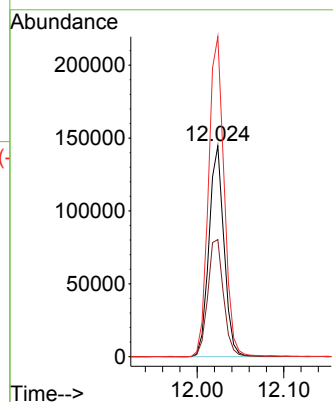
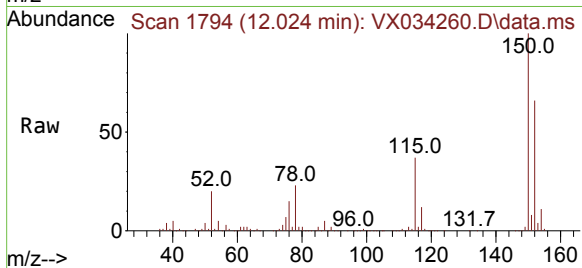
Tgt Ion:152 Resp: 174683

Ion Ratio Lower Upper

152 100

115 58.3 38.7 116.1

150 157.9 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 20.474 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034260.D

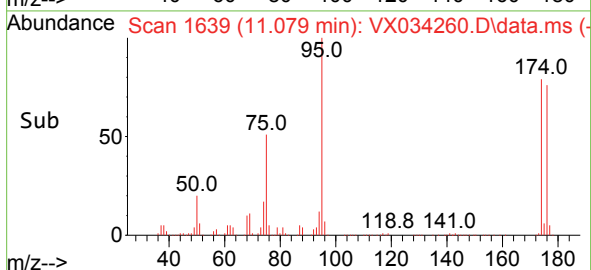
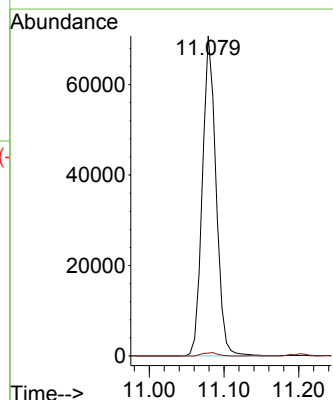
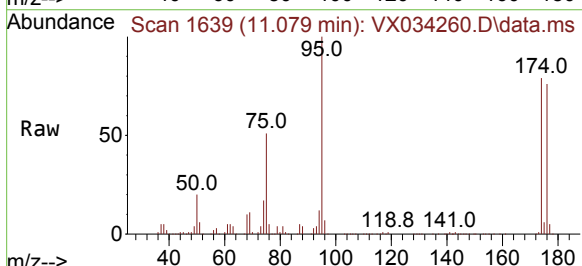
Acq: 24 Feb 2023 12:52

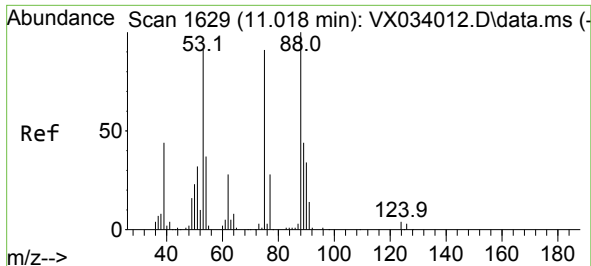
Tgt Ion: 75 Resp: 89996

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

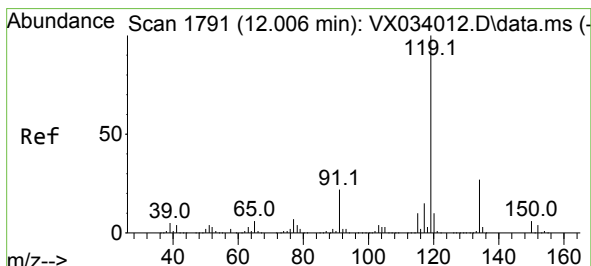
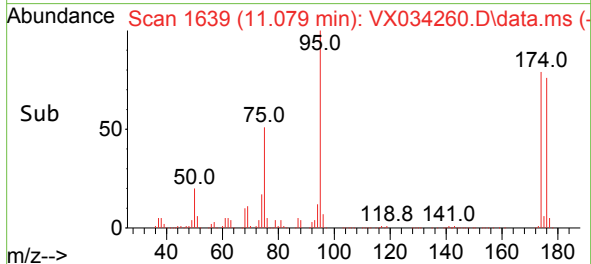
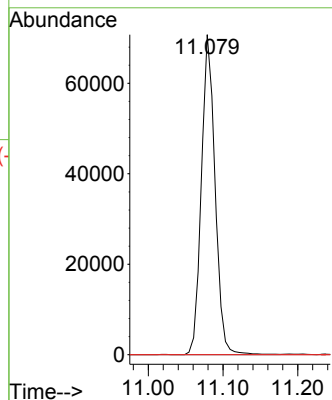
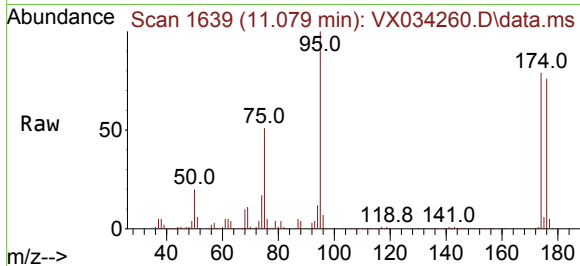




#81
trans-1,4-Dichloro-2-butene
Concen: 52.597 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

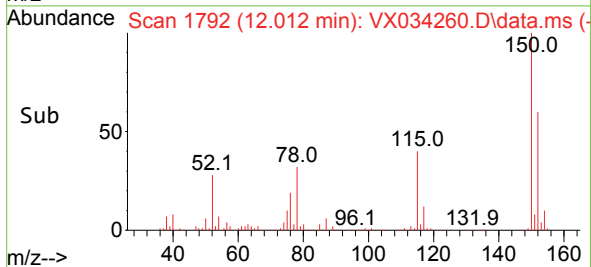
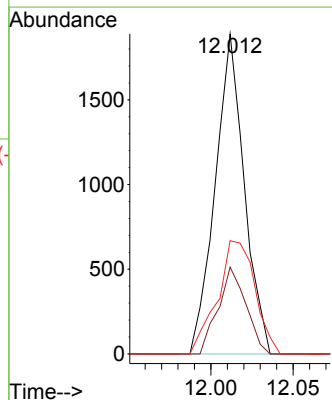
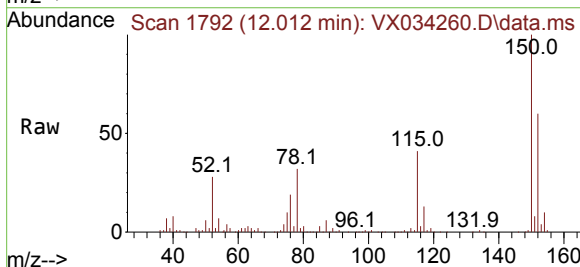
Instrument :
MSVOA_X
ClientSampleId :
IBLK

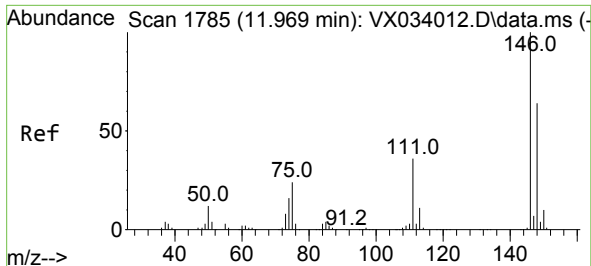
Tgt Ion: 75 Resp: 89996
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#86
p-Isopropyltoluene
Concen: 0.201 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

Tgt Ion: 119 Resp: 2318
Ion Ratio Lower Upper
119 100
134 25.9 13.6 40.8
91 45.8 11.0 33.0#





#87

1,3-Dichlorobenzene

Concen: 0.252 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

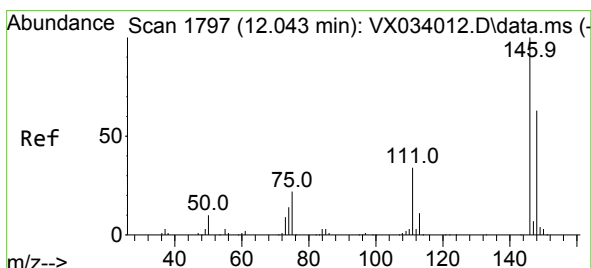
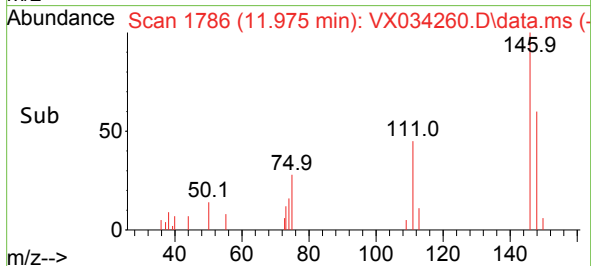
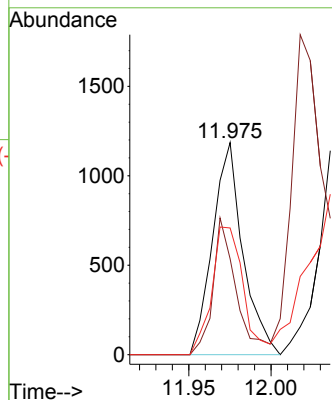
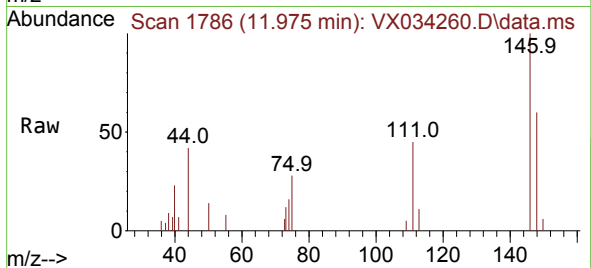
Tgt Ion:146 Resp: 1513

Ion Ratio Lower Upper

146 100

111 49.6 18.6 55.6

148 62.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 0.250 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

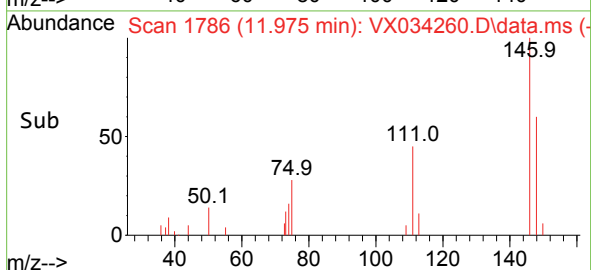
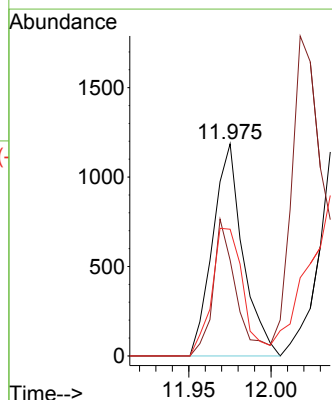
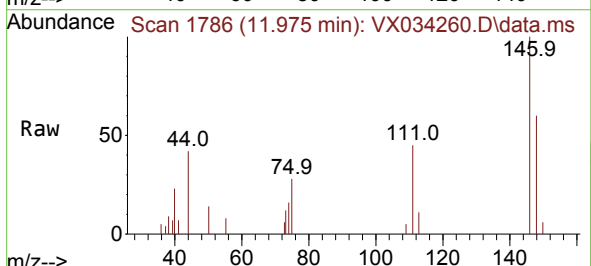
Tgt Ion:146 Resp: 1513

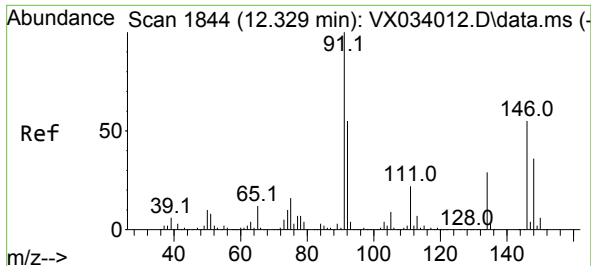
Ion Ratio Lower Upper

146 100

111 49.6 17.8 53.4

148 62.7 32.1 96.3





#89

n-Butylbenzene

Concen: 0.240 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

IBLK

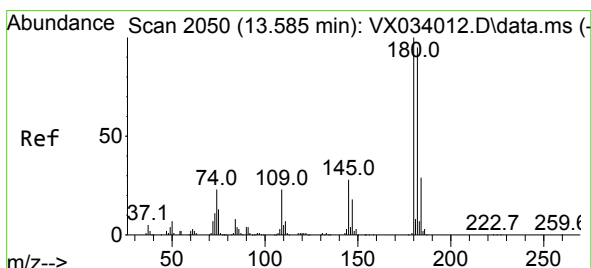
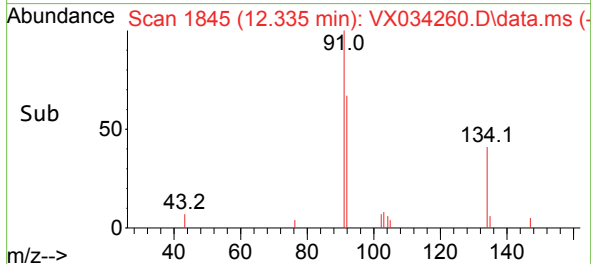
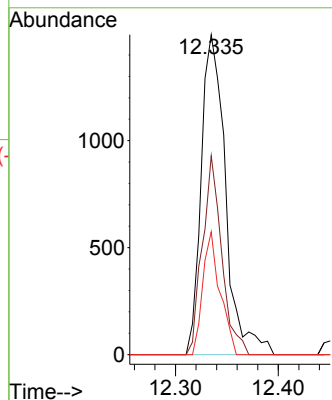
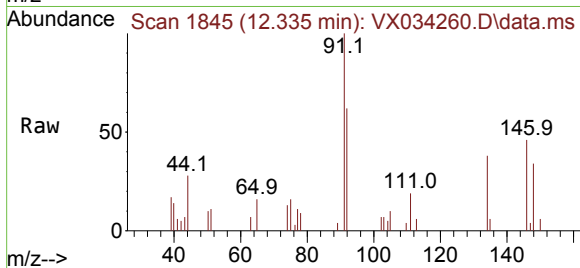
Tgt Ion: 91 Resp: 2465

Ion Ratio Lower Upper

91 100

92 49.6 27.5 82.5

134 27.3 14.3 42.9



#93

1,2,4-Trichlorobenzene

Concen: 0.472 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX034260.D

Acq: 24 Feb 2023 12:52

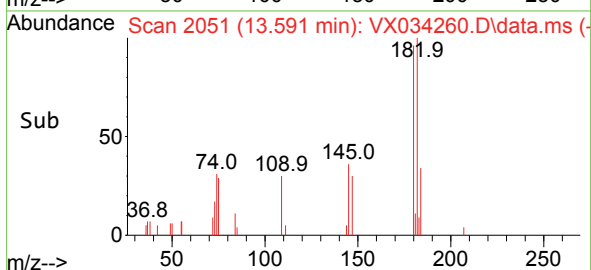
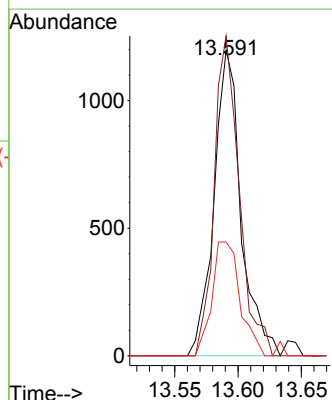
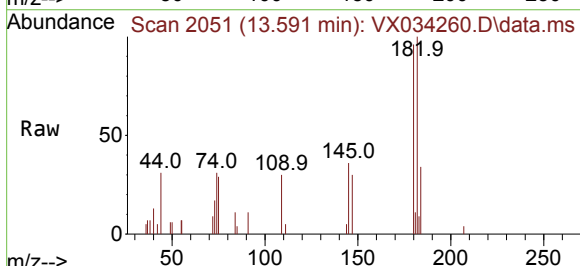
Tgt Ion:180 Resp: 1783

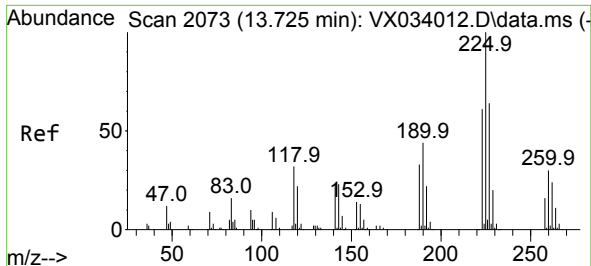
Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.6

145 38.6 14.1 42.2

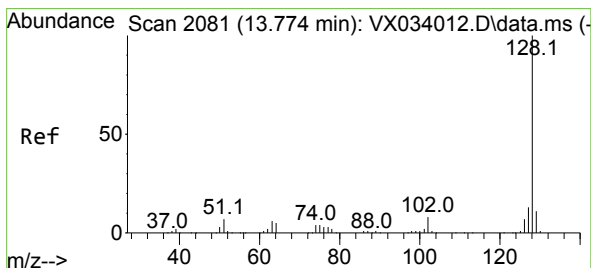
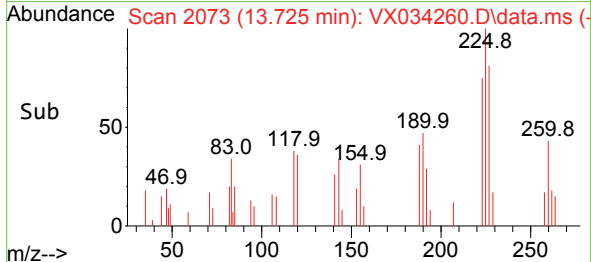
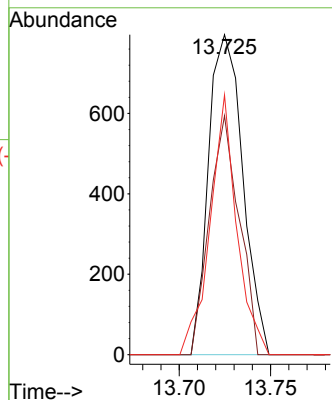
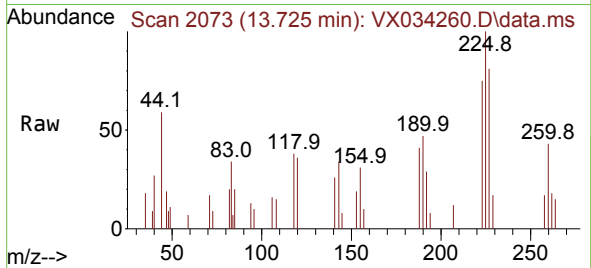




#94
Hexachlorobutadiene
Concen: 0.664 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

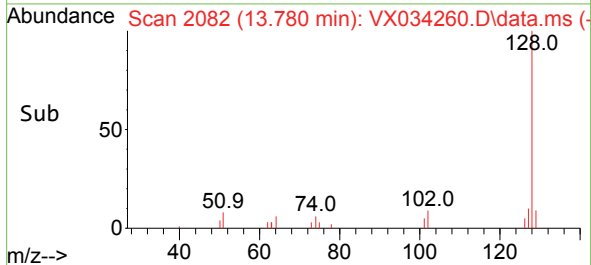
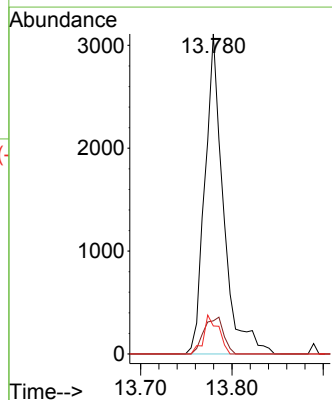
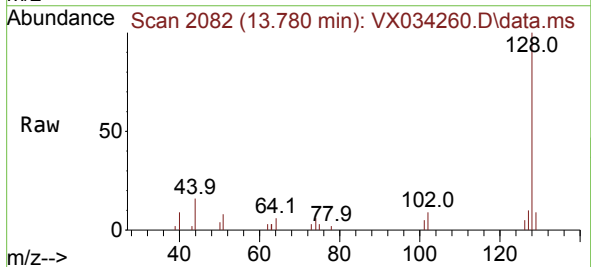
Instrument :
MSVOA_X
ClientSampleId :
IBLK

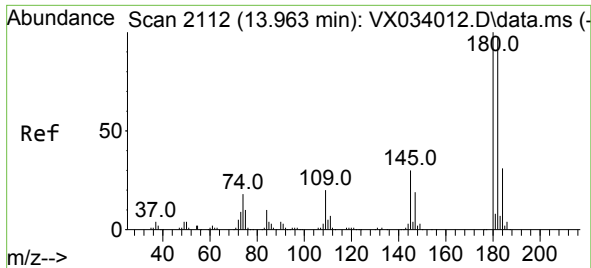
Tgt Ion:225 Resp: 1039
Ion Ratio Lower Upper
225 100
223 65.0 31.3 93.9
227 63.3 32.3 96.9



#95
Naphthalene
Concen: 0.344 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX034260.D
Acq: 24 Feb 2023 12:52

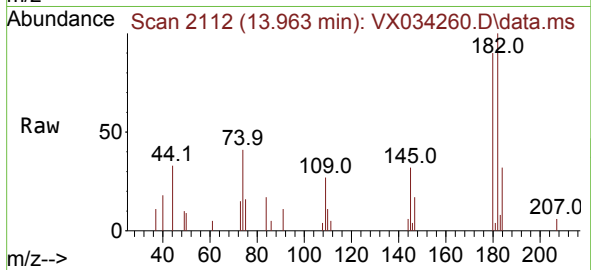
Tgt Ion:128 Resp: 4368
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 9.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.422 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX034260.D
 Acq: 24 Feb 2023 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1582
Ion	Ratio	Lower	Upper
180	100		
182	104.3	47.6	142.9
145	41.0	15.1	45.3

