

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081723\
 Data File : VX037065.D
 Acq On : 17 Aug 2023 17:41
 Operator : JC/MD
 Sample : BLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BLK

Quant Time: Aug 18 06:08:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 05:51:31 2023
 Response via : Initial Calibration

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

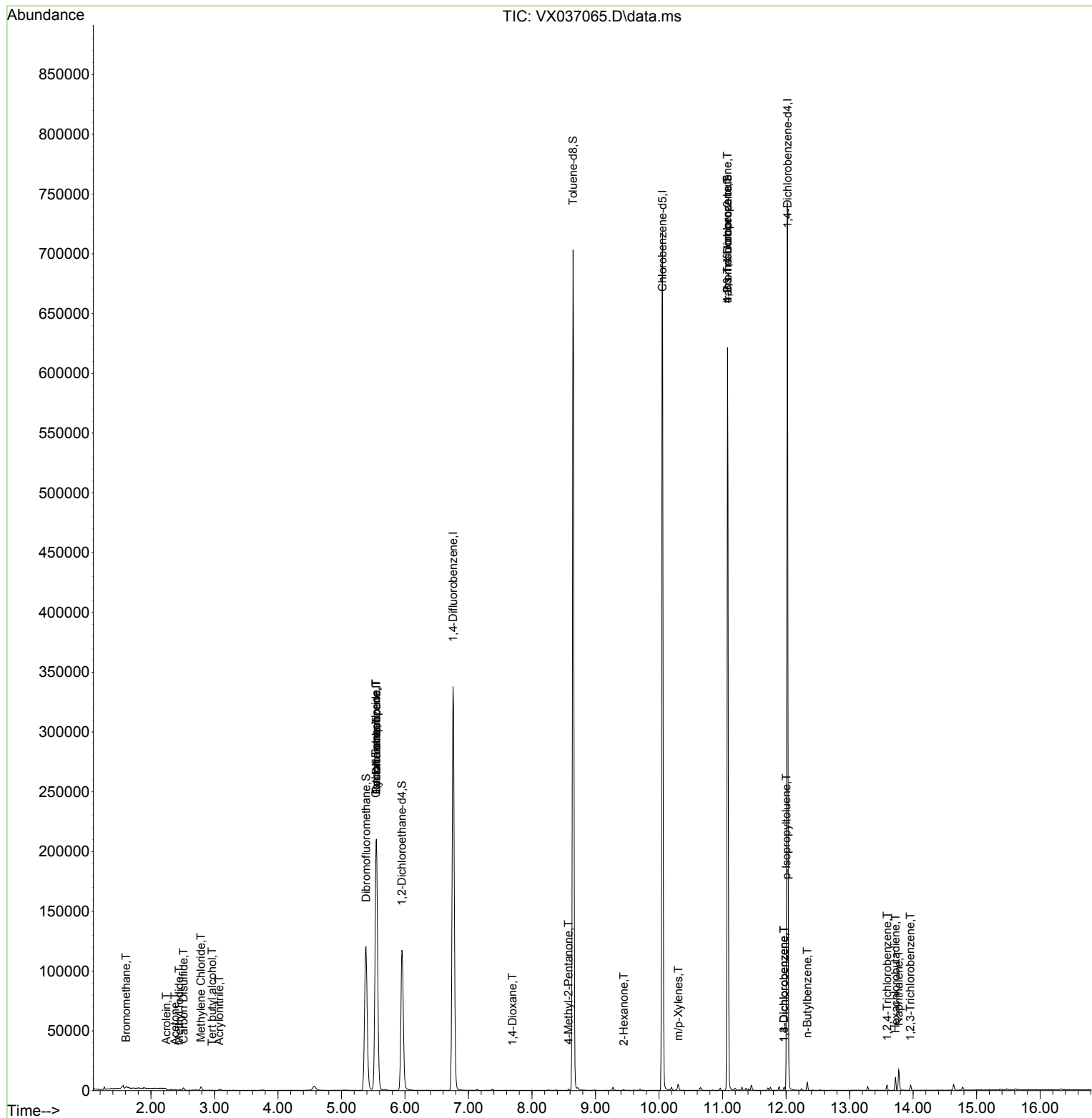
Internal Standards						
1) Pentafluorobenzene	5.550	168	196556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	350139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	152529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	118368	41.771	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.540%		
35) Dibromofluoromethane	5.385	113	106218	45.806	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.620%		
50) Toluene-d8	8.647	98	420241	49.960	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.920%		
62) 4-Bromofluorobenzene	11.079	95	165696	50.126	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.260%		
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	865	0.799	ug/l #	77
10) Methyl Iodide	2.447	142	1037	0.411	ug/l #	86
11) Tert butyl alcohol	2.965	59	292	0.439	ug/l #	78
13) Acrolein	2.239	56	482	0.953	ug/l	92
15) Acrylonitrile	3.075	53	369	0.311	ug/l #	78
16) Acetone	2.380	43	696	0.628	ug/l	92
17) Carbon Disulfide	2.514	76	2519	0.489	ug/l #	90
20) Methylene Chloride	2.788	84	1421	0.573	ug/l #	83
31) Cyclohexane	5.550	56	4167	1.308	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15880	4.820	ug/l #	51
38) Carbon Tetrachloride	5.544	117	21406	5.981	ug/l #	15
49) 1,4-Dioxane	7.690	88	40	0.570	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	722	0.223	ug/l #	79
59) 2-Hexanone	9.445	43	690	0.279	ug/l	80
68) m/p-Xylenes	10.305	106	1143	0.240	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	85370	26.281	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	85370	73.404	ug/l #	5
86) p-Isopropyltoluene	12.006	119	1790	0.202	ug/l #	67
87) 1,3-Dichlorobenzene	11.969	146	1158	0.228	ug/l	94
88) 1,4-Dichlorobenzene	11.969	146	1158	0.225	ug/l	92
89) n-Butylbenzene	12.335	91	2394	0.326	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	1277	0.440	ug/l	95
94) Hexachlorobutadiene	13.725	225	1468	1.308	ug/l	98
95) Naphthalene	13.774	128	12662	0.995	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	1288	0.446	ug/l	97

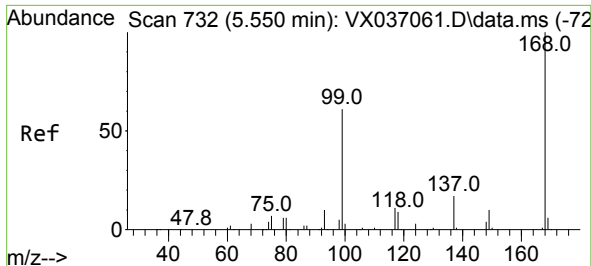
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081723\
Data File : VX037065.D
Acq On : 17 Aug 2023 17:41
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Sample : BLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BLK

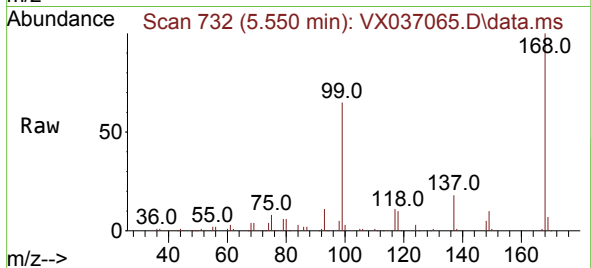
Quant Time: Aug 18 06:08:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 05:51:31 2023
Response via : Initial Calibration



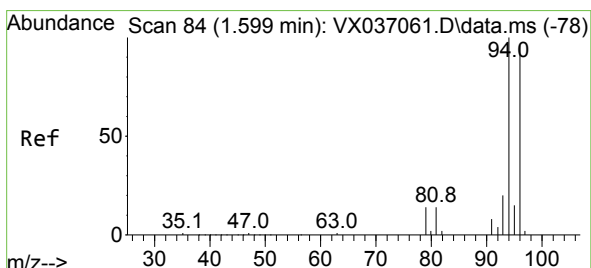
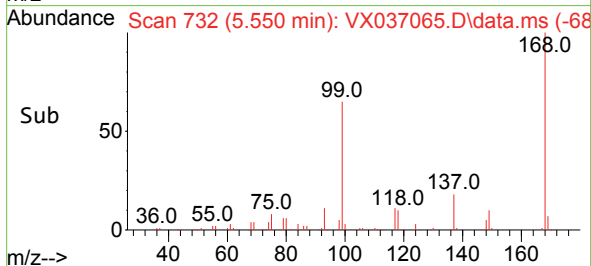
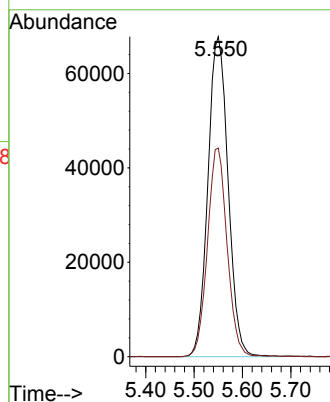


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Instrument :
MSVOA_X
ClientSampleId :
BLK

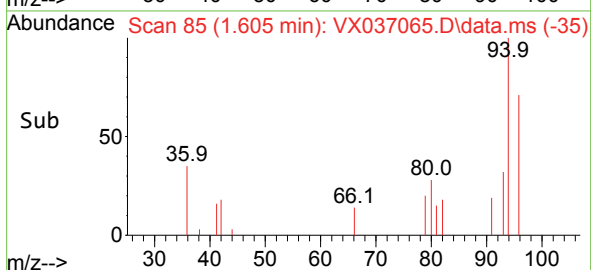
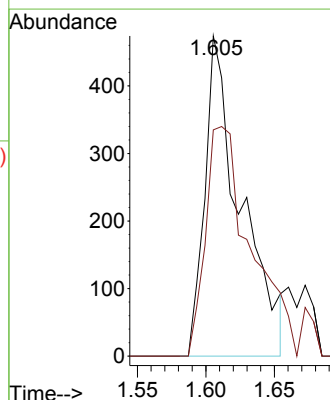
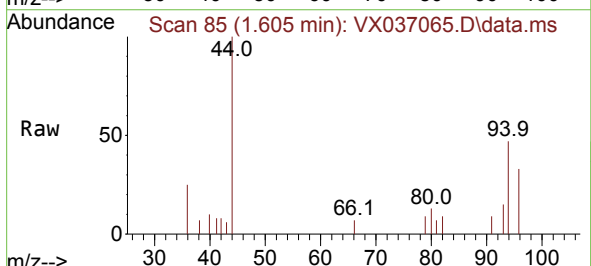


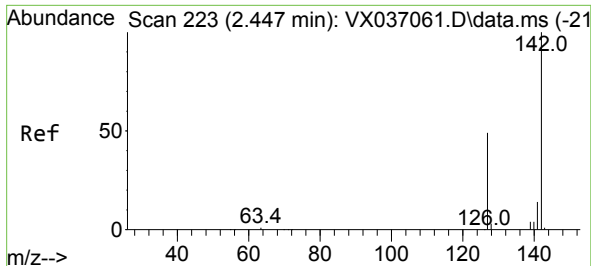
Tgt Ion:168 Resp: 196556
Ion Ratio Lower Upper
168 100
99 65.2 56.6 85.0



#5
Bromomethane
Concen: 0.799 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

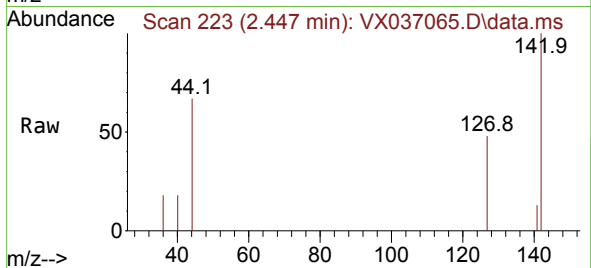
Tgt Ion: 94 Resp: 865
Ion Ratio Lower Upper
94 100
96 70.7 74.6 111.8#



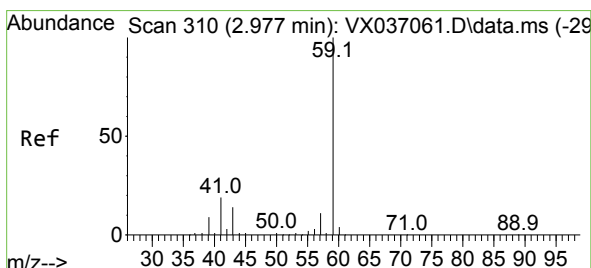
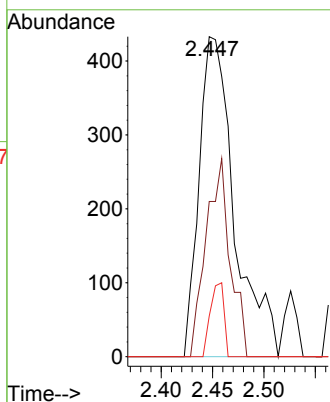
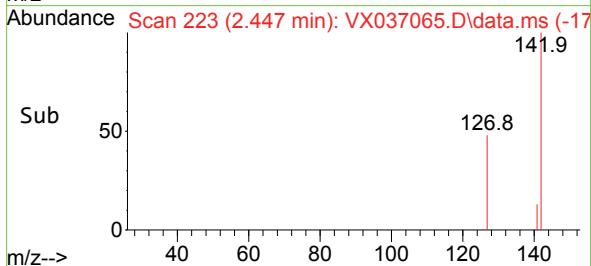


#10
Methyl Iodide
Concen: 0.411 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

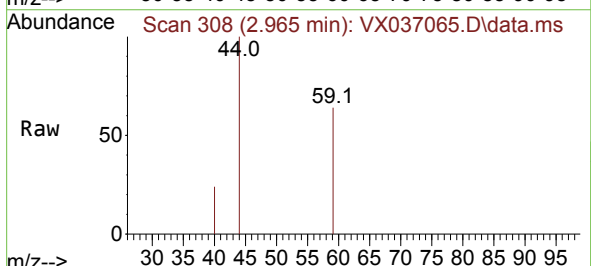
Instrument :
MSVOA_X
ClientSampleId :
BLK



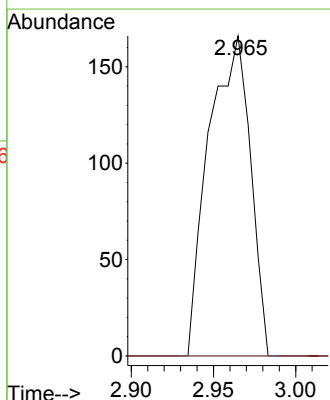
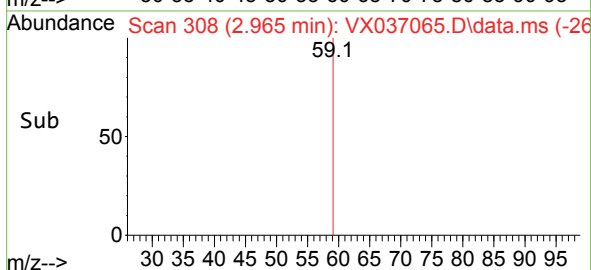
Tgt Ion:142 Resp: 1037
Ion Ratio Lower Upper
142 100
127 42.1 41.6 62.4
141 8.9 11.6 17.4#

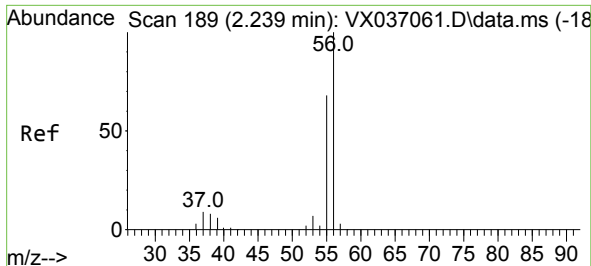


#11
Tert butyl alcohol
Concen: 0.439 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41



Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

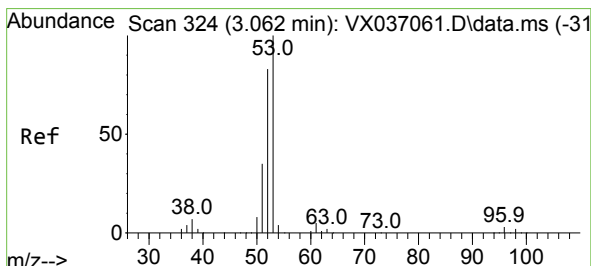
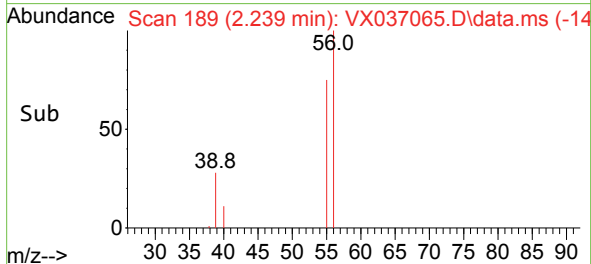
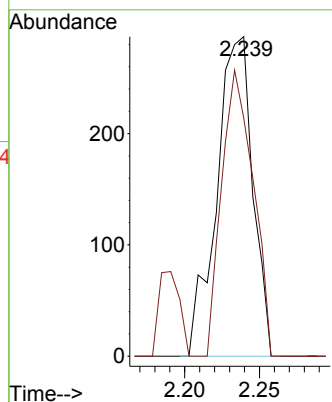
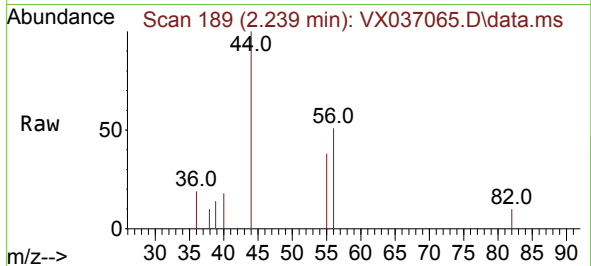




#13
Acrolein
Concen: 0.953 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

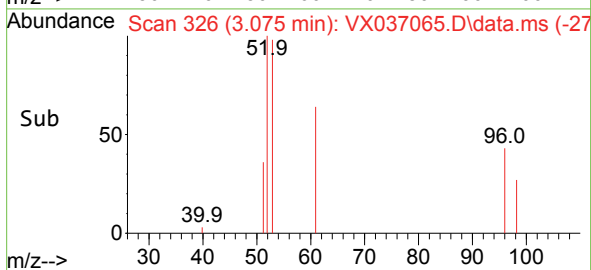
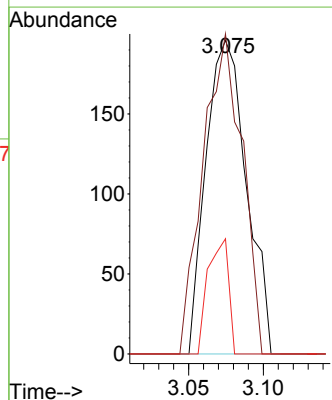
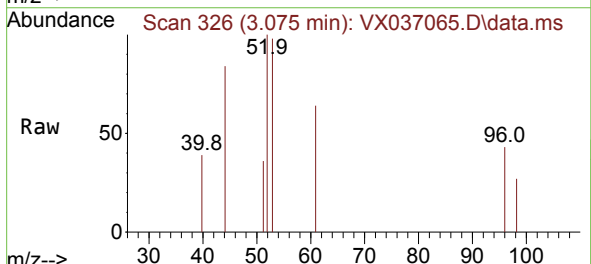
Instrument :
MSVOA_X
ClientSampleId :
BLK

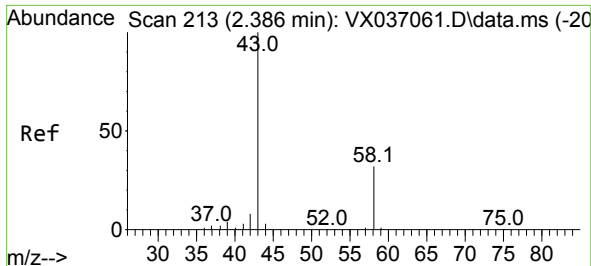
Tgt Ion: 56 Resp: 482
Ion Ratio Lower Upper
56 100
55 78.0 57.1 85.7



#15
Acrylonitrile
Concen: 0.311 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion: 53 Resp: 369
Ion Ratio Lower Upper
53 100
52 98.6 66.0 99.0
51 18.7 29.8 44.6#

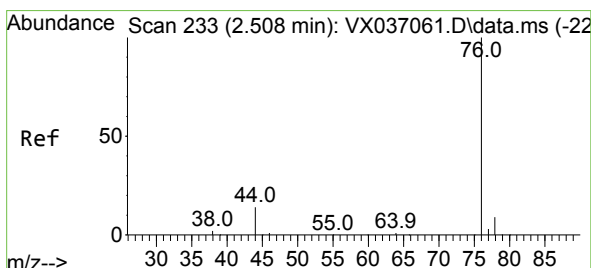
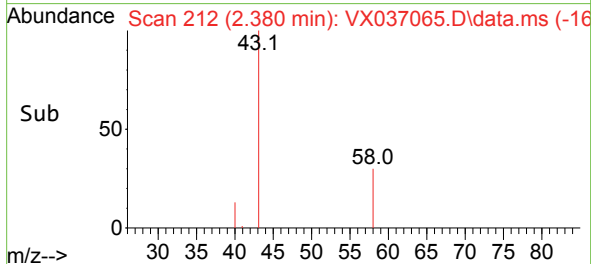
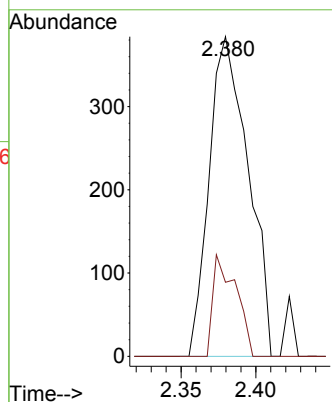
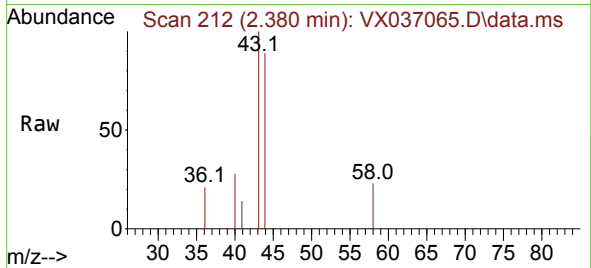




#16
Acetone
Concen: 0.628 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

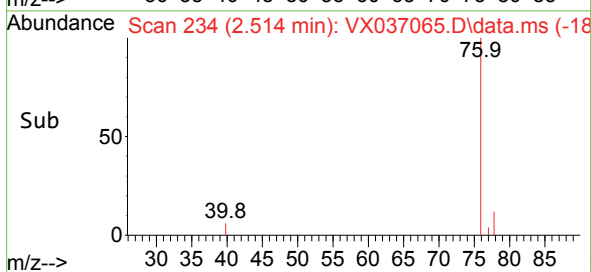
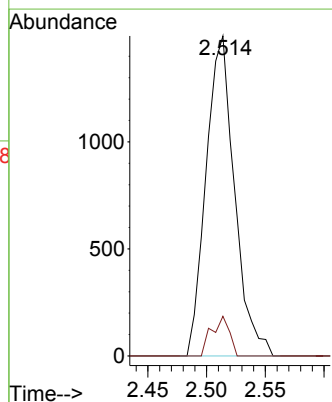
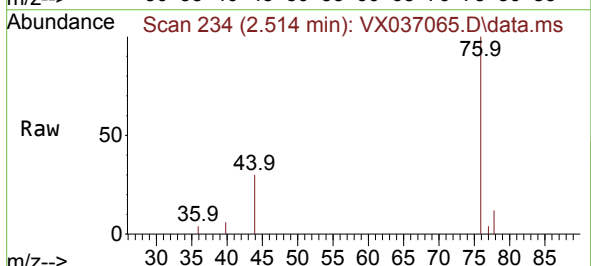
Instrument :
MSVOA_X
ClientSampleId :
BLK

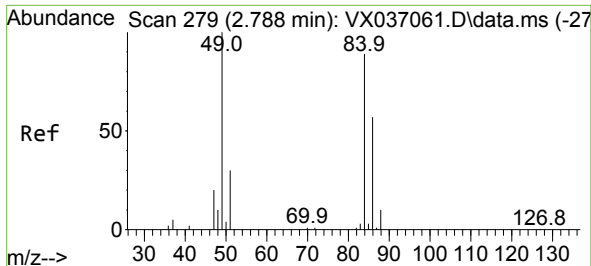
Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
58 23.2 21.9 32.9



#17
Carbon Disulfide
Concen: 0.489 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion: 76 Resp: 2519
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.6#

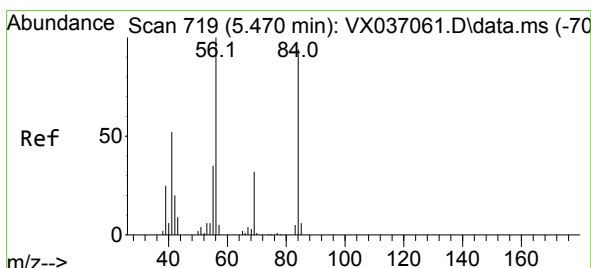
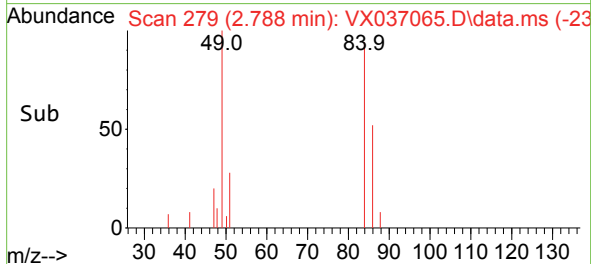
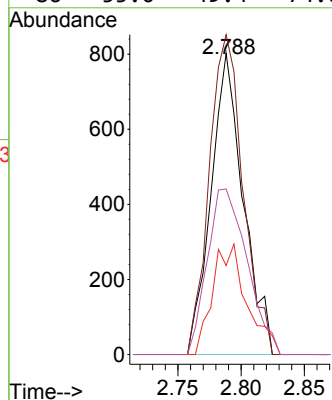
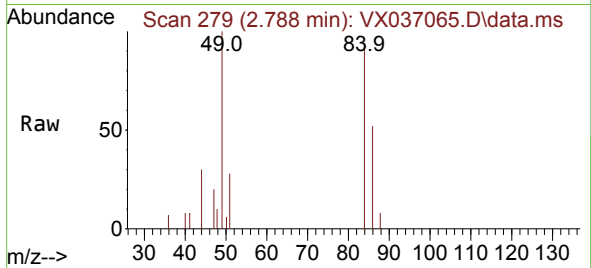




#20
Methylene Chloride
Concen: 0.573 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

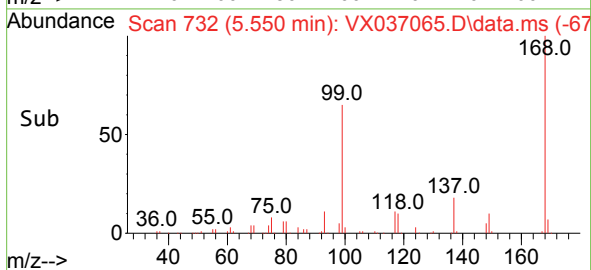
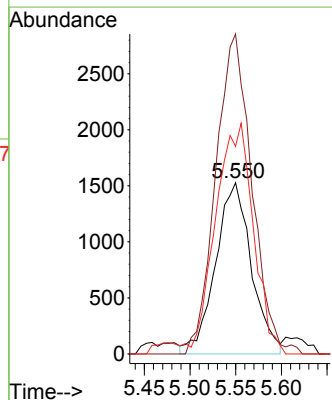
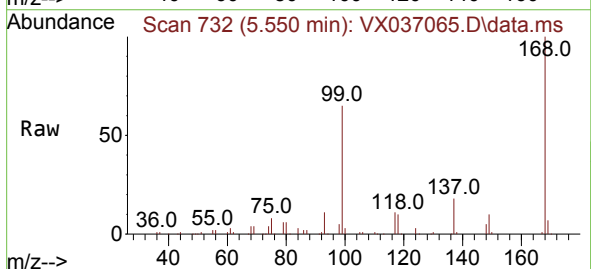
Instrument :
MSVOA_X
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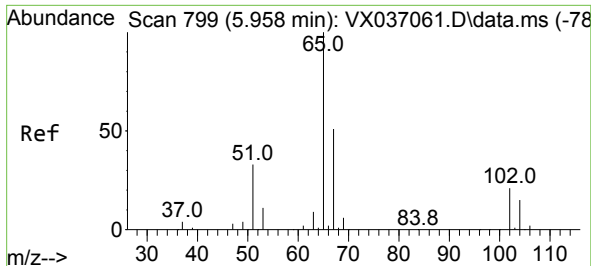
Tgt Ion:	84	Resp:	1421
Ion	Ratio	Lower	Upper
84	100		
49	106.2	103.6	155.4
51	29.6	33.8	50.6#
86	55.0	49.4	74.0



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion:	56	Resp:	4167
Ion	Ratio	Lower	Upper
56	100		
69	196.1	23.4	35.2#
84	122.3	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.771 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

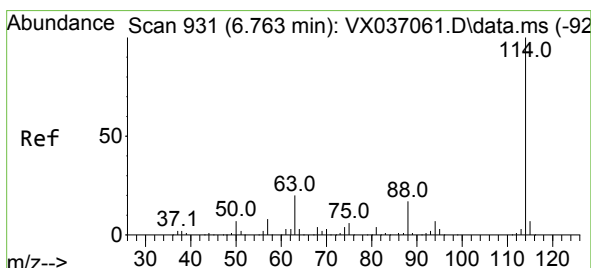
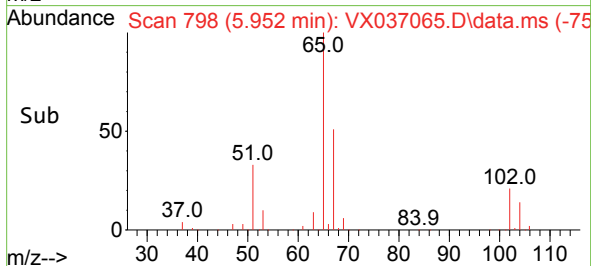
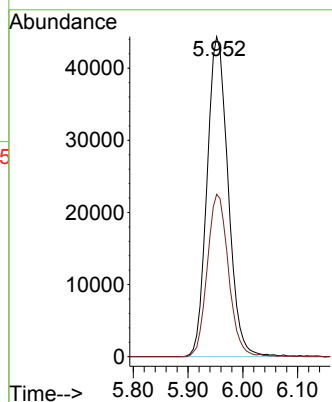
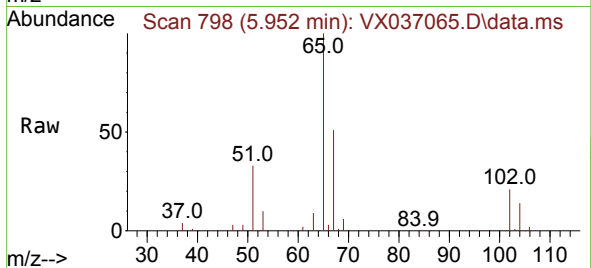
BLK

Tgt Ion: 65 Resp: 118368

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

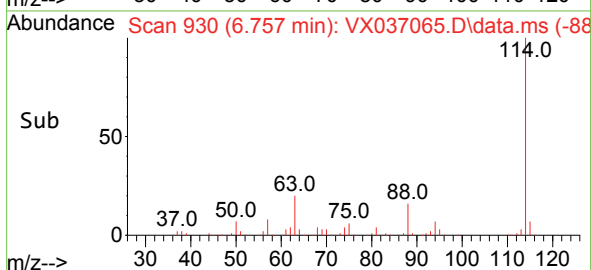
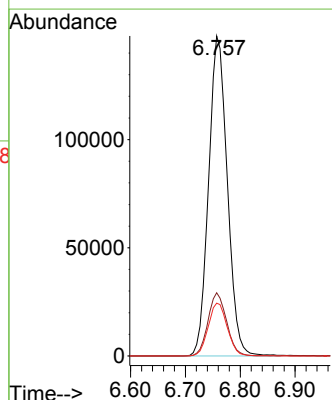
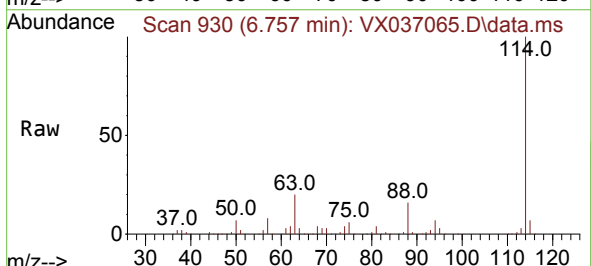
Tgt Ion: 114 Resp: 350139

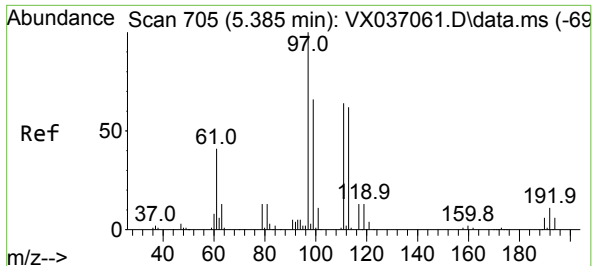
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

88 16.5 0.0 36.6

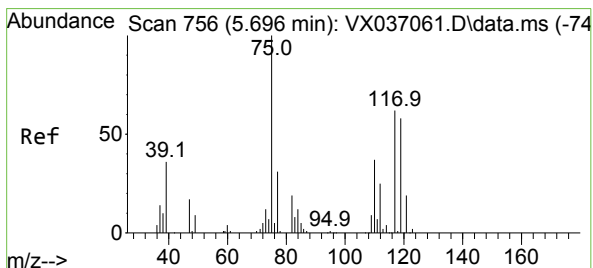
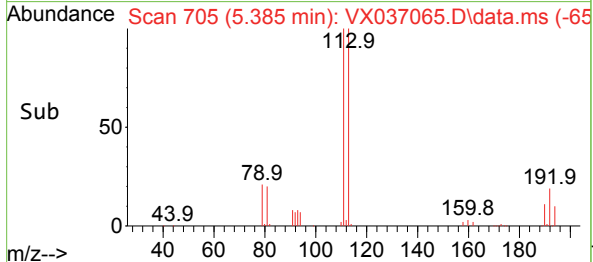
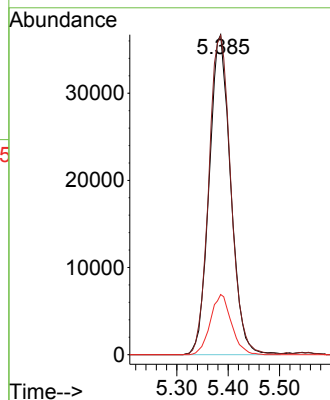
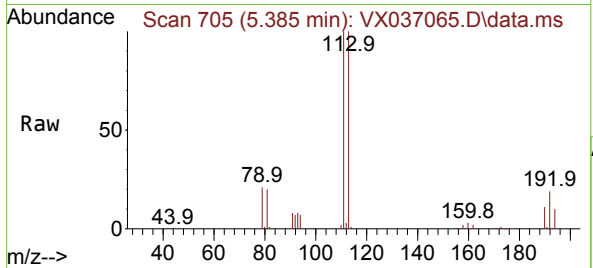




#35
Dibromofluoromethane
Concen: 45.806 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

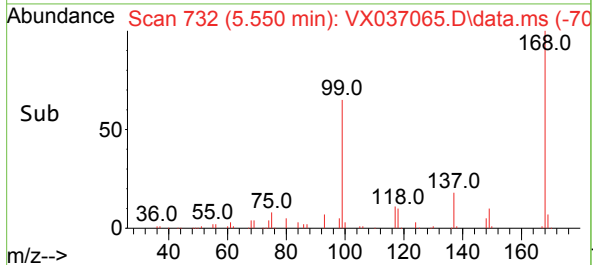
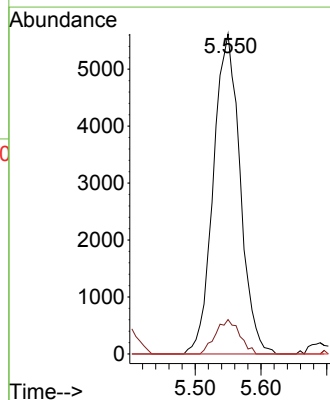
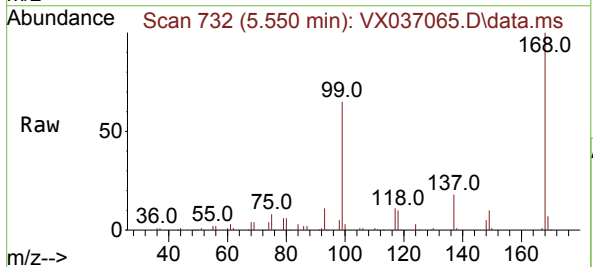
Instrument :
MSVOA_X
ClientSampleId :
BLK

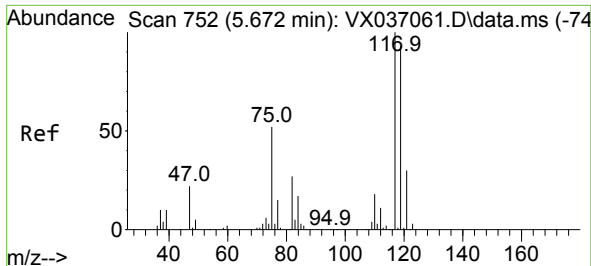
Tgt Ion:113 Resp: 106218
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

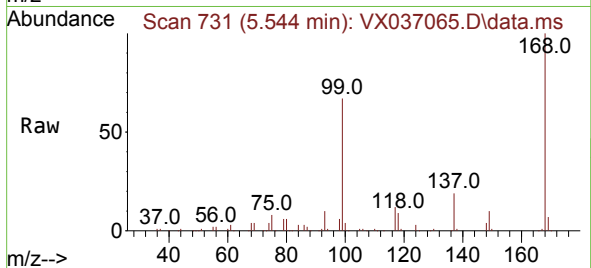
Tgt Ion: 75 Resp: 15880
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



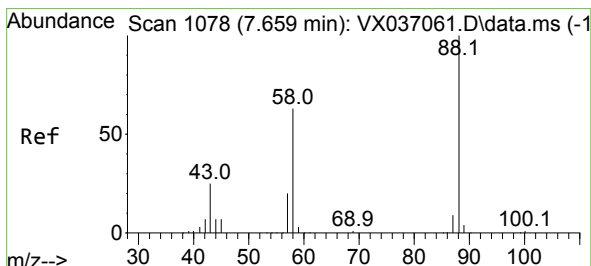
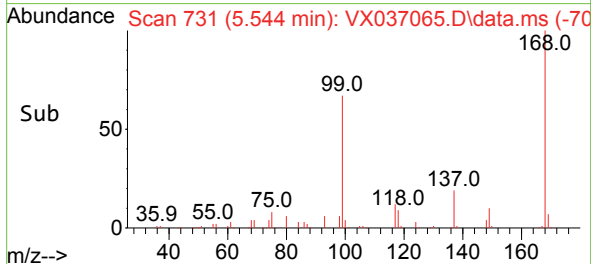
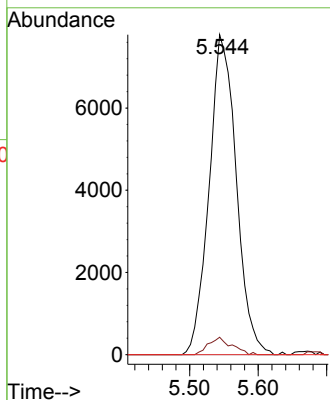


#38
Carbon Tetrachloride
Concen: 5.981 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Instrument :
MSVOA_X
ClientSampleId :
BLK

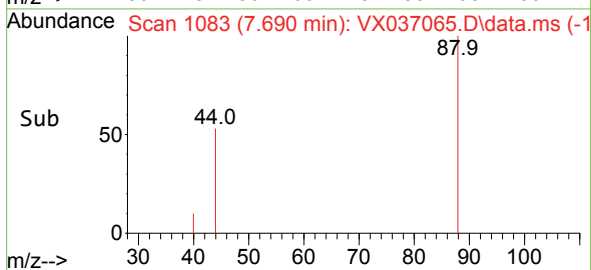
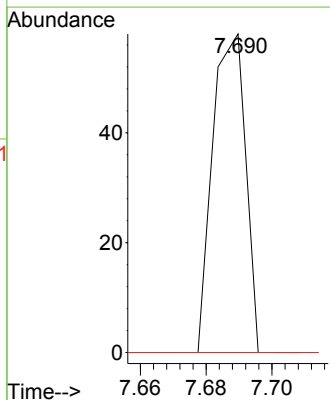
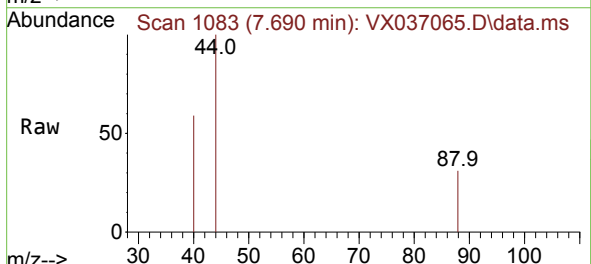


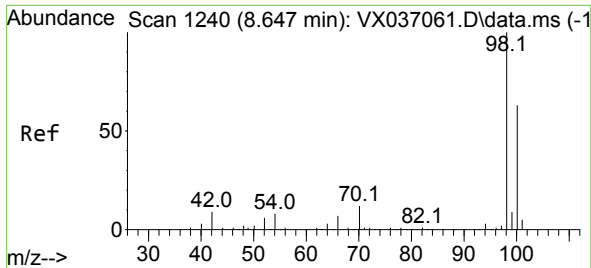
Tgt Ion:117 Resp: 21406
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.570 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

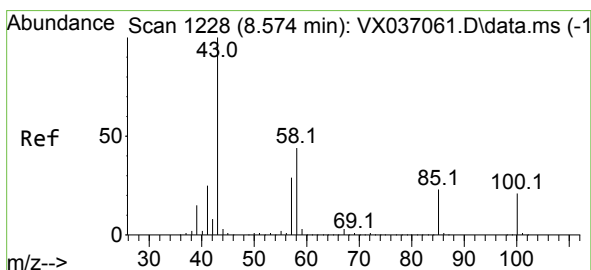
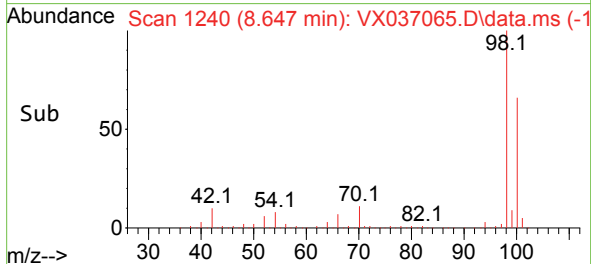
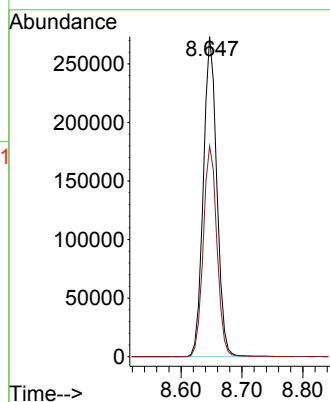
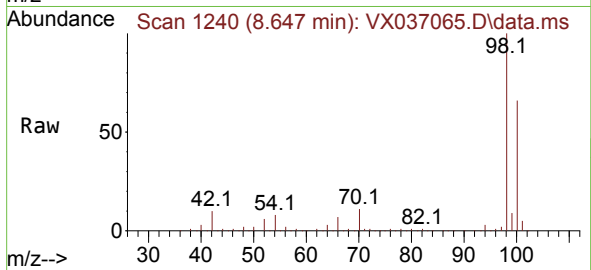




#50
Toluene-d8
Concen: 49.960 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

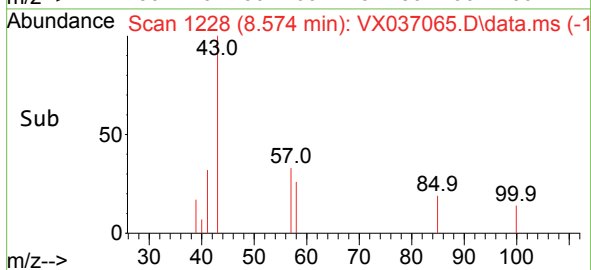
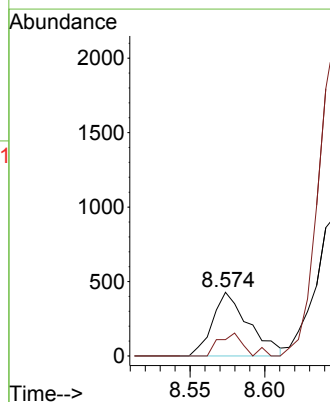
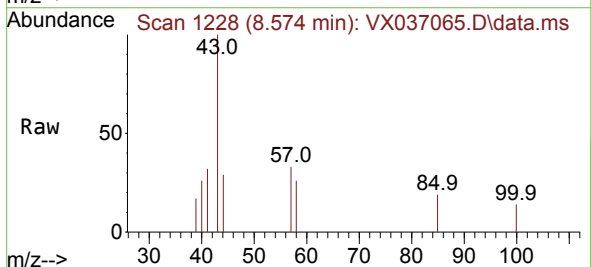
Instrument :
MSVOA_X
ClientSampleId :
BLK

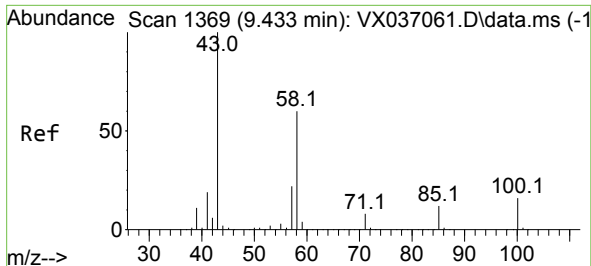
Tgt Ion: 98 Resp: 420241
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 25.5 30.4 45.6#





#59

2-Hexanone

Concen: 0.279 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

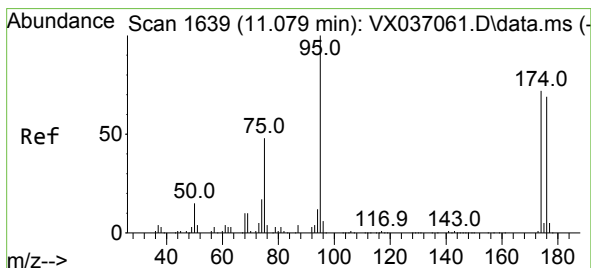
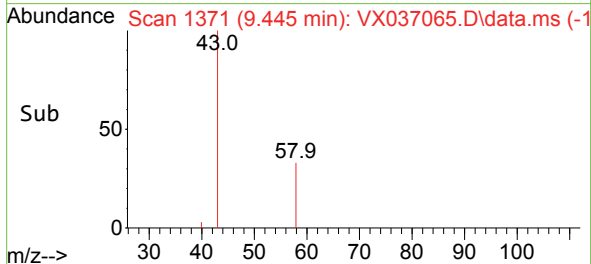
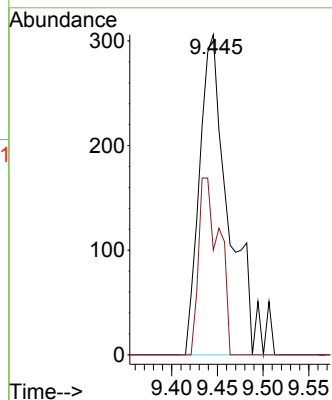
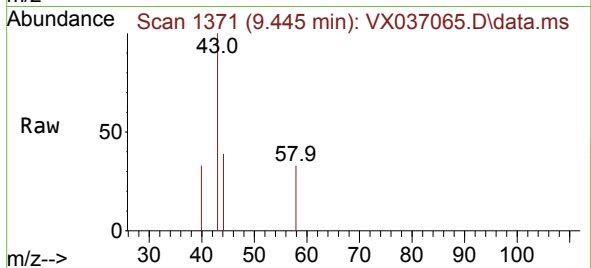
BLK

Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

58 38.6 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 50.126 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

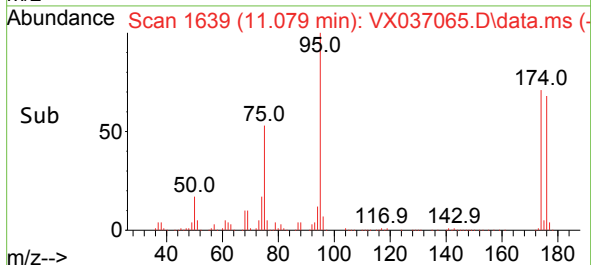
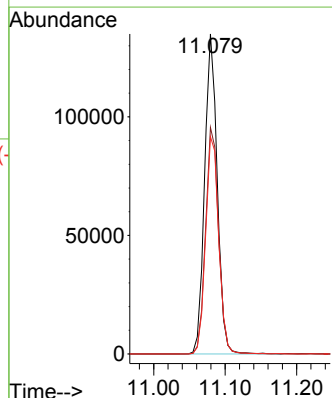
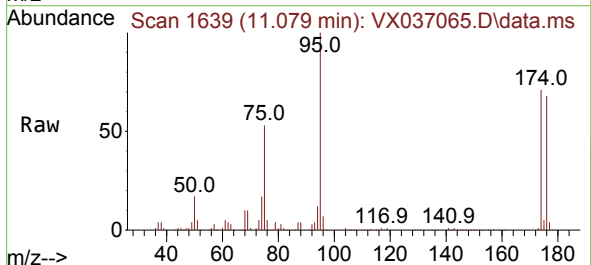
Tgt Ion: 95 Resp: 165696

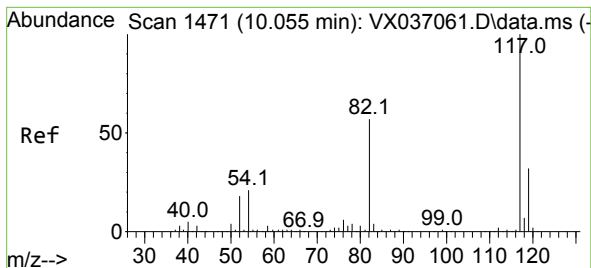
Ion Ratio Lower Upper

95 100

174 73.2 0.0 135.6

176 70.6 0.0 131.0

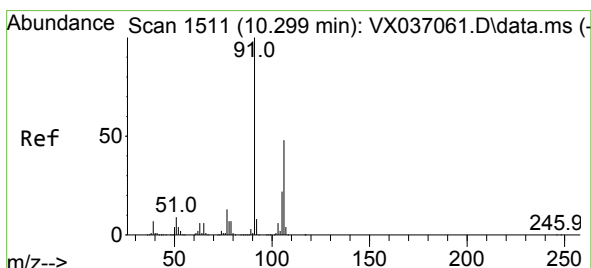
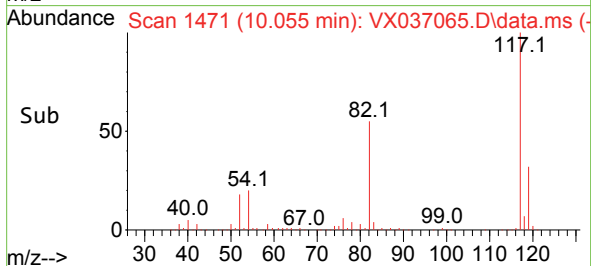
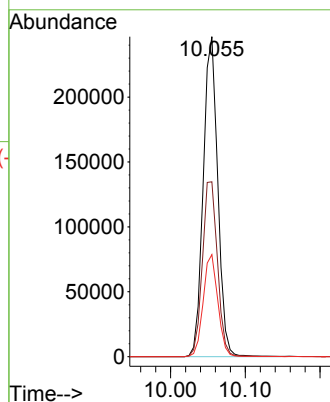
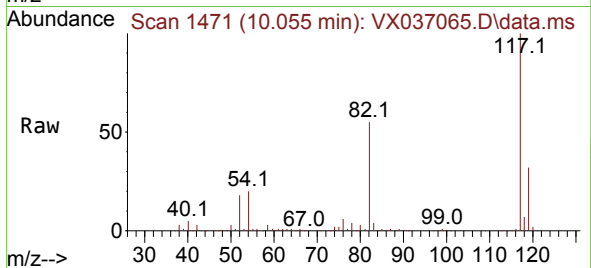




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

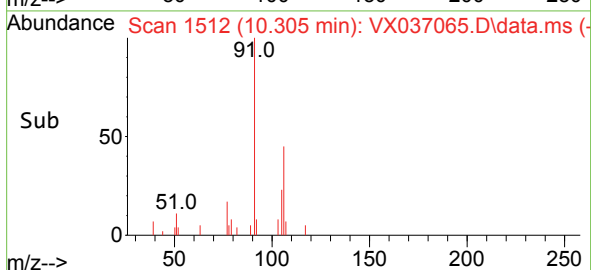
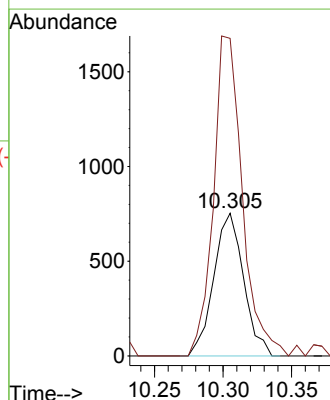
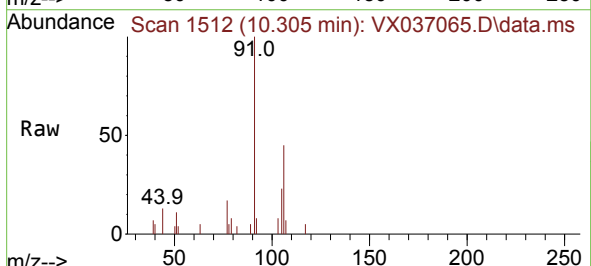
Instrument :
MSVOA_X
ClientSampleId :
BLK

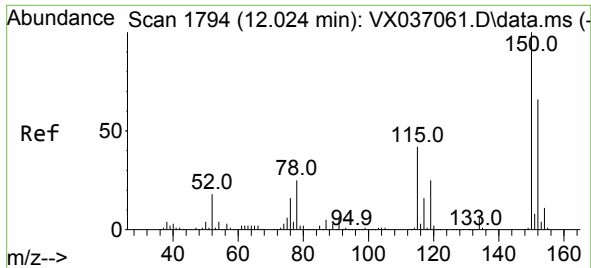
Tgt Ion:117 Resp: 332271
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 0.240 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion:106 Resp: 1143
Ion Ratio Lower Upper
106 100
91 216.3 165.5 248.3

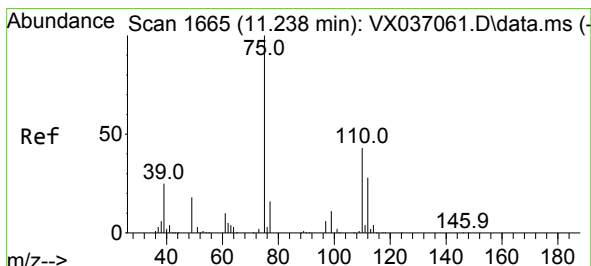
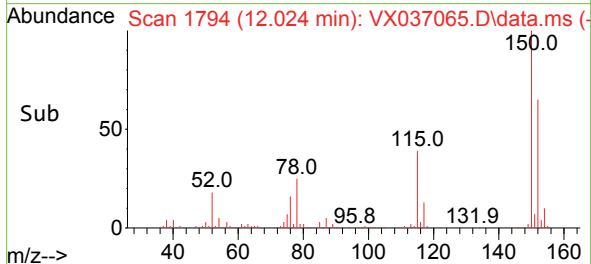
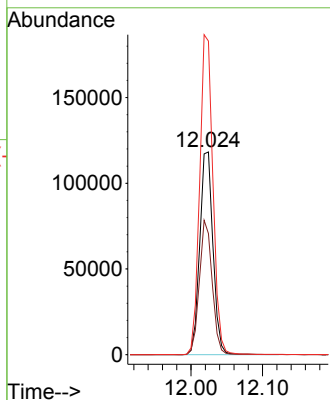
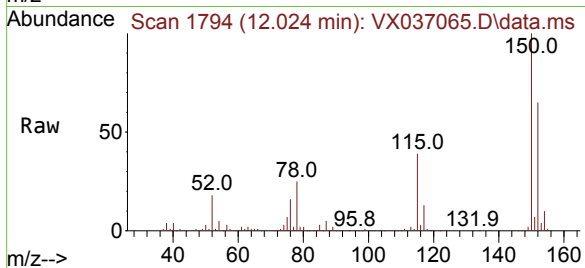




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037065.D
 Acq: 17 Aug 2023 17:41

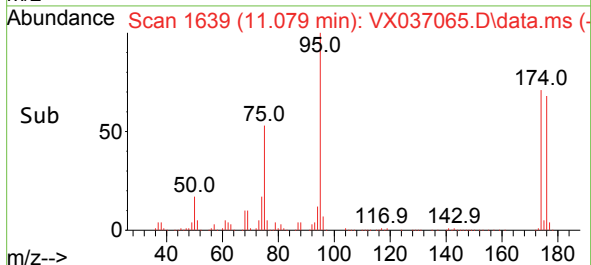
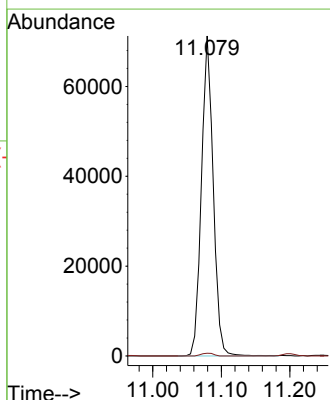
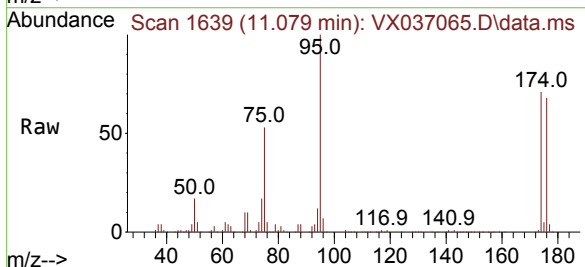
Instrument :
 MSVOA_X
 ClientSampleId :
 BLK

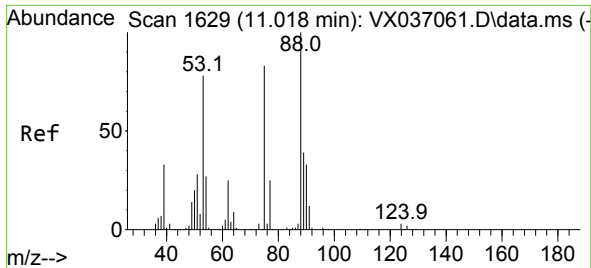
Tgt Ion:152 Resp: 152529
 Ion Ratio Lower Upper
 152 100
 115 64.1 43.3 129.9
 150 157.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.281 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037065.D
 Acq: 17 Aug 2023 17:41

Tgt Ion: 75 Resp: 85370
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

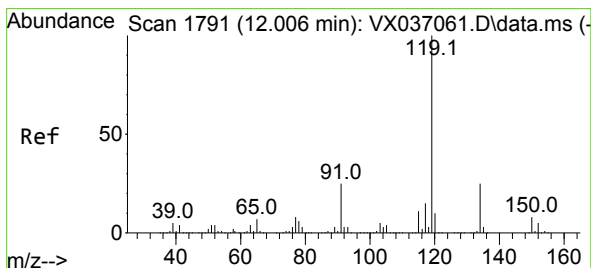
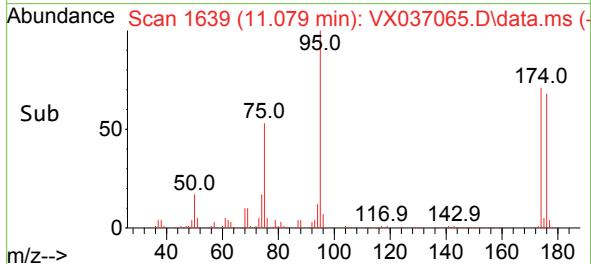
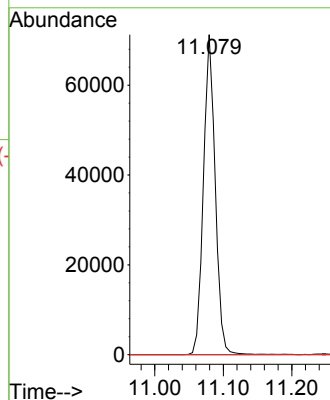
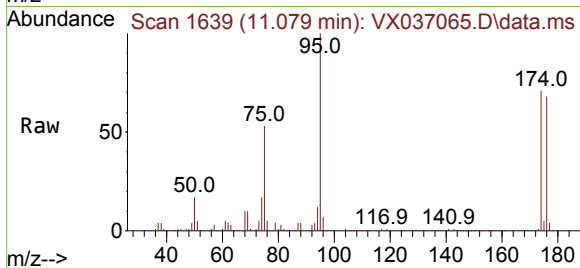




#81
trans-1,4-Dichloro-2-butene
Concen: 73.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

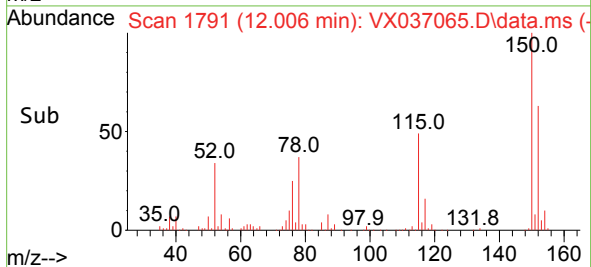
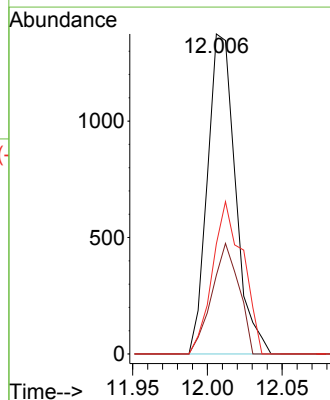
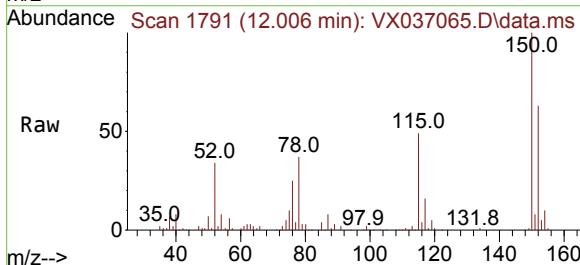
Instrument :
MSVOA_X
ClientSampleId :
BLK

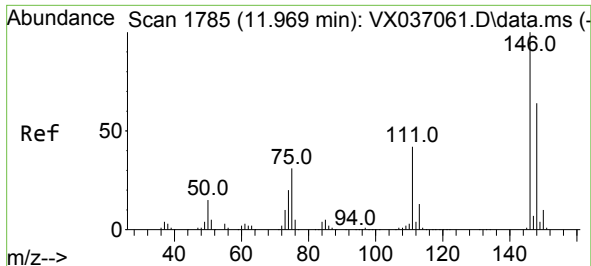
Tgt Ion: 75 Resp: 85370
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.202 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX037065.D
Acq: 17 Aug 2023 17:41

Tgt Ion: 119 Resp: 1790
Ion Ratio Lower Upper
119 100
134 33.5 12.8 38.3
91 51.7 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.228 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

BLK

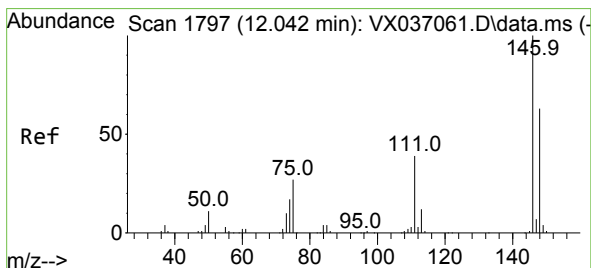
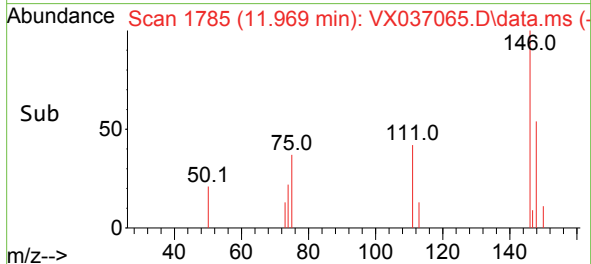
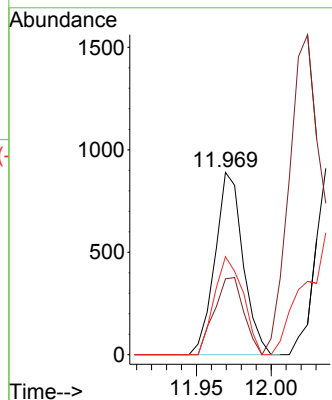
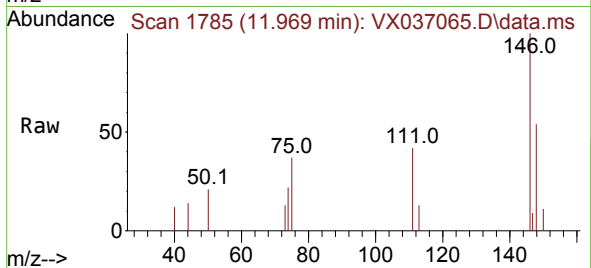
Tgt Ion:146 Resp: 1158

Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.1

148 55.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.225 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

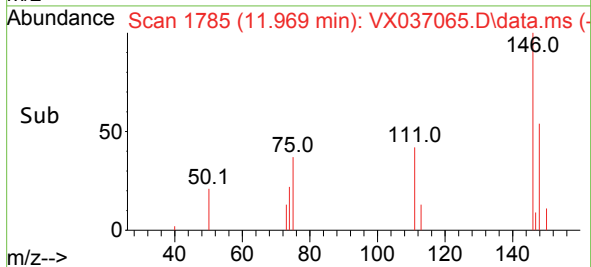
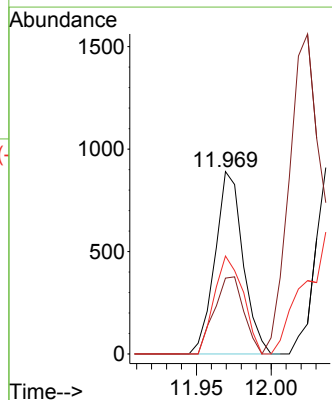
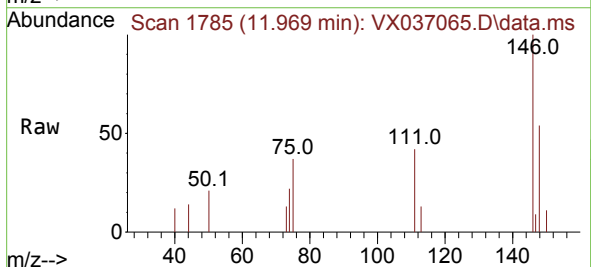
Tgt Ion:146 Resp: 1158

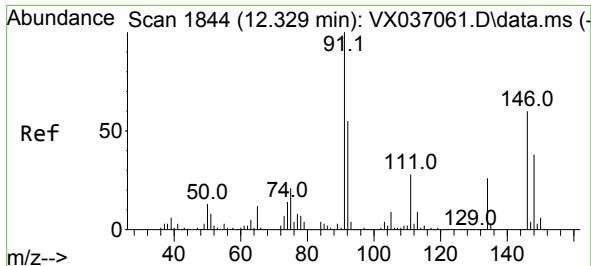
Ion Ratio Lower Upper

146 100

111 44.2 21.3 63.7

148 55.2 31.8 95.4





#89

n-Butylbenzene

Concen: 0.326 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

BLK

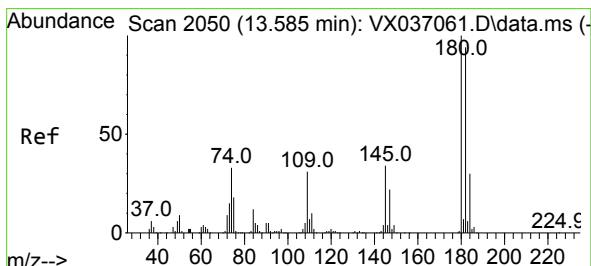
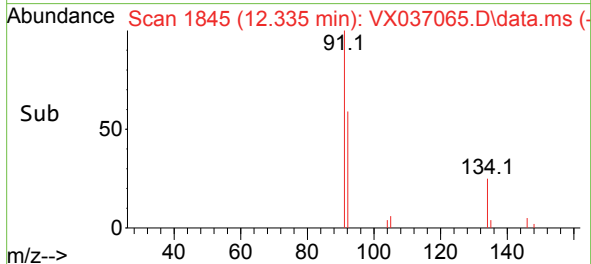
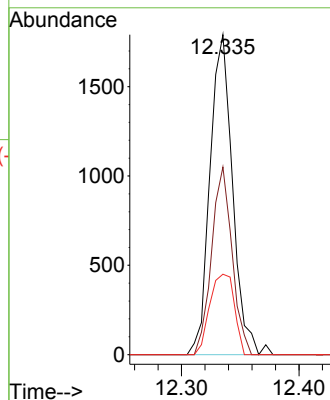
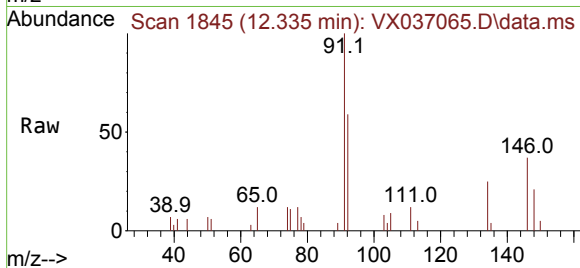
Tgt Ion: 91 Resp: 2394

Ion Ratio Lower Upper

91 100

92 53.1 27.4 82.0

134 27.3 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.440 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

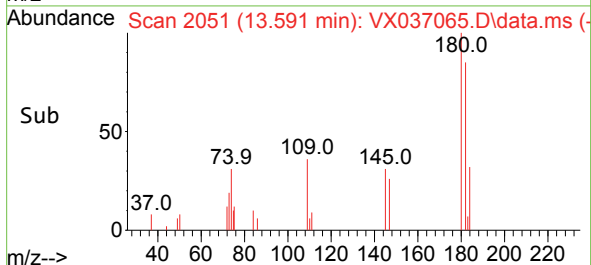
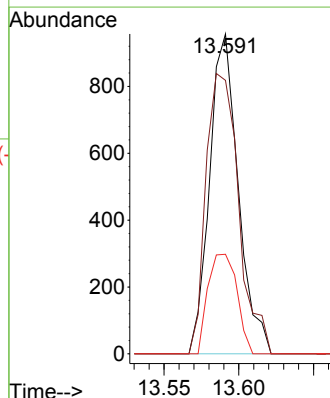
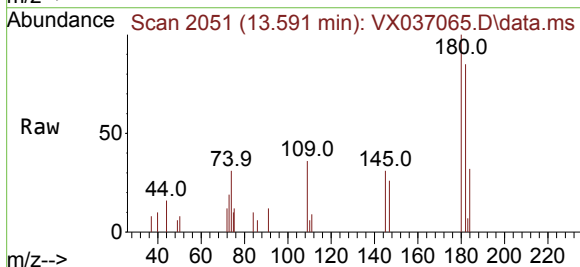
Tgt Ion: 180 Resp: 1277

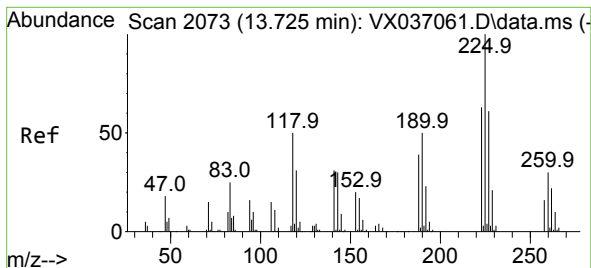
Ion Ratio Lower Upper

180 100

182 99.8 48.3 144.8

145 31.4 18.0 54.0





#94

Hexachlorobutadiene

Concen: 1.308 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

Instrument :

MSVOA_X

ClientSampleId :

BLK

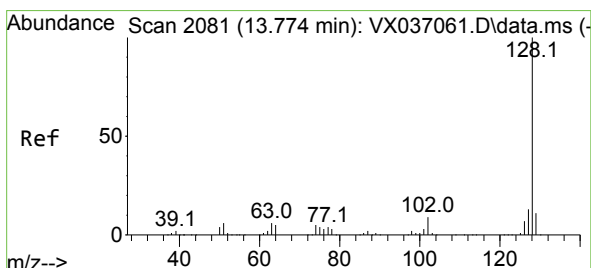
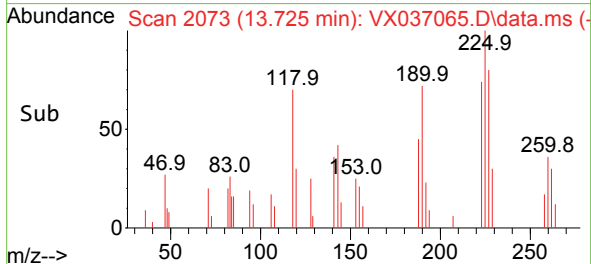
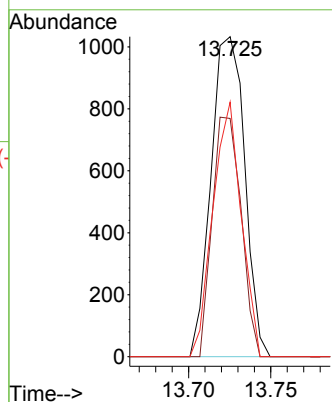
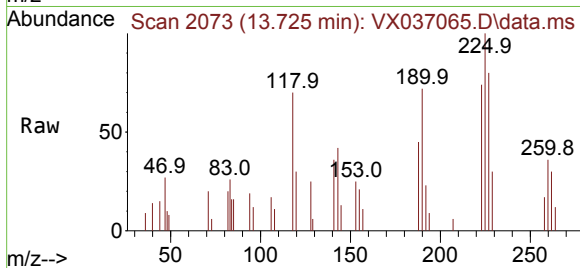
Tgt Ion:225 Resp: 1468

Ion Ratio Lower Upper

225 100

223 64.0 31.1 93.2

227 66.9 32.5 97.5



#95

Naphthalene

Concen: 0.995 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037065.D

Acq: 17 Aug 2023 17:41

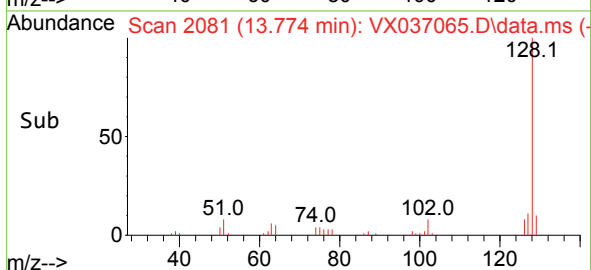
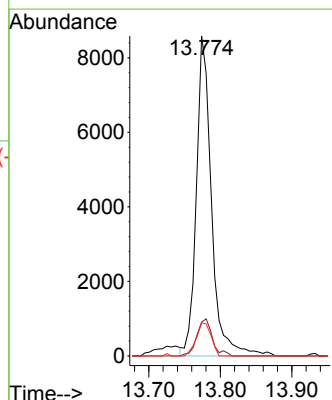
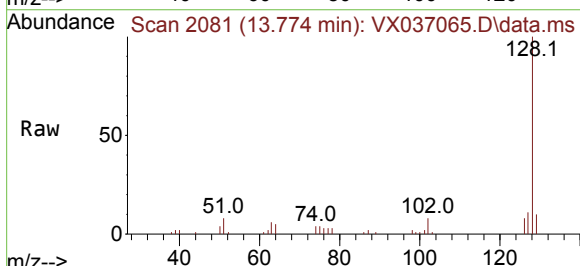
Tgt Ion:128 Resp: 12662

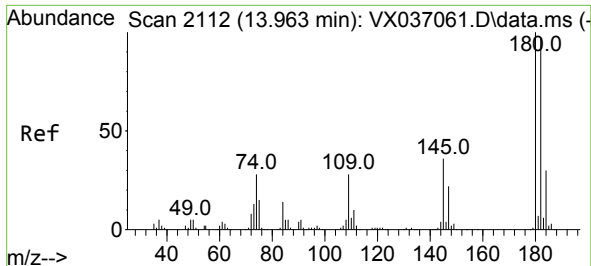
Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

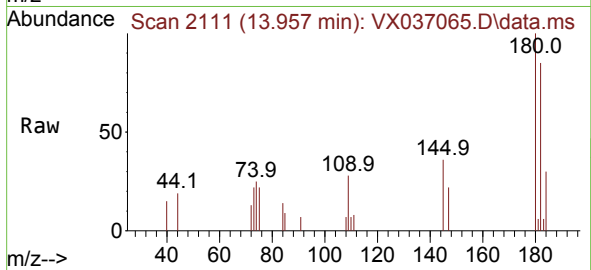
129 10.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.446 ug/l
 RT: 13.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX037065.D
 Acq: 17 Aug 2023 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 BLK



Tgt Ion:	180	Resp:	1288
Ion	Ratio	Lower	Upper
180	100		
182	89.9	46.9	140.6
145	34.9	17.8	53.5

