

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037178.D
 Acq On : 23 Aug 2023 13:05
 Operator : JC/MD
 Sample : 04024-24DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 05:30:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

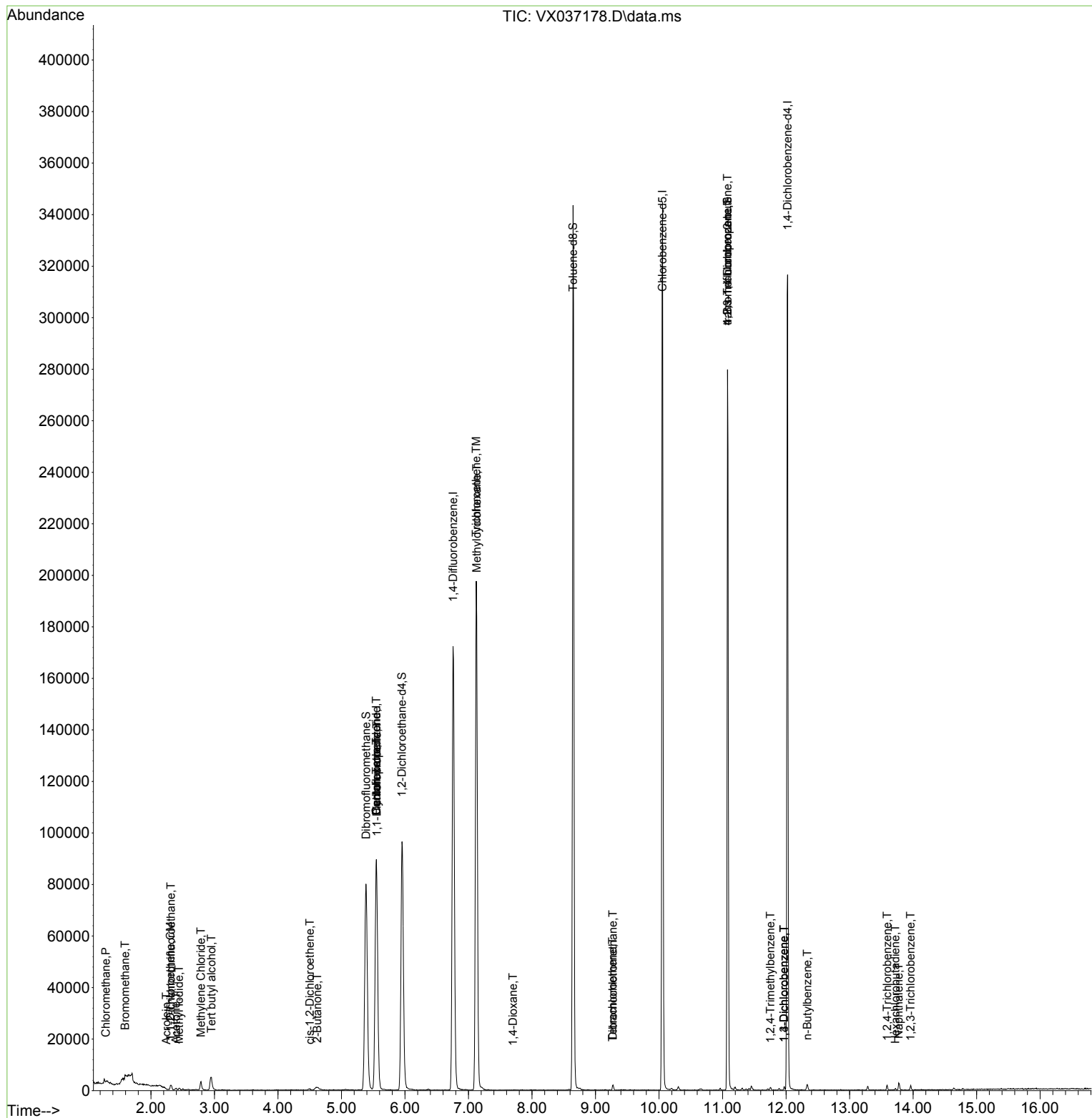
Internal Standards						
1) Pentafluorobenzene	5.550	168	83336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97686	81.308	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 162.620%#		
35) Dibromofluoromethane	5.385	113	71055	59.253	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.500%		
50) Toluene-d8	8.647	98	204536	47.021	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 94.040%		
62) 4-Bromofluorobenzene	11.079	95	77997	45.628	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 91.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	550	0.649	ug/l #	43
5) Bromomethane	1.593	94	246	0.536	ug/l #	51
9) 1,1,2-Trichlorotrifluo...	2.312	101	597	0.678	ug/l	94
10) Methyl Iodide	2.440	142	588	0.549	ug/l #	84
11) Tert butyl alcohol	2.953	59	3173	11.259	ug/l #	78
12) 1,1-Dichloroethene	2.306	96	306	0.357	ug/l #	78
13) Acrolein	2.239	56	60	0.280	ug/l #	14
16) Acetone	2.392	43	696	1.481	ug/l #	83
20) Methylene Chloride	2.788	84	1783	1.696	ug/l #	83
25) 2-Butanone	4.617	43	174	0.246	ug/l #	51
27) cis-1,2-Dichloroethene	4.501	96	362	0.315	ug/l	71
31) Cyclohexane	5.550	56	1696	1.255	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6739	3.956	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8923	4.821	ug/l #	15
39) Methylcyclohexane	7.129	83	947	0.529	ug/l #	1
44) Trichloroethene	7.123	130	77093	55.642	ug/l	100
49) 1,4-Dioxane	7.702	88	21	0.579	ug/l #	12
60) Dibromochloromethane	9.275	129	367	0.262	ug/l #	11
64) Tetrachloroethene	9.268	164	346	0.297	ug/l #	70
76) 1,2,3-Trichloropropane	11.079	75	40247	28.105	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	40247	78.498	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	828	0.201	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	568	0.254	ug/l	92
88) 1,4-Dichlorobenzene	11.969	146	568	0.246	ug/l	93
89) n-Butylbenzene	12.335	91	720	0.222	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	604	0.472	ug/l	95
94) Hexachlorobutadiene	13.719	225	122	0.247	ug/l #	63
95) Naphthalene	13.774	128	2513	0.448	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.963	180	601	0.472	ug/l	95

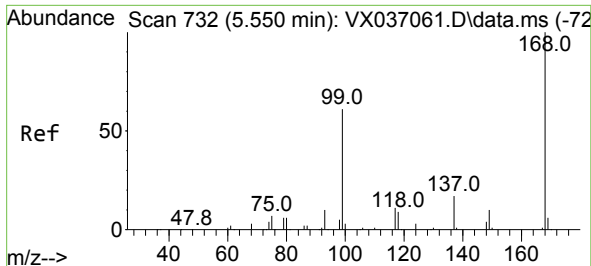
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
Data File : VX037178.D
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Instrument :
MSVOA_X
ClientSampleId :

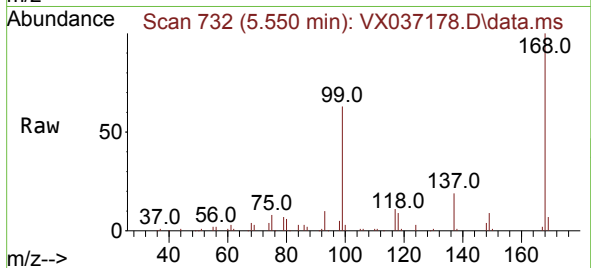
Quant Time: Aug 24 05:30:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



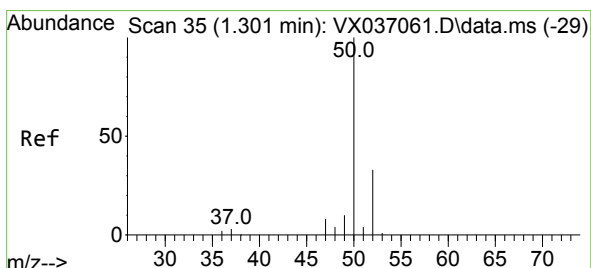
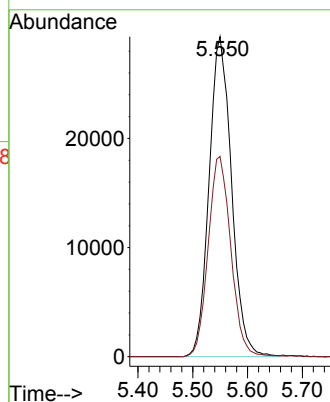
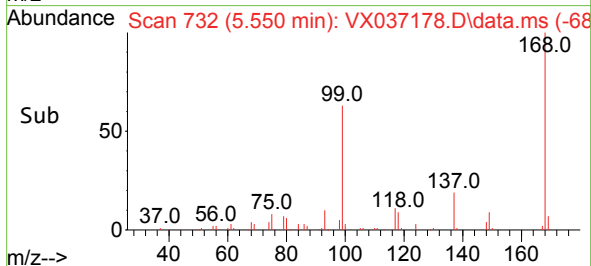


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

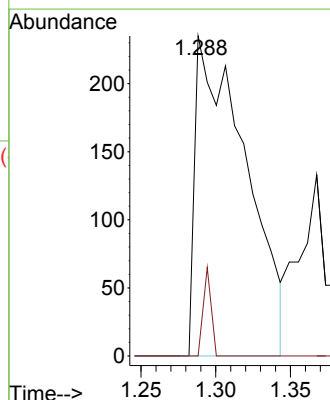
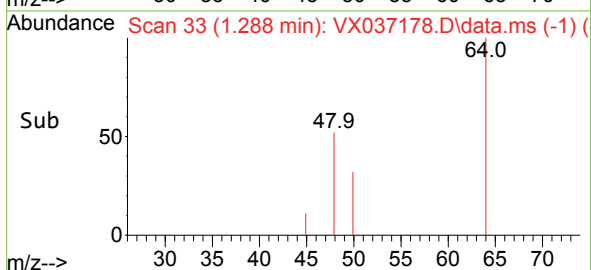
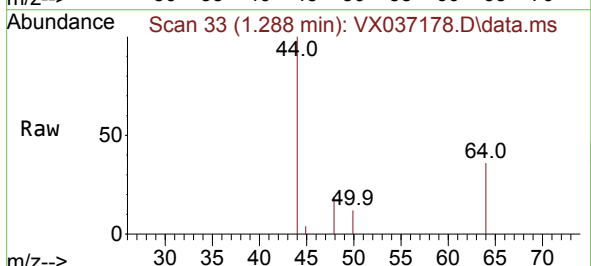


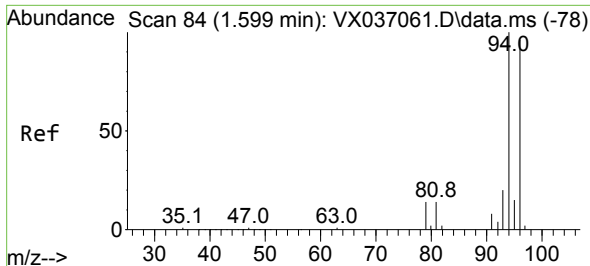
Tgt Ion:168 Resp: 83336
Ion Ratio Lower Upper
168 100
99 62.5 56.6 85.0



#3
Chloromethane
Concen: 0.649 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

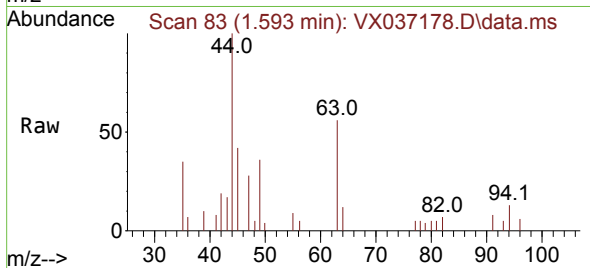
Tgt Ion: 50 Resp: 550
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



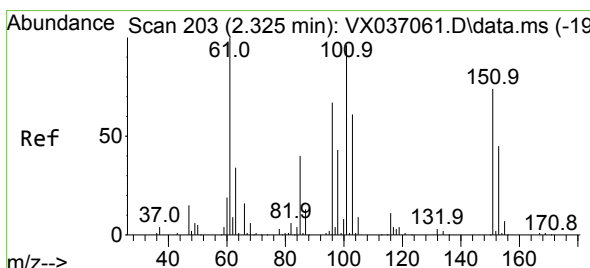
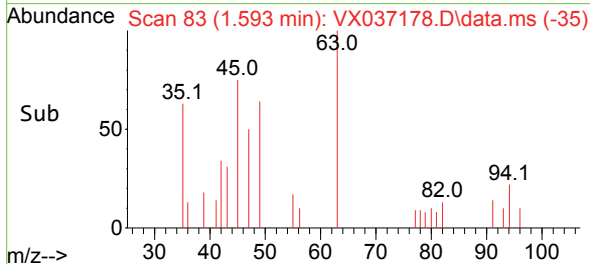
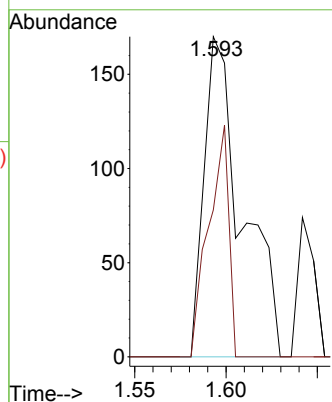


#5
Bromomethane
Concen: 0.536 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

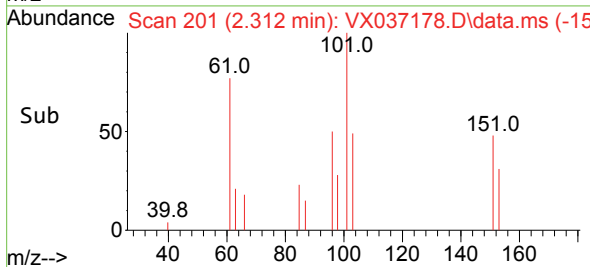
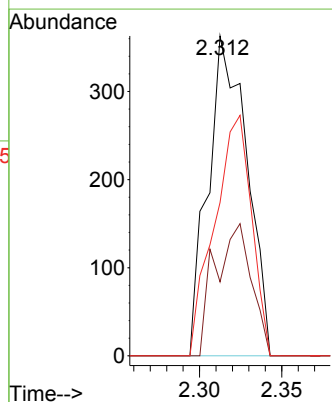
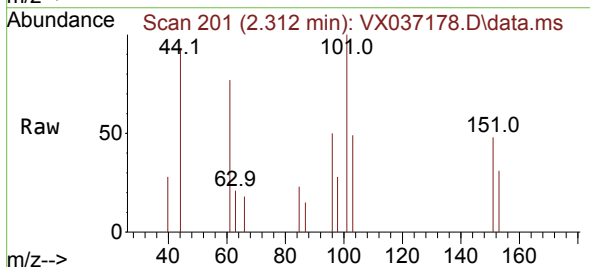


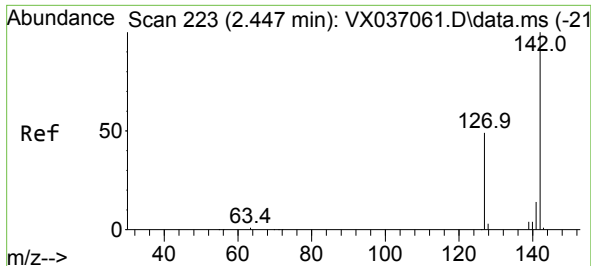
Tgt Ion: 94 Resp: 246
Ion Ratio Lower Upper
94 100
96 45.9 74.6 111.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.678 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.012 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

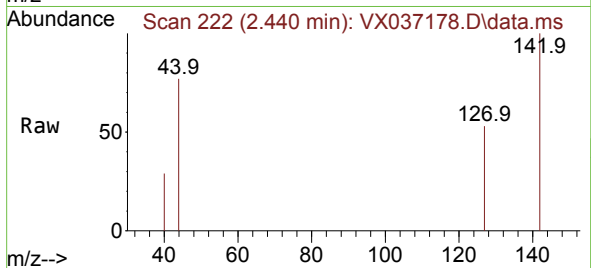
Tgt Ion: 101 Resp: 597
Ion Ratio Lower Upper
101 100
85 38.5 37.0 55.6
151 71.7 58.6 87.8



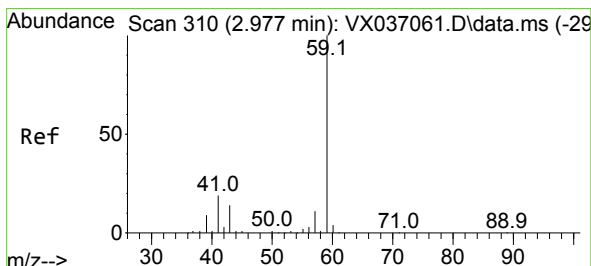
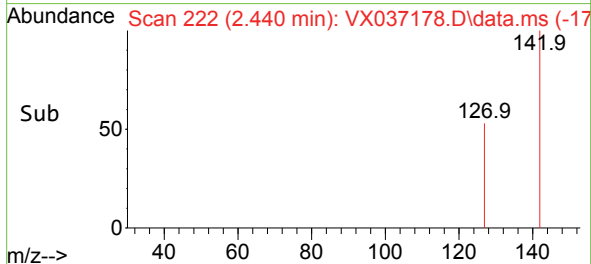
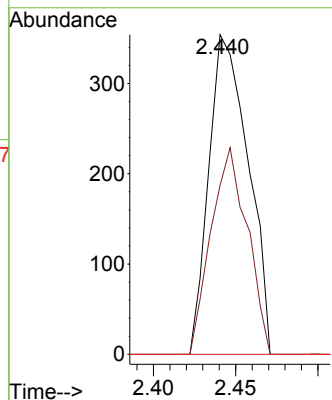


#10
Methyl Iodide
Concen: 0.549 ug/l
RT: 2.440 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

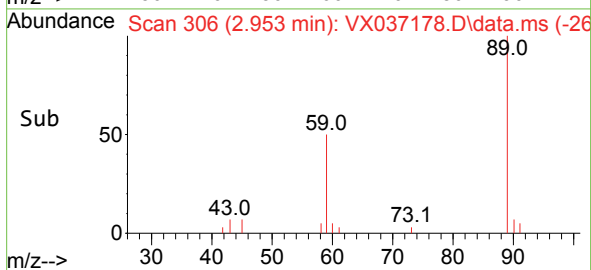
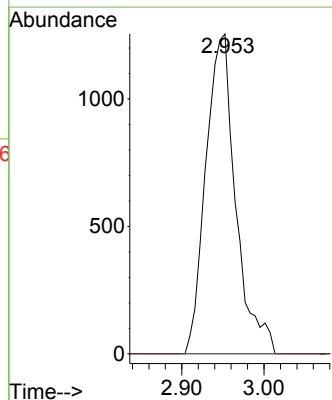
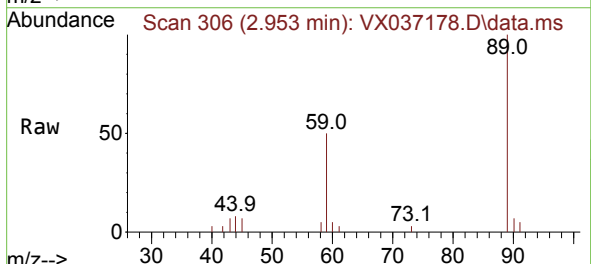


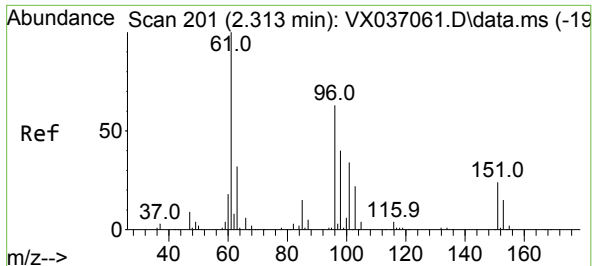
Tgt Ion:142 Resp: 588
Ion Ratio Lower Upper
142 100
127 59.9 41.6 62.4
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 11.259 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion: 59 Resp: 3173
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.357 ug/l

RT: 2.306 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX037178.D

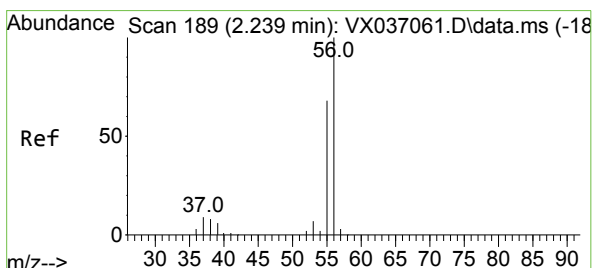
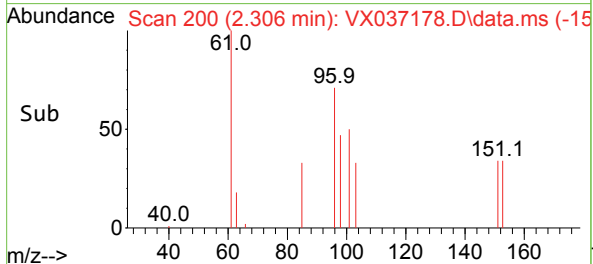
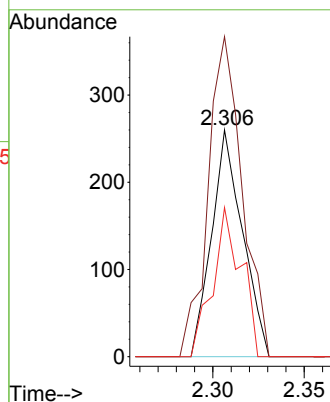
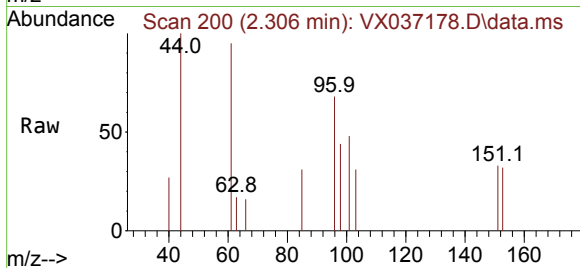
Acq: 23 Aug 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	96	Resp:	306
Ion	Ratio	Lower	Upper
96	100		
61	141.2	144.6	216.8#
98	65.8	50.4	75.6



#13

Acrolein

Concen: 0.280 ug/l

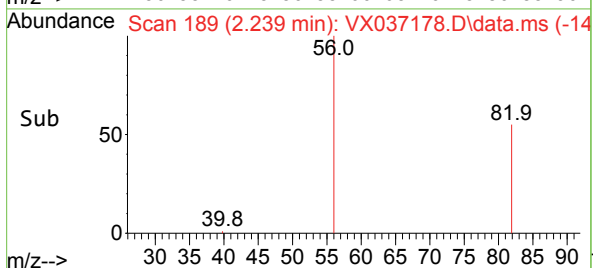
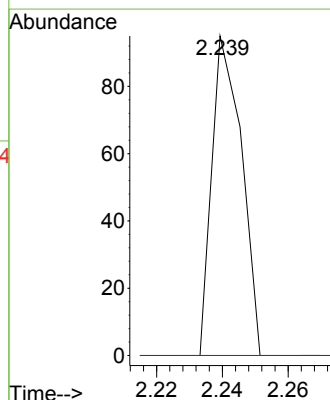
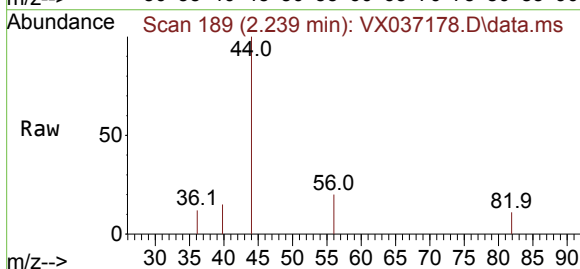
RT: 2.239 min Scan# 189

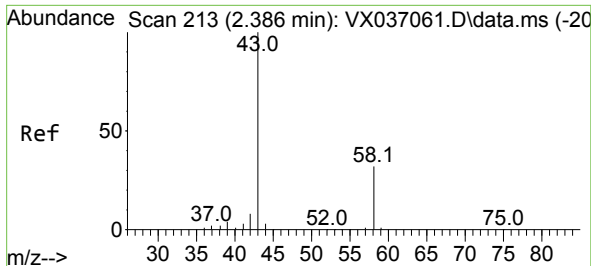
Delta R.T. -0.000 min

Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

Tgt Ion:	56	Resp:	60
Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.1	85.7#

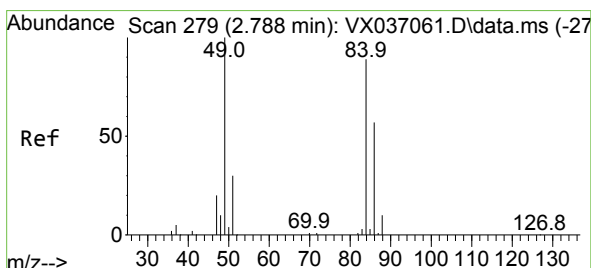
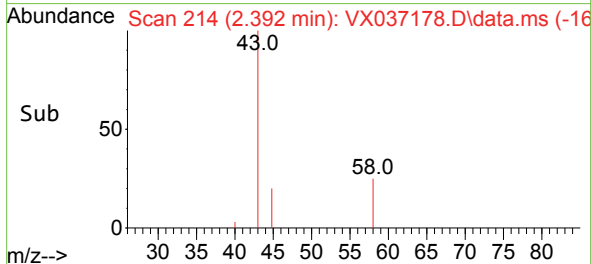
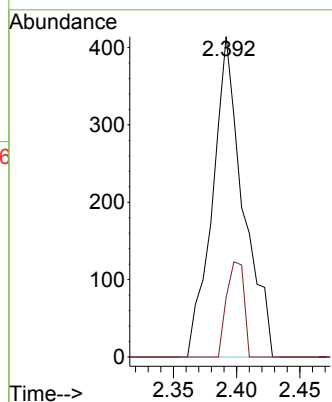
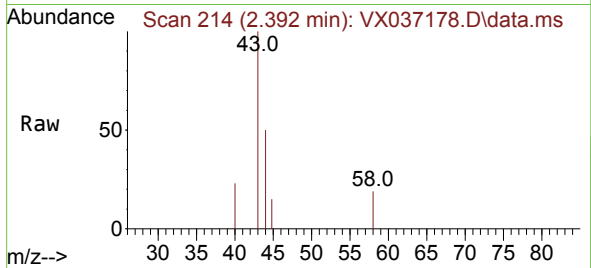




#16
Acetone
Concen: 1.481 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

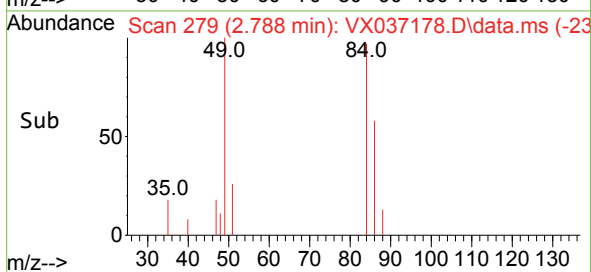
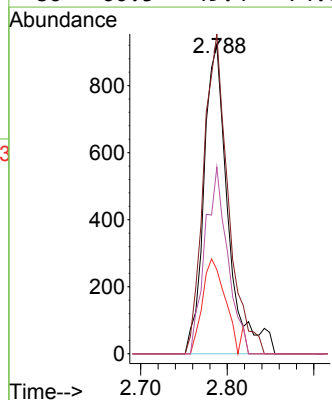
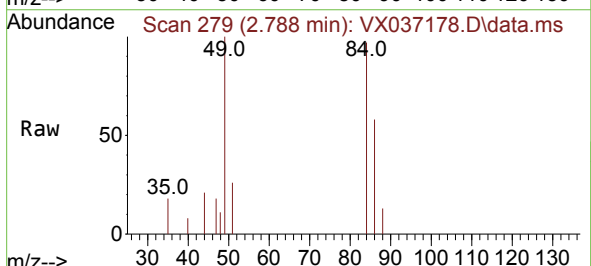
Instrument :
MSVOA_X
ClientSampleId :

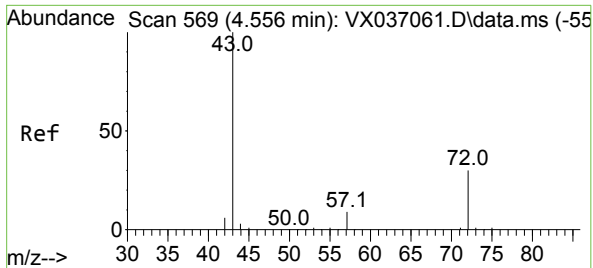
Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
58 18.6 21.9 32.9#



#20
Methylene Chloride
Concen: 1.696 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion: 84 Resp: 1783
Ion Ratio Lower Upper
84 100
49 103.6 103.6 155.4#
51 27.3 33.8 50.6#
86 60.5 49.4 74.0

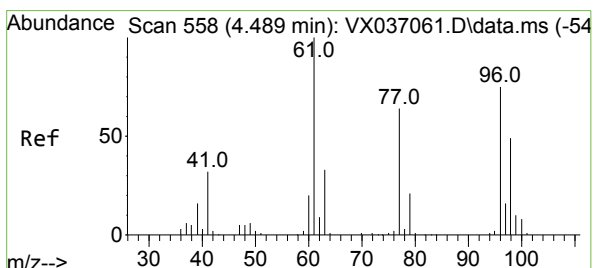
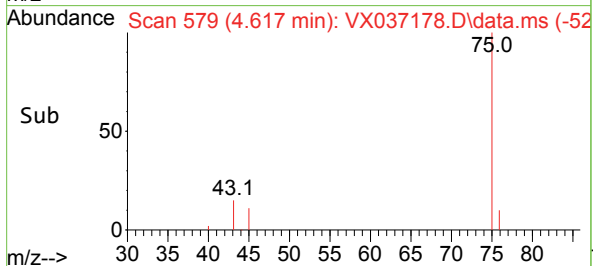
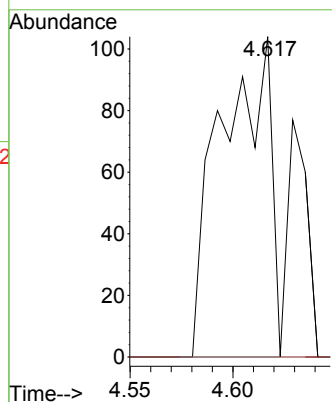
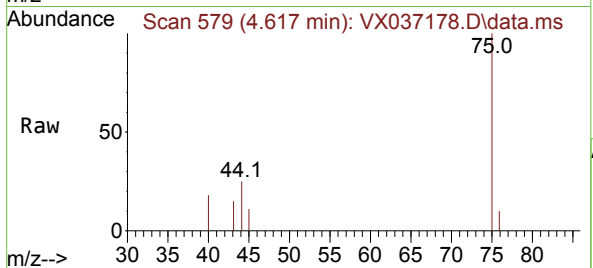




#25
2-Butanone
Concen: 0.246 ug/l
RT: 4.617 min Scan# 51
Delta R.T. 0.061 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

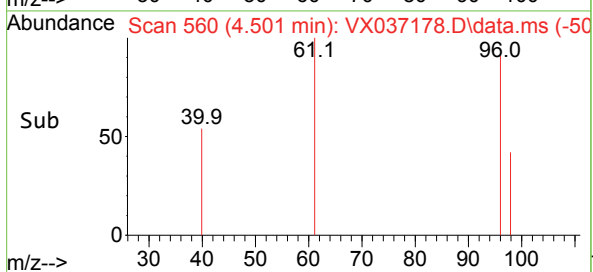
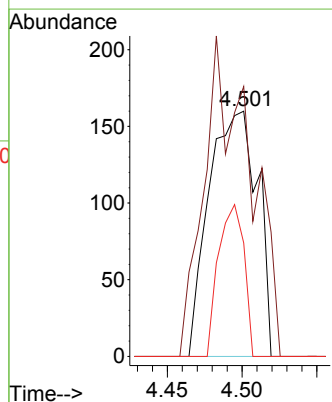
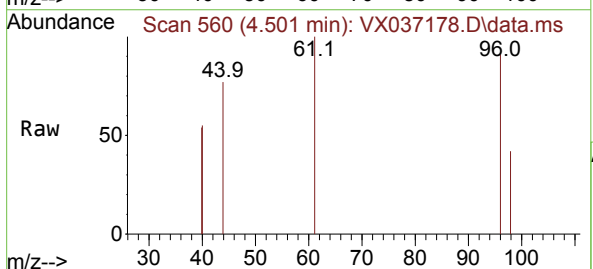
Instrument :
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ClientSampleId :

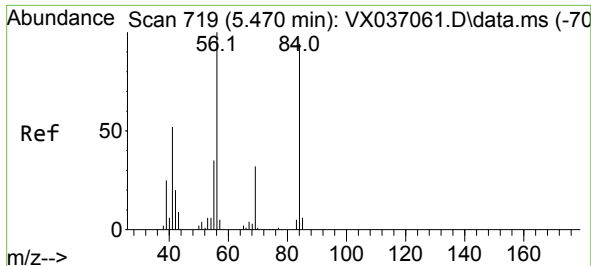
Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.315 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

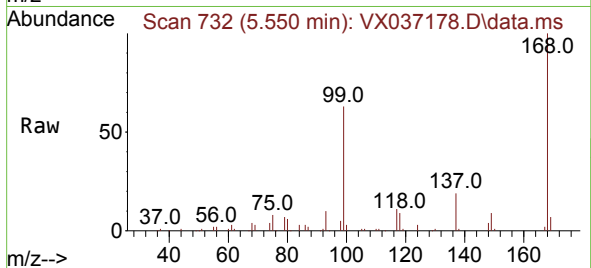
Tgt Ion: 96 Resp: 362
Ion Ratio Lower Upper
96 100
61 124.0 0.0 312.2
98 32.3 0.0 129.0



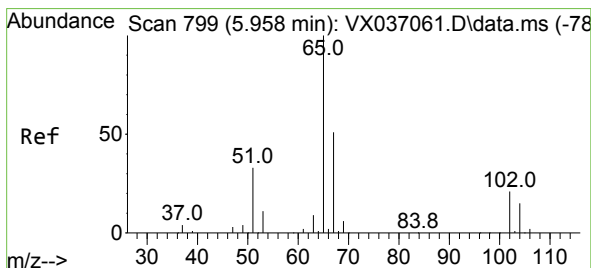
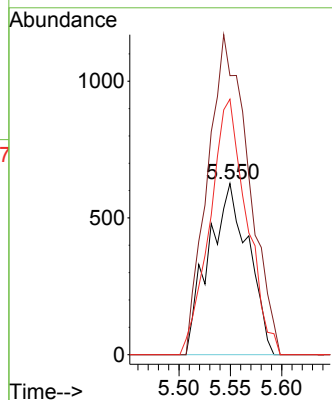
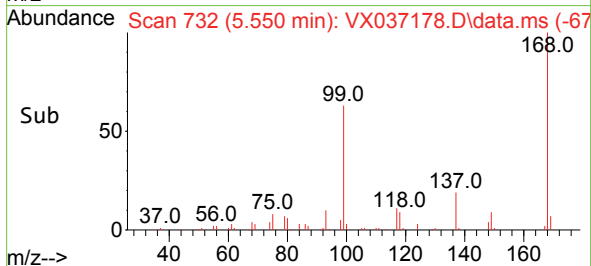


#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

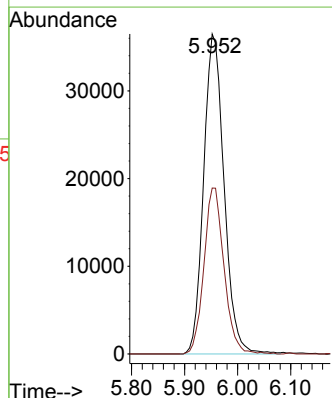
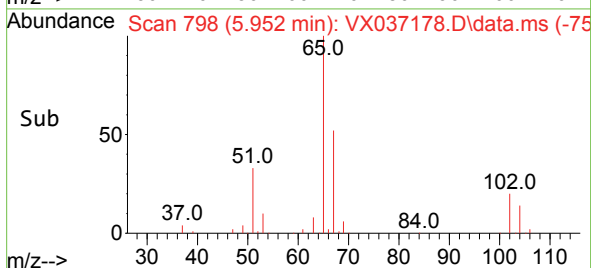
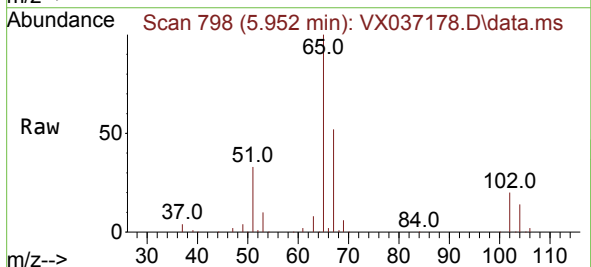


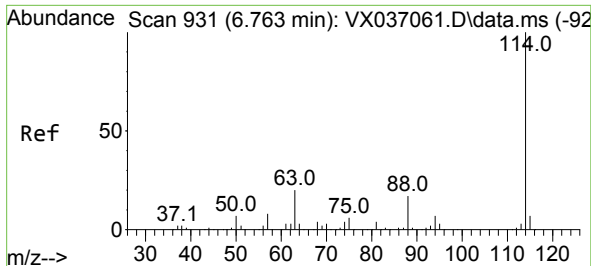
Tgt Ion: 56 Resp: 1696
Ion Ratio Lower Upper
56 100
69 162.9 23.4 35.2#
84 149.2 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 81.308 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion: 65 Resp: 97686
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

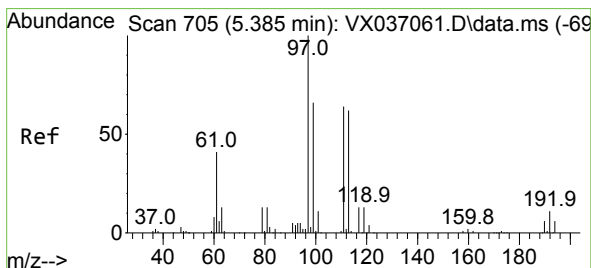
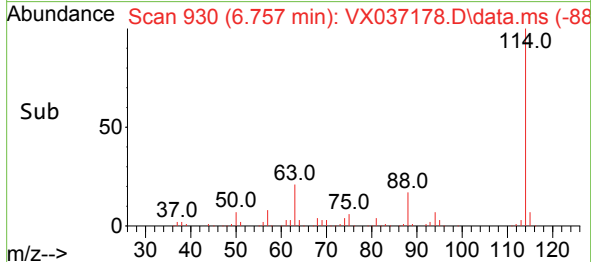
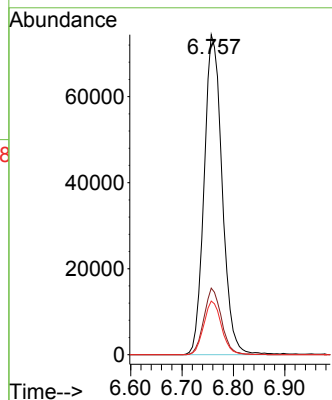
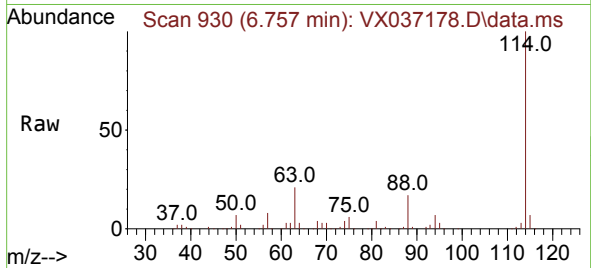




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

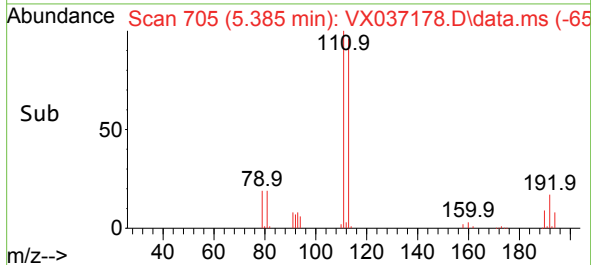
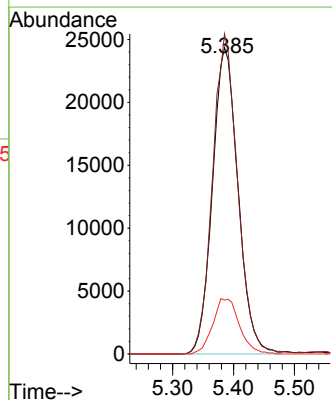
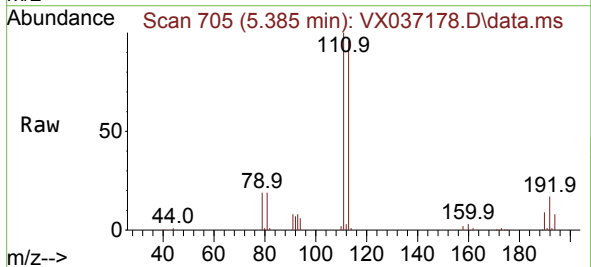
Instrument :
MSVOA_X
ClientSampleId :

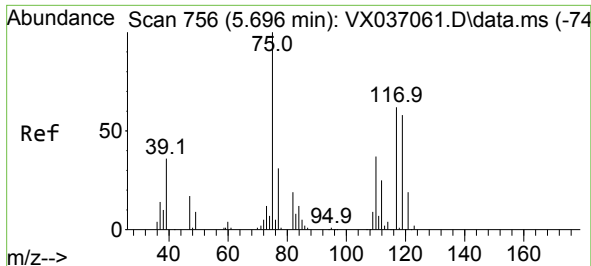
Tgt Ion:114 Resp: 181068
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 59.253 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

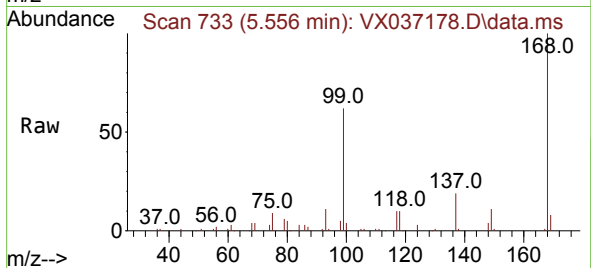
Tgt Ion:113 Resp: 71055
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.8 13.3 19.9



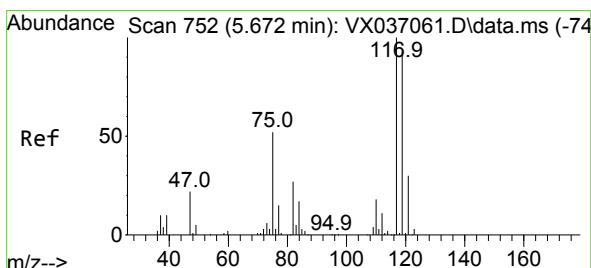
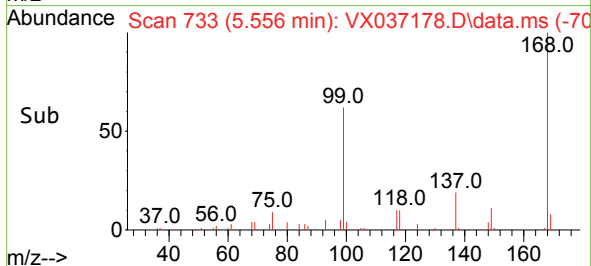
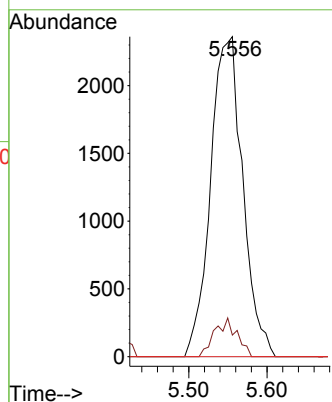


#36
1,1-Dichloropropene
Concen: 3.956 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

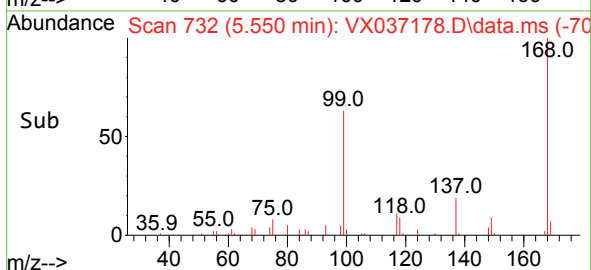
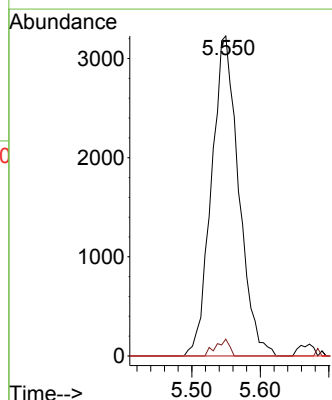
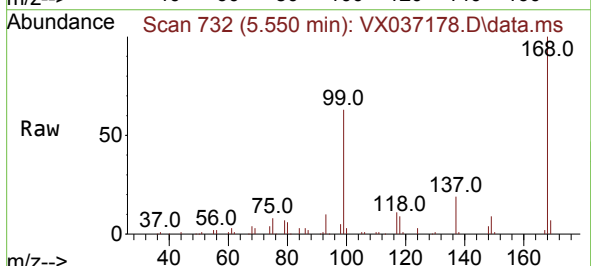


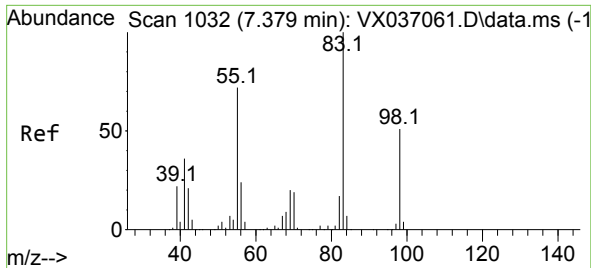
Tgt Ion: 75 Resp: 6739
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.821 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

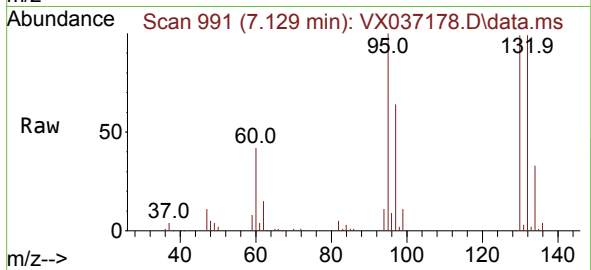
Tgt Ion: 117 Resp: 8923
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



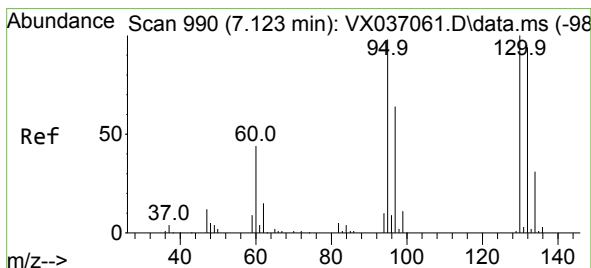
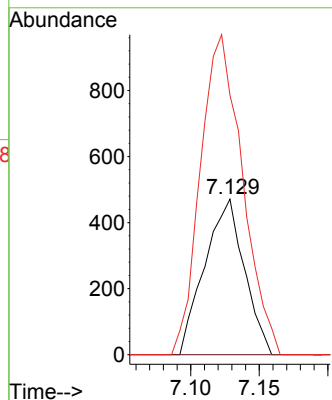
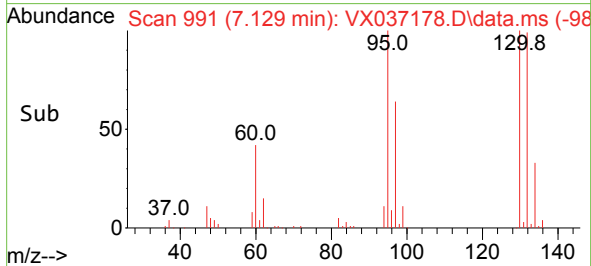


#39
Methylcyclohexane
Concen: 0.529 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

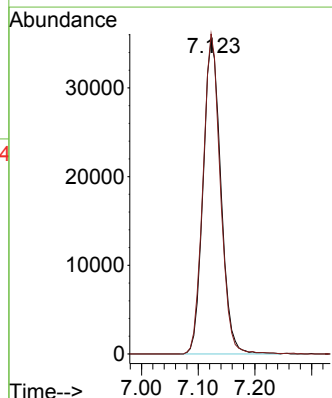
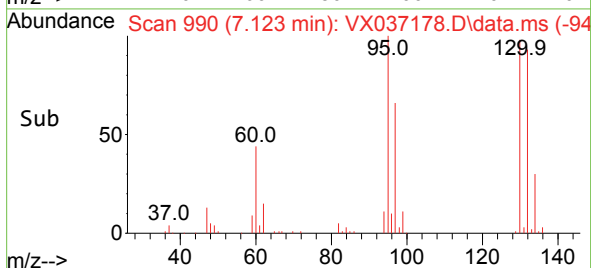
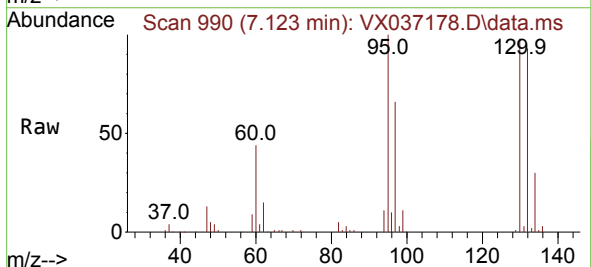


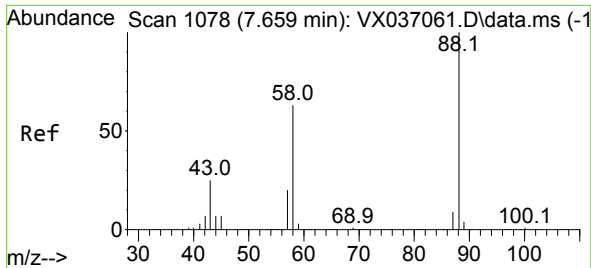
Tgt Ion: 83 Resp: 947
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 166.9 36.7 55.1#



#44
Trichloroethene
Concen: 55.642 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion:130 Resp: 77093
Ion Ratio Lower Upper
130 100
95 101.9 0.0 204.4

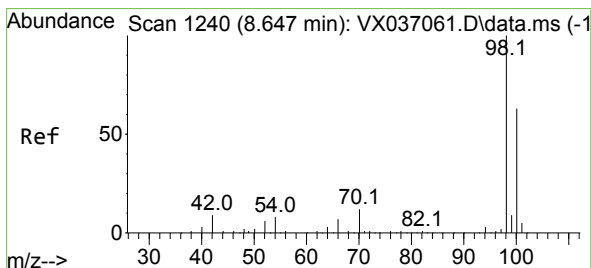
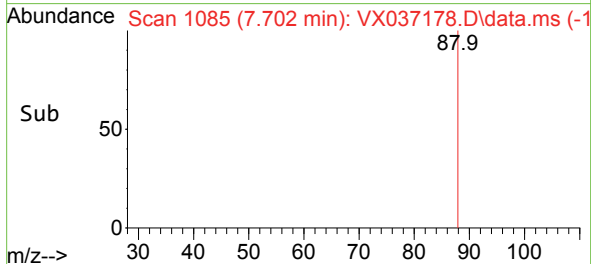
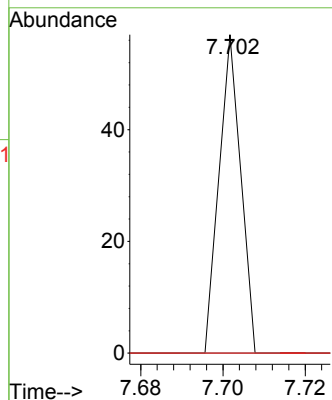
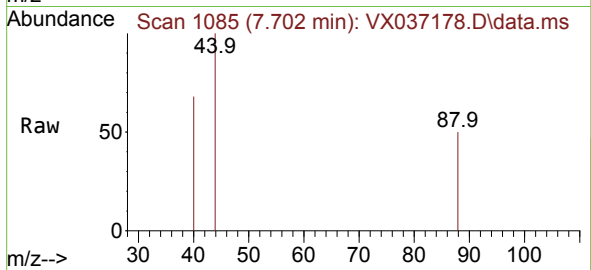




#49
1,4-Dioxane
Concen: 0.579 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.043 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

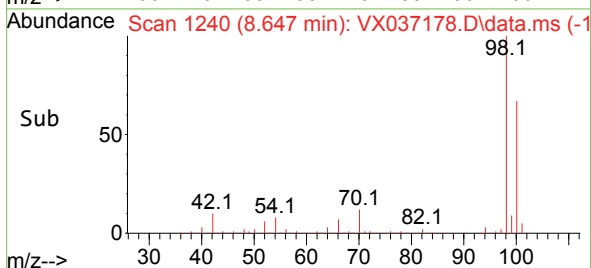
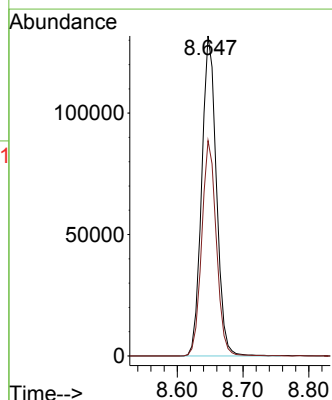
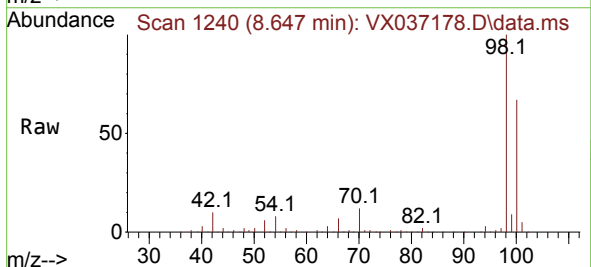
Instrument :
MSVOA_X
ClientSampleId :

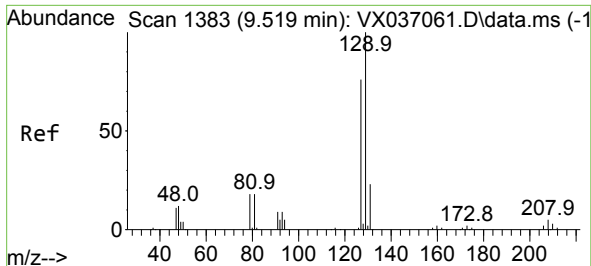
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 47.021 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

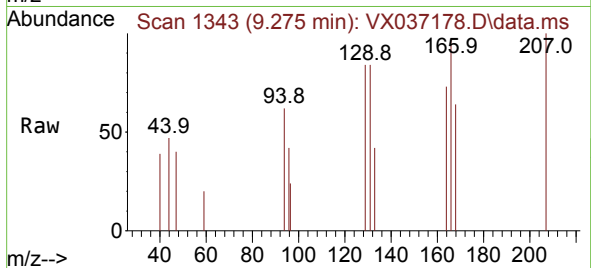
Tgt Ion: 98 Resp: 204536
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



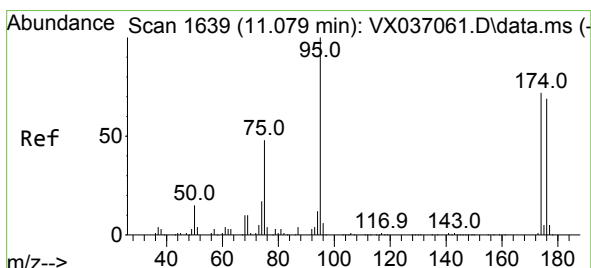
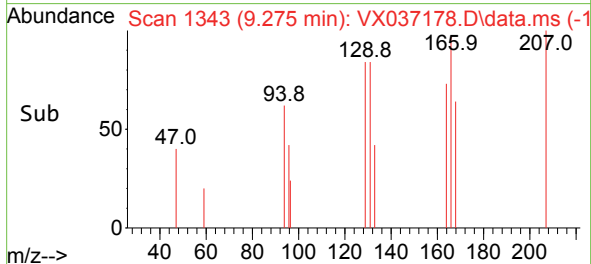
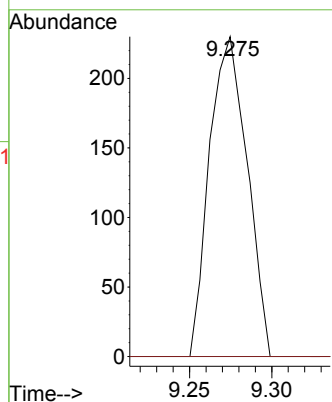


#60
Dibromochloromethane
Concen: 0.262 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

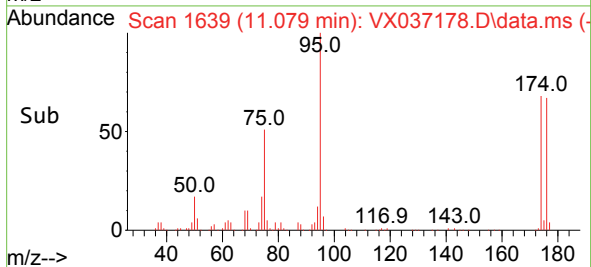
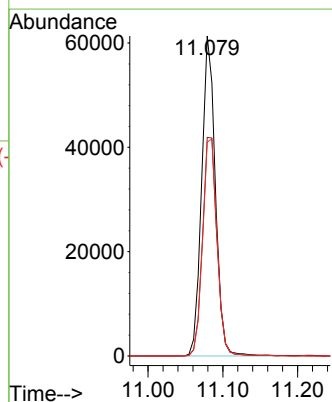
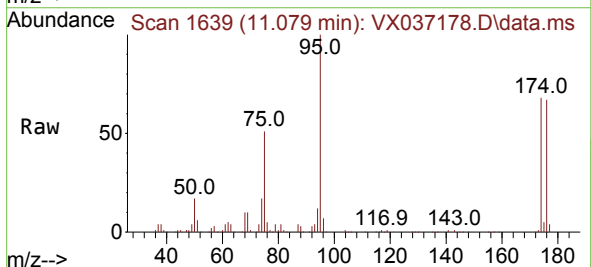


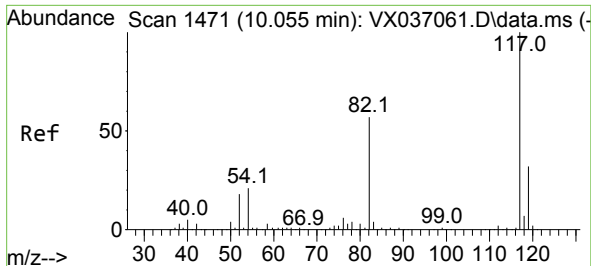
Tgt Ion:129 Resp: 367
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.628 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion: 95 Resp: 77997
Ion Ratio Lower Upper
95 100
174 72.4 0.0 135.6
176 71.3 0.0 131.0

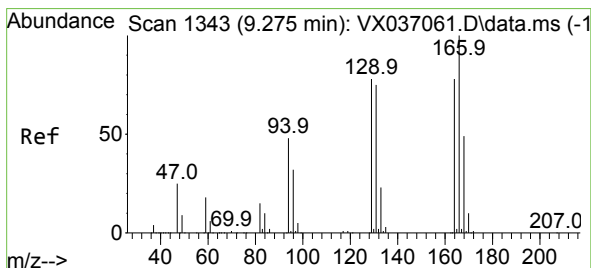
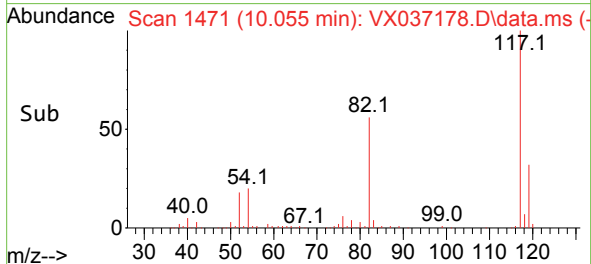
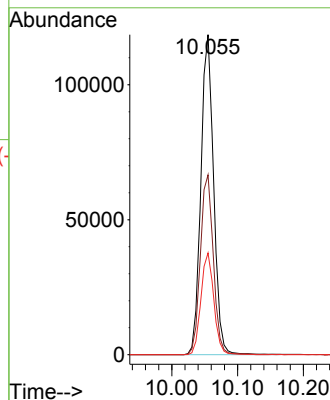
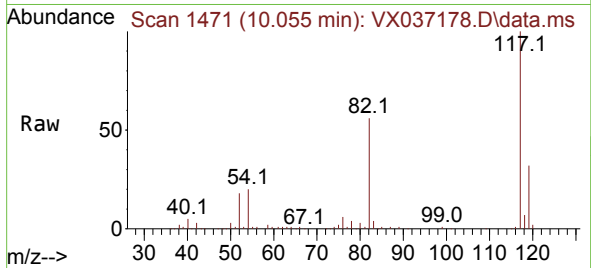




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

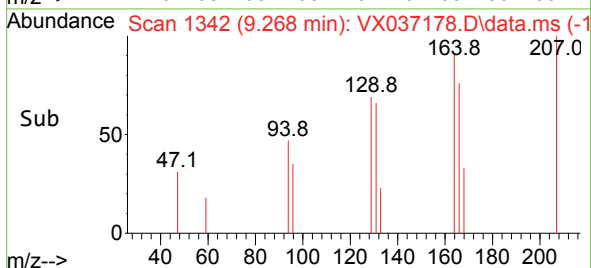
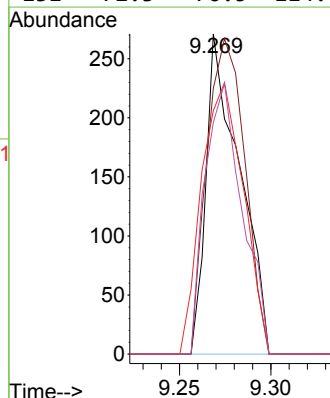
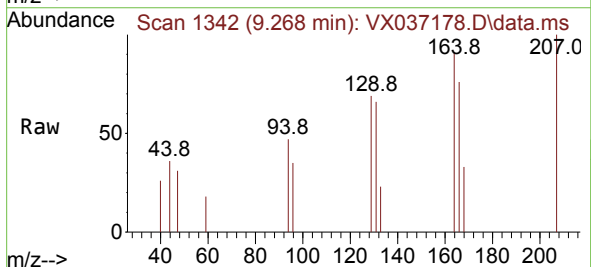
Instrument :
MSVOA_X
ClientSampleId :

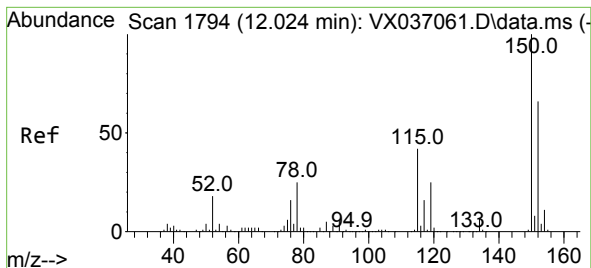
Tgt Ion:117 Resp: 159584
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.297 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion:164 Resp: 346
Ion Ratio Lower Upper
164 100
166 83.0 102.7 154.1#
129 76.0 80.4 120.6#
131 72.3 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :

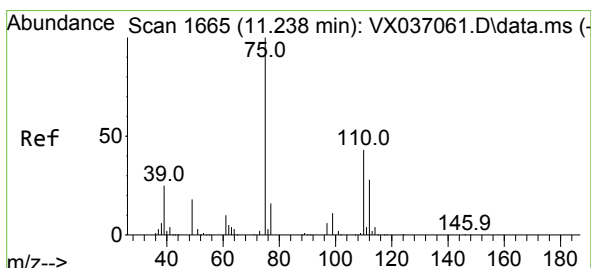
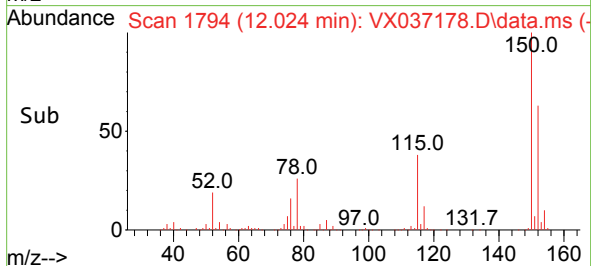
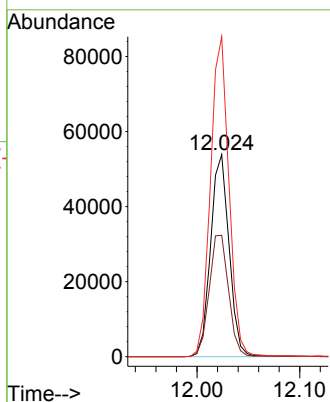
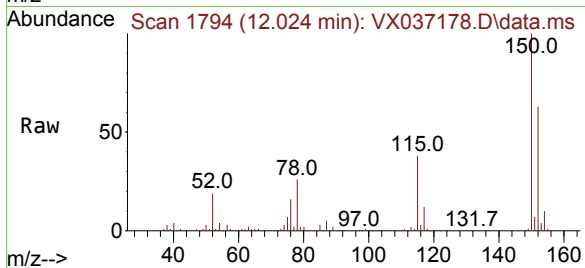
Tgt Ion:152 Resp: 67242

Ion Ratio Lower Upper

152 100

115 63.3 43.3 129.9

150 158.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 28.105 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037178.D

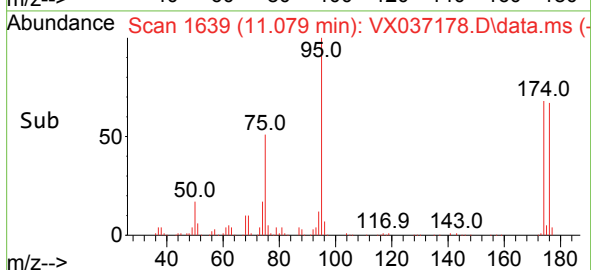
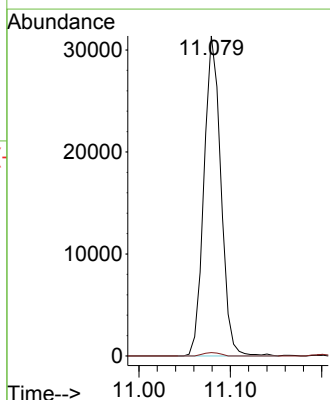
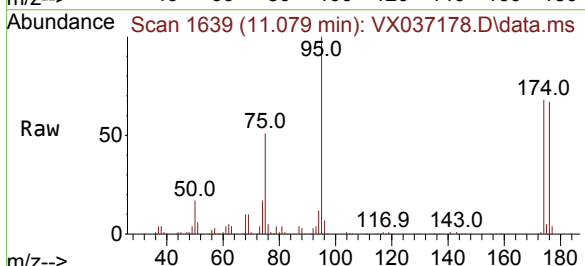
Acq: 23 Aug 2023 13:05

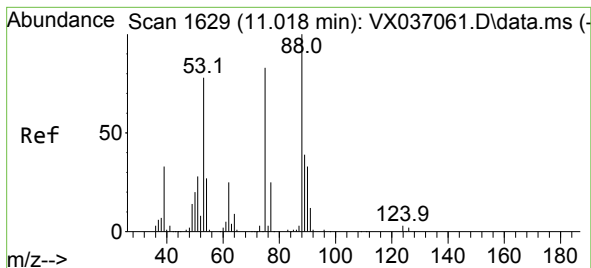
Tgt Ion: 75 Resp: 40247

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

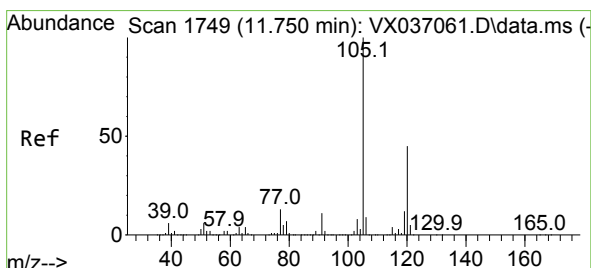
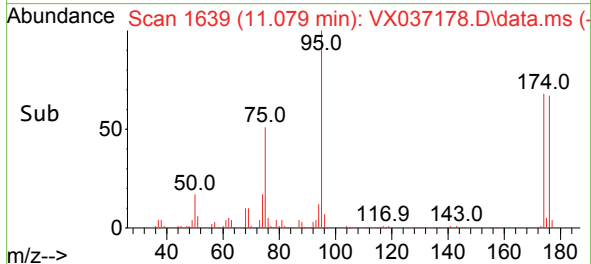
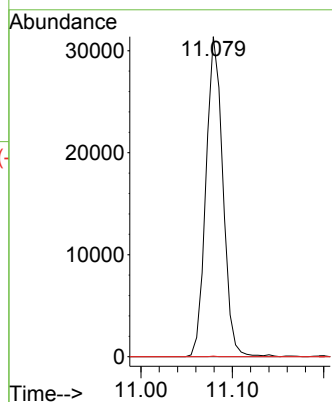
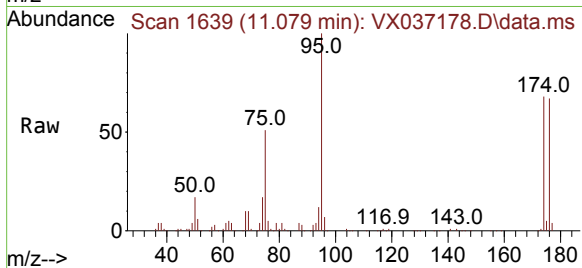




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.498 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037178.D
 Acq: 23 Aug 2023 13:05

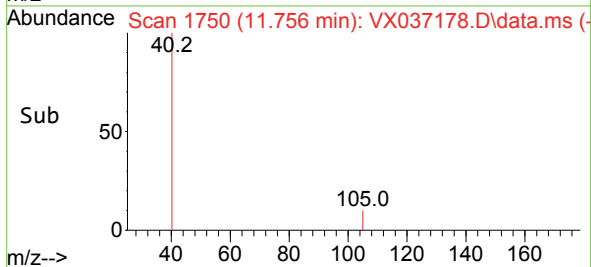
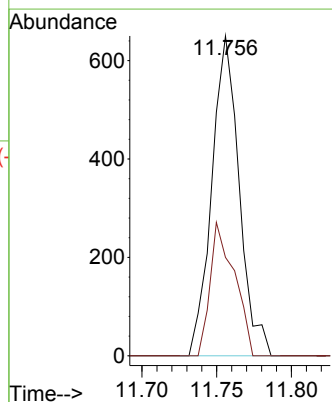
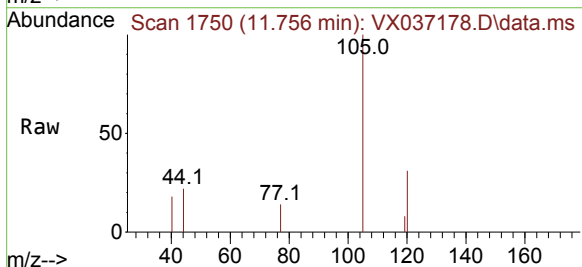
Instrument :
 MSVOA_X
 ClientSampleId :

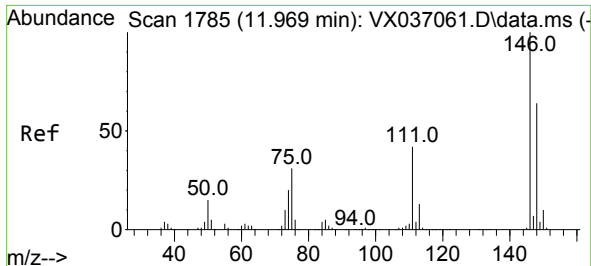
Tgt Ion: 75 Resp: 40247
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.201 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX037178.D
 Acq: 23 Aug 2023 13:05

Tgt Ion:105 Resp: 828
 Ion Ratio Lower Upper
 105 100
 120 37.0 21.2 63.6





#87

1,3-Dichlorobenzene

Concen: 0.254 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

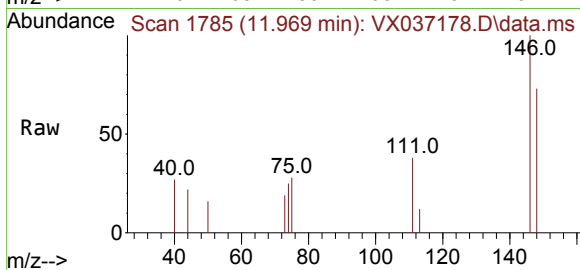
Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :



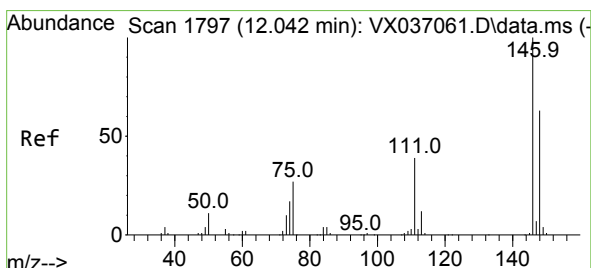
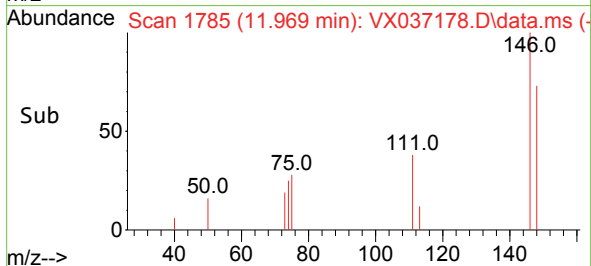
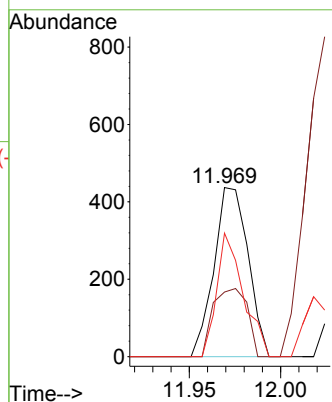
Tgt Ion:146 Resp: 568

Ion Ratio Lower Upper

146 100

111 40.1 22.1 66.1

148 56.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.246 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

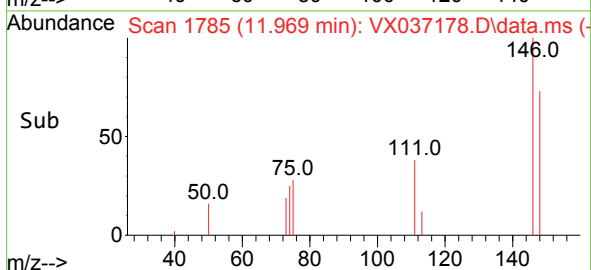
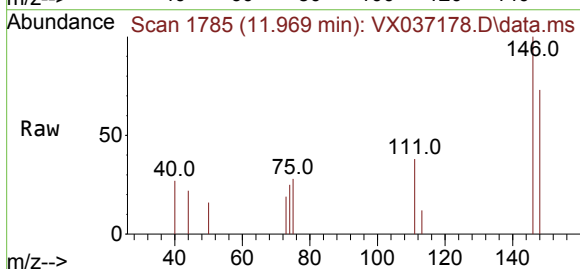
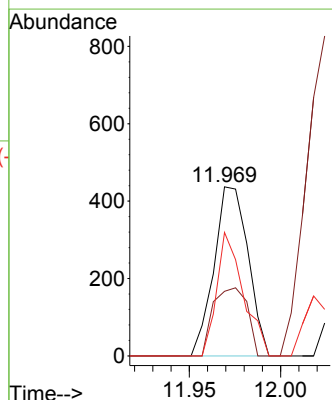
Tgt Ion:146 Resp: 568

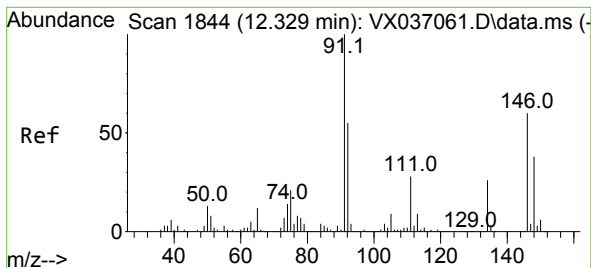
Ion Ratio Lower Upper

146 100

111 40.1 21.3 63.7

148 56.9 31.8 95.4





#89

n-Butylbenzene

Concen: 0.222 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

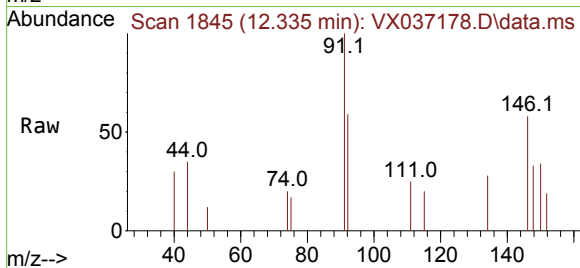
Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :



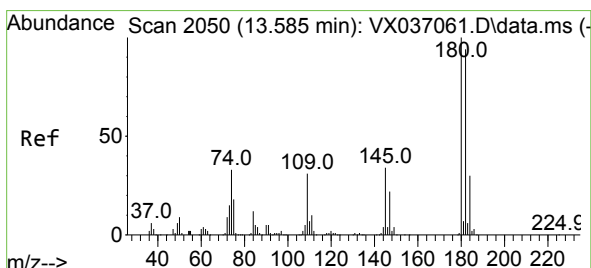
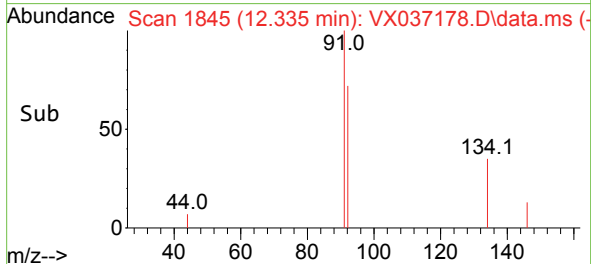
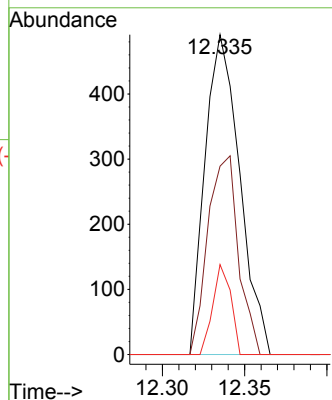
Tgt Ion: 91 Resp: 720

Ion Ratio Lower Upper

91 100

92 54.7 27.4 82.0

134 14.6 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.472 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

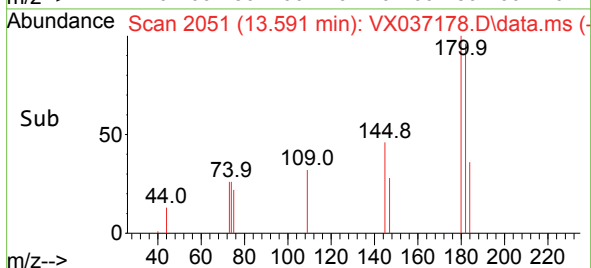
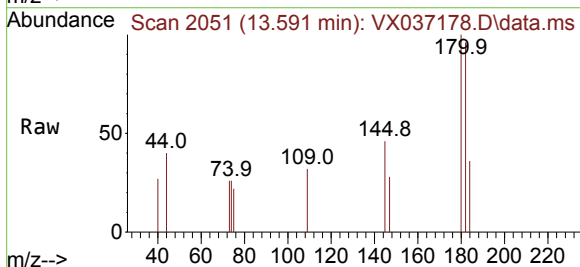
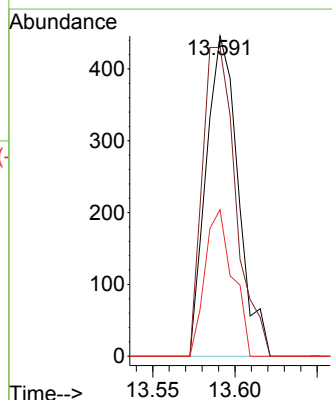
Tgt Ion: 180 Resp: 604

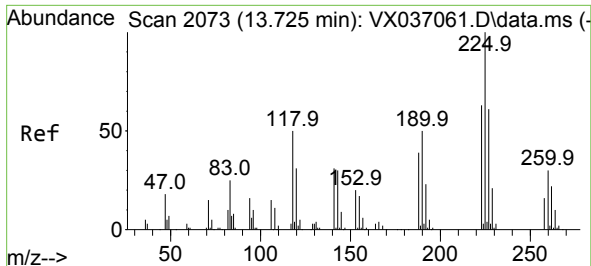
Ion Ratio Lower Upper

180 100

182 101.2 48.3 144.8

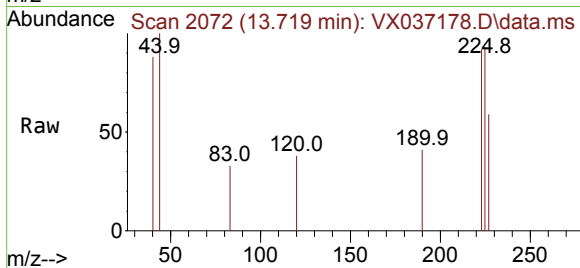
145 39.9 18.0 54.0



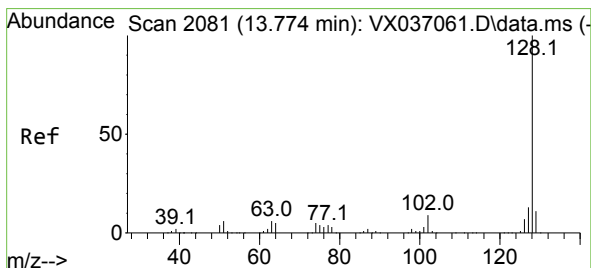
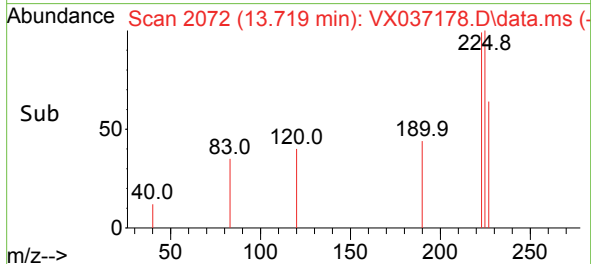
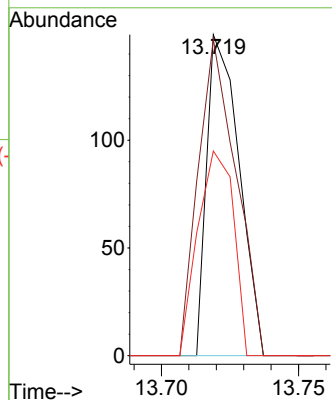


#94
Hexachlorobutadiene
Concen: 0.247 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Instrument :
MSVOA_X
ClientSampleId :

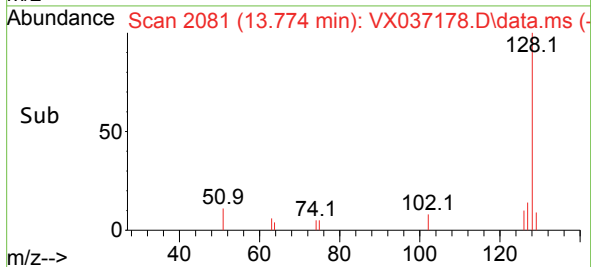
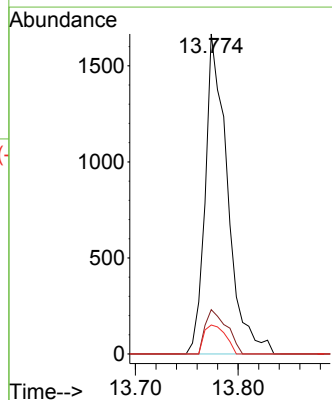
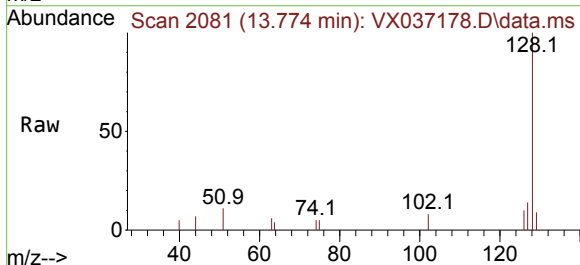


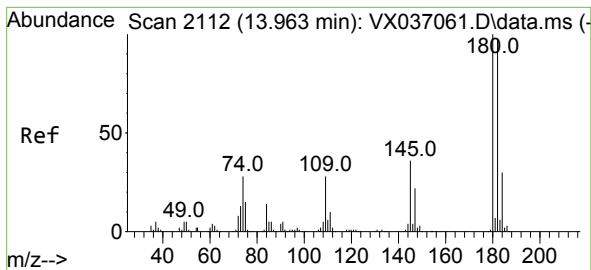
Tgt Ion:225 Resp: 122
Ion Ratio Lower Upper
225 100
223 115.6 31.1 93.2#
227 70.5 32.5 97.5



#95
Naphthalene
Concen: 0.448 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037178.D
Acq: 23 Aug 2023 13:05

Tgt Ion:128 Resp: 2513
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 8.6 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 0.472 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

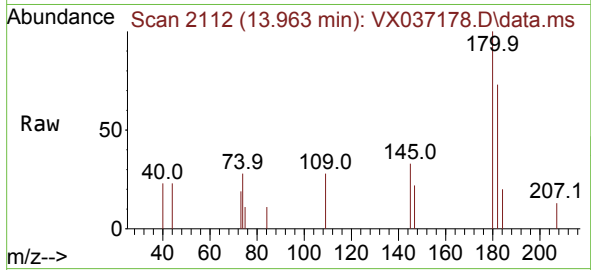
Lab File: VX037178.D

Acq: 23 Aug 2023 13:05

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 601

Ion Ratio Lower Upper

180 100

182 92.7 46.9 140.6

145 27.5 17.8 53.5

