

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037179.D
 Acq On : 23 Aug 2023 13:29
 Operator : JC/MD
 Sample : 04025-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 05:31:18 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)

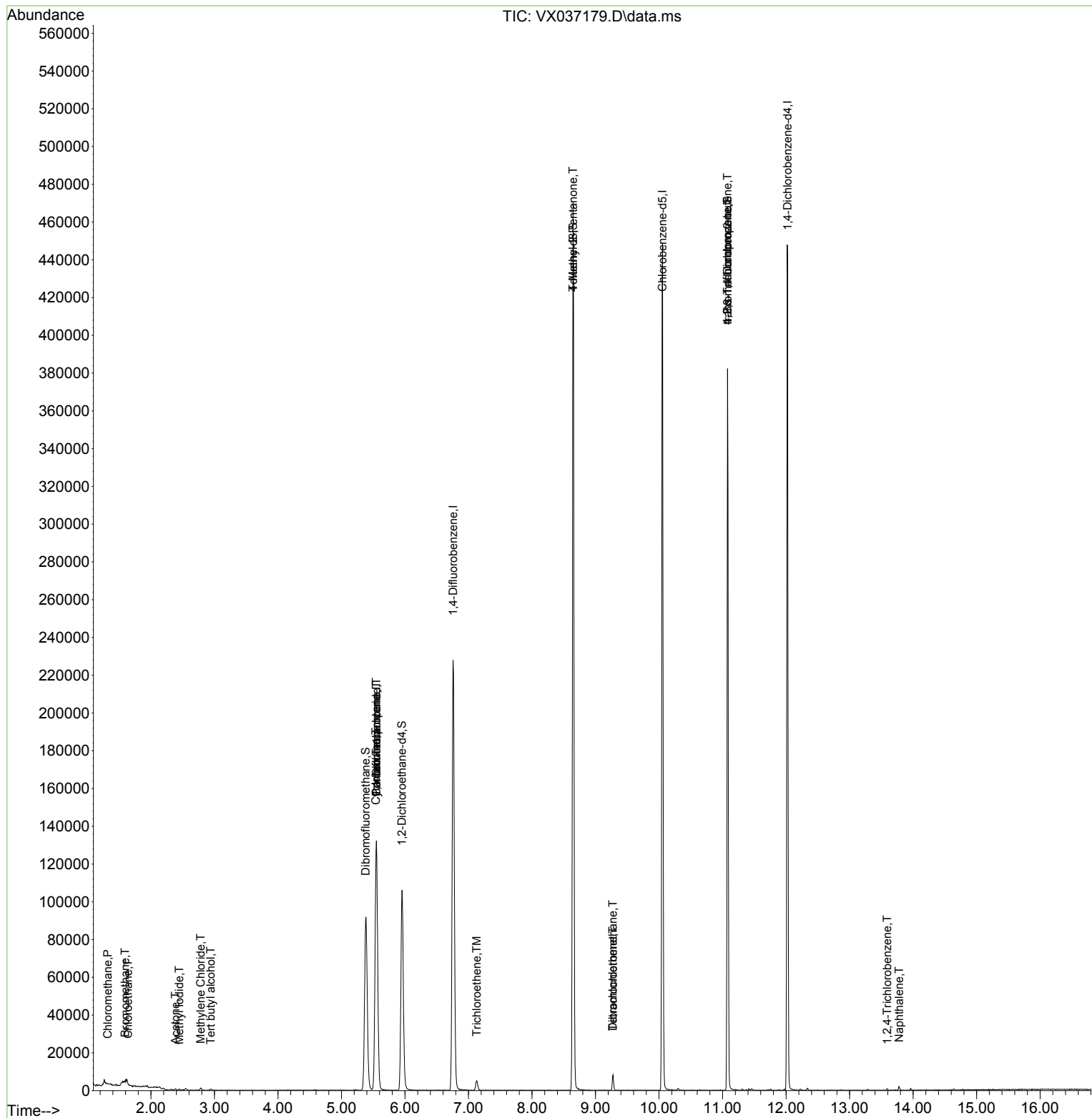
Internal Standards						
1) Pentafluorobenzene	5.550	168	122338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	238528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107435	60.914	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.820%#
35) Dibromofluoromethane	5.379	113	82503	52.227	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.460%
50) Toluene-d8	8.647	98	282877	49.366	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.740%
62) 4-Bromofluorobenzene	11.079	95	103653	46.029	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.060%
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	724	0.582	ug/l #	87
5) Bromomethane	1.593	94	158	0.234	ug/l #	68
6) Chloroethane	1.636	64	244	0.306	ug/l #	43
10) Methyl Iodide	2.447	142	512	0.326	ug/l #	84
11) Tert butyl alcohol	2.941	59	389	0.940	ug/l #	78
16) Acetone	2.386	43	768	1.113	ug/l	92
20) Methylene Chloride	2.782	84	600	0.389	ug/l	91
31) Cyclohexane	5.544	56	2541	1.281	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9856	4.391	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13338	5.471	ug/l #	15
44) Trichloroethene	7.129	130	2113	1.158	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1101	0.498	ug/l #	1
60) Dibromochloromethane	9.275	129	1459	0.791	ug/l #	11
64) Tetrachloroethene	9.275	164	1399	0.920	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	52344	26.512	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52344	74.050	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	389	0.220	ug/l	79
95) Naphthalene	13.780	128	1867	0.241	ug/l #	91

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

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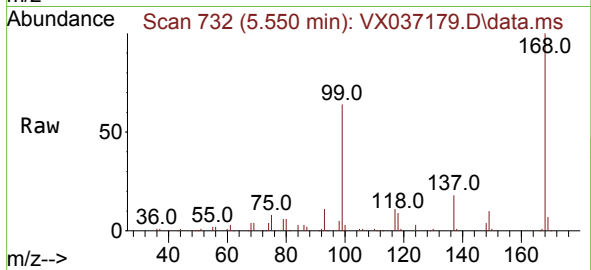
Quant Time: Aug 24 05:31:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



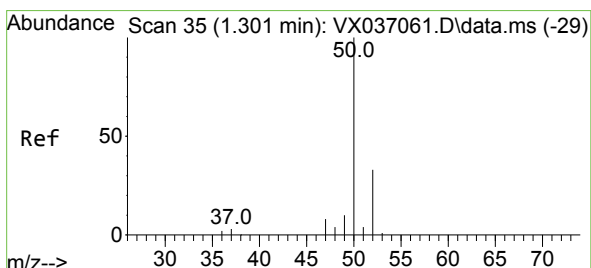
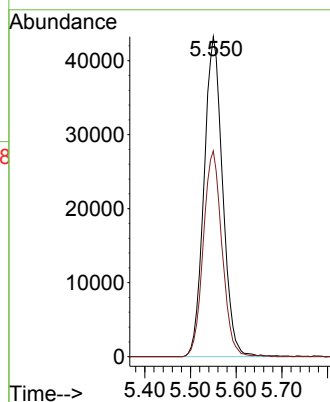
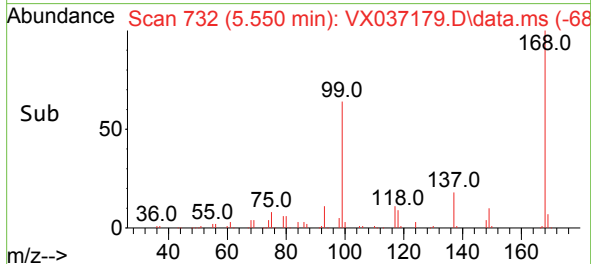


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :

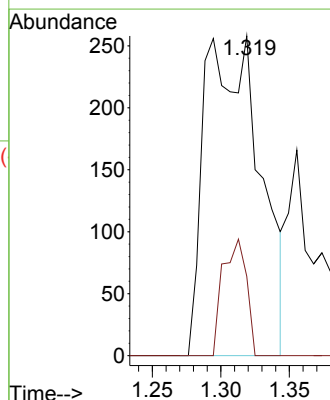
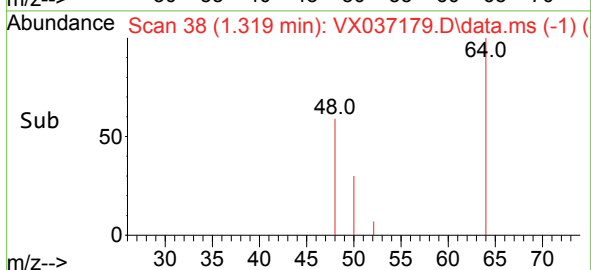
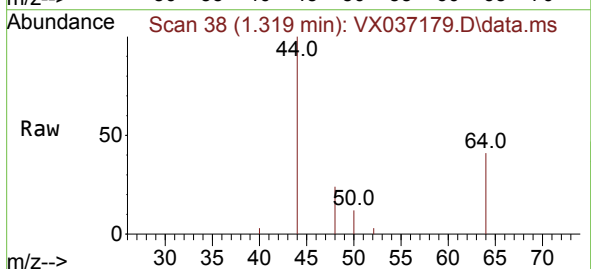


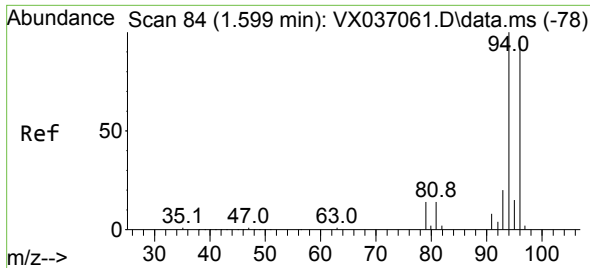
Tgt Ion:168 Resp: 122338
Ion Ratio Lower Upper
168 100
99 64.3 56.6 85.0



#3
Chloromethane
Concen: 0.582 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.018 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 24.8 25.5 38.3#

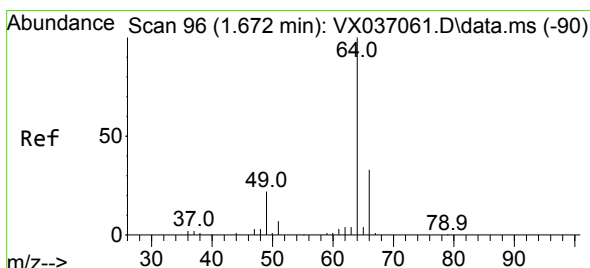
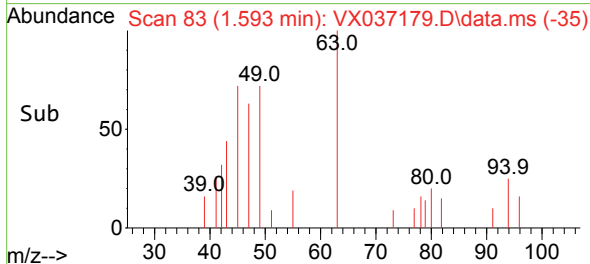
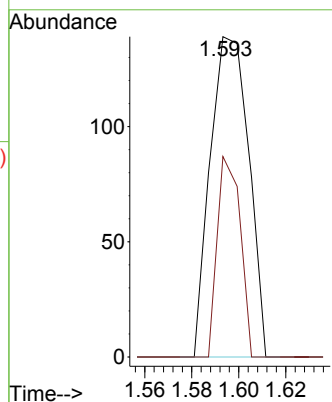
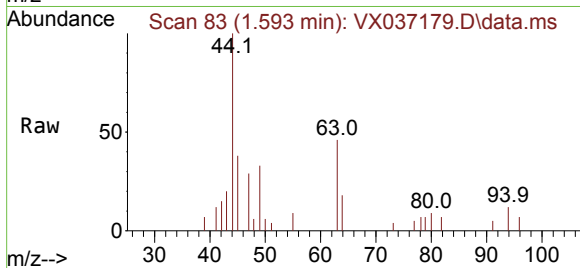




#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

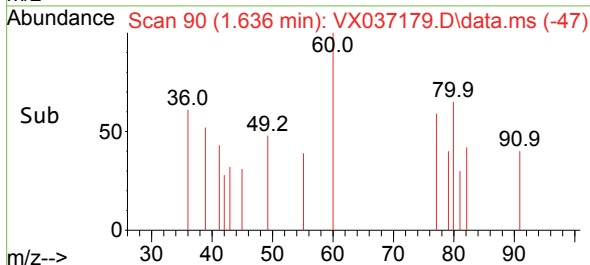
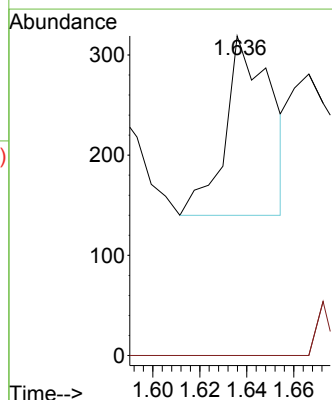
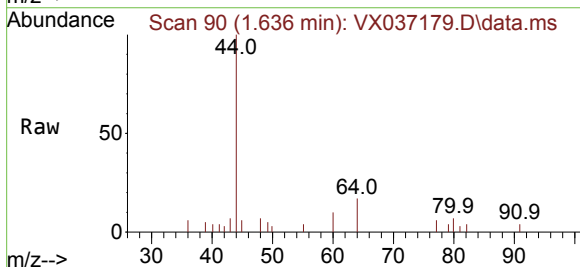
Instrument :
MSVOA_X
ClientSampleId :

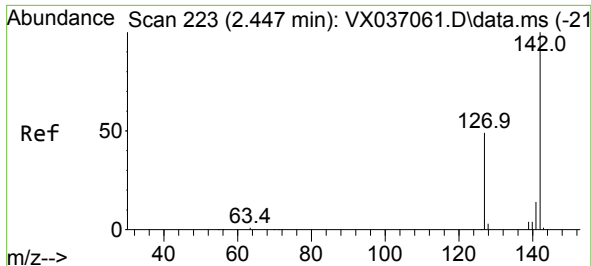
Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 62.6 74.6 111.8#



#6
Chloroethane
Concen: 0.306 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.036 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

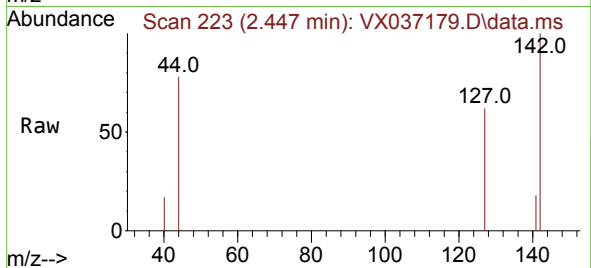
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



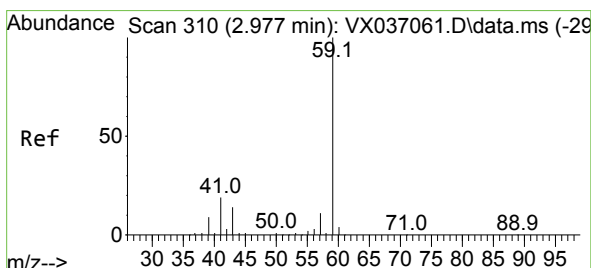
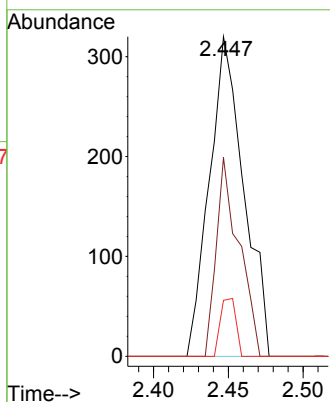
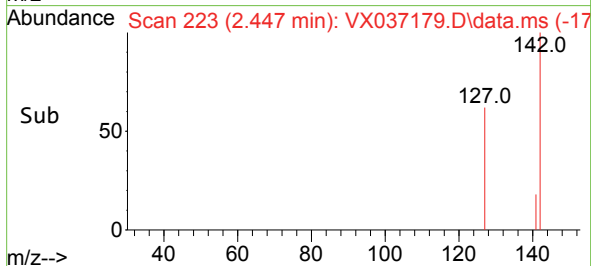


#10
Methyl Iodide
Concen: 0.326 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

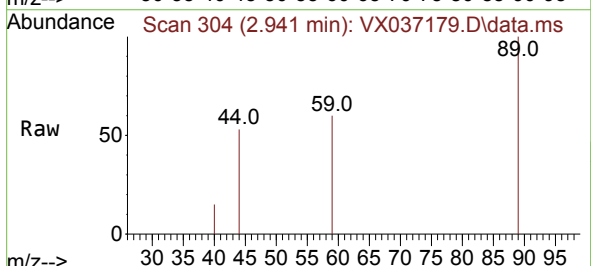
Instrument :
MSVOA_X
ClientSampleId :



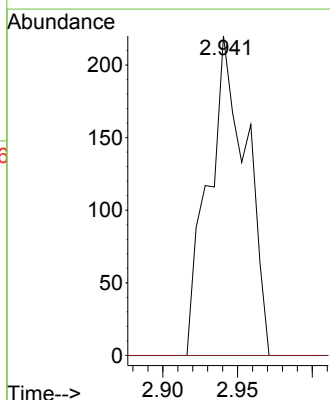
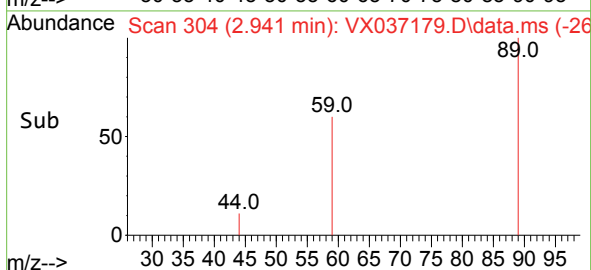
Tgt Ion:142 Resp: 512
Ion Ratio Lower Upper
142 100
127 41.0 41.6 62.4#
141 8.2 11.6 17.4#

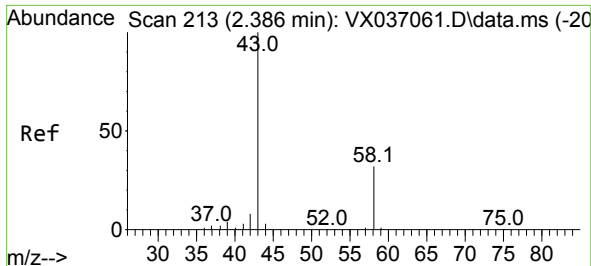


#11
Tert butyl alcohol
Concen: 0.940 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29



Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

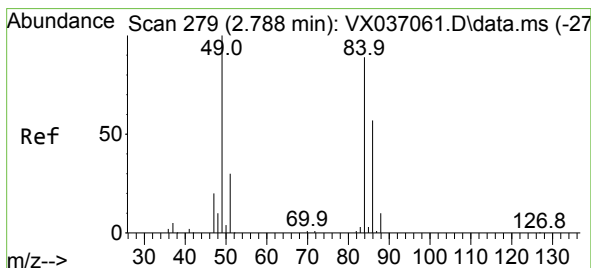
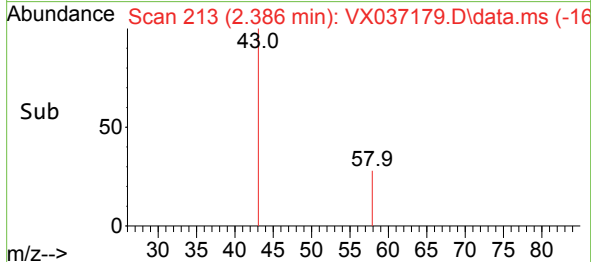
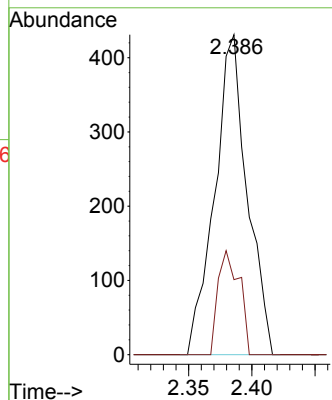
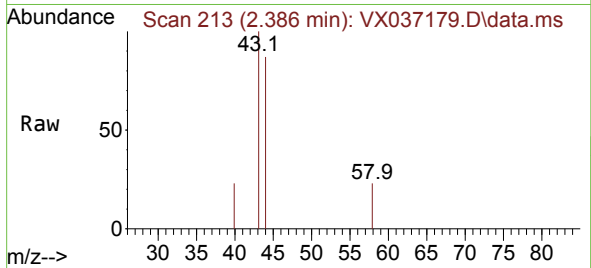




#16
Acetone
Concen: 1.113 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

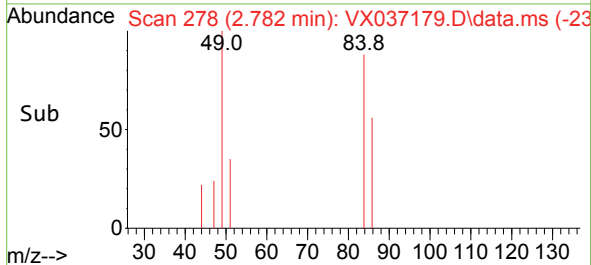
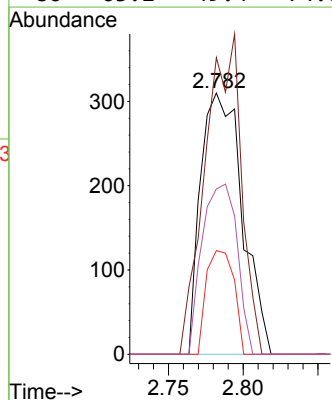
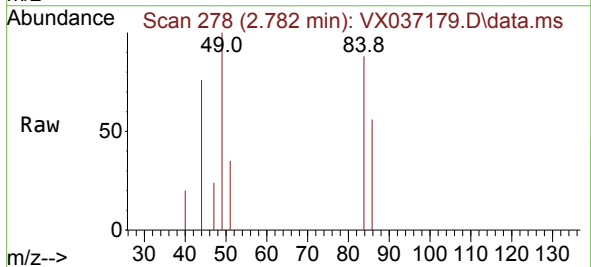
Instrument :
MSVOA_X
ClientSampleId :

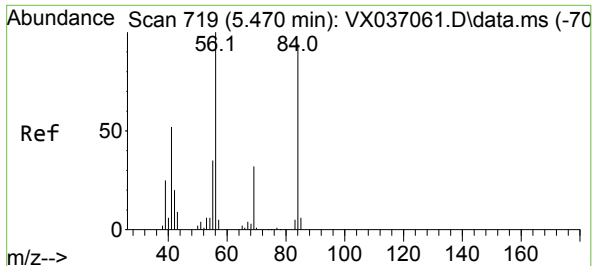
Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
58 23.4 21.9 32.9



#20
Methylene Chloride
Concen: 0.389 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

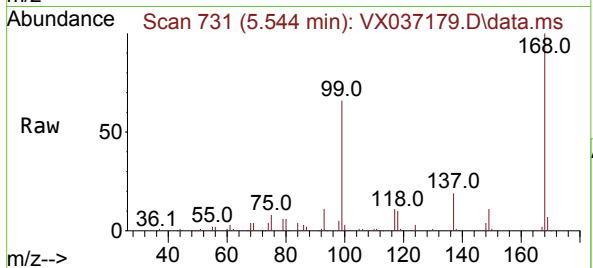
Tgt Ion: 84 Resp: 600
Ion Ratio Lower Upper
84 100
49 113.5 103.6 155.4
51 39.7 33.8 50.6
86 63.2 49.4 74.0



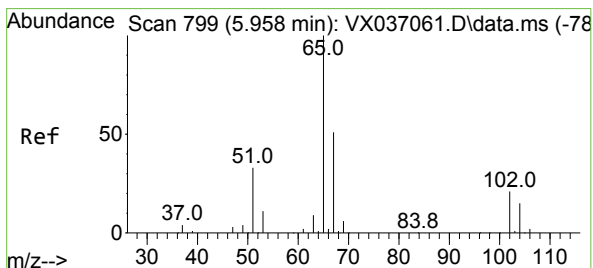
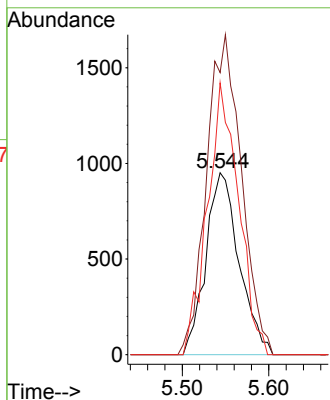
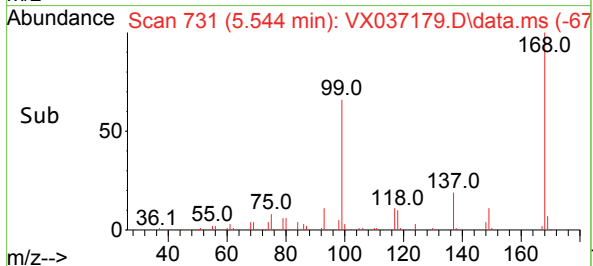


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Instrument :
MSVOA_X
ClientSampleId :

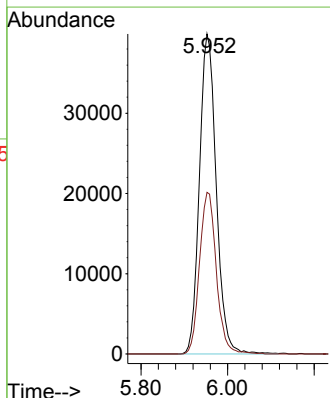
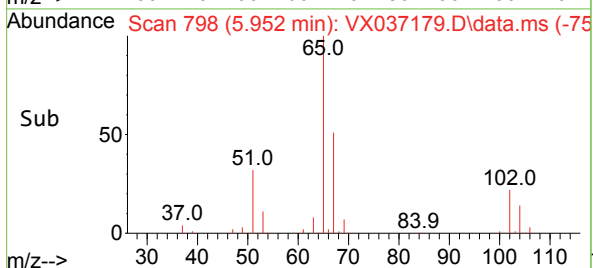
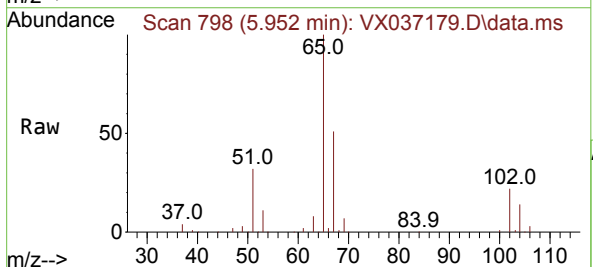


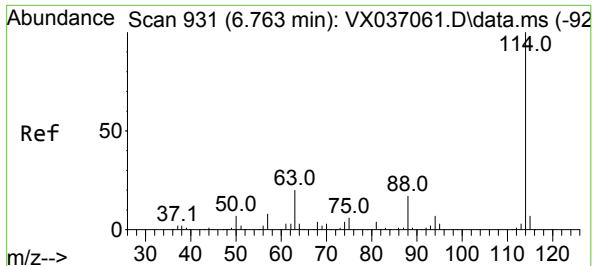
Tgt Ion: 56 Resp: 2541
Ion Ratio Lower Upper
56 100
69 155.1 23.4 35.2#
84 149.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 60.914 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Tgt Ion: 65 Resp: 107435
Ion Ratio Lower Upper
65 100
67 50.5 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: VX037179.D

Acq: 23 Aug 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

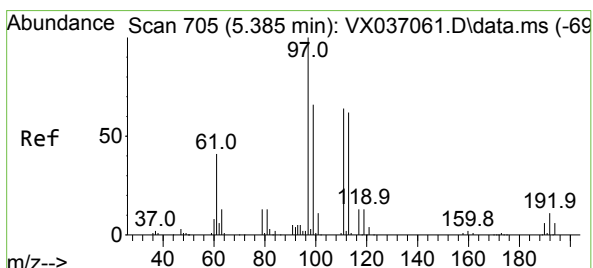
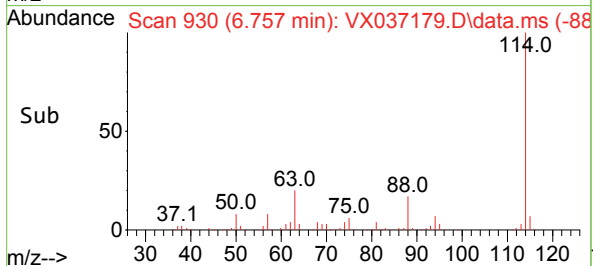
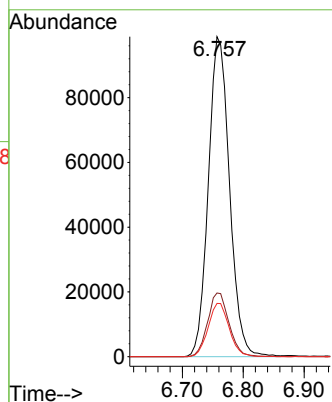
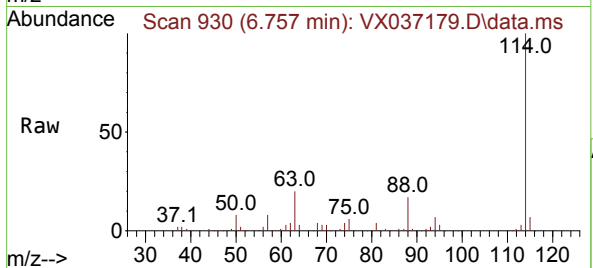
Tgt Ion:114 Resp: 238528

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.6 0.0 36.6



#35

Dibromofluoromethane

Concen: 52.227 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX037179.D

Acq: 23 Aug 2023 13:29

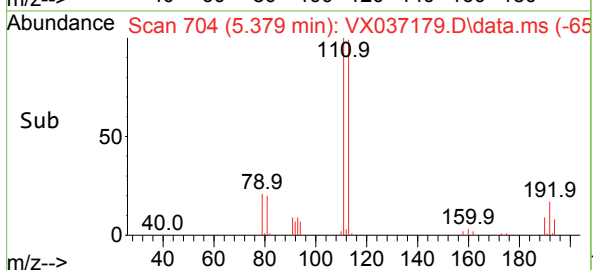
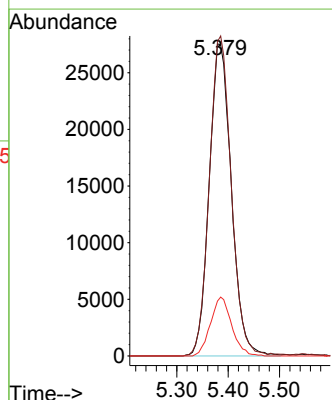
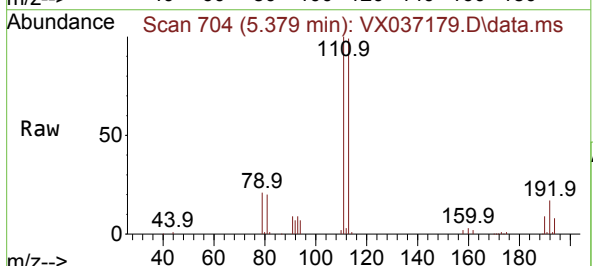
Tgt Ion:113 Resp: 82503

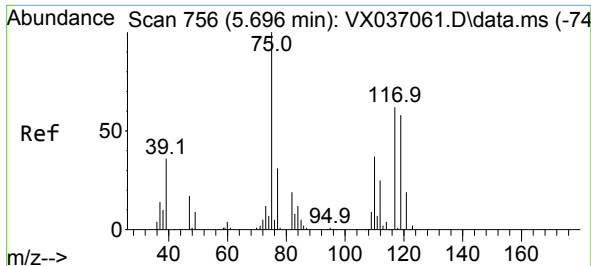
Ion Ratio Lower Upper

113 100

111 101.0 82.9 124.3

192 18.0 13.3 19.9

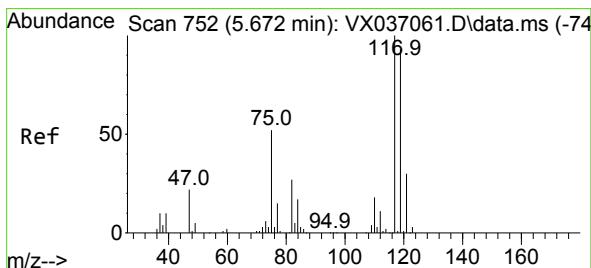
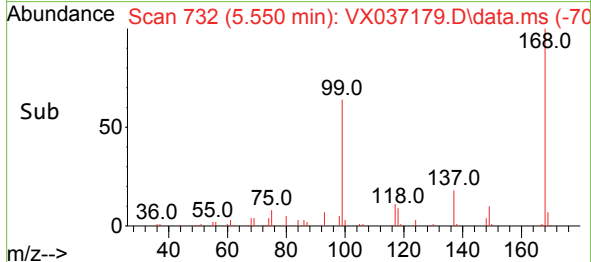
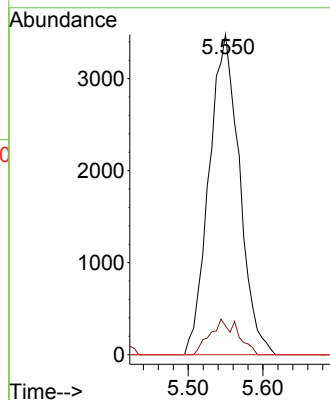
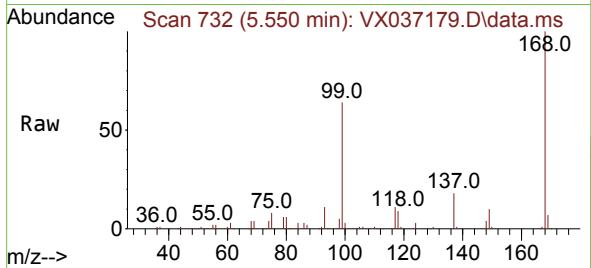




#36
1,1-Dichloropropene
Concen: 4.391 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

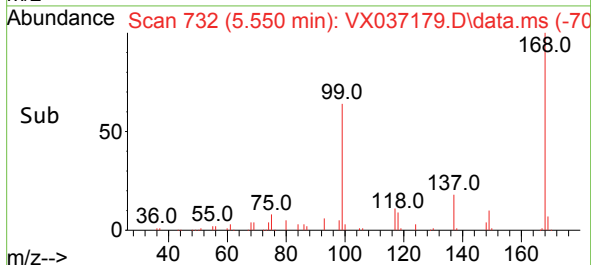
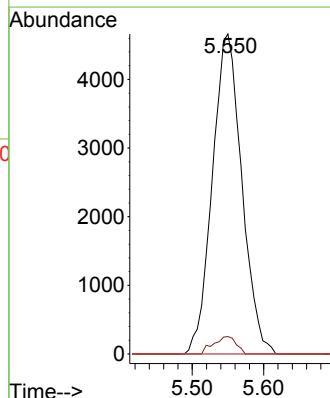
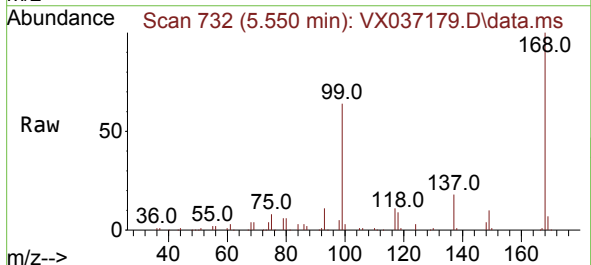
Instrument :
MSVOA_X
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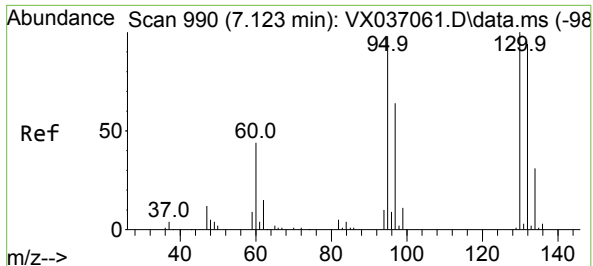
Tgt Ion: 75 Resp: 9856
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.471 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Tgt Ion: 117 Resp: 13338
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#

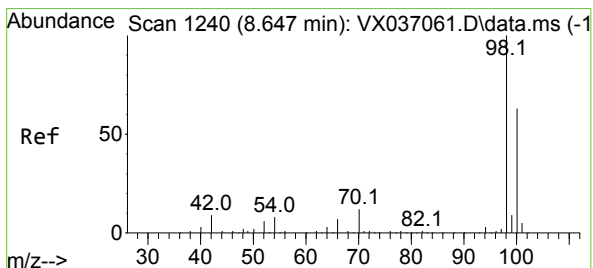
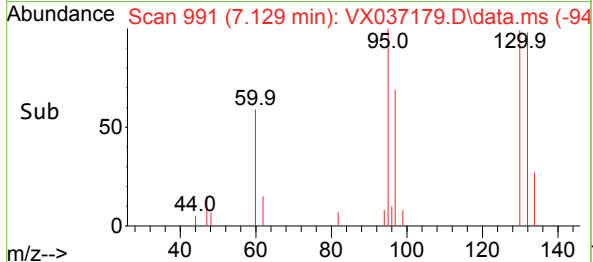
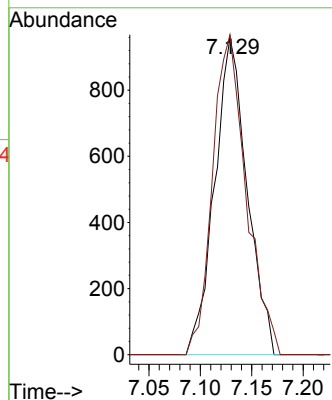
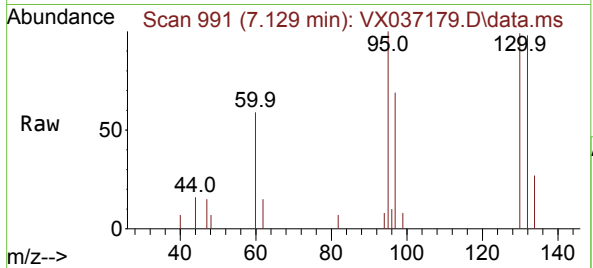




#44
Trichloroethene
Concen: 1.158 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

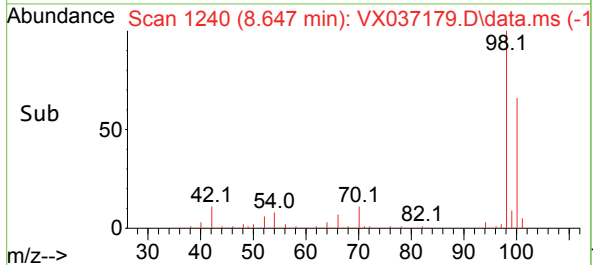
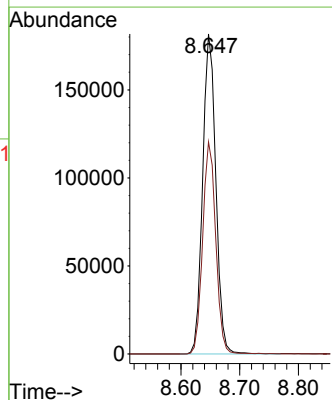
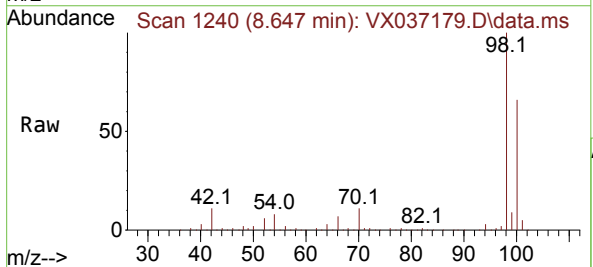
Instrument :
MSVOA_X
ClientSampleId :

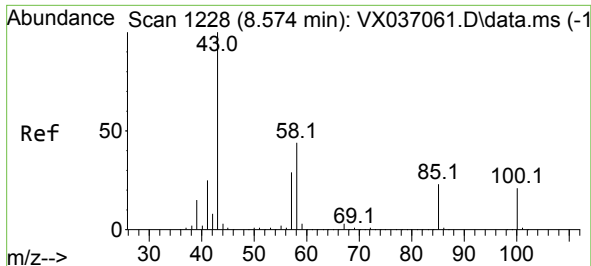
Tgt Ion:130 Resp: 2113
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.4



#50
Toluene-d8
Concen: 49.366 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Tgt Ion: 98 Resp: 282877
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

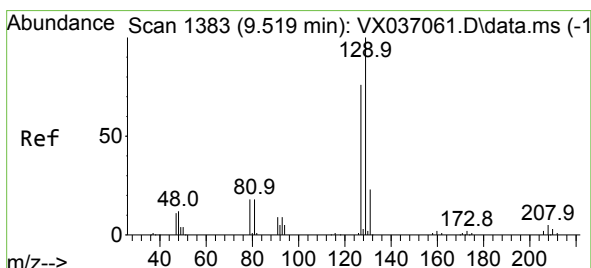
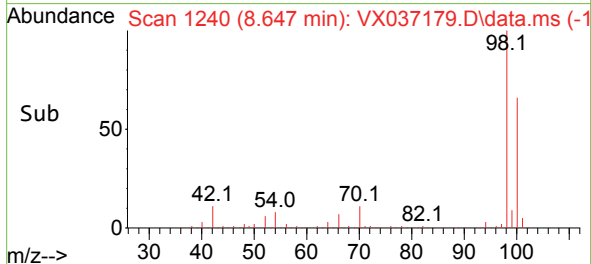
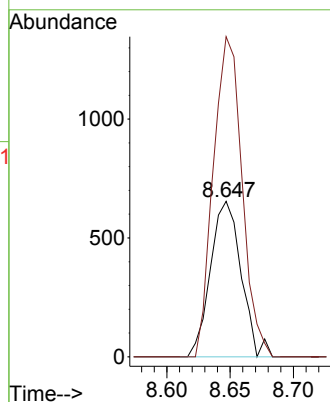
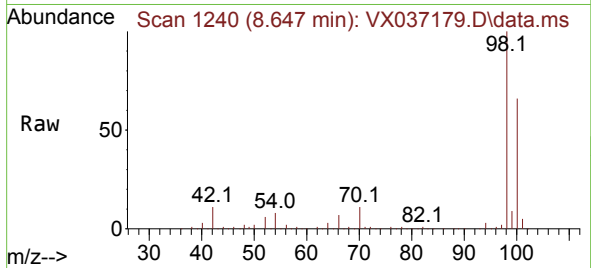




#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

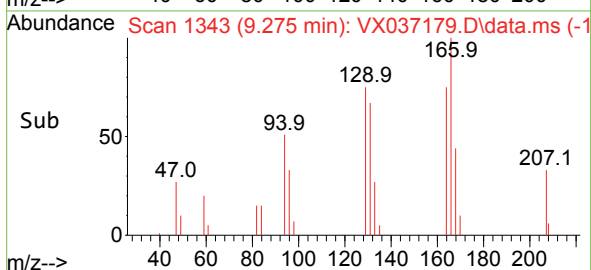
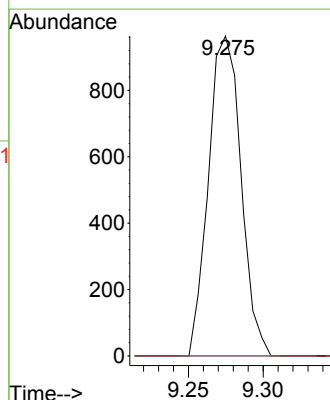
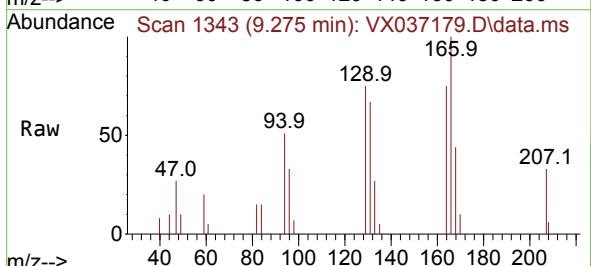
Instrument :
MSVOA_X
ClientSampleId :

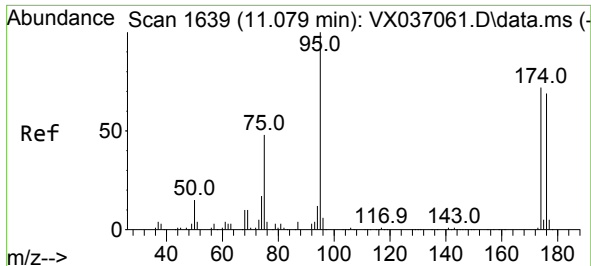
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 193.3 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.791 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

Tgt Ion: 129 Resp: 1459
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

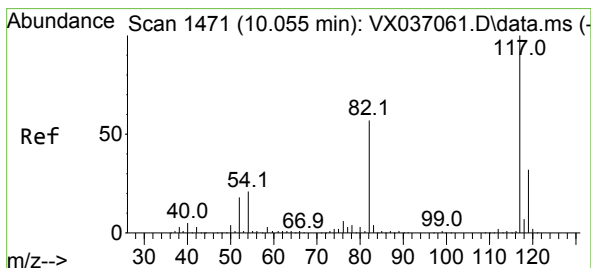
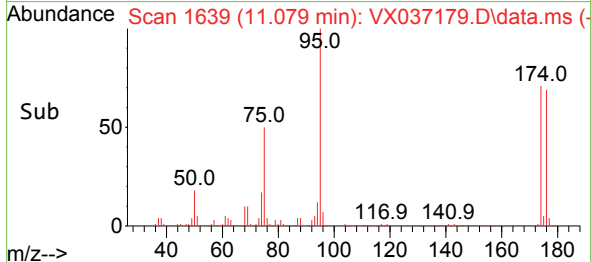
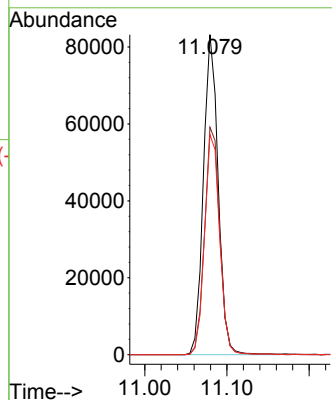
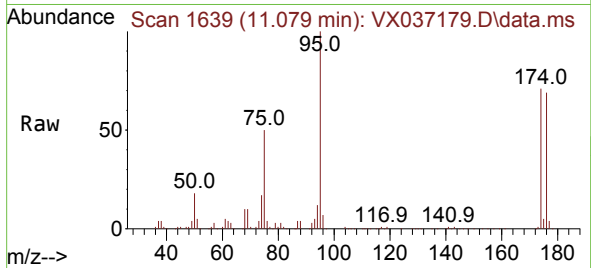




#62
4-Bromofluorobenzene
Concen: 46.029 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

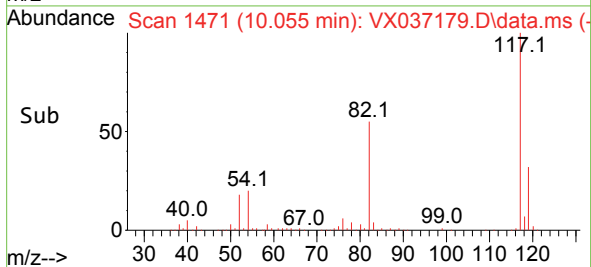
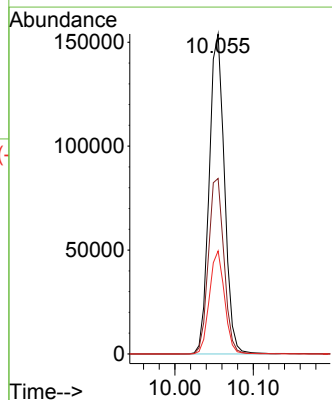
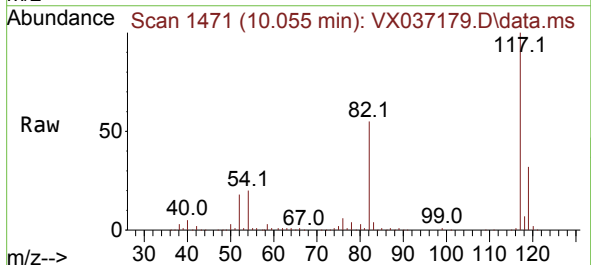
Instrument :
MSVOA_X
ClientSampleId :

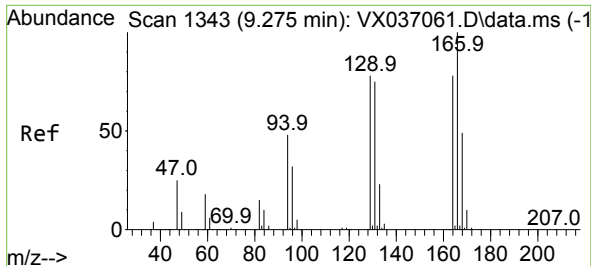
Tgt Ion: 95 Resp: 103653
Ion Ratio Lower Upper
95 100
174 72.9 0.0 135.6
176 70.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

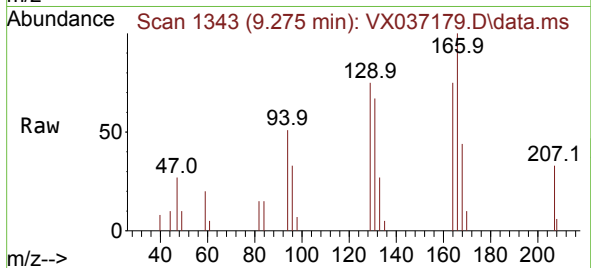
Tgt Ion: 117 Resp: 208369
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.2 25.5 38.3



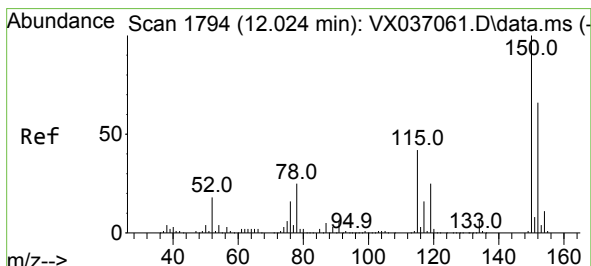
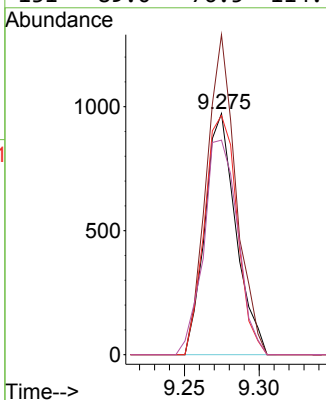
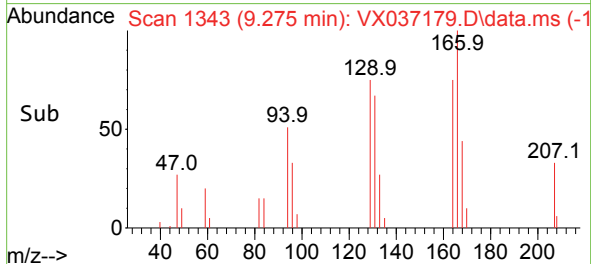


#64
Tetrachloroethene
Concen: 0.920 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29

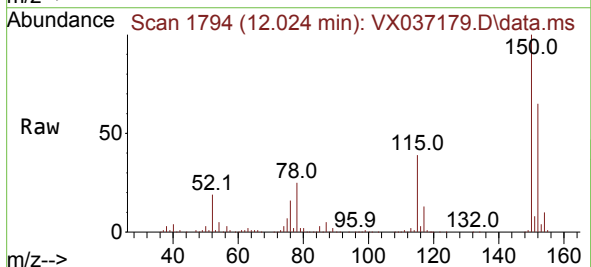
Instrument :
MSVOA_X
ClientSampleId :



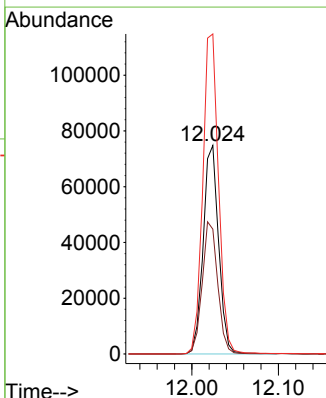
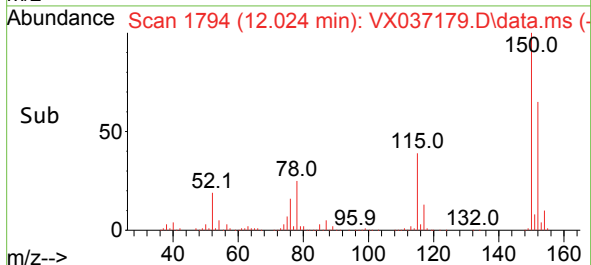
Tgt Ion:164 Resp: 1399
Ion Ratio Lower Upper
164 100
166 132.7 102.7 154.1
129 99.2 80.4 120.6
131 89.0 76.5 114.7

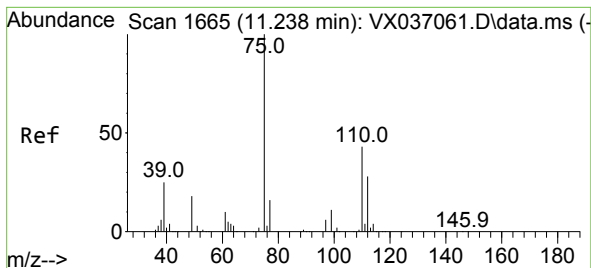


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037179.D
Acq: 23 Aug 2023 13:29



Tgt Ion:152 Resp: 92706
Ion Ratio Lower Upper
152 100
115 63.6 43.3 129.9
150 157.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.512 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037179.D

Acq: 23 Aug 2023 13:29

Instrument :

MSVOA_X

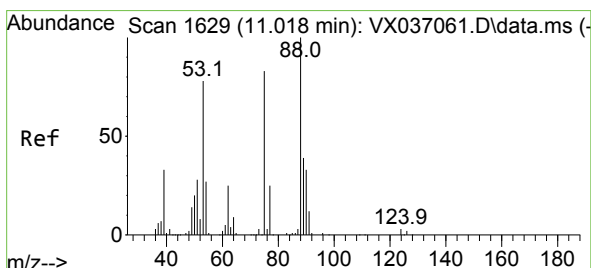
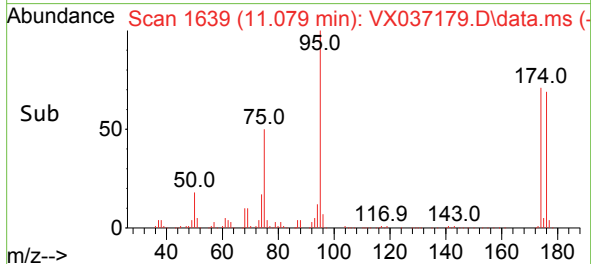
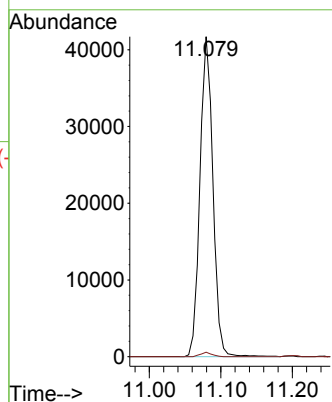
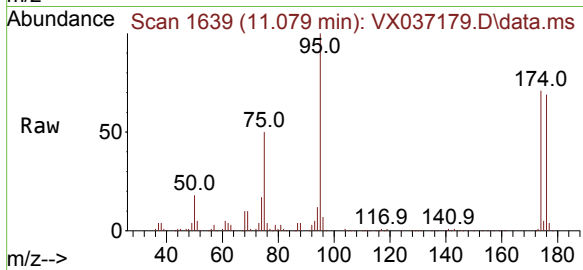
ClientSampleId :

Tgt Ion: 75 Resp: 52344

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.050 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037179.D

Acq: 23 Aug 2023 13:29

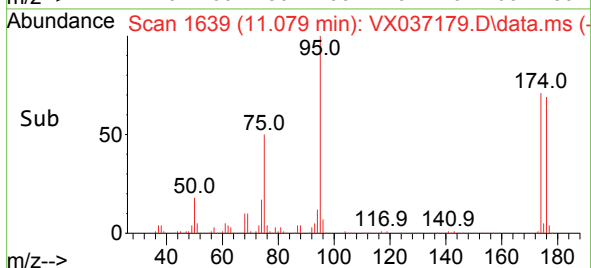
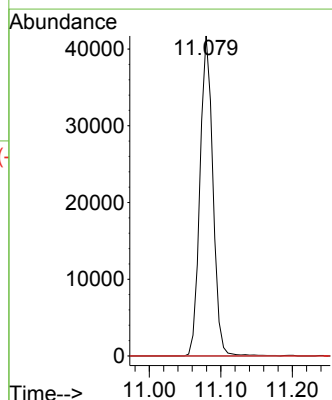
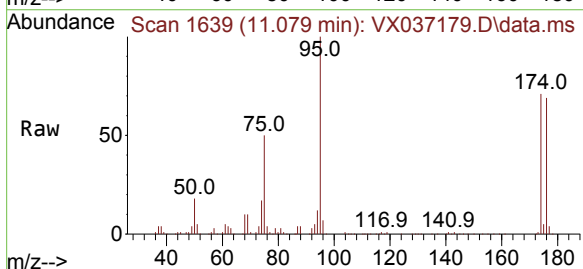
Tgt Ion: 75 Resp: 52344

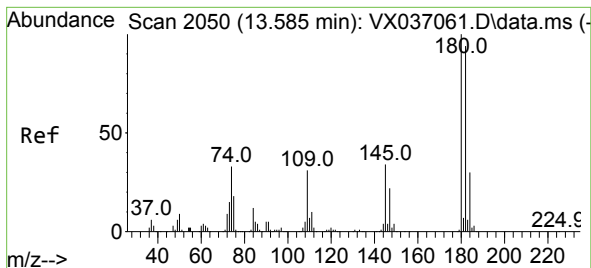
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.220 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037179.D

Acq: 23 Aug 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

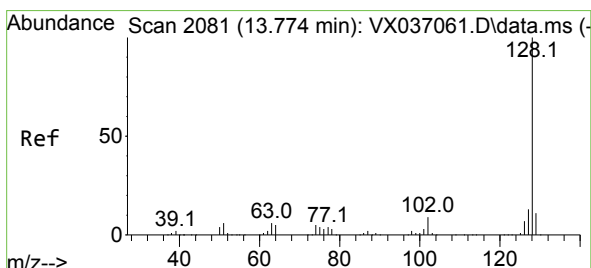
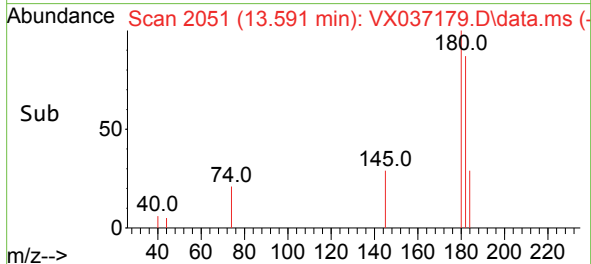
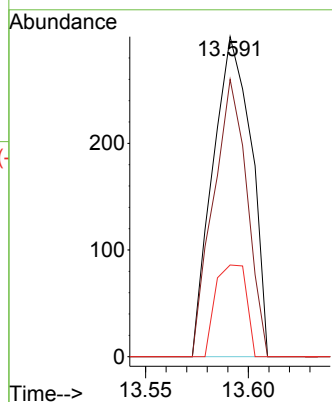
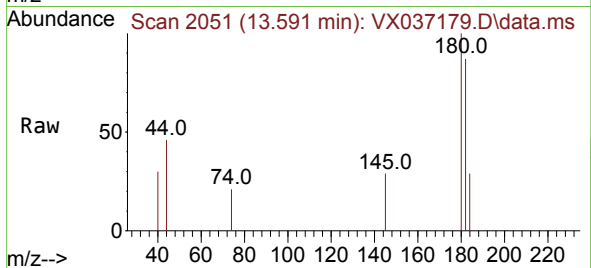
Tgt Ion:180 Resp: 389

Ion Ratio Lower Upper

180 100

182 76.1 48.3 144.8

145 23.1 18.0 54.0



#95

Naphthalene

Concen: 0.241 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX037179.D

Acq: 23 Aug 2023 13:29

Tgt Ion:128 Resp: 1867

Ion Ratio Lower Upper

128 100

127 9.1 10.3 15.5#

129 7.7 8.8 13.2#

