

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037023.D
 Acq On : 16 Aug 2023 17:24
 Operator : JC/MD
 Sample : 04024-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW178I-20230815

Quant Time: Aug 17 04:17:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

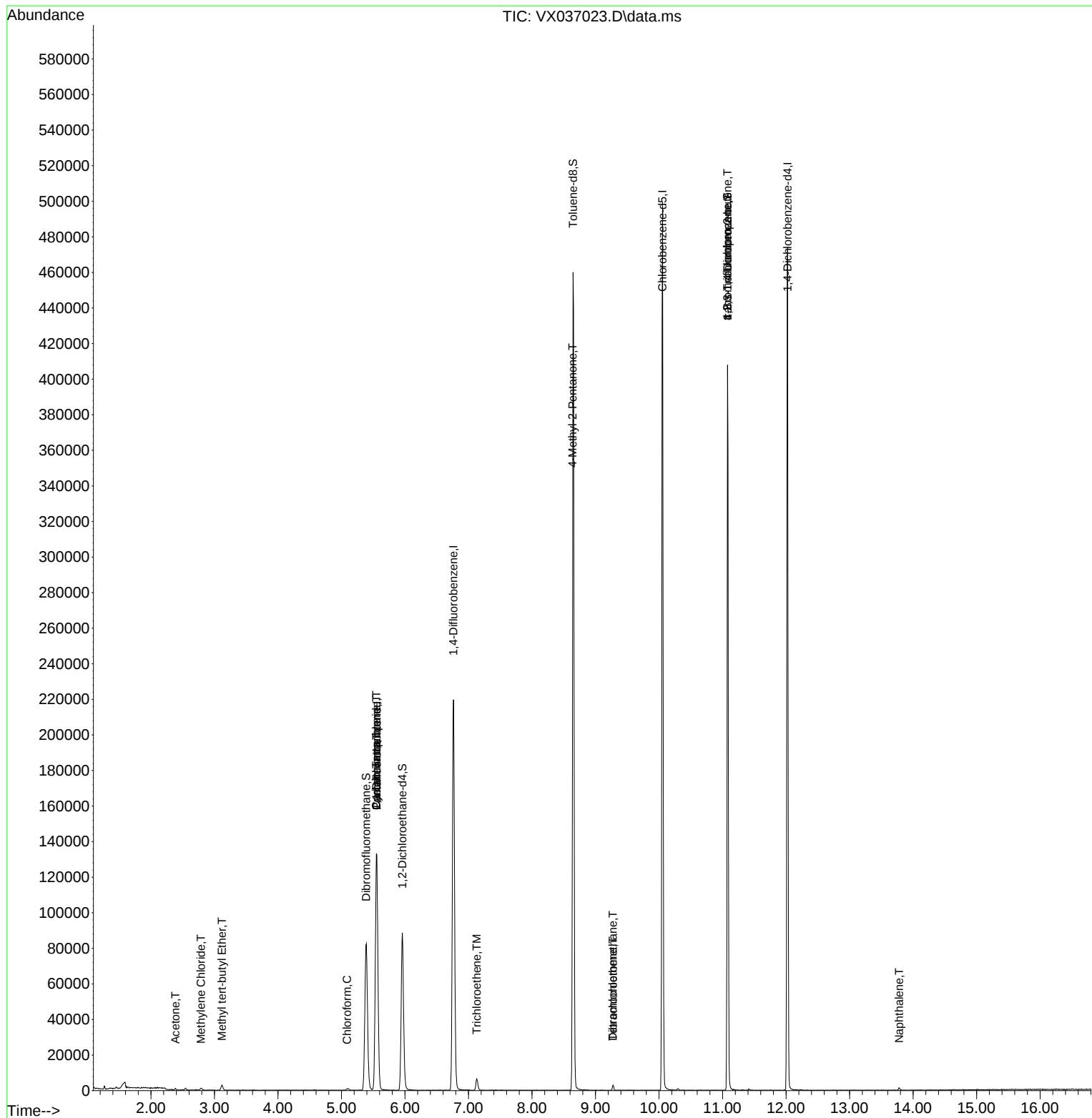
Internal Standards						
1) Pentafluorobenzene	5.556	168	122488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86938	47.969	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.940%
35) Dibromofluoromethane	5.385	113	72462	46.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.560%
50) Toluene-d8	8.647	98	276637	49.820	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.640%
62) 4-Bromofluorobenzene	11.079	95	110845	52.911	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.820%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	742	0.987	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	3192	0.619	ug/l #	90
20) Methylene Chloride	2.788	84	708	0.423	ug/l #	73
30) Chloroform	5.086	83	1226	0.417	ug/l	95
31) Cyclohexane	5.550	56	2710	1.080	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9907	4.245	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13224	5.330	ug/l #	15
44) Trichloroethene	7.129	130	2756	1.553	ug/l	99
51) 4-Methyl-2-Pentanone	8.641	43	1123	0.446	ug/l #	1
60) Dibromochloromethane	9.275	129	527	0.268	ug/l #	11
64) Tetrachloroethene	9.275	164	577	0.345	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	57751	24.406	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57751	55.318	ug/l #	5
95) Naphthalene	13.780	128	1514	0.208	ug/l #	89

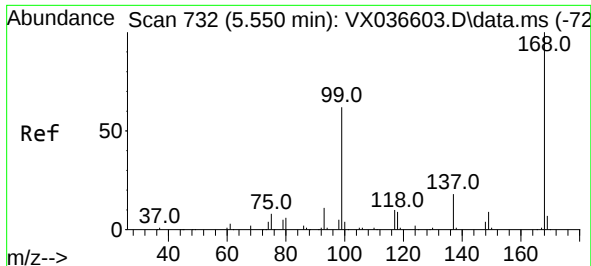
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
Data File : VX037023.D
Acq On : 16 Aug 2023 17:24
Operator : JC/MD
Sample : 04024-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

Quant Time: Aug 17 04:17:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

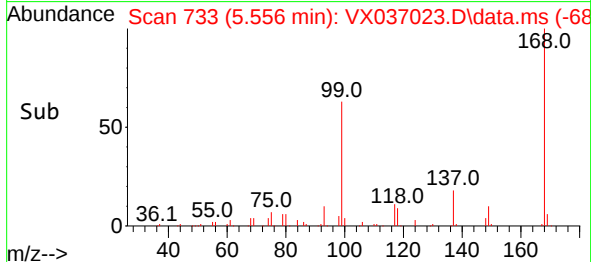
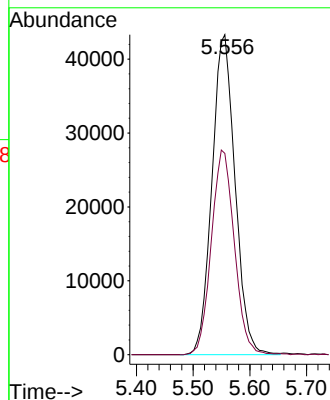
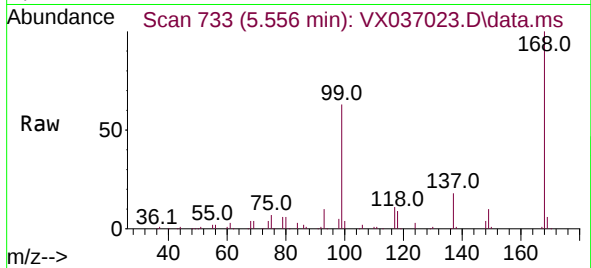




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

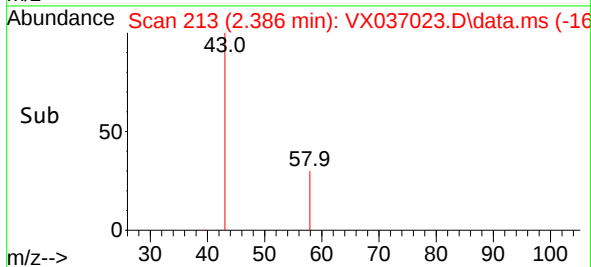
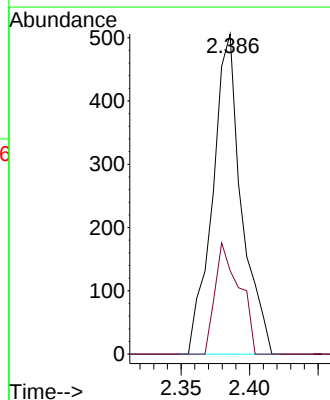
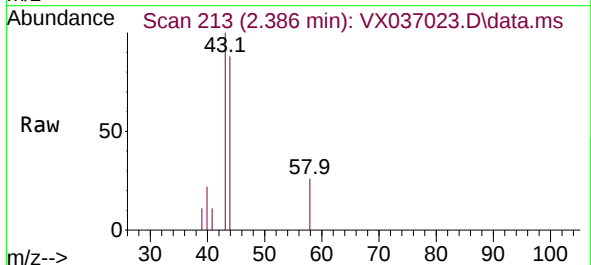
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

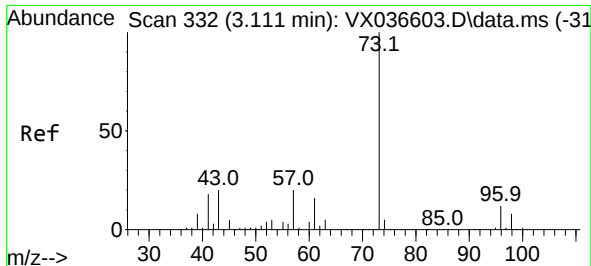
Tgt Ion:168 Resp: 122488
Ion Ratio Lower Upper
168 100
99 62.9 56.6 85.0



#16
Acetone
Concen: 0.987 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
58 26.1 21.9 32.9

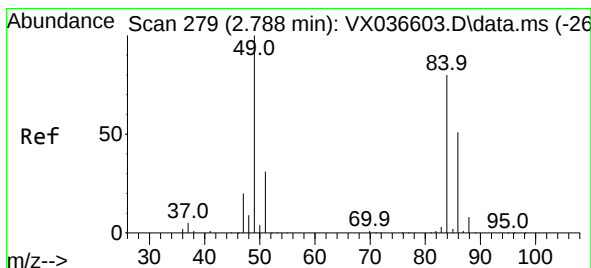
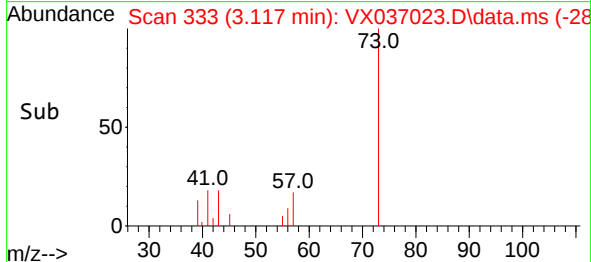
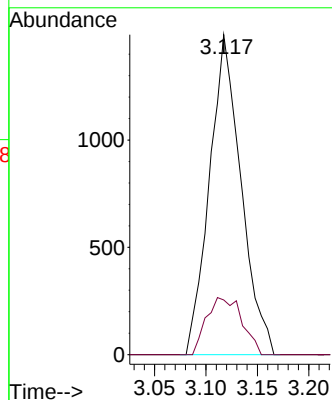
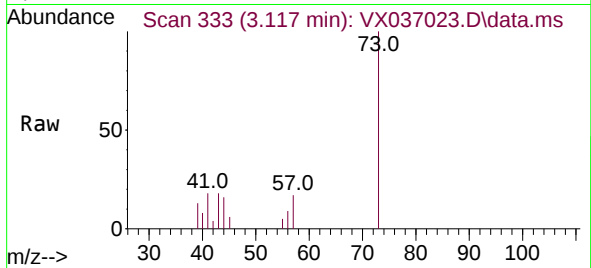




#19
Methyl tert-butyl Ether
Concen: 0.619 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

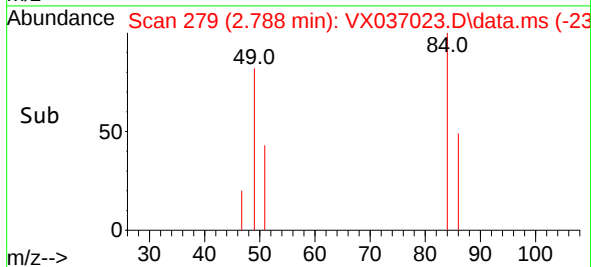
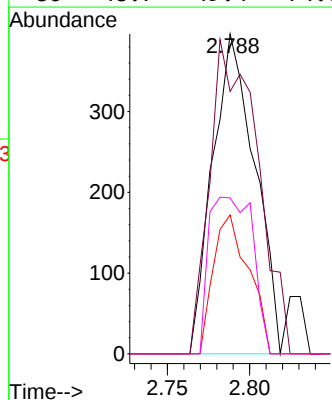
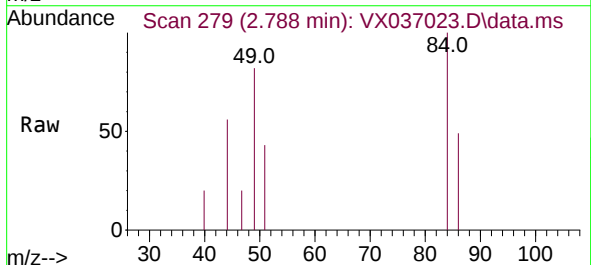
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

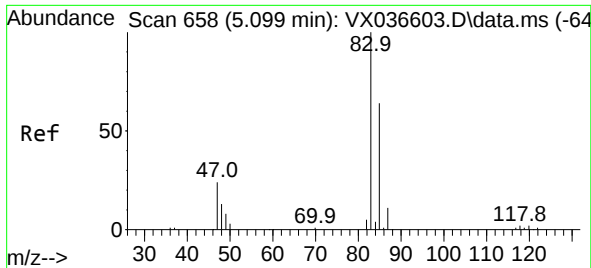
Tgt Ion: 73 Resp: 3192
Ion Ratio Lower Upper
73 100
57 17.1 17.3 25.9#



#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 82.1 103.6 155.4#
51 43.4 33.8 50.6
86 48.7 49.4 74.0#

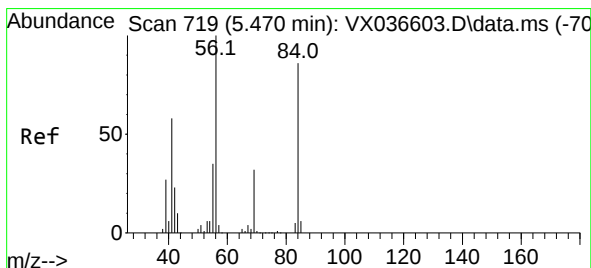
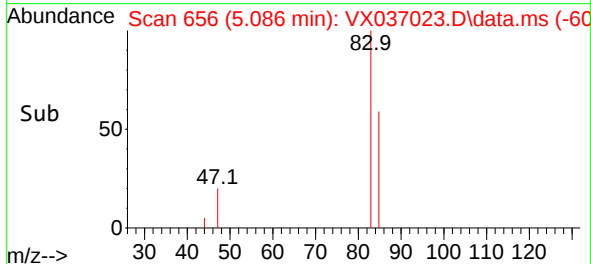
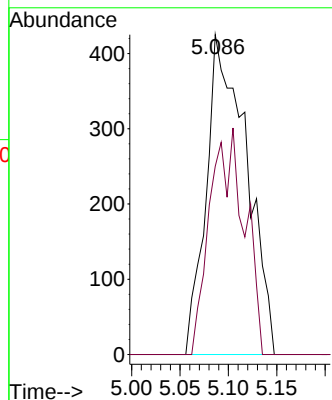
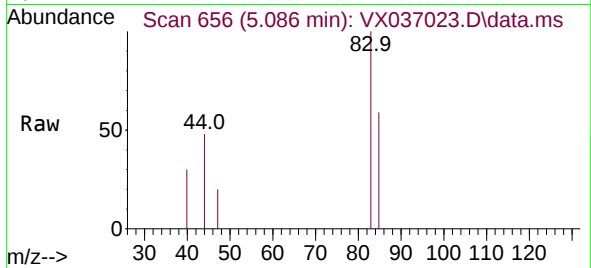




#30
Chloroform
Concen: 0.417 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

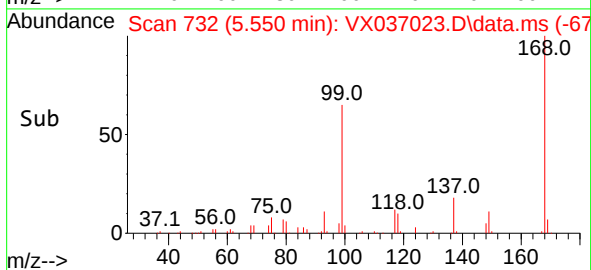
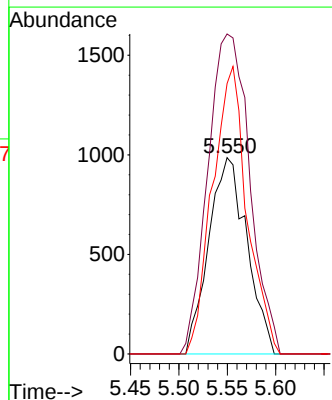
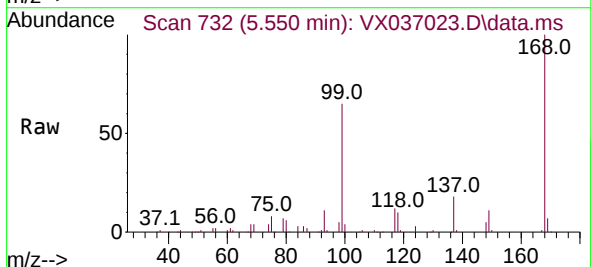
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

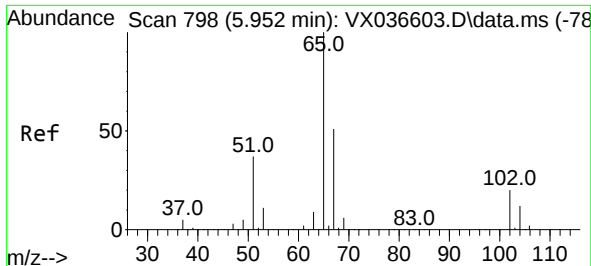
Tgt Ion: 83 Resp: 1226
Ion Ratio Lower Upper
83 100
85 58.8 50.3 75.5



#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion: 56 Resp: 2710
Ion Ratio Lower Upper
56 100
69 163.0 23.4 35.2#
84 137.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.969 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX037023.D

Acq: 16 Aug 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

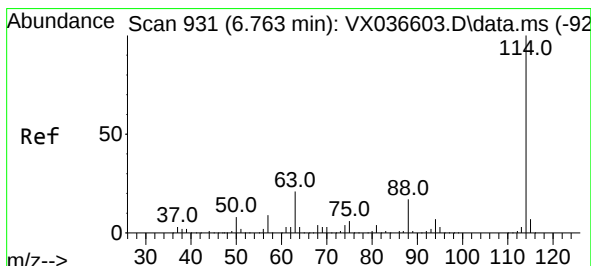
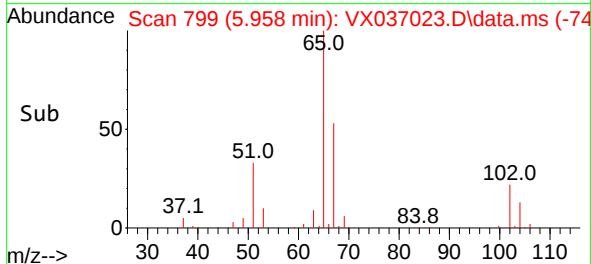
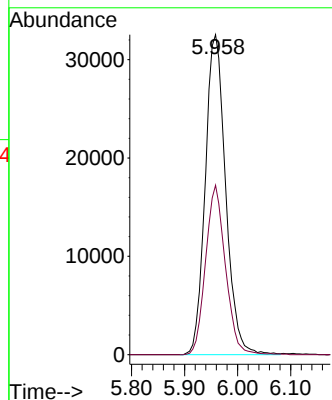
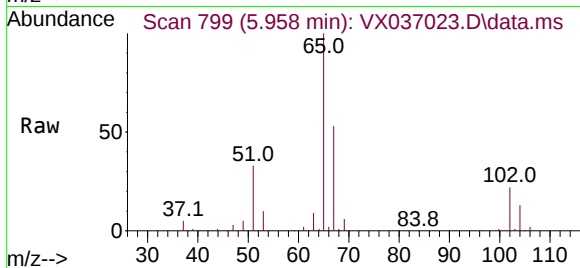
MW178I-20230815

Tgt Ion: 65 Resp: 86938

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037023.D

Acq: 16 Aug 2023 17:24

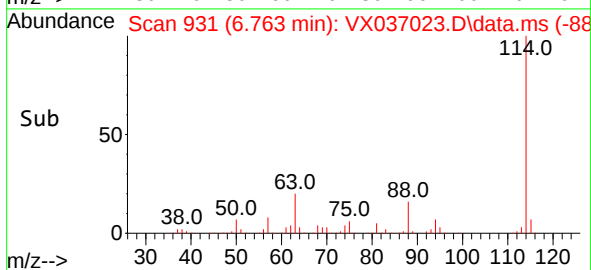
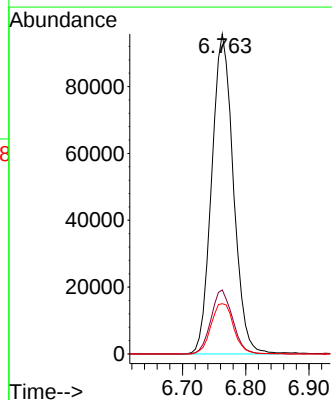
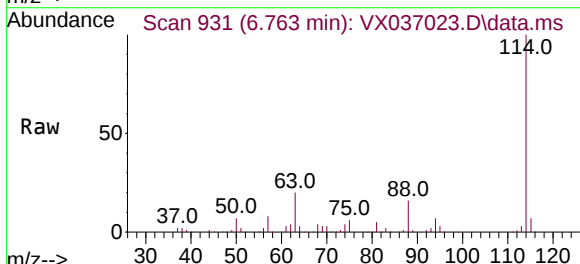
Tgt Ion: 114 Resp: 227805

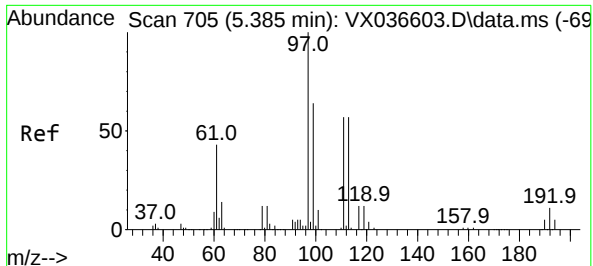
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 15.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.278 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037023.D

Acq: 16 Aug 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

MW178I-20230815

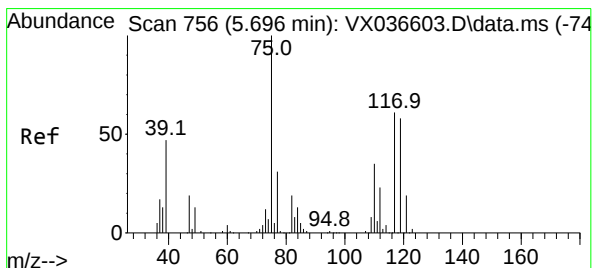
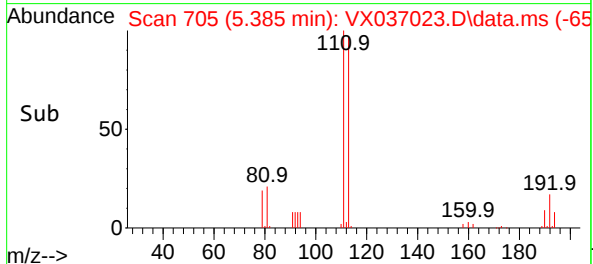
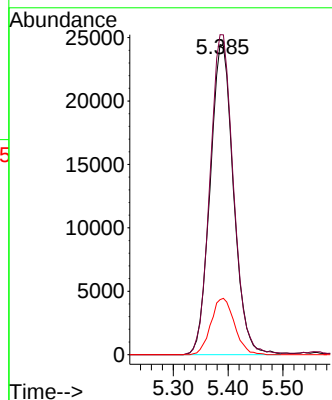
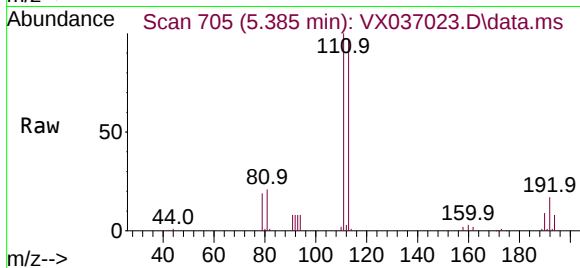
Tgt Ion:113 Resp: 72462

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

192 18.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.245 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX037023.D

Acq: 16 Aug 2023 17:24

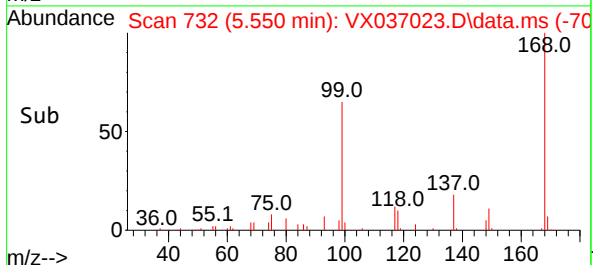
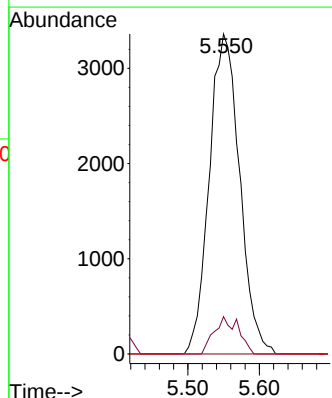
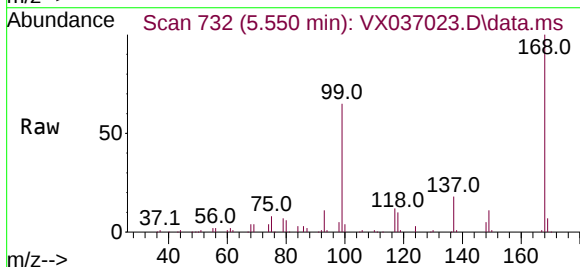
Tgt Ion: 75 Resp: 9907

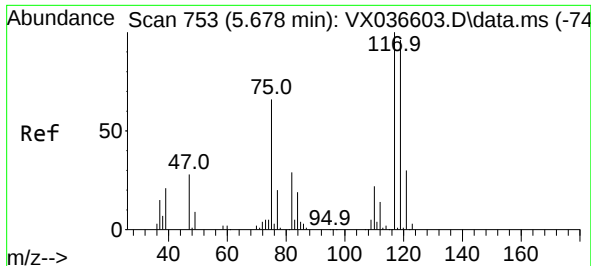
Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.7 37.1#

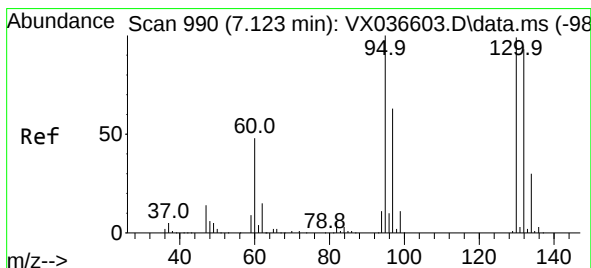
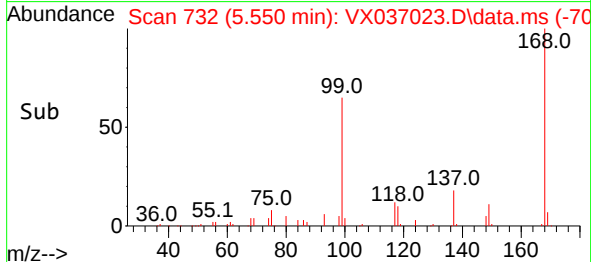
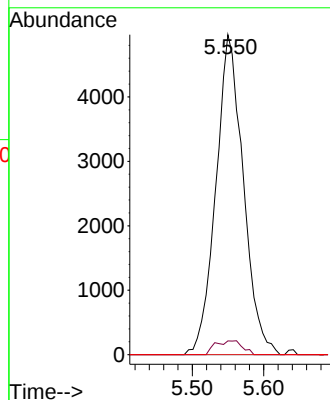
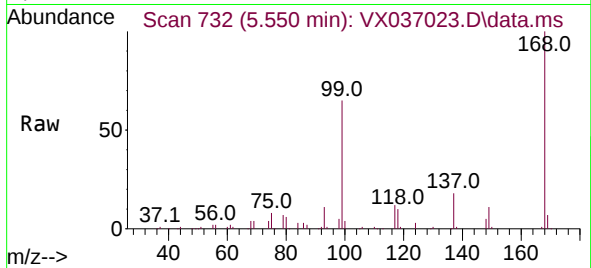




#38
Carbon Tetrachloride
Concen: 5.330 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

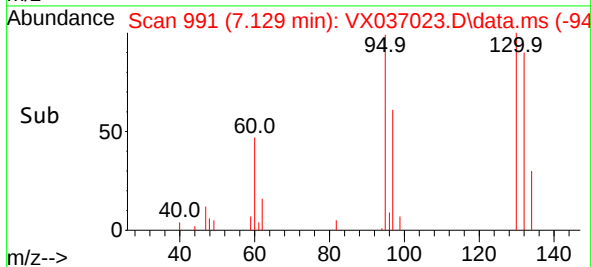
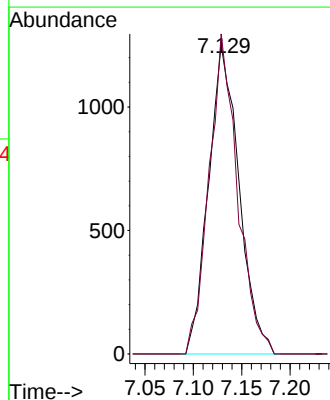
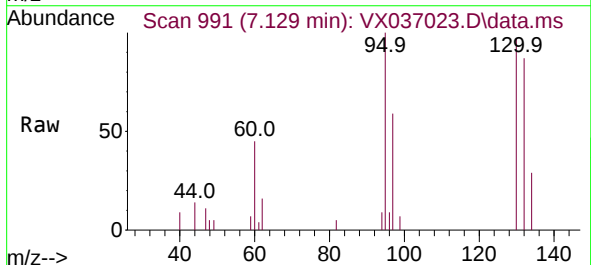
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

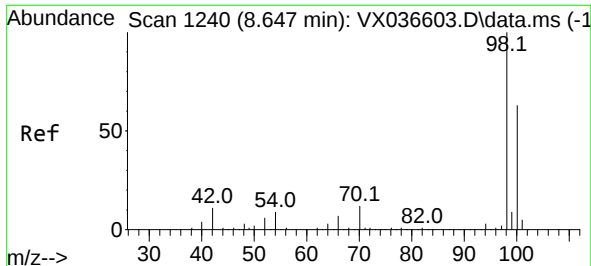
Tgt Ion:117 Resp: 13224
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 1.553 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion:130 Resp: 2756
Ion Ratio Lower Upper
130 100
95 103.4 0.0 204.4

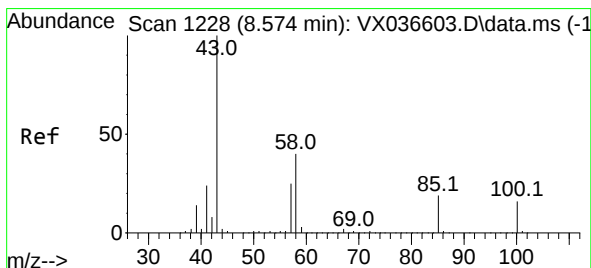
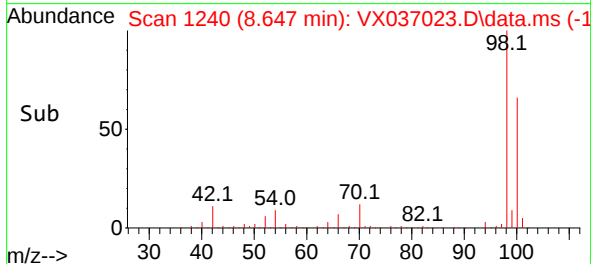
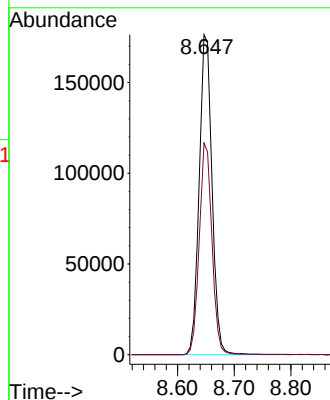
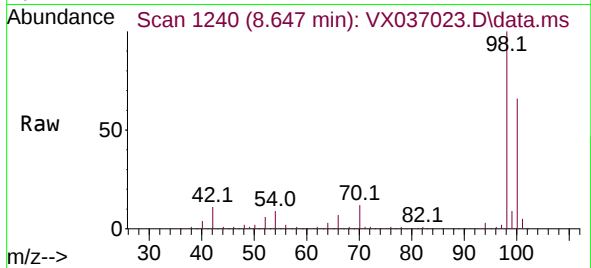




#50
Toluene-d8
Concen: 49.820 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

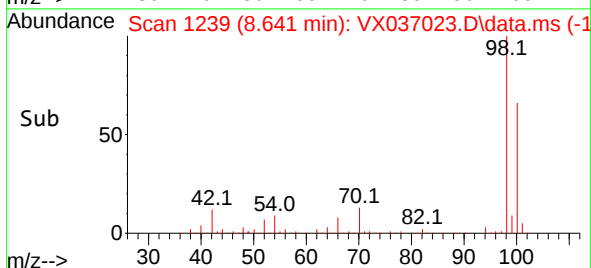
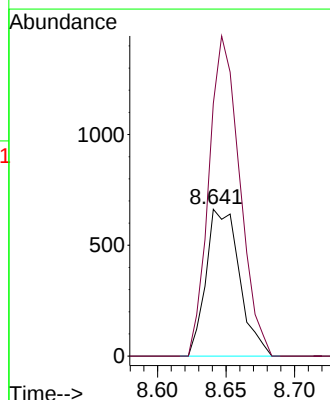
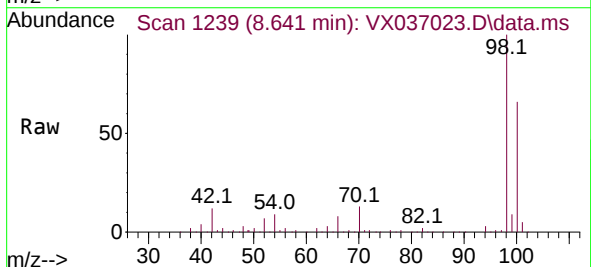
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

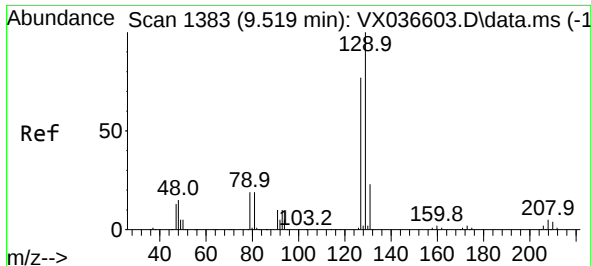
Tgt Ion: 98 Resp: 276637
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
58 201.6 30.4 45.6#

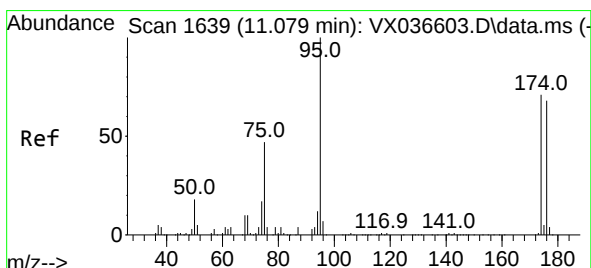
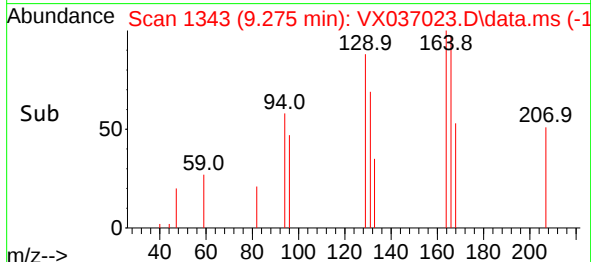
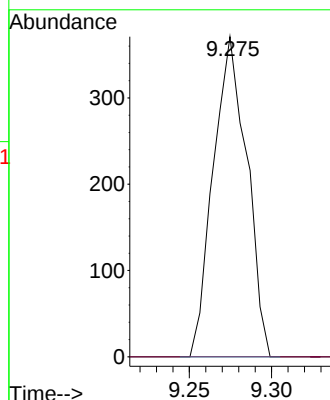
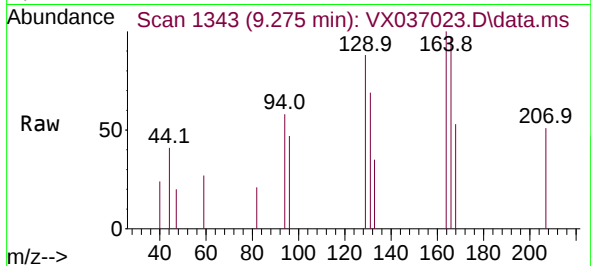




#60
Dibromochloromethane
Concen: 0.268 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

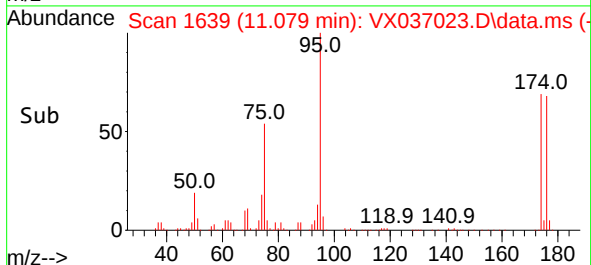
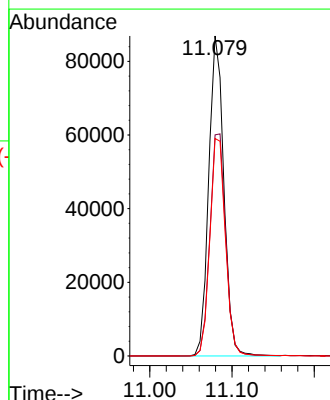
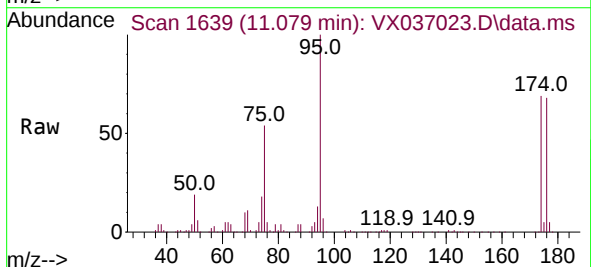
Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

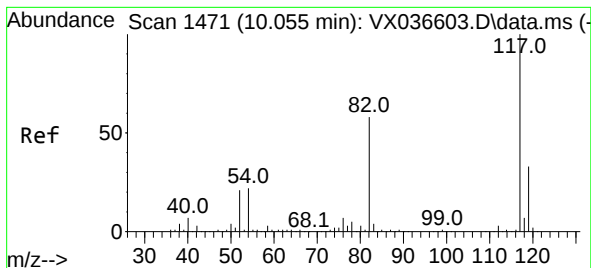
Tgt Ion:129 Resp: 527
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 52.911 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion: 95 Resp: 110845
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 70.3 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: VX037023.D

Acq: 16 Aug 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

MW178I-20230815

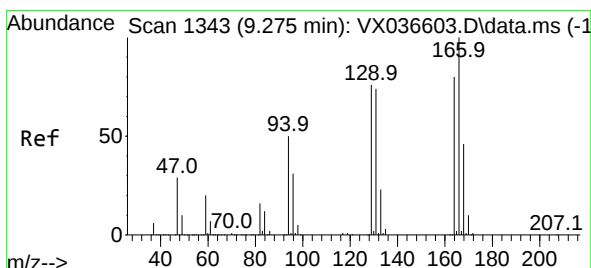
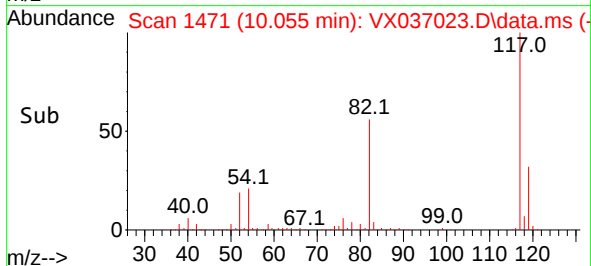
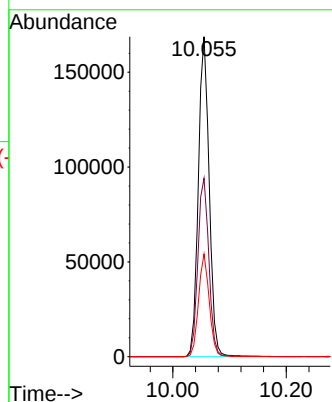
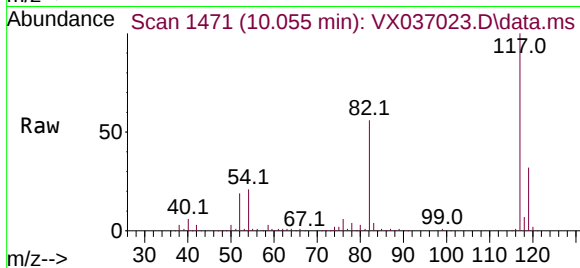
Tgt Ion:117 Resp: 224215

Ion Ratio Lower Upper

117 100

82 55.7 46.2 69.4

119 32.1 25.5 38.3



#64

Tetrachloroethene

Concen: 0.345 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX037023.D

Acq: 16 Aug 2023 17:24

Tgt Ion:164 Resp: 577

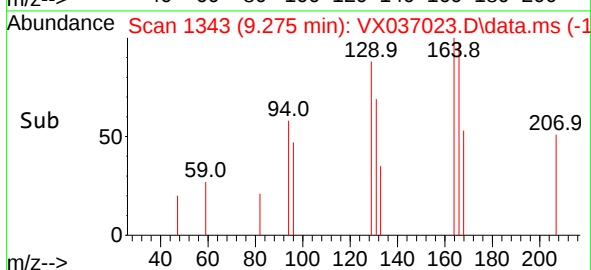
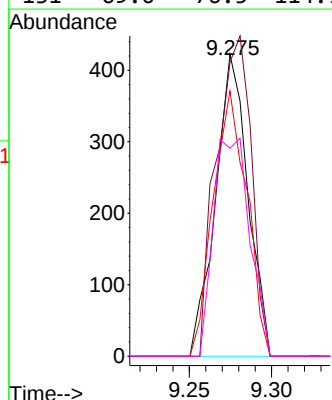
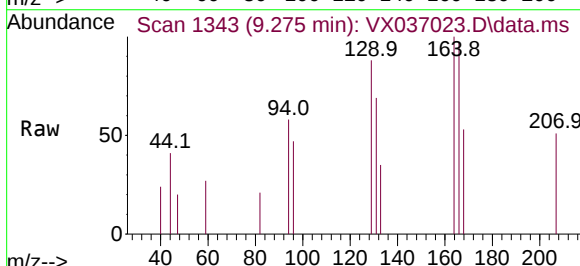
Ion Ratio Lower Upper

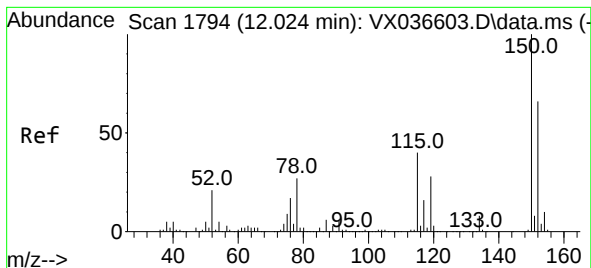
164 100

166 97.4 102.7 154.1#

129 87.9 80.4 120.6

131 69.0 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: VX037023.D

Acq: 16 Aug 2023 17:24

Instrument :

MSVOA_X

ClientSampleId :

MW178I-20230815

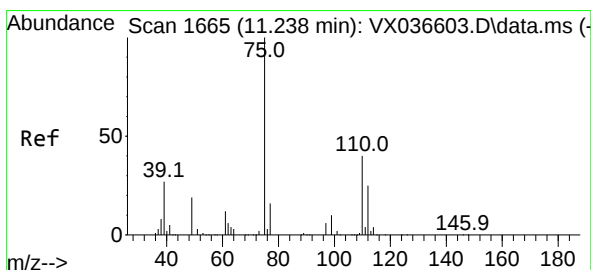
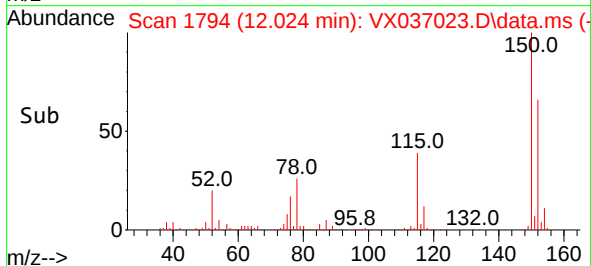
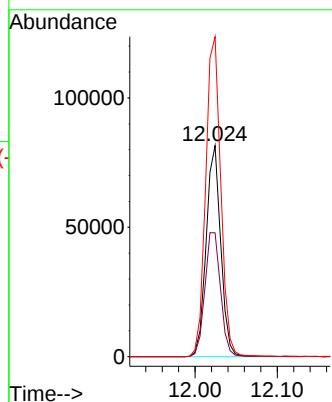
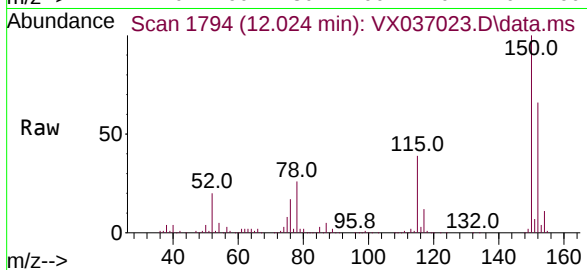
Tgt Ion:152 Resp: 100602

Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 156.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037023.D

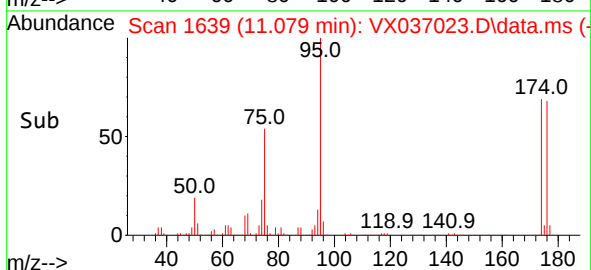
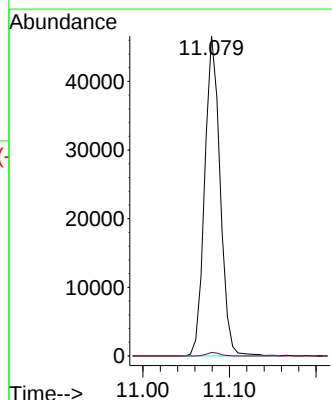
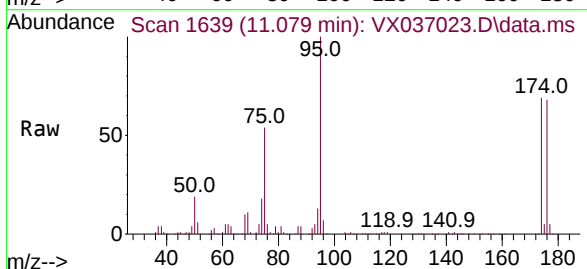
Acq: 16 Aug 2023 17:24

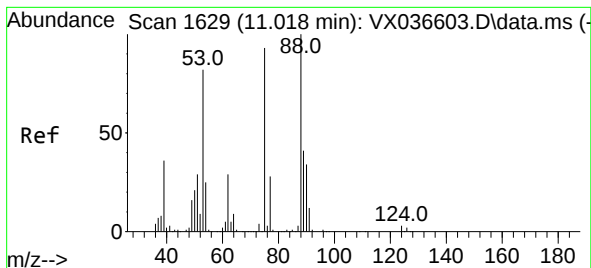
Tgt Ion: 75 Resp: 57751

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#

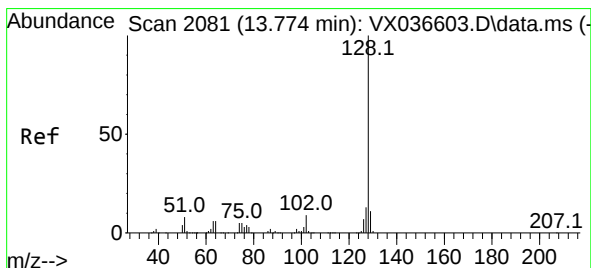
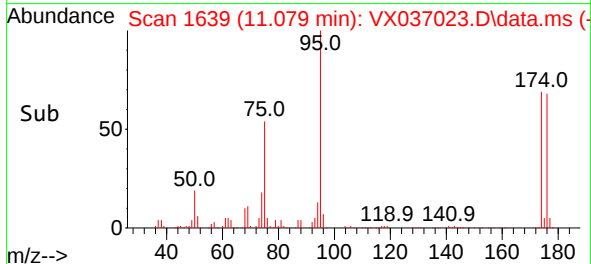
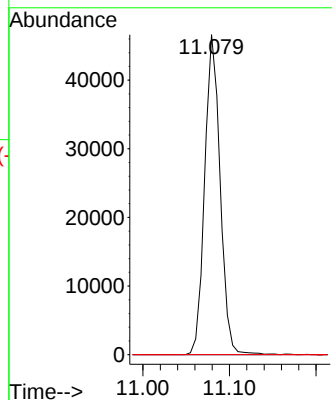
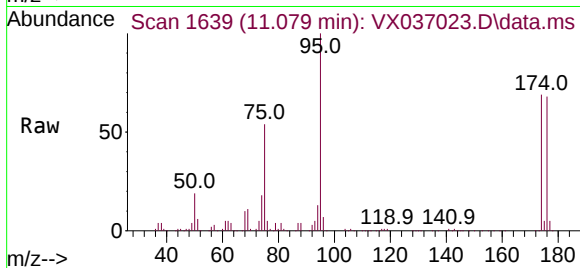




#81
trans-1,4-Dichloro-2-butene
Concen: 55.318 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20230815

Tgt Ion: 75 Resp: 57751
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.208 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037023.D
Acq: 16 Aug 2023 17:24

Tgt Ion: 128 Resp: 1514
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 4.7 8.8 13.2#

