

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037120.D
 Acq On : 19 Aug 2023 09:33
 Operator : JC/MD
 Sample : 04025-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT158S1-20230815

Quant Time: Aug 21 01:45:58 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)

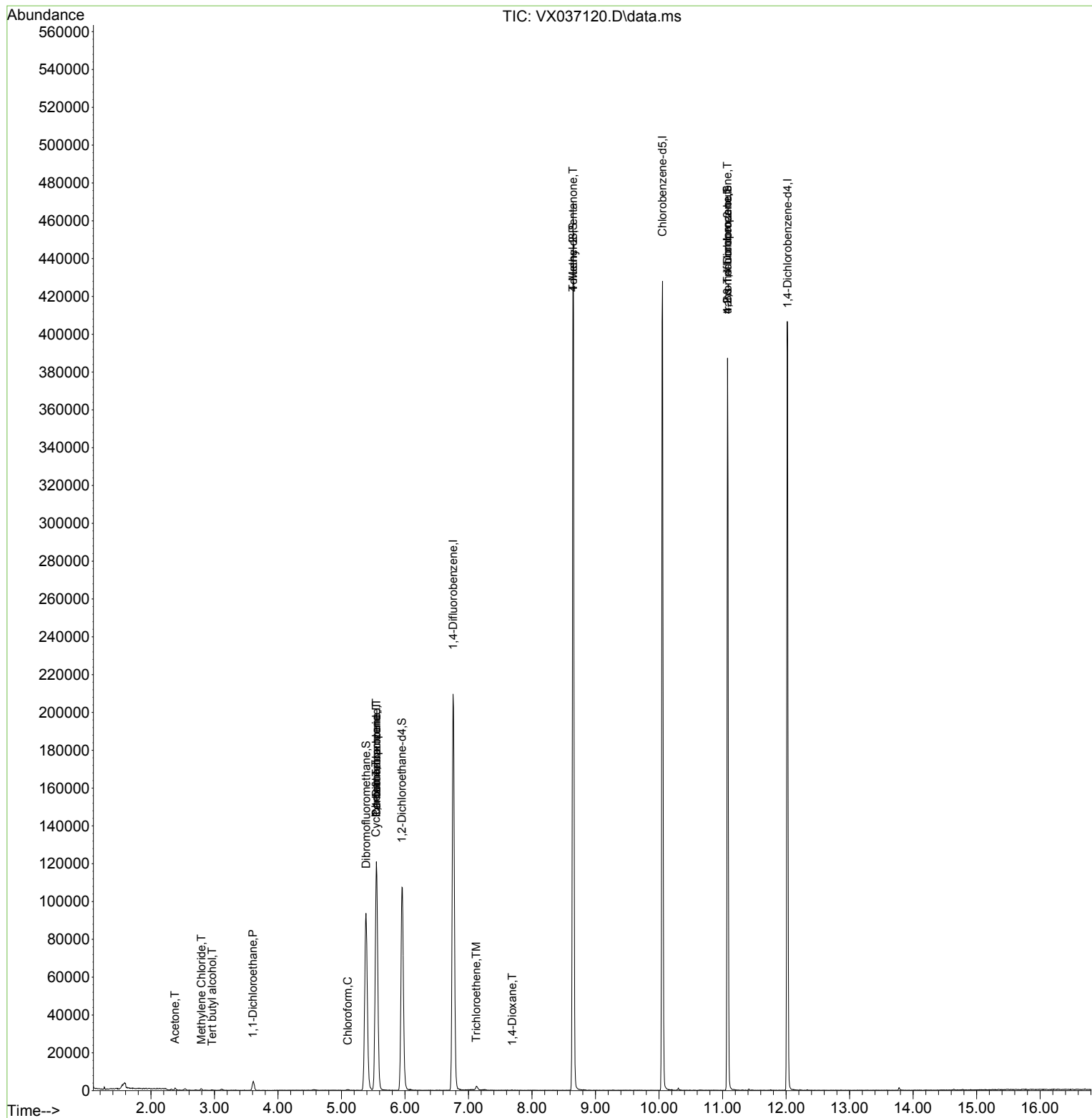
Internal Standards						
1) Pentafluorobenzene	5.550	168	110105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218666	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110423	69.564	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 139.120%#		
35) Dibromofluoromethane	5.385	113	81774	56.467	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 112.940%		
50) Toluene-d8	8.647	98	279362	53.181	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 106.360%		
62) 4-Bromofluorobenzene	11.079	95	104150	50.451	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.900%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	235	0.631	ug/l #	78
16) Acetone	2.380	43	1020	1.643	ug/l #	84
20) Methylene Chloride	2.794	84	506	0.364	ug/l #	62
24) 1,1-Dichloroethane	3.605	63	5429	2.405	ug/l	99
30) Chloroform	5.099	83	536	0.212	ug/l #	63
31) Cyclohexane	5.544	56	2427	1.360	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8880	4.316	ug/l #	51
38) Carbon Tetrachloride	5.550	117	12106	5.417	ug/l #	16
44) Trichloroethene	7.123	130	787	0.470	ug/l	91
49) 1,4-Dioxane	7.690	88	96	2.191	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	1136	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	54539	30.210	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54539	84.377	ug/l #	5

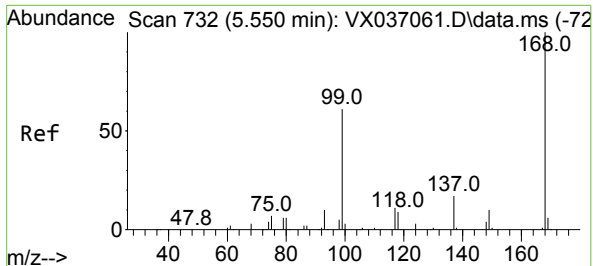
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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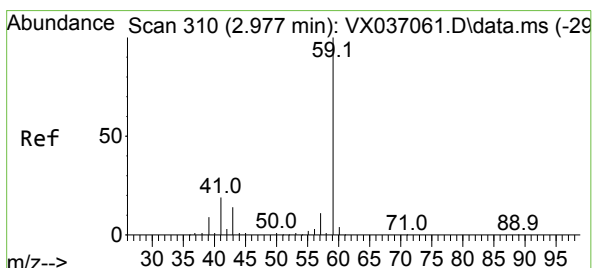
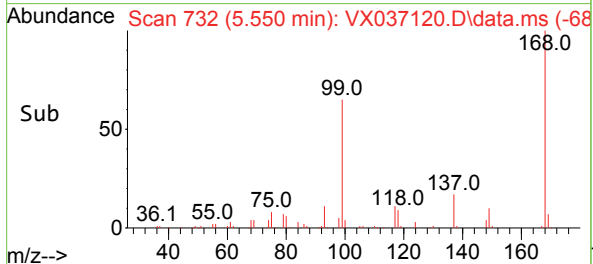
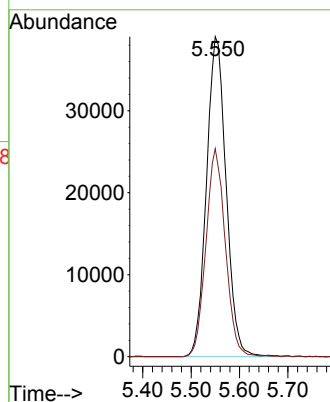
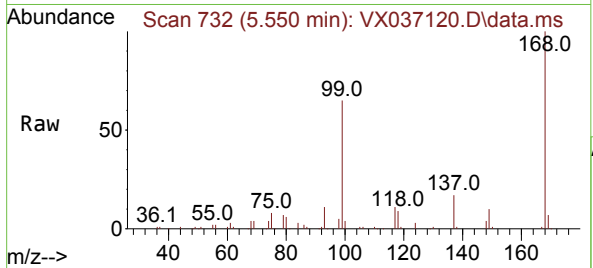




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

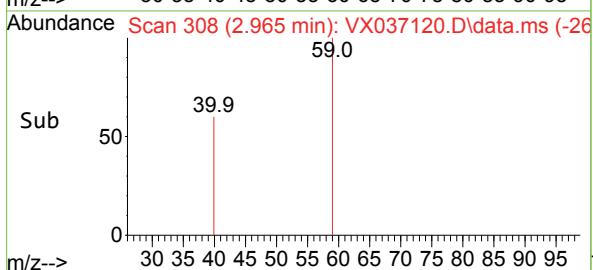
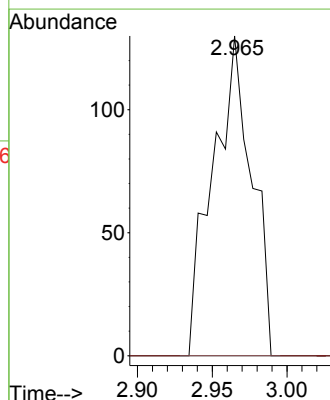
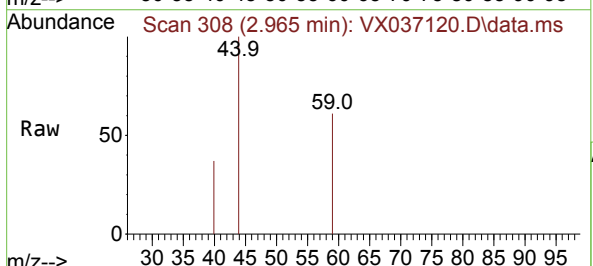
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815

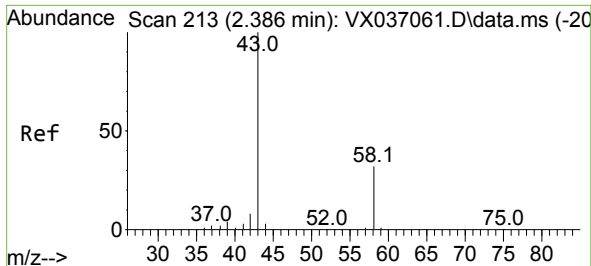
Tgt Ion:168 Resp: 110105
Ion Ratio Lower Upper
168 100
99 65.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.631 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion: 59 Resp: 235
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 1.643 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037120.D

Acq: 19 Aug 2023 09:33

Instrument :

MSVOA_X

ClientSampleId :

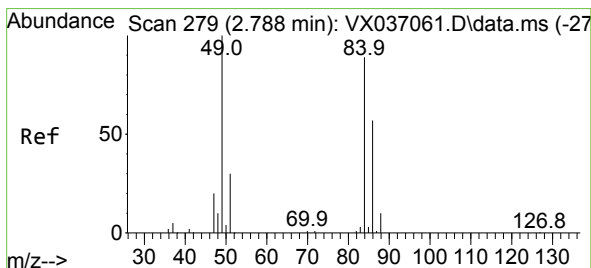
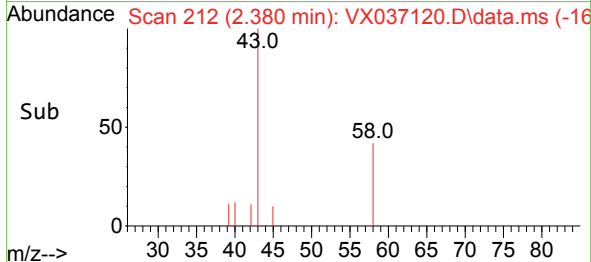
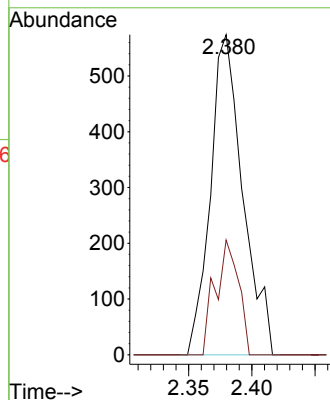
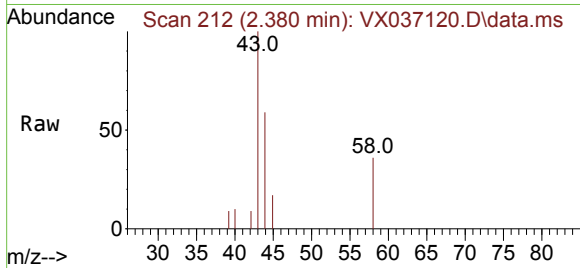
TT158S1-20230815

Tgt Ion: 43 Resp: 1020

Ion Ratio Lower Upper

43 100

58 35.9 21.9 32.9#



#20

Methylene Chloride

Concen: 0.364 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037120.D

Acq: 19 Aug 2023 09:33

Tgt Ion: 84 Resp: 506

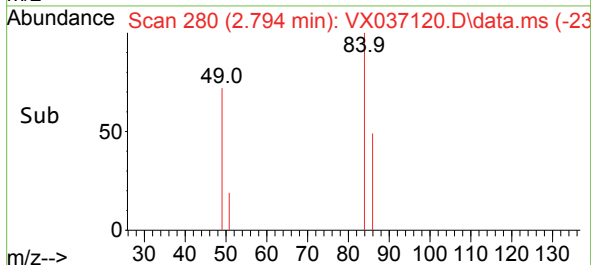
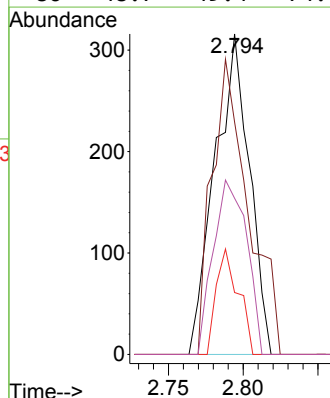
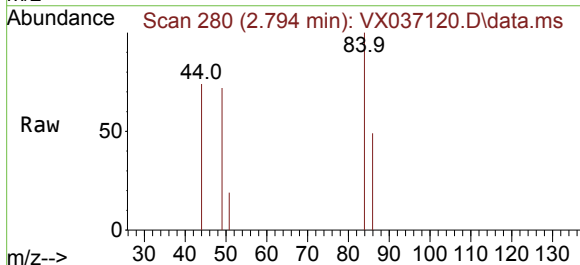
Ion Ratio Lower Upper

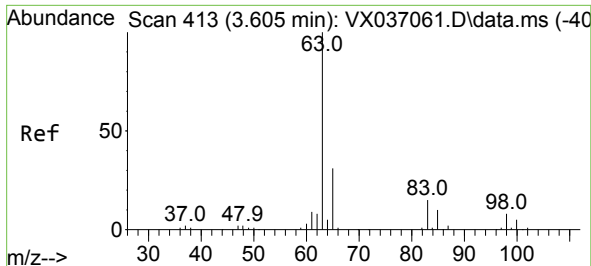
84 100

49 72.5 103.6 155.4#

51 19.3 33.8 50.6#

86 48.7 49.4 74.0#

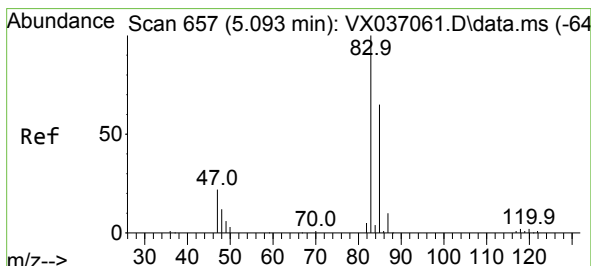
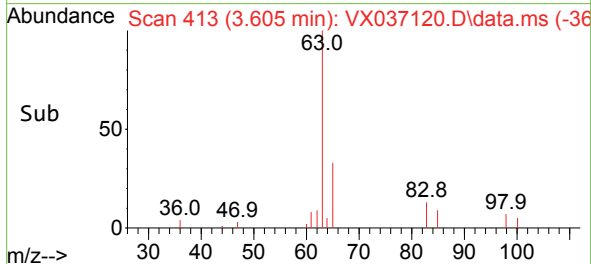
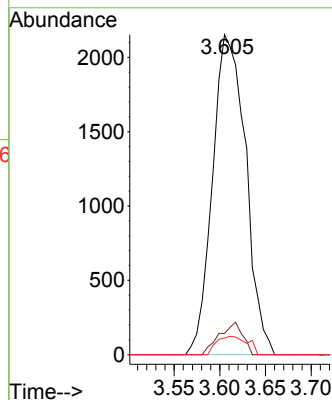
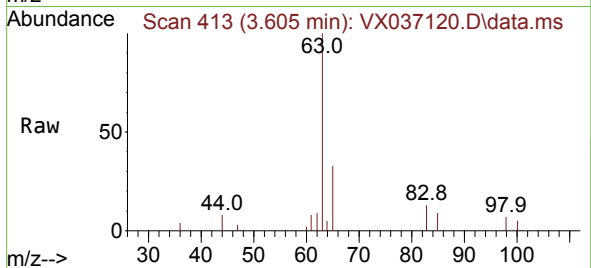




#24
1,1-Dichloroethane
Concen: 2.405 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

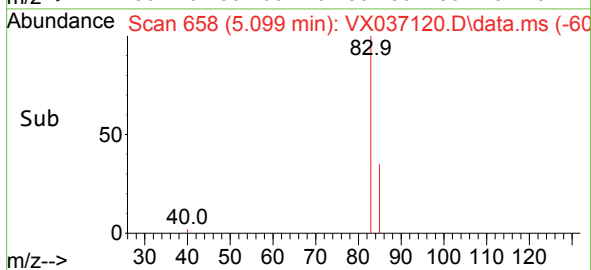
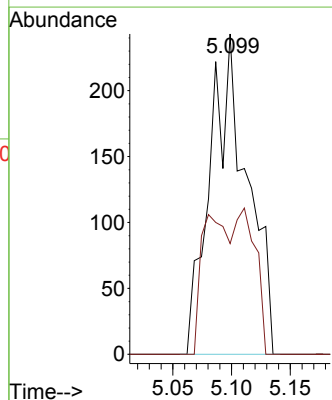
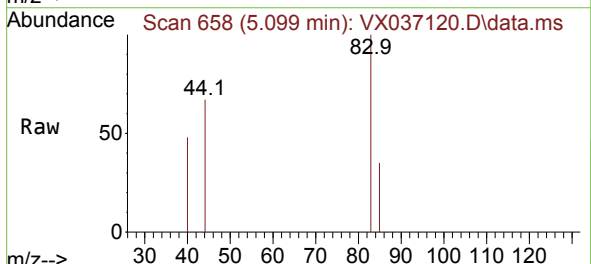
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815

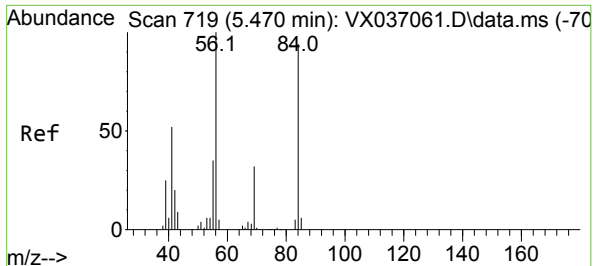
Tgt Ion: 63 Resp: 5429
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 5.2 2.1 6.5



#30
Chloroform
Concen: 0.212 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

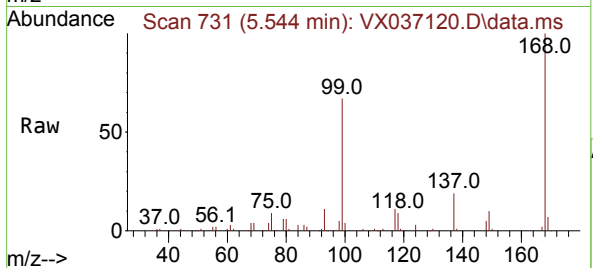
Tgt Ion: 83 Resp: 536
Ion Ratio Lower Upper
83 100
85 34.6 50.3 75.5#



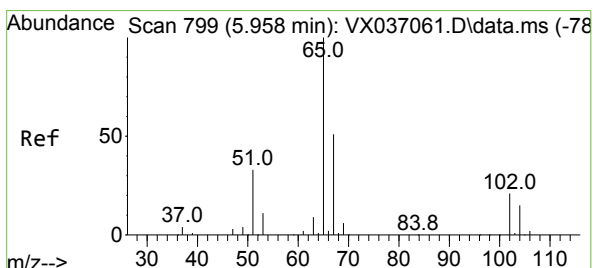
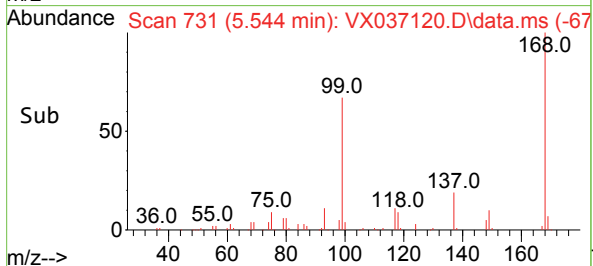
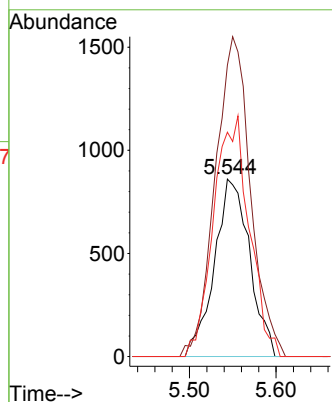


#31
Cyclohexane
Concen: 1.360 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815

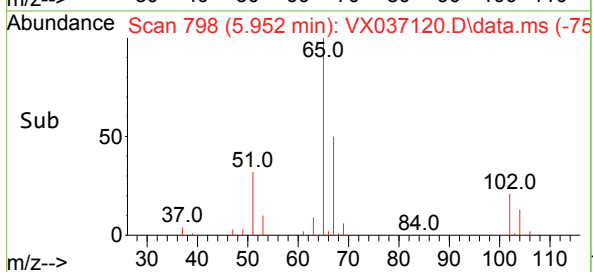
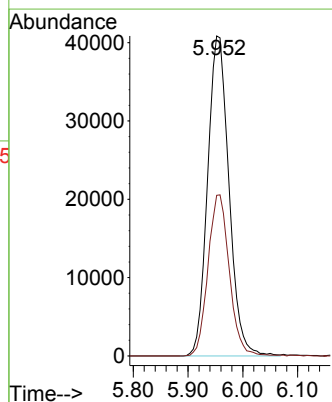
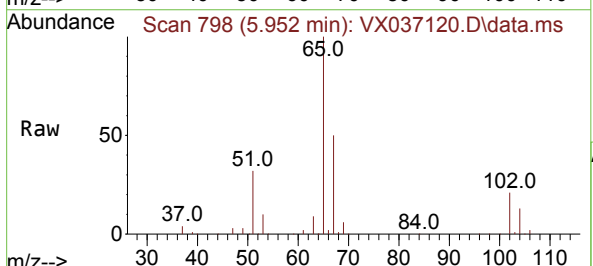


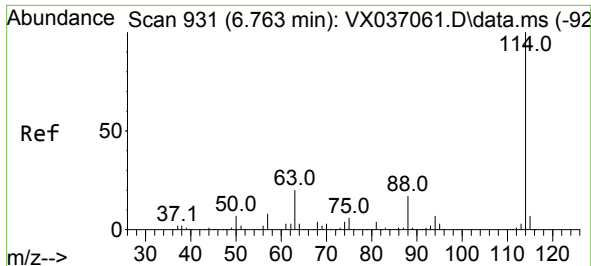
Tgt Ion: 56 Resp: 2427
Ion Ratio Lower Upper
56 100
69 164.1 23.4 35.2#
84 126.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 69.564 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion: 65 Resp: 110423
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

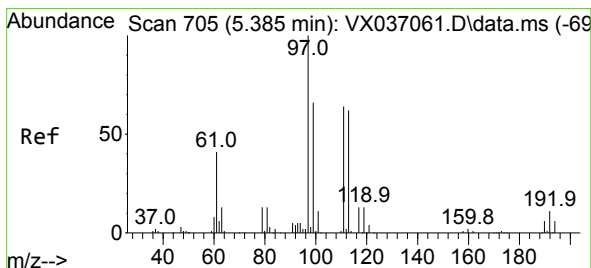
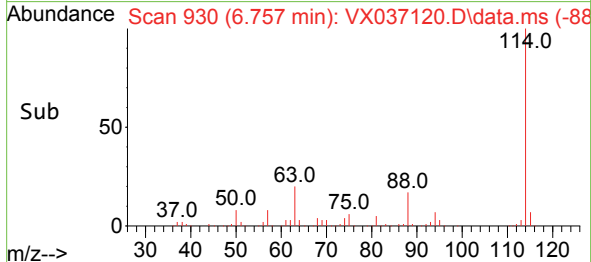
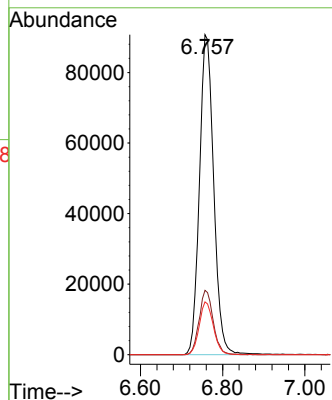
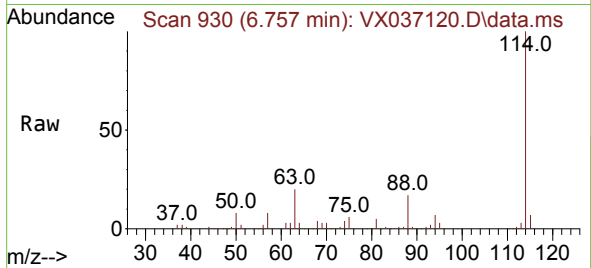




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

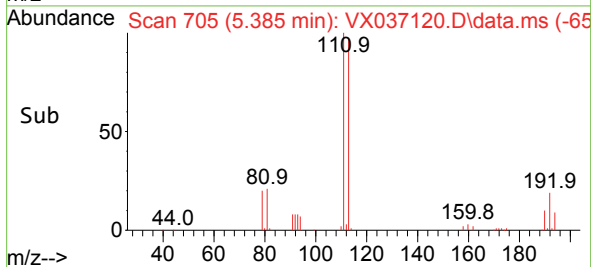
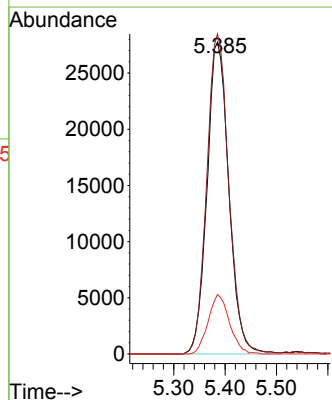
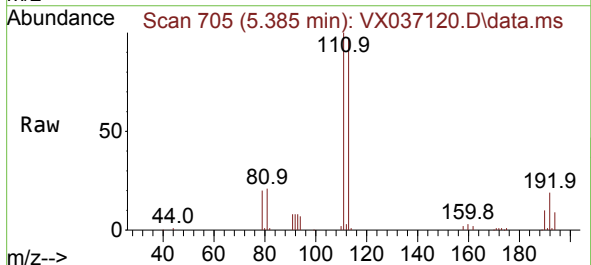
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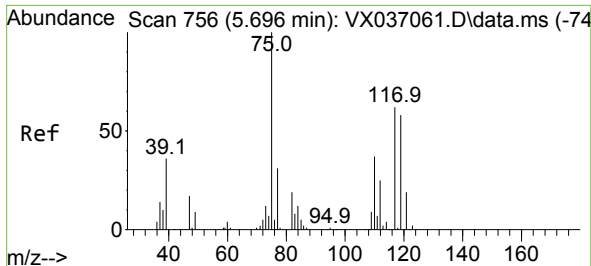
Tgt Ion:114 Resp: 218666
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 56.467 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion:113 Resp: 81774
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 18.7 13.3 19.9

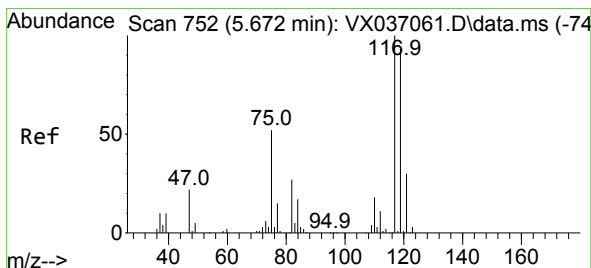
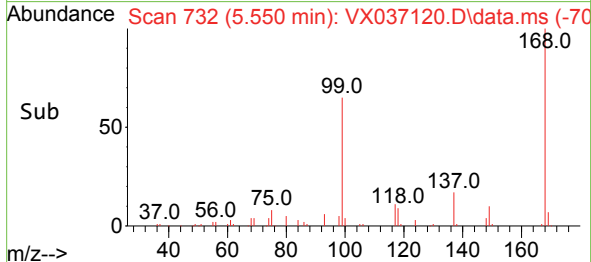
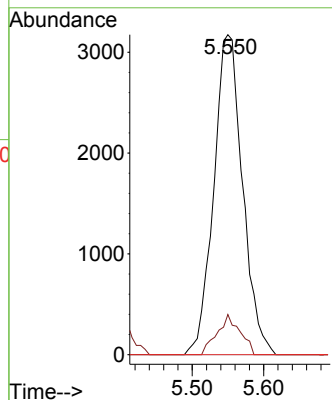
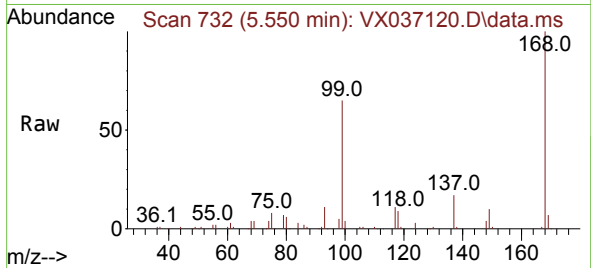




#36
1,1-Dichloropropene
Concen: 4.316 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

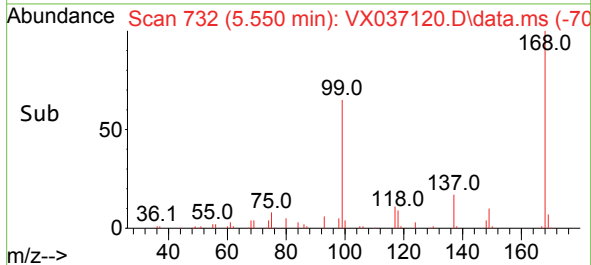
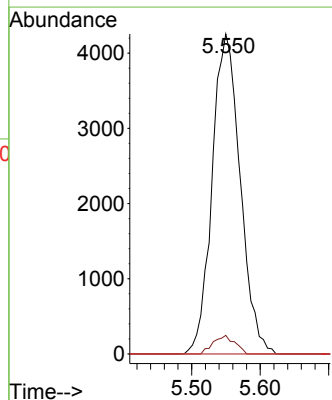
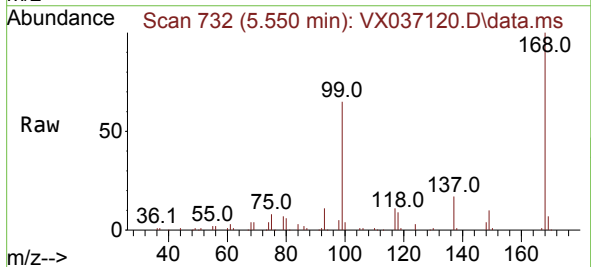
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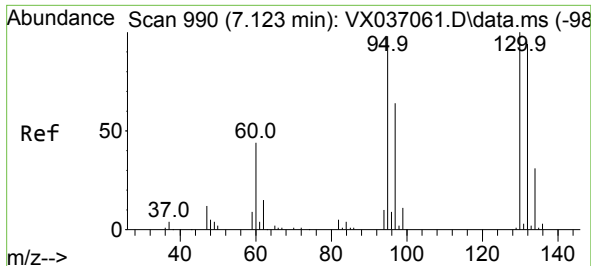
Tgt Ion: 75 Resp: 8880
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.417 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion: 117 Resp: 12106
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

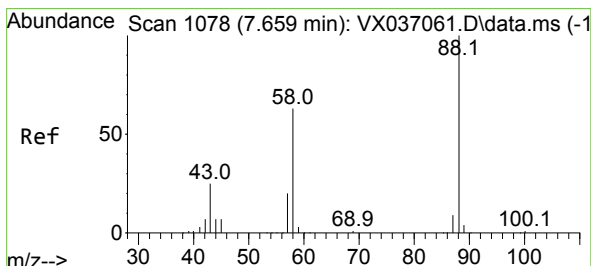
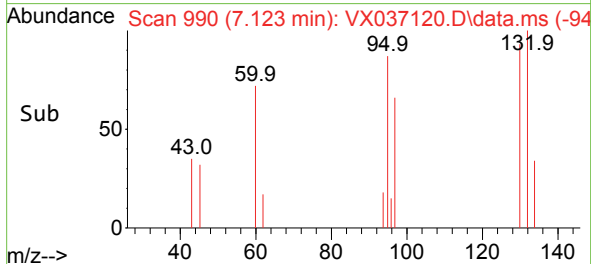
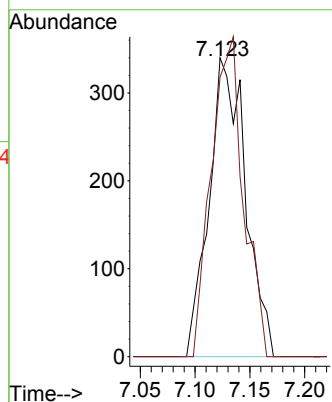
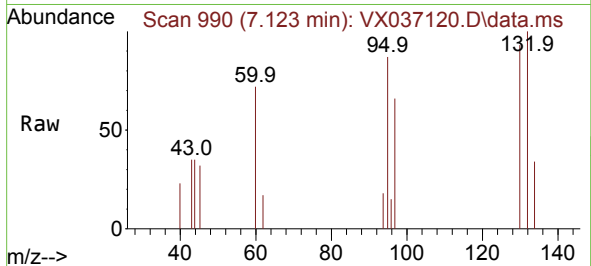




#44
Trichloroethene
Concen: 0.470 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

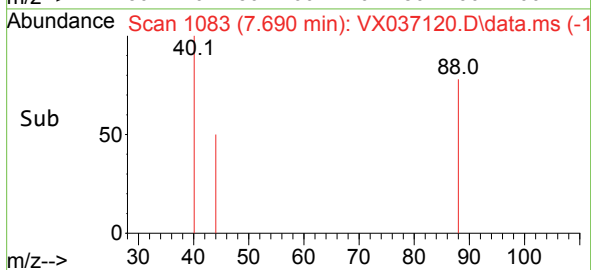
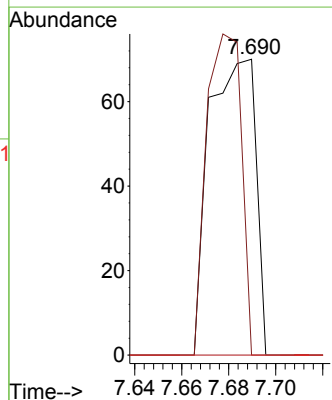
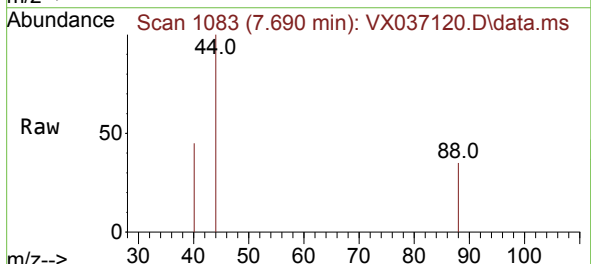
Instrument :
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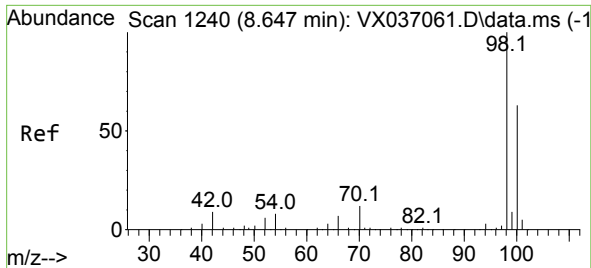
Tgt Ion:130 Resp: 787
Ion Ratio Lower Upper
130 100
95 93.5 0.0 204.4



#49
1,4-Dioxane
Concen: 2.191 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 81.3 0.0 0.0#
58 0.0 60.1 90.1#

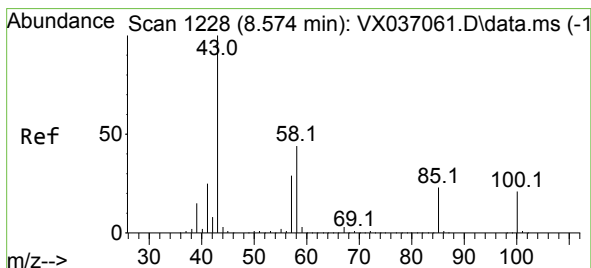
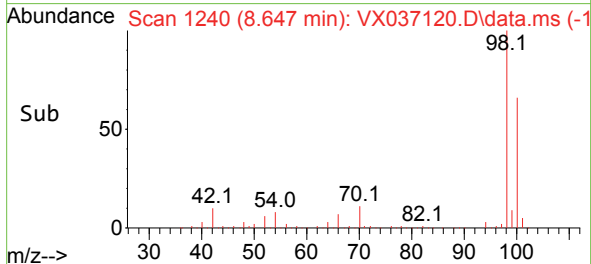
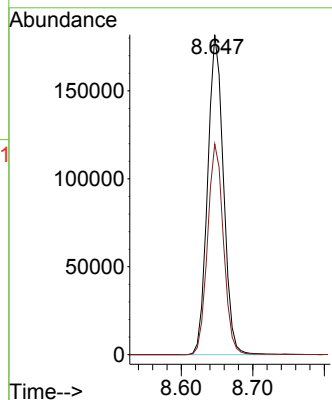
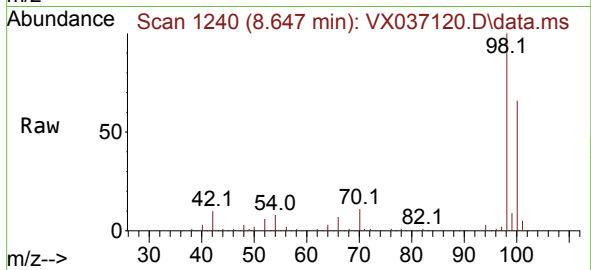




#50
Toluene-d8
Concen: 53.181 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

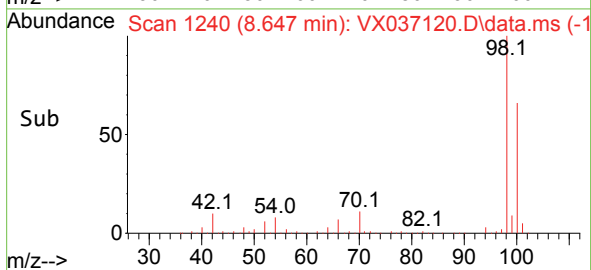
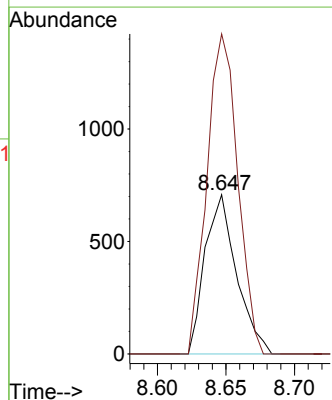
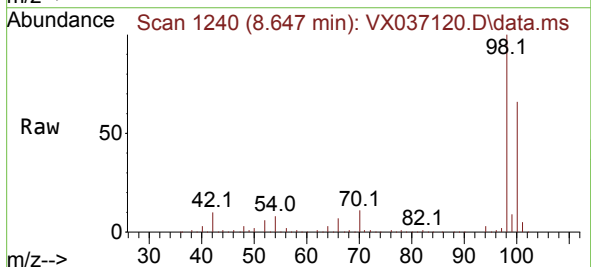
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815

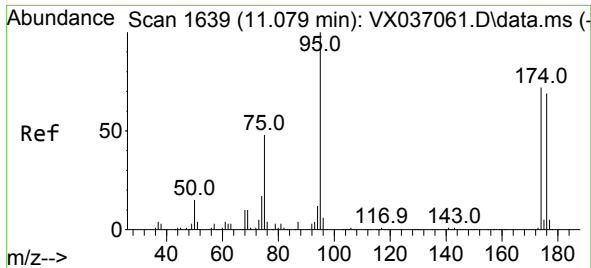
Tgt Ion: 98 Resp: 279362
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.561 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 196.0 30.4 45.6#

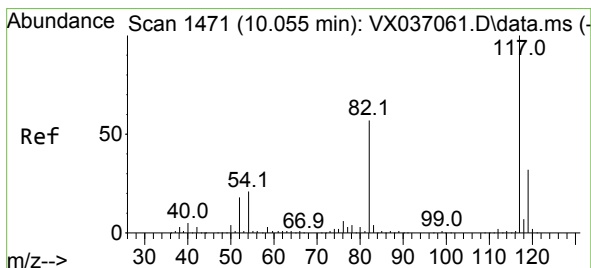
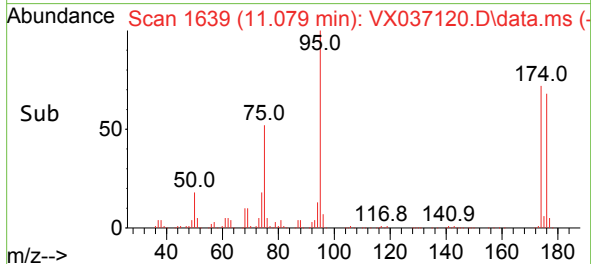
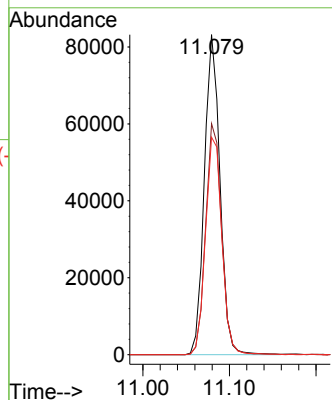
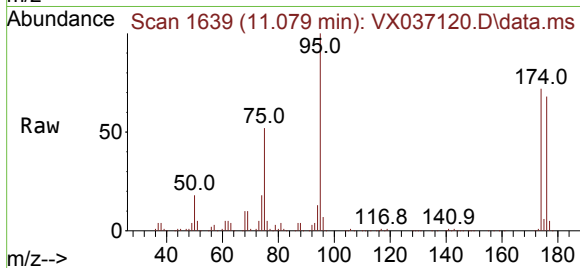




#62
4-Bromofluorobenzene
Concen: 50.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

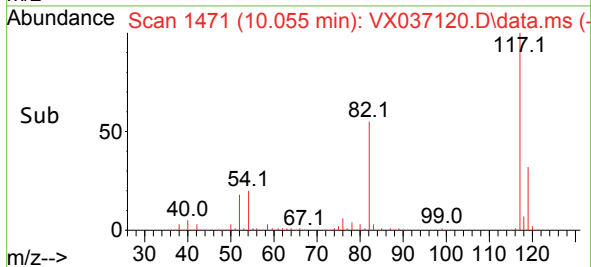
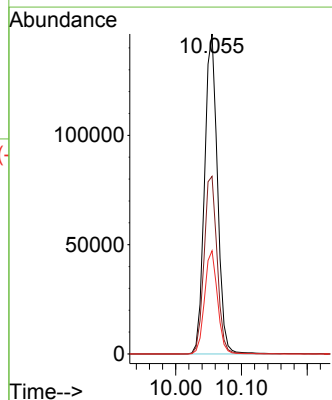
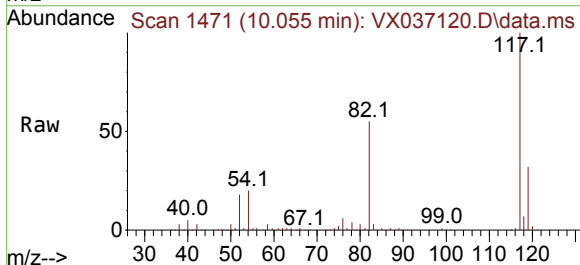
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815

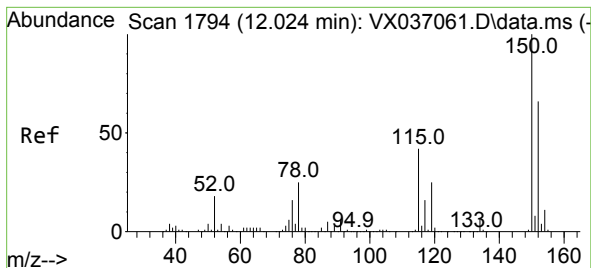
Tgt Ion: 95 Resp: 104150
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 71.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037120.D
Acq: 19 Aug 2023 09:33

Tgt Ion: 117 Resp: 199951
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037120.D

Acq: 19 Aug 2023 09:33

Instrument :

MSVOA_X

ClientSampleId :

TT158S1-20230815

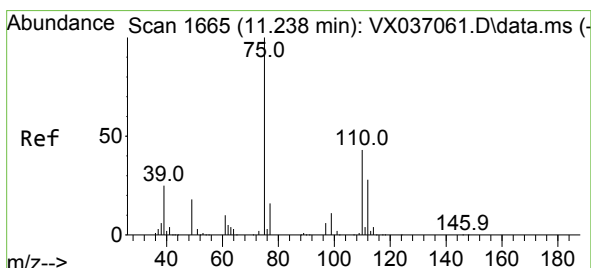
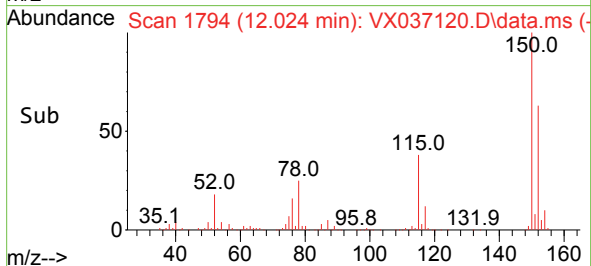
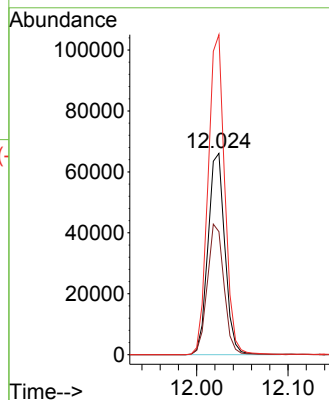
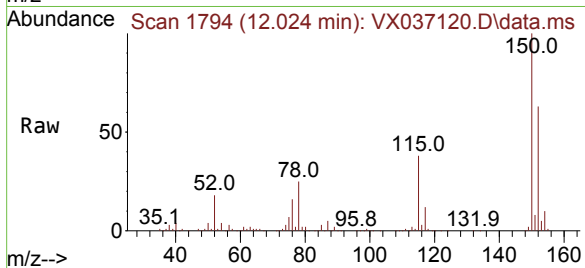
Tgt Ion:152 Resp: 84771

Ion Ratio Lower Upper

152 100

115 64.0 43.3 129.9

150 157.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 30.210 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037120.D

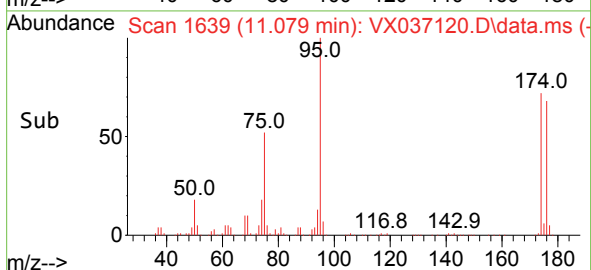
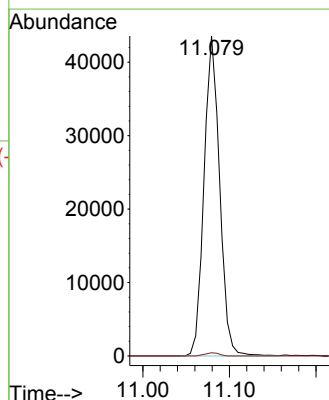
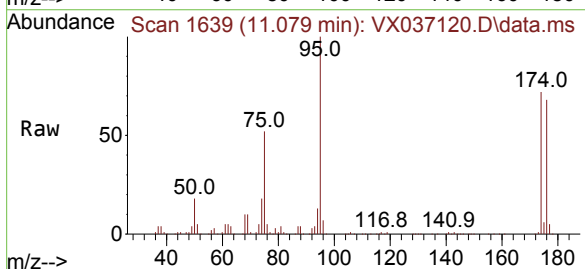
Acq: 19 Aug 2023 09:33

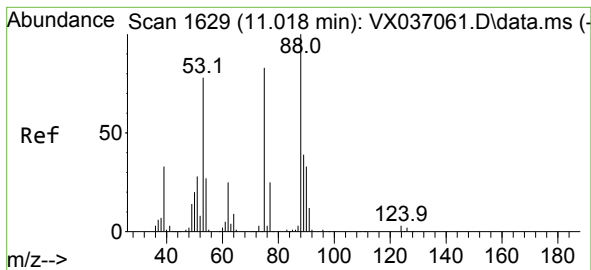
Tgt Ion: 75 Resp: 54539

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.377 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037120.D
 Acq: 19 Aug 2023 09:33

Instrument :
 MSVOA_X
 ClientSampleId :
 TT158S1-20230815

Tgt Ion: 75 Resp: 54539
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

