

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037945.D
 Acq On : 28 Sep 2023 12:37
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 29 04:24:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 06:08:32 2023
 Response via : Initial Calibration

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

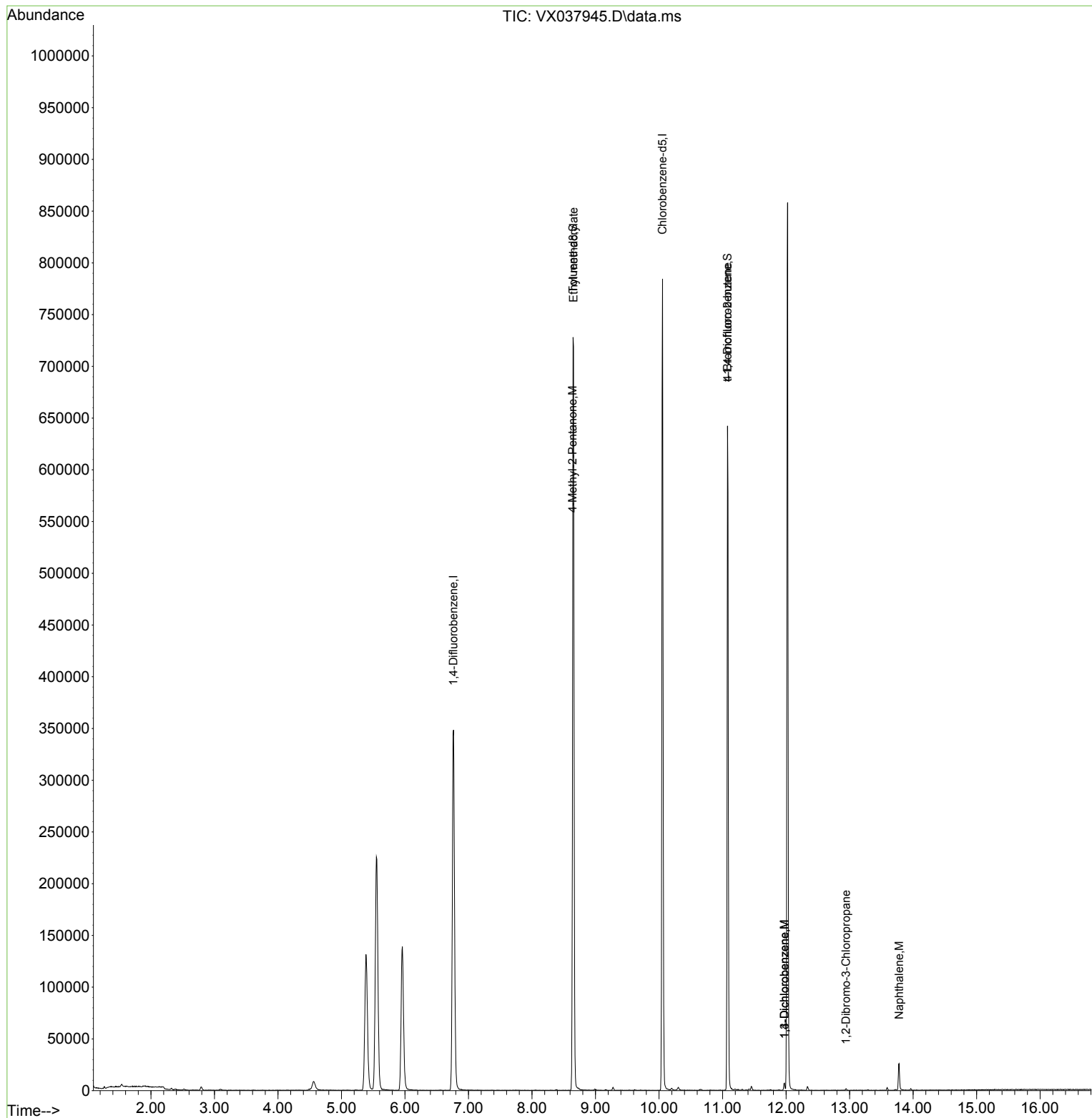
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-4.90
28) 1,4-Difluorobenzene	6.763	114	372260	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	356397	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	131457	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	11.079	95	166012	28.574	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.233%
63) Toluene-d8	8.646	98	448906	29.178	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.267%
Target Compounds						
					Qvalue	
51) Ethyl methacrylate	8.652	69	1299	0.203	ug/l	80
58) 4-Methyl-2-Pentanone	8.640	43	1892	0.363	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	84654	44.714	ug/l #	7
83) 1,3-Dichlorobenzene	11.975	146	2597	0.257	ug/l	99
84) 1,4-Dichlorobenzene	11.975	146	2597	0.253	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.944	75	327	0.241	ug/l	89
91) Naphthalene	13.780	128	18889	0.918	ug/l	99

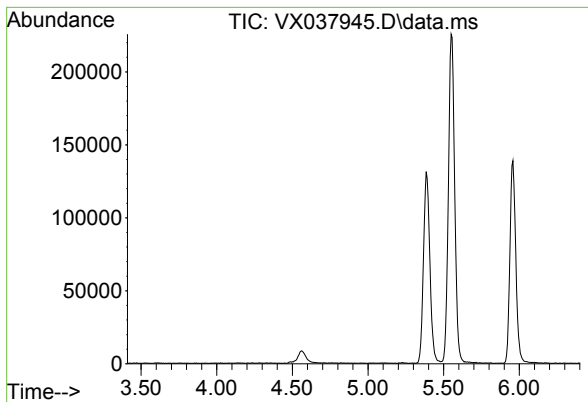
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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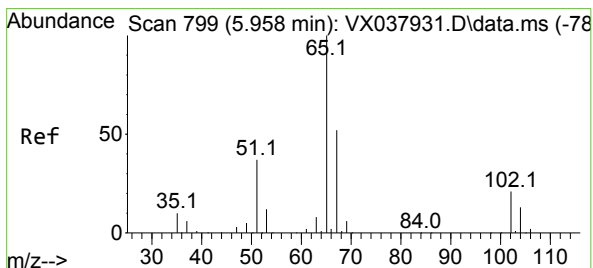
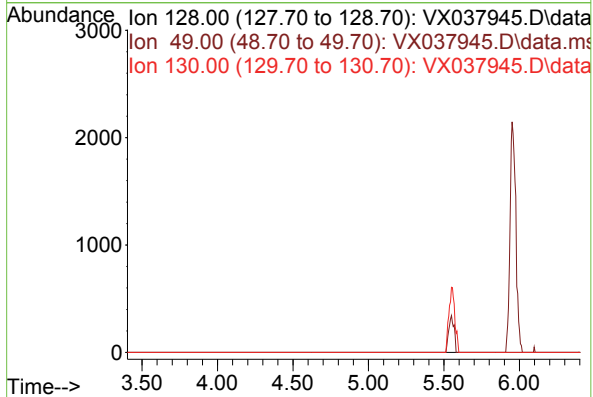


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 4.90 min
 Lab File: VX037945.D
 Acq: 28 Sep 2023 12:37

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 128

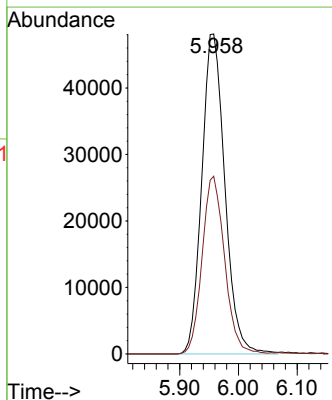
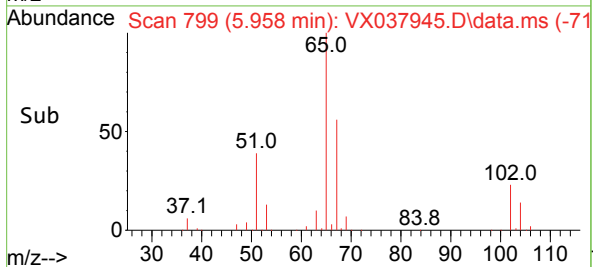
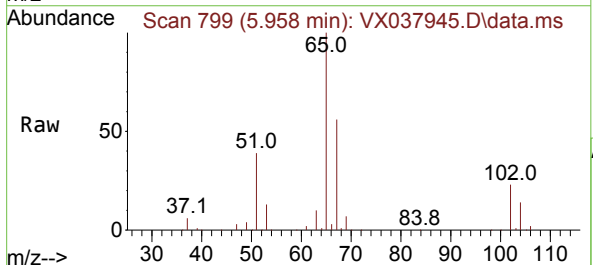
Sig	Exp Ratio
128	100
49	162.5
130	131.2

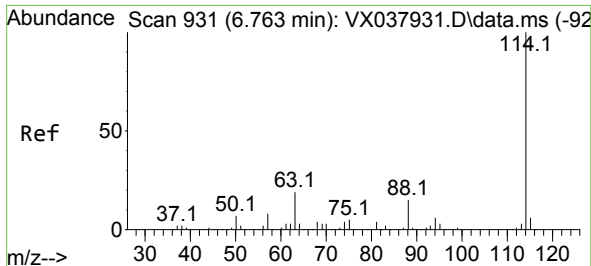


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX037945.D
 Acq: 28 Sep 2023 12:37

Tgt Ion: 65 Resp: 131457

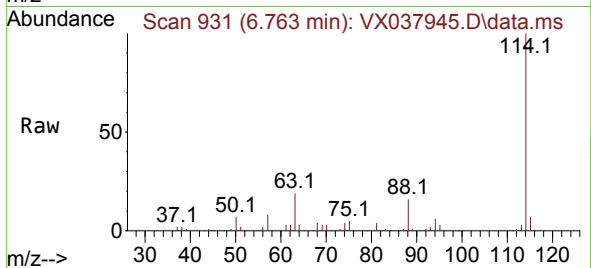
Ion	Ratio	Lower	Upper
65	100		
67	54.1	42.1	63.1



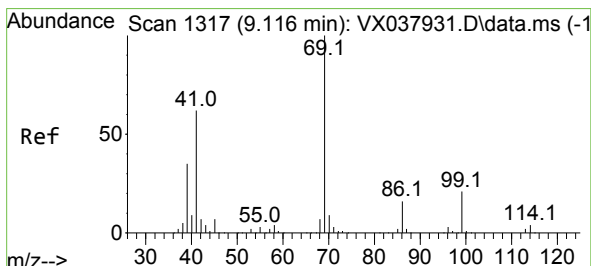
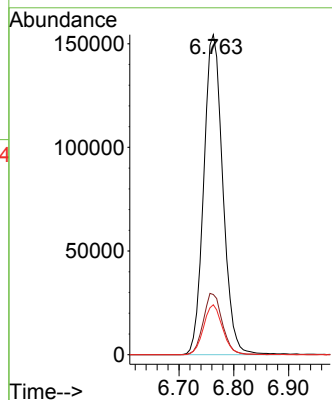
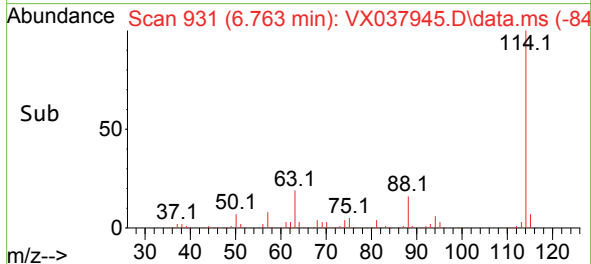


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037945.D
Acq: 28 Sep 2023 12:37

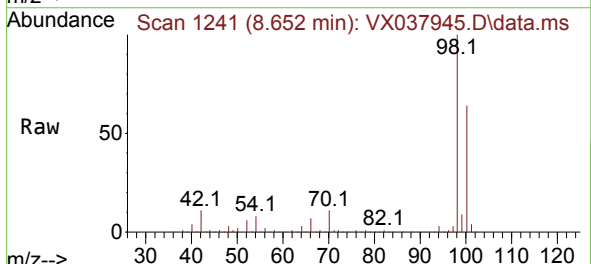
Instrument :
MSVOA_X
ClientSampleId :



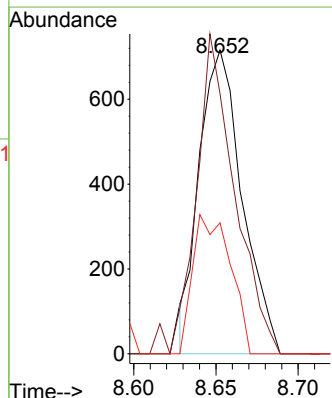
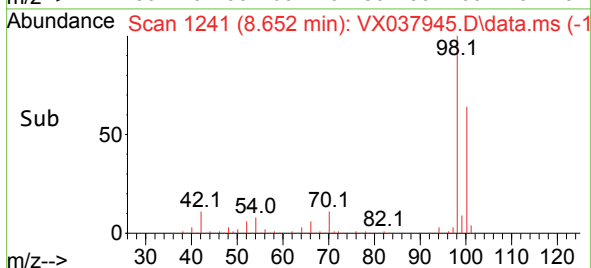
Tgt Ion:114 Resp: 372260
Ion Ratio Lower Upper
114 100
63 19.1 16.6 24.8
88 15.5 12.9 19.3

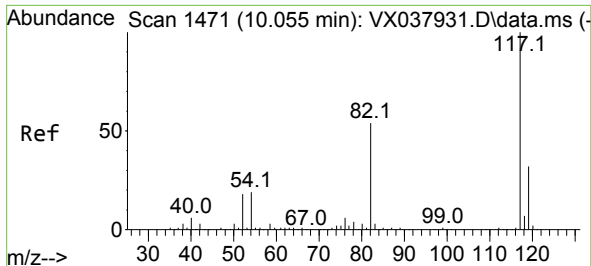


#51
Ethyl methacrylate
Concen: 0.203 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.464 min
Lab File: VX037945.D
Acq: 28 Sep 2023 12:37



Tgt Ion: 69 Resp: 1299
Ion Ratio Lower Upper
69 100
41 85.6 32.0 96.0
39 43.2 19.4 58.4





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037945.D

Acq: 28 Sep 2023 12:37

Instrument :

MSVOA_X

ClientSampleId :

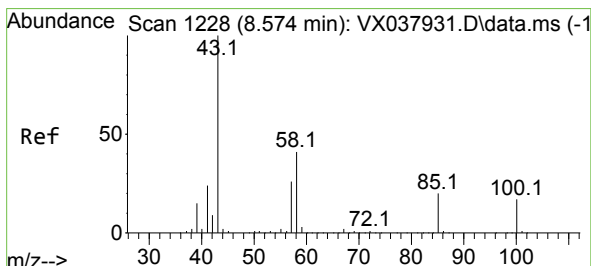
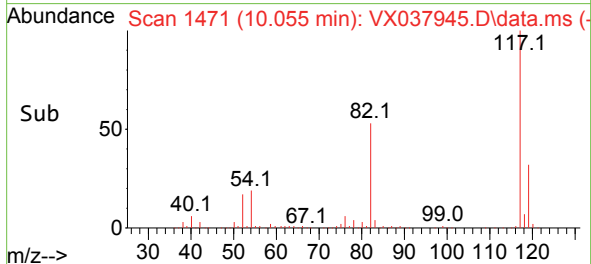
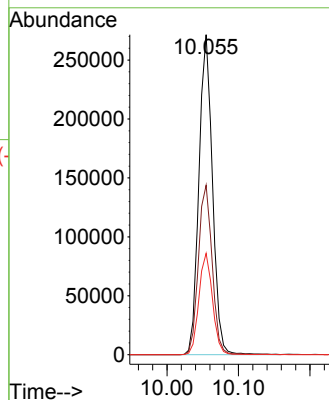
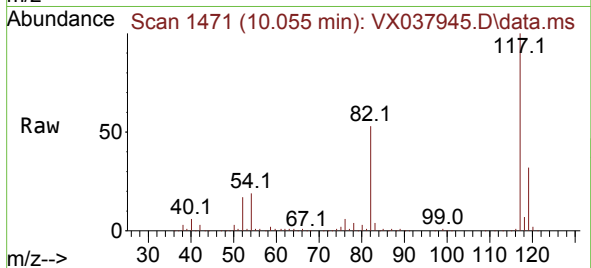
Tgt Ion:117 Resp: 356397

Ion Ratio Lower Upper

117 100

82 54.0 44.7 67.1

119 31.9 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 0.363 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX037945.D

Acq: 28 Sep 2023 12:37

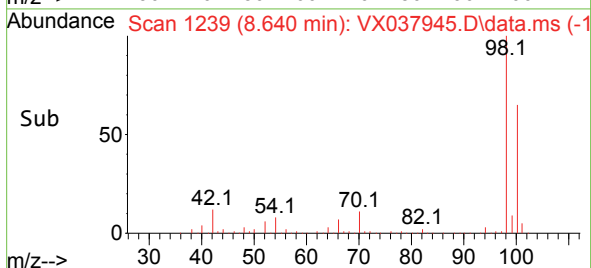
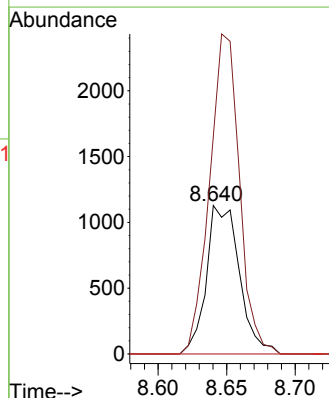
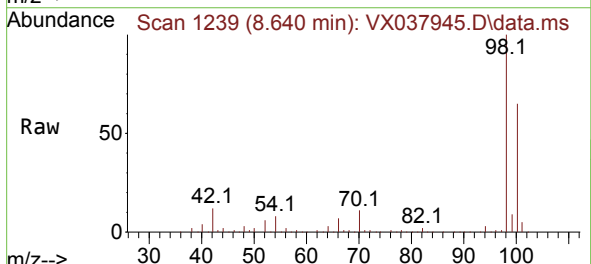
Tgt Ion: 43 Resp: 1892

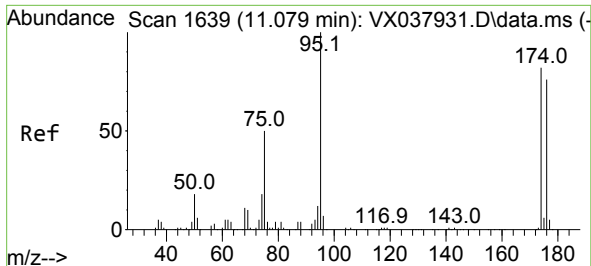
Ion Ratio Lower Upper

43 100

58 195.2 30.9 46.3#

85 0.0 14.4 21.6#

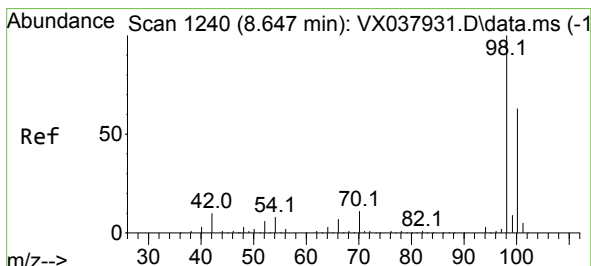
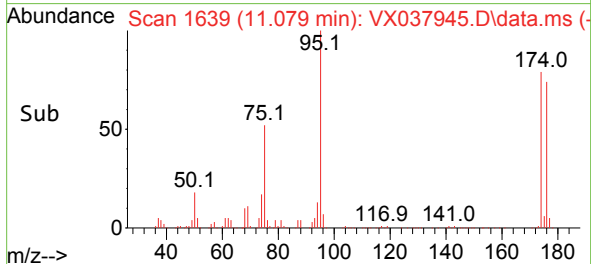
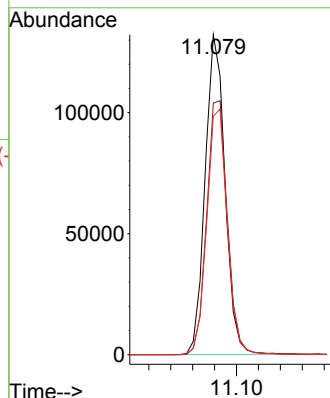
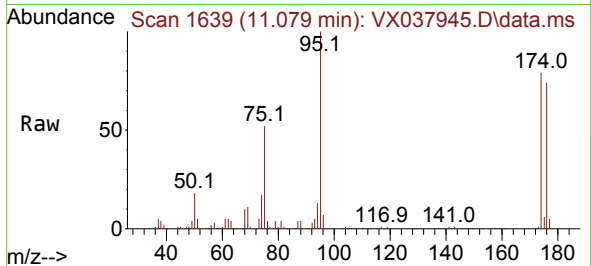




#60
4-Bromofluorobenzene
Concen: 28.574 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037945.D
Acq: 28 Sep 2023 12:37

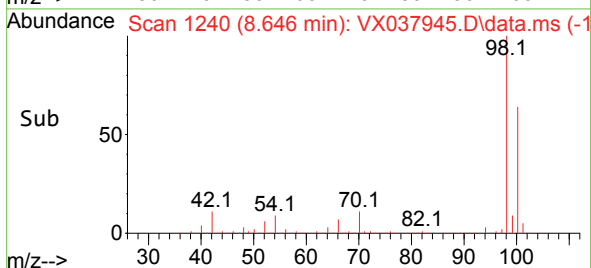
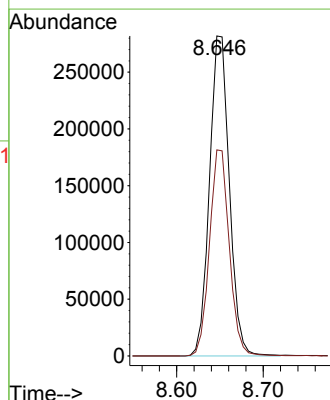
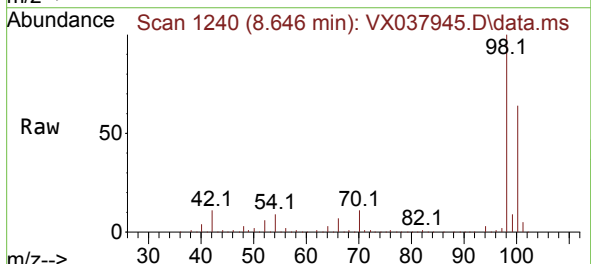
Instrument :
MSVOA_X
ClientSampleId :

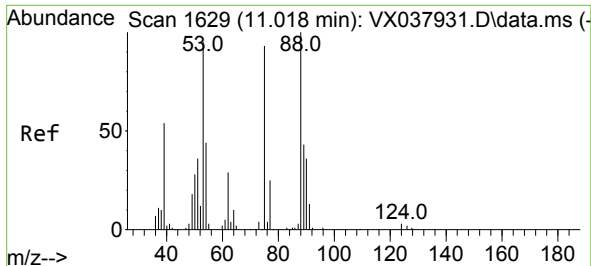
Tgt Ion: 95 Resp: 166012
Ion Ratio Lower Upper
95 100
174 83.5 60.5 90.7
176 79.5 58.2 87.4



#63
Toluene-d8
Concen: 29.178 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037945.D
Acq: 28 Sep 2023 12:37

Tgt Ion: 98 Resp: 448906
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

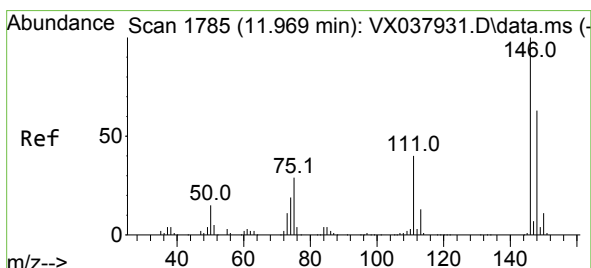
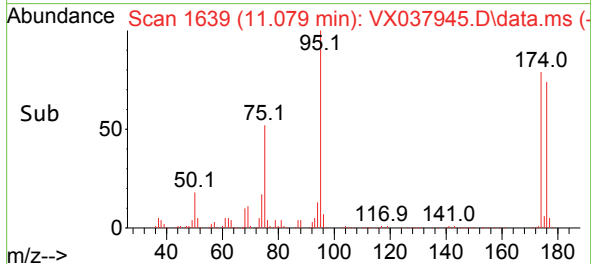
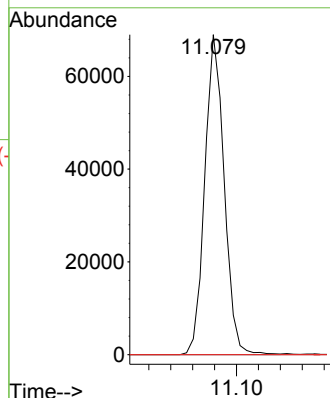
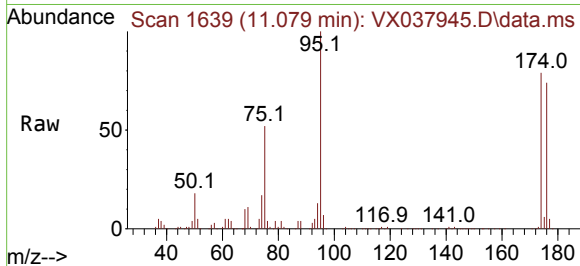




#77
t-1,4-Dichloro-2-butene
Concen: 44.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037945.D
Acq: 28 Sep 2023 12:37

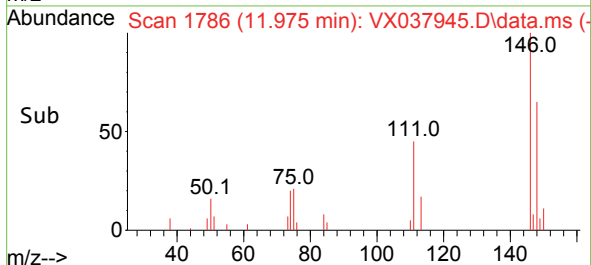
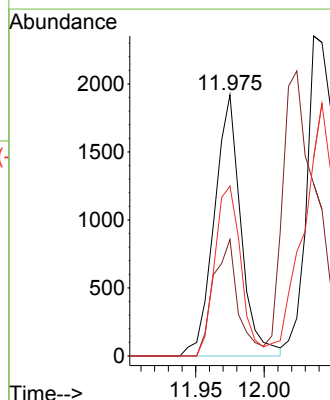
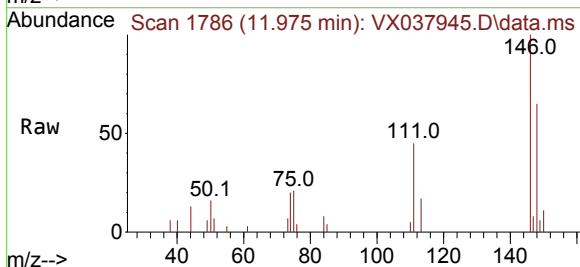
Instrument :
MSVOA_X
ClientSampleId :

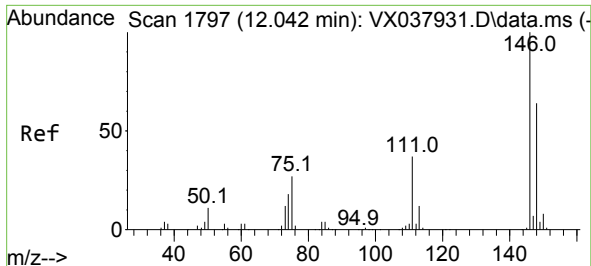
Tgt Ion: 75 Resp: 84654
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



#83
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX037945.D
Acq: 28 Sep 2023 12:37

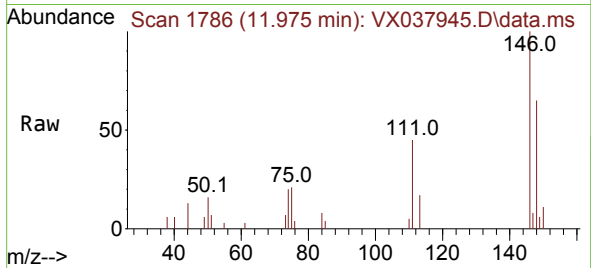
Tgt Ion:146 Resp: 2597
Ion Ratio Lower Upper
146 100
111 41.5 20.4 61.2
148 63.7 31.6 94.8



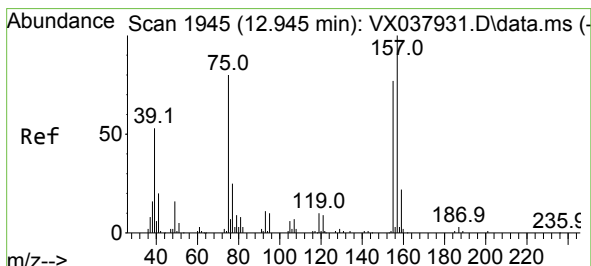
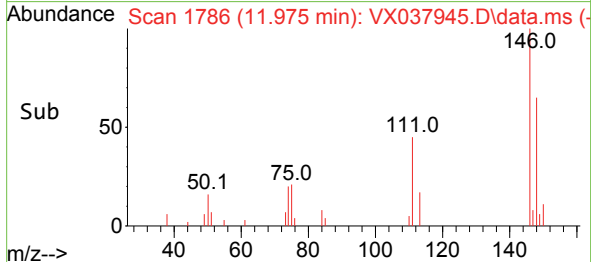
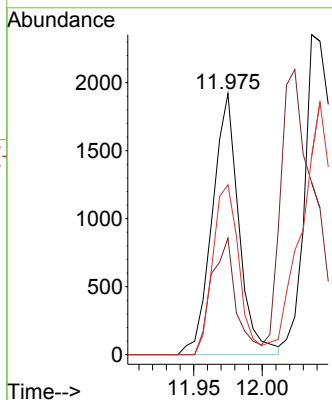


#84
 1,4-Dichlorobenzene
 Concen: 0.253 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. -0.067 min
 Lab File: VX037945.D
 Acq: 28 Sep 2023 12:37

Instrument :
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 ClientSampleId :

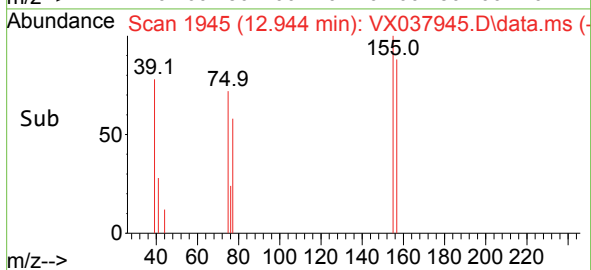
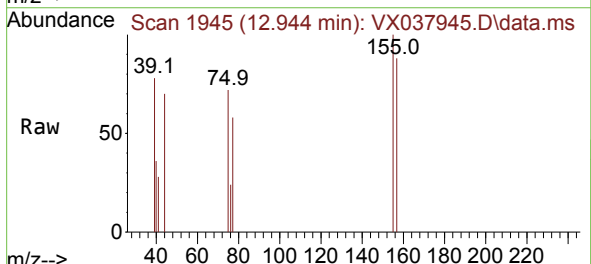
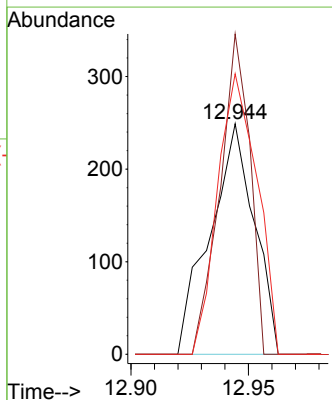


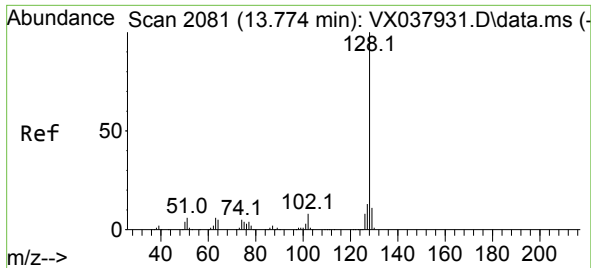
Tgt Ion:146 Resp: 2597
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.6
 148 63.7 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.241 ug/l
 RT: 12.944 min Scan# 1945
 Delta R.T. -0.000 min
 Lab File: VX037945.D
 Acq: 28 Sep 2023 12:37

Tgt Ion: 75 Resp: 327
 Ion Ratio Lower Upper
 75 100
 155 93.9 62.7 94.1
 157 108.3 81.5 122.3





#91

Naphthalene

Concen: 0.918 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

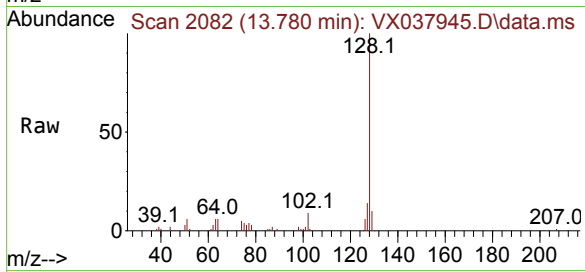
Lab File: VX037945.D

Acq: 28 Sep 2023 12:37

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 18889

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 9.8 8.7 13.1

