

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037946.D
 Acq On : 28 Sep 2023 13:27
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 29 04:25:29 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)

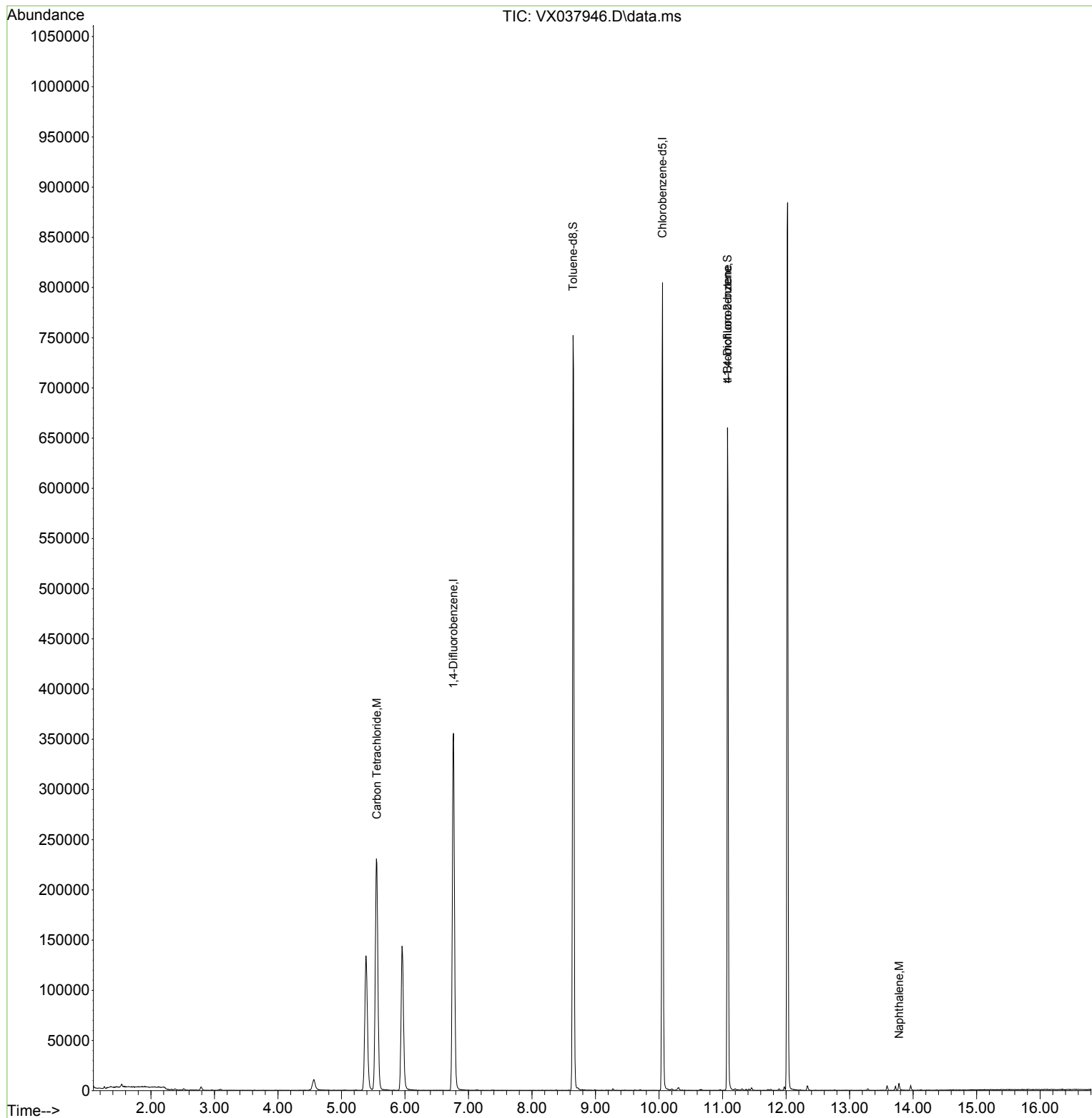
Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-4.90
28) 1,4-Difluorobenzene	6.763	114	379517	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	363643	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	135790	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	11.079	95	172063	29.025	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.767%
63) Toluene-d8	8.647	98	461665	29.409	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.033%
Target Compounds						
					Qvalue	
33) Carbon Tetrachloride	5.556	117	22811	4.054	ug/l #	15
77) t-1,4-Dichloro-2-butene	11.079	75	87439	45.265	ug/l #	7
91) Naphthalene	13.780	128	5144	0.245	ug/l	100

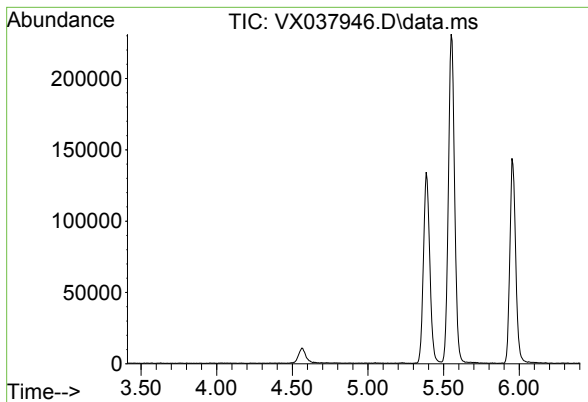
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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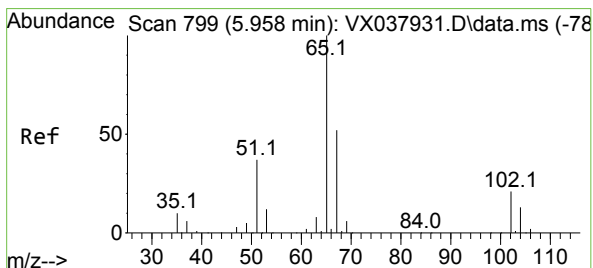
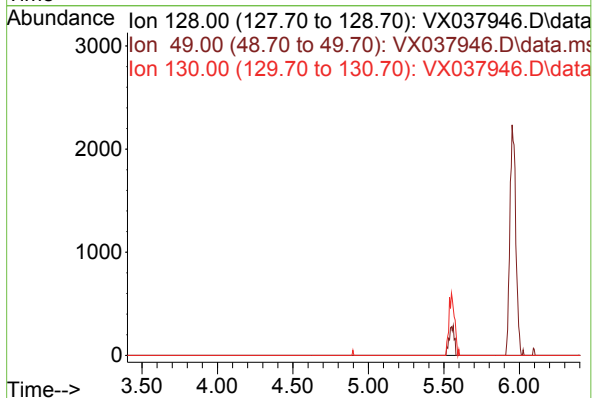


#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 4.90 min
 Lab File: VX037946.D
 Acq: 28 Sep 2023 13:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 128

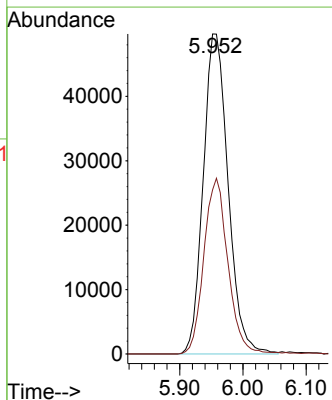
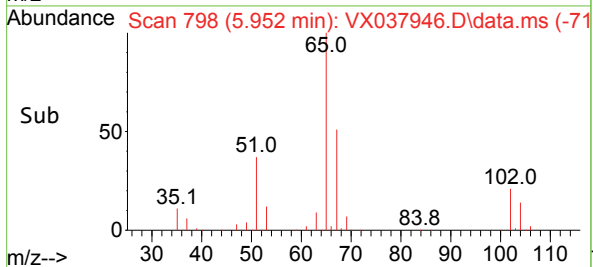
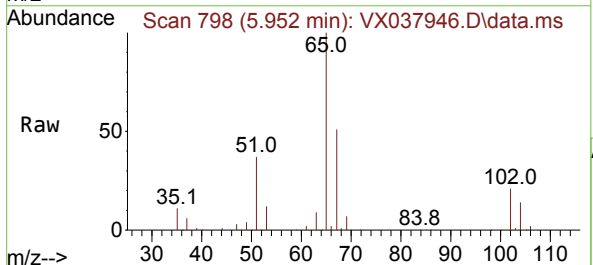
Sig	Exp Ratio
128	100
49	162.5
130	131.2

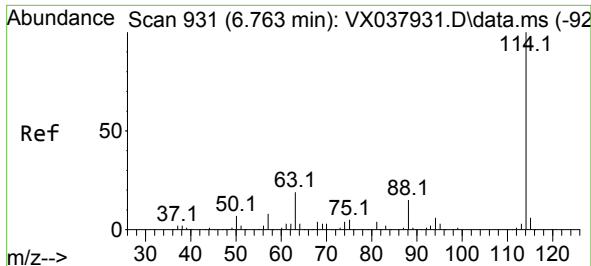


#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX037946.D
 Acq: 28 Sep 2023 13:27

Tgt Ion: 65 Resp: 135790

Ion	Ratio	Lower	Upper
65	100		
67	53.0	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: VX037946.D

Acq: 28 Sep 2023 13:27

Instrument :

MSVOA_X

ClientSampleId :

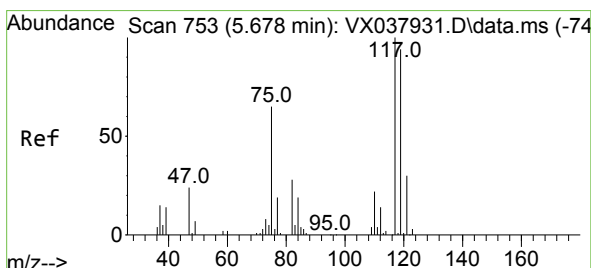
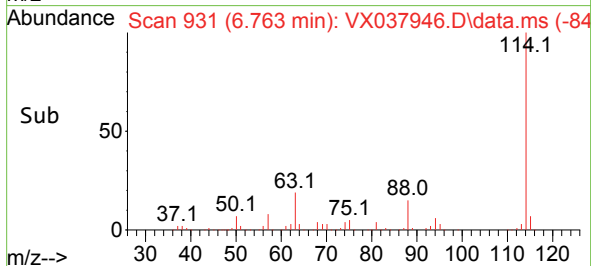
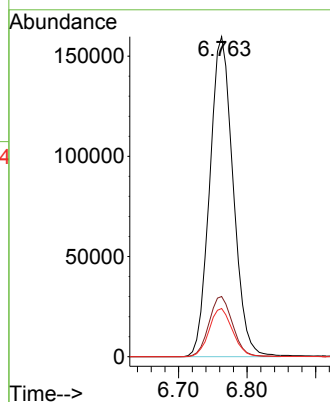
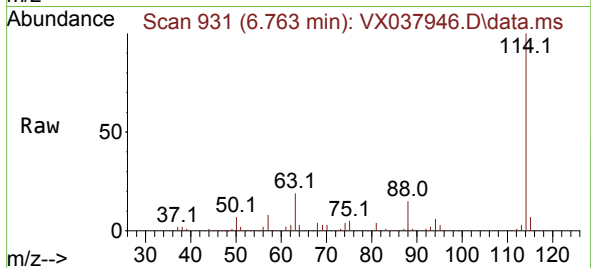
Tgt Ion:114 Resp: 379517

Ion Ratio Lower Upper

114 100

63 18.9 16.6 24.8

88 15.2 12.9 19.3



#33

Carbon Tetrachloride

Concen: 4.054 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX037946.D

Acq: 28 Sep 2023 13:27

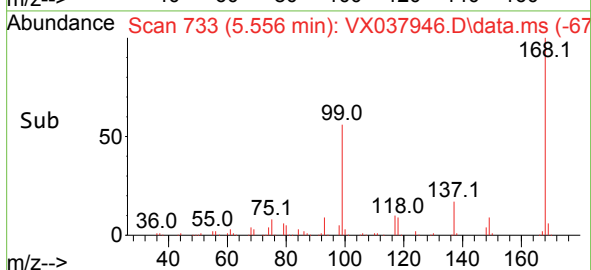
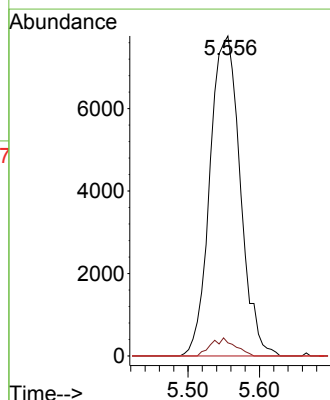
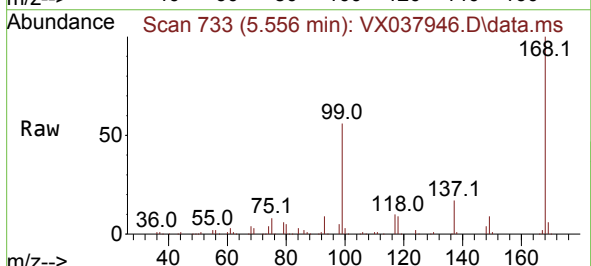
Tgt Ion:117 Resp: 22811

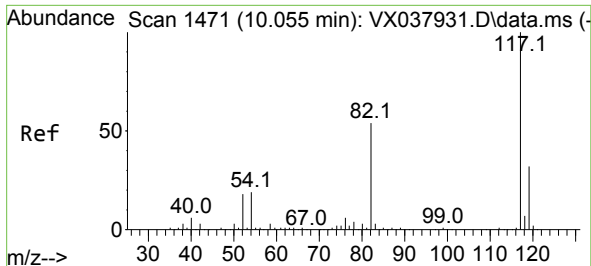
Ion Ratio Lower Upper

117 100

119 4.1 76.6 115.0#

121 0.0 26.5 39.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037946.D

Acq: 28 Sep 2023 13:27

Instrument :

MSVOA_X

ClientSampleId :

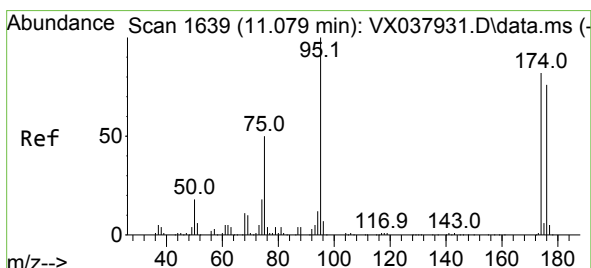
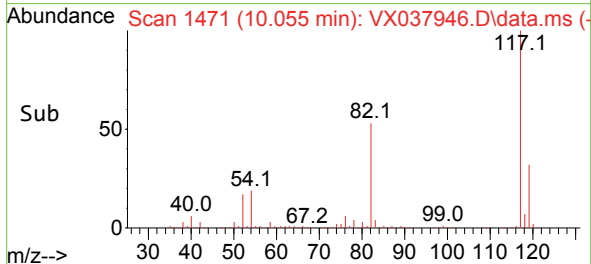
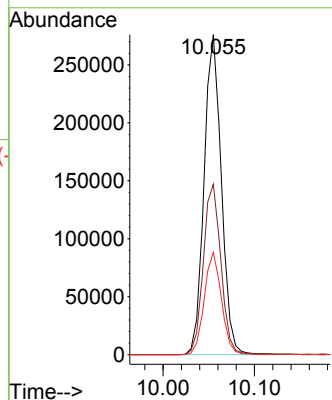
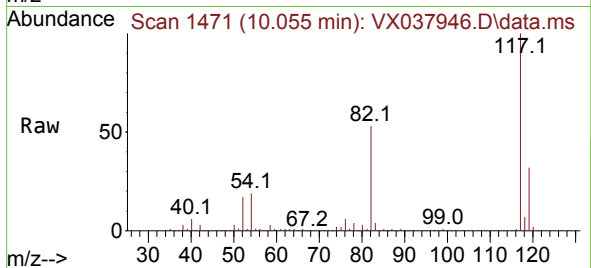
Tgt Ion:117 Resp: 363643

Ion Ratio Lower Upper

117 100

82 54.2 44.7 67.1

119 31.8 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 29.025 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037946.D

Acq: 28 Sep 2023 13:27

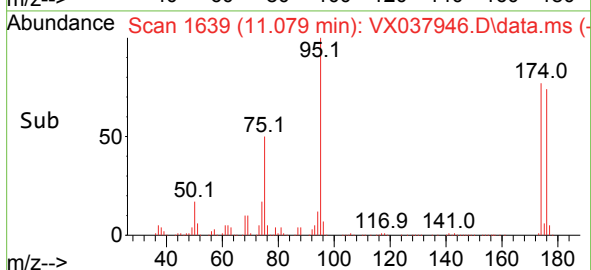
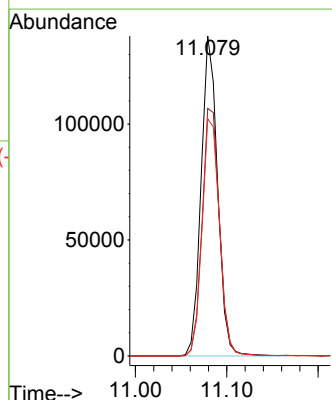
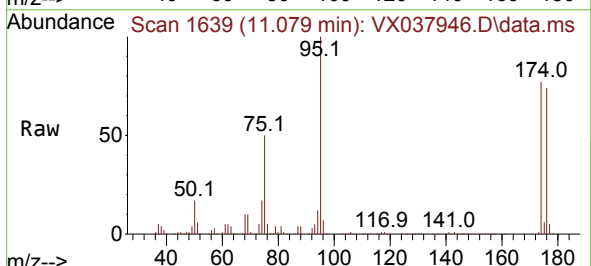
Tgt Ion: 95 Resp: 172063

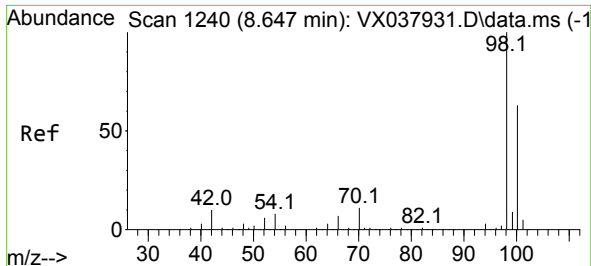
Ion Ratio Lower Upper

95 100

174 82.0 60.5 90.7

176 78.5 58.2 87.4

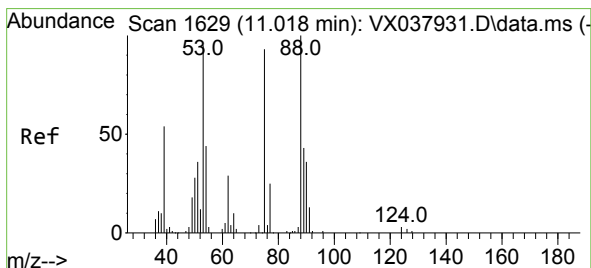
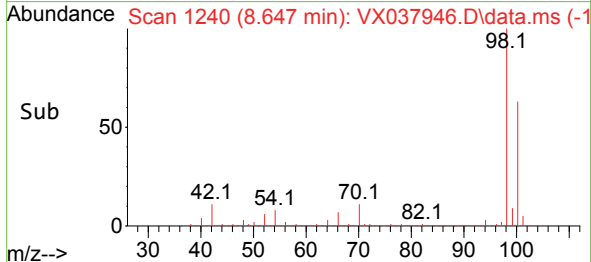
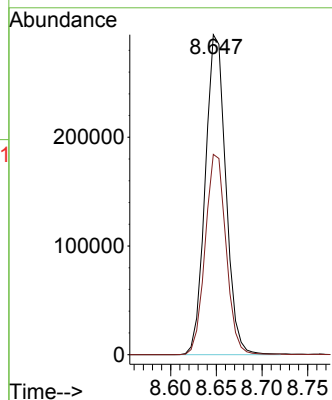
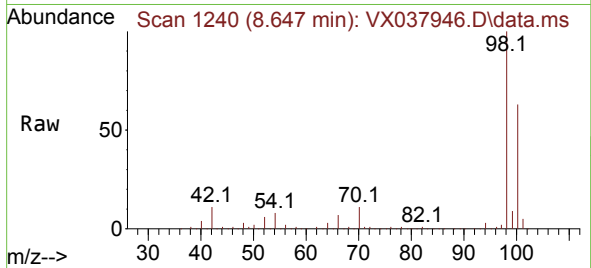




#63
Toluene-d8
Concen: 29.409 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037946.D
Acq: 28 Sep 2023 13:27

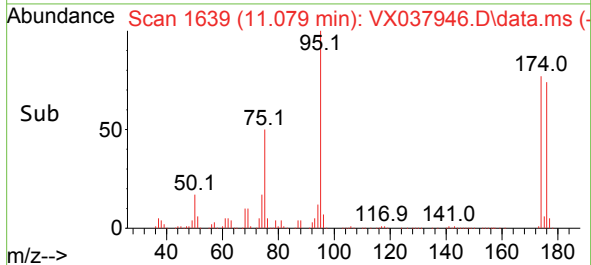
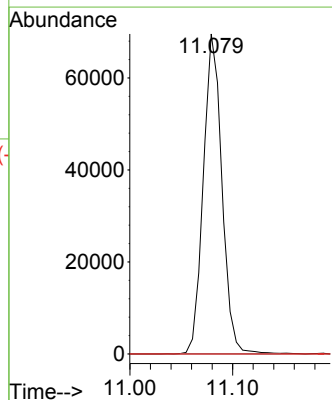
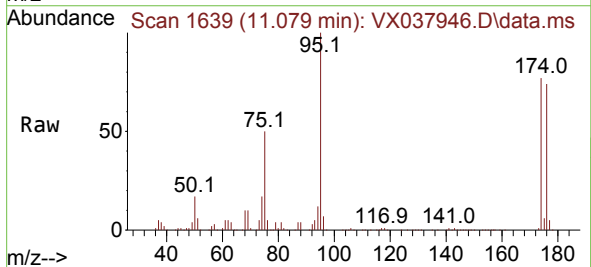
Instrument :
MSVOA_X
ClientSampleId :

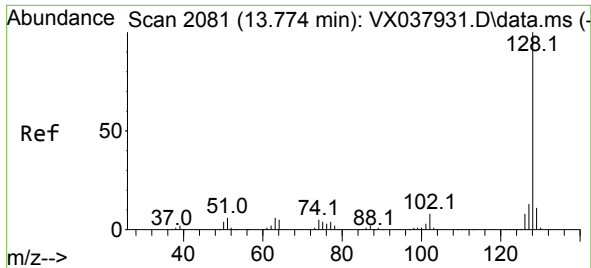
Tgt Ion: 98 Resp: 461665
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 45.265 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037946.D
Acq: 28 Sep 2023 13:27

Tgt Ion: 75 Resp: 87439
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#





#91

Naphthalene

Concen: 0.245 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

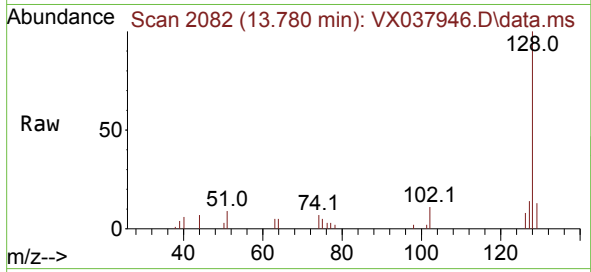
Lab File: VX037946.D

Acq: 28 Sep 2023 13:27

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 5144

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.0 8.7 13.1

