

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039038.D
 Acq On : 27 Nov 2023 13:55
 Operator : JC/MD
 Sample : 05525-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 01:12:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

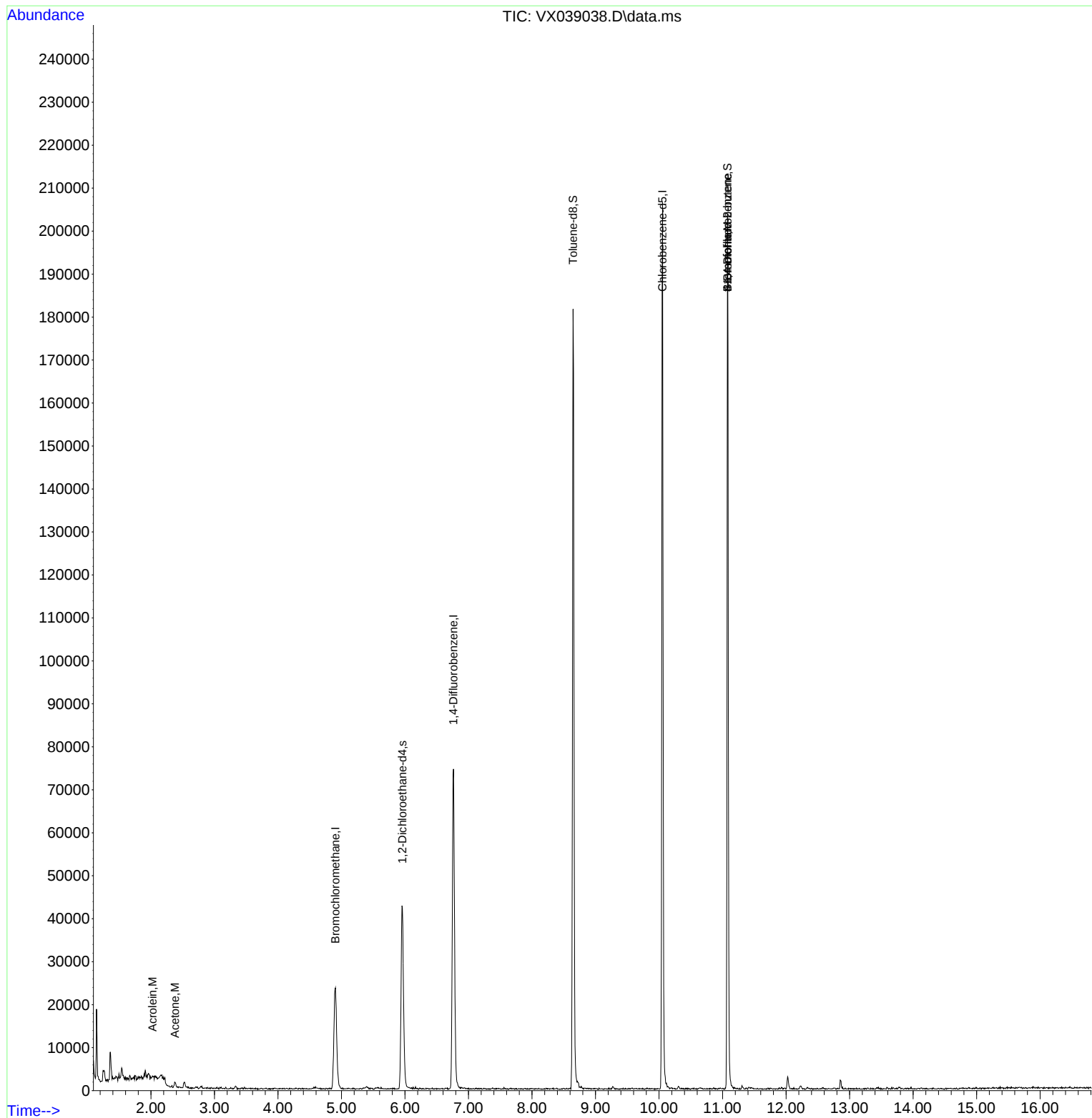
Internal Standards						
1) Bromochloromethane	4.904	128	9160	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73490	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88933	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	40866	32.611	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.700%
60) 4-Bromofluorobenzene	11.079	95	56606	29.141	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.133%
63) Toluene-d8	8.647	98	109781	31.222	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.067%
Target Compounds						
					Qvalue	
13) Acrolein	2.026	56	88	0.258	ug/l	99
15) Acetone	2.380	58	388	1.123	ug/l #	31
56) Bromoform	11.079	173	280	0.238	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	31408	36.442	ug/l #	12

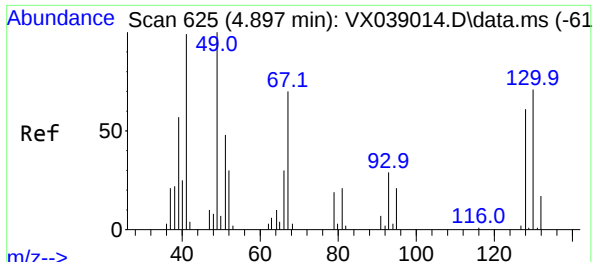
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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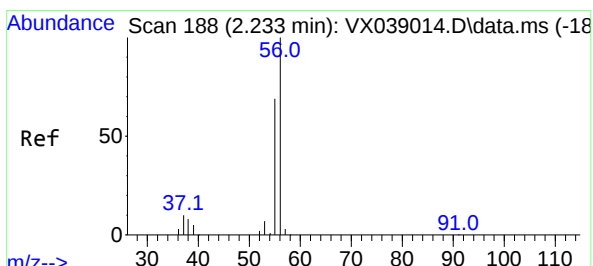
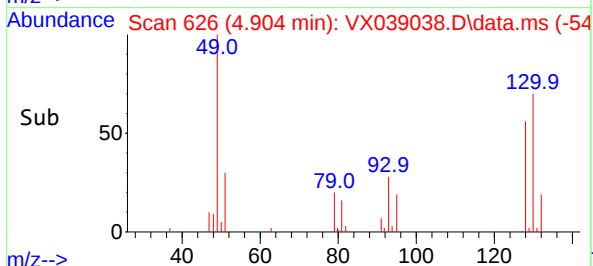
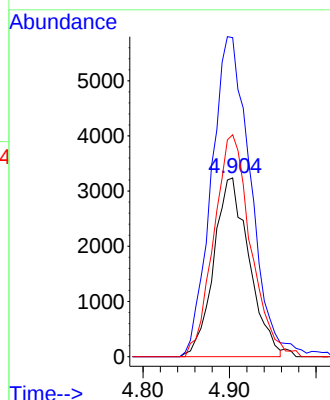
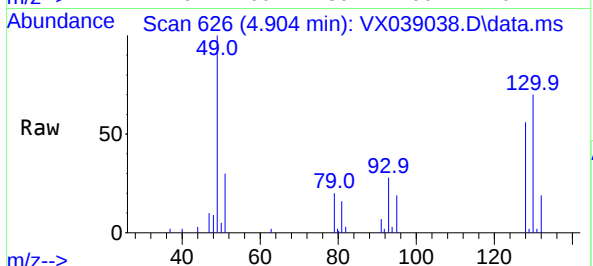




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX039038.D
Acq: 27 Nov 2023 13:55

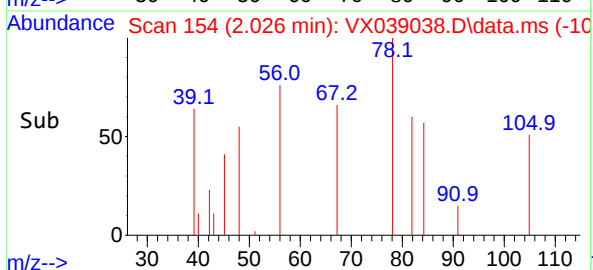
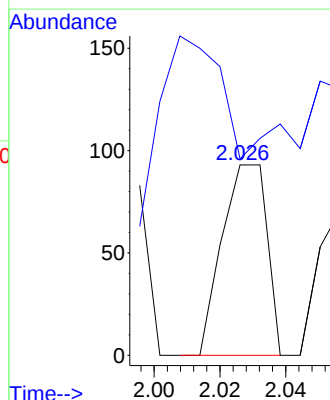
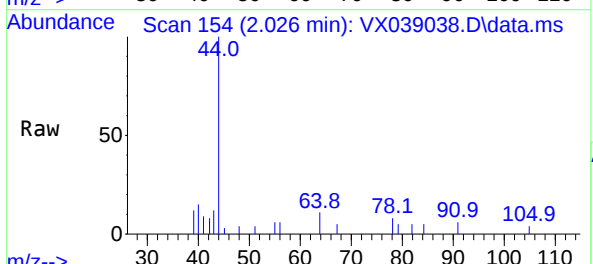
Instrument :
MSVOA_X
ClientSampleId :

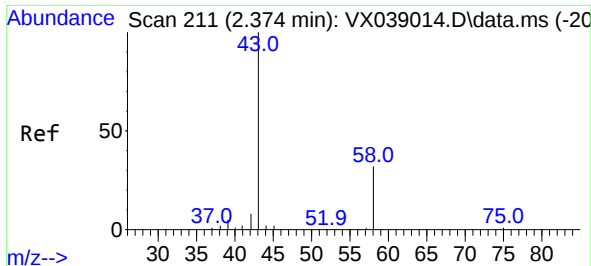
Tgt Ion:128 Resp: 9160
Ion Ratio Lower Upper
128 100
49 196.8 0.0 444.0
130 129.3 0.0 297.8



#13
Acrolein
Concen: 0.258 ug/l
RT: 2.026 min Scan# 154
Delta R.T. -0.207 min
Lab File: VX039038.D
Acq: 27 Nov 2023 13:55

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 70.5 57.2 85.8





#15

Acetone

Concen: 1.123 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX039038.D

Acq: 27 Nov 2023 13:55

Instrument :

MSVOA_X

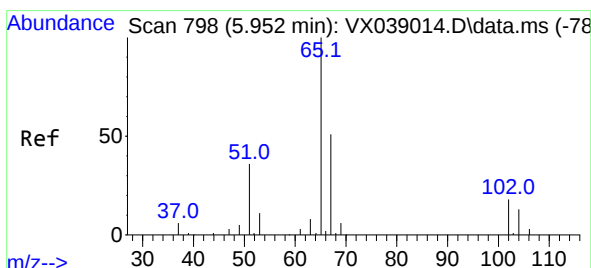
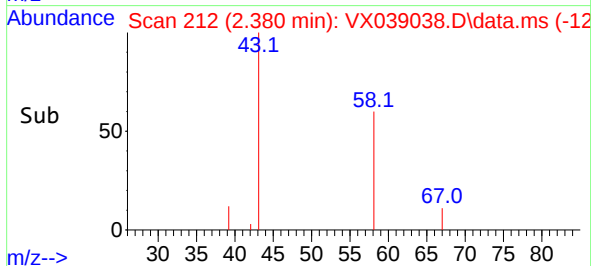
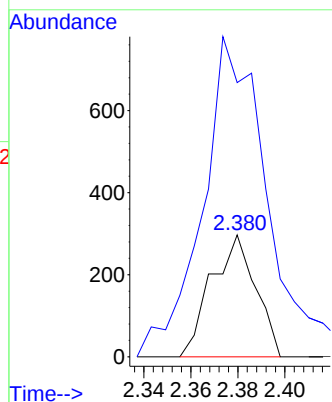
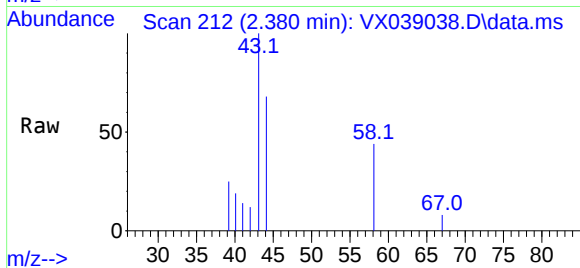
ClientSampleId :

Tgt Ion: 58 Resp: 388

Ion Ratio Lower Upper

58 100

43 174.4 249.9 374.9#



#27

1,2-Dichloroethane-d4

Concen: 32.611 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX039038.D

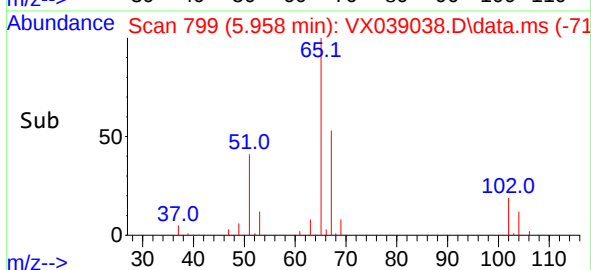
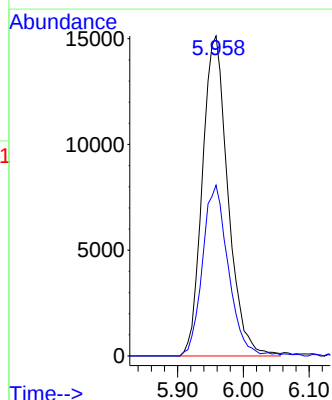
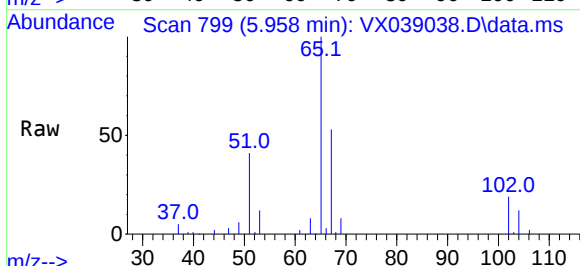
Acq: 27 Nov 2023 13:55

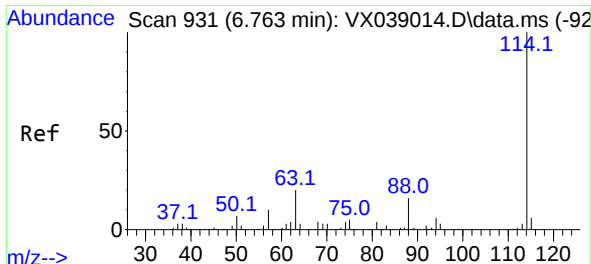
Tgt Ion: 65 Resp: 40866

Ion Ratio Lower Upper

65 100

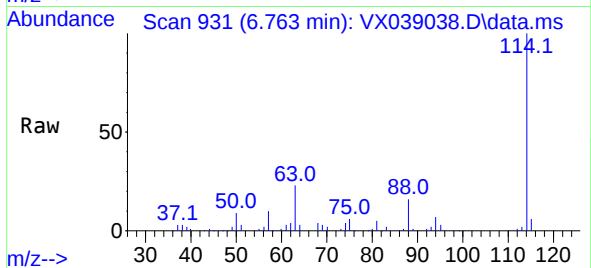
67 53.4 42.5 63.7



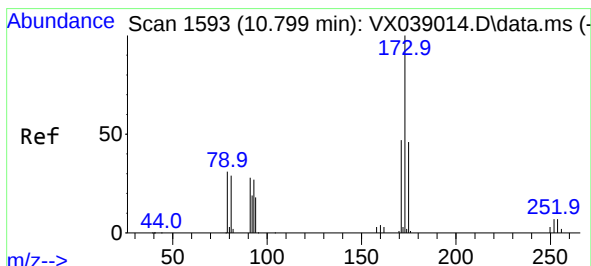
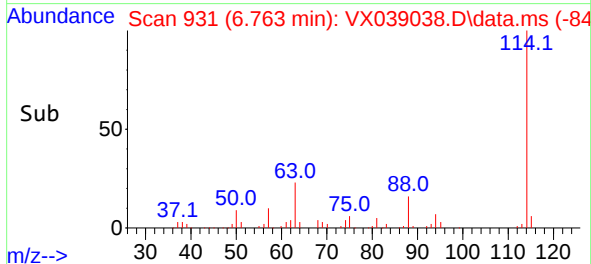
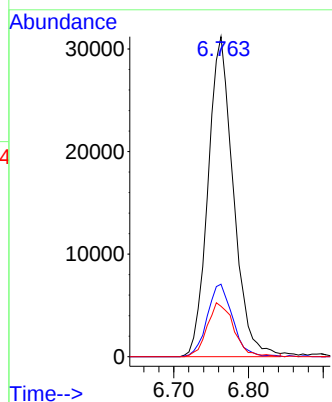


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039038.D
Acq: 27 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

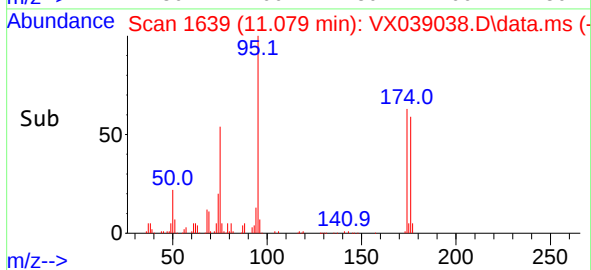
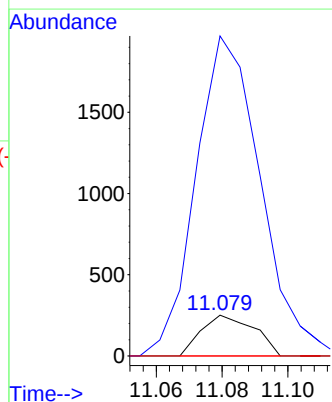
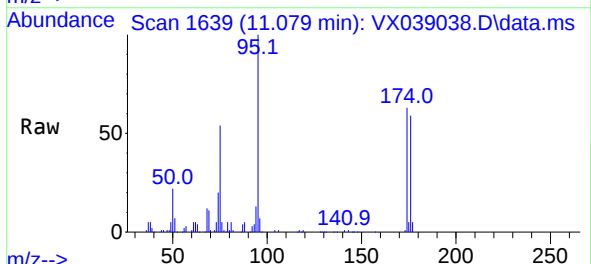


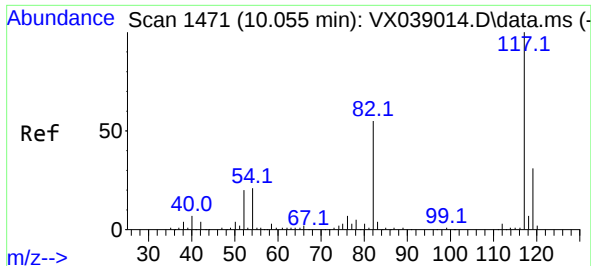
Tgt Ion:114 Resp: 73490
Ion Ratio Lower Upper
114 100
63 22.5 17.0 25.4
88 17.4 12.7 19.1



#56
Bromoform
Concen: 0.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX039038.D
Acq: 27 Nov 2023 13:55

Tgt Ion:173 Resp: 280
Ion Ratio Lower Upper
173 100
175 960.0 37.6 56.4#
254 0.0 5.8 8.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039038.D

Acq: 27 Nov 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

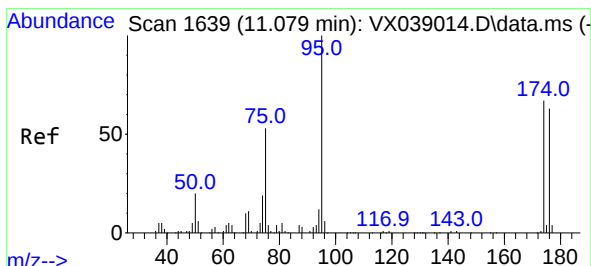
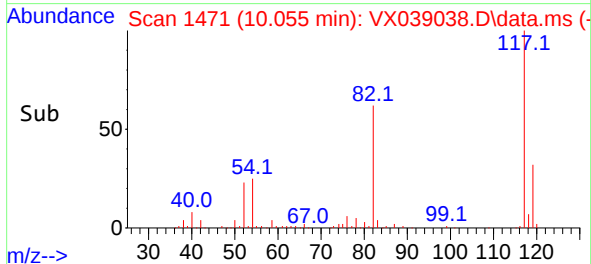
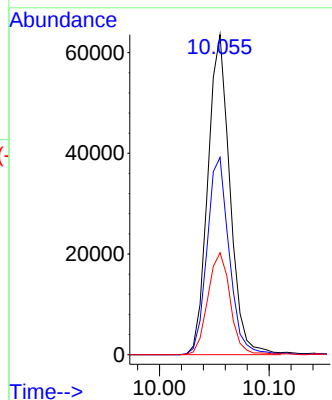
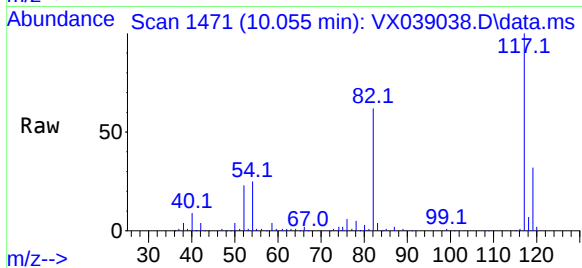
Tgt Ion:117 Resp: 88933

Ion Ratio Lower Upper

117 100

82 61.8 47.0 70.6

119 32.1 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 29.141 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039038.D

Acq: 27 Nov 2023 13:55

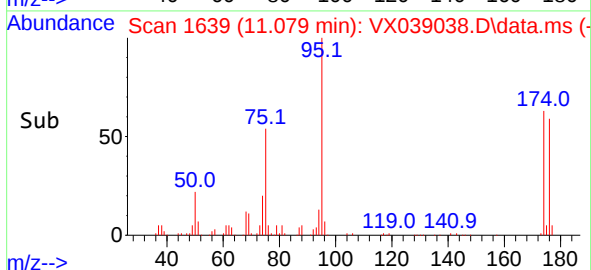
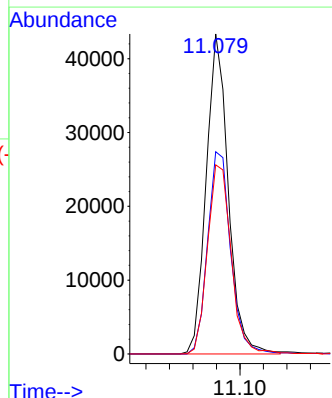
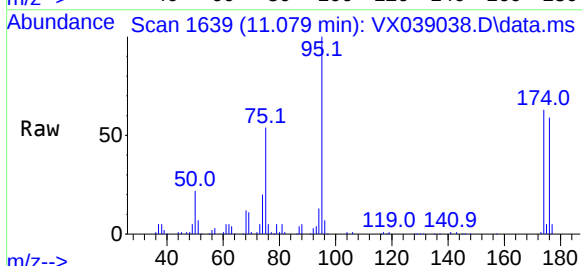
Tgt Ion: 95 Resp: 56606

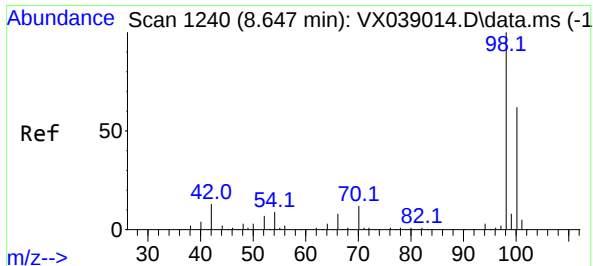
Ion Ratio Lower Upper

95 100

174 66.1 55.4 83.2

176 62.3 52.6 78.8

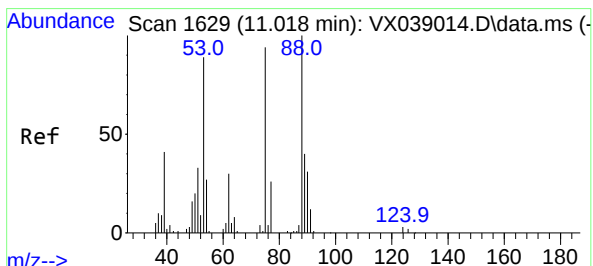
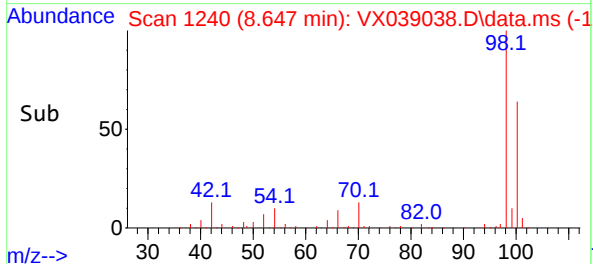
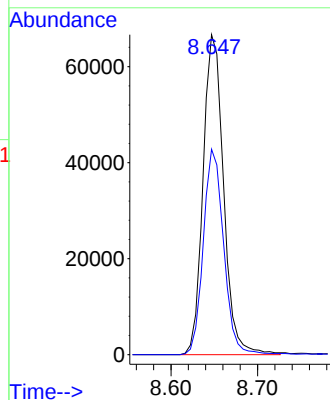
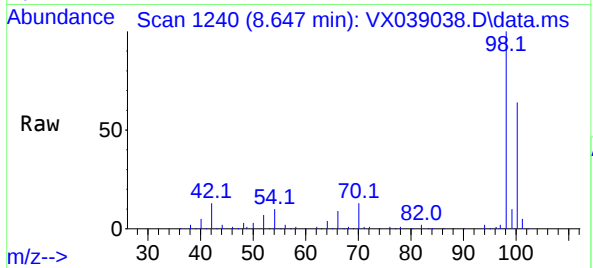




#63
Toluene-d8
Concen: 31.222 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039038.D
Acq: 27 Nov 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 109781
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 36.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039038.D
Acq: 27 Nov 2023 13:55

Tgt Ion: 75 Resp: 31408
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

