

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039041.D
 Acq On : 27 Nov 2023 15:23
 Operator : JC/MD
 Sample : 05525-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 01:13:13 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)

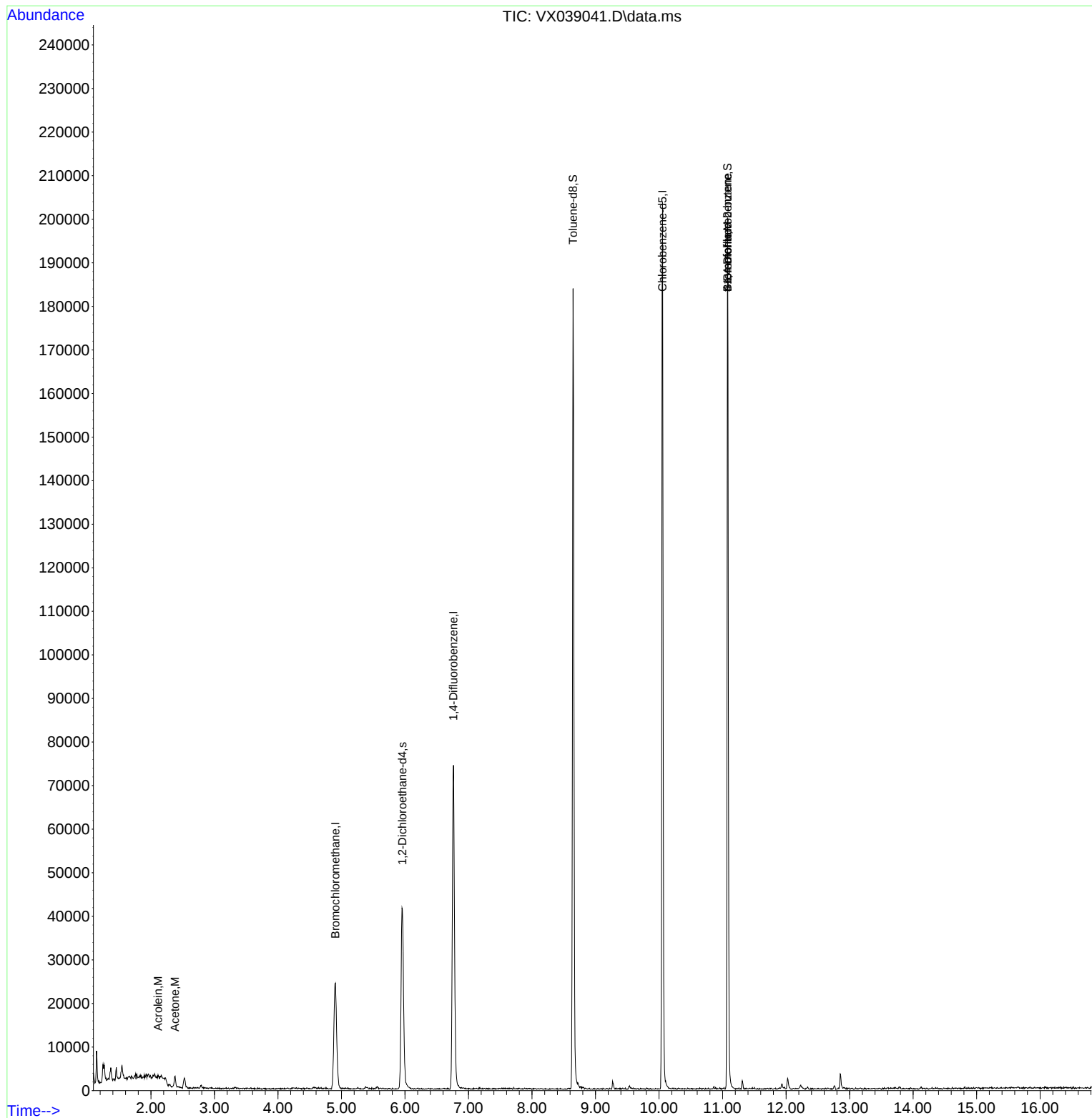
Internal Standards						
1) Bromochloromethane	4.904	128	9355	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	70898	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88526	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	40559	31.691	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.633%
60) 4-Bromofluorobenzene	11.079	95	56170	29.050	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.833%
63) Toluene-d8	8.647	98	106682	30.480	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.600%
Target Compounds						
					Qvalue	
13) Acrolein	2.111	56	87	0.250	ug/l	92
15) Acetone	2.380	58	803	2.276	ug/l #	50
56) Bromoform	11.079	173	243	0.214	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30346	35.372	ug/l #	12

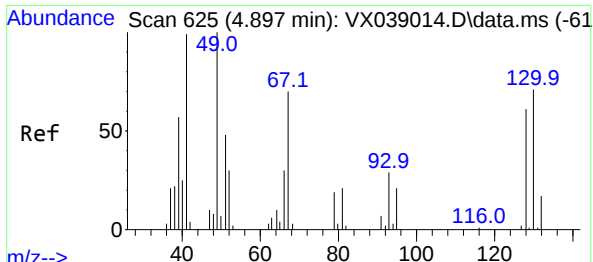
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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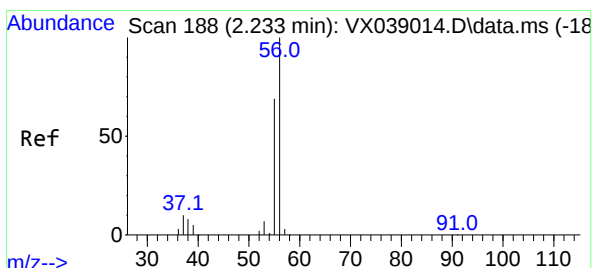
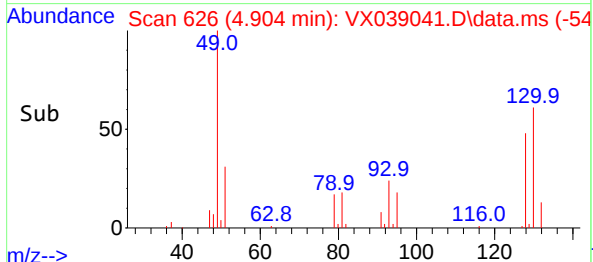
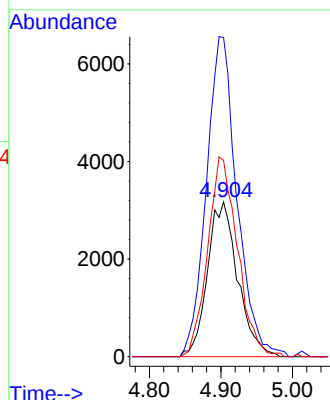
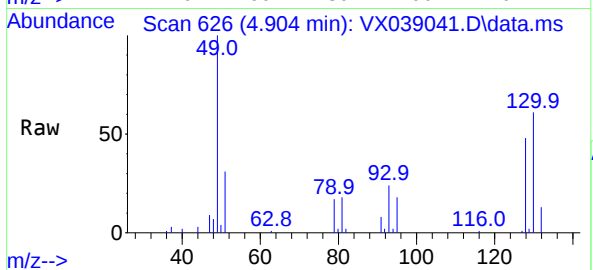




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

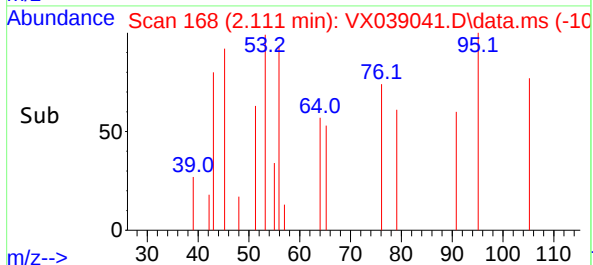
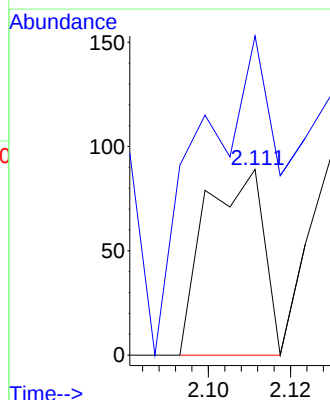
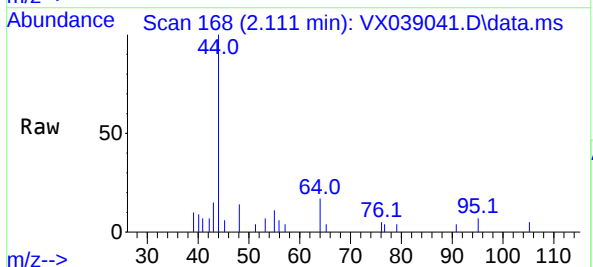
Instrument :
MSVOA_X
ClientSampleId :

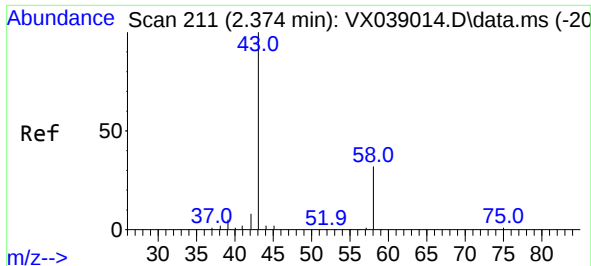
Tgt Ion:128 Resp: 9355
Ion Ratio Lower Upper
128 100
49 208.2 0.0 444.0
130 126.4 0.0 297.8



#13
Acrolein
Concen: 0.250 ug/l
RT: 2.111 min Scan# 168
Delta R.T. -0.122 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 78.2 57.2 85.8





#15

Acetone

Concen: 2.276 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX039041.D

Acq: 27 Nov 2023 15:23

Instrument :

MSVOA_X

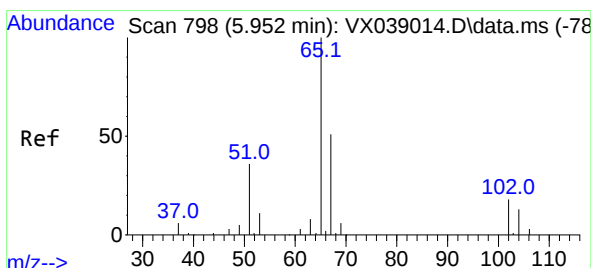
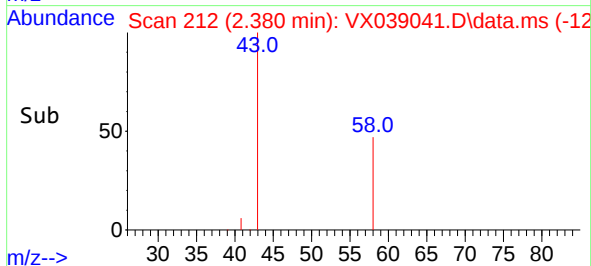
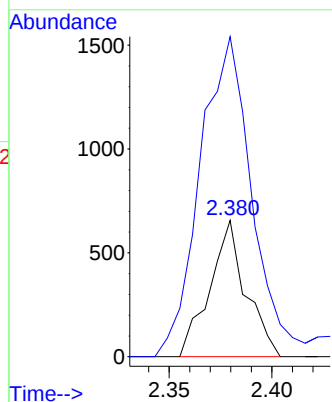
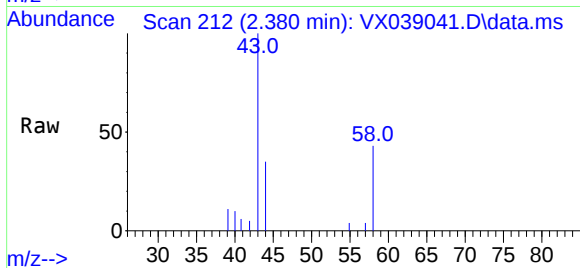
ClientSampleId :

Tgt Ion: 58 Resp: 803

Ion Ratio Lower Upper

58 100

43 210.8 249.9 374.9#



#27

1,2-Dichloroethane-d4

Concen: 31.691 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX039041.D

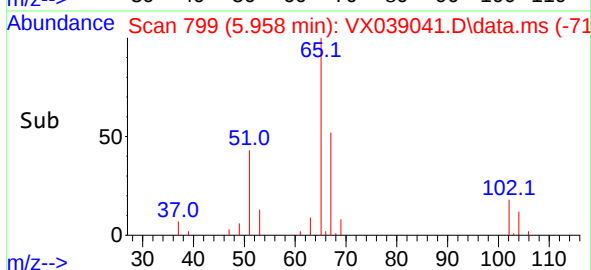
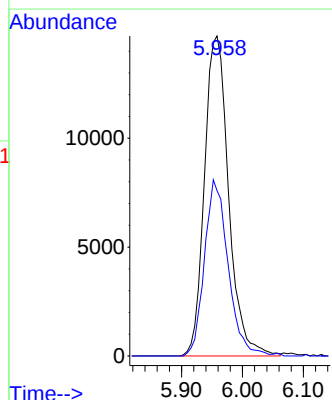
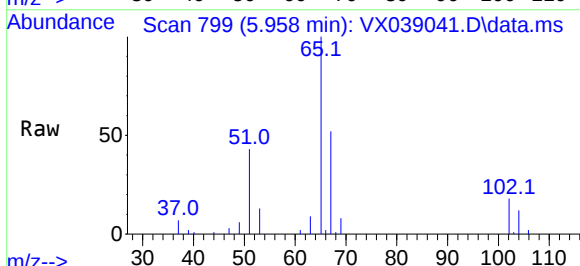
Acq: 27 Nov 2023 15:23

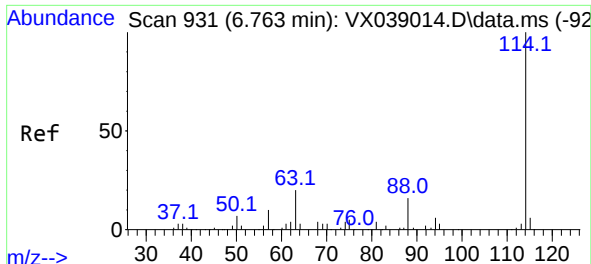
Tgt Ion: 65 Resp: 40559

Ion Ratio Lower Upper

65 100

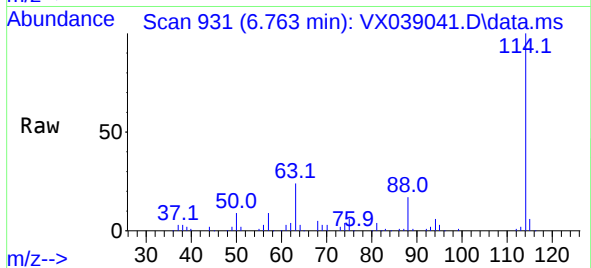
67 53.7 42.5 63.7



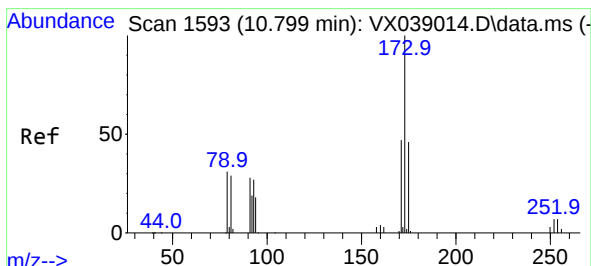
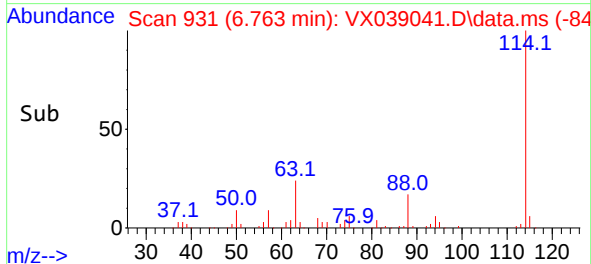
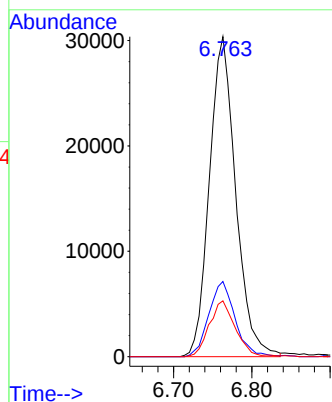


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

Instrument :
MSVOA_X
ClientSampleId :

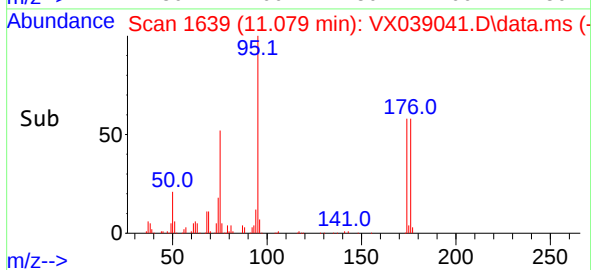
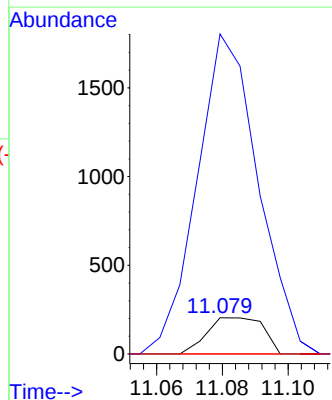
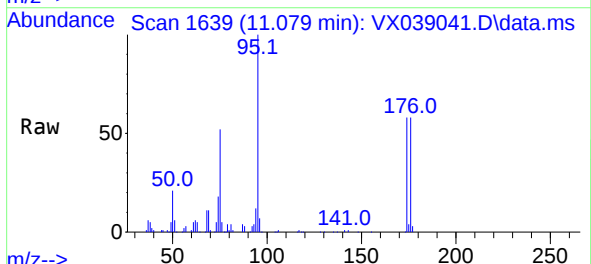


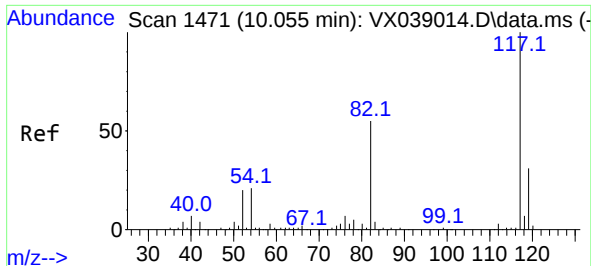
Tgt Ion:114 Resp: 70898
Ion Ratio Lower Upper
114 100
63 23.5 17.0 25.4
88 17.0 12.7 19.1



#56
Bromoform
Concen: 0.214 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

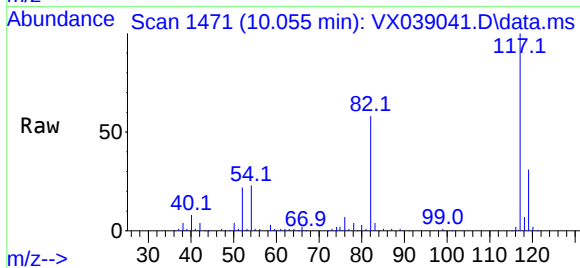
Tgt Ion:173 Resp: 243
Ion Ratio Lower Upper
173 100
175 960.9 37.6 56.4#
254 0.0 5.8 8.8#



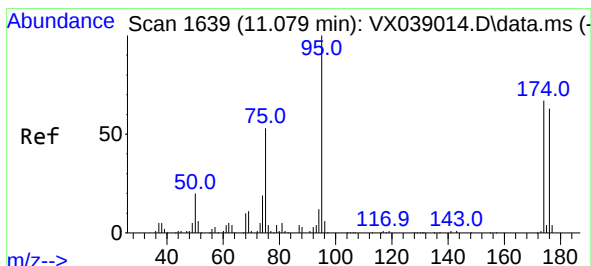
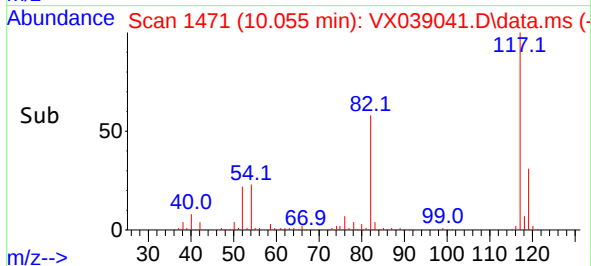
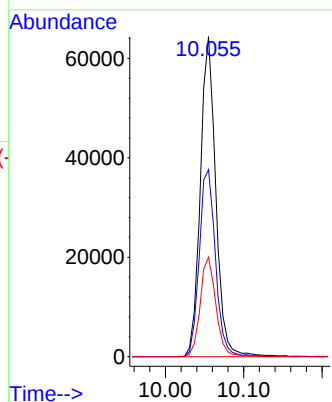


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

Instrument :
MSVOA_X
ClientSampleId :

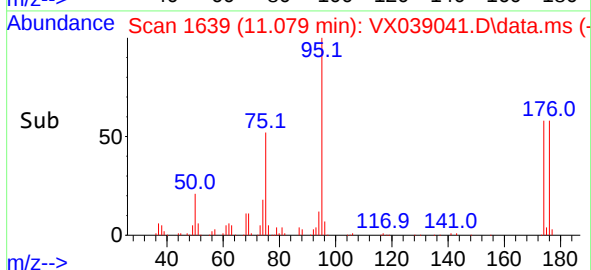
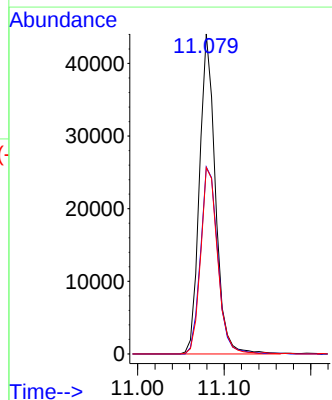
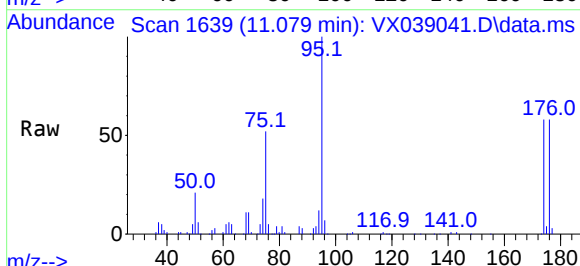


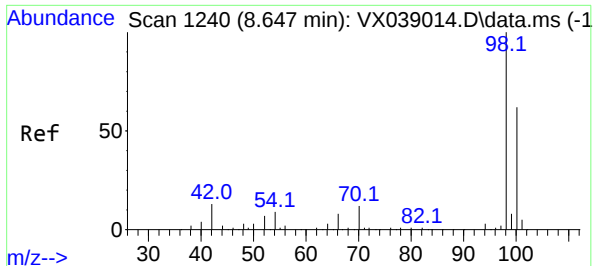
Tgt Ion:117 Resp: 88526
Ion Ratio Lower Upper
117 100
82 61.5 47.0 70.6
119 31.5 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 29.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

Tgt Ion: 95 Resp: 56170
Ion Ratio Lower Upper
95 100
174 63.4 55.4 83.2
176 61.9 52.6 78.8

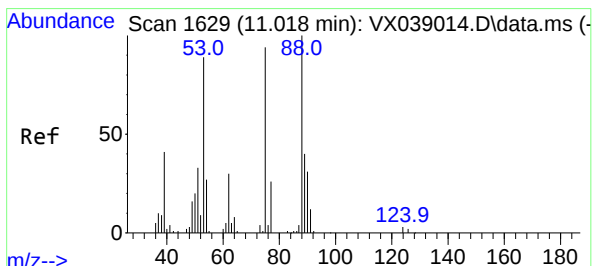
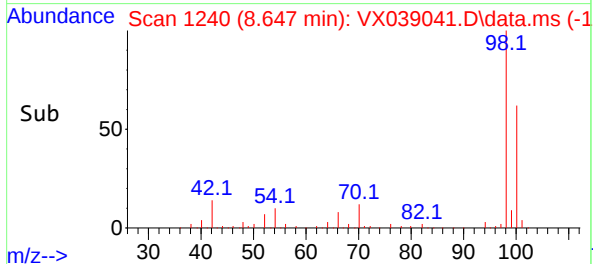
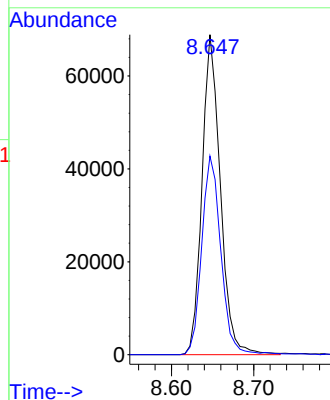
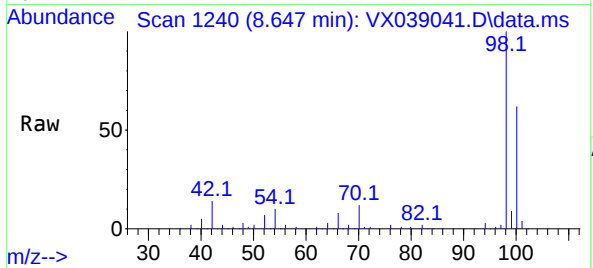




#63
Toluene-d8
Concen: 30.480 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 106682
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 35.372 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039041.D
Acq: 27 Nov 2023 15:23

Tgt Ion: 75 Resp: 30346
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

