

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039040.D
 Acq On : 27 Nov 2023 15:00
 Operator : JC/MD
 Sample : 05525-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 01:13:04 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)

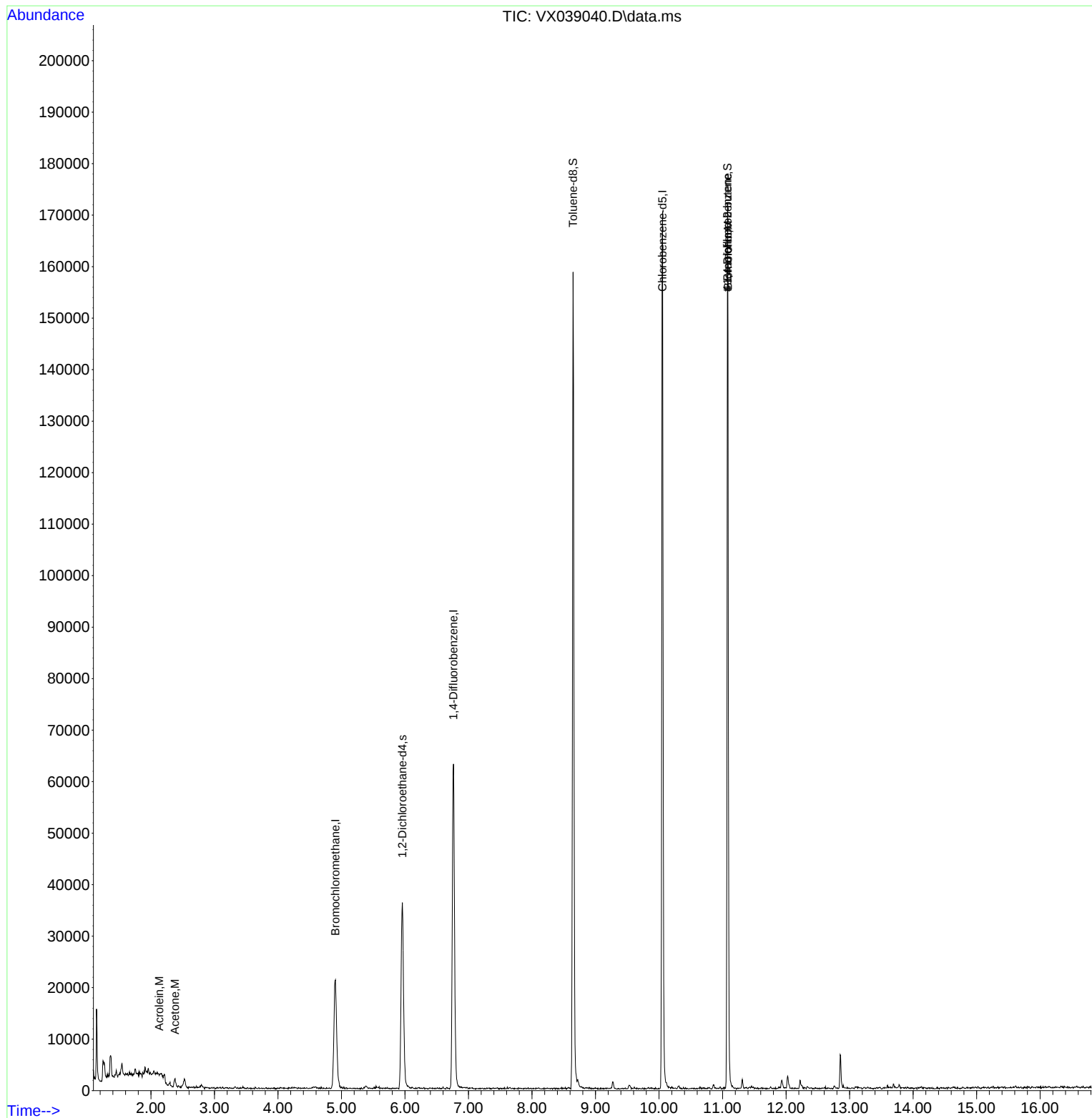
Internal Standards						
1) Bromochloromethane	4.903	128	8084	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	63921	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	76507	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	34939	31.592	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.300%
60) 4-Bromofluorobenzene	11.079	95	48329	28.921	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.400%
63) Toluene-d8	8.647	98	93648	30.960	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.200%
Target Compounds						
					Qvalue	
13) Acrolein	2.130	56	95	0.316	ug/l	91
15) Acetone	2.380	58	492	1.614	ug/l	79
56) Bromoform	11.085	173	288	0.281	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26218	35.361	ug/l #	12

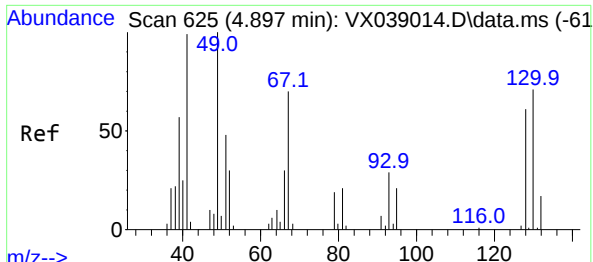
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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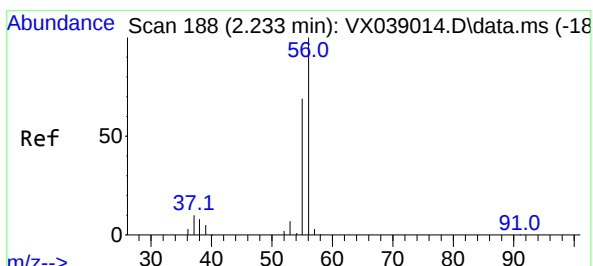
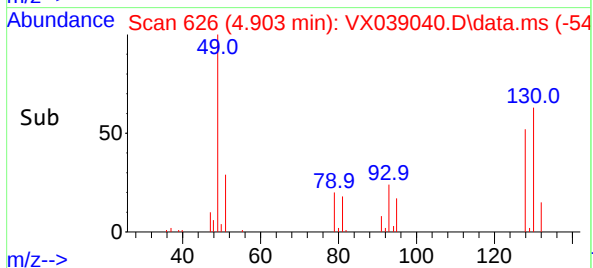
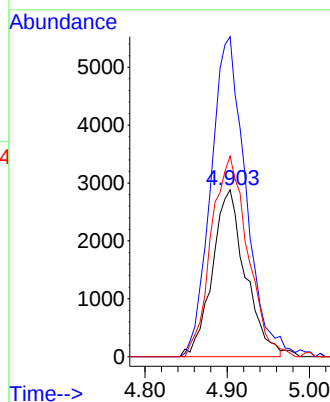
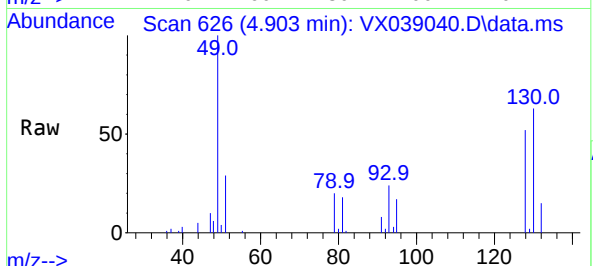




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX039040.D
Acq: 27 Nov 2023 15:00

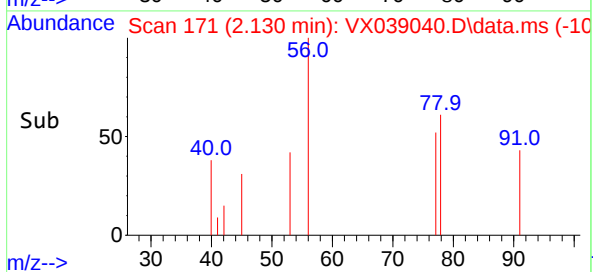
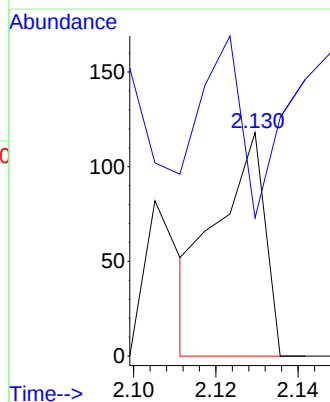
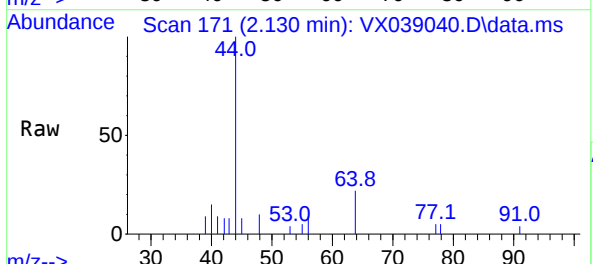
Instrument :
MSVOA_X
ClientSampleId :

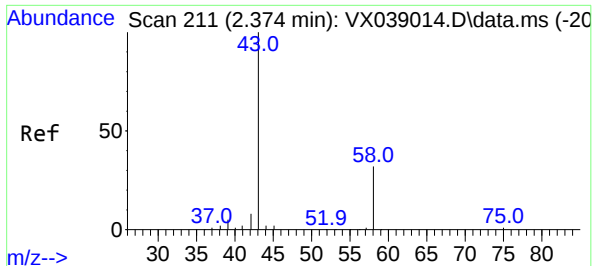
Tgt Ion:128 Resp: 8084
Ion Ratio Lower Upper
128 100
49 202.0 0.0 444.0
130 132.5 0.0 297.8



#13
Acrolein
Concen: 0.316 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.104 min
Lab File: VX039040.D
Acq: 27 Nov 2023 15:00

Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 64.2 57.2 85.8





#15

Acetone

Concen: 1.614 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX039040.D

Acq: 27 Nov 2023 15:00

Instrument :

MSVOA_X

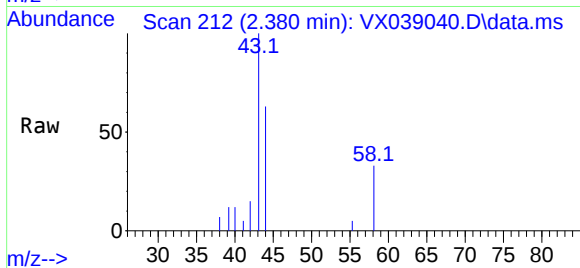
ClientSampleId :

Tgt Ion: 58 Resp: 492

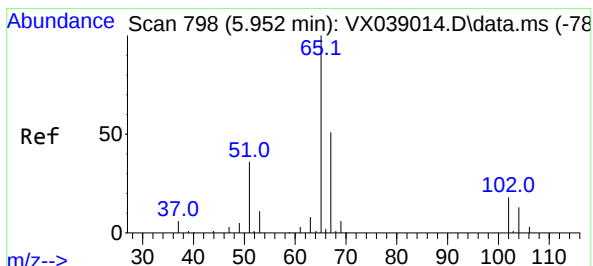
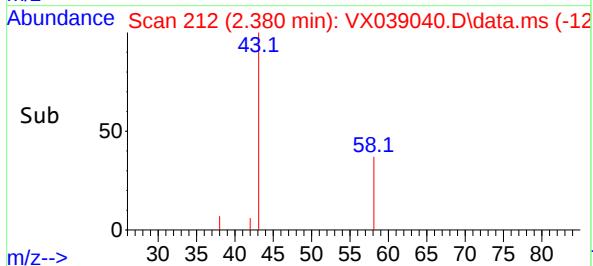
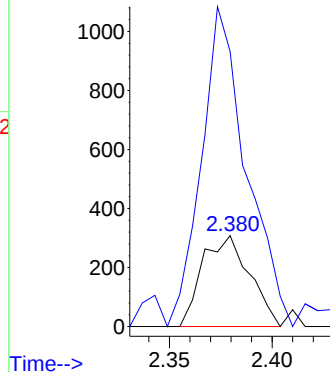
Ion Ratio Lower Upper

58 100

43 269.2 249.9 374.9



Abundance



#27

1,2-Dichloroethane-d4

Concen: 31.592 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX039040.D

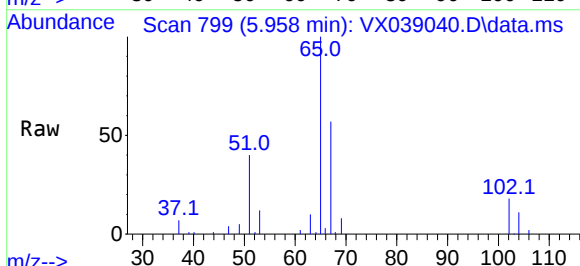
Acq: 27 Nov 2023 15:00

Tgt Ion: 65 Resp: 34939

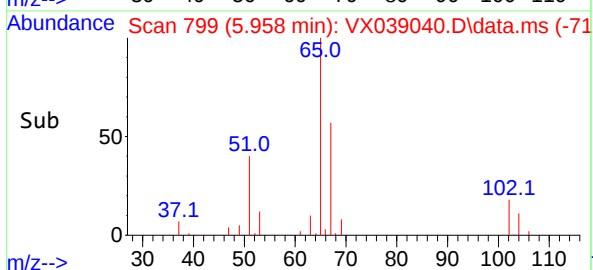
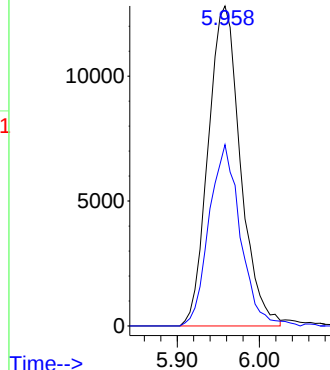
Ion Ratio Lower Upper

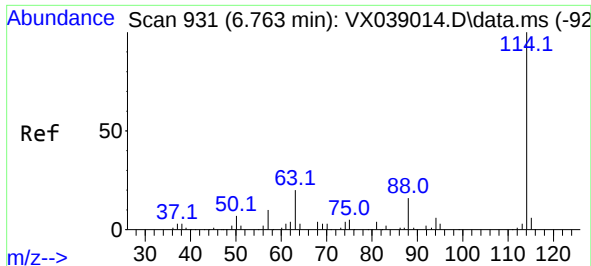
65 100

67 55.1 42.5 63.7



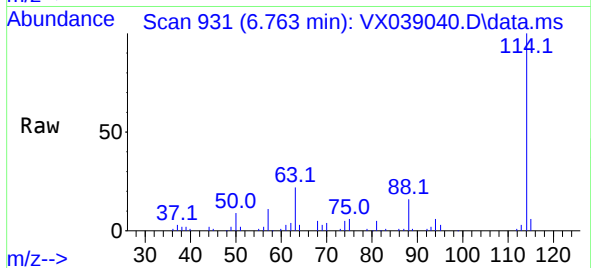
Abundance



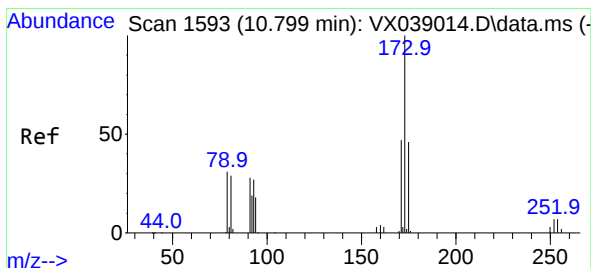
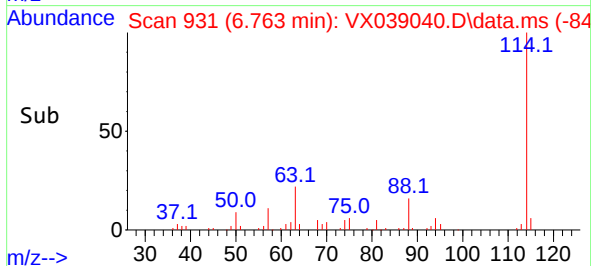
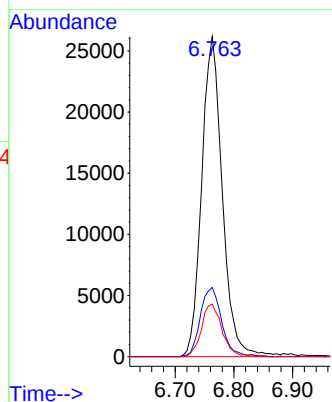


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039040.D
Acq: 27 Nov 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :

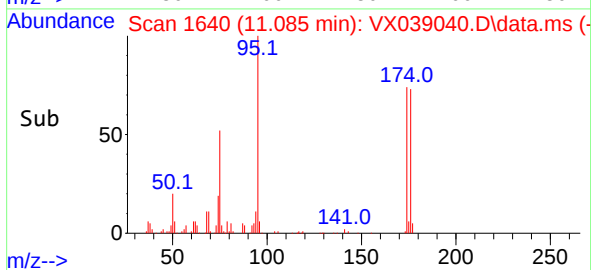
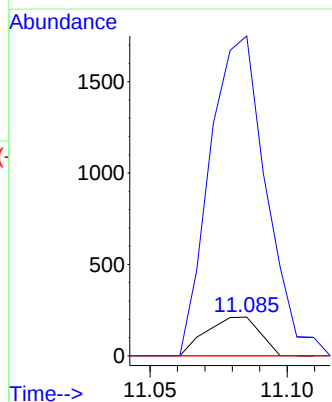
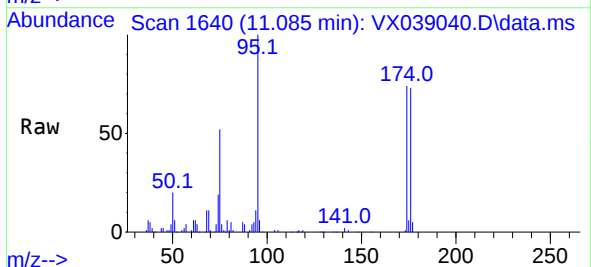


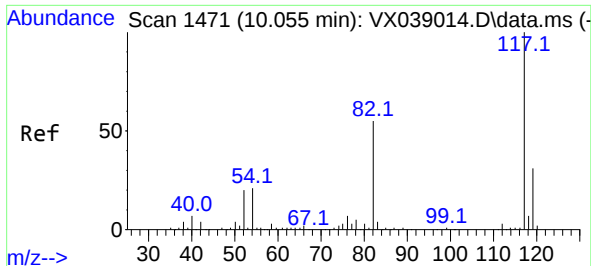
Tgt Ion:114 Resp: 63921
Ion Ratio Lower Upper
114 100
63 22.1 17.0 25.4
88 16.2 12.7 19.1



#56
Bromoform
Concen: 0.281 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX039040.D
Acq: 27 Nov 2023 15:00

Tgt Ion:173 Resp: 288
Ion Ratio Lower Upper
173 100
175 869.1 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: VX039040.D

Acq: 27 Nov 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

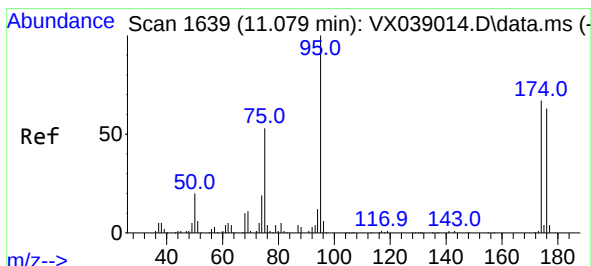
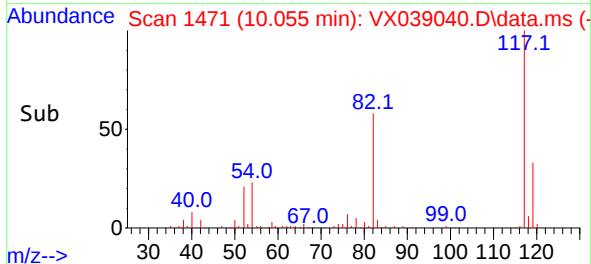
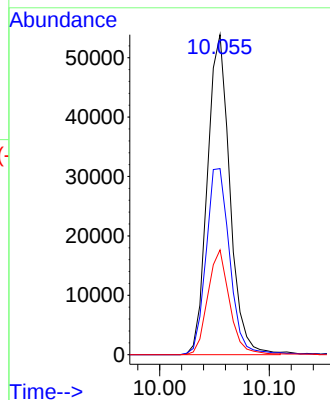
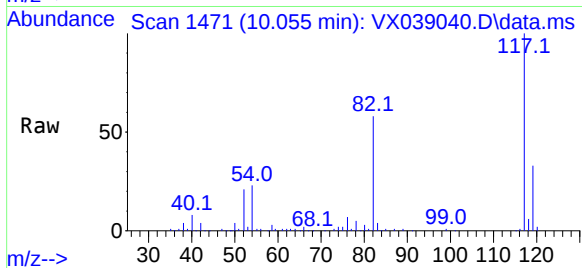
Tgt Ion:117 Resp: 76507

Ion Ratio Lower Upper

117 100

82 61.6 47.0 70.6

119 32.1 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 28.921 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX039040.D

Acq: 27 Nov 2023 15:00

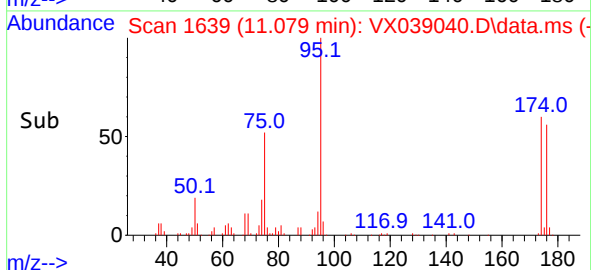
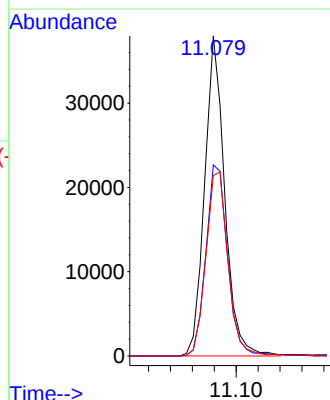
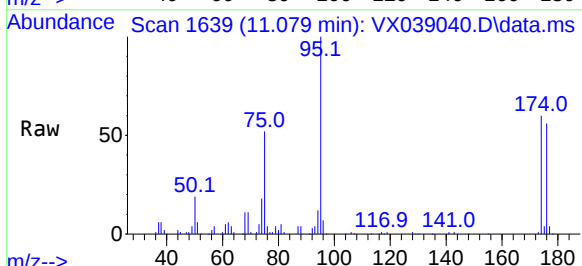
Tgt Ion: 95 Resp: 48329

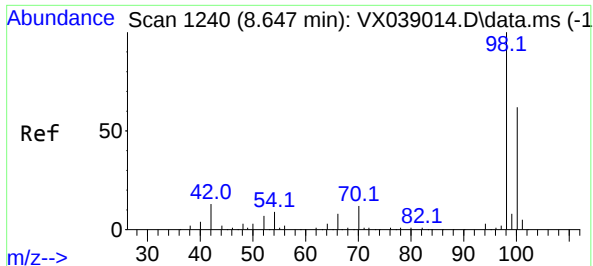
Ion Ratio Lower Upper

95 100

174 63.7 55.4 83.2

176 62.9 52.6 78.8





#63

Toluene-d8

Concen: 30.960 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039040.D

Acq: 27 Nov 2023 15:00

Instrument :

MSVOA_X

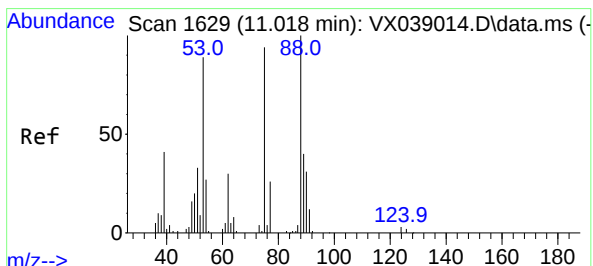
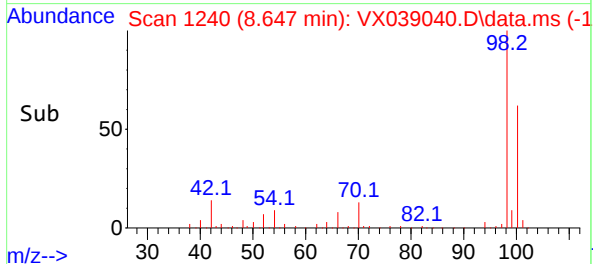
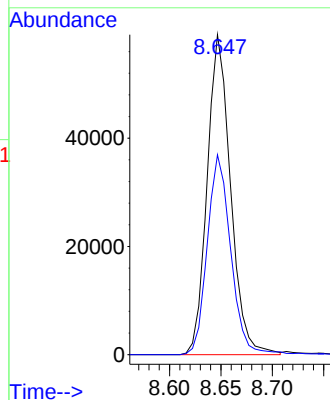
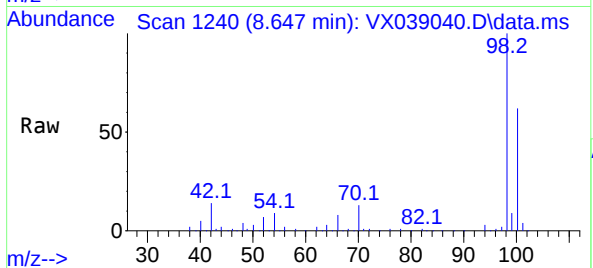
ClientSampleId :

Tgt Ion: 98 Resp: 93648

Ion Ratio Lower Upper

98 100

100 62.6 51.0 76.4



#77

t-1,4-Dichloro-2-butene

Concen: 35.361 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039040.D

Acq: 27 Nov 2023 15:00

Tgt Ion: 75 Resp: 26218

Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.8#

89 0.0 21.3 63.7#

