

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039102.D
 Acq On : 08 Dec 2023 13:37
 Operator : JC/MD
 Sample : 05717-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 08 23:48:14 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)

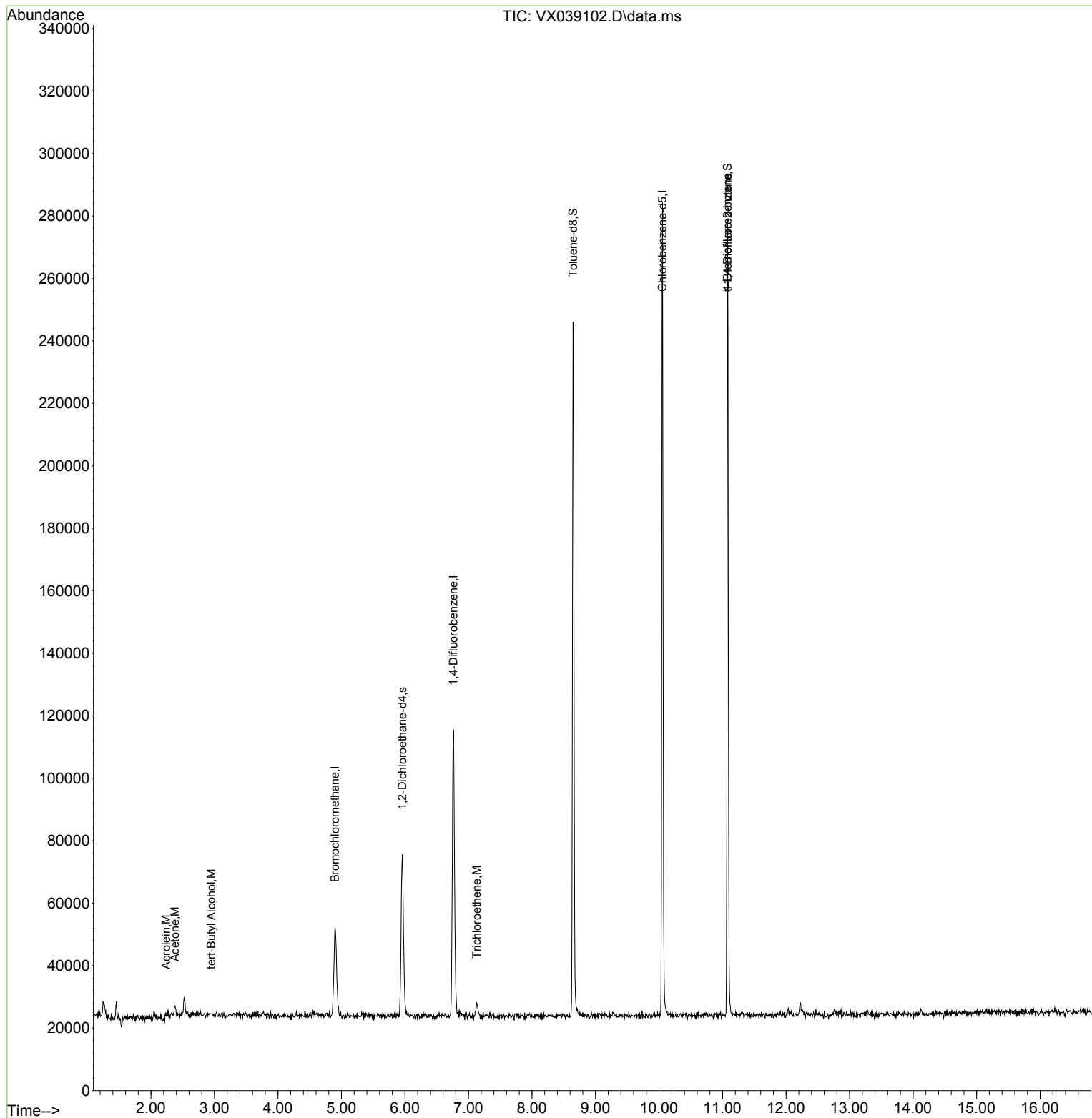
Internal Standards						
1) Bromochloromethane	4.897	128	11077	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	93237	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	114178	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	48030	31.694	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	105.633%	
60) 4-Bromofluorobenzene	11.079	95	73562	29.497	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.333%	
63) Toluene-d8	8.646	98	135274	29.966	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.900%	
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	100	0.243	ug/l #	42
15) Acetone	2.379	58	1073	2.568	ug/l	78
23) tert-Butyl Alcohol	2.946	59	238	0.374	ug/l #	100
37) Trichloroethene	7.128	130	898	0.465	ug/l	86
77) t-1,4-Dichloro-2-butene	11.079	75	37834	34.192	ug/l #	12

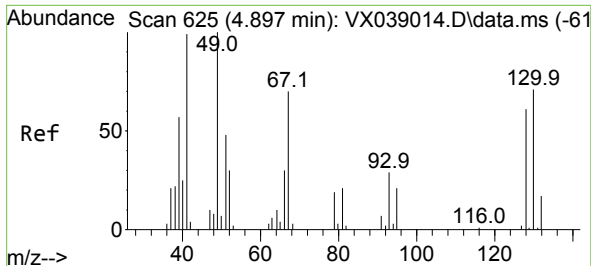
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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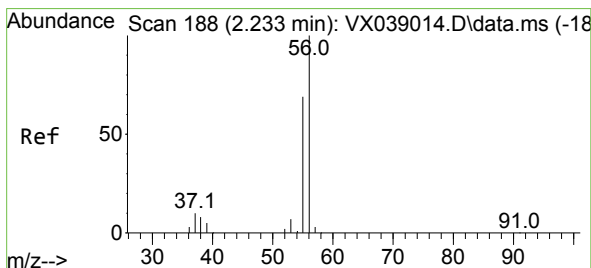
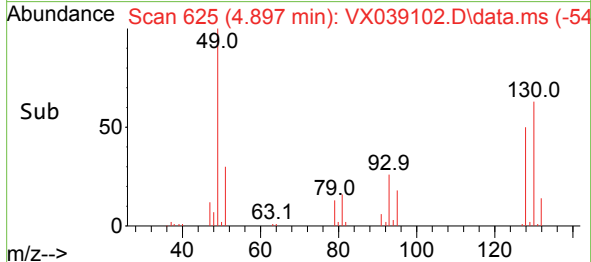
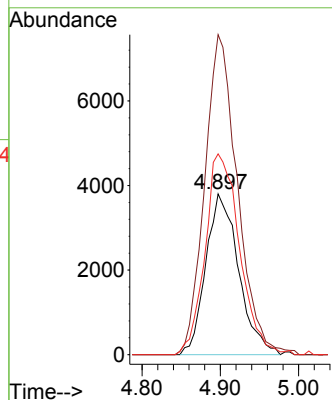
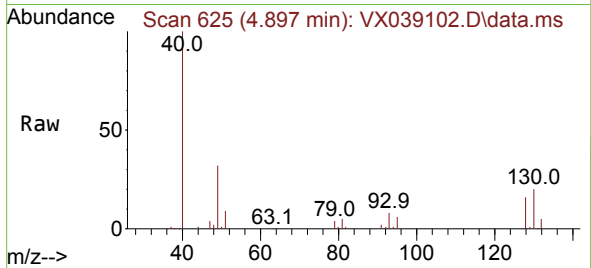




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039102.D
Acq: 08 Dec 2023 13:37

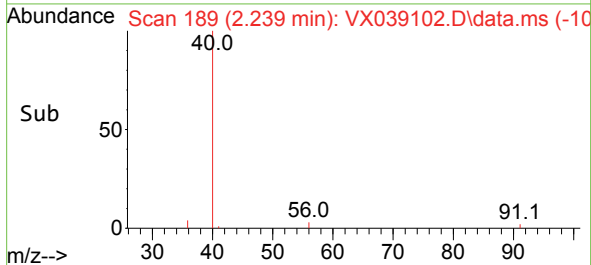
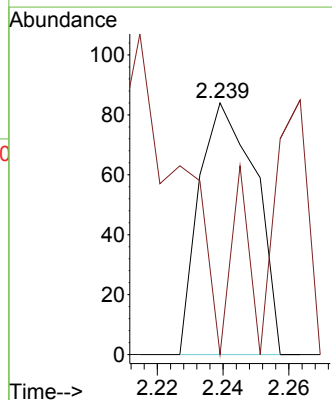
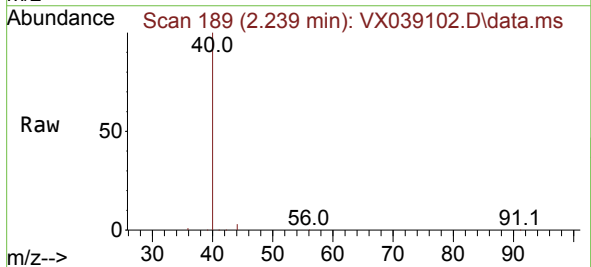
Instrument :
MSVOA_X
ClientSampleId :

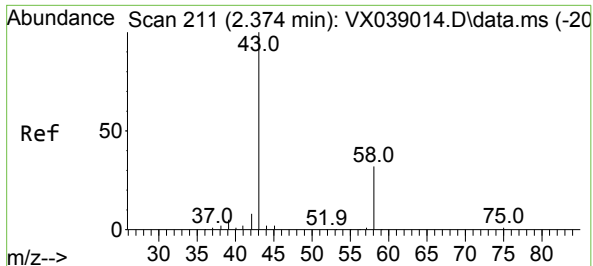
Tgt Ion:128 Resp: 11077
Ion Ratio Lower Upper
128 100
49 198.3 0.0 444.0
130 131.1 0.0 297.8



#13
Acrolein
Concen: 0.243 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX039102.D
Acq: 08 Dec 2023 13:37

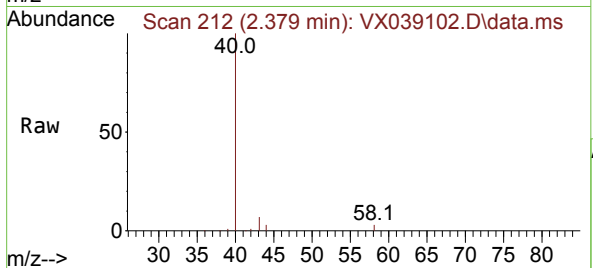
Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 23.0 57.2 85.8#



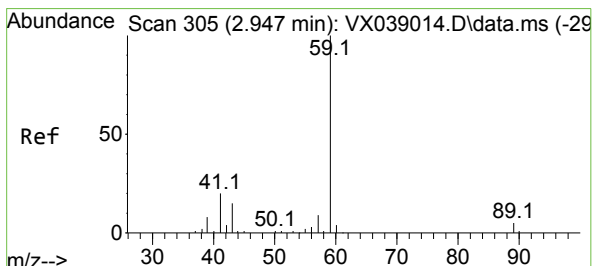
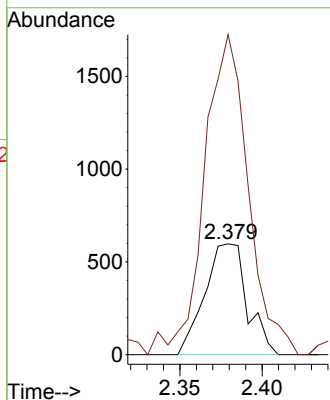
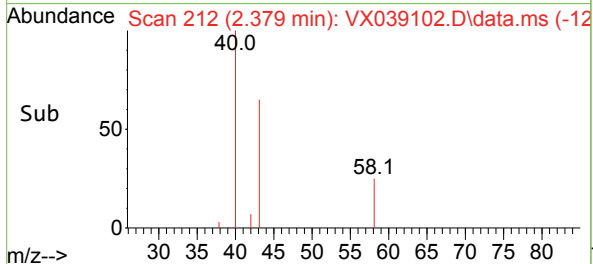


#15
Acetone
Concen: 2.568 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX039102.D
Acq: 08 Dec 2023 13:37

Instrument :
MSVOA_X
ClientSampleId :

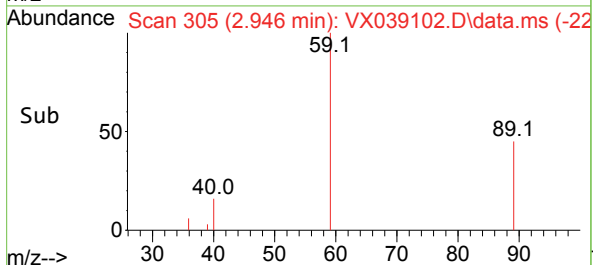
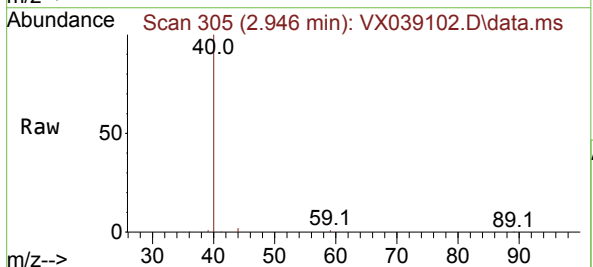


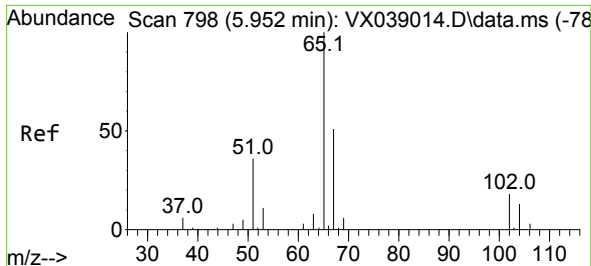
Tgt Ion: 58 Resp: 1073
Ion Ratio Lower Upper
58 100
43 267.7 249.9 374.9



#23
tert-Butyl Alcohol
Concen: 0.374 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.000 min
Lab File: VX039102.D
Acq: 08 Dec 2023 13:37

Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.694 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039102.D

Acq: 08 Dec 2023 13:37

Instrument :

MSVOA_X

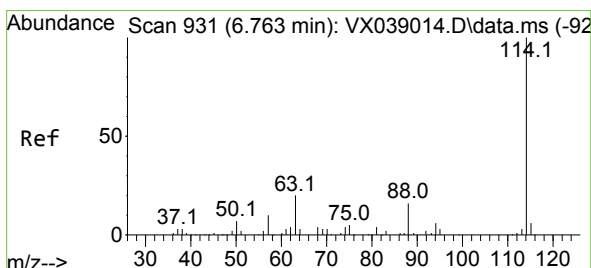
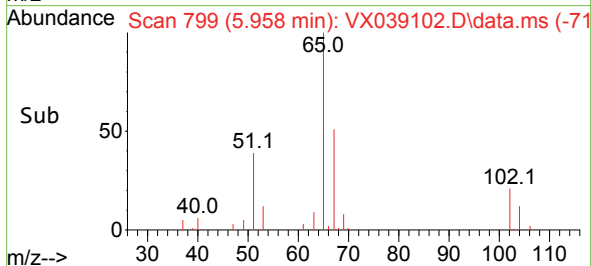
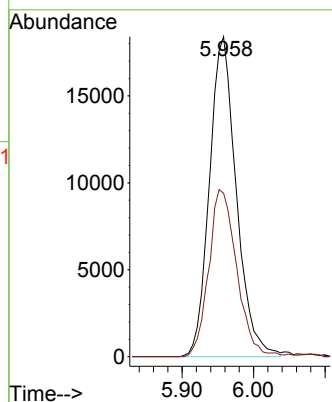
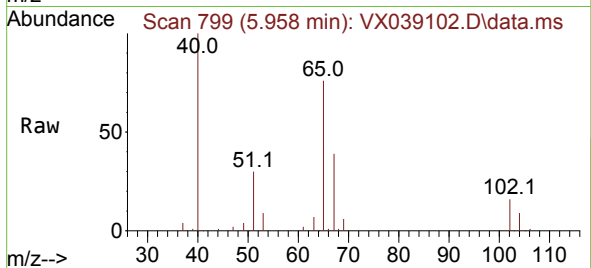
ClientSampleId :

Tgt Ion: 65 Resp: 48030

Ion Ratio Lower Upper

65 100

67 53.9 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX039102.D

Acq: 08 Dec 2023 13:37

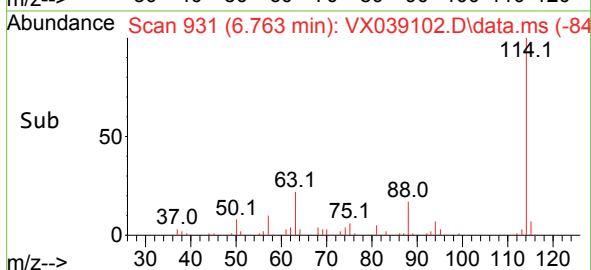
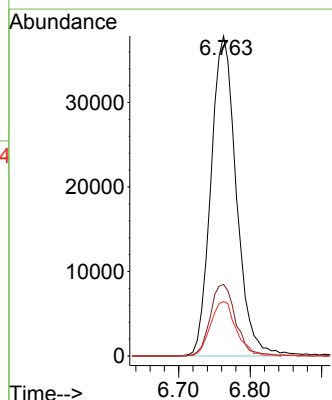
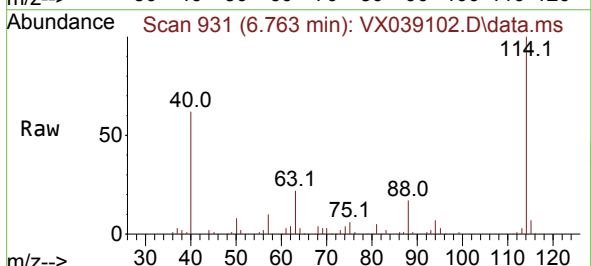
Tgt Ion: 114 Resp: 93237

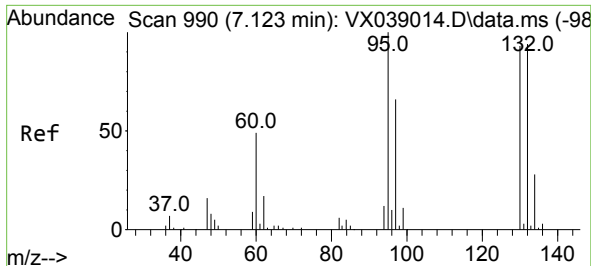
Ion Ratio Lower Upper

114 100

63 22.4 17.0 25.4

88 17.2 12.7 19.1





#37

Trichloroethene

Concen: 0.465 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX039102.D

Acq: 08 Dec 2023 13:37

Instrument :

MSVOA_X

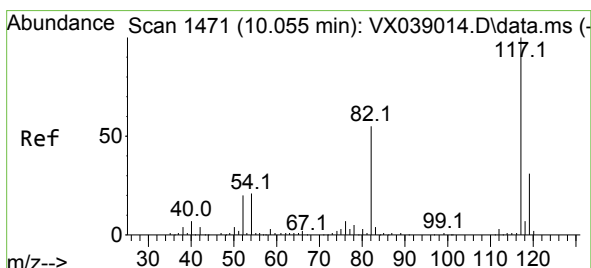
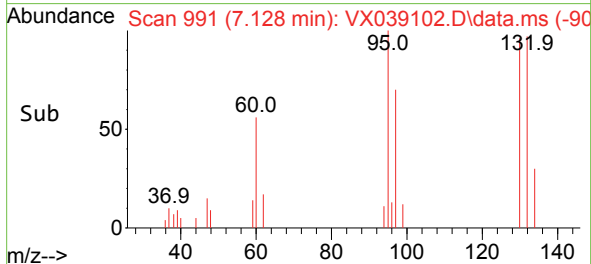
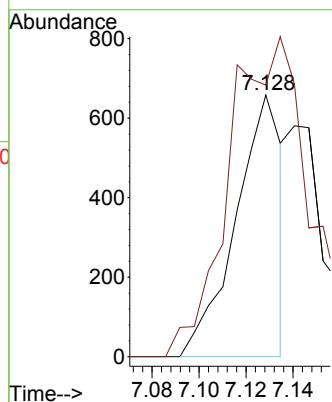
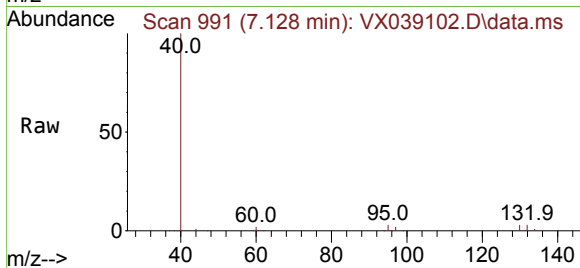
ClientSampleId :

Tgt Ion:130 Resp: 898

Ion Ratio Lower Upper

130 100

95 92.6 85.8 128.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX039102.D

Acq: 08 Dec 2023 13:37

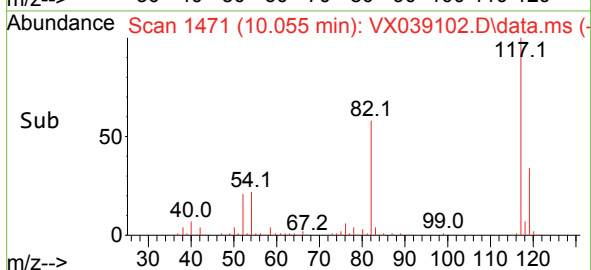
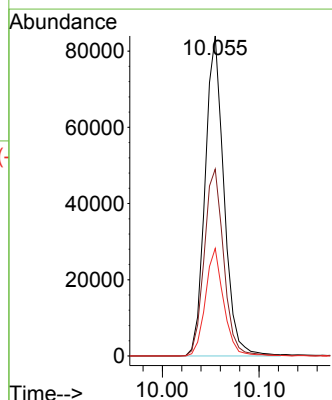
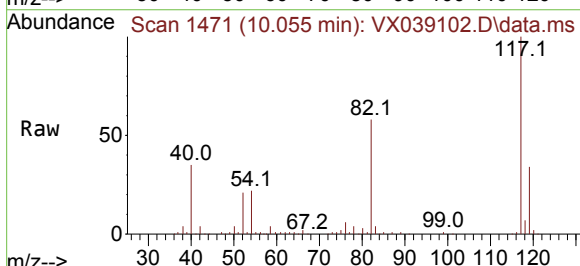
Tgt Ion:117 Resp: 114178

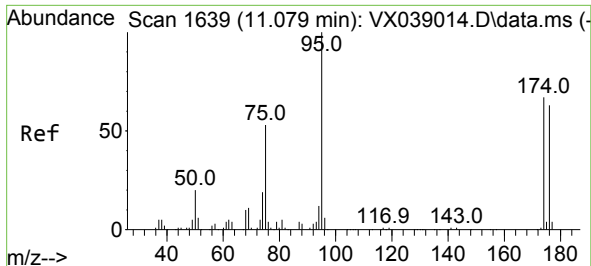
Ion Ratio Lower Upper

117 100

82 60.4 47.0 70.6

119 32.6 25.2 37.8

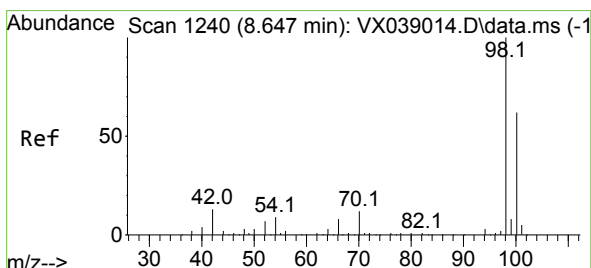
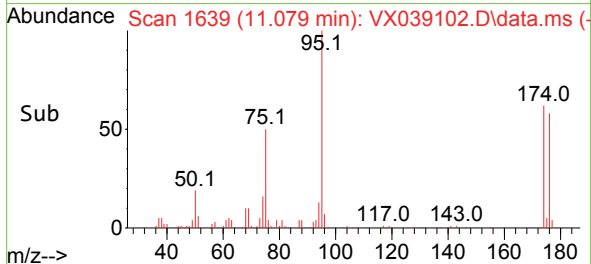
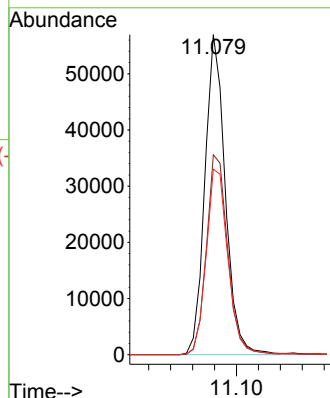
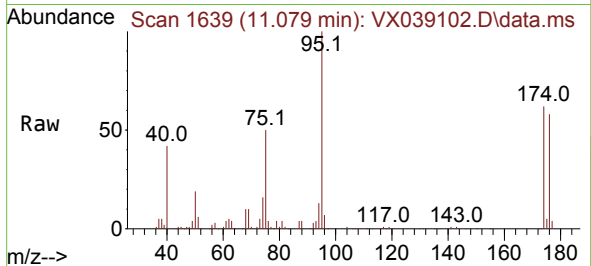




#60
4-Bromofluorobenzene
Concen: 29.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039102.D
Acq: 08 Dec 2023 13:37

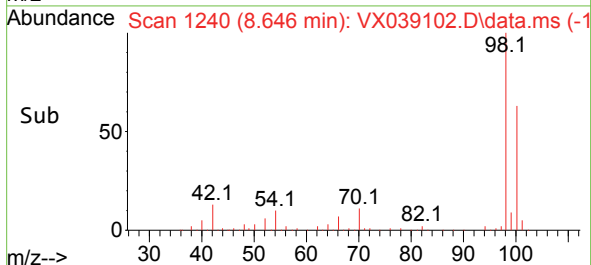
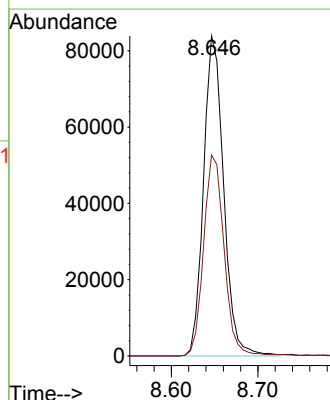
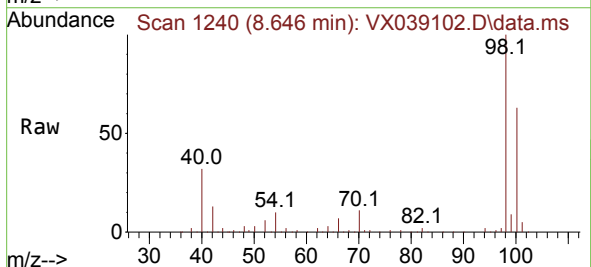
Instrument :
MSVOA_X
ClientSampleId :

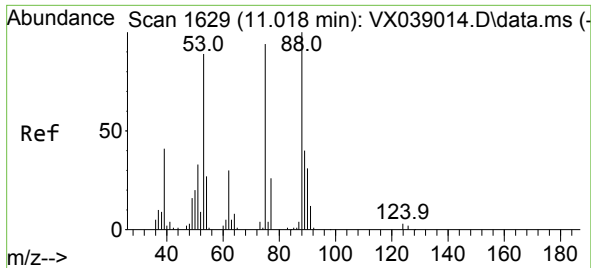
Tgt Ion: 95 Resp: 73562
Ion Ratio Lower Upper
95 100
174 65.3 55.4 83.2
176 61.8 52.6 78.8



#63
Toluene-d8
Concen: 29.966 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039102.D
Acq: 08 Dec 2023 13:37

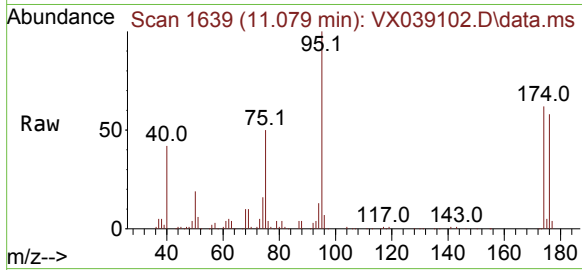
Tgt Ion: 98 Resp: 135274
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.192 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039102.D
 Acq: 08 Dec 2023 13:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 37834
 Ion Ratio Lower Upper
 75 100
 53 0.0 46.9 140.8#
 89 0.0 21.3 63.7#

