

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039099.D
 Acq On : 08 Dec 2023 12:28
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 08 23:47:11 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)

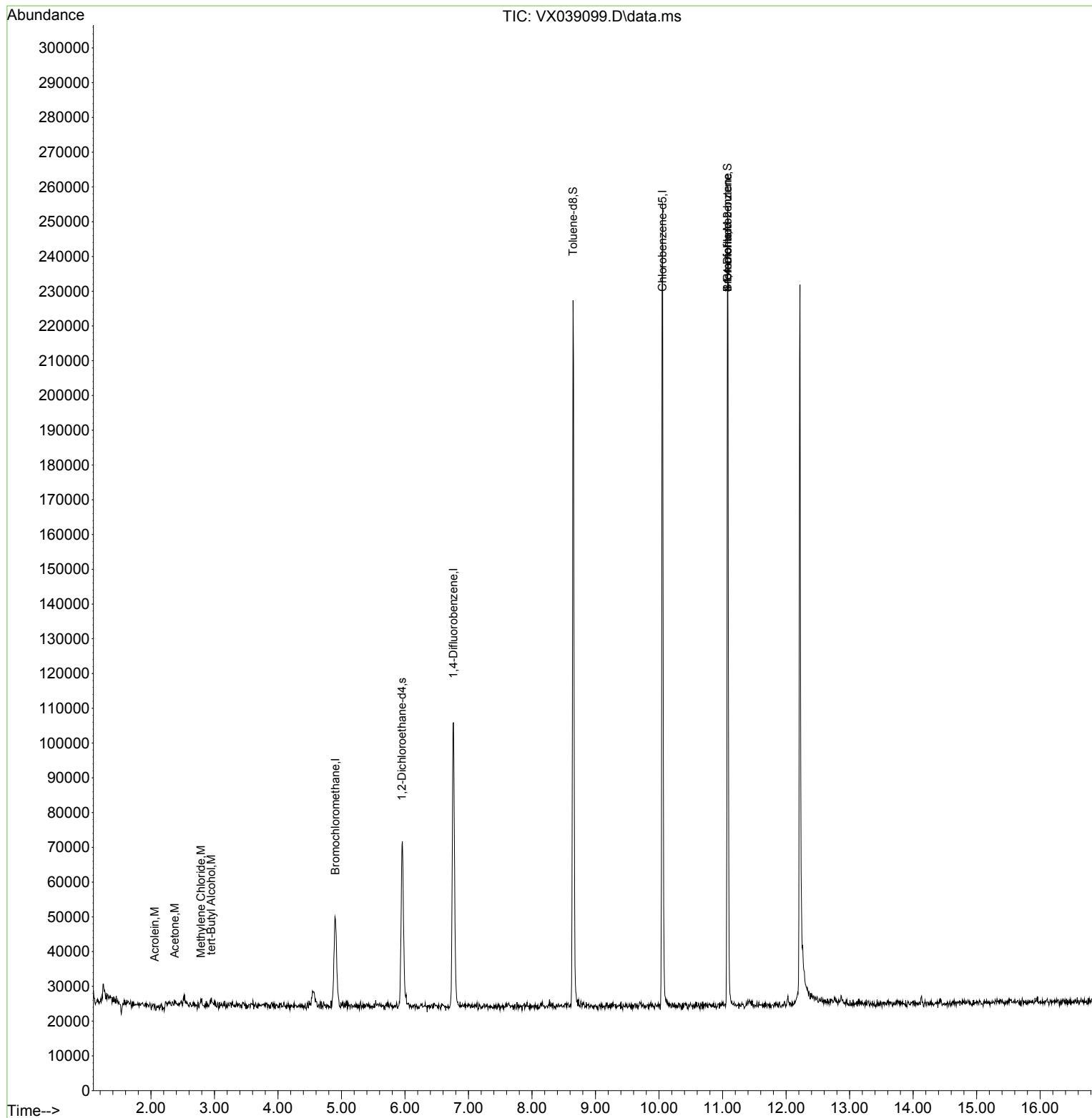
Internal Standards						
1) Bromochloromethane	4.903	128	10333	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	84812	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	103115	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	44527	31.499	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.000%
60) 4-Bromofluorobenzene	11.079	95	66109	29.353	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.833%
63) Toluene-d8	8.646	98	122332	30.007	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.033%
Target Compounds						
					Qvalue	
13) Acrolein	2.056	56	109	0.284	ug/l	96
15) Acetone	2.373	58	179	0.459	ug/l #	24
18) Methylene Chloride	2.788	84	631	0.379	ug/l	92
23) tert-Butyl Alcohol	2.946	59	1132	1.907	ug/l #	100
56) Bromoform	11.079	173	320	0.235	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	34317	34.341	ug/l #	12

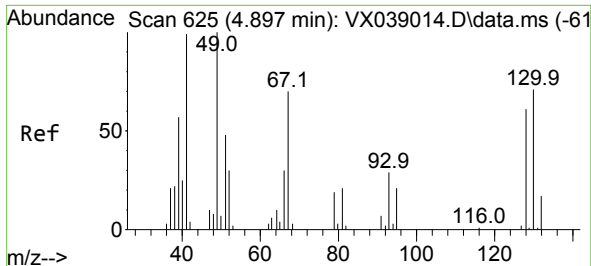
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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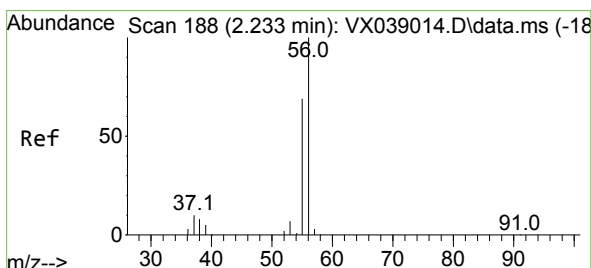
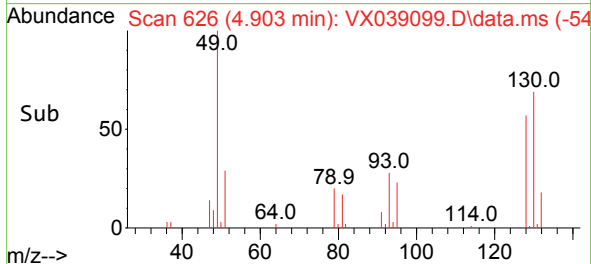
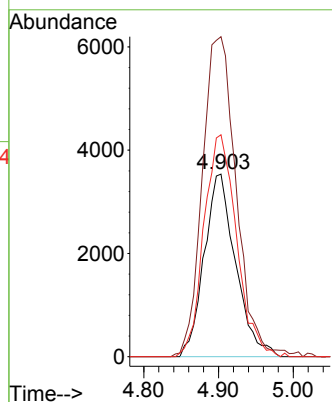
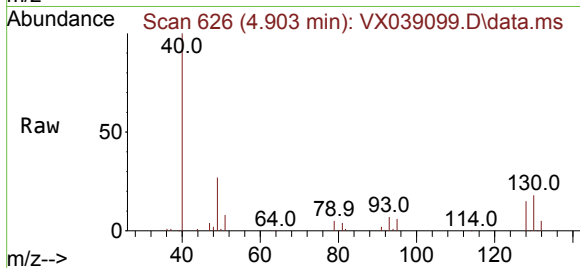




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX039099.D
Acq: 08 Dec 2023 12:28

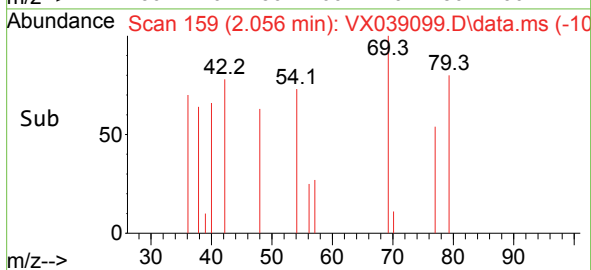
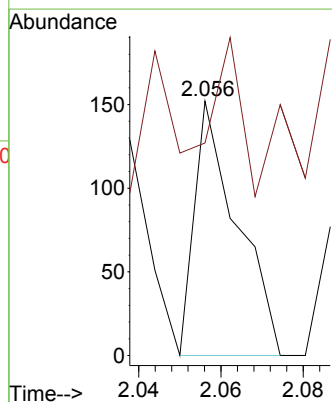
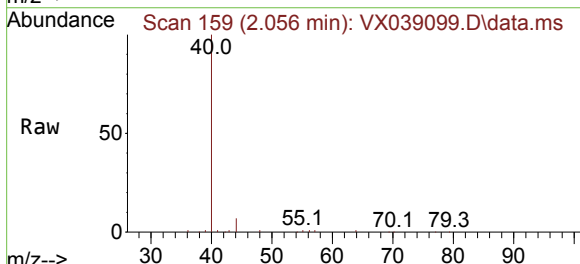
Instrument :
MSVOA_X
ClientSampleId :

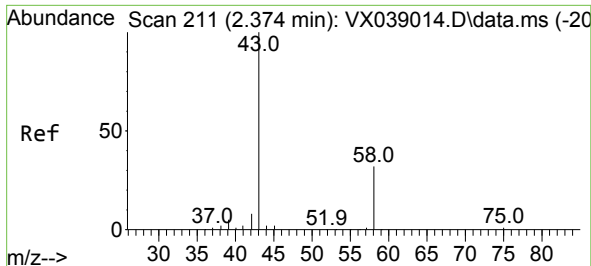
Tgt Ion:128 Resp: 10333
Ion Ratio Lower Upper
128 100
49 187.1 0.0 444.0
130 126.1 0.0 297.8



#13
Acrolein
Concen: 0.284 ug/l
RT: 2.056 min Scan# 159
Delta R.T. -0.177 min
Lab File: VX039099.D
Acq: 08 Dec 2023 12:28

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 67.9 57.2 85.8





#15

Acetone

Concen: 0.459 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039099.D

Acq: 08 Dec 2023 12:28

Instrument :

MSVOA_X

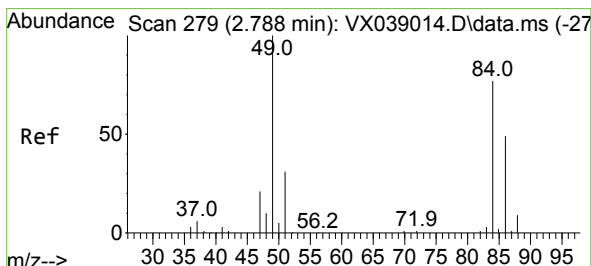
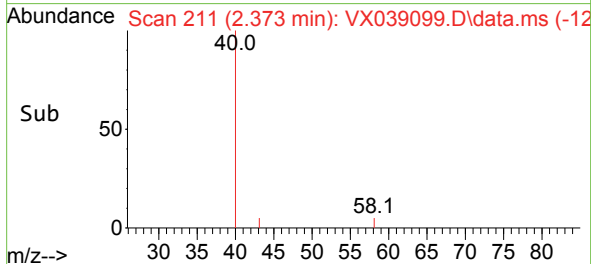
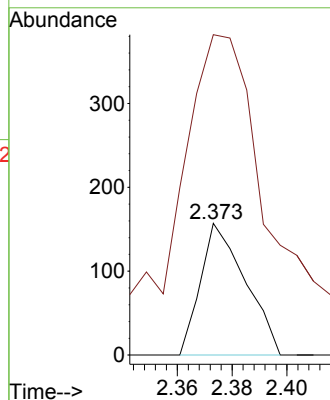
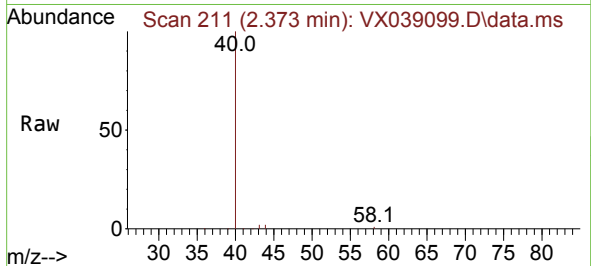
ClientSampleId :

Tgt Ion: 58 Resp: 179

Ion Ratio Lower Upper

58 100

43 159.9 249.9 374.9#



#18

Methylene Chloride

Concen: 0.379 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX039099.D

Acq: 08 Dec 2023 12:28

Tgt Ion: 84 Resp: 631

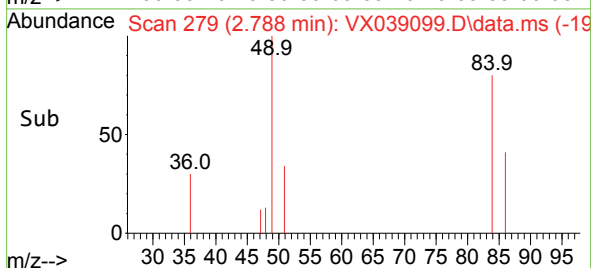
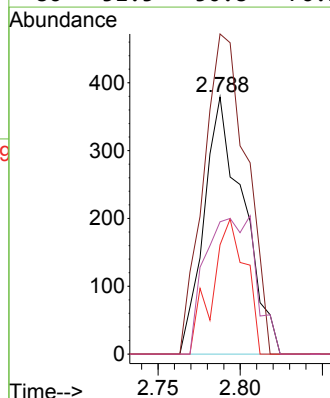
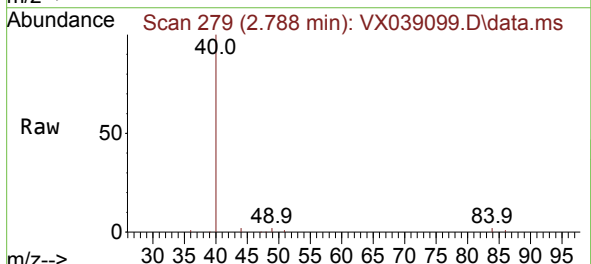
Ion Ratio Lower Upper

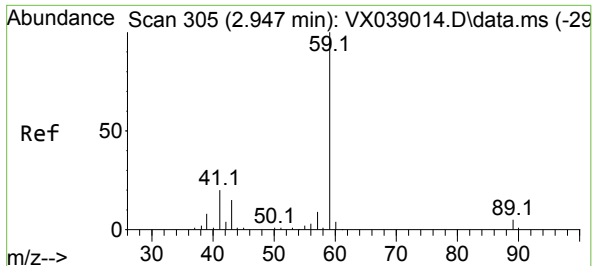
84 100

49 124.5 103.8 155.8

51 42.5 31.8 47.6

86 51.5 50.8 76.2





#23

tert-Butyl Alcohol

Concen: 1.907 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.000 min

Lab File: VX039099.D

Acq: 08 Dec 2023 12:28

Instrument :

MSVOA_X

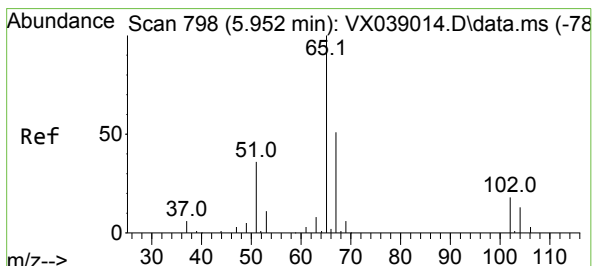
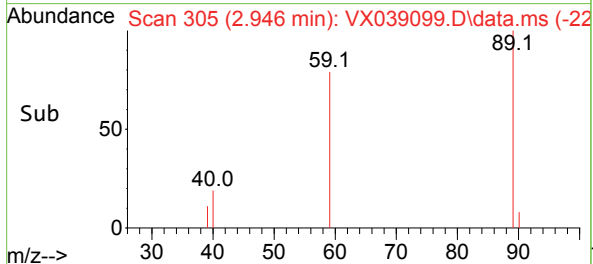
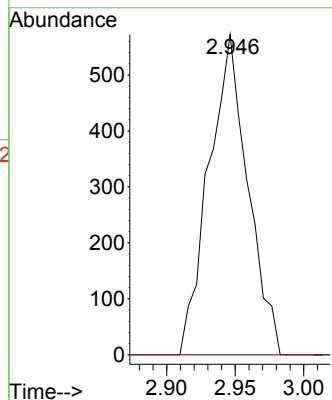
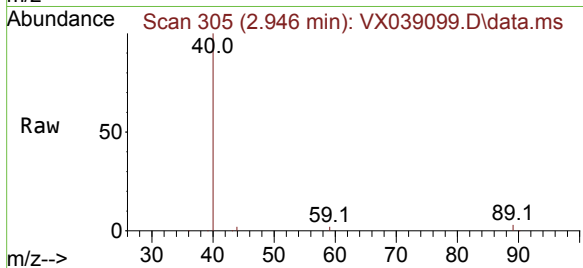
ClientSampleId :

Tgt Ion: 59 Resp: 1132

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 31.499 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039099.D

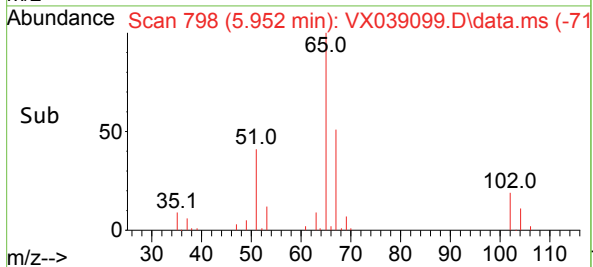
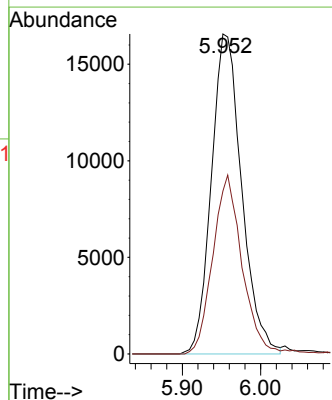
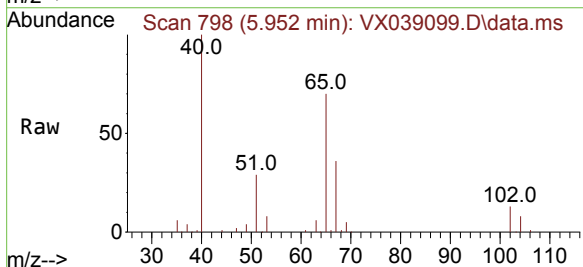
Acq: 08 Dec 2023 12:28

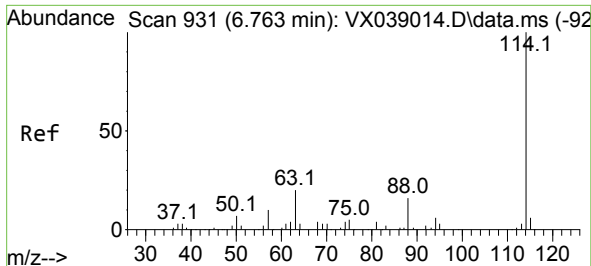
Tgt Ion: 65 Resp: 44527

Ion Ratio Lower Upper

65 100

67 53.5 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: VX039099.D

Acq: 08 Dec 2023 12:28

Instrument :

MSVOA_X

ClientSampleId :

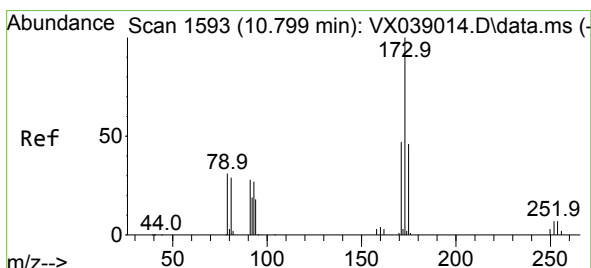
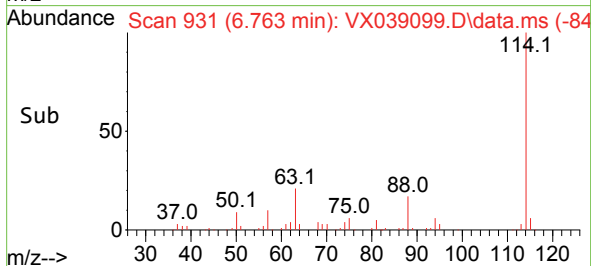
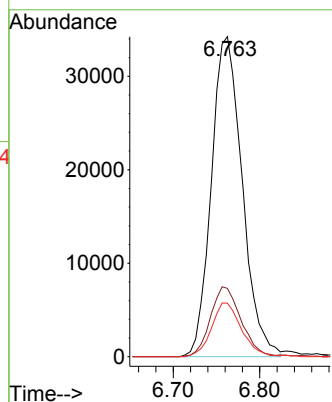
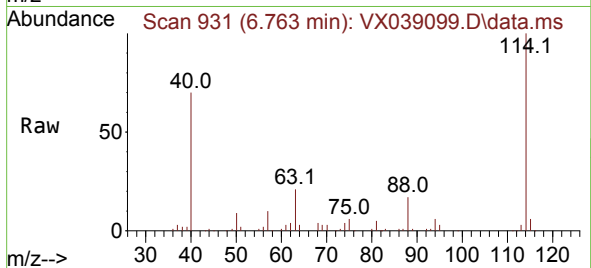
Tgt Ion:114 Resp: 84812

Ion Ratio Lower Upper

114 100

63 21.5 17.0 25.4

88 16.3 12.7 19.1



#56

Bromoform

Concen: 0.235 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX039099.D

Acq: 08 Dec 2023 12:28

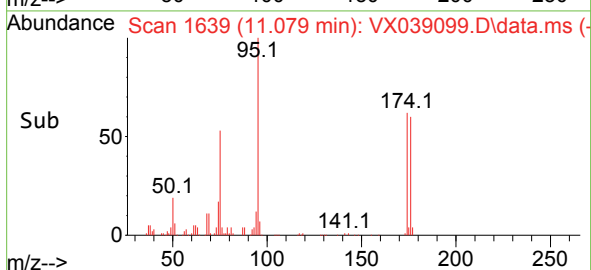
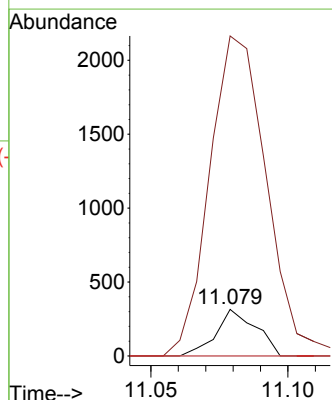
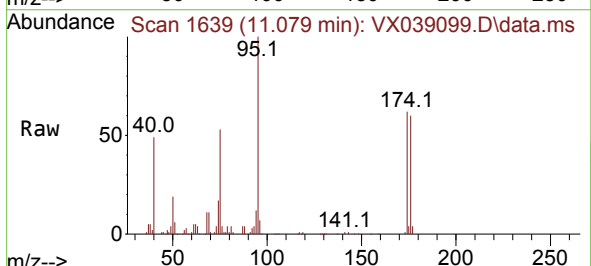
Tgt Ion:173 Resp: 320

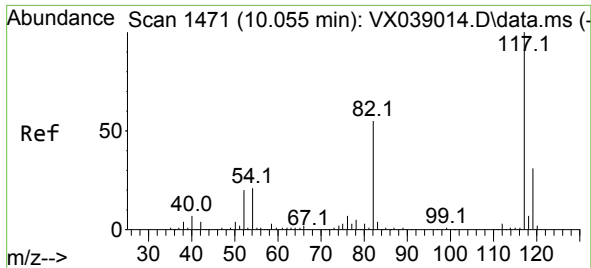
Ion Ratio Lower Upper

173 100

175 978.1 37.6 56.4#

254 0.0 5.8 8.8#

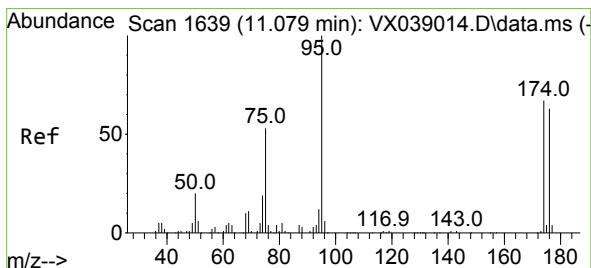
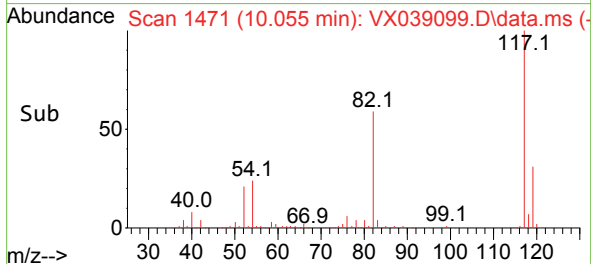
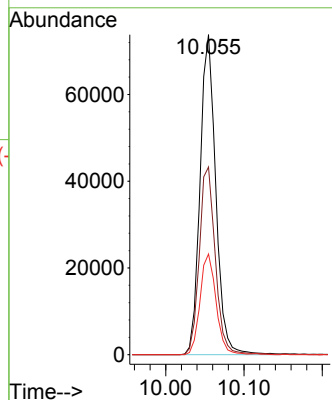
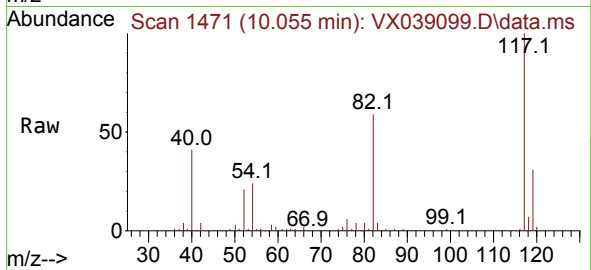




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039099.D
Acq: 08 Dec 2023 12:28

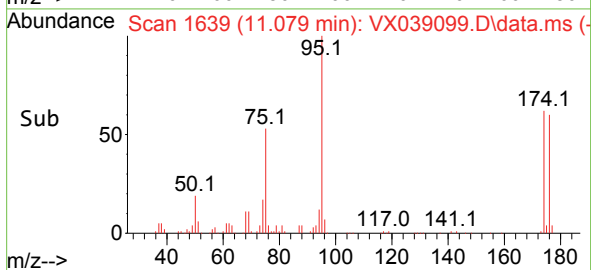
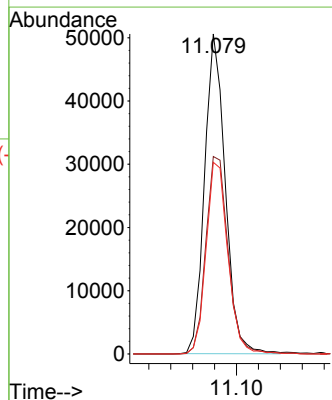
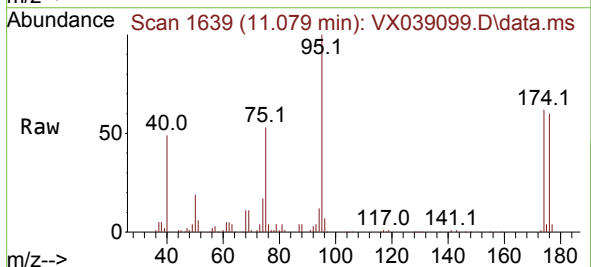
Instrument :
MSVOA_X
ClientSampleId :

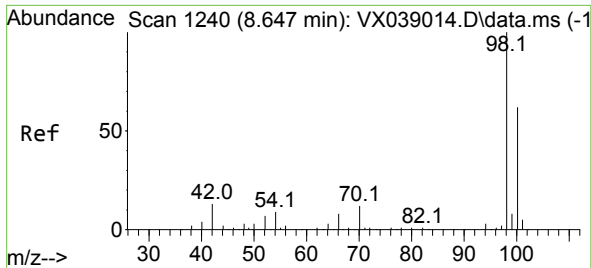
Tgt Ion:117 Resp: 103115
Ion Ratio Lower Upper
117 100
82 60.0 47.0 70.6
119 32.0 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 29.353 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039099.D
Acq: 08 Dec 2023 12:28

Tgt Ion: 95 Resp: 66109
Ion Ratio Lower Upper
95 100
174 66.6 55.4 83.2
176 63.2 52.6 78.8

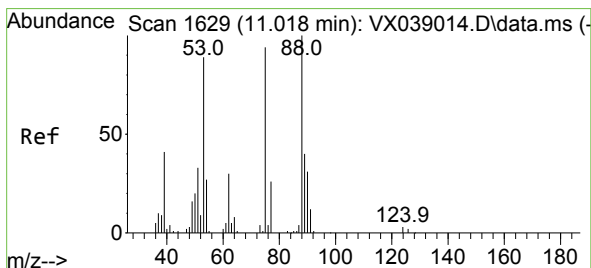
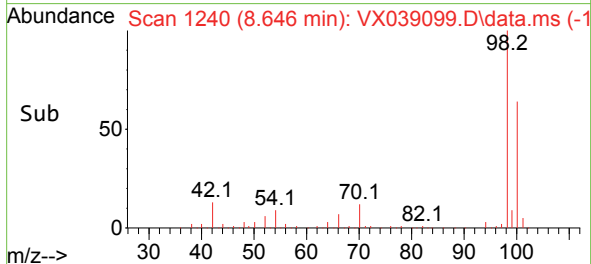
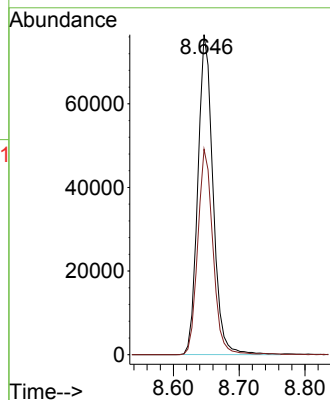
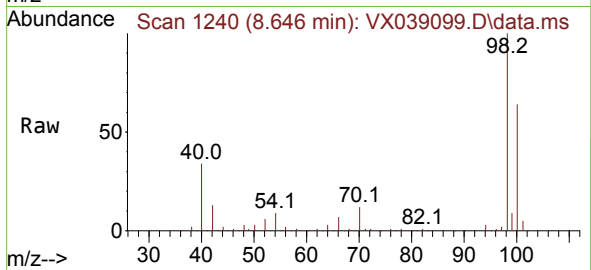




#63
Toluene-d8
Concen: 30.007 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039099.D
Acq: 08 Dec 2023 12:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 122332
Ion Ratio Lower Upper
98 100
100 64.3 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.341 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039099.D
Acq: 08 Dec 2023 12:28

Tgt Ion: 75 Resp: 34317
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

