

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039103.D
 Acq On : 08 Dec 2023 14:00
 Operator : JC/MD
 Sample : 05717-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 08 23:48:31 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)

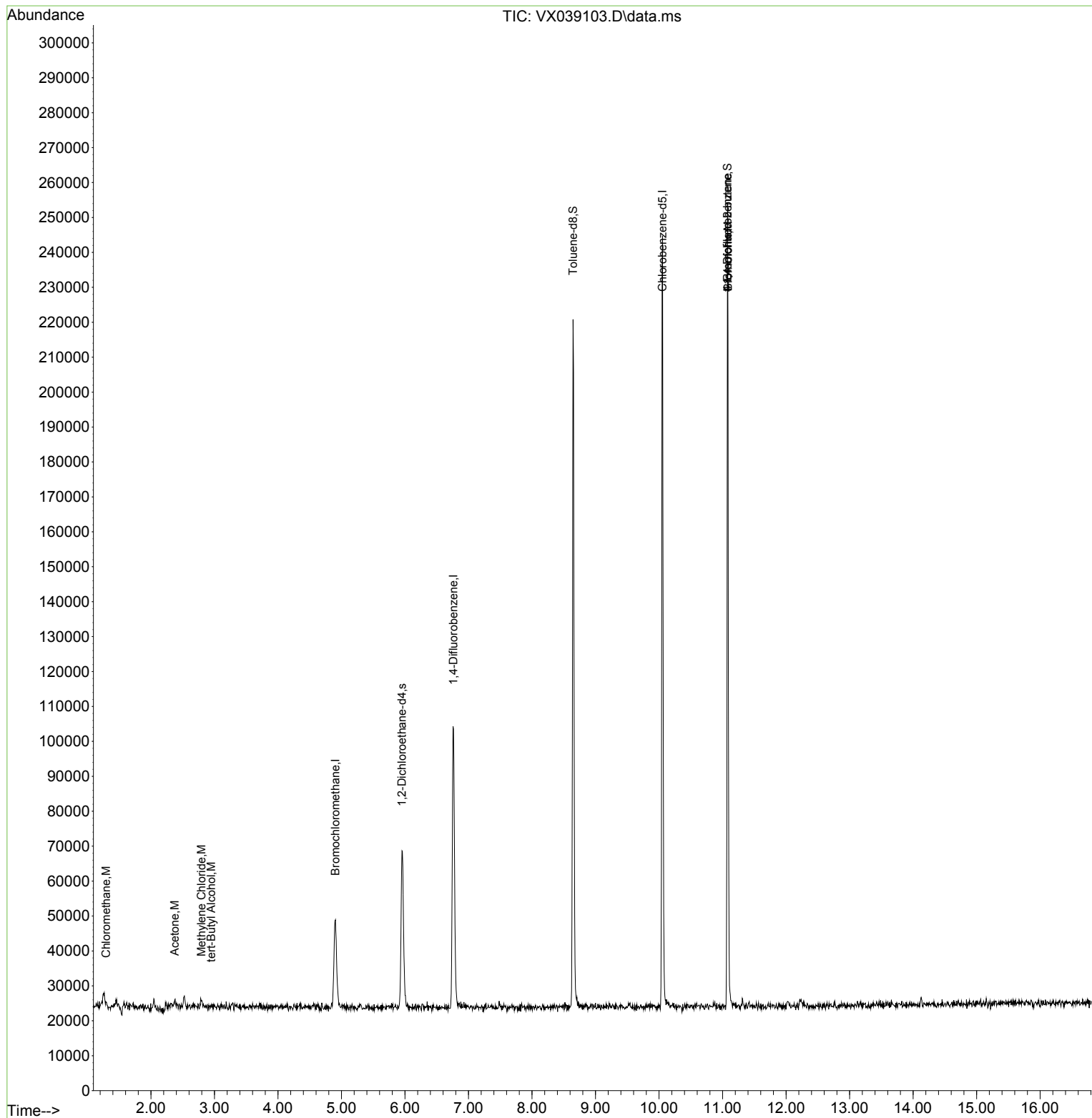
Internal Standards						
1) Bromochloromethane	4.904	128	10260	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	82609	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	100643	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	42679	30.406	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.367%
60) 4-Bromofluorobenzene	11.079	95	64090	29.155	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.200%
63) Toluene-d8	8.647	98	119122	29.937	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	620	0.353	ug/l #	59
15) Acetone	2.373	58	597	1.543	ug/l #	47
18) Methylene Chloride	2.794	84	1107	0.669	ug/l	87
23) tert-Butyl Alcohol	2.947	59	155	0.263	ug/l #	100
56) Bromoform	11.085	173	286	0.216	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	33473	34.319	ug/l #	12

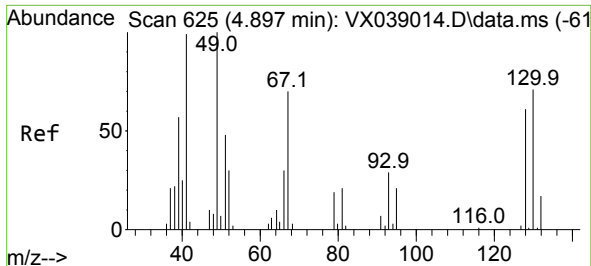
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
Data File : VX039103.D
Acq On : 08 Dec 2023 14:00
Operator : JC/MD
Sample : 05717-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 08 23:48:31 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

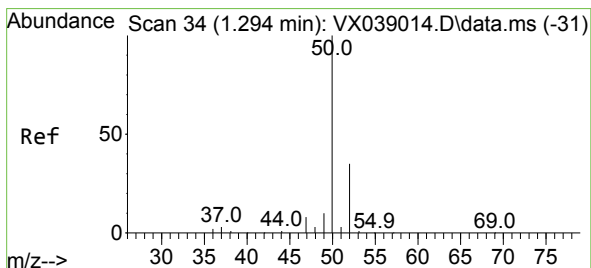
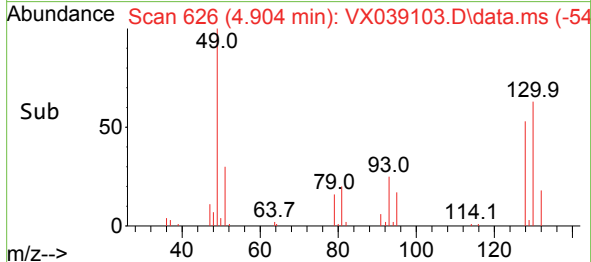
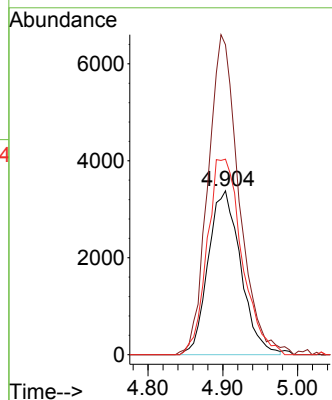
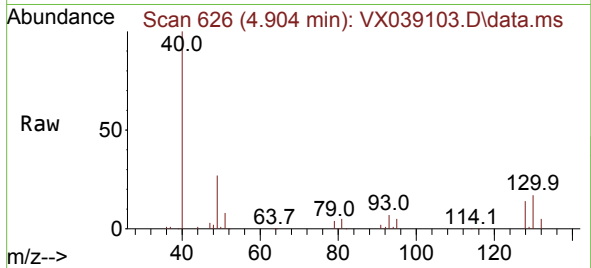




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX039103.D
Acq: 08 Dec 2023 14:00

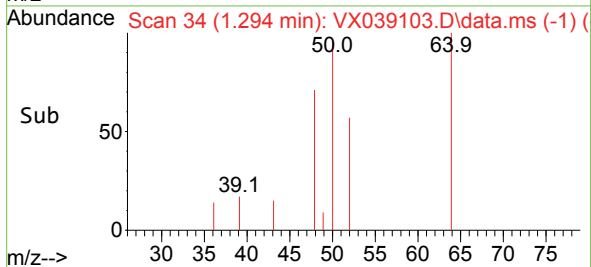
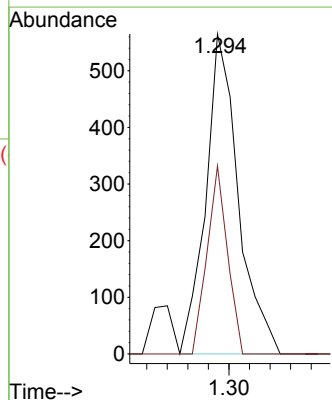
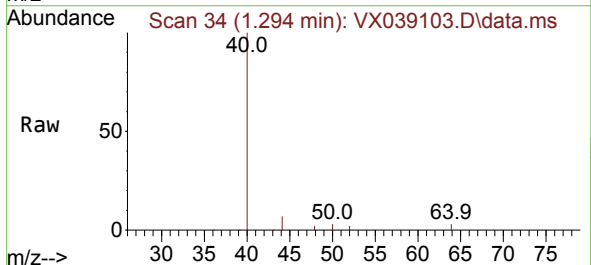
Instrument :
MSVOA_X
ClientSampleId :

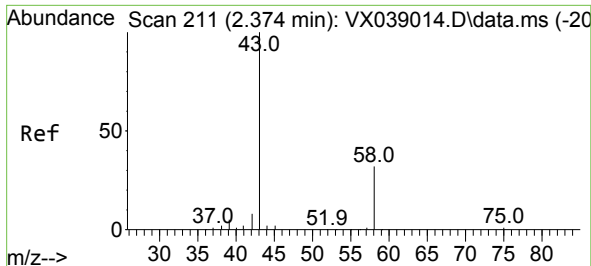
Tgt Ion:128 Resp: 10260
Ion Ratio Lower Upper
128 100
49 186.2 0.0 444.0
130 127.1 0.0 297.8



#3
Chloromethane
Concen: 0.353 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX039103.D
Acq: 08 Dec 2023 14:00

Tgt Ion: 50 Resp: 620
Ion Ratio Lower Upper
50 100
52 58.8 27.8 41.8#





#15

Acetone

Concen: 1.543 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039103.D

Acq: 08 Dec 2023 14:00

Instrument :

MSVOA_X

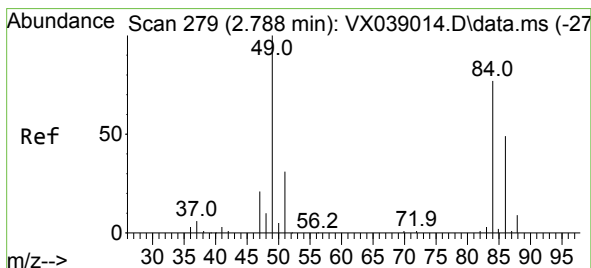
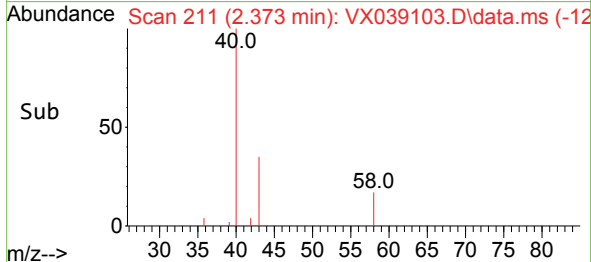
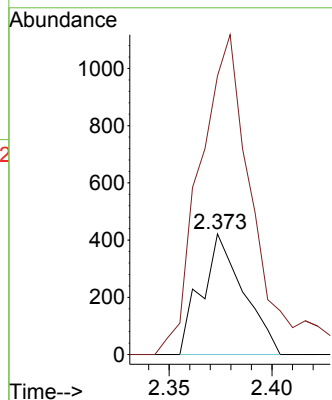
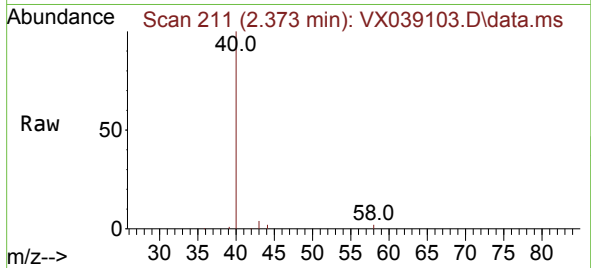
ClientSampleId :

Tgt Ion: 58 Resp: 597

Ion Ratio Lower Upper

58 100

43 204.7 249.9 374.9#



#18

Methylene Chloride

Concen: 0.669 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039103.D

Acq: 08 Dec 2023 14:00

Tgt Ion: 84 Resp: 1107

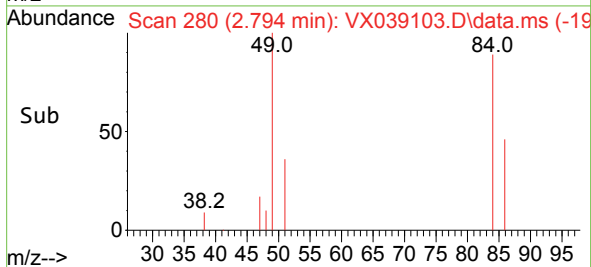
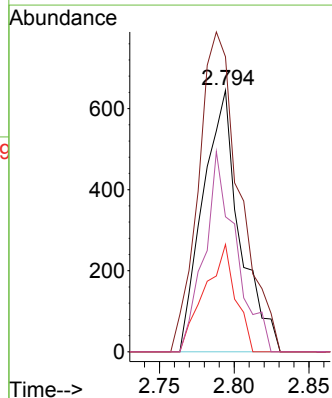
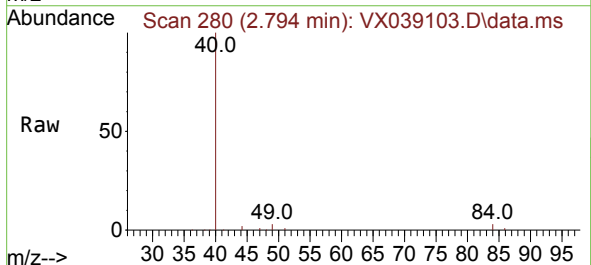
Ion Ratio Lower Upper

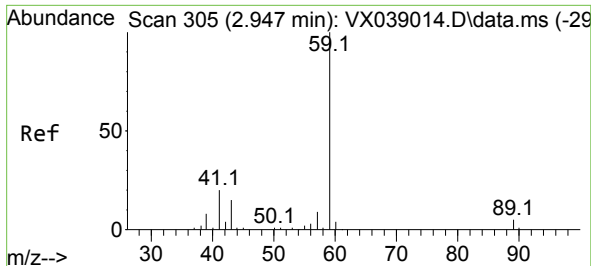
84 100

49 112.9 103.8 155.8

51 41.1 31.8 47.6

86 51.6 50.8 76.2





#23

tert-Butyl Alcohol

Concen: 0.263 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.000 min

Lab File: VX039103.D

Acq: 08 Dec 2023 14:00

Instrument :

MSVOA_X

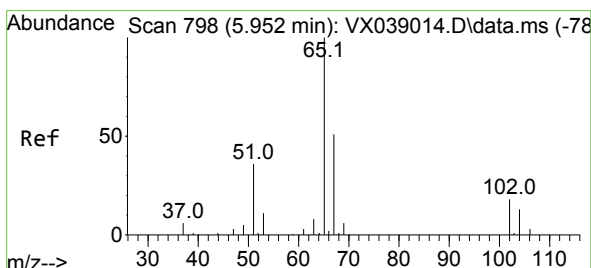
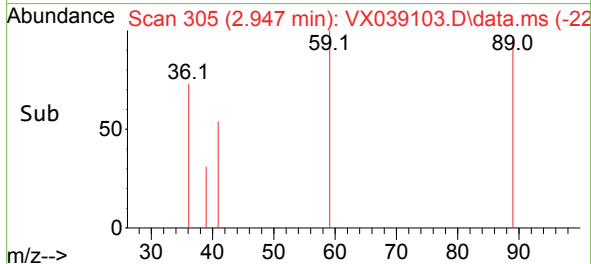
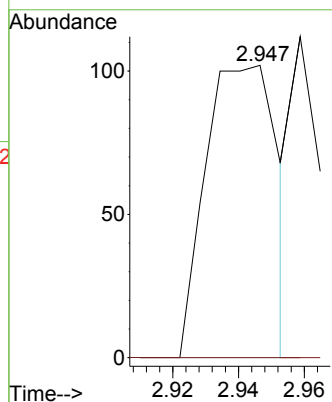
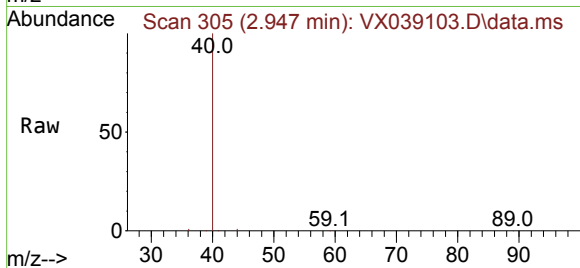
ClientSampleId :

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 30.406 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039103.D

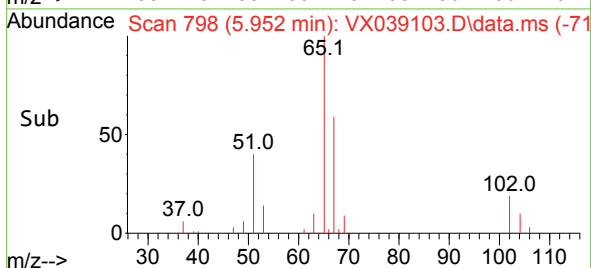
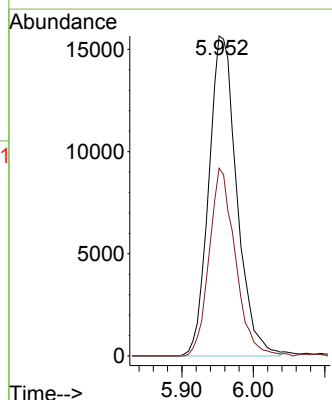
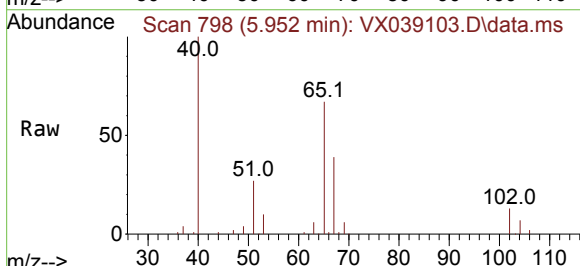
Acq: 08 Dec 2023 14:00

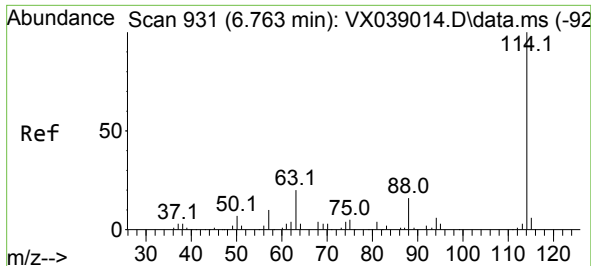
Tgt Ion: 65 Resp: 42679

Ion Ratio Lower Upper

65 100

67 54.4 42.5 63.7

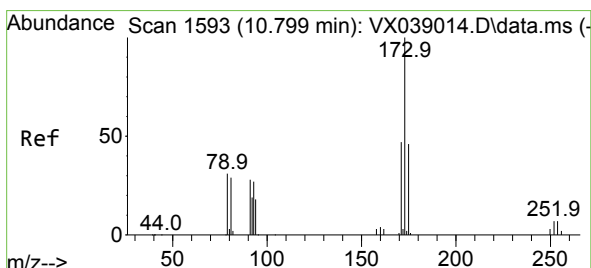
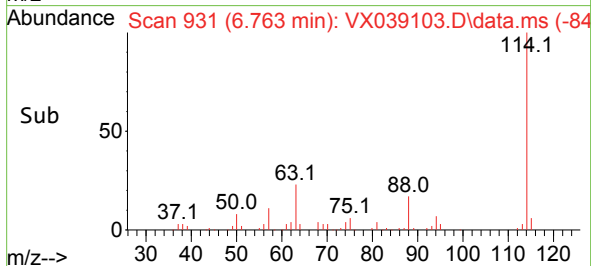
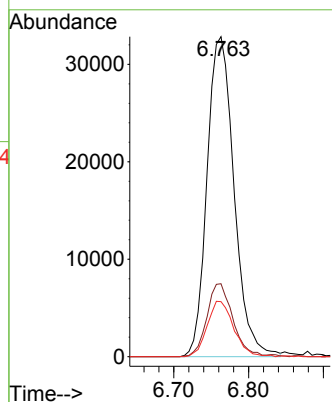
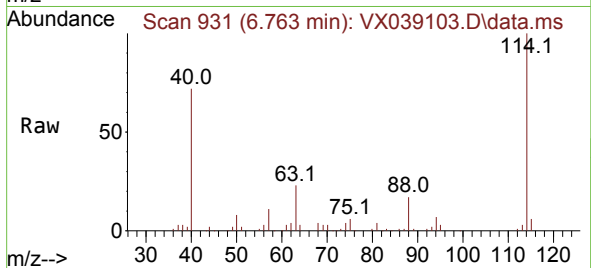




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039103.D
Acq: 08 Dec 2023 14:00

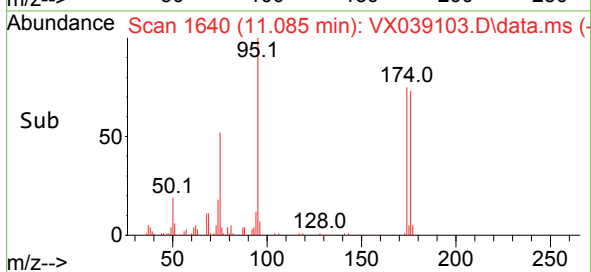
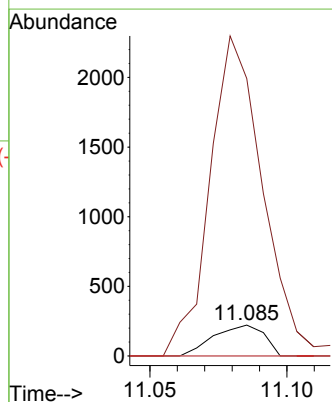
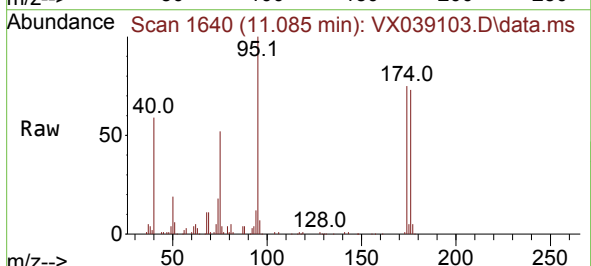
Instrument :
MSVOA_X
ClientSampleId :

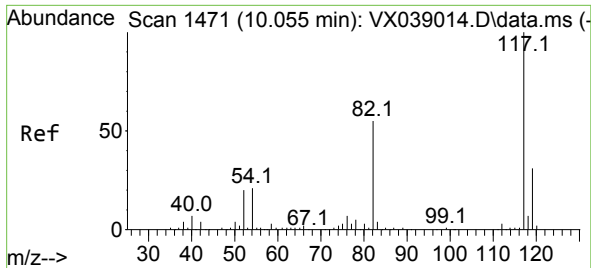
Tgt Ion:114 Resp: 82609
Ion Ratio Lower Upper
114 100
63 21.8 17.0 25.4
88 16.9 12.7 19.1



#56
Bromoform
Concen: 0.216 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX039103.D
Acq: 08 Dec 2023 14:00

Tgt Ion:173 Resp: 286
Ion Ratio Lower Upper
173 100
175 1083.9 37.6 56.4#
254 0.0 5.8 8.8#

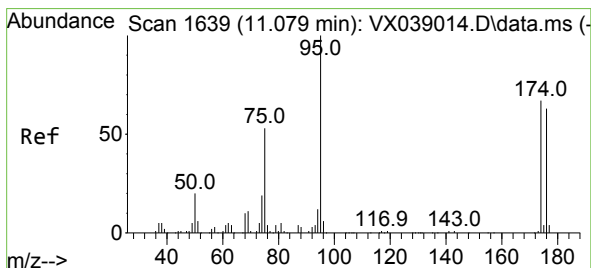
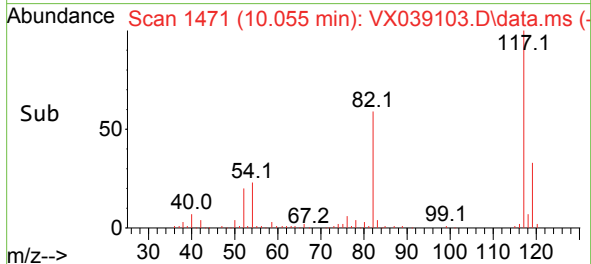
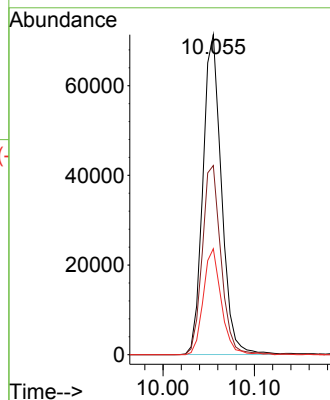
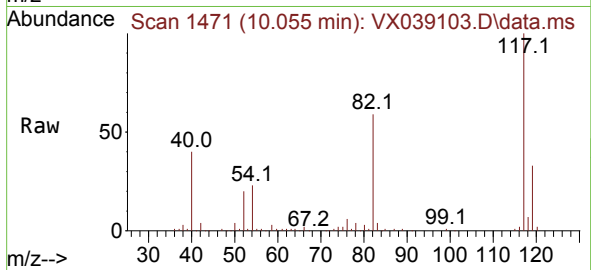




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039103.D
Acq: 08 Dec 2023 14:00

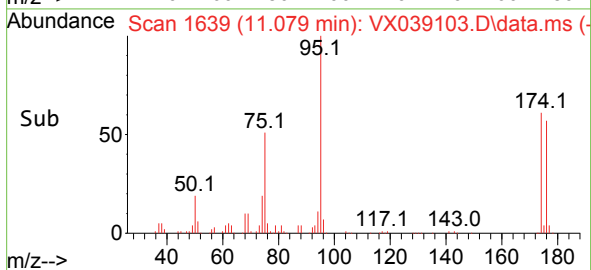
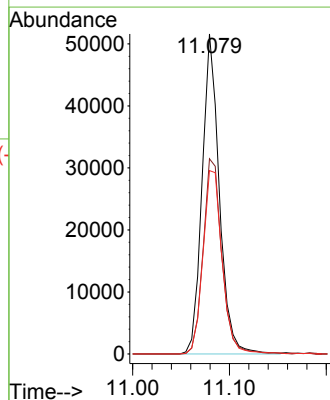
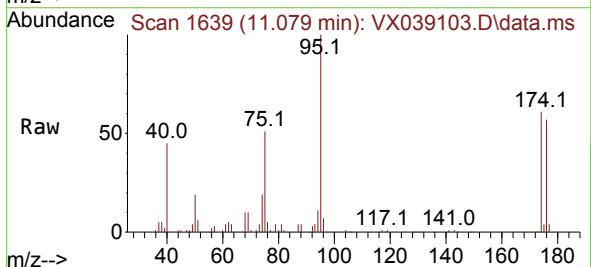
Instrument :
MSVOA_X
ClientSampleId :

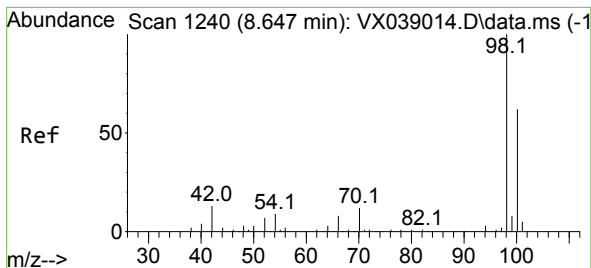
Tgt Ion:117 Resp: 100643
Ion Ratio Lower Upper
117 100
82 60.0 47.0 70.6
119 32.0 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 29.155 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039103.D
Acq: 08 Dec 2023 14:00

Tgt Ion: 95 Resp: 64090
Ion Ratio Lower Upper
95 100
174 65.9 55.4 83.2
176 64.2 52.6 78.8





#63

Toluene-d8

Concen: 29.937 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039103.D

Acq: 08 Dec 2023 14:00

Instrument :

MSVOA_X

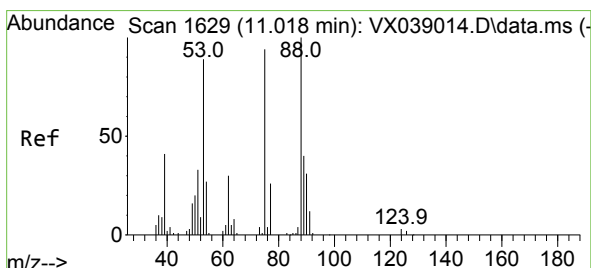
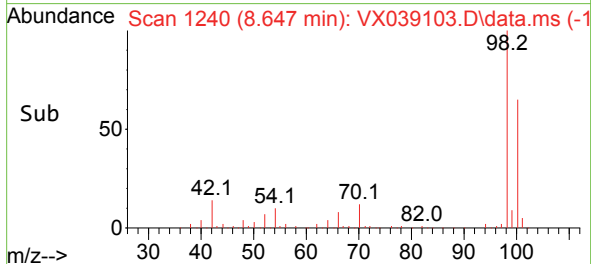
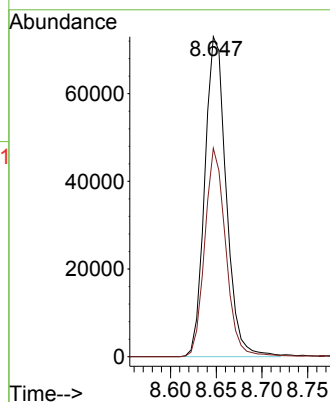
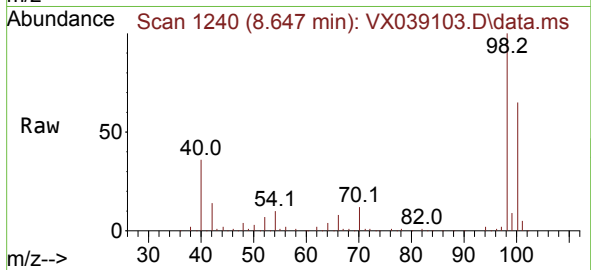
ClientSampleId :

Tgt Ion: 98 Resp: 119122

Ion Ratio Lower Upper

98 100

100 63.8 51.0 76.4



#77

t-1,4-Dichloro-2-butene

Concen: 34.319 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039103.D

Acq: 08 Dec 2023 14:00

Tgt Ion: 75 Resp: 33473

Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.8#

89 0.0 21.3 63.7#

