

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
 Data File : VX039228.D
 Acq On : 15 Dec 2023 12:49
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 01:14:26 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)

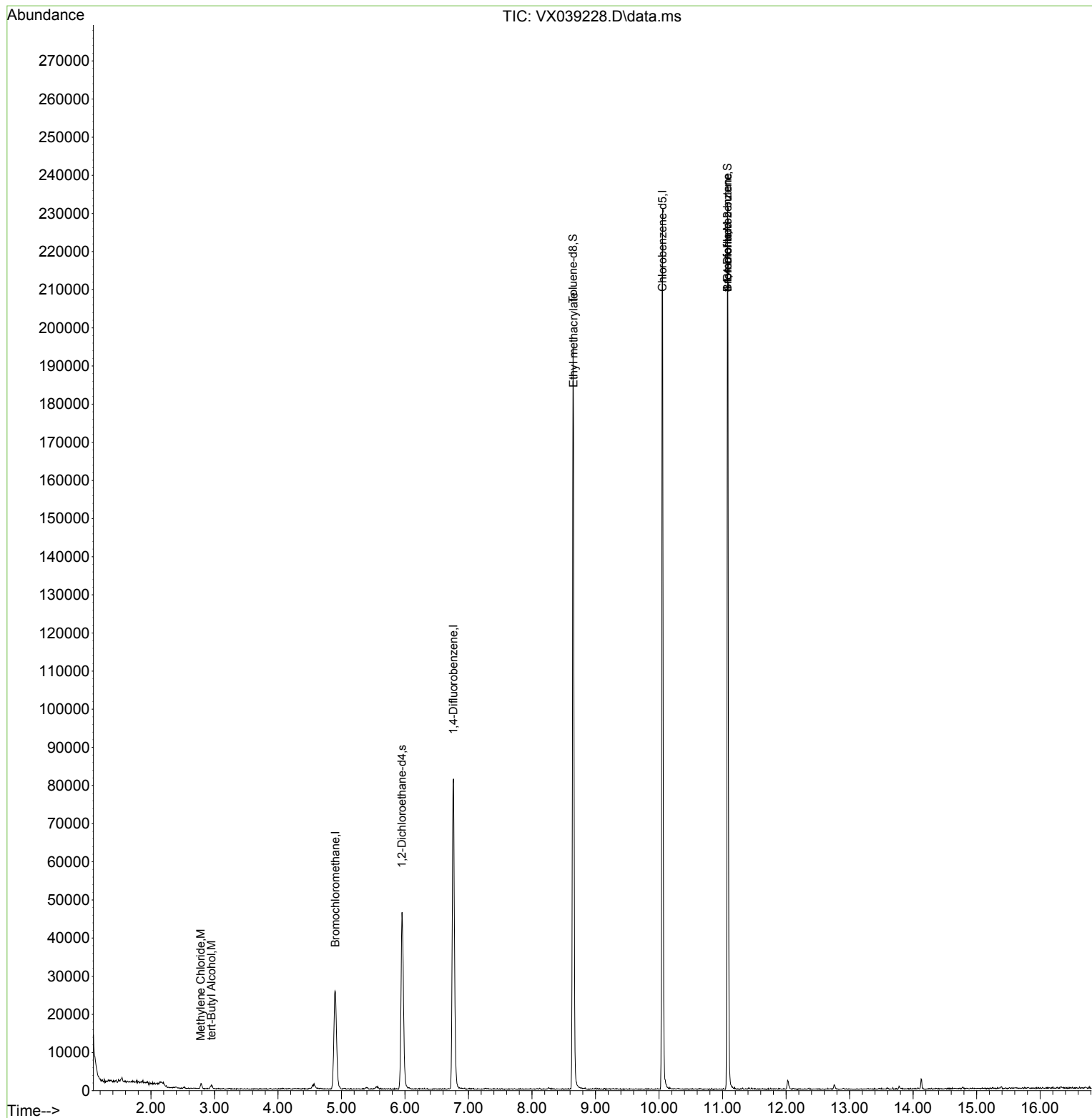
Internal Standards						
1) Bromochloromethane	4.903	128	10047	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	78941	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	95593	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	45691	33.242	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.800%#
60) 4-Bromofluorobenzene	11.079	95	64607	30.943	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.133%
63) Toluene-d8	8.647	98	114660	30.338	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.133%
Target Compounds						
					Qvalue	
18) Methylene Chloride	2.782	84	469	0.290	ug/l	84
23) tert-Butyl Alcohol	2.952	59	1191	2.064	ug/l #	100
51) Ethyl methacrylate	8.653	69	434	0.212	ug/l #	71
56) Bromoform	11.079	173	466	0.368	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	35508	38.329	ug/l #	12

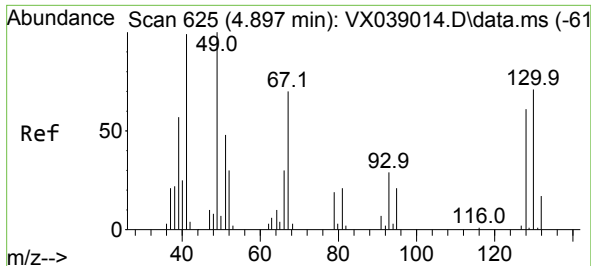
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
Data File : VX039228.D
Acq On : 15 Dec 2023 12:49
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

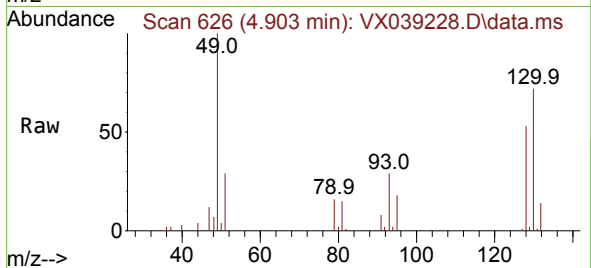
Quant Time: Dec 16 01:14:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
Response via : Initial Calibration



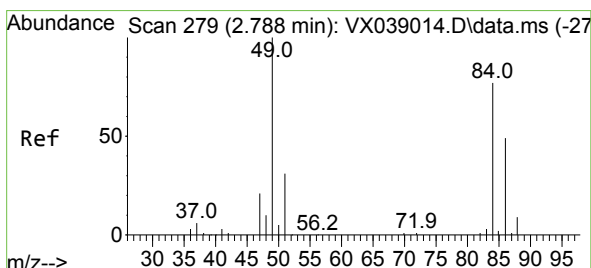
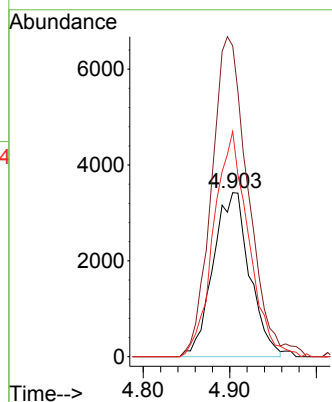
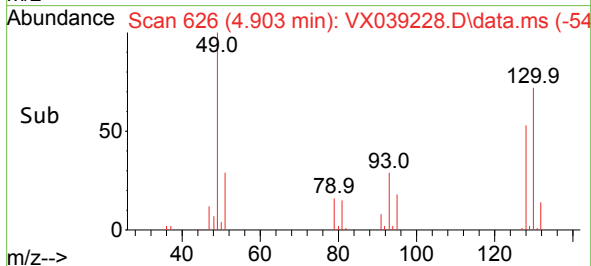


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX039228.D
Acq: 15 Dec 2023 12:49

Instrument :
MSVOA_X
ClientSampleId :

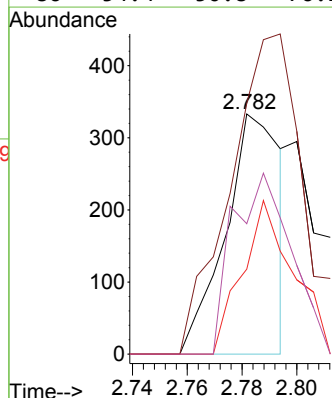
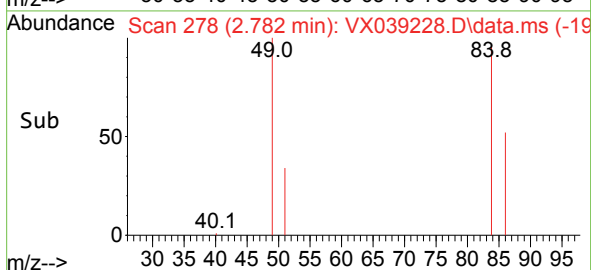
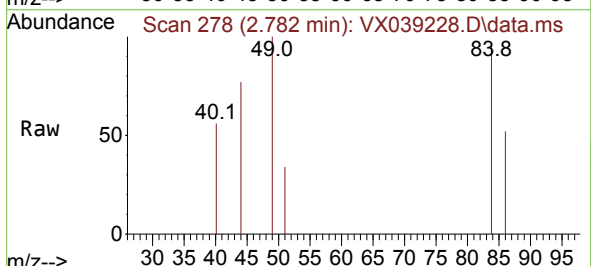


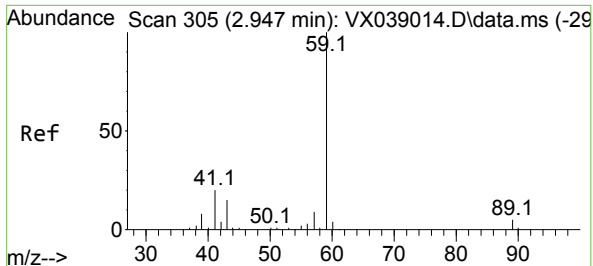
Tgt Ion:128 Resp: 10047
Ion Ratio Lower Upper
128 100
49 192.0 0.0 444.0
130 130.7 0.0 297.8



#18
Methylene Chloride
Concen: 0.290 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX039228.D
Acq: 15 Dec 2023 12:49

Tgt Ion: 84 Resp: 469
Ion Ratio Lower Upper
84 100
49 104.5 103.8 155.8
51 35.4 31.8 47.6
86 54.4 50.8 76.2





#23

tert-Butyl Alcohol

Concen: 2.064 ug/l

RT: 2.952 min Scan# 305

Delta R.T. 0.006 min

Lab File: VX039228.D

Acq: 15 Dec 2023 12:49

Instrument :

MSVOA_X

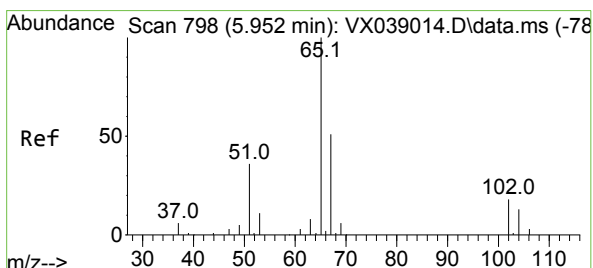
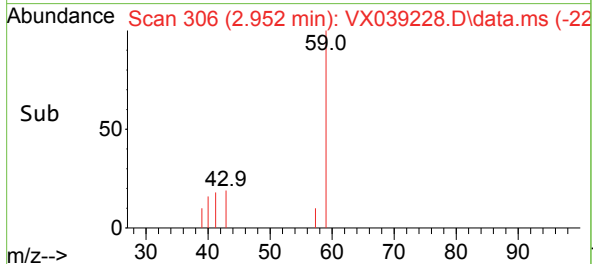
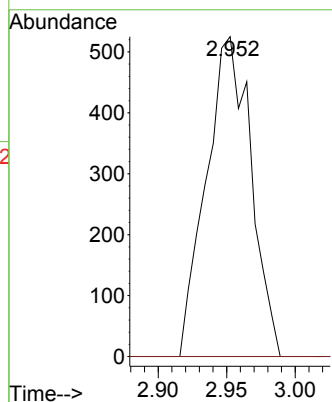
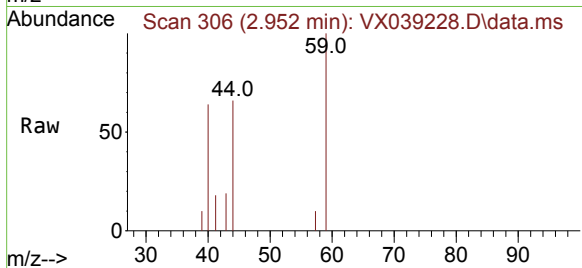
ClientSampleId :

Tgt Ion: 59 Resp: 1191

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 33.242 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039228.D

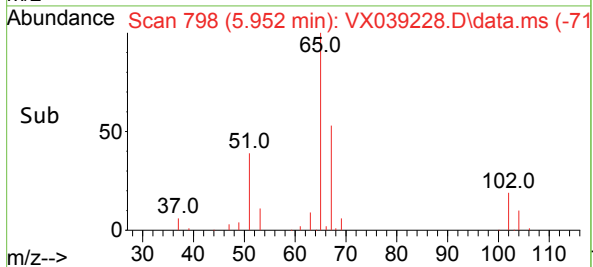
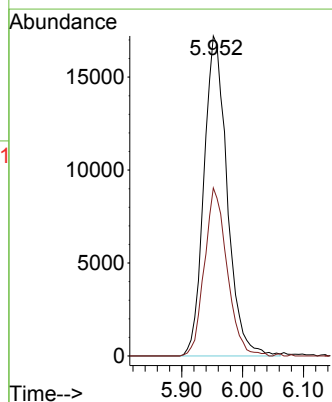
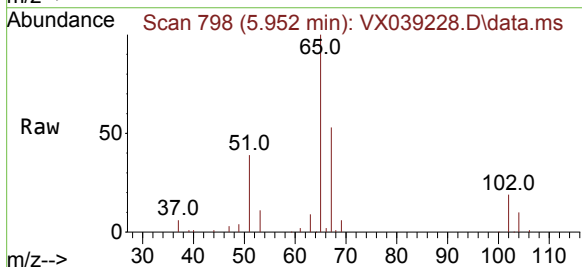
Acq: 15 Dec 2023 12:49

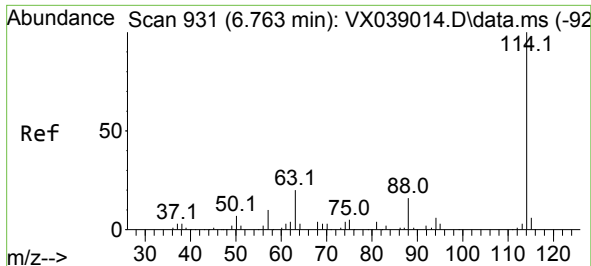
Tgt Ion: 65 Resp: 45691

Ion Ratio Lower Upper

65 100

67 51.2 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

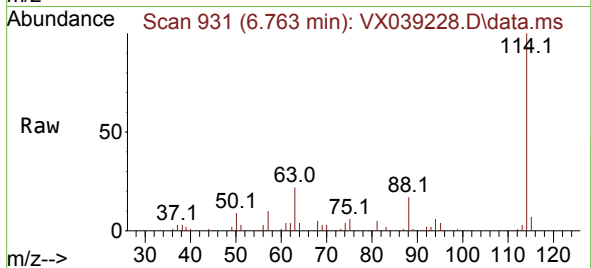
Lab File: VX039228.D

Acq: 15 Dec 2023 12:49

Instrument :

MSVOA_X

ClientSampleId :



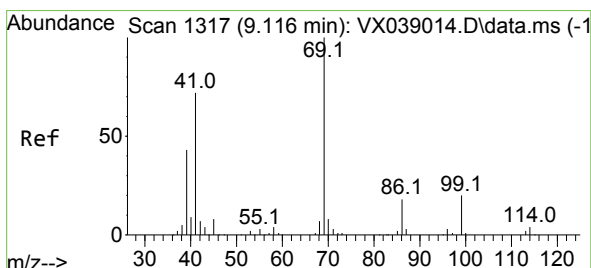
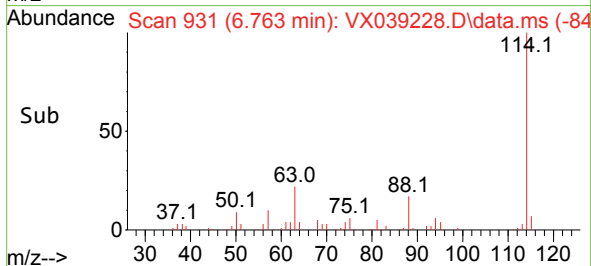
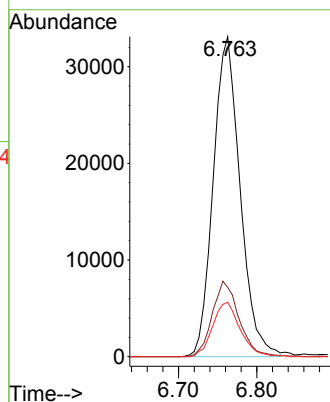
Tgt Ion:114 Resp: 78941

Ion Ratio Lower Upper

114 100

63 23.5 17.0 25.4

88 17.4 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.464 min

Lab File: VX039228.D

Acq: 15 Dec 2023 12:49

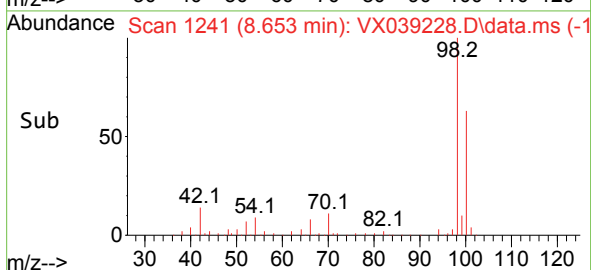
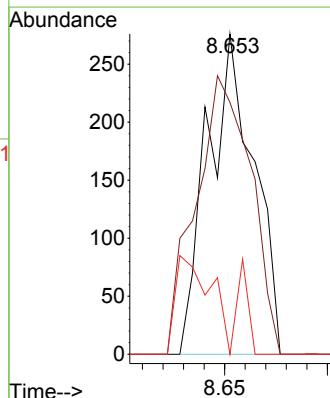
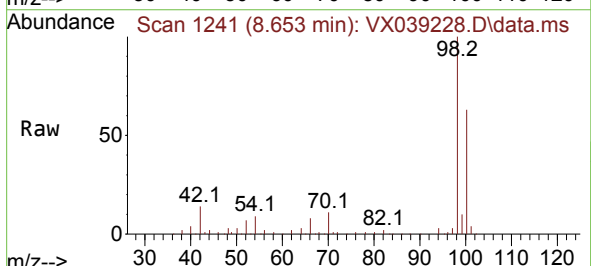
Tgt Ion: 69 Resp: 434

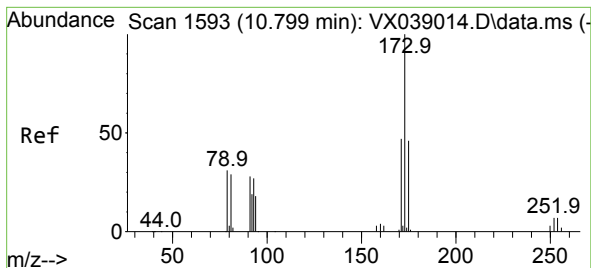
Ion Ratio Lower Upper

69 100

41 78.6 36.2 108.6

39 0.0 21.1 63.4#





#56

Bromoform

Concen: 0.368 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

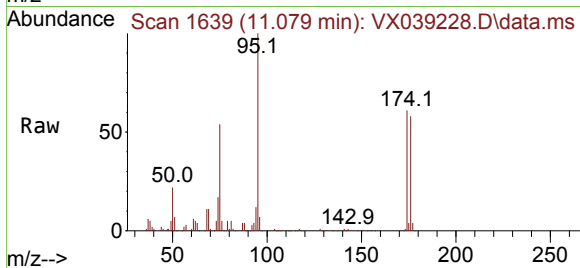
Lab File: VX039228.D

Acq: 15 Dec 2023 12:49

Instrument :

MSVOA_X

ClientSampleId :



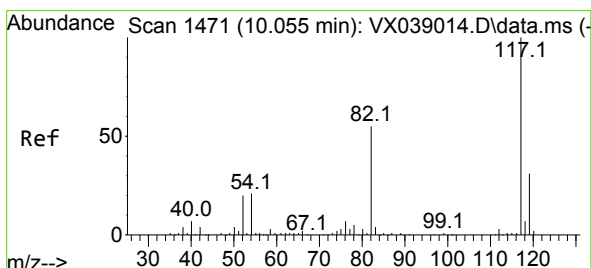
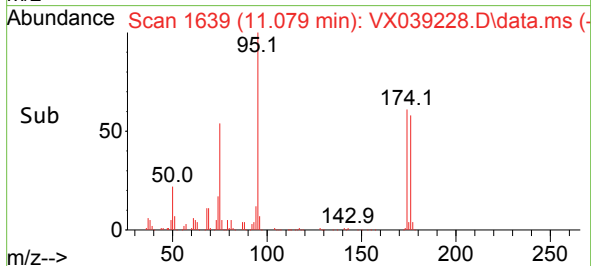
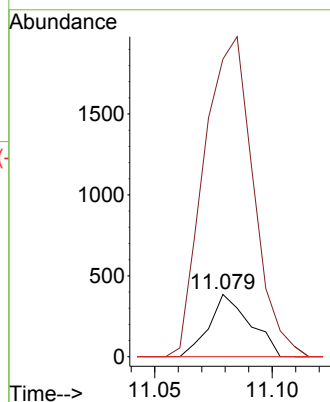
Tgt Ion:173 Resp: 466

Ion Ratio Lower Upper

173 100

175 620.0 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: VX039228.D

Acq: 15 Dec 2023 12:49

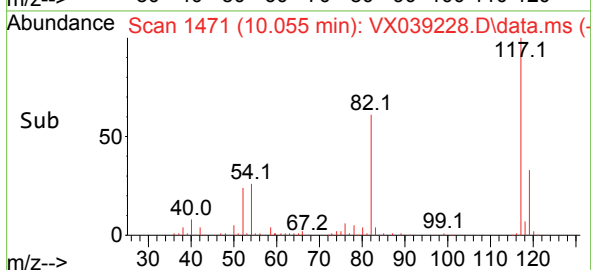
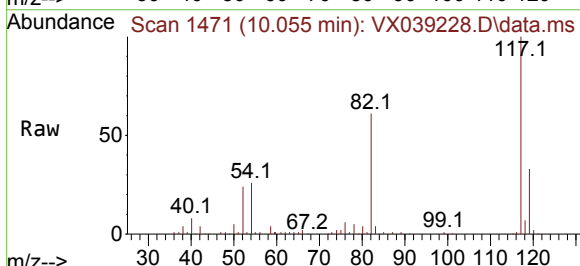
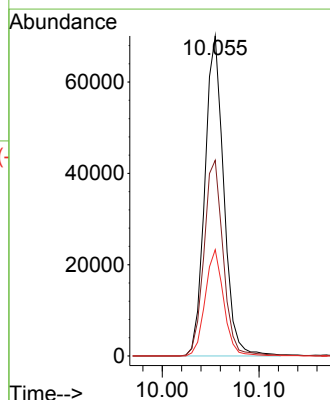
Tgt Ion:117 Resp: 95593

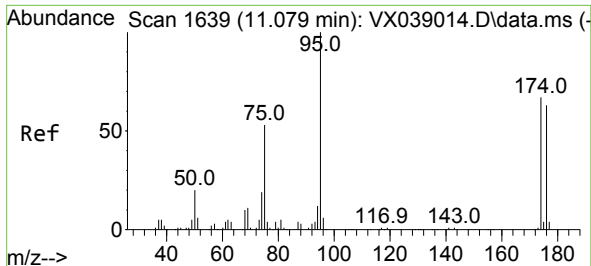
Ion Ratio Lower Upper

117 100

82 62.1 47.0 70.6

119 32.5 25.2 37.8

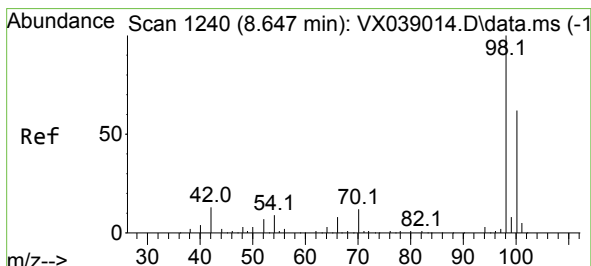
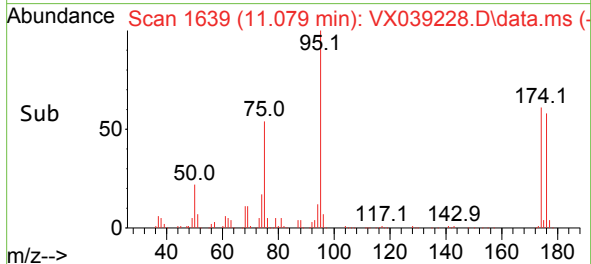
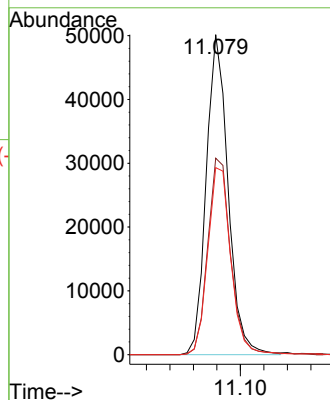
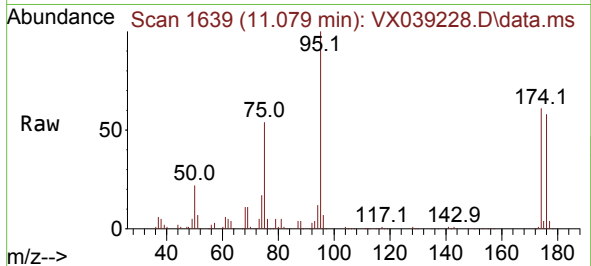




#60
4-Bromofluorobenzene
Concen: 30.943 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039228.D
Acq: 15 Dec 2023 12:49

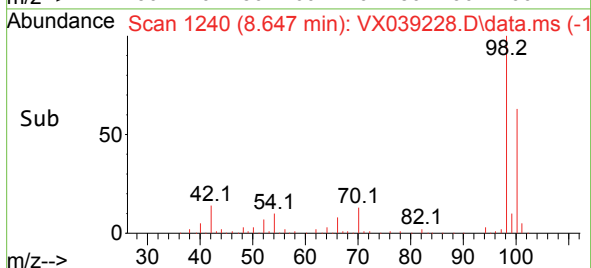
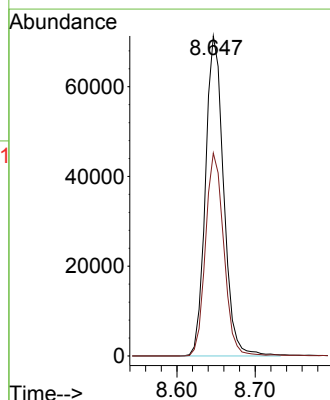
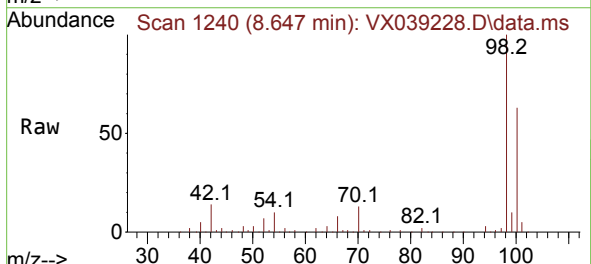
Instrument :
MSVOA_X
ClientSampleId :

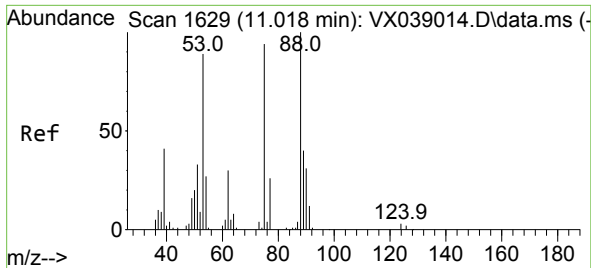
Tgt Ion: 95 Resp: 64607
Ion Ratio Lower Upper
95 100
174 64.2 55.4 83.2
176 61.9 52.6 78.8



#63
Toluene-d8
Concen: 30.338 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039228.D
Acq: 15 Dec 2023 12:49

Tgt Ion: 98 Resp: 114660
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.329 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039228.D
 Acq: 15 Dec 2023 12:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 35508
 Ion Ratio Lower Upper
 75 100
 53 0.0 46.9 140.8#
 89 0.4 21.3 63.7#

