

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039100.D
 Acq On : 08 Dec 2023 12:51
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 08 23:47:32 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

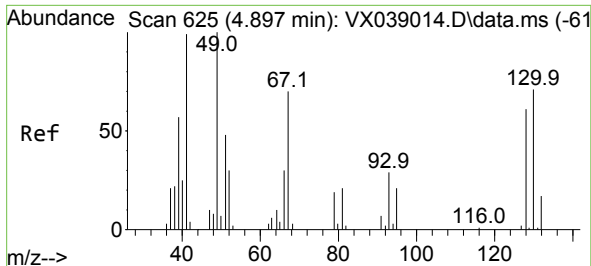
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.904	128	9703	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	82130	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	99731	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	42370	31.919	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.400%
60) 4-Bromofluorobenzene	11.079	95	63638	29.214	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.367%
63) Toluene-d8	8.647	98	118095	29.950	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.833%
Target Compounds						
					Qvalue	
13) Acrolein	2.197	56	79	0.219	ug/l	90
18) Methylene Chloride	2.788	84	564	0.361	ug/l #	70
23) tert-Butyl Alcohol	2.935	59	476	0.854	ug/l #	100
56) Bromoform	11.079	173	348	0.264	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	32795	33.932	ug/l #	12

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

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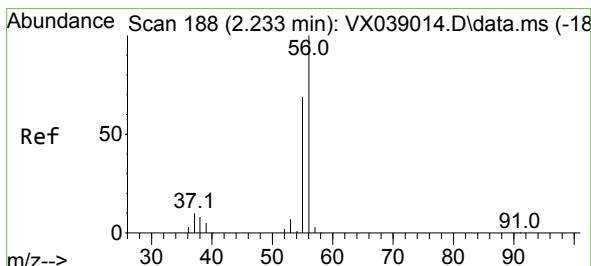
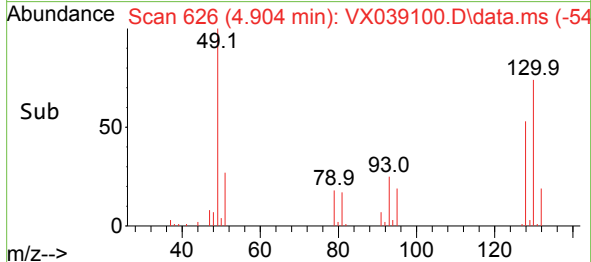
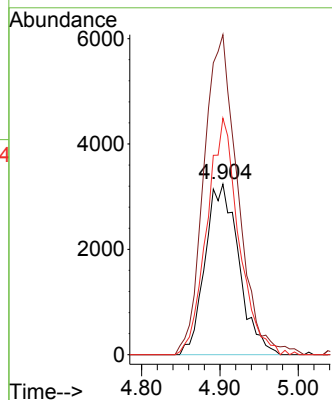
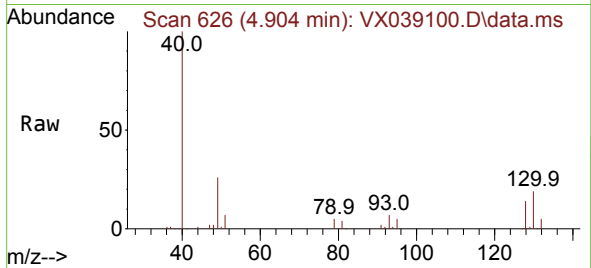




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX039100.D
Acq: 08 Dec 2023 12:51

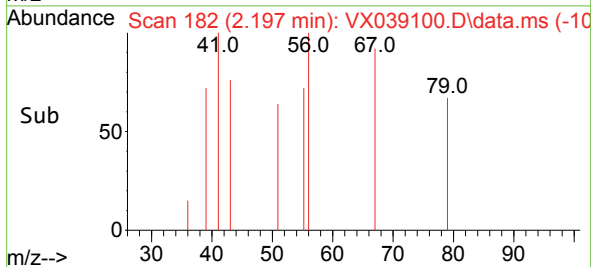
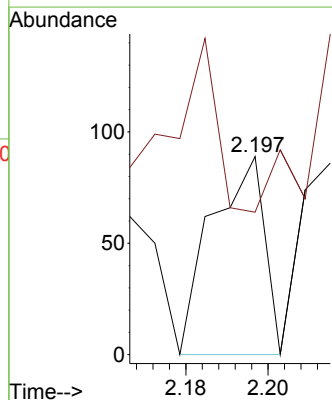
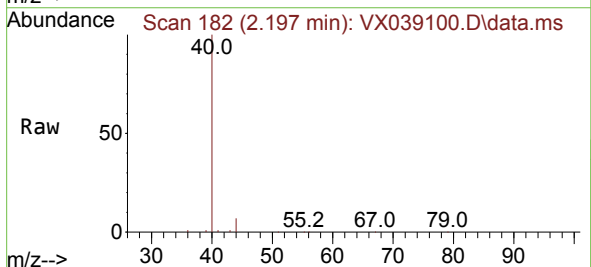
Instrument :
MSVOA_X
ClientSampleId :
IBLK

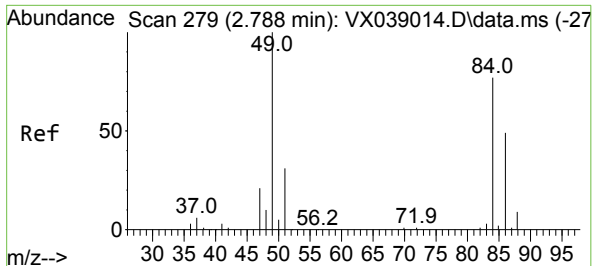
Tgt Ion:128 Resp: 9703
Ion Ratio Lower Upper
128 100
49 186.9 0.0 444.0
130 131.0 0.0 297.8



#13
Acrolein
Concen: 0.219 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.036 min
Lab File: VX039100.D
Acq: 08 Dec 2023 12:51

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 63.3 57.2 85.8

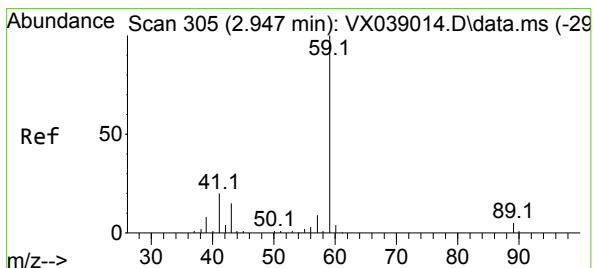
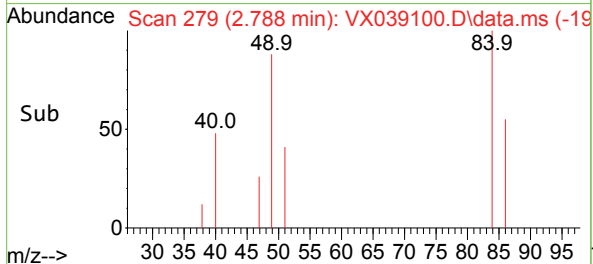
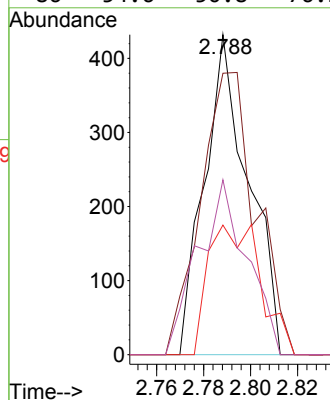
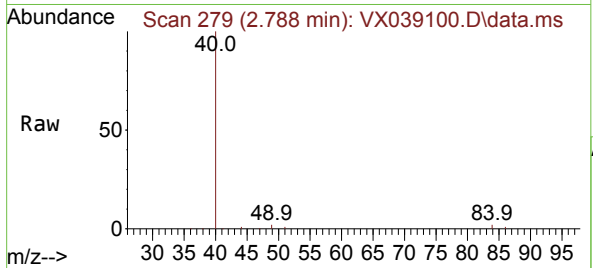




#18
Methylene Chloride
Concen: 0.361 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039100.D
Acq: 08 Dec 2023 12:51

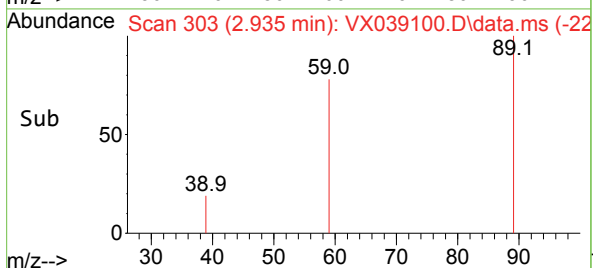
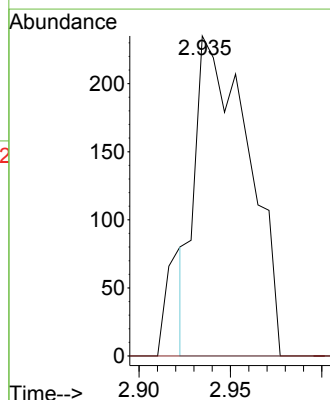
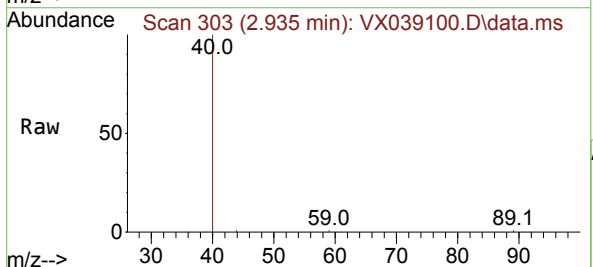
Instrument :
MSVOA_X
ClientSampleId :
IBLK

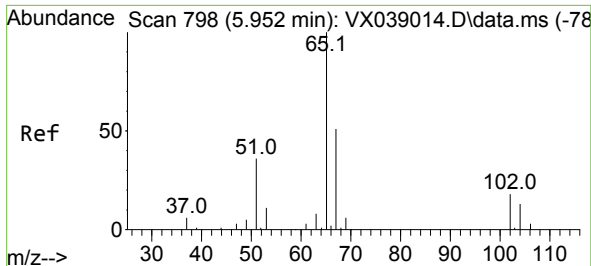
Tgt Ion: 84	Resp: 564
Ion Ratio	Lower Upper
84 100	
49 73.8	103.8 155.8#
51 40.5	31.8 47.6
86 54.6	50.8 76.2



#23
tert-Butyl Alcohol
Concen: 0.854 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.012 min
Lab File: VX039100.D
Acq: 08 Dec 2023 12:51

Tgt Ion: 59	Resp: 476		
Ion Ratio	Lower	Upper	
59 100			
52 0.0	0.0	0.0	





#27

1,2-Dichloroethane-d4

Concen: 31.919 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX039100.D

Acq: 08 Dec 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

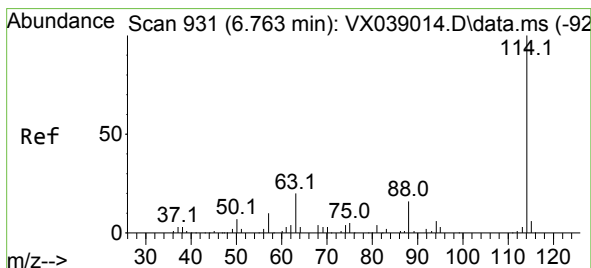
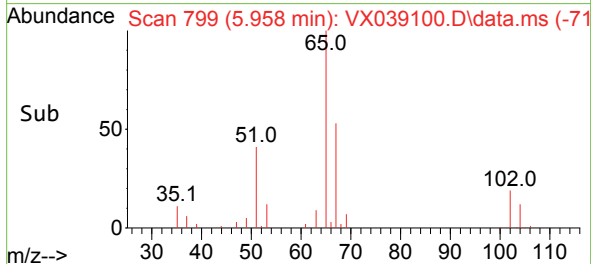
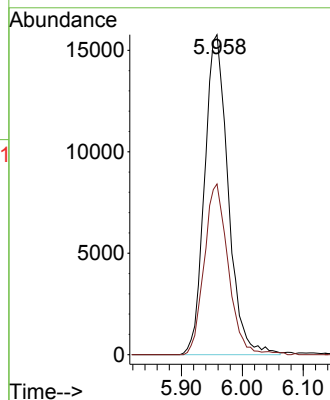
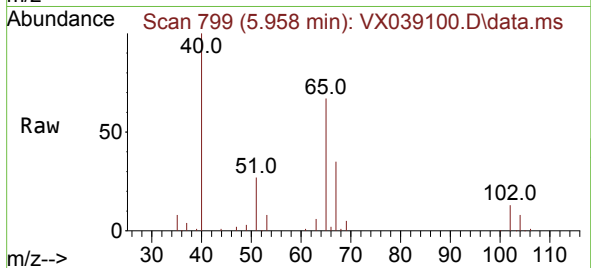
IBLK

Tgt Ion: 65 Resp: 42370

Ion Ratio Lower Upper

65 100

67 53.8 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: VX039100.D

Acq: 08 Dec 2023 12:51

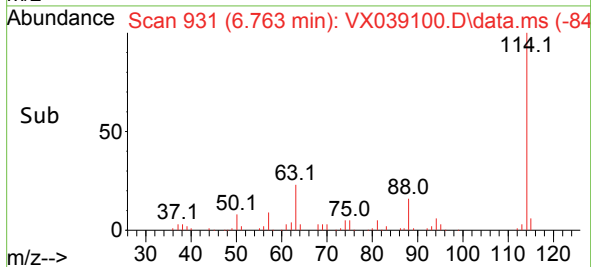
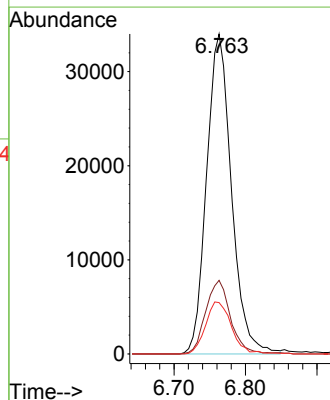
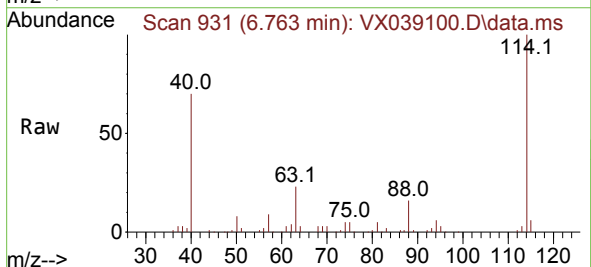
Tgt Ion: 114 Resp: 82130

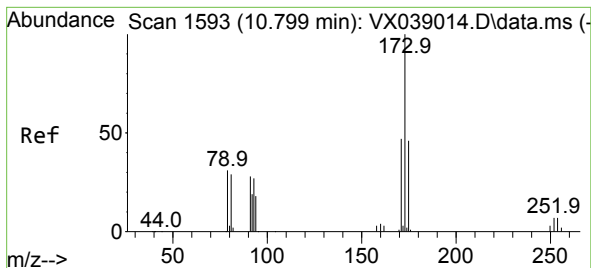
Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 16.5 12.7 19.1





#56

Bromoform

Concen: 0.264 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX039100.D

Acq: 08 Dec 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

IBLK

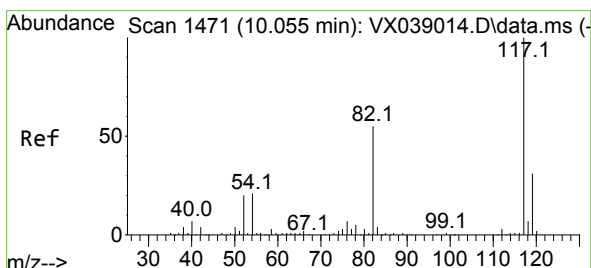
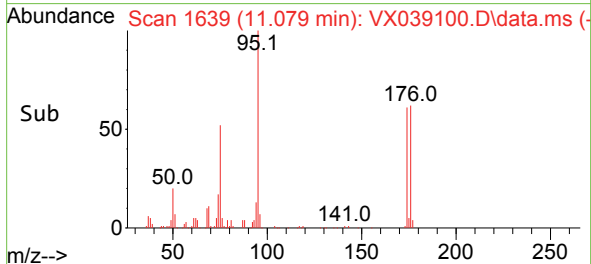
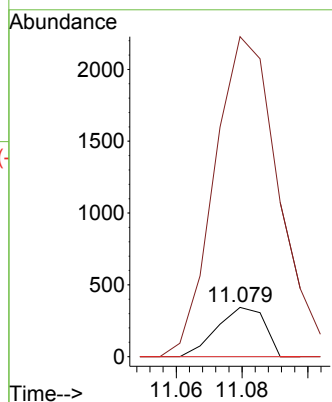
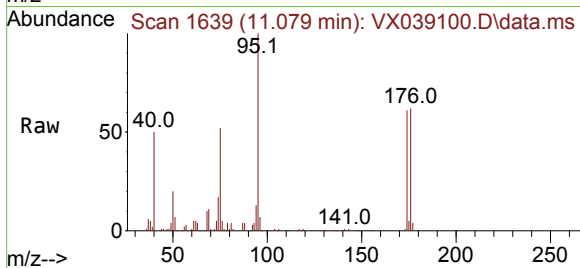
Tgt Ion:173 Resp: 348

Ion Ratio Lower Upper

173 100

175 877.0 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: VX039100.D

Acq: 08 Dec 2023 12:51

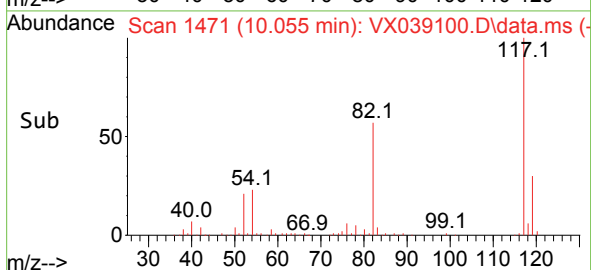
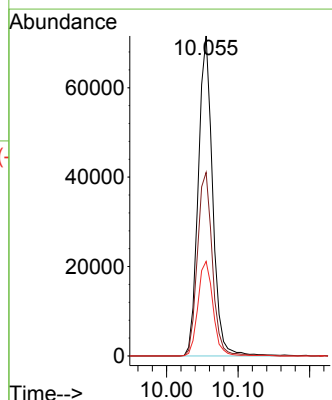
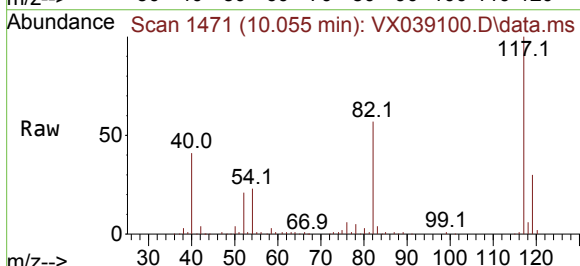
Tgt Ion:117 Resp: 99731

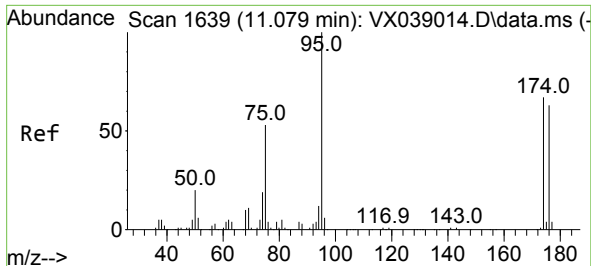
Ion Ratio Lower Upper

117 100

82 59.8 47.0 70.6

119 30.9 25.2 37.8

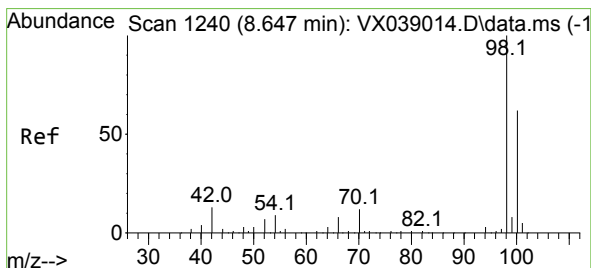
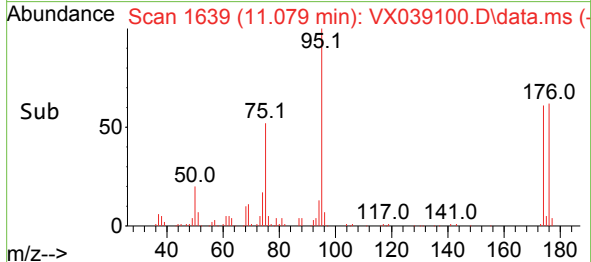
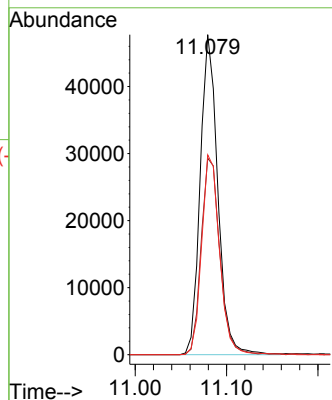
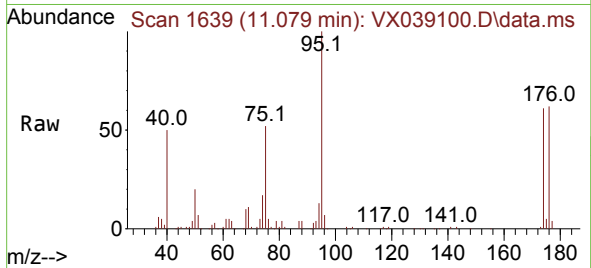




#60
4-Bromofluorobenzene
Concen: 29.214 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039100.D
Acq: 08 Dec 2023 12:51

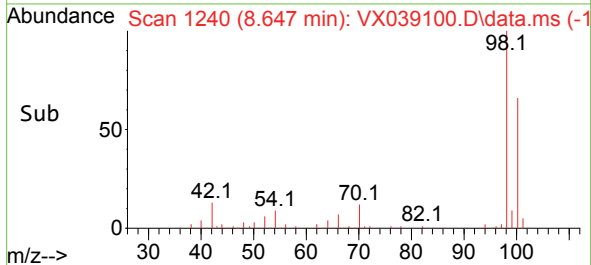
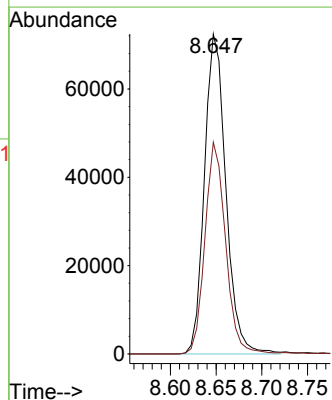
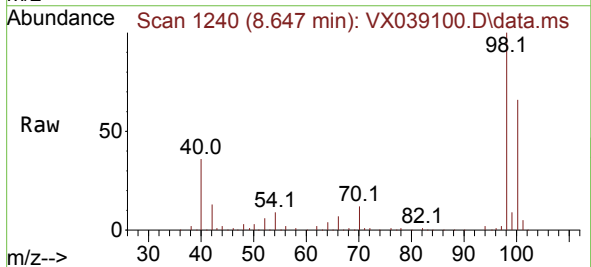
Instrument :
MSVOA_X
ClientSampleId :
IBLK

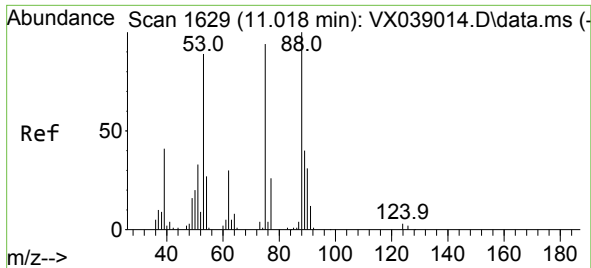
Tgt Ion: 95 Resp: 63638
Ion Ratio Lower Upper
95 100
174 65.1 55.4 83.2
176 63.7 52.6 78.8



#63
Toluene-d8
Concen: 29.950 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039100.D
Acq: 08 Dec 2023 12:51

Tgt Ion: 98 Resp: 118095
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.4





#77

t-1,4-Dichloro-2-butene

Concen: 33.932 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX039100.D

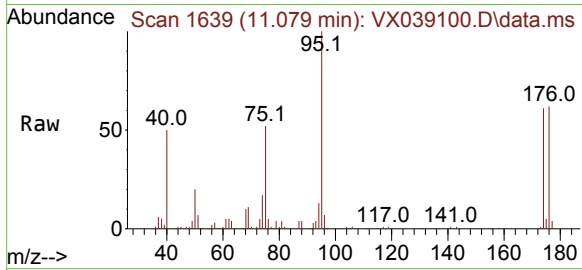
Acq: 08 Dec 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 32795

Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.8#

89 0.0 21.3 63.7#

