

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040623\
 Data File : VX034955.D
 Acq On : 06 Apr 2023 14:58
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 07 03:18:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

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

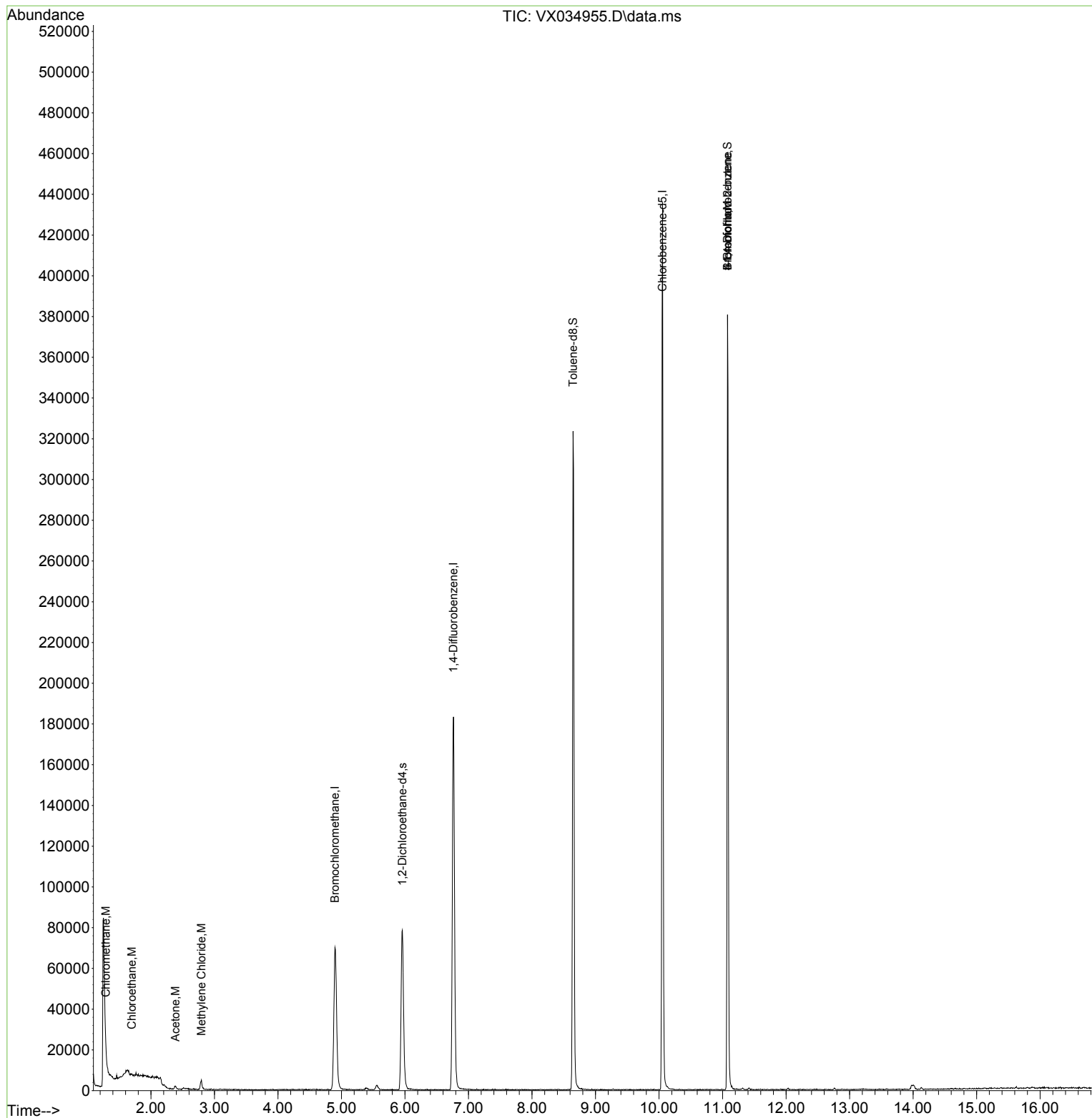
Internal Standards						
1) Bromochloromethane	4.898	128	29407	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	182199	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	189441	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	79823	28.251	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	94.167%	
60) 4-Bromofluorobenzene	11.079	95	105277	27.812	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	92.700%	
63) Toluene-d8	8.647	98	191366	29.725	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.100%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	779	0.215	ug/l #	70
6) Chloroethane	1.697	64	488	0.210	ug/l #	41
15) Acetone	2.386	58	451	0.933	ug/l	84
18) Methylene Chloride	2.794	84	1815	0.528	ug/l #	97
56) Bromoform	11.079	173	637	0.308	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	55938	45.308	ug/l #	4

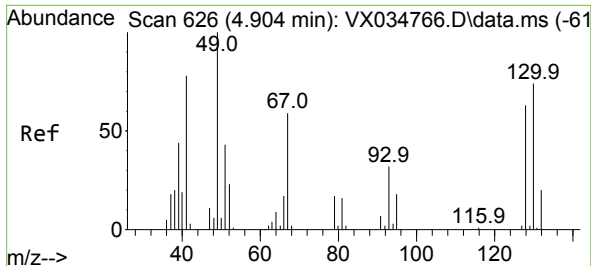
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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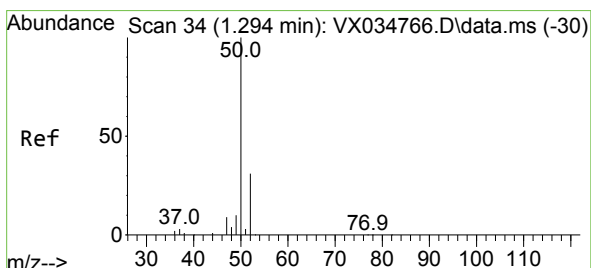
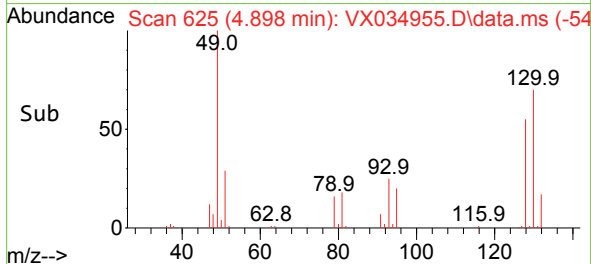
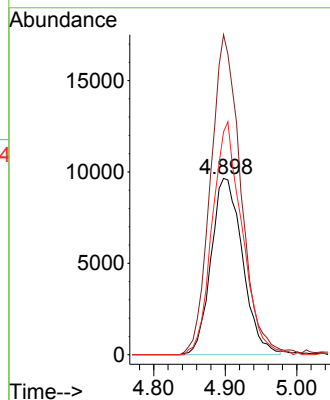
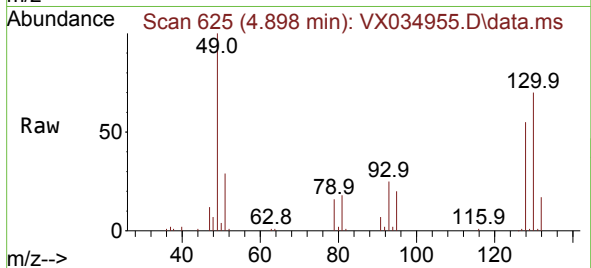




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

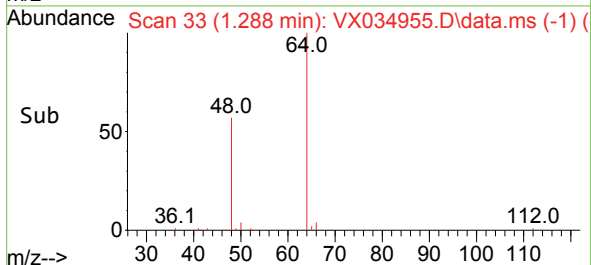
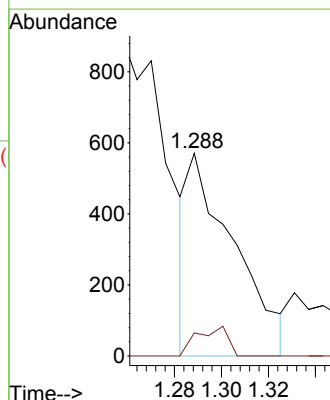
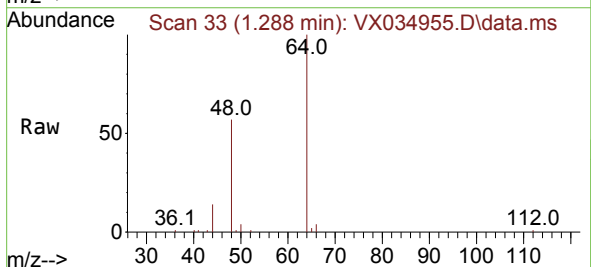
Instrument :
MSVOA_X
ClientSampleId :
IBLK

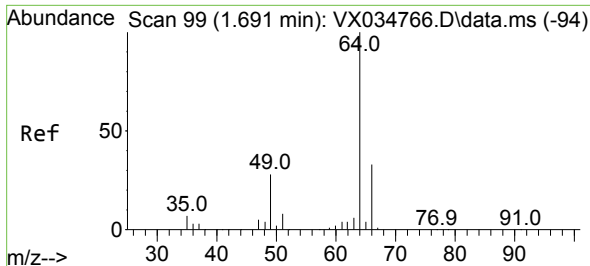
Tgt Ion:128 Resp: 29407
Ion Ratio Lower Upper
128 100
49 174.5 0.0 428.8
130 125.7 0.0 310.8



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

Tgt Ion: 50 Resp: 779
Ion Ratio Lower Upper
50 100
52 14.4 24.6 36.8#

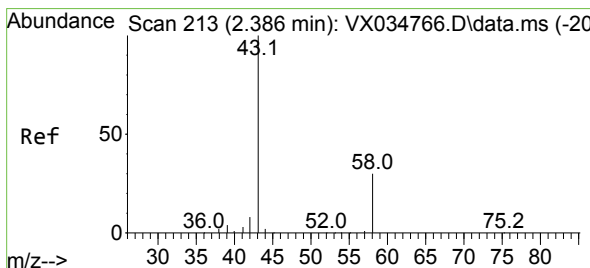
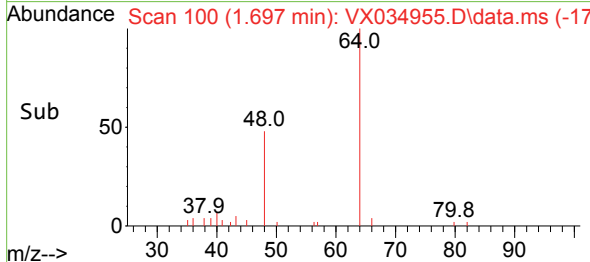
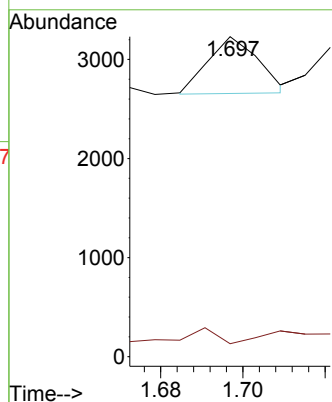
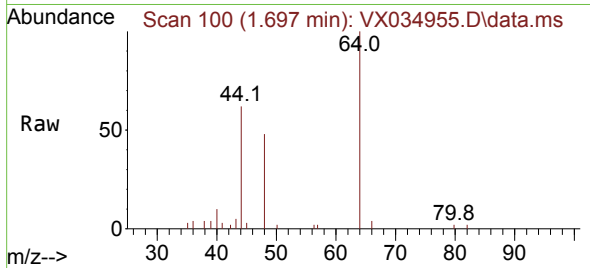




#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

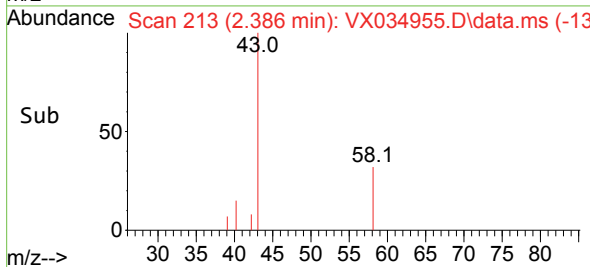
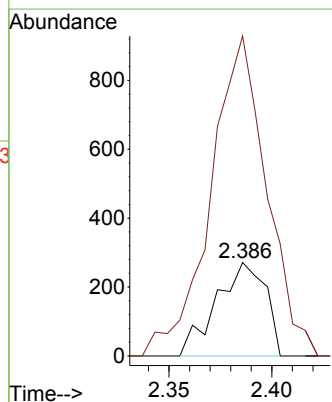
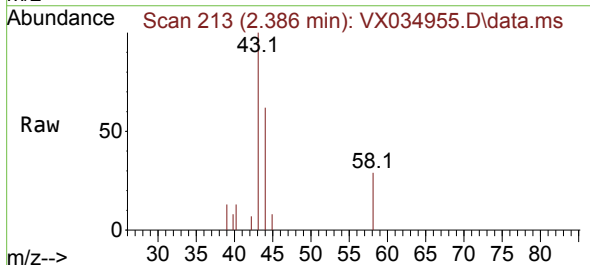
Instrument :
MSVOA_X
ClientSampleId :
IBLK

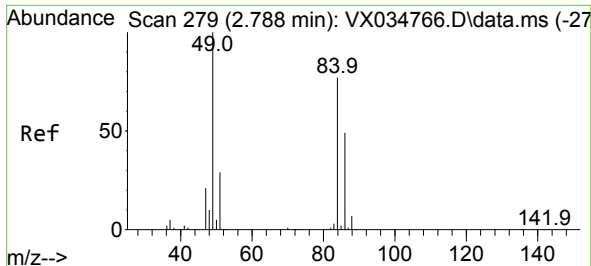
Tgt Ion: 64 Resp: 488
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#15
Acetone
Concen: 0.933 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

Tgt Ion: 58 Resp: 451
Ion Ratio Lower Upper
58 100
43 304.4 270.8 406.2

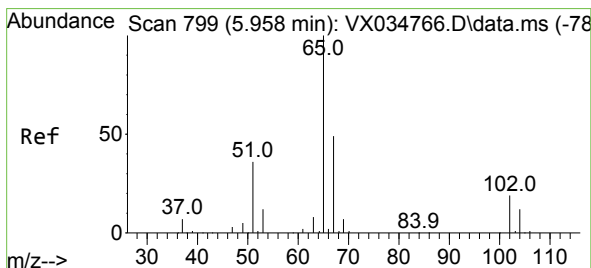
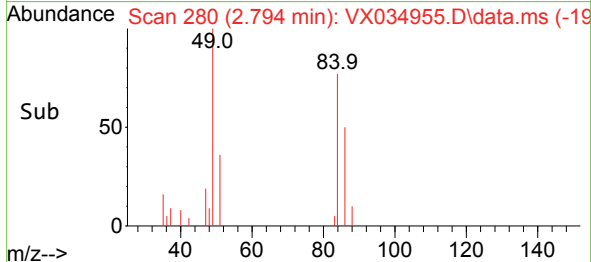
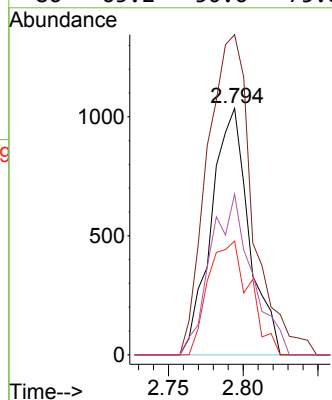
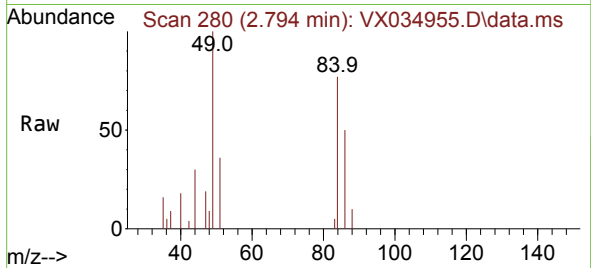




#18
Methylene Chloride
Concen: 0.528 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

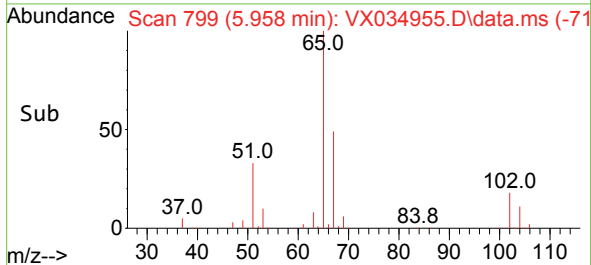
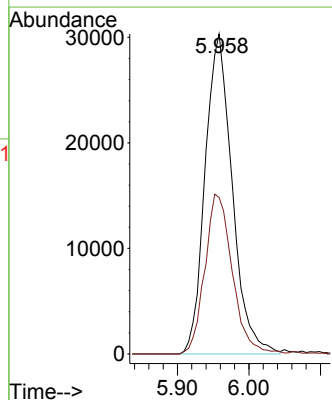
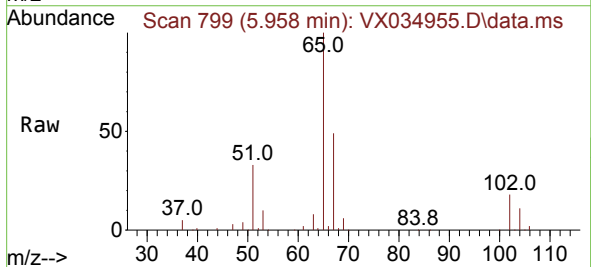
Instrument :
MSVOA_X
ClientSampleId :
IBLK

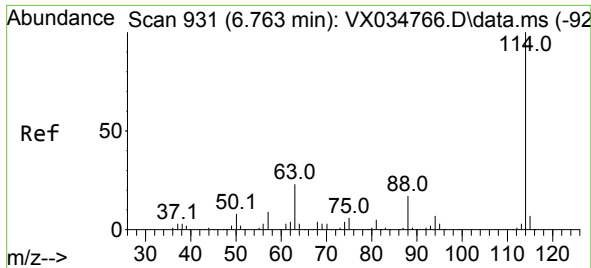
Tgt Ion:	84	Resp:	1815
Ion	Ratio	Lower	Upper
84	100		
49	129.8	103.9	155.9
51	46.1	30.6	45.8#
86	65.2	50.6	75.8



#27
1,2-Dichloroethane-d4
Concen: 28.251 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

Tgt Ion:	65	Resp:	79823
Ion	Ratio	Lower	Upper
65	100		
67	50.5	40.9	61.3

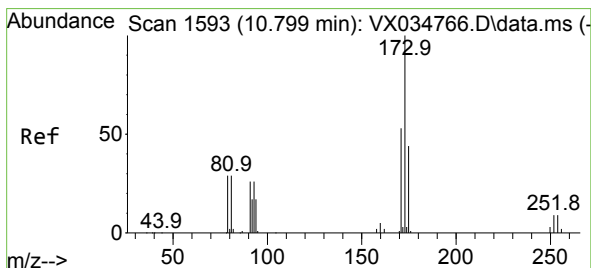
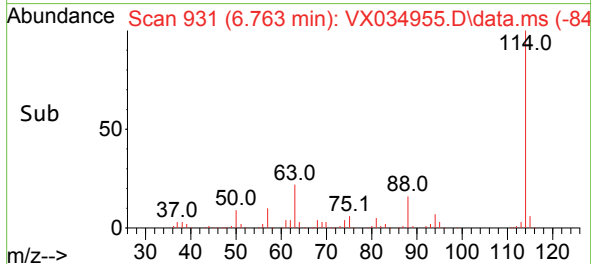
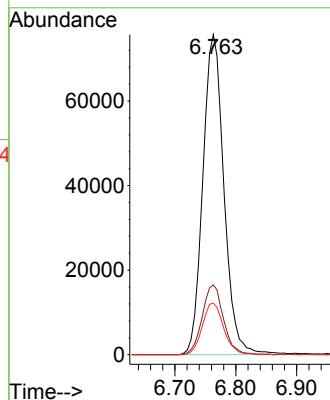
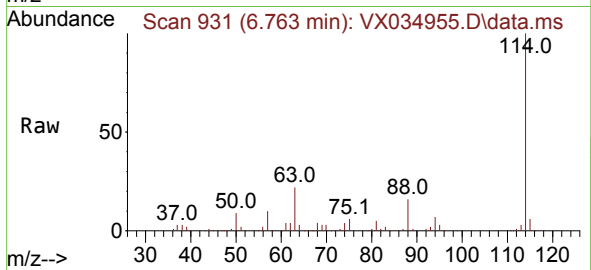




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

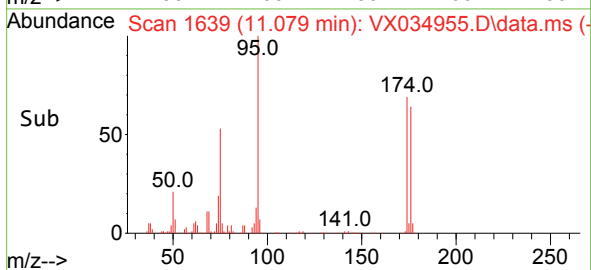
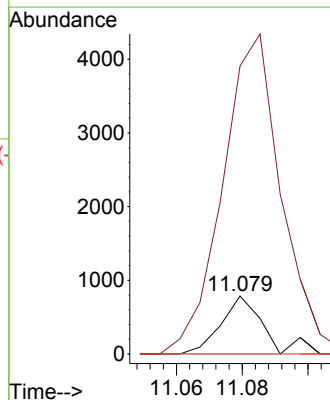
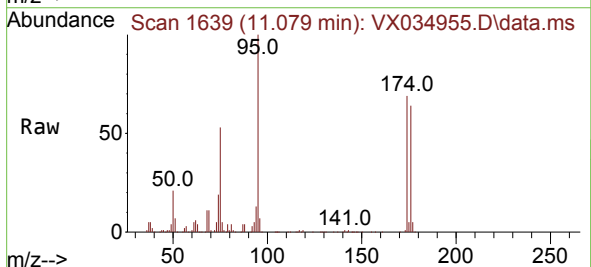
Instrument :
MSVOA_X
ClientSampleId :
IBLK

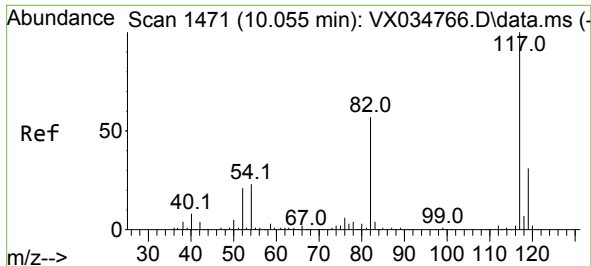
Tgt Ion:114 Resp: 182199
Ion Ratio Lower Upper
114 100
63 22.0 18.0 27.0
88 16.2 13.3 19.9



#56
Bromoform
Concen: 0.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

Tgt Ion:173 Resp: 637
Ion Ratio Lower Upper
173 100
175 846.6 37.0 55.4#
254 0.0 6.7 10.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034955.D

Acq: 06 Apr 2023 14:58

Instrument :

MSVOA_X

ClientSampleId :

IBLK

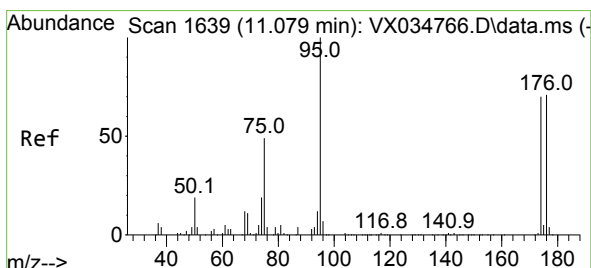
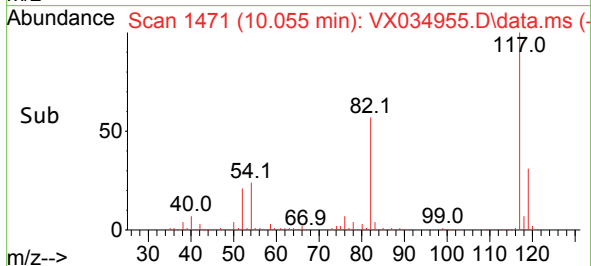
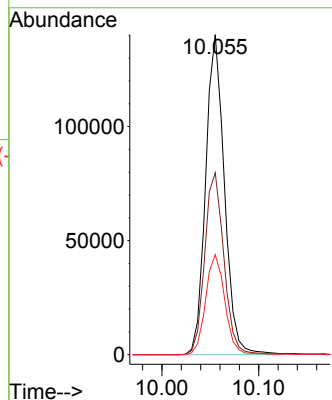
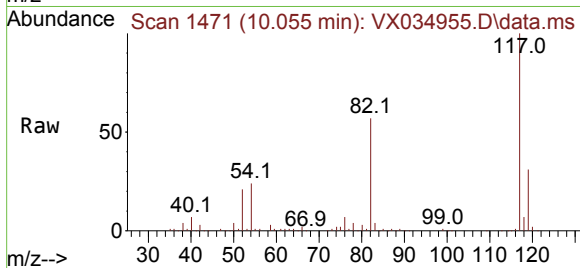
Tgt Ion:117 Resp: 189441

Ion Ratio Lower Upper

117 100

82 58.3 45.8 68.8

119 32.1 25.4 38.0



#60

4-Bromofluorobenzene

Concen: 27.812 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034955.D

Acq: 06 Apr 2023 14:58

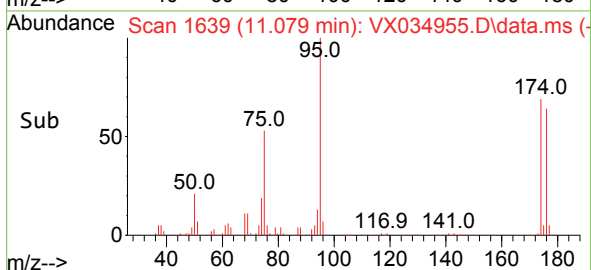
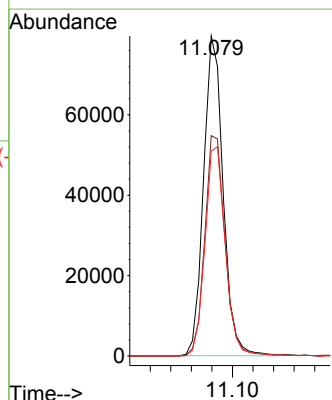
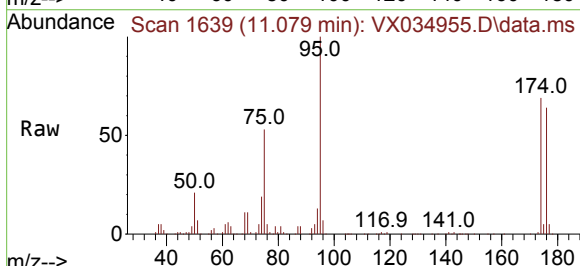
Tgt Ion: 95 Resp: 105277

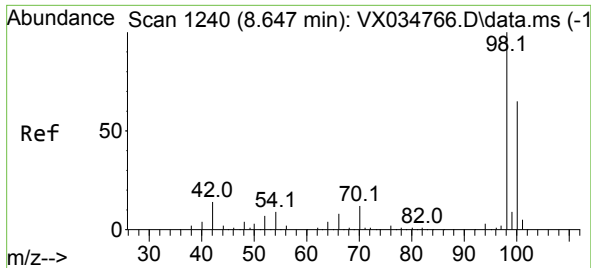
Ion Ratio Lower Upper

95 100

174 71.3 0.2 0.4#

176 68.1 0.2 0.2#

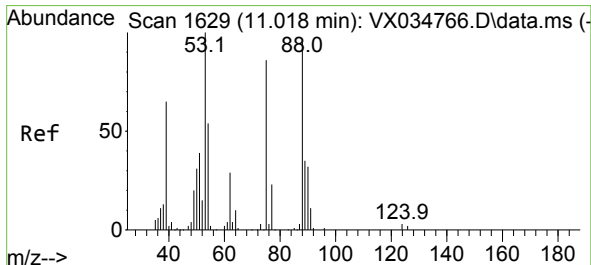
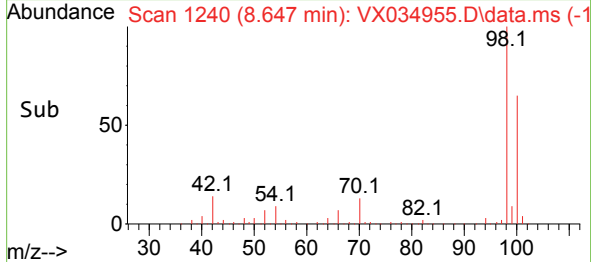
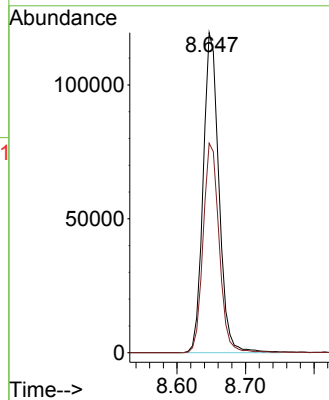
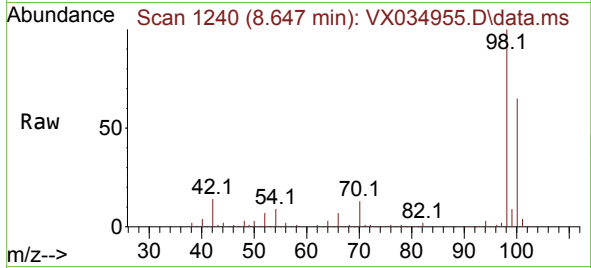




#63
Toluene-d8
Concen: 29.725 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 191366
Ion Ratio Lower Upper
98 100
100 66.6 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 45.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034955.D
Acq: 06 Apr 2023 14:58

Tgt Ion: 75 Resp: 55938
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#

