

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042952.D
 Acq On : 08 Aug 2024 14:14
 Operator : JC/MD
 Sample : PB162548ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#06

Quant Time: Aug 09 05:09:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

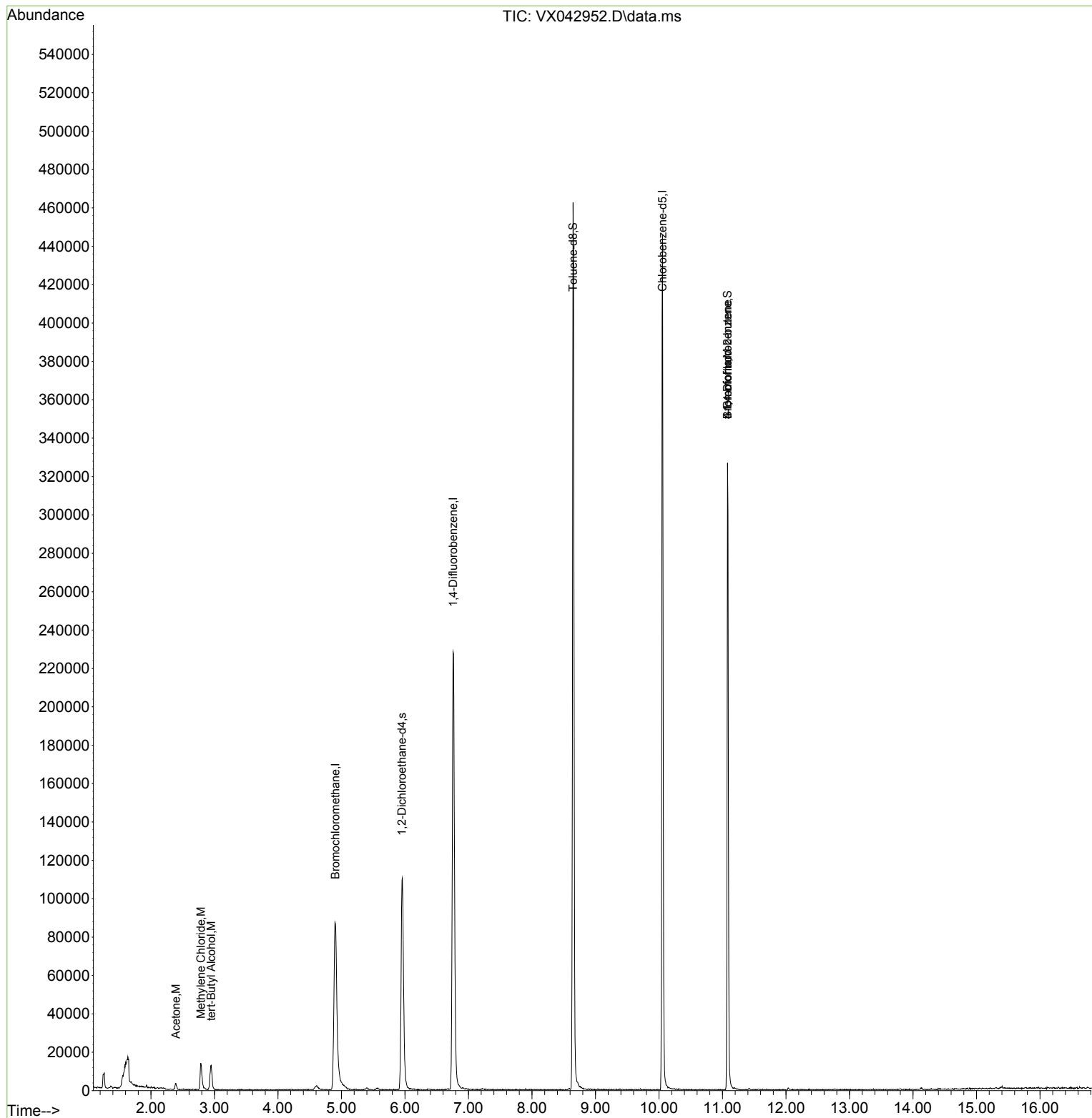
Internal Standards						
1) Bromochloromethane	4.904	128	41204	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	244106	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	212467	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	112096	29.462	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.200%
60) 4-Bromofluorobenzene	11.079	95	90024	25.971	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.567%
63) Toluene-d8	8.647	98	288059	30.015	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.033%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1046	1.969	ug/l	82
18) Methylene Chloride	2.788	84	7280	2.546	ug/l	93
23) tert-Butyl Alcohol	2.947	59	7944	10.516	ug/l #	100
56) Bromoform	11.079	173	851	0.386	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	46798	39.378	ug/l #	11

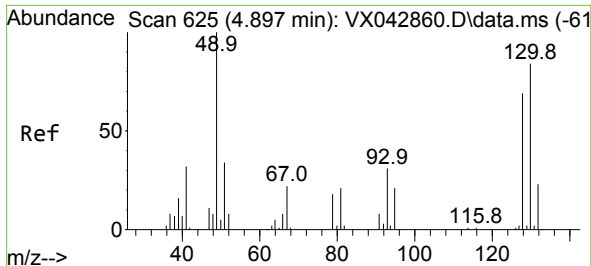
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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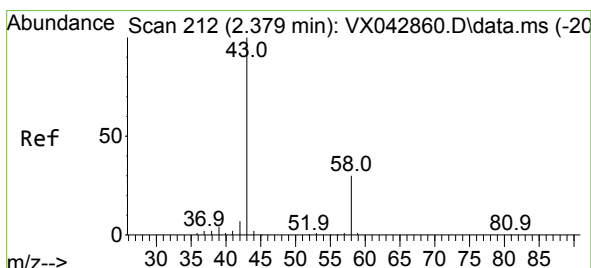
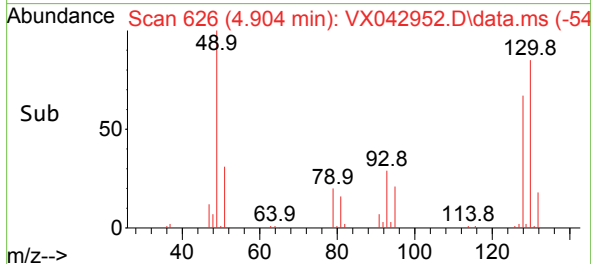
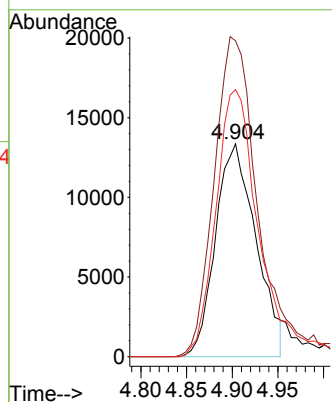
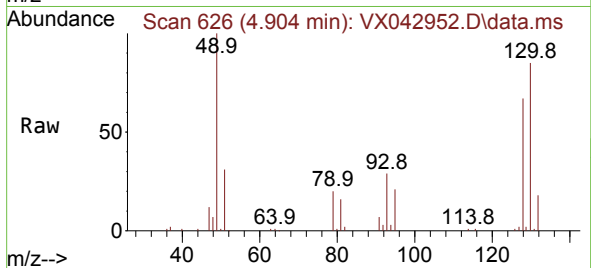




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

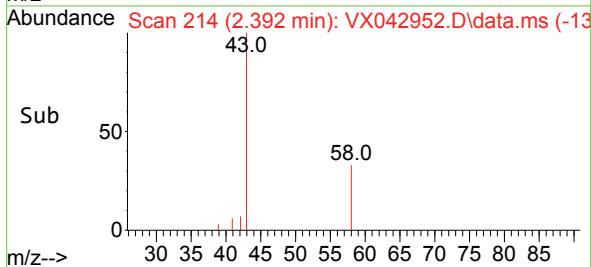
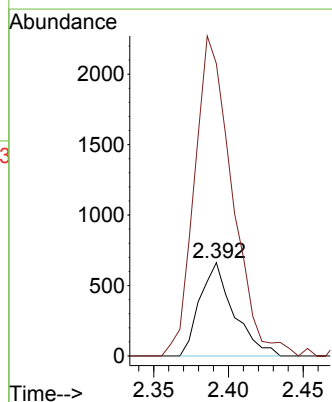
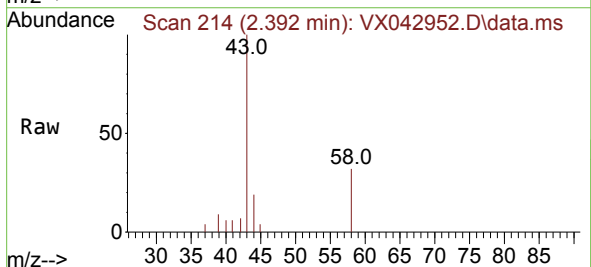
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#06

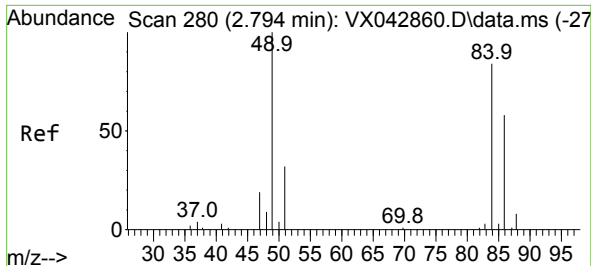
Tgt Ion:128 Resp: 41204
Ion Ratio Lower Upper
128 100
49 160.3 0.0 400.5
130 134.4 0.0 333.0



#15
Acetone
Concen: 1.969 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.013 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

Tgt Ion: 58 Resp: 1046
Ion Ratio Lower Upper
58 100
43 298.8 269.9 404.9



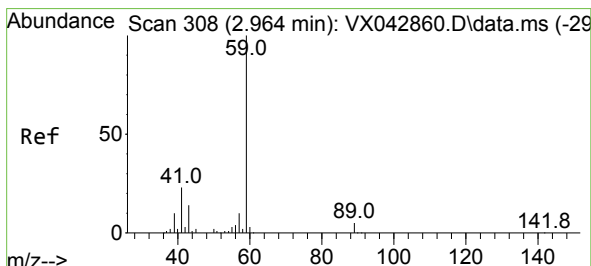
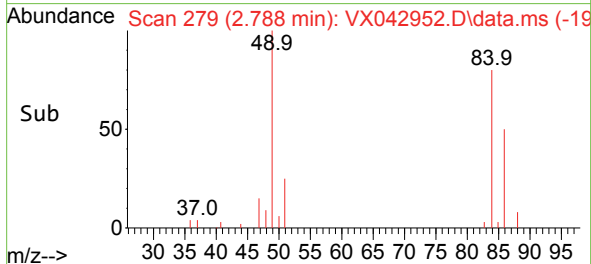
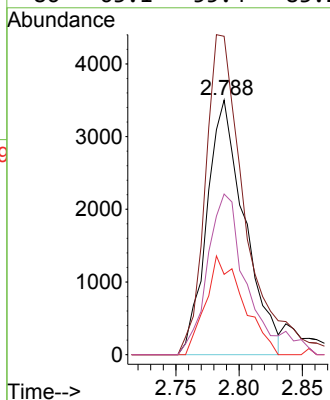
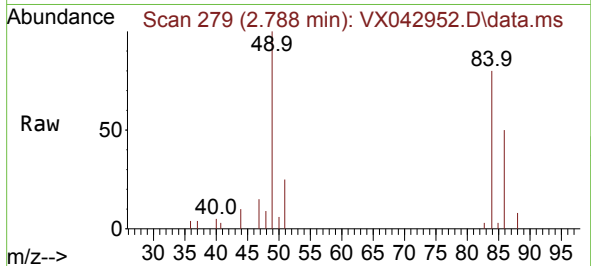


#18
Methylene Chloride
Concen: 2.546 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#06

Tgt Ion: 84 Resp: 7280

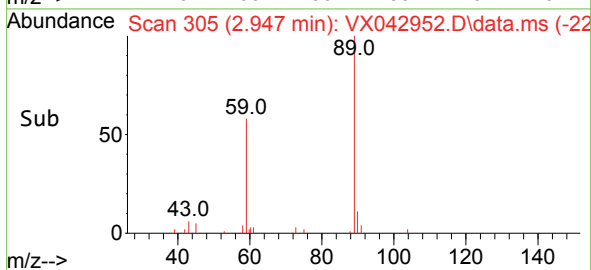
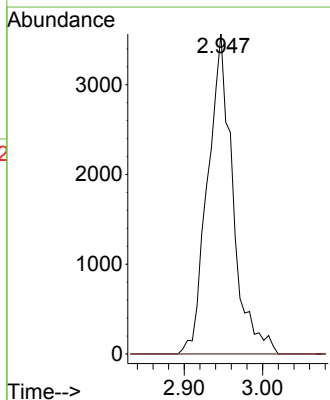
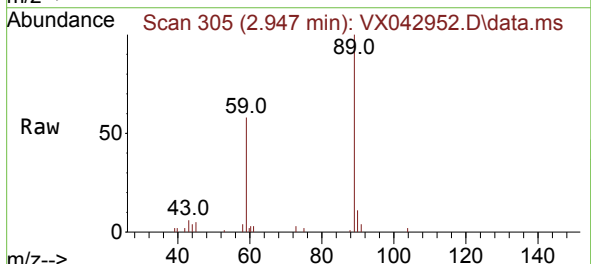
Ion	Ratio	Lower	Upper
84	100		
49	125.1	95.0	142.6
51	31.5	30.1	45.1
86	63.1	55.4	83.2

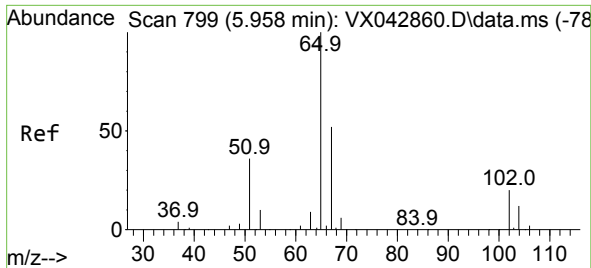


#23
tert-Butyl Alcohol
Concen: 10.516 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

Tgt Ion: 59 Resp: 7944

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

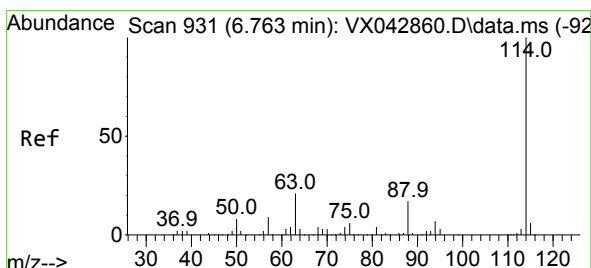
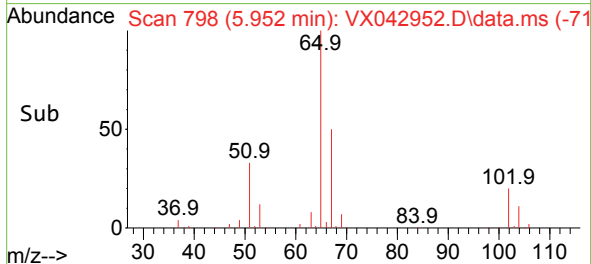
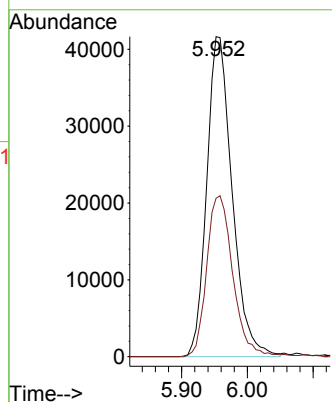
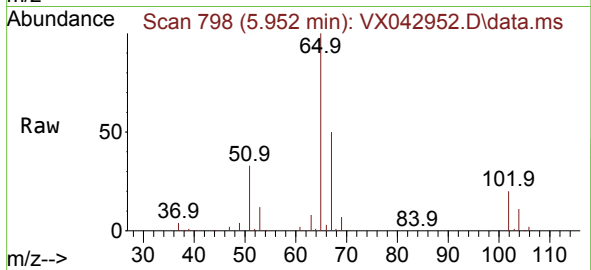




#27
1,2-Dichloroethane-d4
Concen: 29.462 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

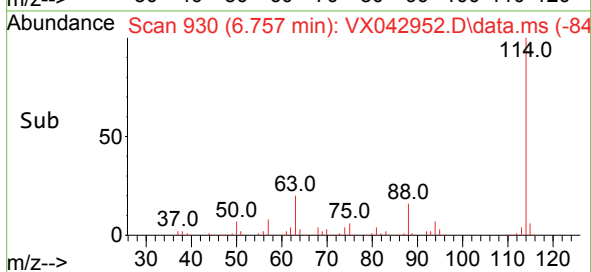
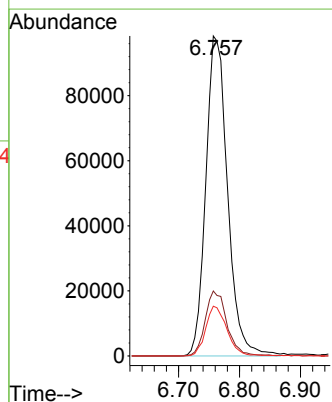
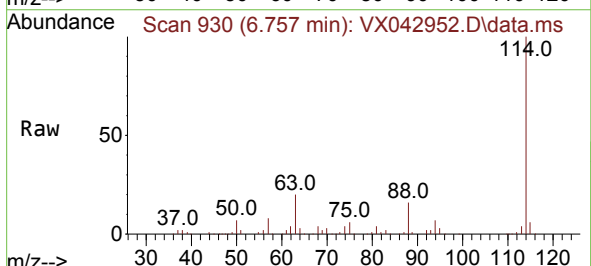
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#06

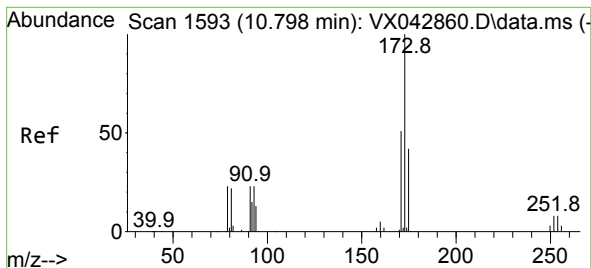
Tgt Ion: 65 Resp: 112096
Ion Ratio Lower Upper
65 100
67 51.5 40.6 60.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

Tgt Ion: 114 Resp: 244106
Ion Ratio Lower Upper
114 100
63 20.2 16.0 24.0
88 15.0 12.5 18.7





#56

Bromoform

Concen: 0.386 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX042952.D

Acq: 08 Aug 2024 14:14

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#06

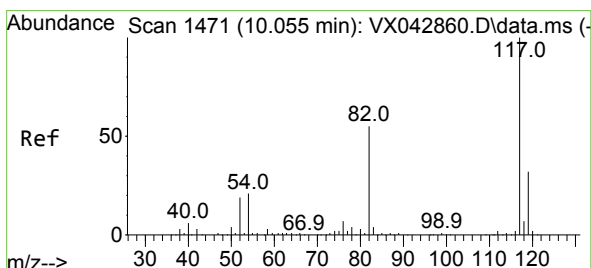
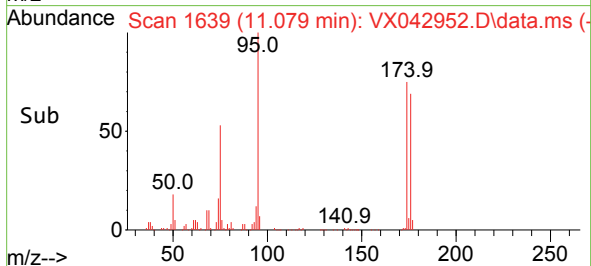
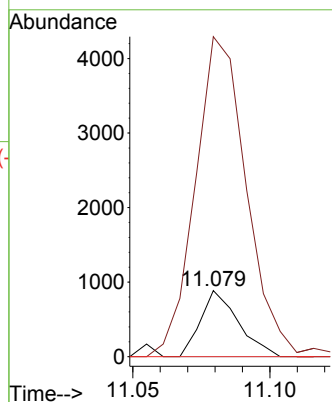
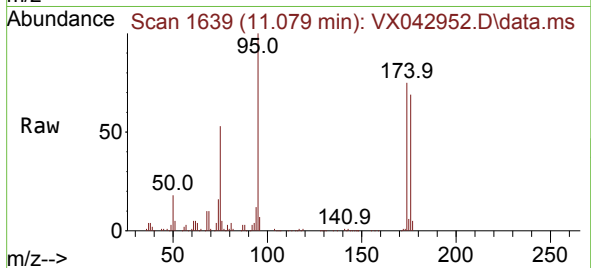
Tgt Ion:173 Resp: 851

Ion Ratio Lower Upper

173 100

175 652.3 37.1 55.7#

254 0.0 6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VX042952.D

Acq: 08 Aug 2024 14:14

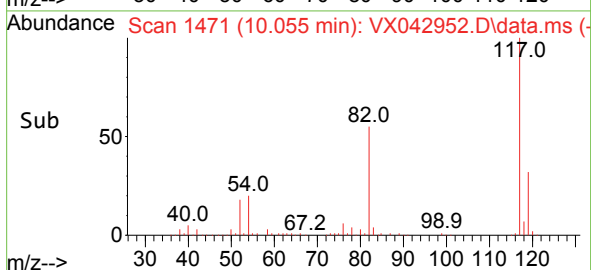
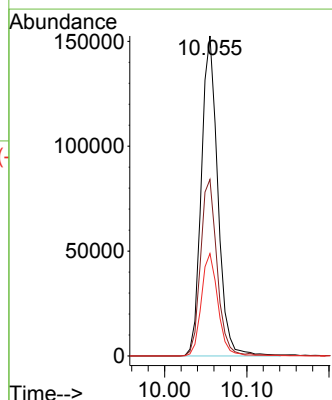
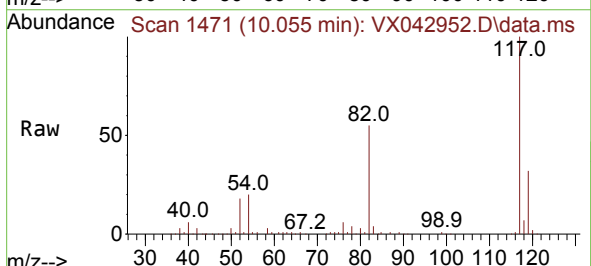
Tgt Ion:117 Resp: 212467

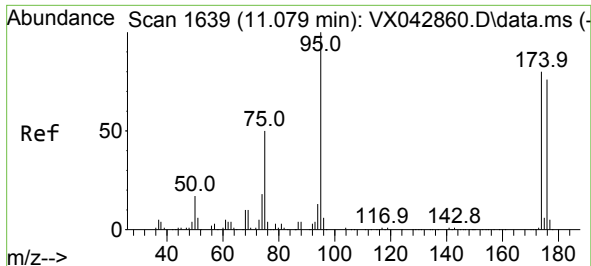
Ion Ratio Lower Upper

117 100

82 55.0 44.9 67.3

119 32.1 25.4 38.2

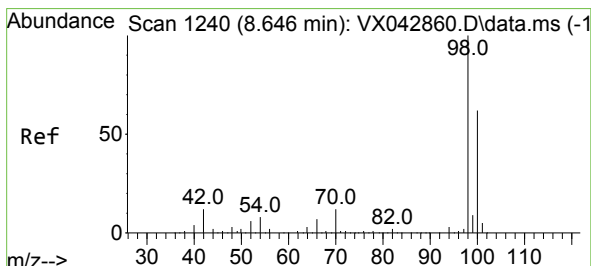
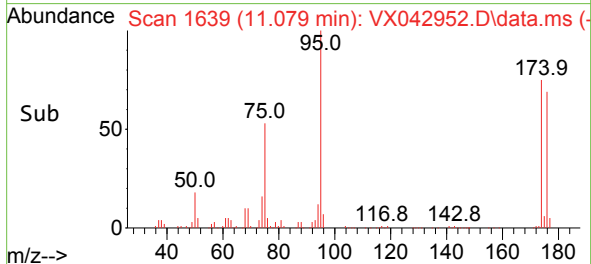
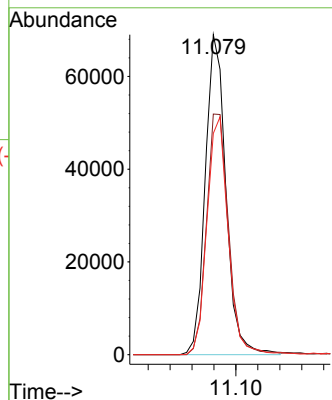
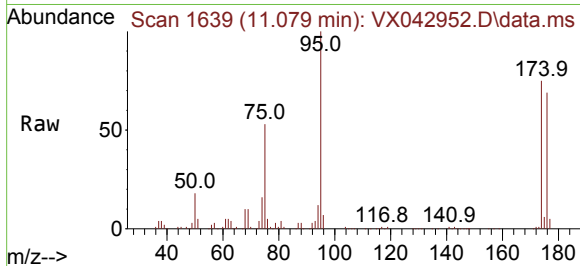




#60
4-Bromofluorobenzene
Concen: 25.971 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

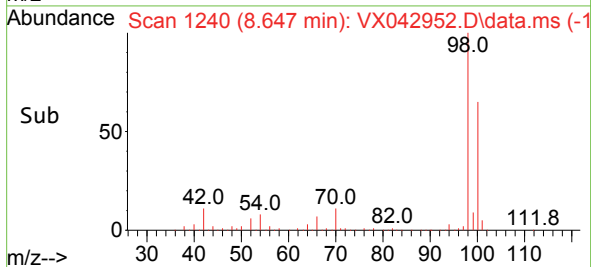
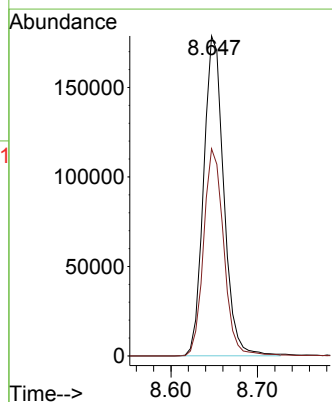
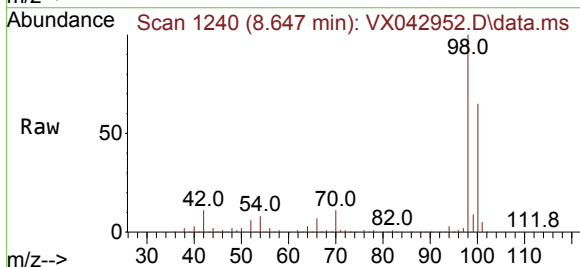
Instrument :
MSVOA_X
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PB162548ZHE#06

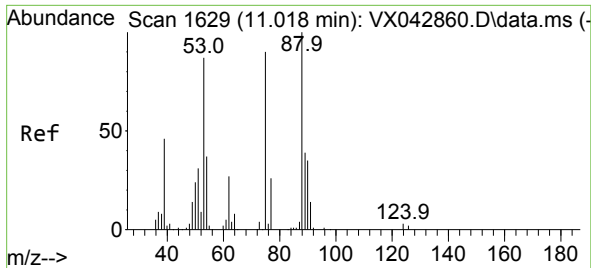
Tgt Ion: 95 Resp: 90024
Ion Ratio Lower Upper
95 100
174 80.8 65.0 97.6
176 76.5 63.4 95.0



#63
Toluene-d8
Concen: 30.015 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX042952.D
Acq: 08 Aug 2024 14:14

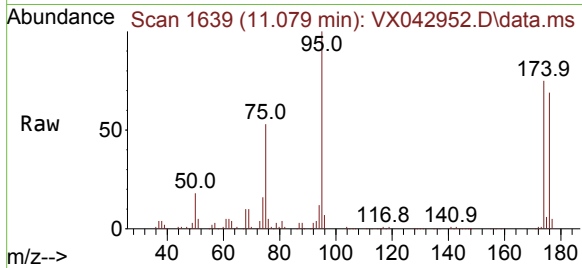
Tgt Ion: 98 Resp: 288059
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.378 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042952.D
 Acq: 08 Aug 2024 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#06



Tgt Ion: 75 Resp: 46798
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.2 21.9 65.5#

