

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042955.D
 Acq On : 08 Aug 2024 15:24
 Operator : JC/MD
 Sample : PB162548ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#09

Quant Time: Aug 09 05:10:48 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)

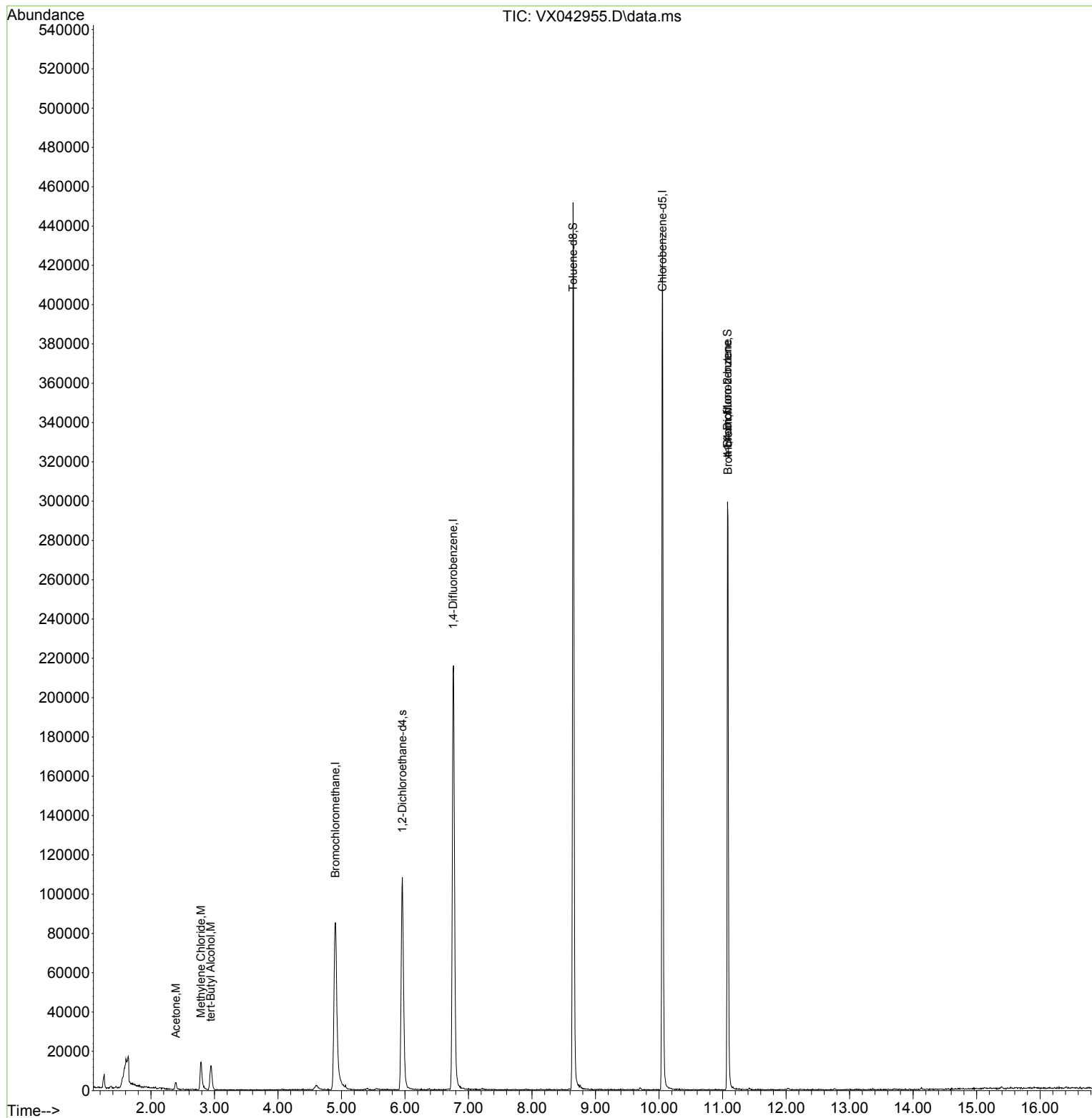
Internal Standards						
1) Bromochloromethane	4.903	128	40920	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	229891	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	202282	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	105446	27.906	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.033%
60) 4-Bromofluorobenzene	11.079	95	85525	25.916	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.400%
63) Toluene-d8	8.647	98	278414	30.471	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.567%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1353	2.565	ug/l #	63
18) Methylene Chloride	2.788	84	8114	2.857	ug/l	94
23) tert-Butyl Alcohol	2.940	59	7390	9.851	ug/l #	100
56) Bromoform	11.085	173	903	0.435	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	43216	38.195	ug/l #	11

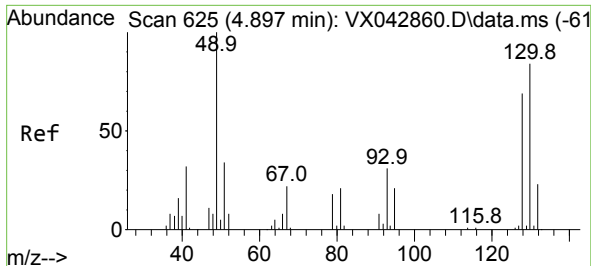
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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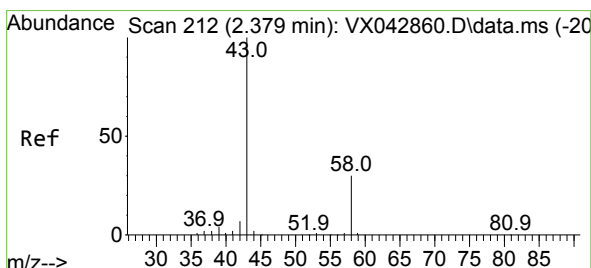
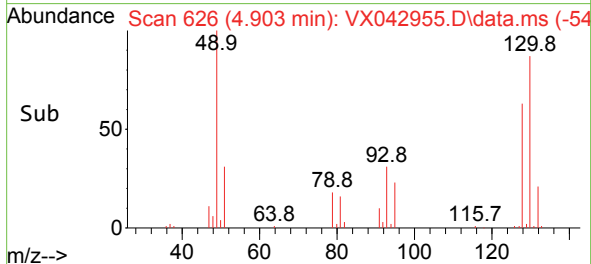
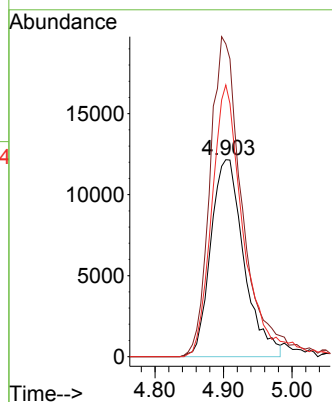
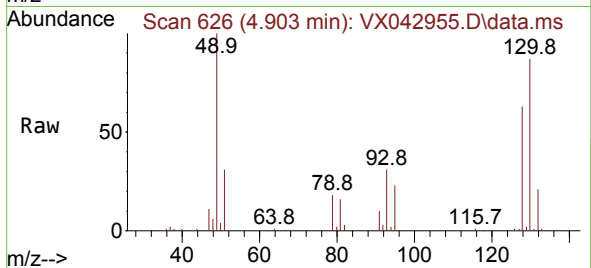




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

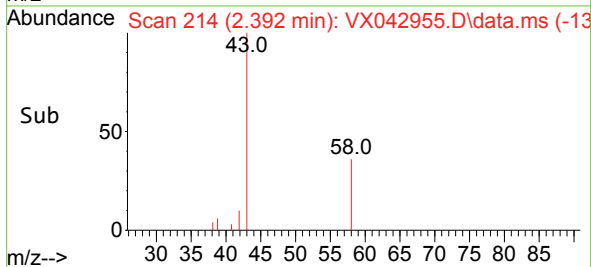
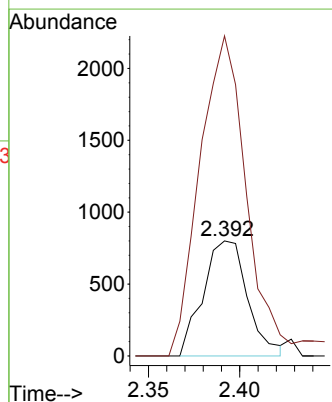
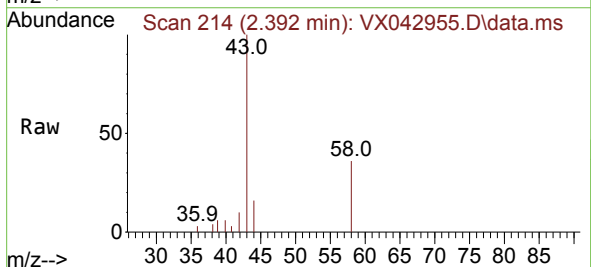
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#09

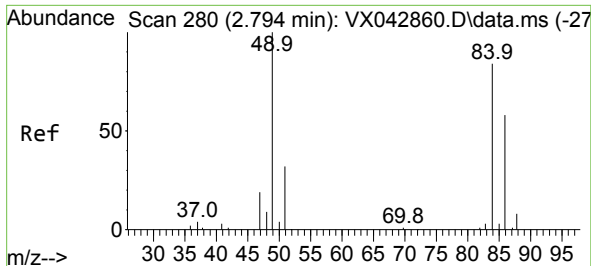
Tgt Ion:128 Resp: 40920
Ion Ratio Lower Upper
128 100
49 156.5 0.0 400.5
130 129.5 0.0 333.0



#15
Acetone
Concen: 2.565 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

Tgt Ion: 58 Resp: 1353
Ion Ratio Lower Upper
58 100
43 259.9 269.9 404.9#

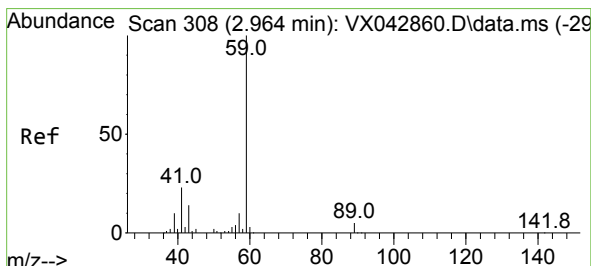
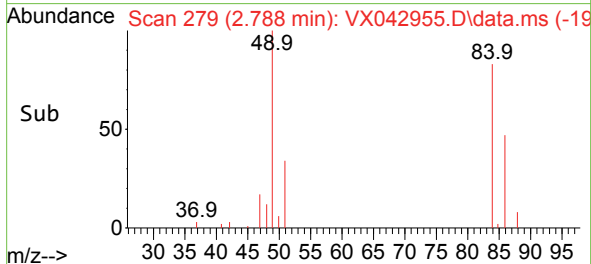
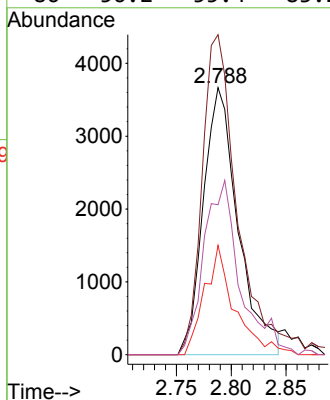
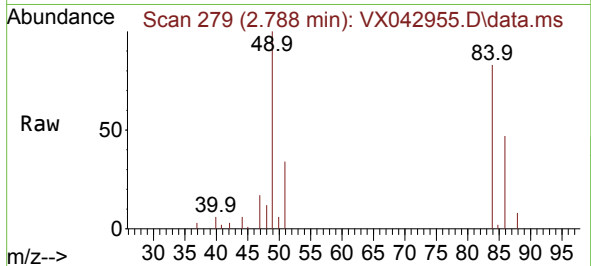




#18
Methylene Chloride
Concen: 2.857 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

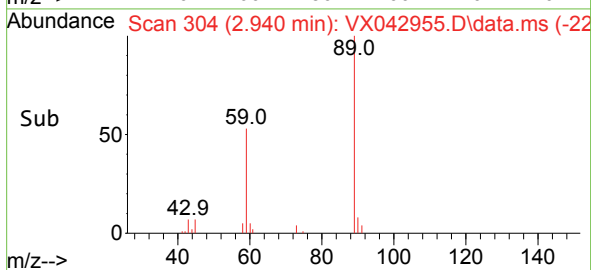
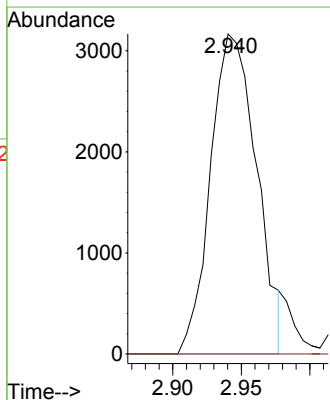
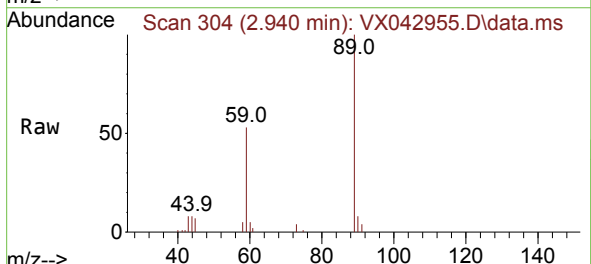
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#09

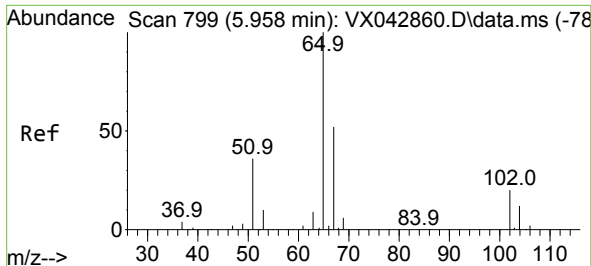
Tgt Ion: 84	Resp: 8114
Ion Ratio	Lower Upper
84 100	
49 119.9	95.0 142.6
51 40.9	30.1 45.1
86 56.2	55.4 83.2



#23
tert-Butyl Alcohol
Concen: 9.851 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

Tgt Ion: 59	Resp: 7390		
Ion Ratio	Lower	Upper	
59 100			
52 0.0	0.1	0.1#	

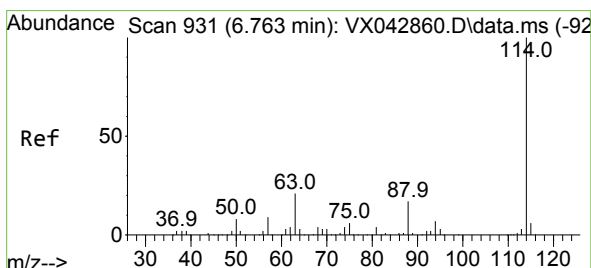
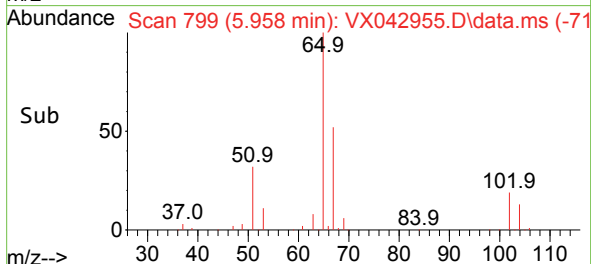
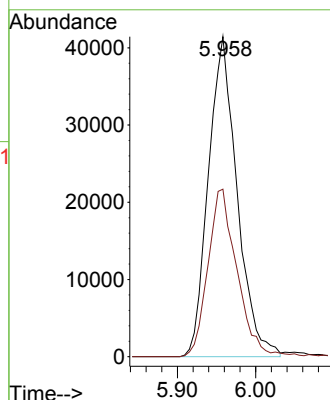
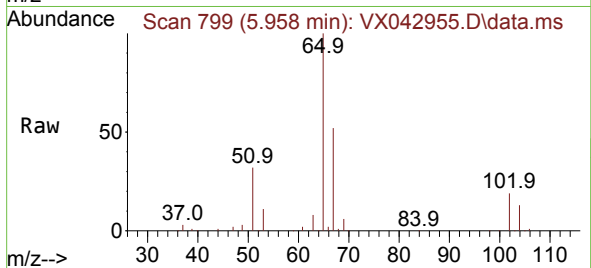




#27
1,2-Dichloroethane-d4
Concen: 27.906 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

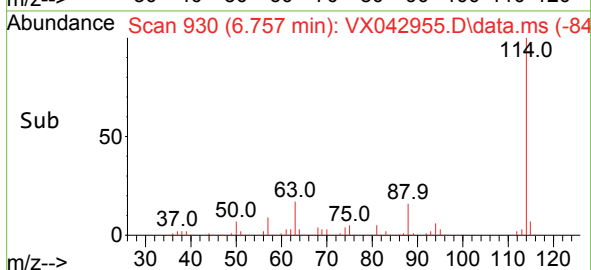
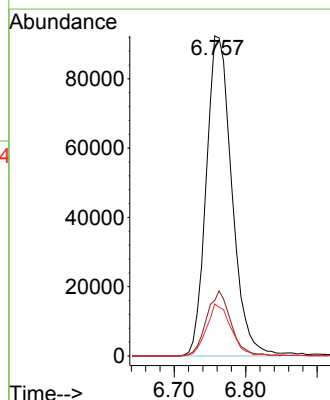
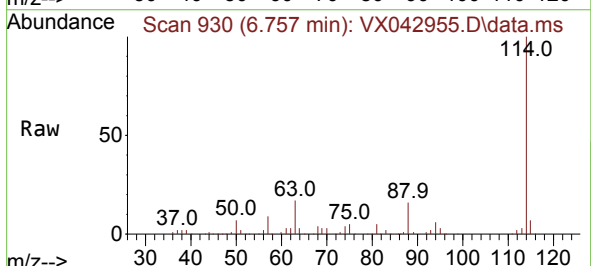
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#09

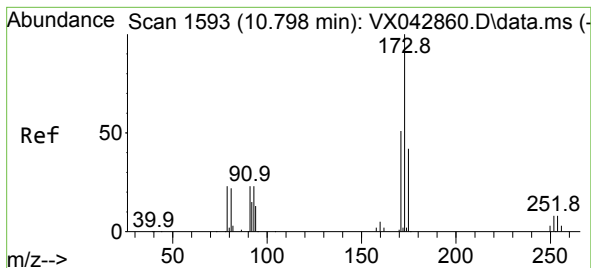
Tgt Ion: 65 Resp: 105446
Ion Ratio Lower Upper
65 100
67 52.2 40.6 60.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

Tgt Ion: 114 Resp: 229891
Ion Ratio Lower Upper
114 100
63 19.2 16.0 24.0
88 15.4 12.5 18.7





#56

Bromoform

Concen: 0.435 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX042955.D

Acq: 08 Aug 2024 15:24

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#09

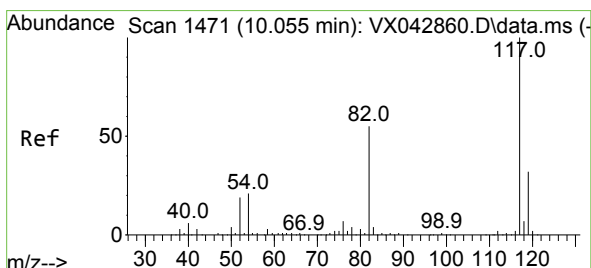
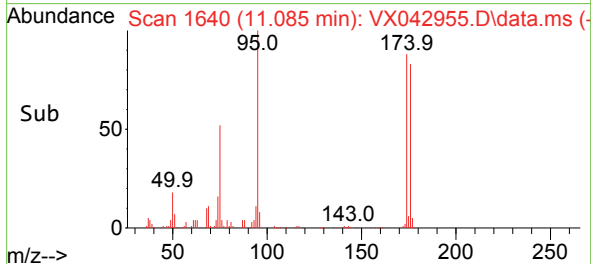
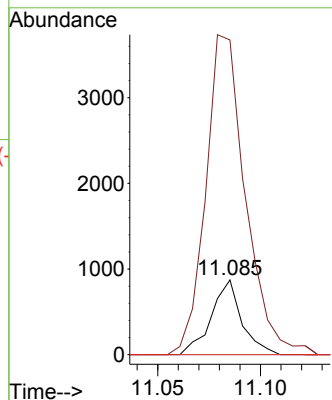
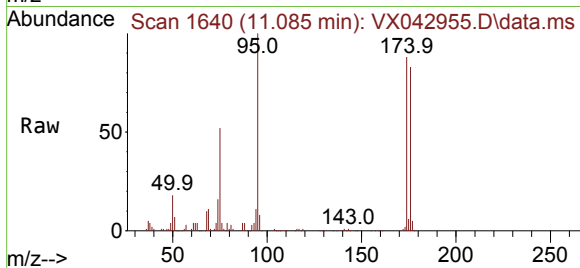
Tgt Ion:173 Resp: 903

Ion Ratio Lower Upper

173 100

175 557.1 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. 0.000 min

Lab File: VX042955.D

Acq: 08 Aug 2024 15:24

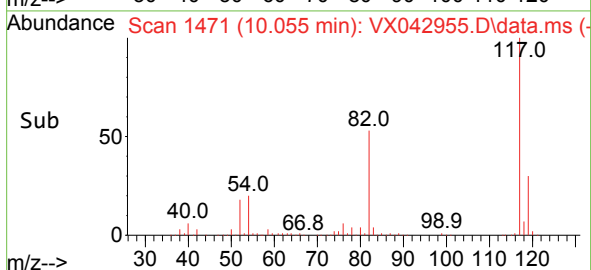
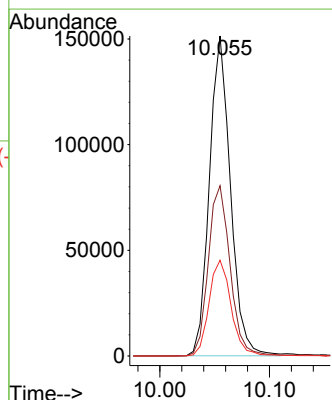
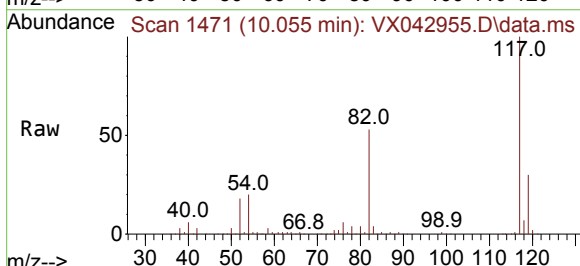
Tgt Ion:117 Resp: 202282

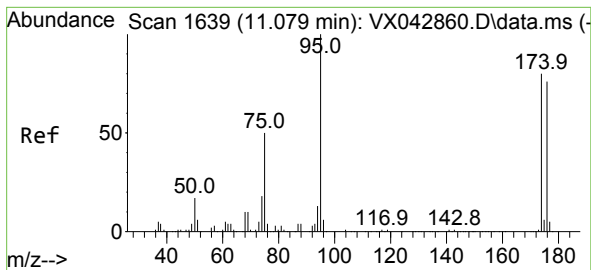
Ion Ratio Lower Upper

117 100

82 55.3 44.9 67.3

119 31.3 25.4 38.2

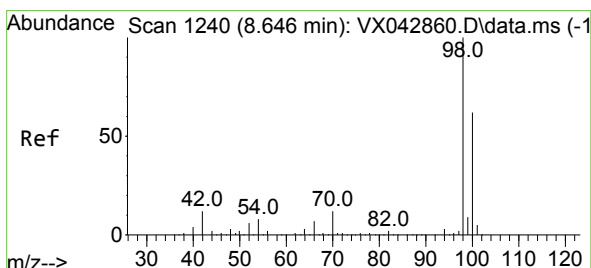
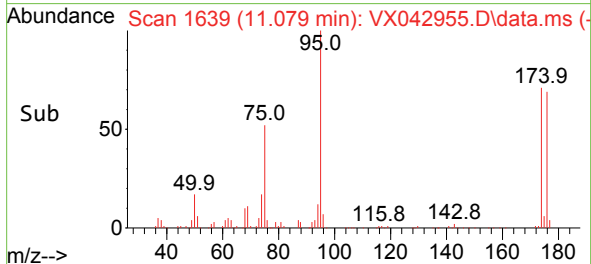
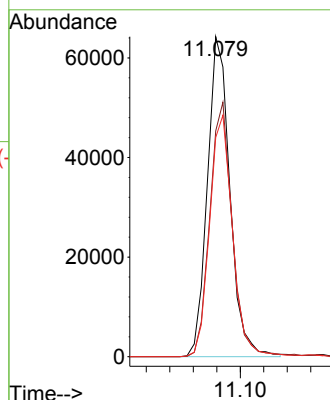
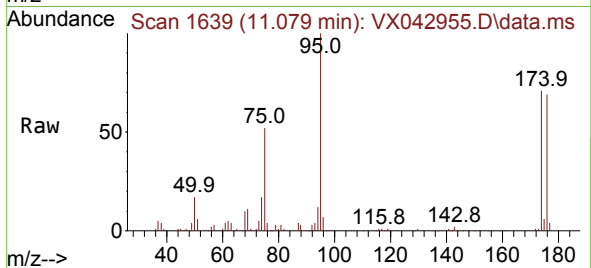




#60
4-Bromofluorobenzene
Concen: 25.916 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

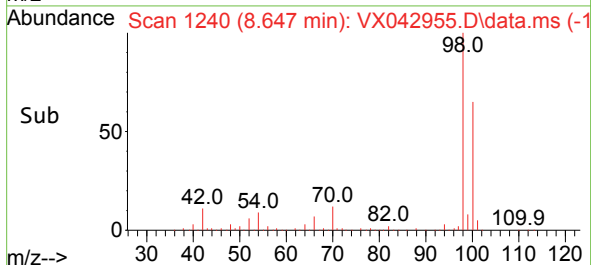
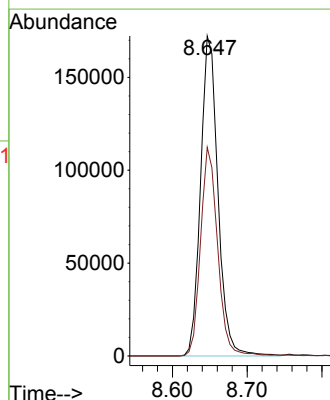
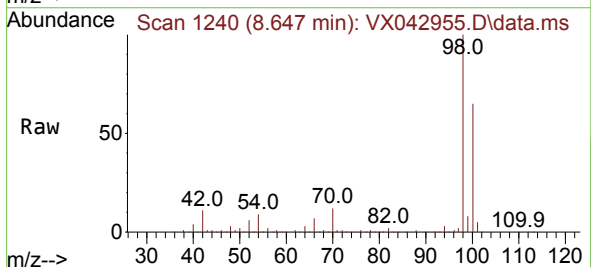
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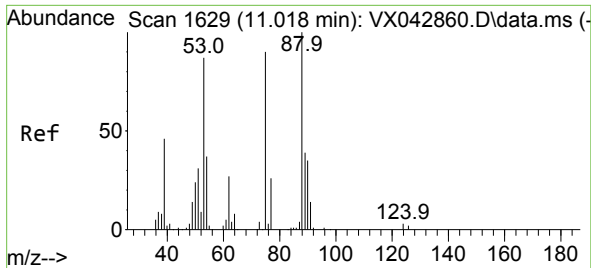
Tgt Ion: 95 Resp: 85525
Ion Ratio Lower Upper
95 100
174 78.6 65.0 97.6
176 77.0 63.4 95.0



#63
Toluene-d8
Concen: 30.471 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042955.D
Acq: 08 Aug 2024 15:24

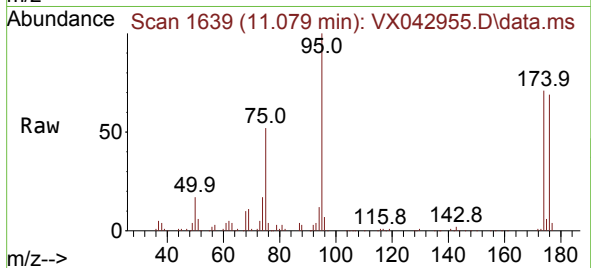
Tgt Ion: 98 Resp: 278414
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.195 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042955.D
 Acq: 08 Aug 2024 15:24

Instrument :
 MSVOA_X
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 PB162548ZHE#09



Tgt Ion: 75 Resp: 43216
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#

