

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042953.D
 Acq On : 08 Aug 2024 14:37
 Operator : JC/MD
 Sample : PB162548ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 09 05:09:59 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)

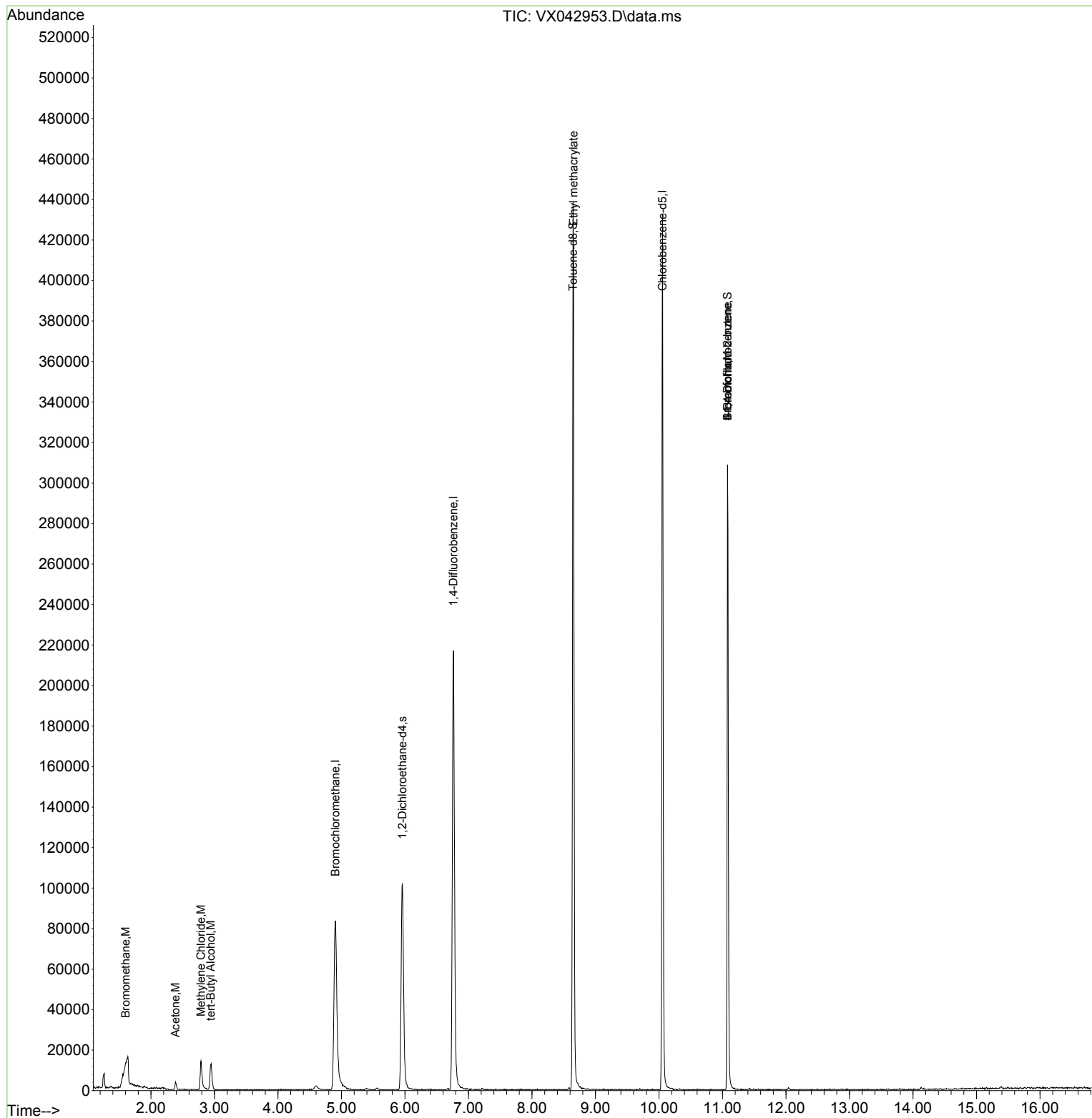
Internal Standards						
1) Bromochloromethane	4.904	128	40494	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	224175	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	193573	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	103935	27.796	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.667%
60) 4-Bromofluorobenzene	11.079	95	83921	26.574	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.567%
63) Toluene-d8	8.647	98	272695	31.187	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.967%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	323	0.227	ug/l	99
15) Acetone	2.386	58	1135	2.174	ug/l #	46
18) Methylene Chloride	2.788	84	7047	2.507	ug/l #	91
23) tert-Butyl Alcohol	2.941	59	7360	9.914	ug/l #	100
51) Ethyl methacrylate	8.653	69	897	0.226	ug/l	83
56) Bromoform	11.079	173	643	0.317	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	42780	39.511	ug/l #	11

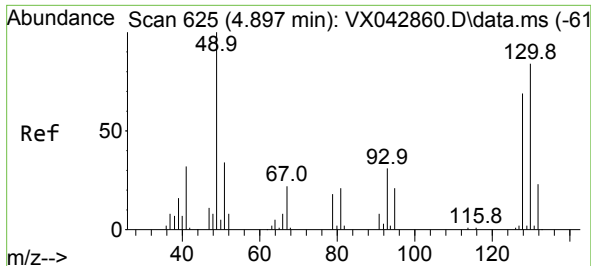
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

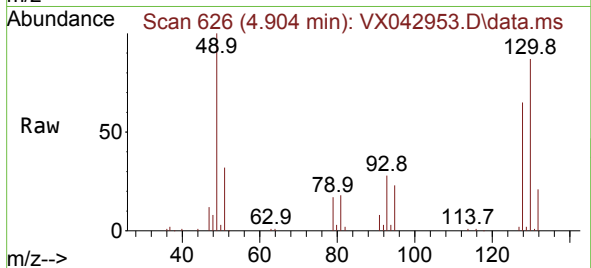
Quant Time: Aug 09 05:09:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
Response via : Initial Calibration



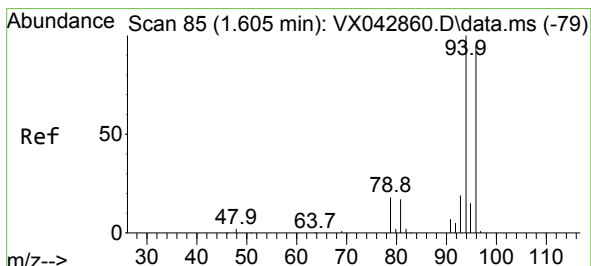
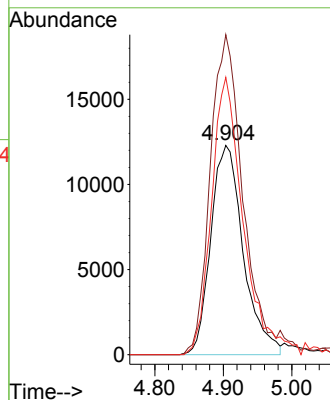
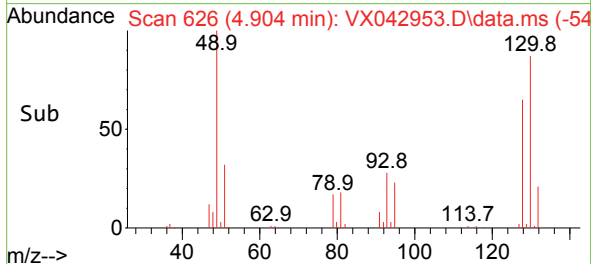


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

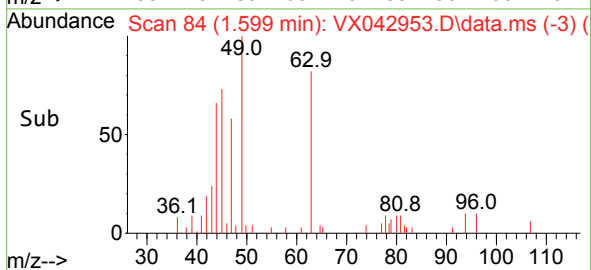
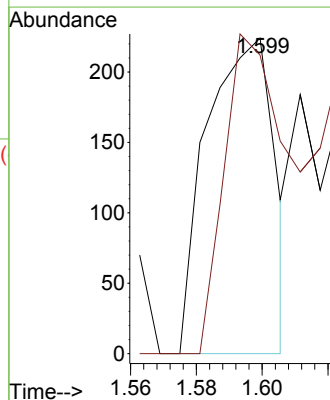
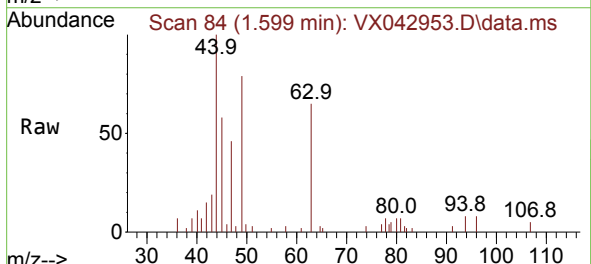


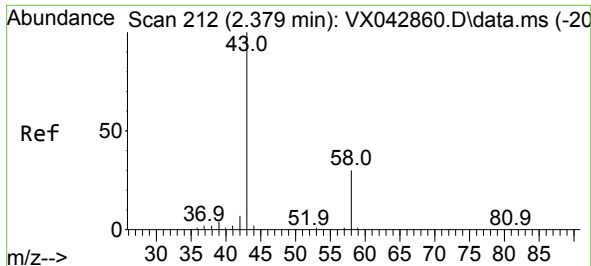
Tgt Ion:	128	Resp:	40494
Ion	Ratio	Lower	Upper
128	100		
49	152.0	0.0	400.5
130	122.4	0.0	333.0



#5
Bromomethane
Concen: 0.227 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

Tgt Ion:	94	Resp:	323
Ion	Ratio	Lower	Upper
94	100		
96	94.6	76.2	114.4





#15

Acetone

Concen: 2.174 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX042953.D

Acq: 08 Aug 2024 14:37

Instrument :

MSVOA_X

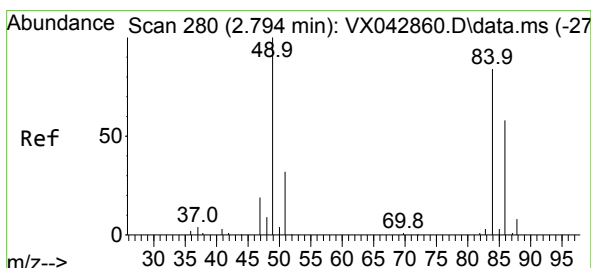
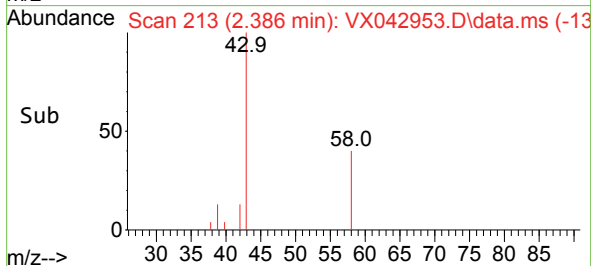
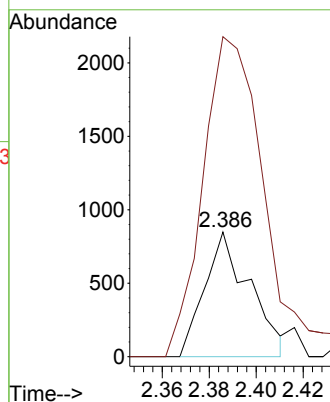
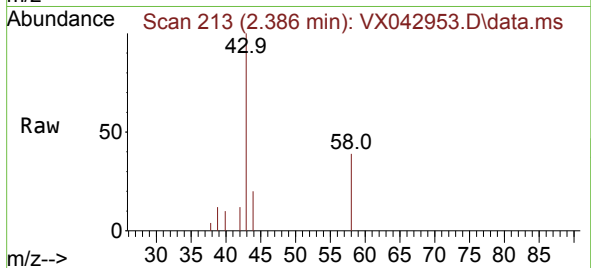
ClientSampleId :

Tgt Ion: 58 Resp: 1135

Ion Ratio Lower Upper

58 100

43 222.1 269.9 404.9#



#18

Methylene Chloride

Concen: 2.507 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX042953.D

Acq: 08 Aug 2024 14:37

Tgt Ion: 84 Resp: 7047

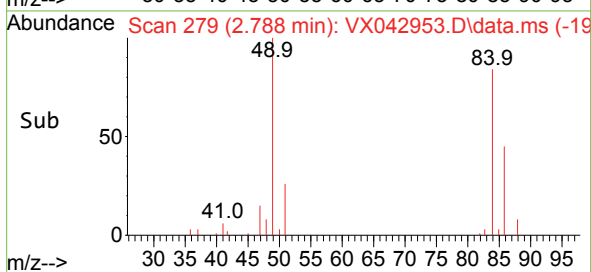
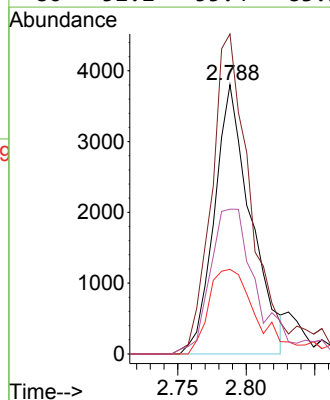
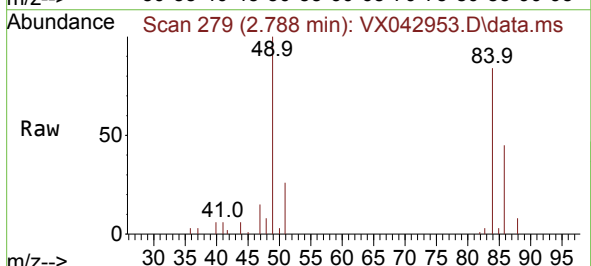
Ion Ratio Lower Upper

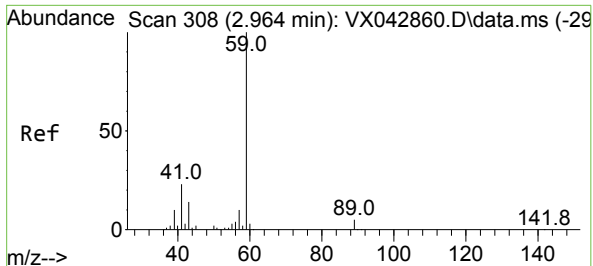
84 100

49 117.2 95.0 142.6

51 31.4 30.1 45.1

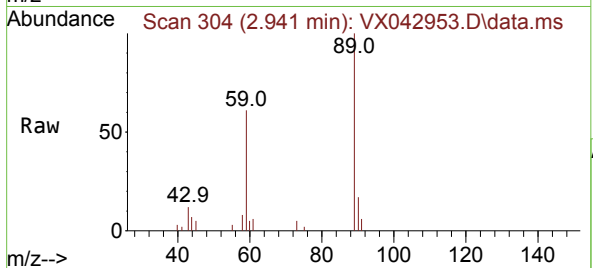
86 52.2 55.4 83.2#



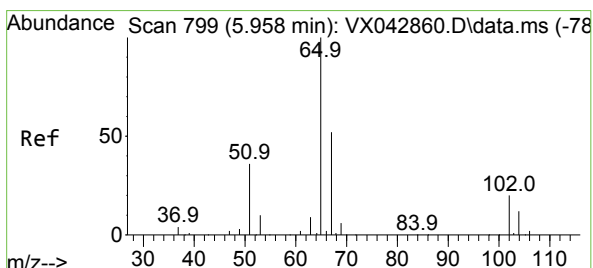
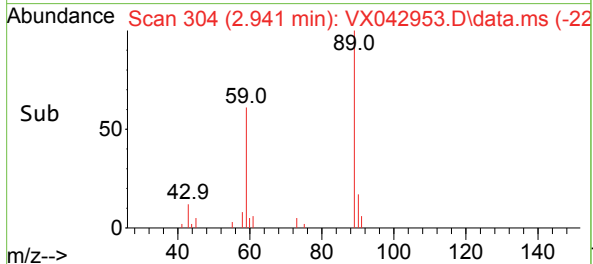
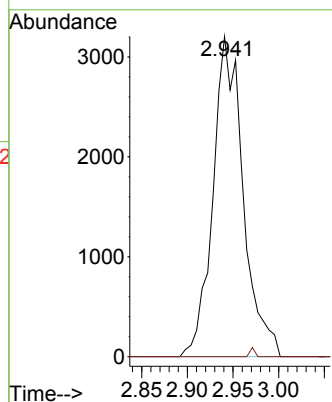


#23
tert-Butyl Alcohol
Concen: 9.914 ug/l
RT: 2.941 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

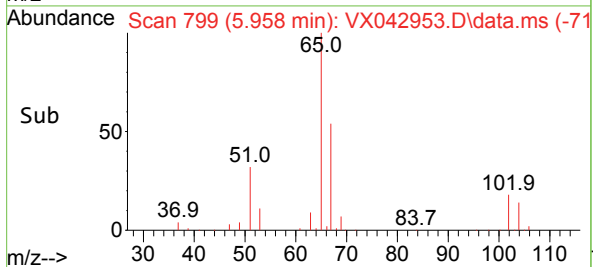
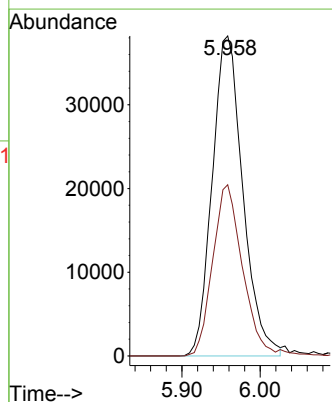
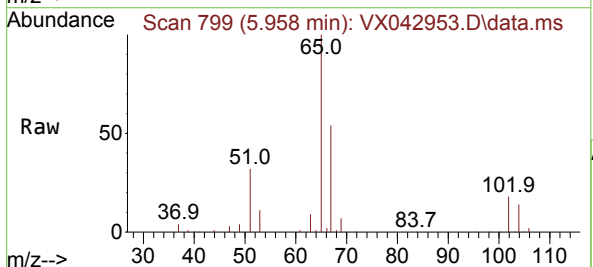


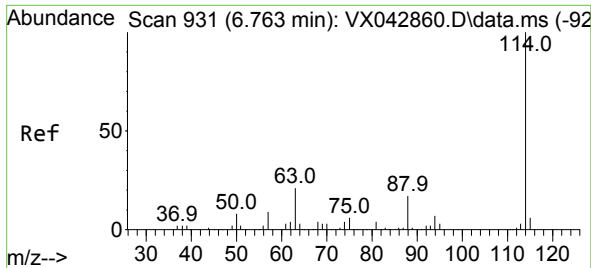
Tgt Ion: 59 Resp: 7360
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 27.796 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

Tgt Ion: 65 Resp: 103935
Ion Ratio Lower Upper
65 100
67 51.6 40.6 60.8

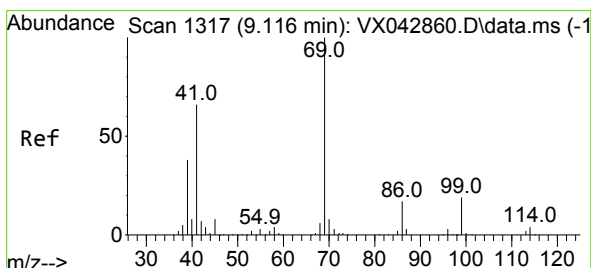
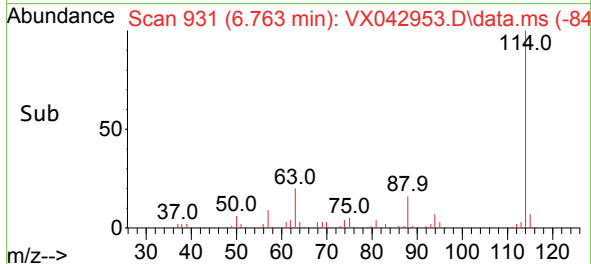
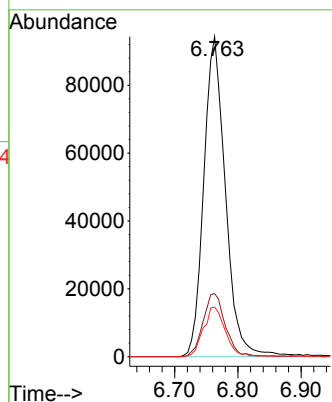
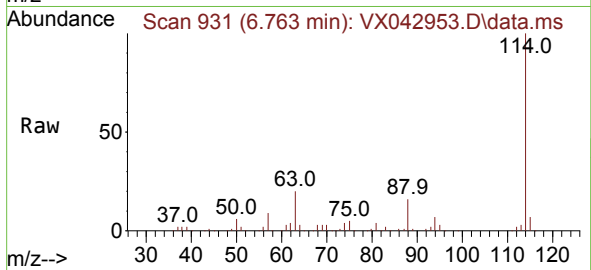




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

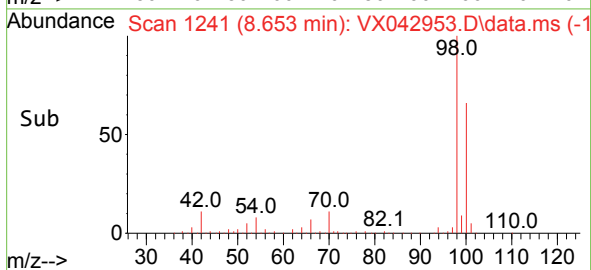
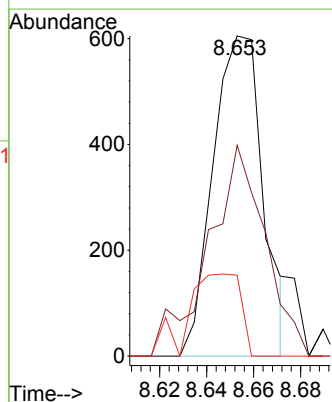
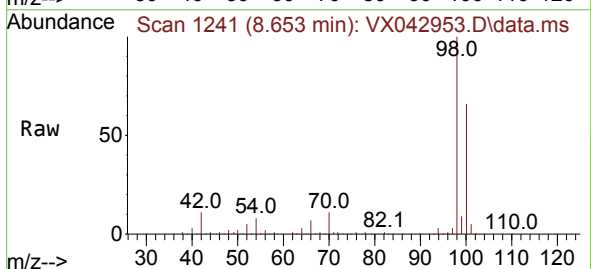
Instrument :
MSVOA_X
ClientSampleId :

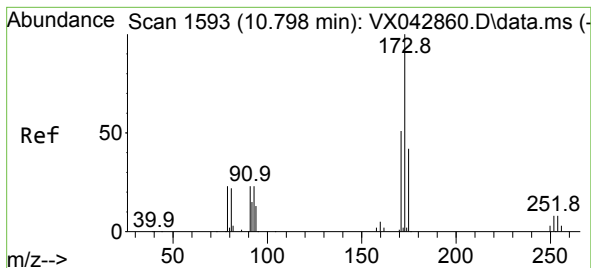
Tgt Ion:114 Resp: 224175
Ion Ratio Lower Upper
114 100
63 19.8 16.0 24.0
88 15.6 12.5 18.7



#51
Ethyl methacrylate
Concen: 0.226 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

Tgt Ion: 69 Resp: 897
Ion Ratio Lower Upper
69 100
41 54.7 33.1 99.2
39 25.3 18.8 56.3





#56

Bromoform

Concen: 0.317 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX042953.D

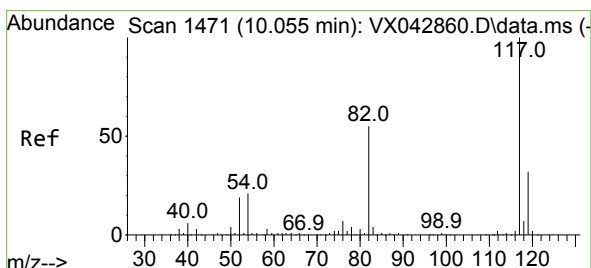
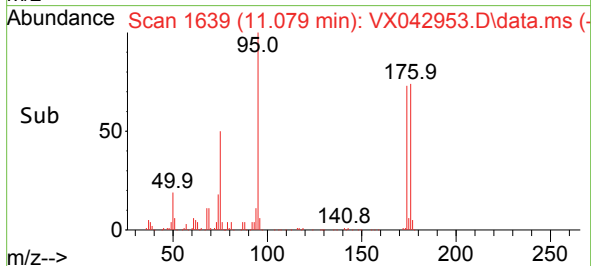
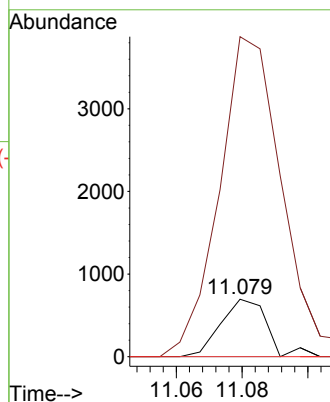
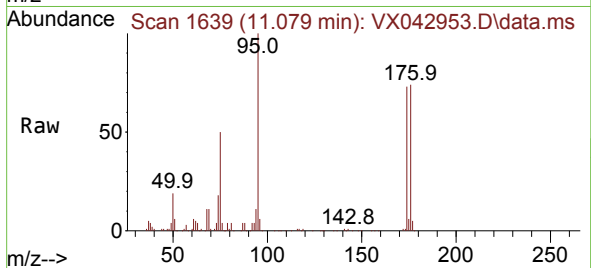
Acq: 08 Aug 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:173	Resp:	643
Ion Ratio	Lower	Upper
173	100	
175	801.2	37.1 55.7#
254	0.0	6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

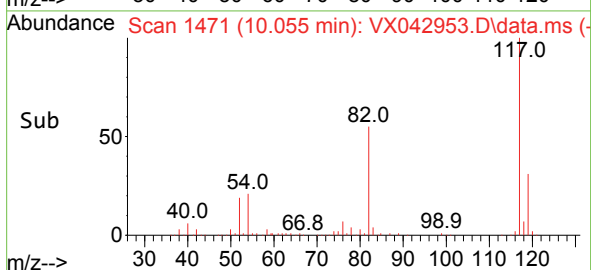
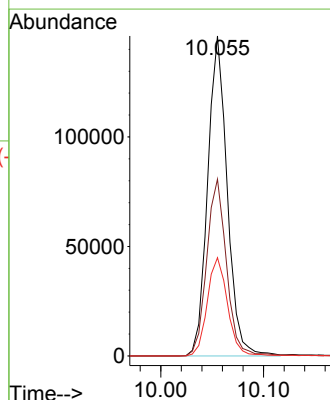
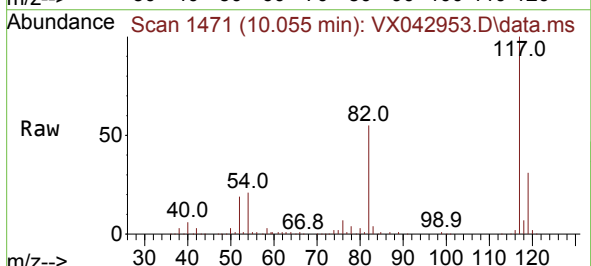
RT: 10.055 min Scan# 1471

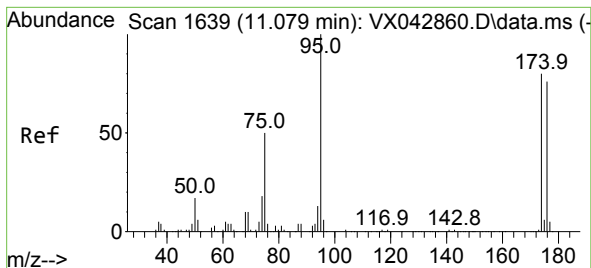
Delta R.T. 0.001 min

Lab File: VX042953.D

Acq: 08 Aug 2024 14:37

Tgt Ion:117	Resp:	193573
Ion Ratio	Lower	Upper
117	100	
82	55.4	44.9 67.3
119	31.9	25.4 38.2

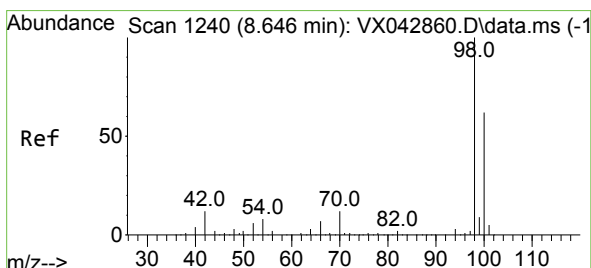
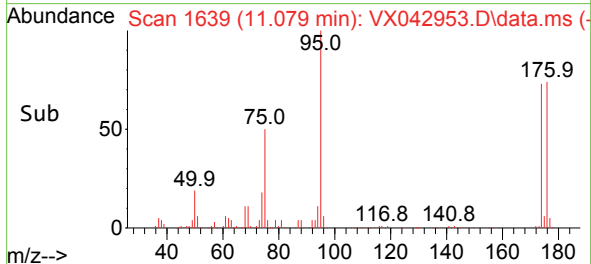
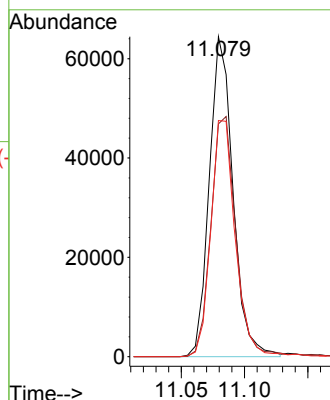
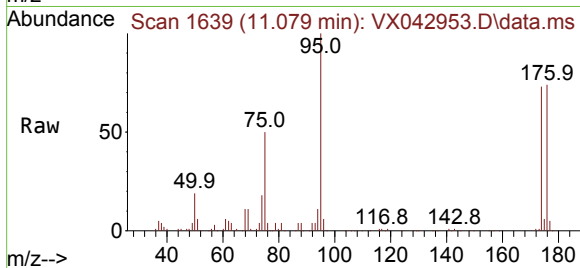




#60
4-Bromofluorobenzene
Concen: 26.574 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

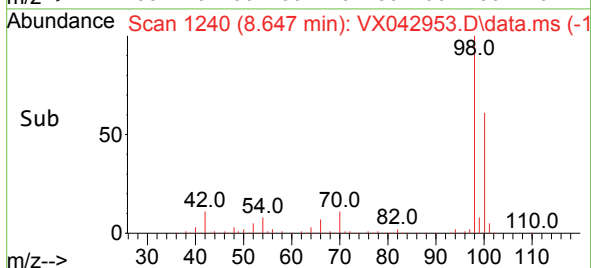
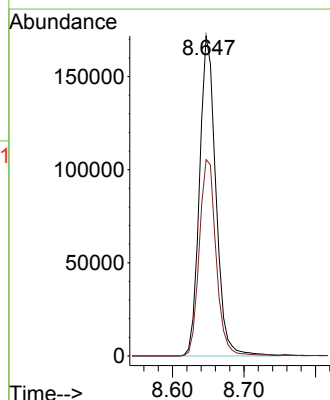
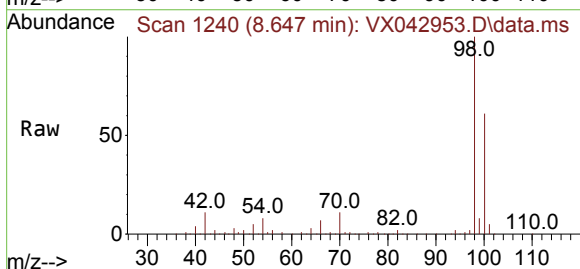
Instrument :
MSVOA_X
ClientSampleId :

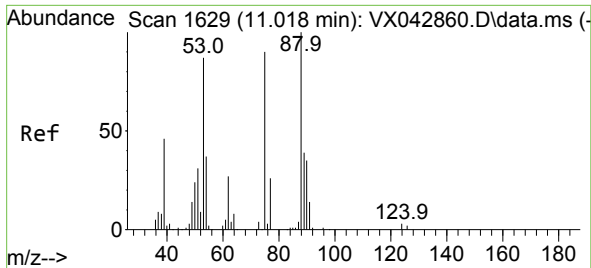
Tgt Ion: 95 Resp: 83921
Ion Ratio Lower Upper
95 100
174 79.3 65.0 97.6
176 75.8 63.4 95.0



#63
Toluene-d8
Concen: 31.187 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX042953.D
Acq: 08 Aug 2024 14:37

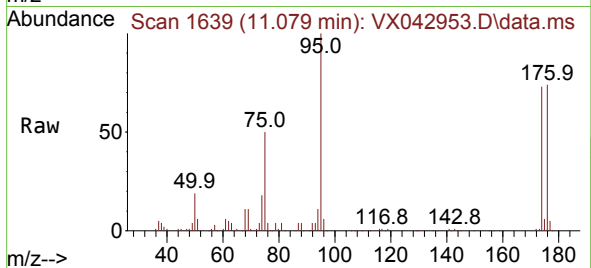
Tgt Ion: 98 Resp: 272695
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.511 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042953.D
 Acq: 08 Aug 2024 14:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 42780
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.2 21.9 65.5#

