

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042950.D
 Acq On : 08 Aug 2024 13:28
 Operator : JC/MD
 Sample : PB162548ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#04

Quant Time: Aug 09 05:08:53 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)

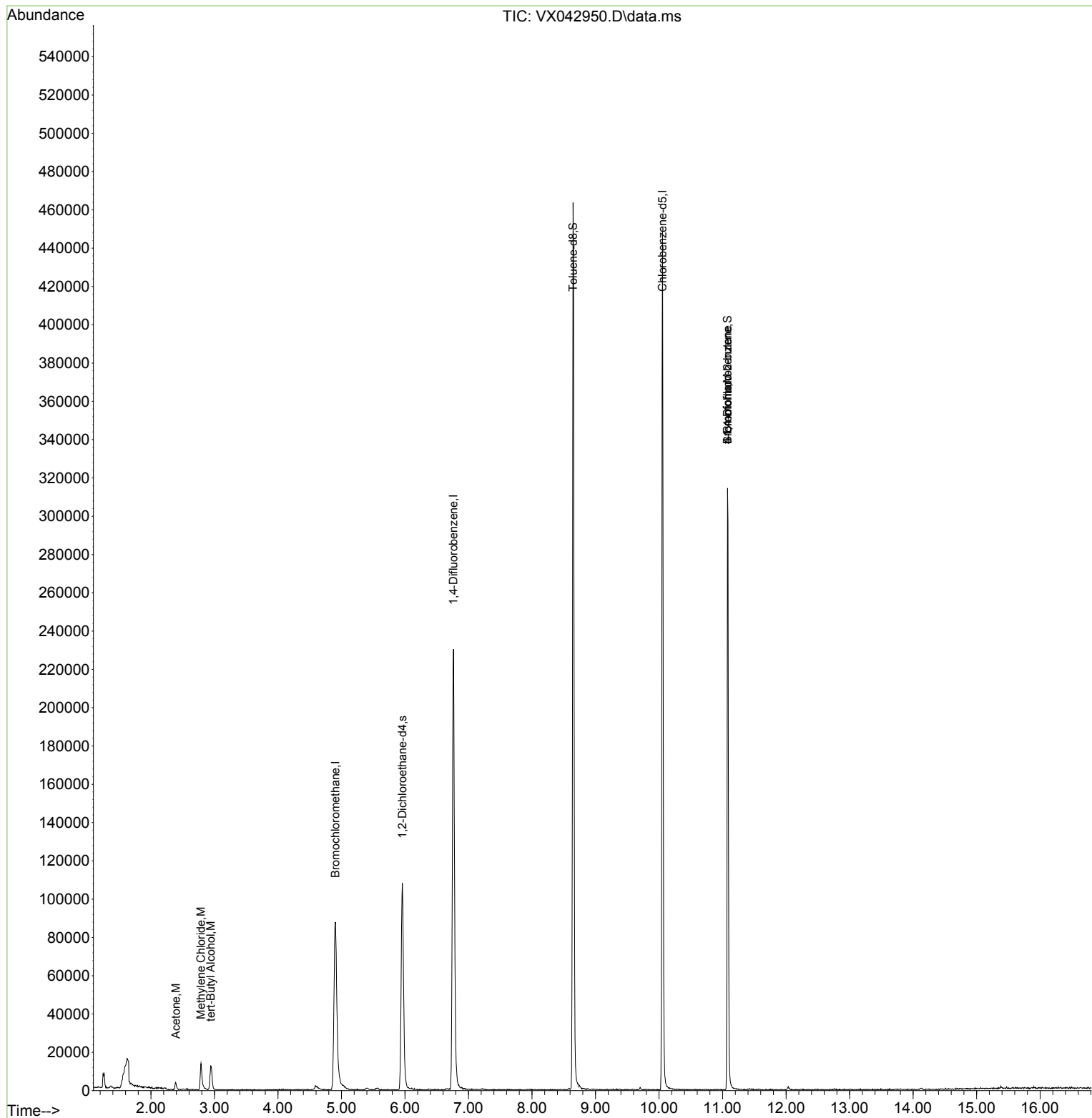
Internal Standards						
1) Bromochloromethane	4.904	128	42216	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	235344	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	208747	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	107488	27.573	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.900%
60) 4-Bromofluorobenzene	11.079	95	88939	26.115	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.067%
63) Toluene-d8	8.647	98	281382	29.842	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.467%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1239	2.277	ug/l	81
18) Methylene Chloride	2.788	84	7241	2.471	ug/l	96
23) tert-Butyl Alcohol	2.940	59	7483	9.669	ug/l #	100
56) Bromoform	11.079	173	1017	0.478	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	45704	39.143	ug/l #	11

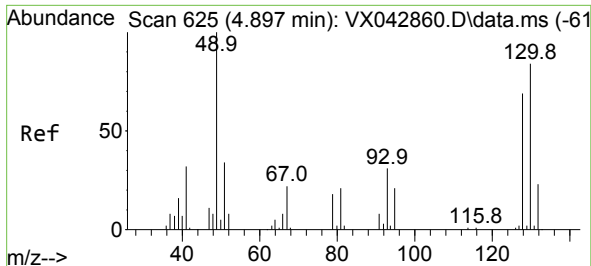
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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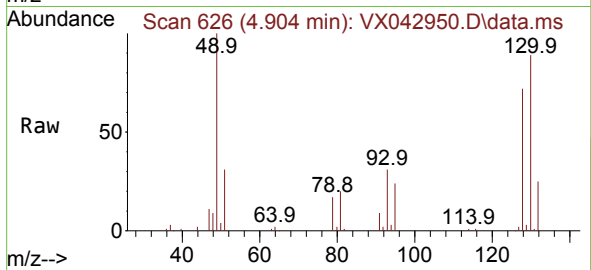
Quant Time: Aug 09 05:08:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
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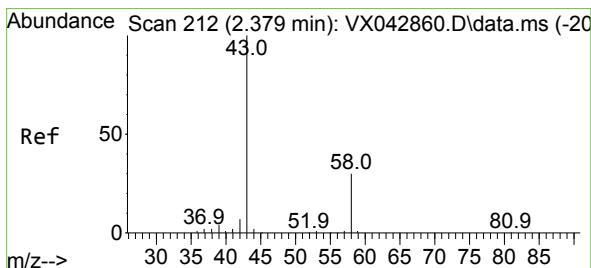
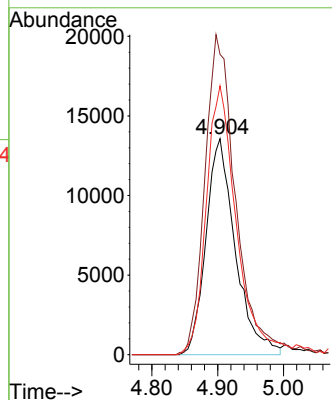
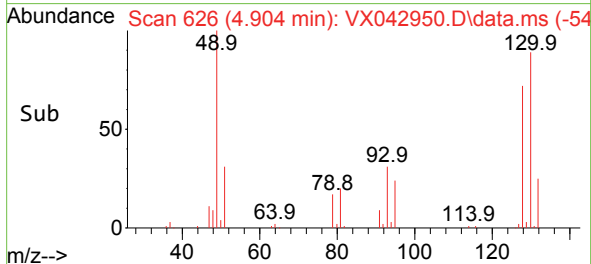


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#04

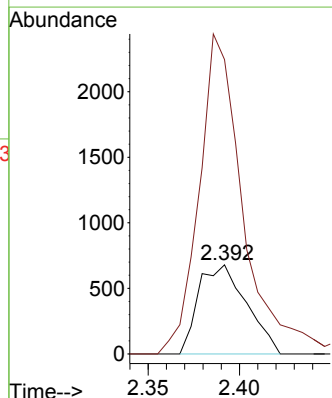
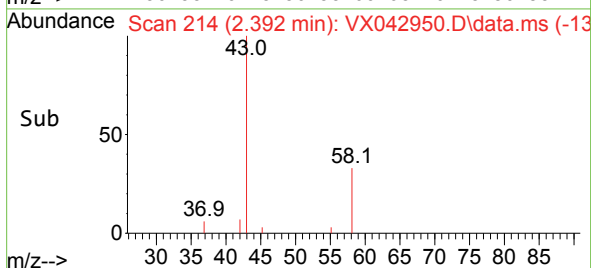
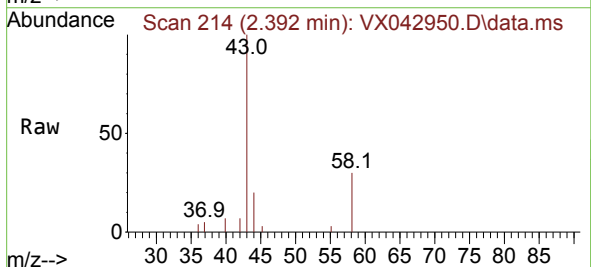


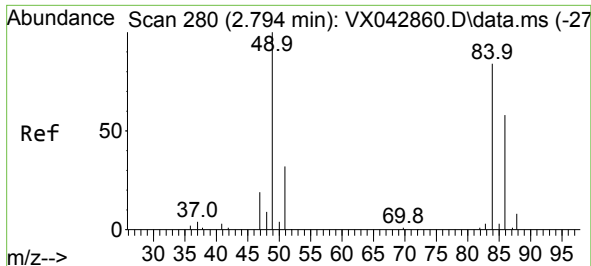
Tgt Ion:128 Resp: 42216
Ion Ratio Lower Upper
128 100
49 154.7 0.0 400.5
130 128.0 0.0 333.0



#15
Acetone
Concen: 2.277 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.013 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

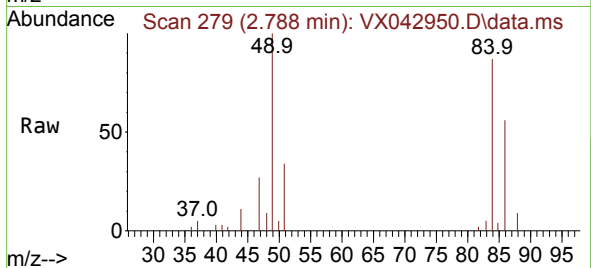
Tgt Ion: 58 Resp: 1239
Ion Ratio Lower Upper
58 100
43 297.5 269.9 404.9



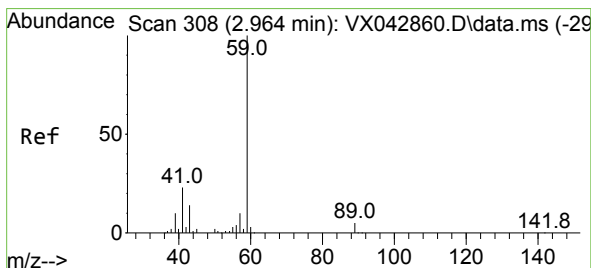
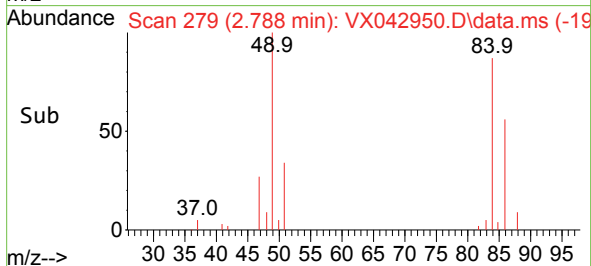
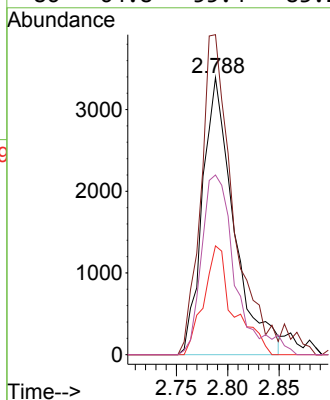


#18
Methylene Chloride
Concen: 2.471 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#04

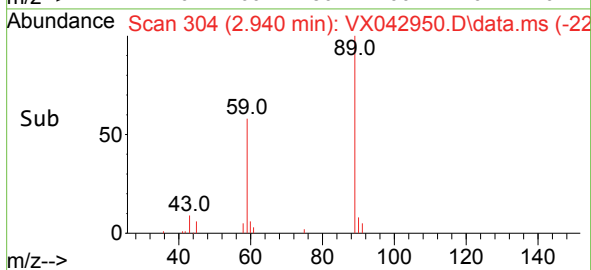
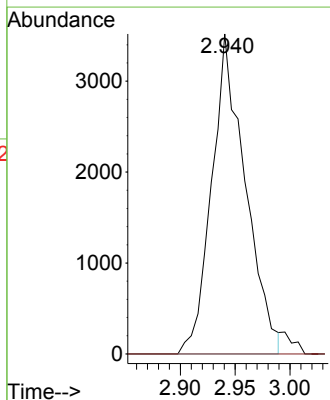
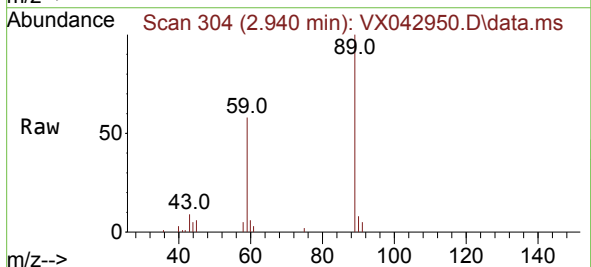


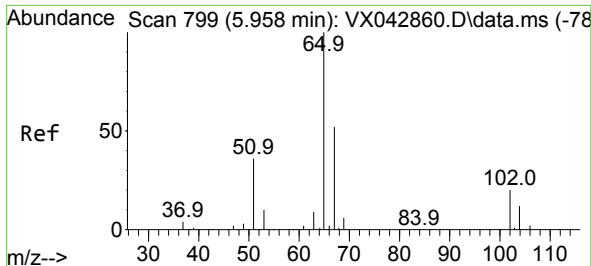
Tgt Ion: 84	Resp: 7241
Ion Ratio	Lower Upper
84 100	
49 115.4	95.0 142.6
51 39.3	30.1 45.1
86 64.8	55.4 83.2



#23
tert-Butyl Alcohol
Concen: 9.669 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

Tgt Ion: 59	Resp: 7483
Ion Ratio	Lower Upper
59 100	
52 0.0	0.1 0.1#

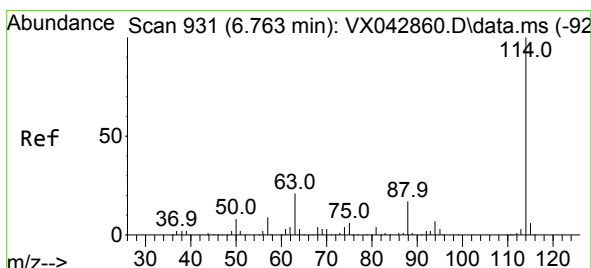
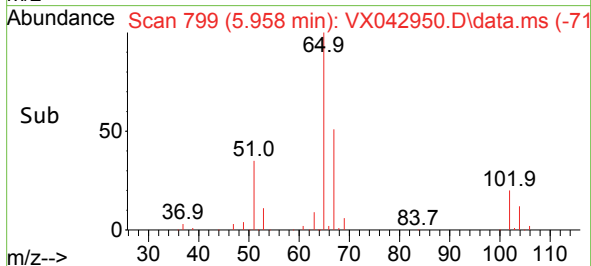
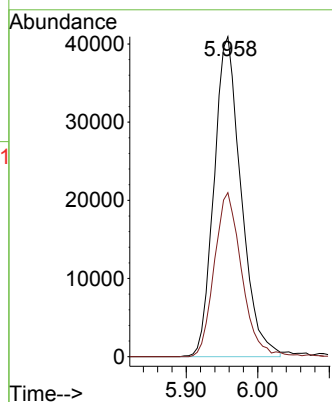
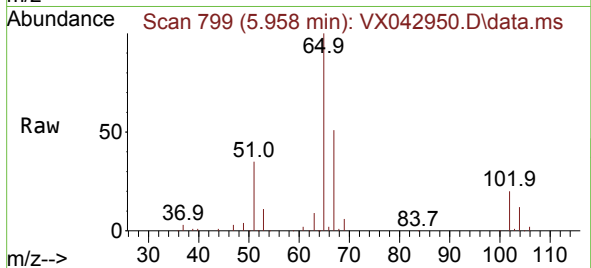




#27
1,2-Dichloroethane-d4
Concen: 27.573 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

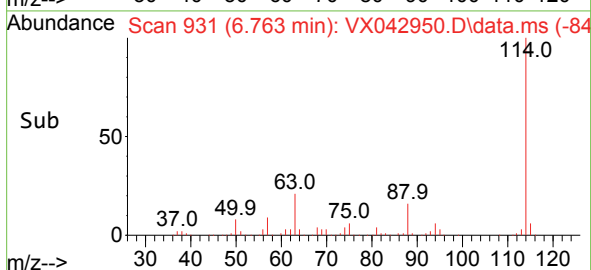
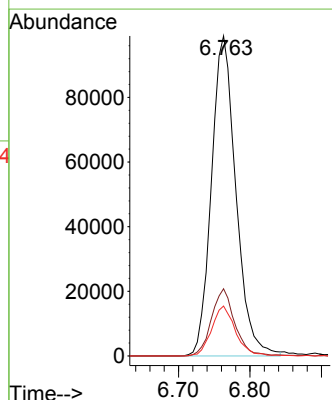
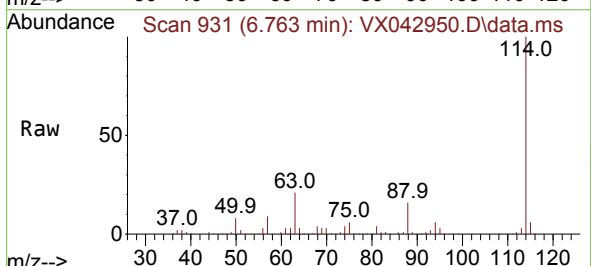
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#04

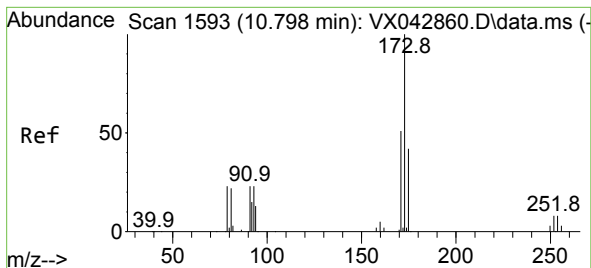
Tgt Ion: 65 Resp: 107488
Ion Ratio Lower Upper
65 100
67 51.3 40.6 60.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

Tgt Ion: 114 Resp: 235344
Ion Ratio Lower Upper
114 100
63 19.9 16.0 24.0
88 15.0 12.5 18.7





#56

Bromoform

Concen: 0.478 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX042950.D

Acq: 08 Aug 2024 13:28

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#04

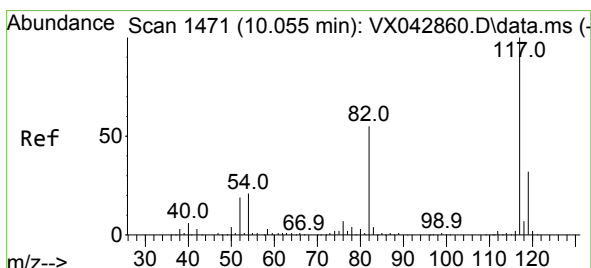
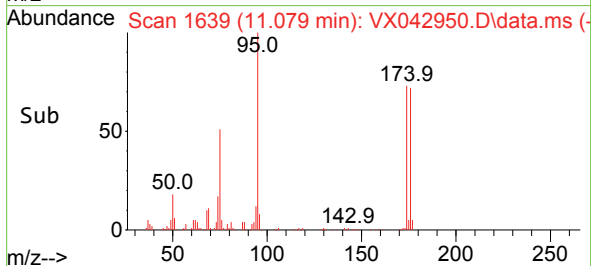
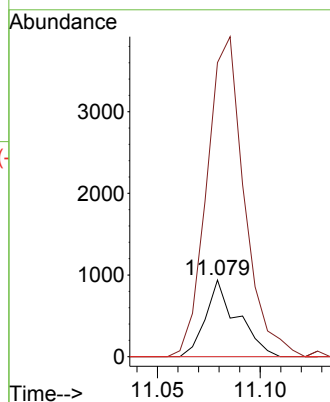
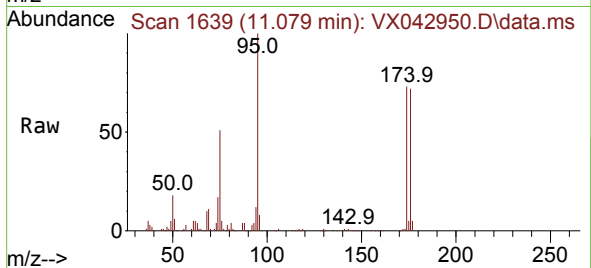
Tgt Ion:173 Resp: 1017

Ion Ratio Lower Upper

173 100

175 489.0 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: VX042950.D

Acq: 08 Aug 2024 13:28

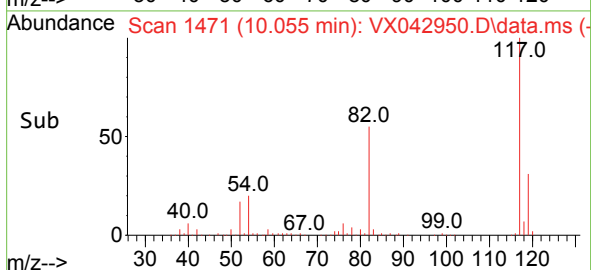
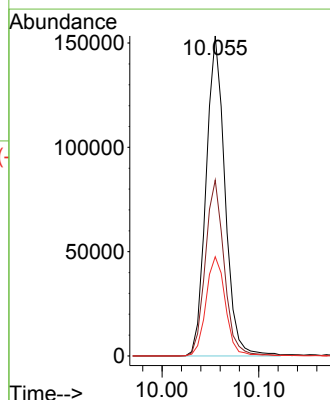
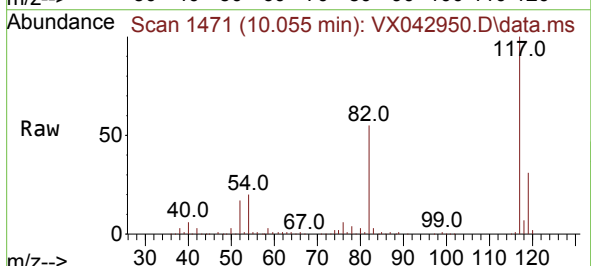
Tgt Ion:117 Resp: 208747

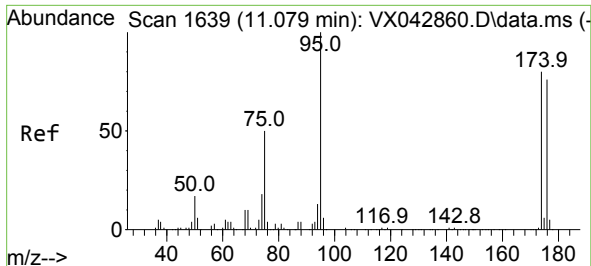
Ion Ratio Lower Upper

117 100

82 54.9 44.9 67.3

119 31.9 25.4 38.2

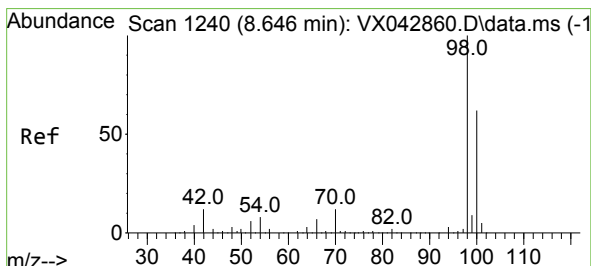
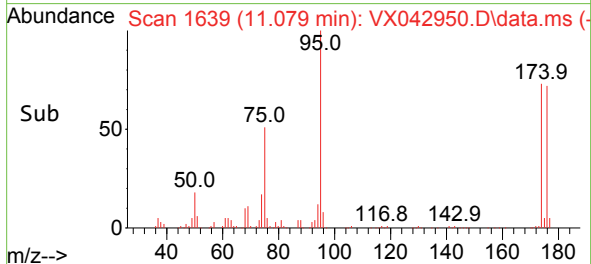
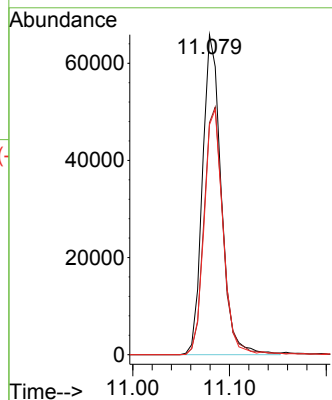
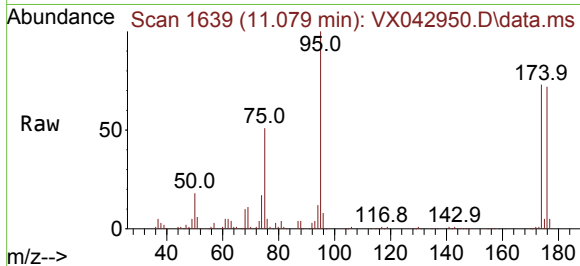




#60
4-Bromofluorobenzene
Concen: 26.115 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

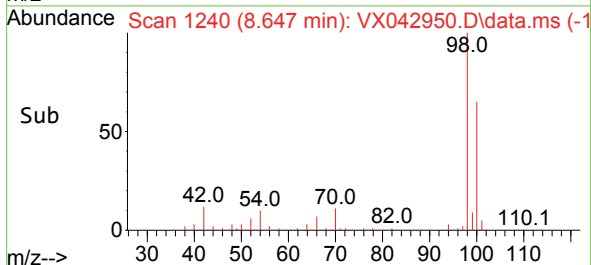
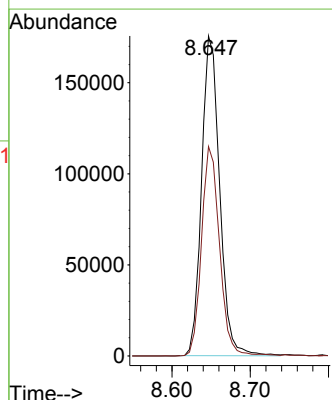
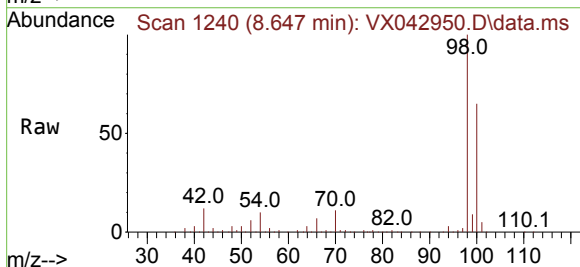
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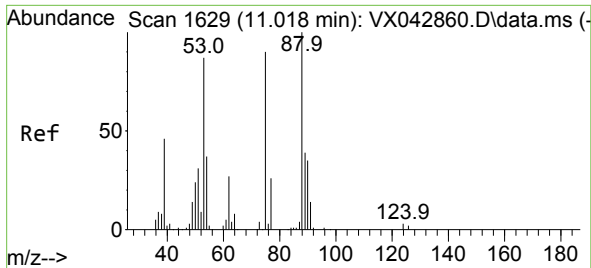
Tgt Ion: 95 Resp: 88939
Ion Ratio Lower Upper
95 100
174 78.1 65.0 97.6
176 76.5 63.4 95.0



#63
Toluene-d8
Concen: 29.842 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042950.D
Acq: 08 Aug 2024 13:28

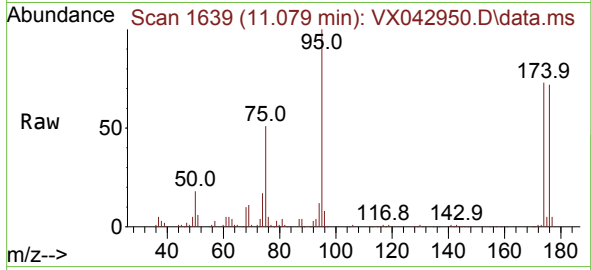
Tgt Ion: 98 Resp: 281382
Ion Ratio Lower Upper
98 100
100 64.7 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.143 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042950.D
 Acq: 08 Aug 2024 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#04



Tgt Ion:	75	Resp:	45704
Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.5	145.5#
89	0.0	21.9	65.5#

