

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042958.D
 Acq On : 08 Aug 2024 16:33
 Operator : JC/MD
 Sample : PB162548ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#12

Quant Time: Aug 09 05:11:57 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)

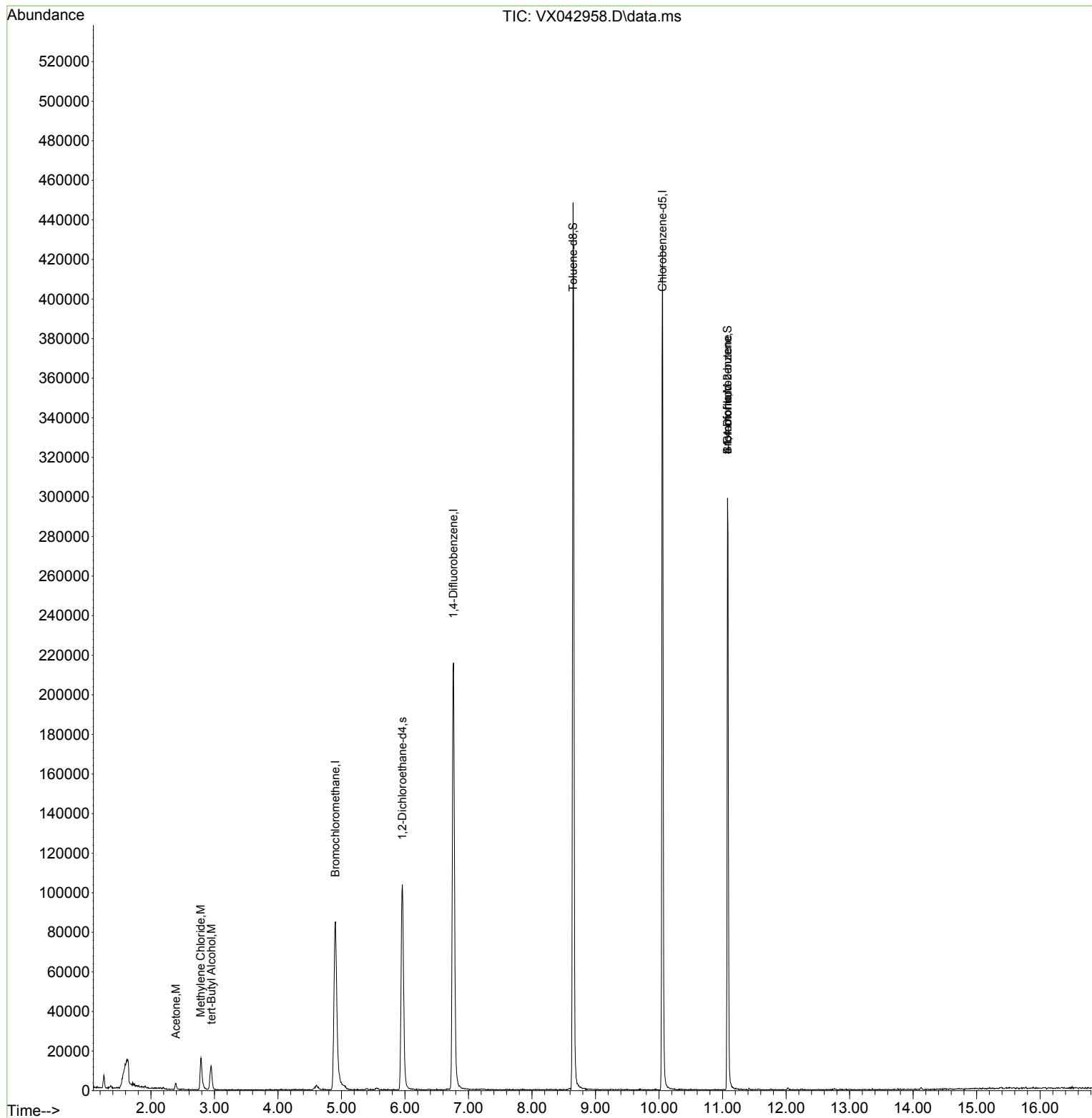
Internal Standards						
1) Bromochloromethane	4.904	128	40901	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	225381	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	198454	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	104900	27.775	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.567%
60) 4-Bromofluorobenzene	11.079	95	83307	25.730	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.767%
63) Toluene-d8	8.647	98	275130	30.692	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.300%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1277	2.422	ug/l #	51
18) Methylene Chloride	2.782	84	9039	3.184	ug/l	91
23) tert-Butyl Alcohol	2.953	59	7768	10.360	ug/l #	100
56) Bromoform	11.079	173	790	0.388	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	42599	38.376	ug/l #	11

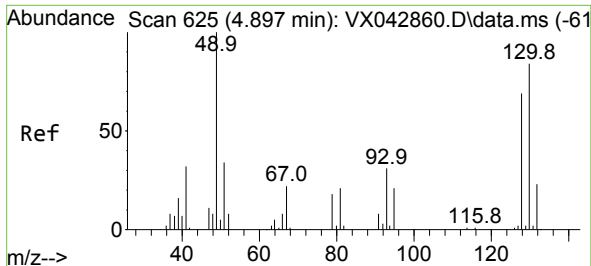
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
Data File : VX042958.D
Acq On : 08 Aug 2024 16:33
Operator : JC/MD
Sample : PB162548ZHE#12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#12

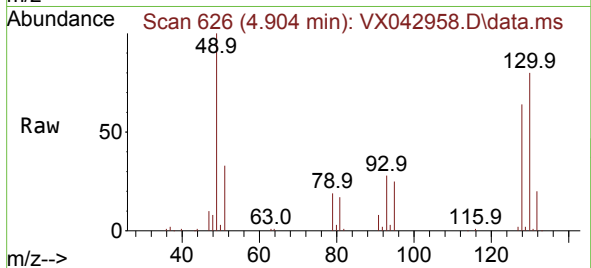
Quant Time: Aug 09 05:11:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
Response via : Initial Calibration



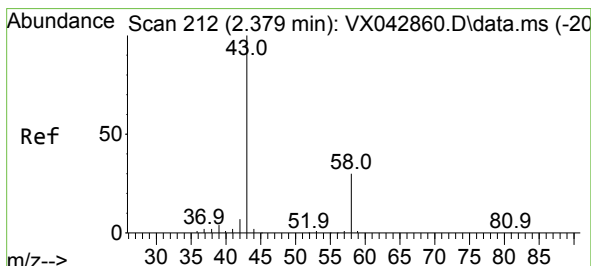
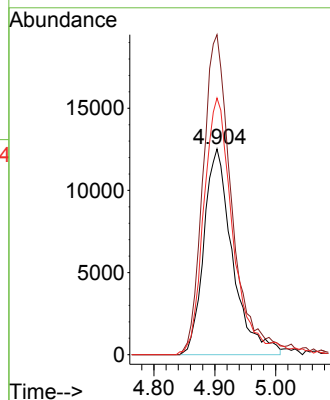
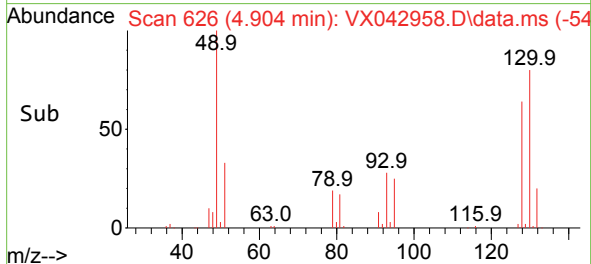


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042958.D
Acq: 08 Aug 2024 16:33

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#12

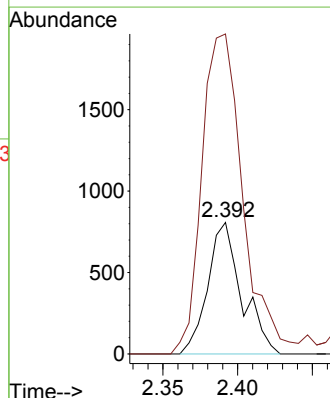
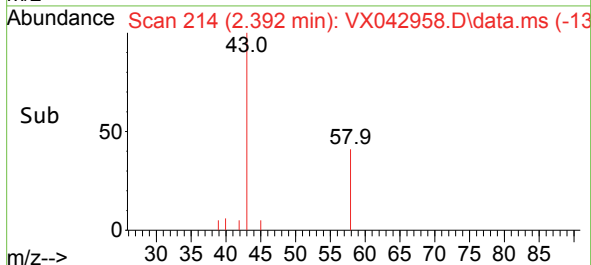
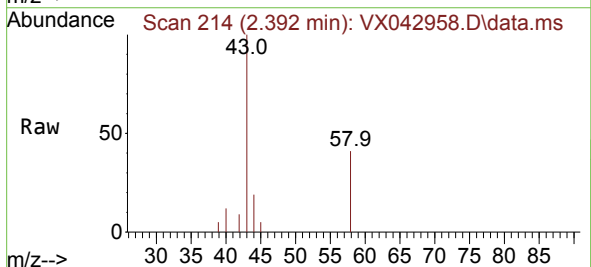


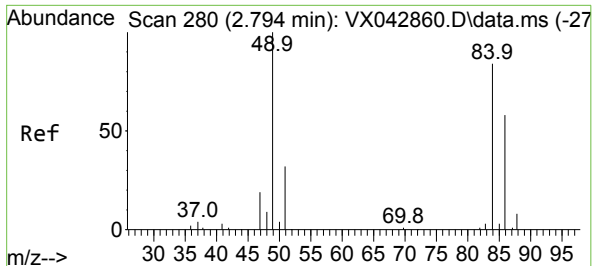
Tgt Ion:128 Resp: 40901
Ion Ratio Lower Upper
128 100
49 155.9 0.0 400.5
130 124.7 0.0 333.0



#15
Acetone
Concen: 2.422 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.013 min
Lab File: VX042958.D
Acq: 08 Aug 2024 16:33

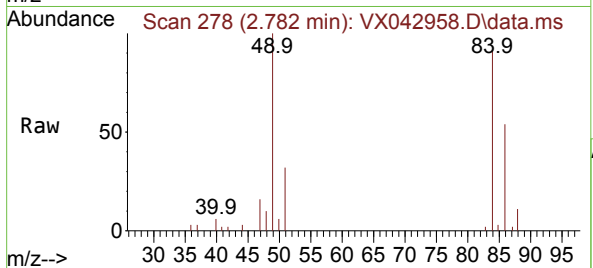
Tgt Ion: 58 Resp: 1277
Ion Ratio Lower Upper
58 100
43 234.3 269.9 404.9#





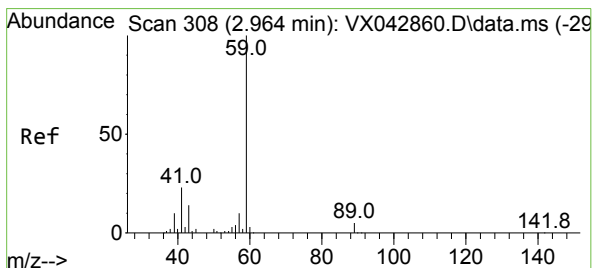
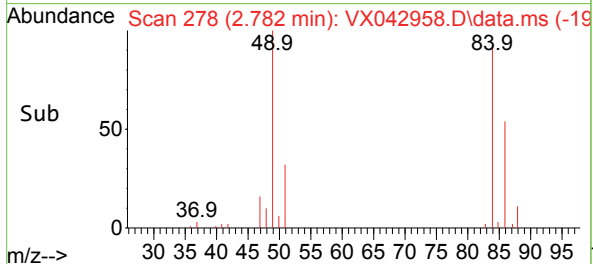
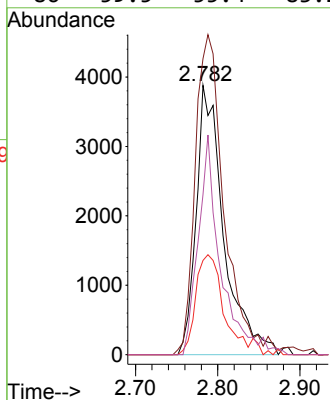
#18
Methylene Chloride
Concen: 3.184 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX042958.D
Acq: 08 Aug 2024 16:33

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#12



Tgt Ion: 84 Resp: 9039

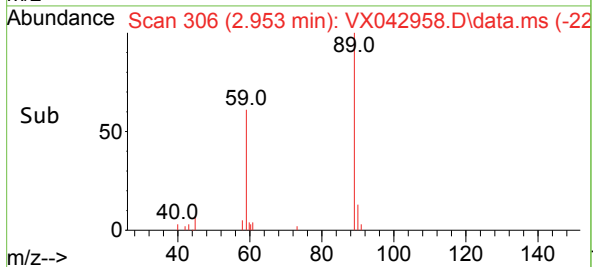
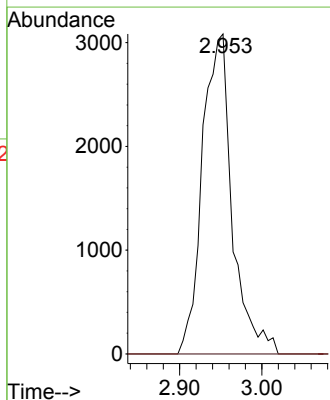
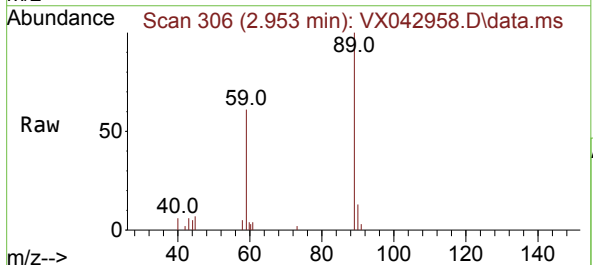
Ion	Ratio	Lower	Upper
84	100		
49	108.2	95.0	142.6
51	35.0	30.1	45.1
86	59.5	55.4	83.2

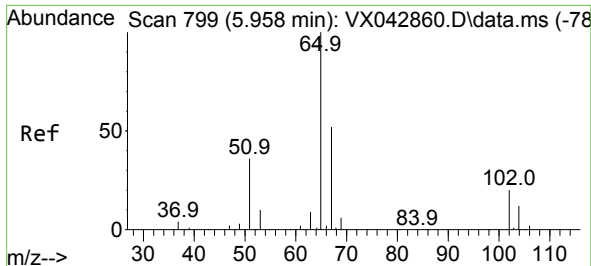


#23
tert-Butyl Alcohol
Concen: 10.360 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX042958.D
Acq: 08 Aug 2024 16:33

Tgt Ion: 59 Resp: 7768

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

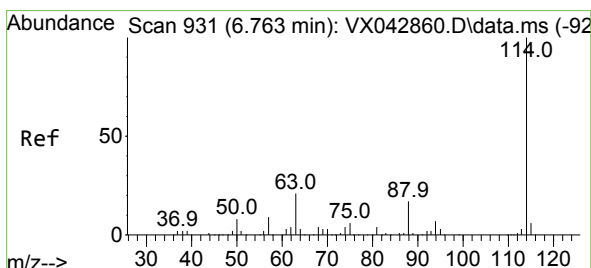
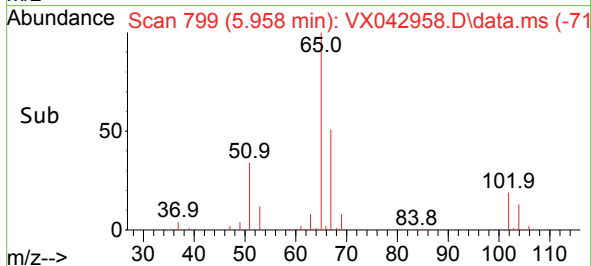
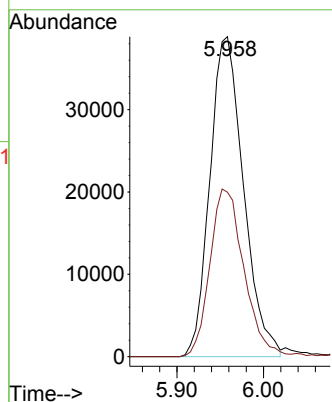
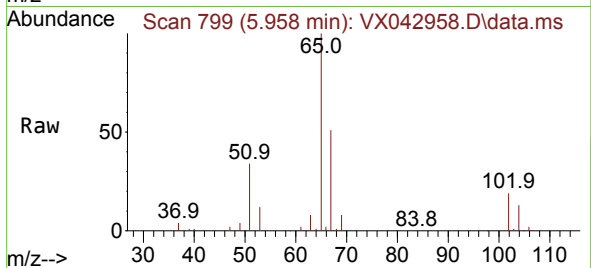




#27
 1,2-Dichloroethane-d4
 Concen: 27.775 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX042958.D
 Acq: 08 Aug 2024 16:33

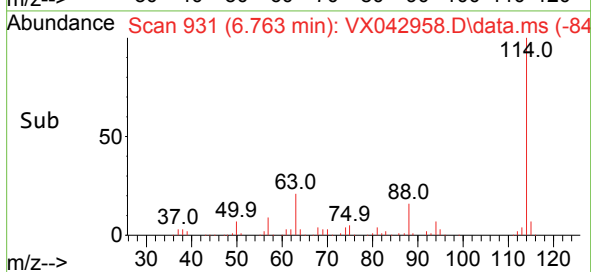
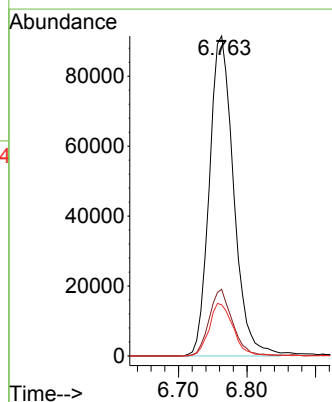
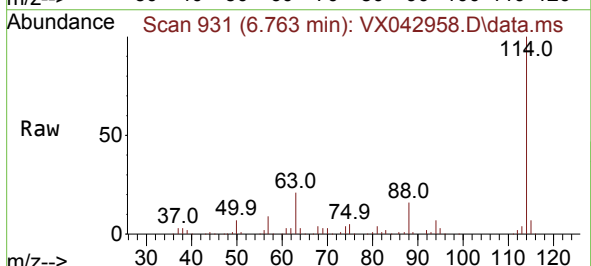
Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#12

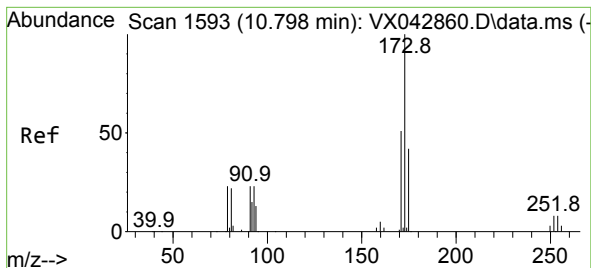
Tgt Ion: 65 Resp: 104900
 Ion Ratio Lower Upper
 65 100
 67 52.9 40.6 60.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX042958.D
 Acq: 08 Aug 2024 16:33

Tgt Ion: 114 Resp: 225381
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.0 24.0
 88 16.1 12.5 18.7





#56

Bromoform

Concen: 0.388 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX042958.D

Acq: 08 Aug 2024 16:33

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#12

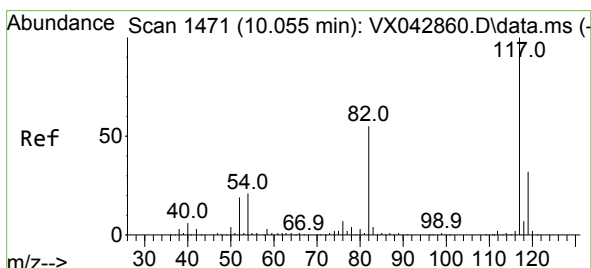
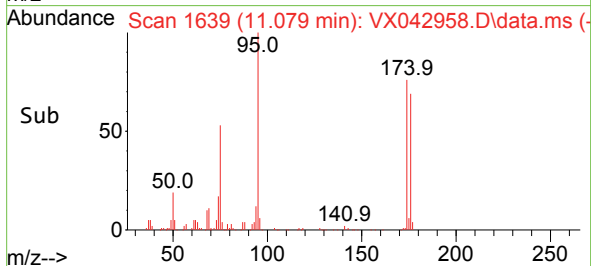
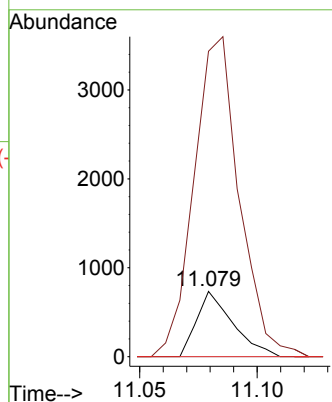
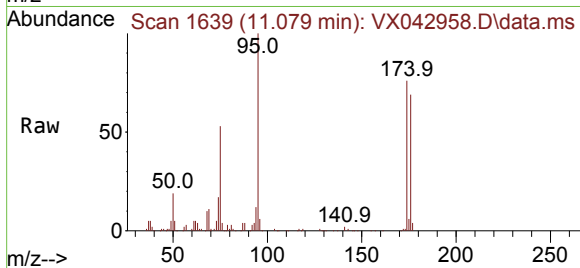
Tgt Ion:173 Resp: 790

Ion Ratio Lower Upper

173 100

175 612.2 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. 0.000 min

Lab File: VX042958.D

Acq: 08 Aug 2024 16:33

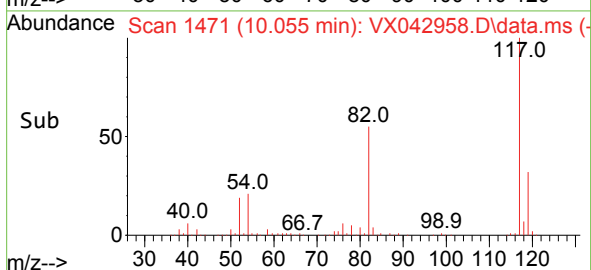
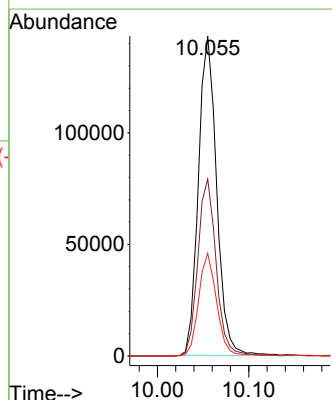
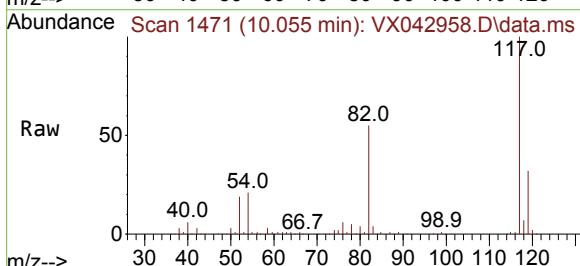
Tgt Ion:117 Resp: 198454

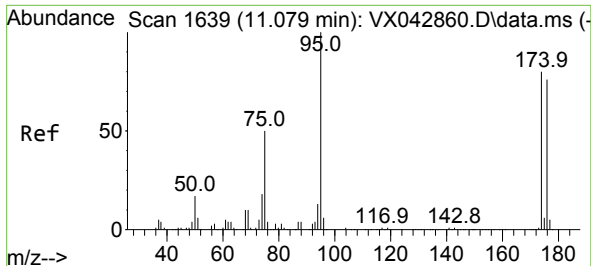
Ion Ratio Lower Upper

117 100

82 55.7 44.9 67.3

119 31.7 25.4 38.2

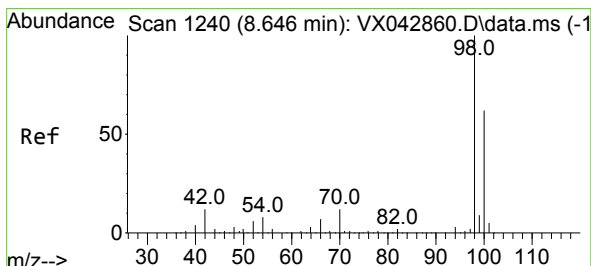
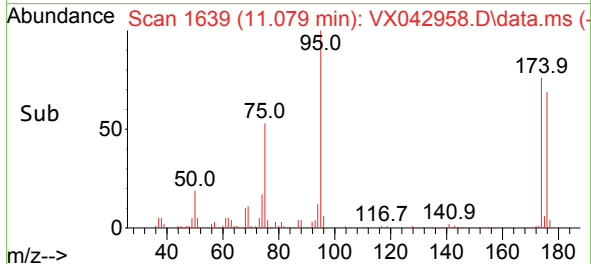
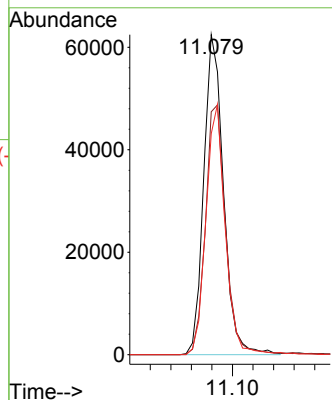
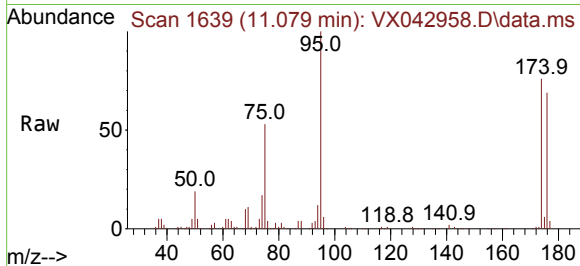




#60
4-Bromofluorobenzene
Concen: 25.730 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042958.D
Acq: 08 Aug 2024 16:33

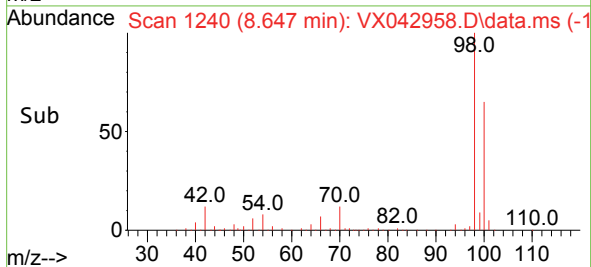
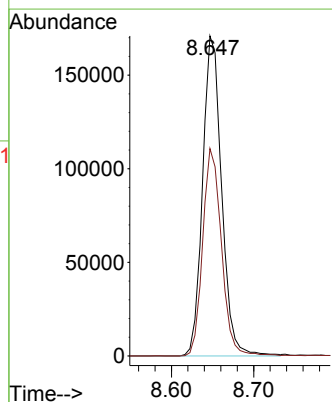
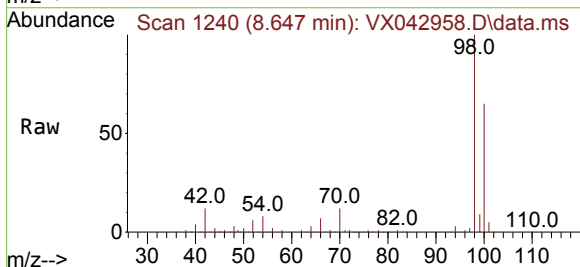
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#12

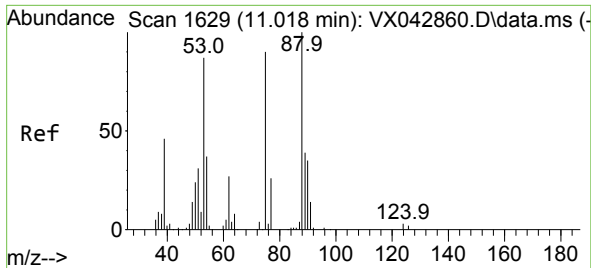
Tgt Ion: 95 Resp: 83307
Ion Ratio Lower Upper
95 100
174 79.9 65.0 97.6
176 76.2 63.4 95.0



#63
Toluene-d8
Concen: 30.692 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042958.D
Acq: 08 Aug 2024 16:33

Tgt Ion: 98 Resp: 275130
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3





#77

t-1,4-Dichloro-2-butene

Concen: 38.376 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX042958.D

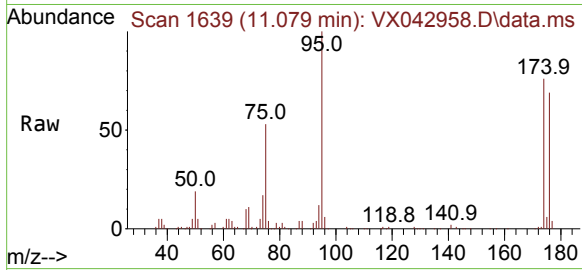
Acq: 08 Aug 2024 16:33

Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#12



Tgt Ion: 75 Resp: 42599

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.5#

89 0.0 21.9 65.5#

