

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042956.D
 Acq On : 08 Aug 2024 15:47
 Operator : JC/MD
 Sample : PB162548ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#10

Quant Time: Aug 09 05:11:12 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)

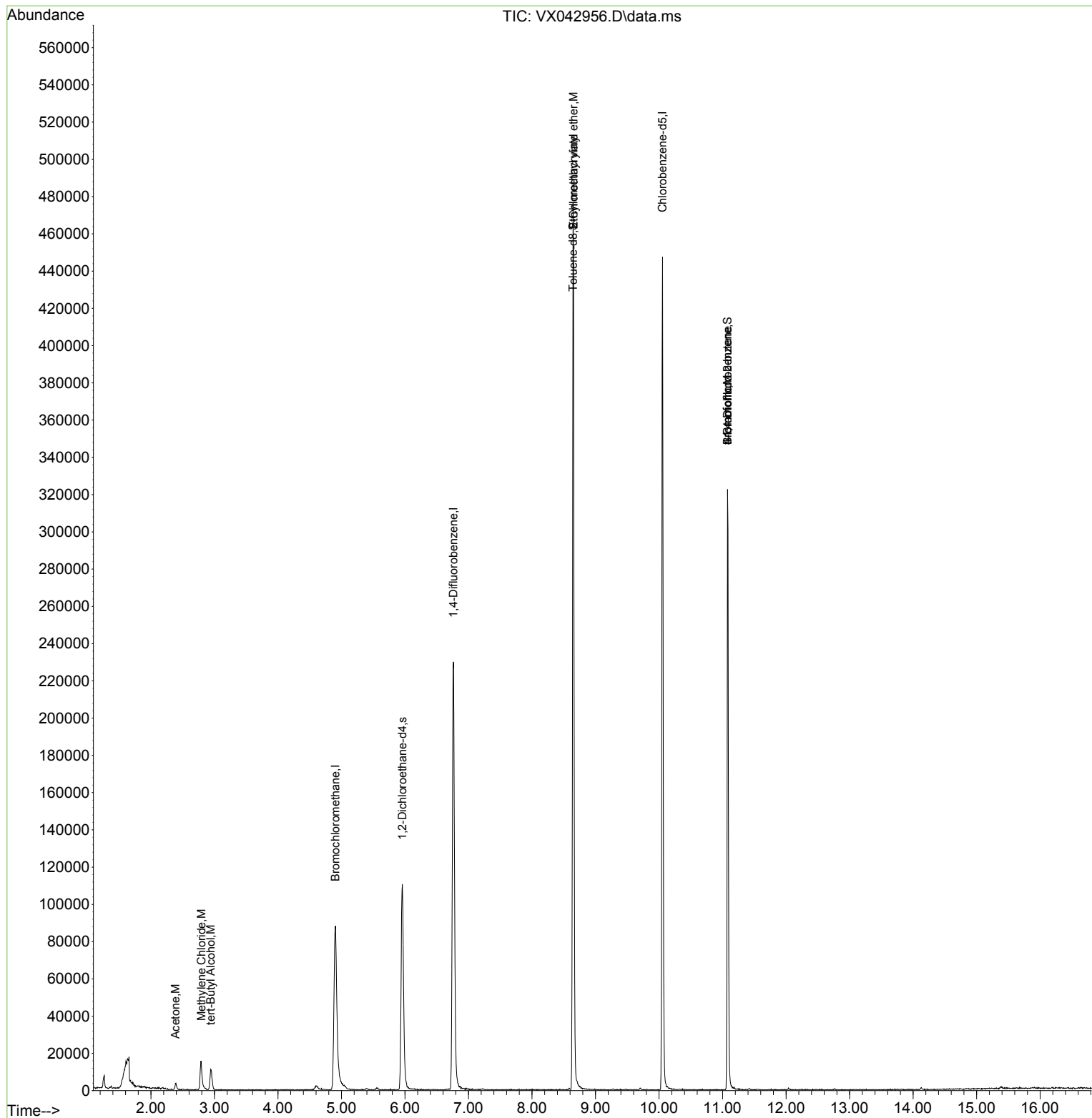
Internal Standards						
1) Bromochloromethane	4.904	128	41350	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	238535	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	208777	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	110690	28.989	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.633%
60) 4-Bromofluorobenzene	11.079	95	88983	26.125	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.067%
63) Toluene-d8	8.647	98	287201	30.454	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.500%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	1115	2.092	ug/l	78
18) Methylene Chloride	2.794	84	8064	2.810	ug/l #	89
23) tert-Butyl Alcohol	2.940	59	6781	8.945	ug/l #	100
51) Ethyl methacrylate	8.653	69	1031	0.244	ug/l	73
55) 2-Chloroethyl vinyl ether	8.653	63	402	0.206	ug/l #	1
56) Bromoform	11.079	173	1000	0.464	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	45433	38.905	ug/l #	11

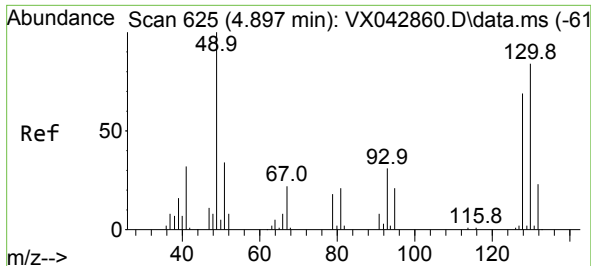
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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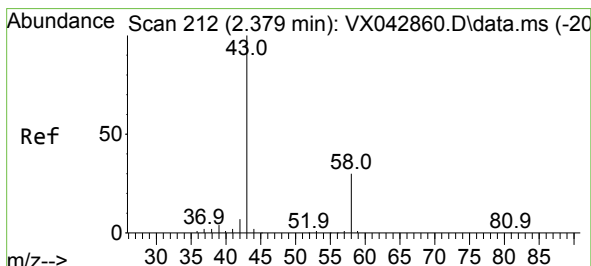
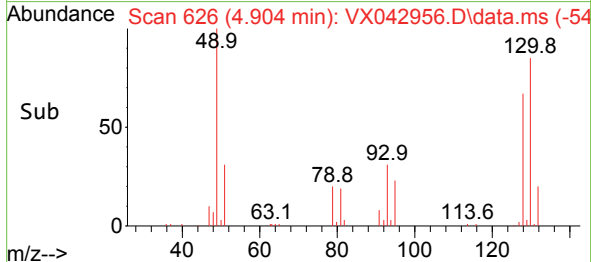
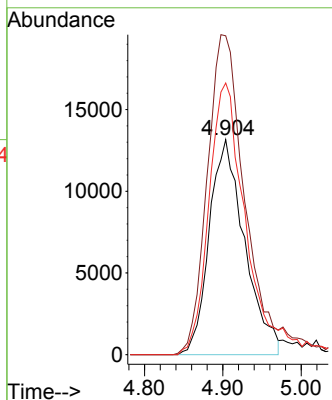
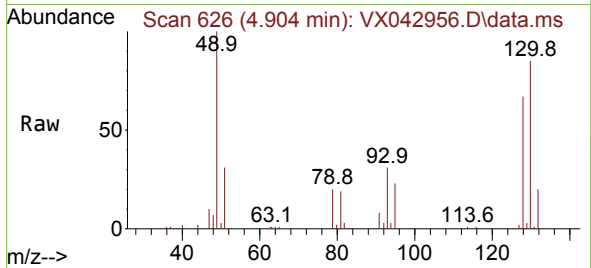




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

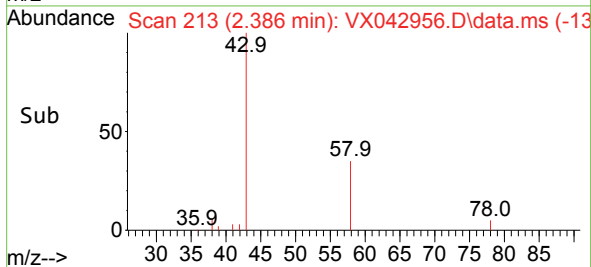
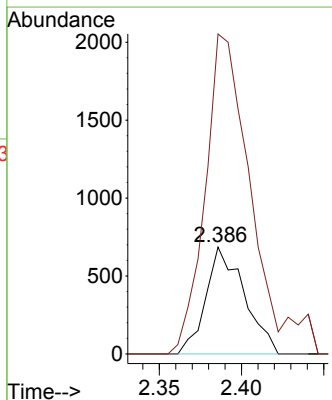
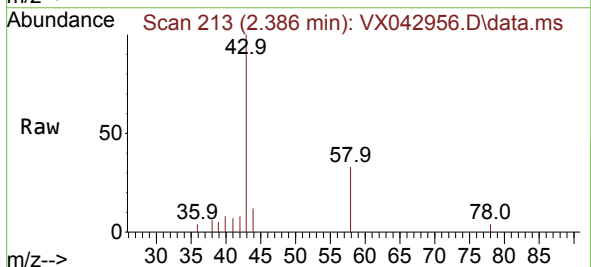
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#10

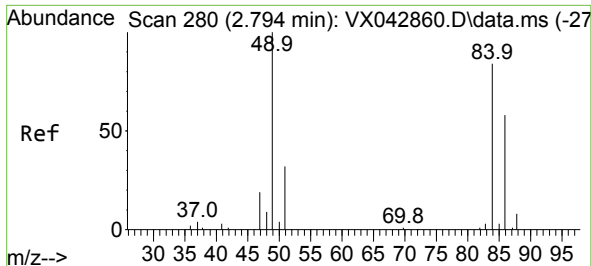
Tgt Ion:128 Resp: 41350
Ion Ratio Lower Upper
128 100
49 155.0 0.0 400.5
130 126.4 0.0 333.0



#15
Acetone
Concen: 2.092 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

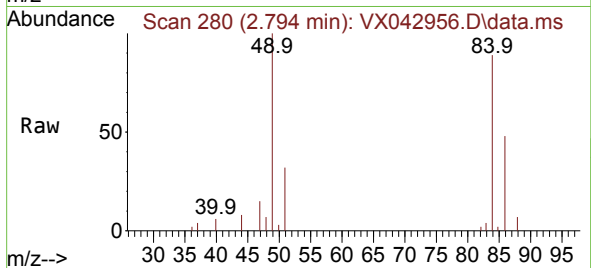
Tgt Ion: 58 Resp: 1115
Ion Ratio Lower Upper
58 100
43 290.9 269.9 404.9



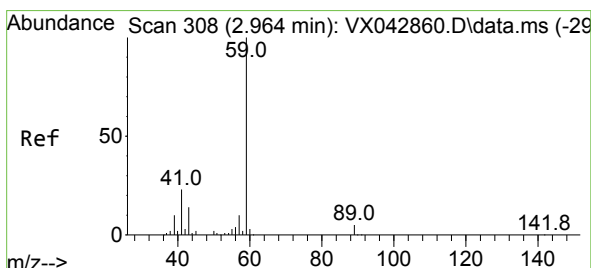
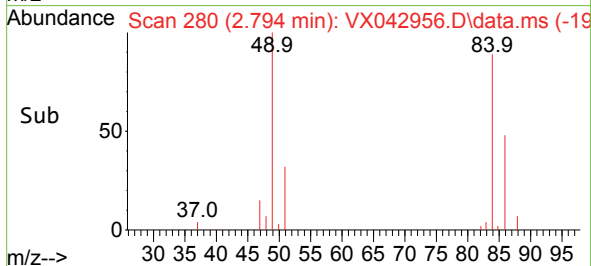
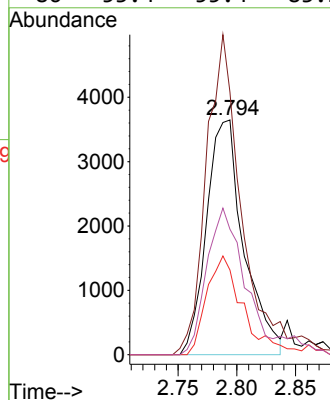


#18
Methylene Chloride
Concen: 2.810 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#10

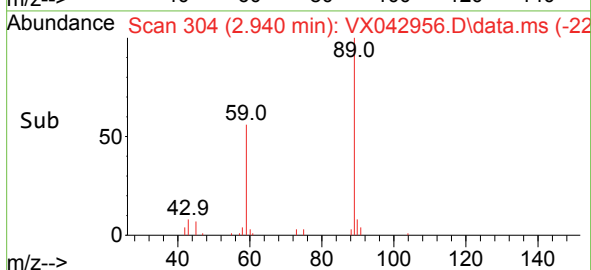
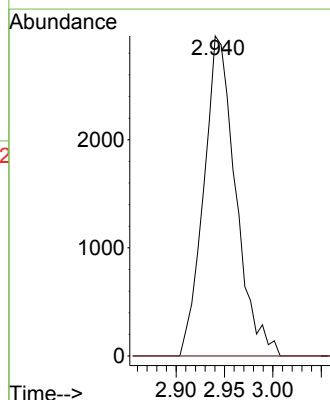
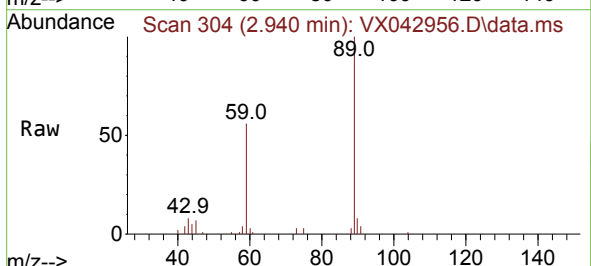


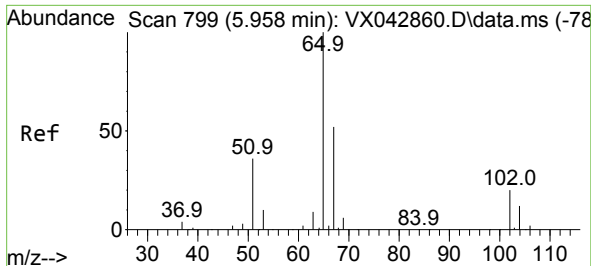
Tgt Ion:	84	Resp:	8064
Ion	Ratio	Lower	Upper
84	100		
49	109.1	95.0	142.6
51	36.1	30.1	45.1
86	53.4	55.4	83.2#



#23
tert-Butyl Alcohol
Concen: 8.945 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Tgt Ion:	59	Resp:	6781
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#





#27

1,2-Dichloroethane-d4

Concen: 28.989 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042956.D

Acq: 08 Aug 2024 15:47

Instrument :

MSVOA_X

ClientSampleId :

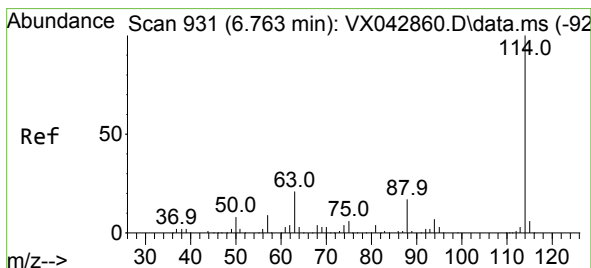
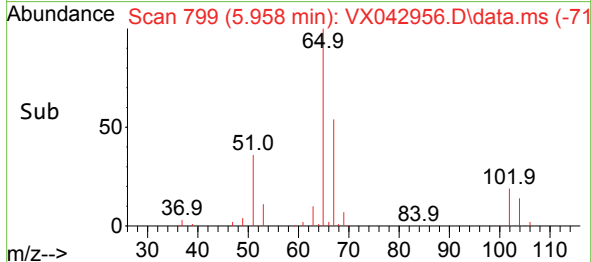
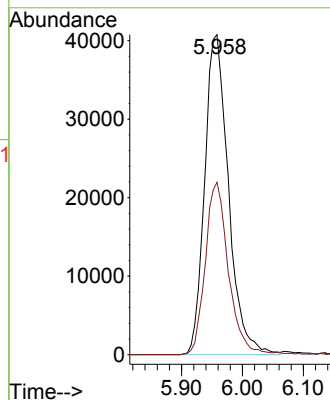
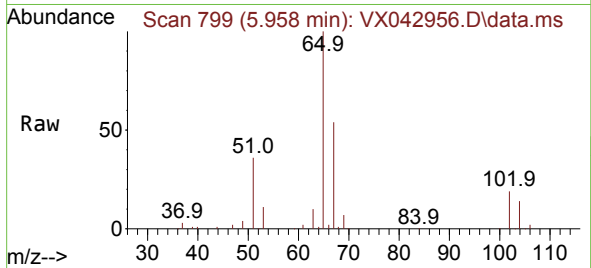
PB162548ZHE#10

Tgt Ion: 65 Resp: 110690

Ion Ratio Lower Upper

65 100

67 52.1 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: VX042956.D

Acq: 08 Aug 2024 15:47

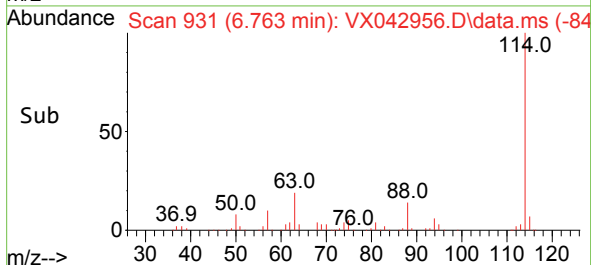
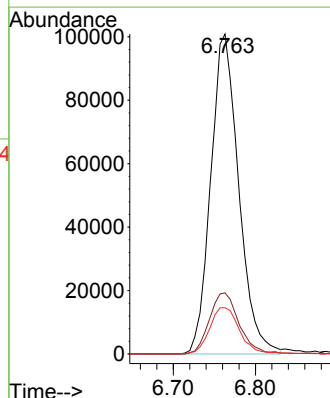
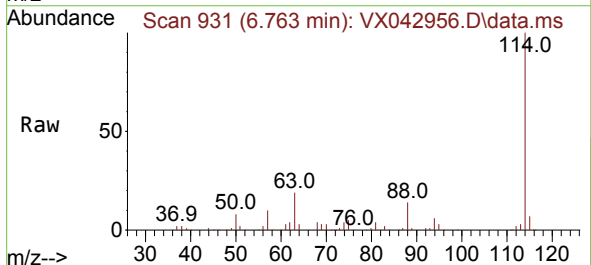
Tgt Ion: 114 Resp: 238535

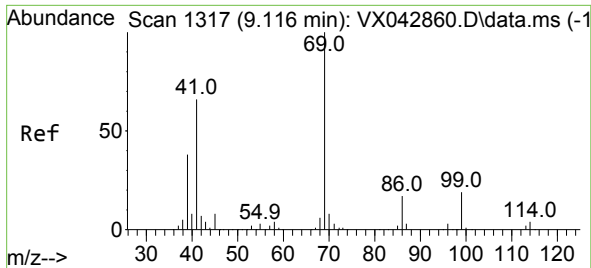
Ion Ratio Lower Upper

114 100

63 20.0 16.0 24.0

88 15.4 12.5 18.7

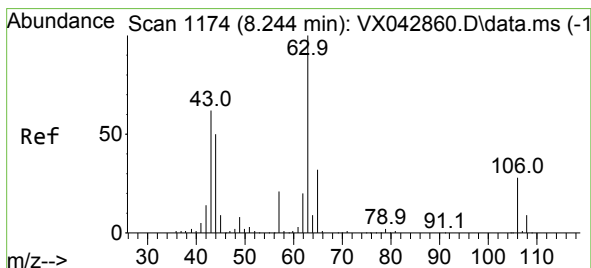
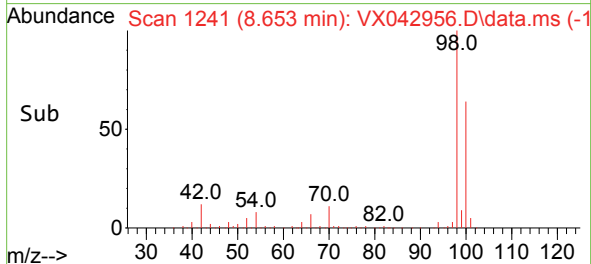
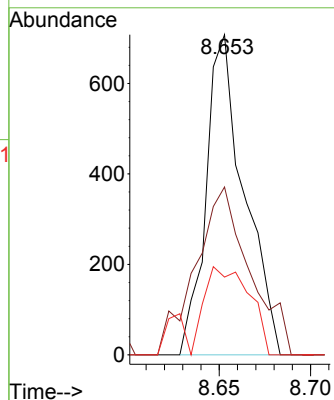
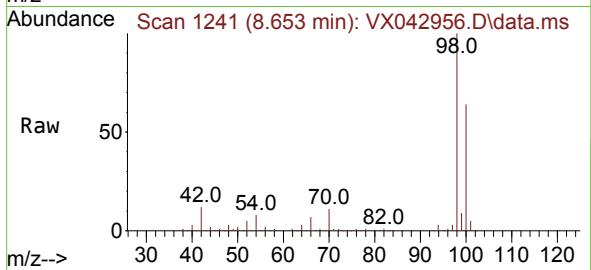




#51
Ethyl methacrylate
Concen: 0.244 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

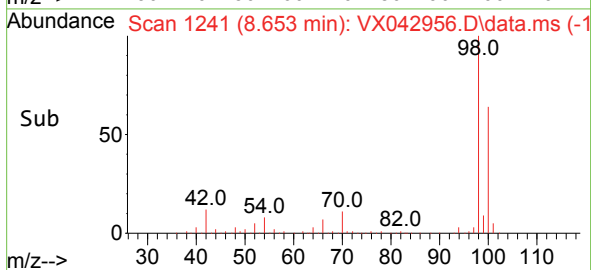
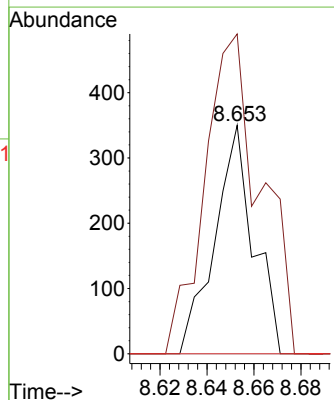
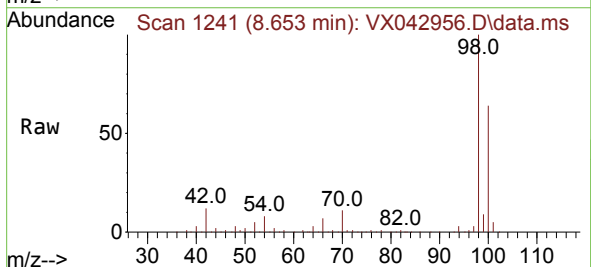
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#10

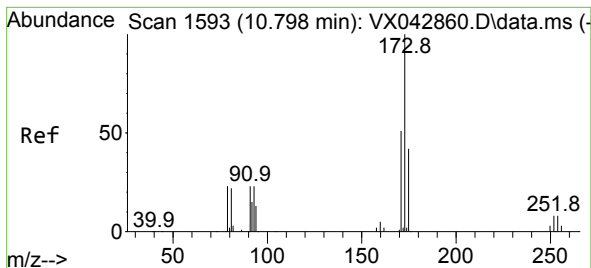
Tgt Ion:	69	Resp:	1031
Ion	Ratio	Lower	Upper
69	100		
41	41.8	33.1	99.2
39	24.3	18.8	56.3



#55
2-Chloroethyl vinyl ether
Concen: 0.206 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.409 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Tgt Ion:	63	Resp:	402
Ion	Ratio	Lower	Upper
63	100		
65	156.0	26.3	39.5#
106	0.0	21.8	32.6#





#56

Bromoform

Concen: 0.464 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

Lab File: VX042956.D

Acq: 08 Aug 2024 15:47

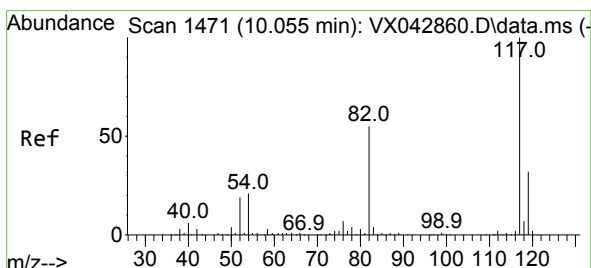
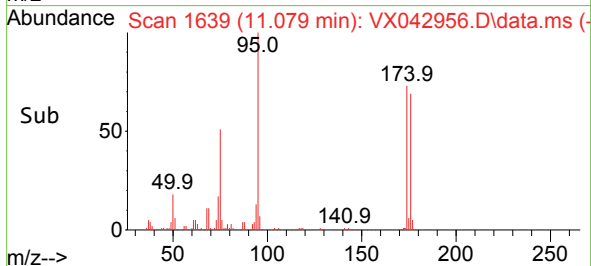
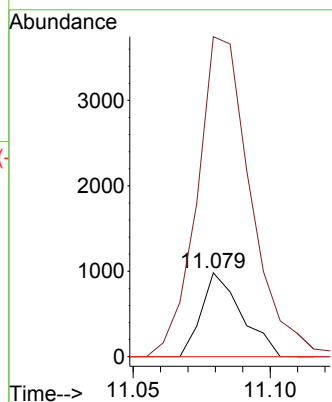
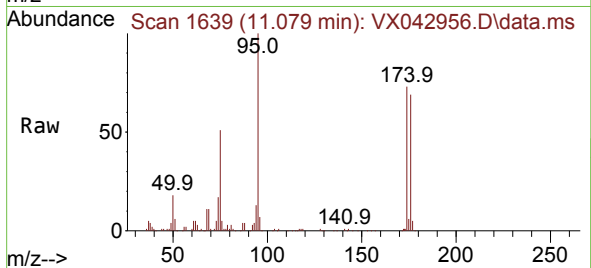
Instrument :

MSVOA_X

ClientSampleId :

PB162548ZHE#10

Tgt Ion:173	Resp:	1000
Ion	Ratio	Lower Upper
173	100	
175	513.0	37.1 55.7#
254	0.0	6.6 10.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

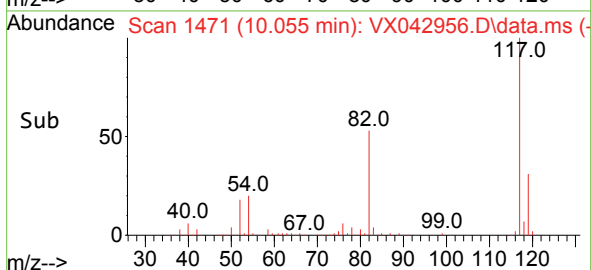
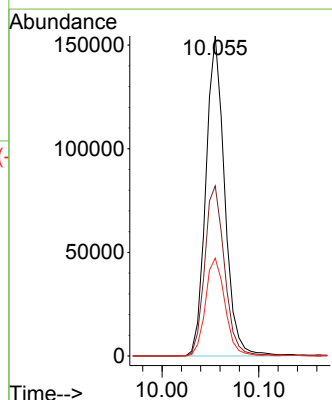
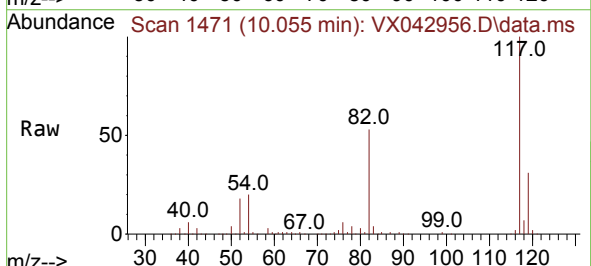
RT: 10.055 min Scan# 1471

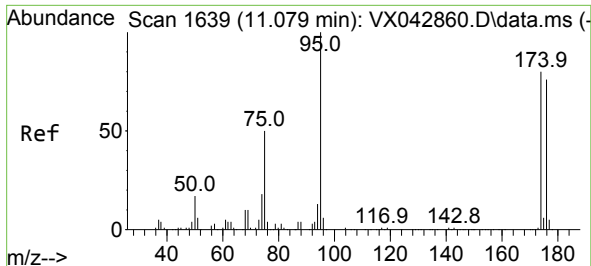
Delta R.T. 0.000 min

Lab File: VX042956.D

Acq: 08 Aug 2024 15:47

Tgt Ion:117	Resp:	208777
Ion	Ratio	Lower Upper
117	100	
82	55.8	44.9 67.3
119	31.8	25.4 38.2

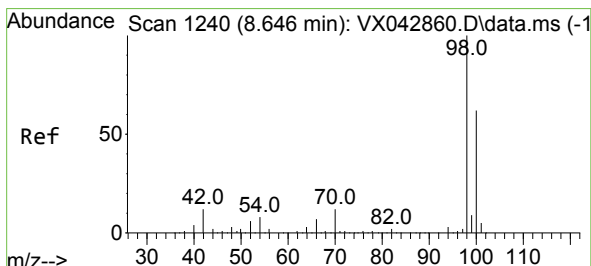
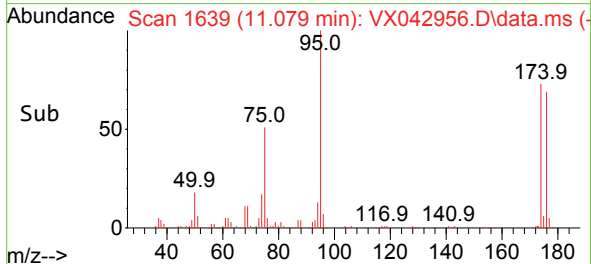
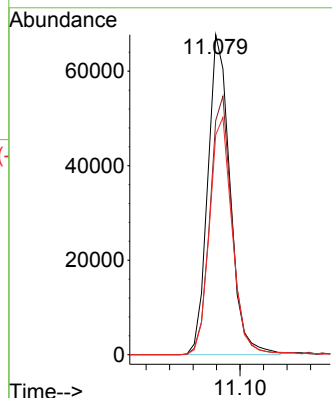
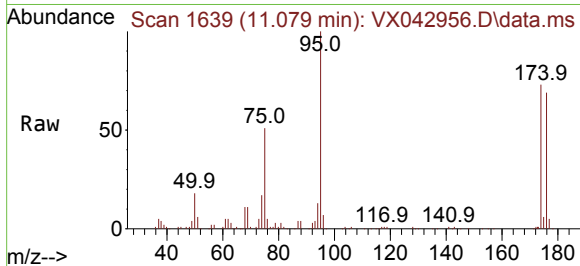




#60
4-Bromofluorobenzene
Concen: 26.125 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

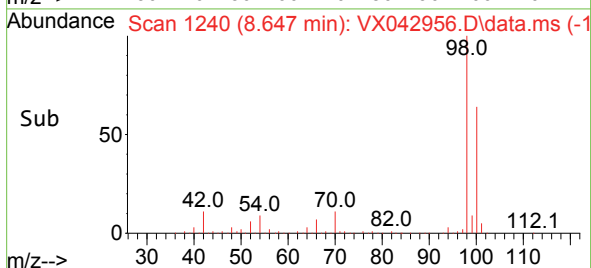
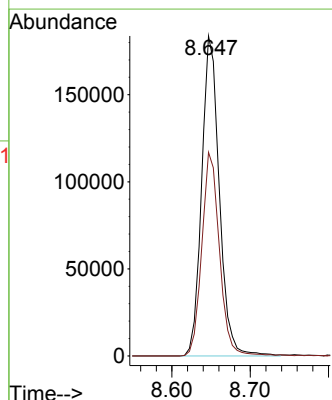
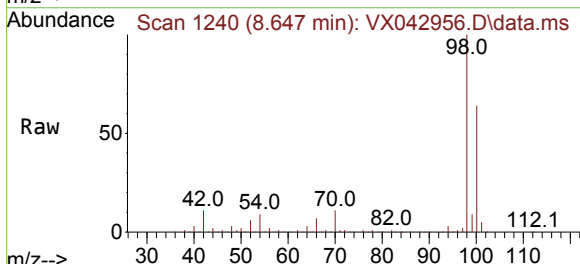
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#10

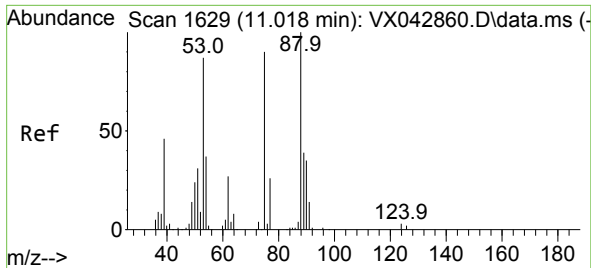
Tgt Ion: 95 Resp: 88983
Ion Ratio Lower Upper
95 100
174 80.4 65.0 97.6
176 76.1 63.4 95.0



#63
Toluene-d8
Concen: 30.454 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Tgt Ion: 98 Resp: 287201
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.905 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042956.D
 Acq: 08 Aug 2024 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#10

Tgt Ion: 75 Resp: 45433
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#

