

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 :

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)

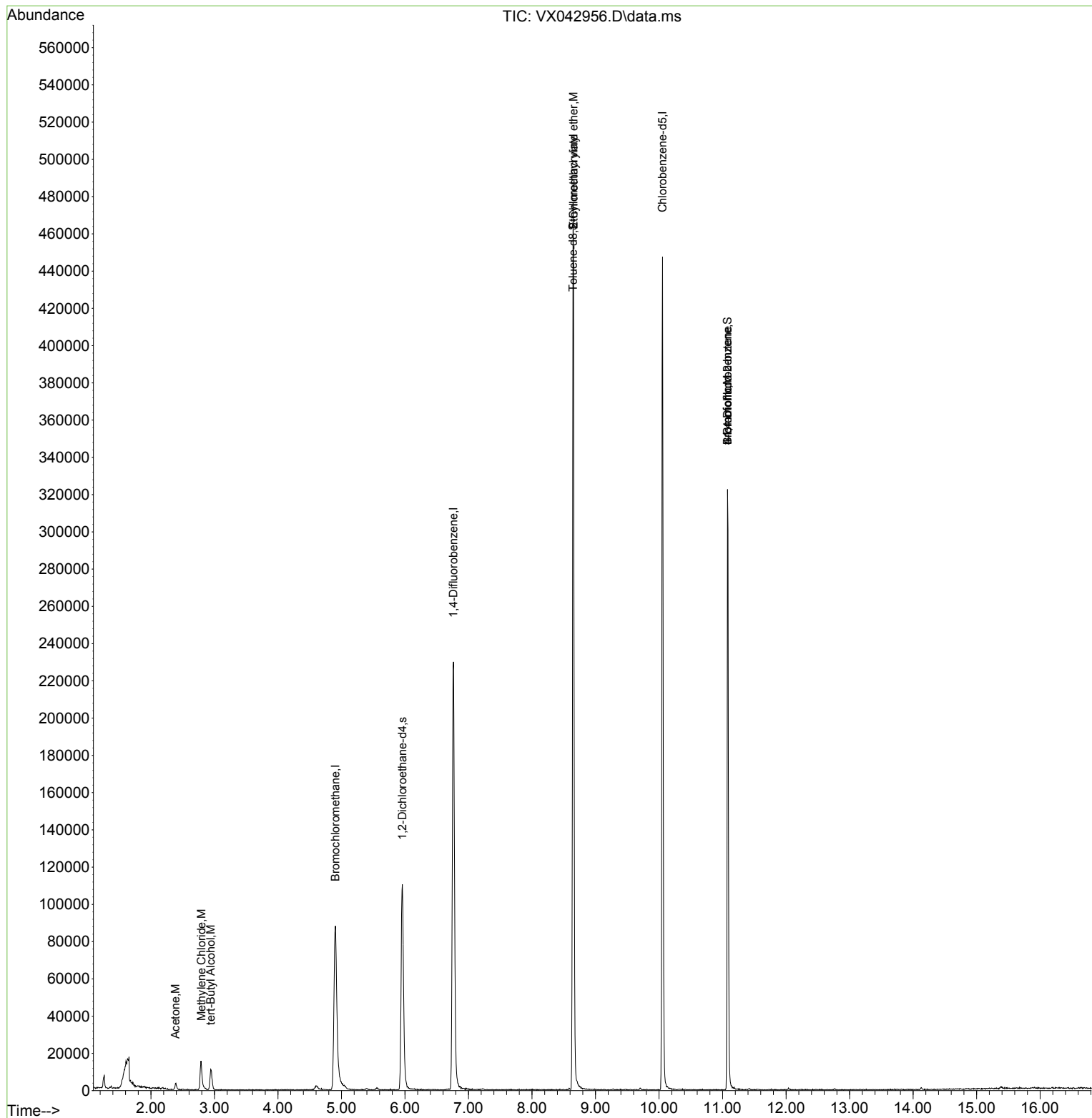
Internal Standards						
1) Bromochloromethane	4.904	128	41350	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	238535	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	208777	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	110690	28.989	ug/l	0.00
Spiked Amount	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

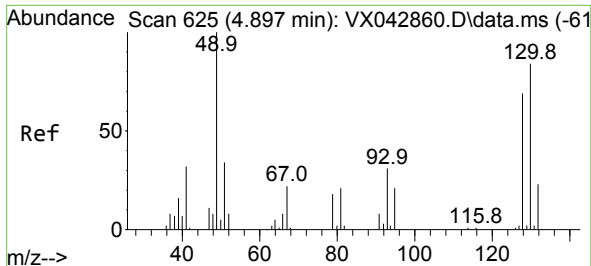
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

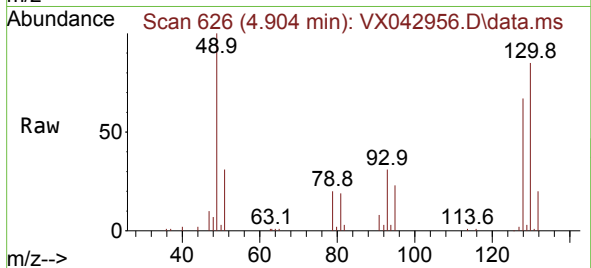
Quant Time: Aug 09 05:11:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
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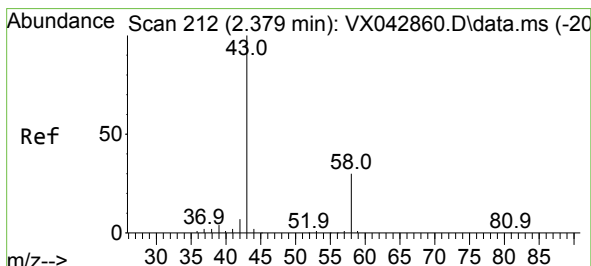
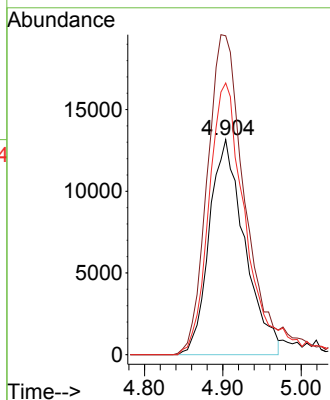
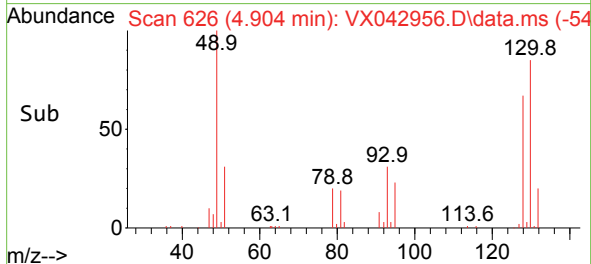


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Instrument :
MSVOA_X
ClientSampleId :

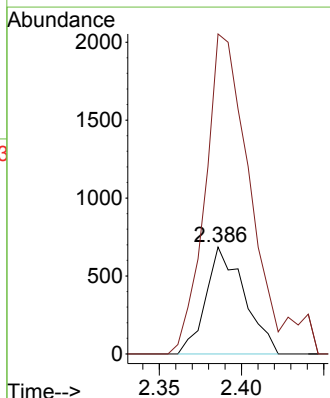
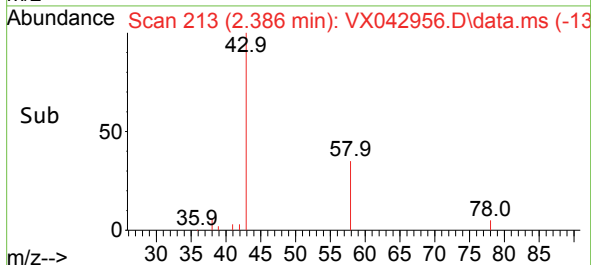
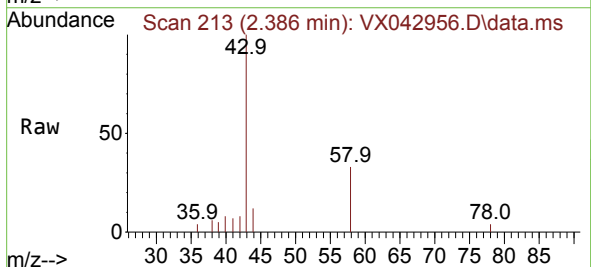


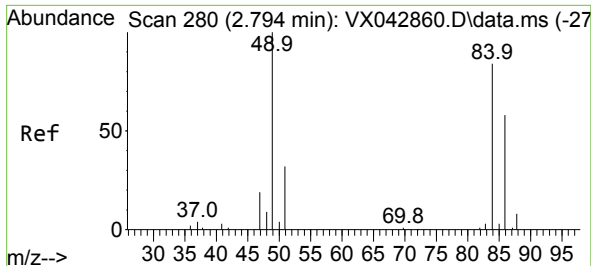
Tgt Ion:128 Resp: 41350
Ion Ratio Lower Upper
128 100
49 155.0 0.0 400.5
130 126.4 0.0 333.0



#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

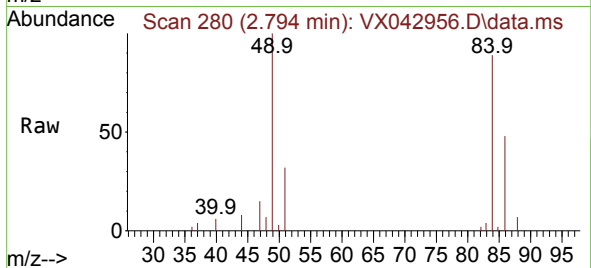
Tgt Ion: 58 Resp: 1115
Ion Ratio Lower Upper
58 100
43 290.9 269.9 404.9



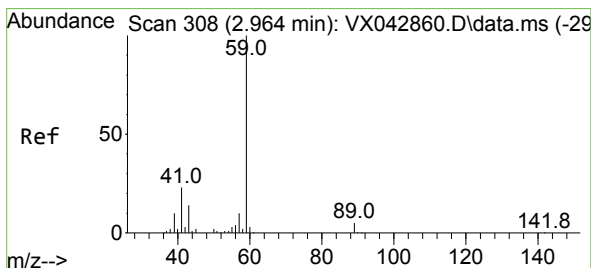
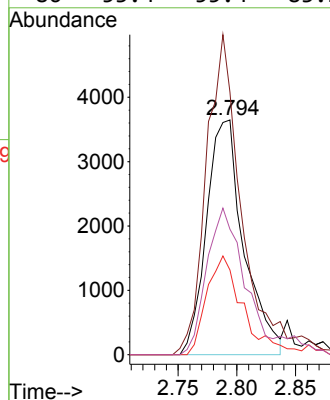
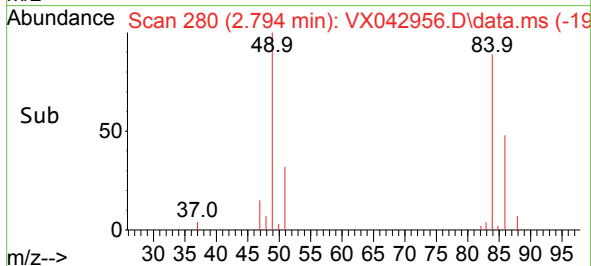


#18
Methylene Chloride
Concen: 2.810 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Instrument :
MSVOA_X
ClientSampleId :

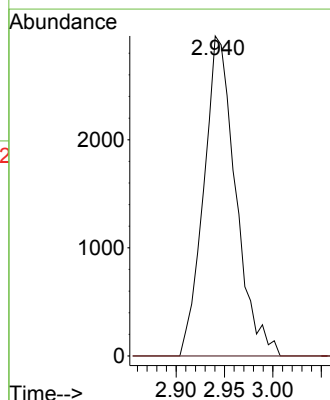
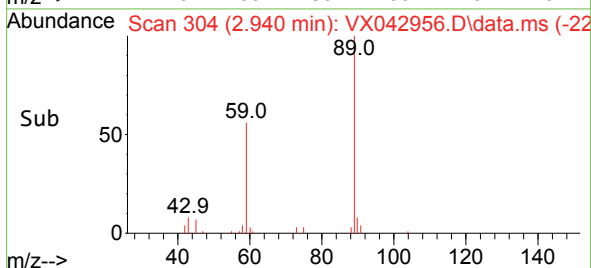
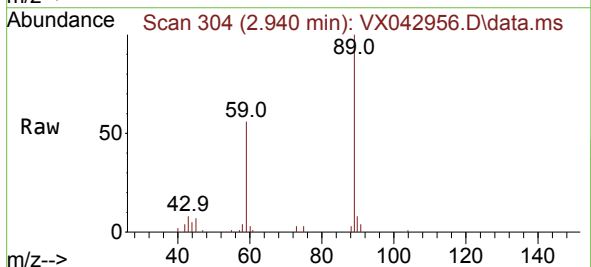


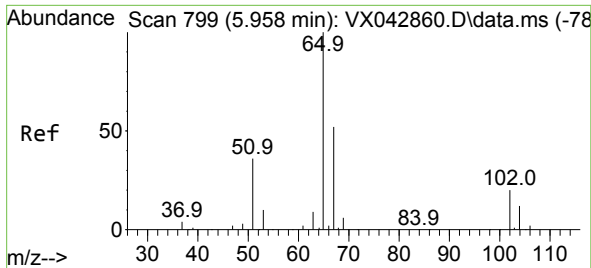
Tgt Ion: 84 Resp: 8064
Ion Ratio Lower Upper
84 100
49 109.1 95.0 142.6
51 36.1 30.1 45.1
86 53.4 55.4 83.2#



#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

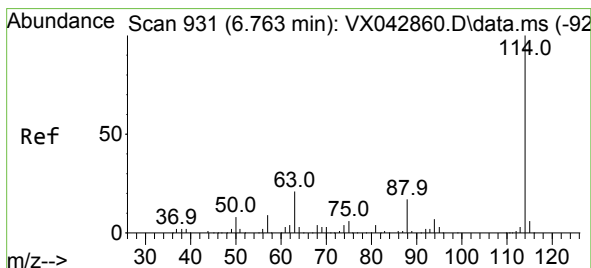
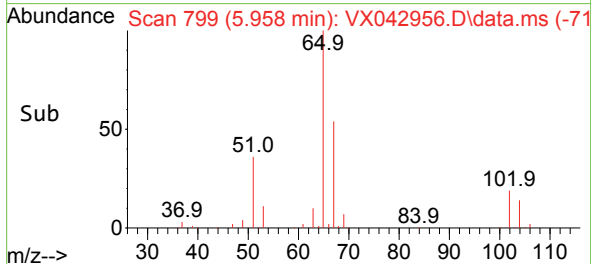
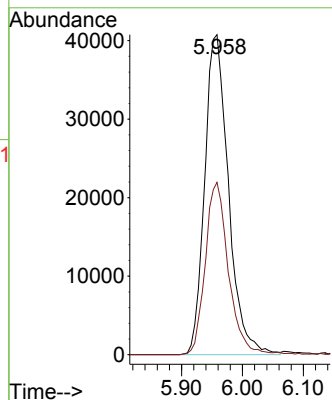
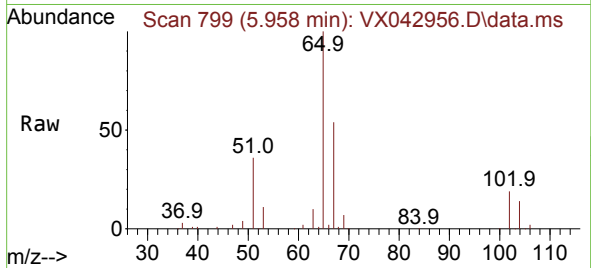
ClientSampleId :

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

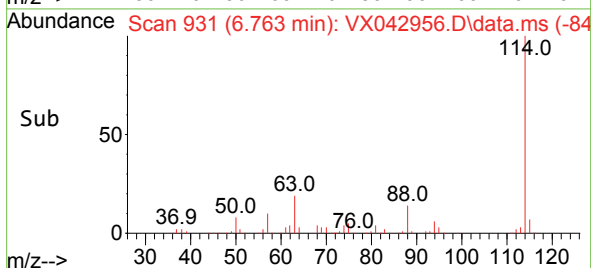
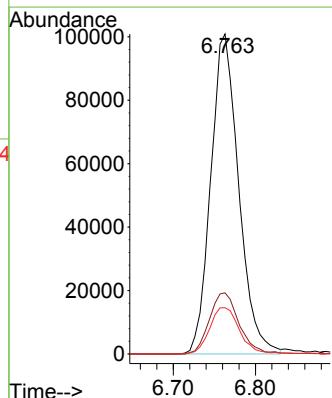
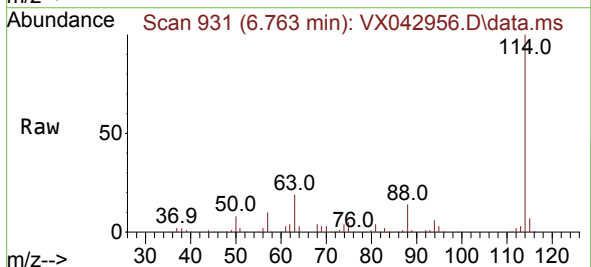
Tgt Ion: 114 Resp: 238535

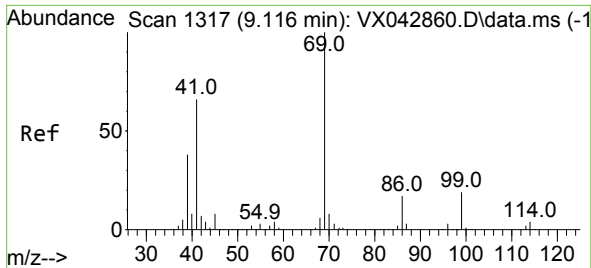
Ion Ratio Lower Upper

114 100

63 20.0 16.0 24.0

88 15.4 12.5 18.7

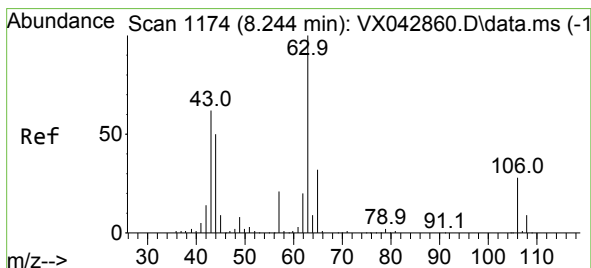
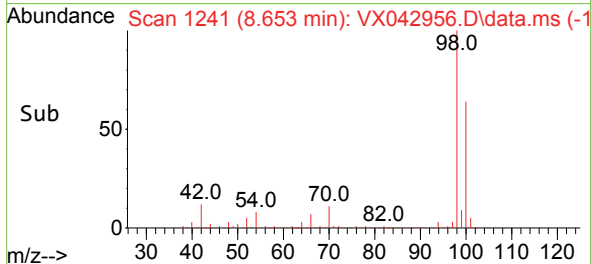
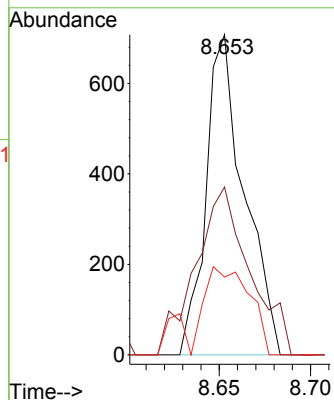
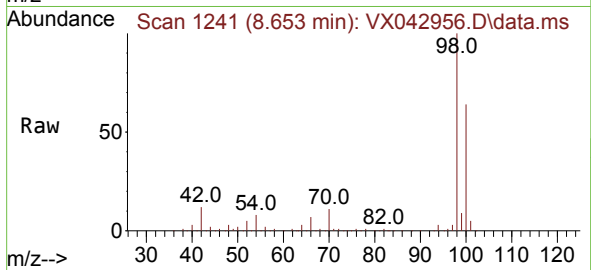




#51
Ethyl methacrylate
Concen: 0.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

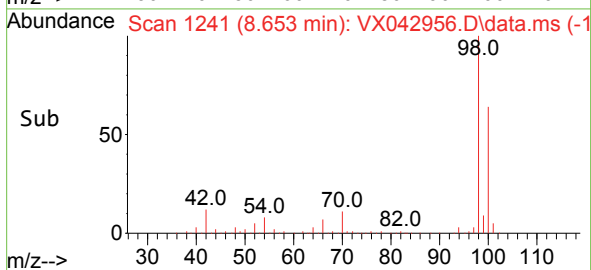
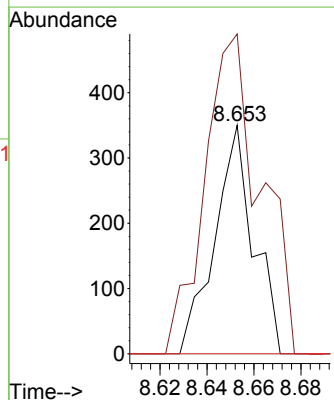
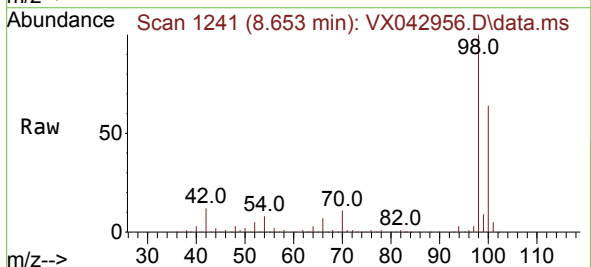
Instrument :
MSVOA_X
ClientSampleId :

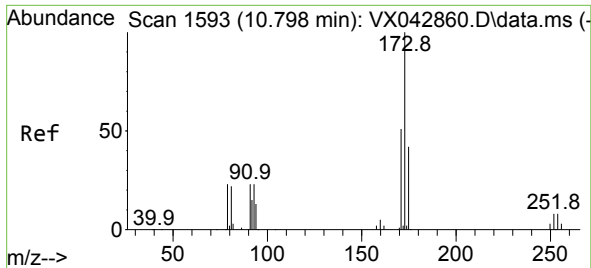
Tgt Ion: 69 Resp: 1031
Ion Ratio Lower Upper
69 100
41 41.8 33.1 99.2
39 24.3 18.8 56.3



#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

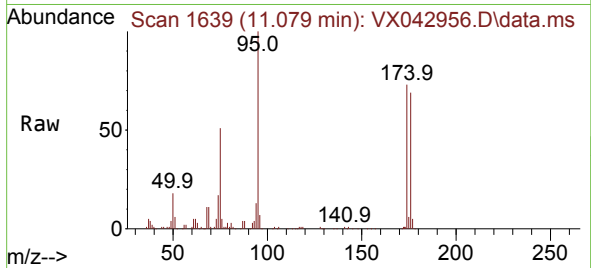
Tgt Ion: 63 Resp: 402
Ion Ratio Lower Upper
63 100
65 156.0 26.3 39.5#
106 0.0 21.8 32.6#



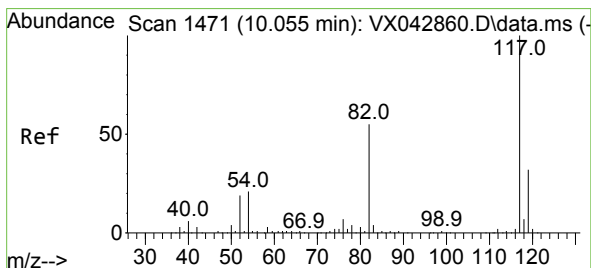
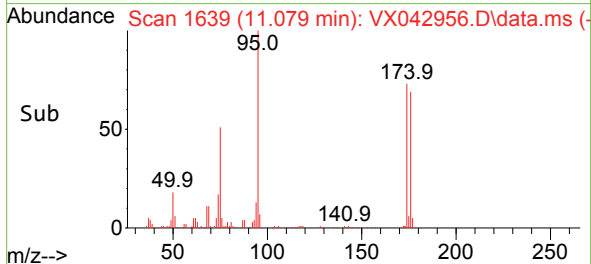
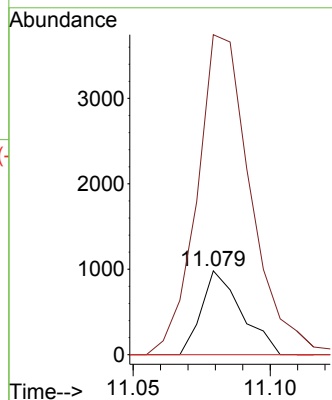


#56
Bromoform
Concen: 0.464 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

Instrument :
MSVOA_X
ClientSampleId :

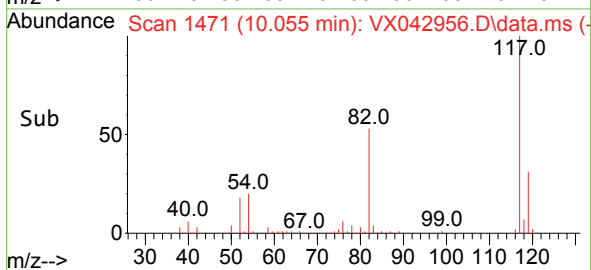
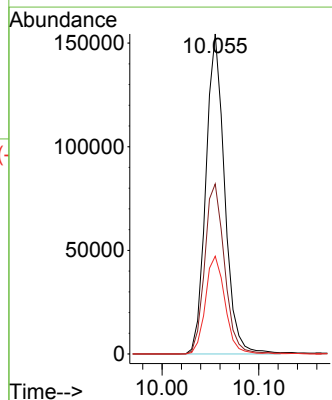
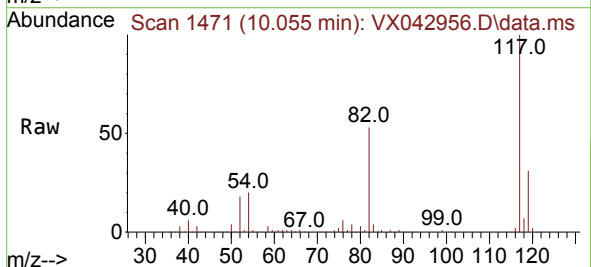


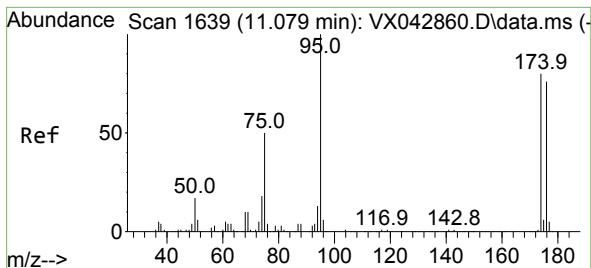
Tgt Ion:173 Resp: 1000
Ion Ratio Lower Upper
173 100
175 513.0 37.1 55.7#
254 0.0 6.6 10.0#



#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

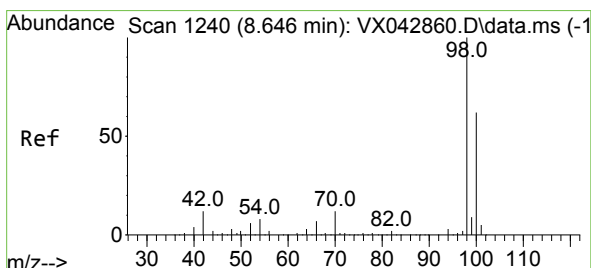
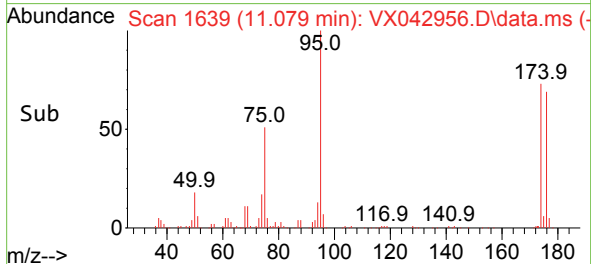
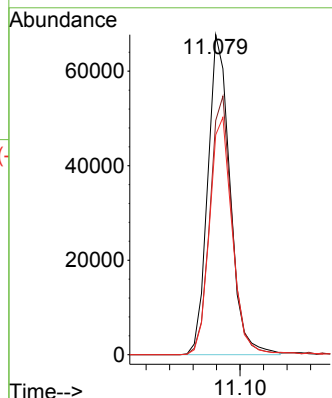
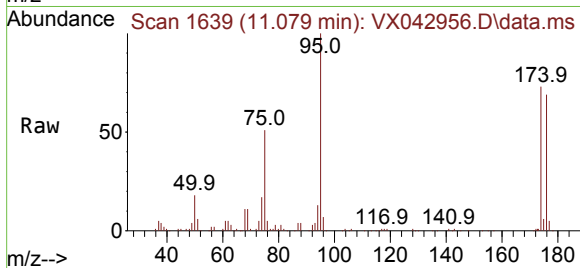




#60
4-Bromofluorobenzene
Concen: 26.125 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042956.D
Acq: 08 Aug 2024 15:47

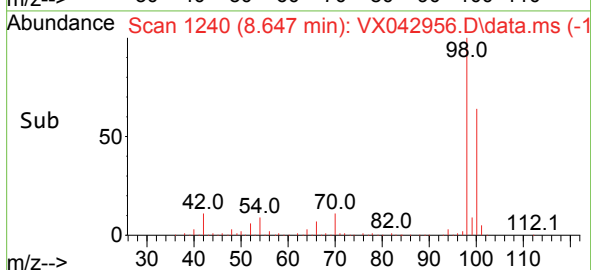
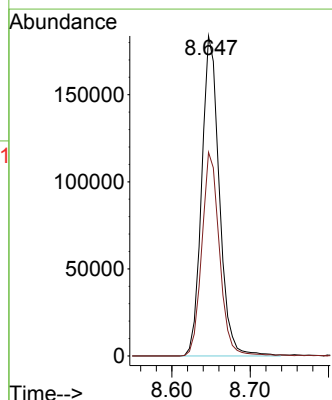
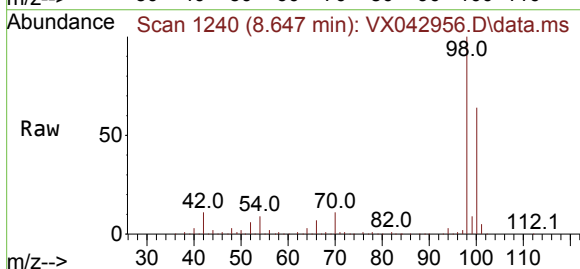
Instrument :
MSVOA_X
ClientSampleId :

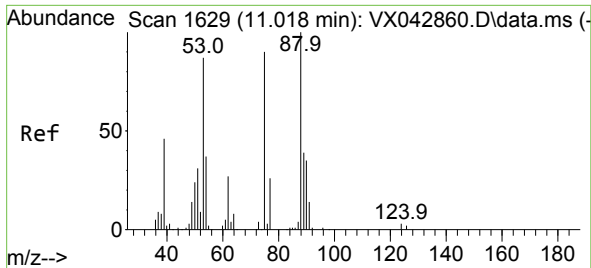
Tgt Ion: 95 Resp: 88983
Ion Ratio Lower Upper
95 100
174 80.4 65.0 97.6
176 76.1 63.4 95.0



#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

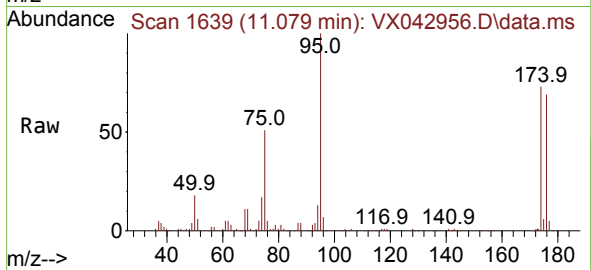
Tgt Ion: 98 Resp: 287201
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3





#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 :



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#

