

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041688.D
 Acq On : 30 May 2024 12:33
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 31 05:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

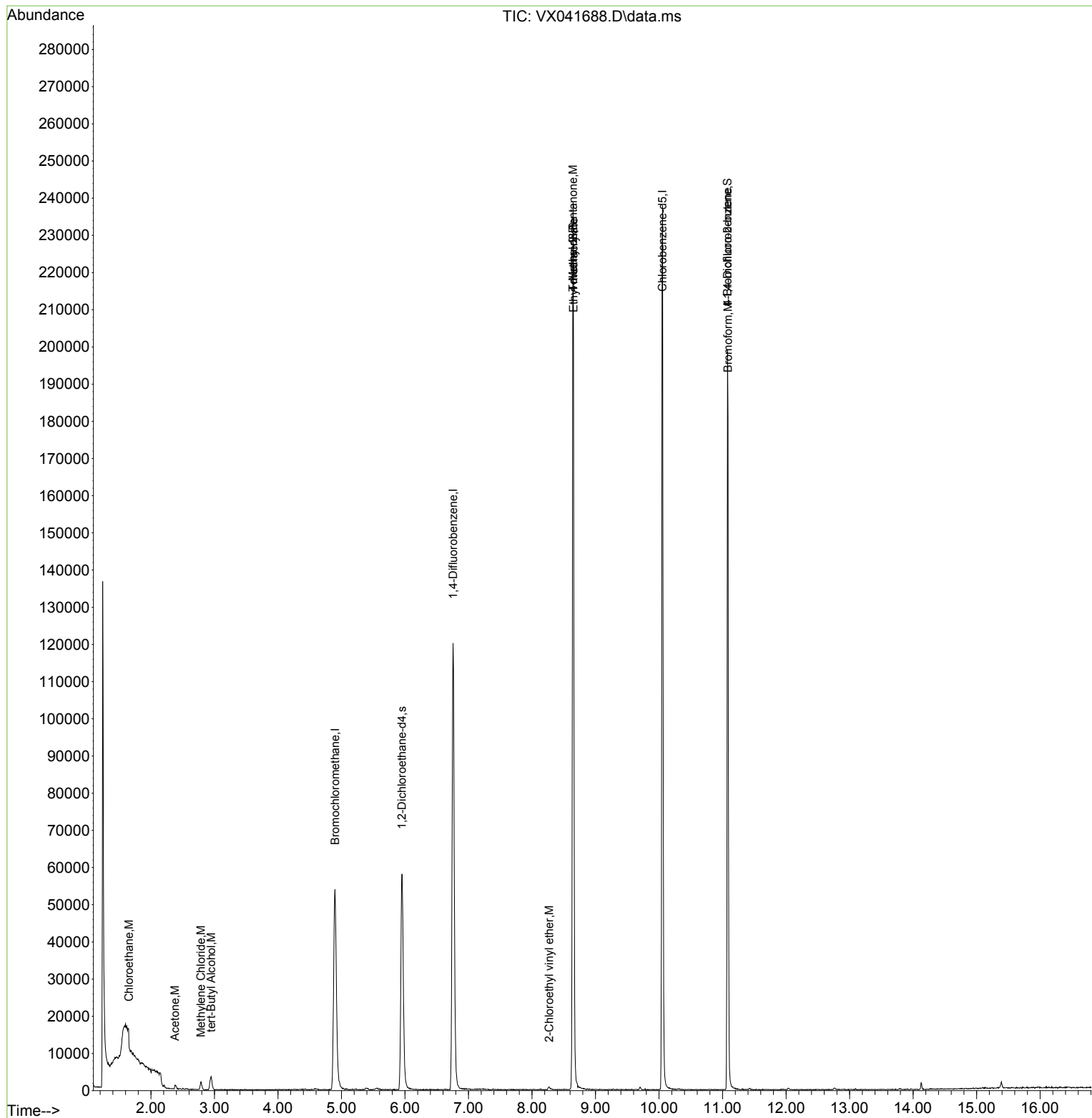
Internal Standards						
1) Bromochloromethane	4.897	128	24417	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	126731	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	115814	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58272	30.305	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.033%
60) 4-Bromofluorobenzene	11.079	95	49884	27.592	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.967%
63) Toluene-d8	8.647	98	143905	28.987	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.633%
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	1005	1.350	ug/l #	44
15) Acetone	2.379	58	217	0.979	ug/l #	17
18) Methylene Chloride	2.788	84	1112	0.748	ug/l	91
23) tert-Butyl Alcohol	2.946	59	2348	6.689	ug/l #	100
51) Ethyl methacrylate	8.653	69	458	0.208	ug/l	79
55) 2-Chloroethyl vinyl ether	8.269	63	427	0.397	ug/l #	84
56) Bromoform	11.085	173	421	0.337	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	647	0.306	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25845	41.701	ug/l #	1

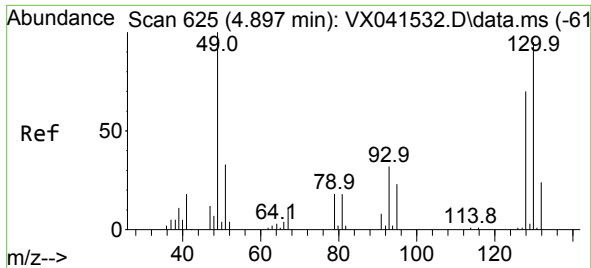
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
Data File : VX041688.D
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MSVOA_X
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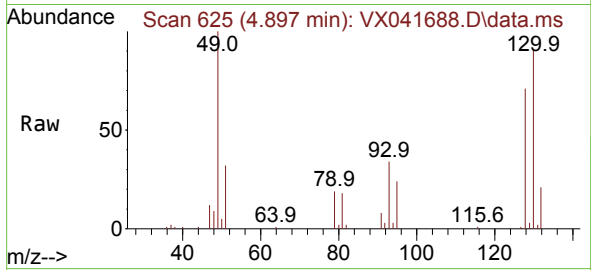
Quant Time: May 31 05:29:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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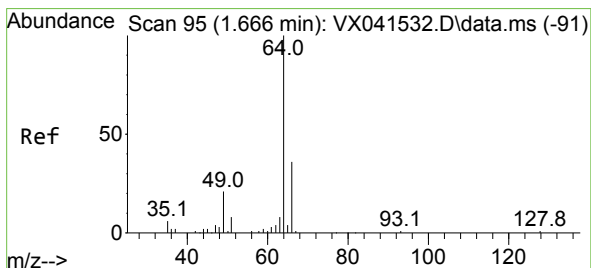
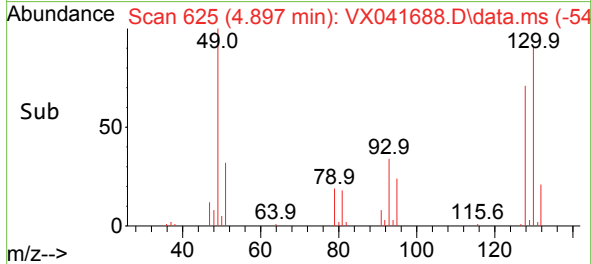
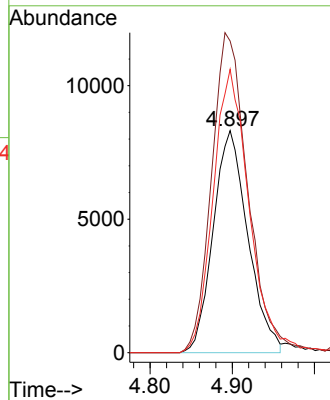


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041688.D
Acq: 30 May 2024 12:33

Instrument :
MSVOA_X
ClientSampleId :

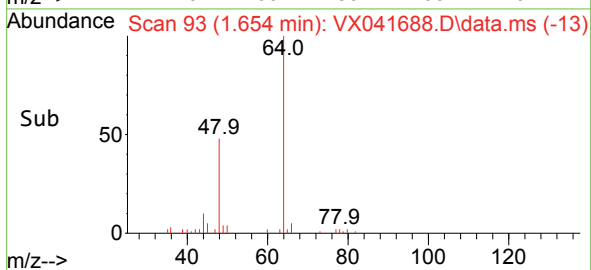
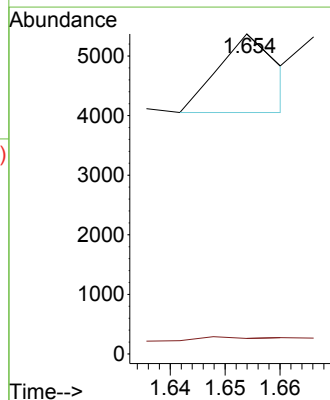
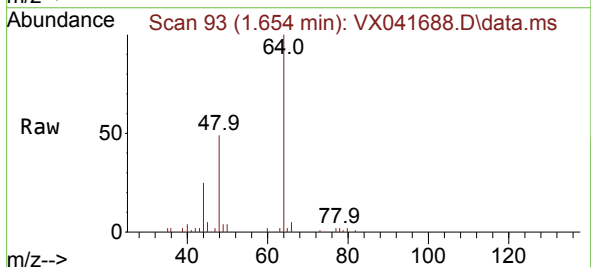


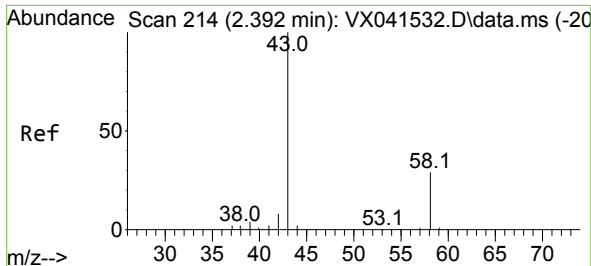
Tgt Ion:128 Resp: 24417
Ion Ratio Lower Upper
128 100
49 151.3 0.0 361.5
130 132.6 0.0 324.3



#6
Chloroethane
Concen: 1.350 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX041688.D
Acq: 30 May 2024 12:33

Tgt Ion: 64 Resp: 1005
Ion Ratio Lower Upper
64 100
66 3.0 28.6 42.8#





#15

Acetone

Concen: 0.979 ug/l

RT: 2.379 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX041688.D

Acq: 30 May 2024 12:33

Instrument :

MSVOA_X

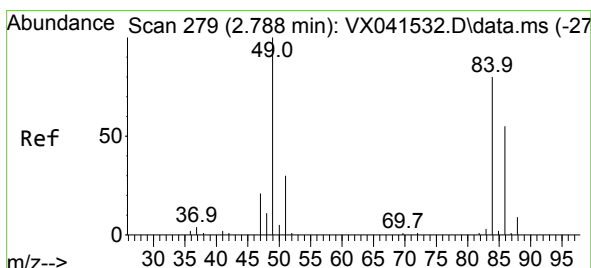
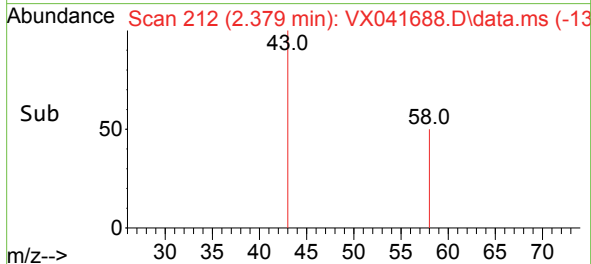
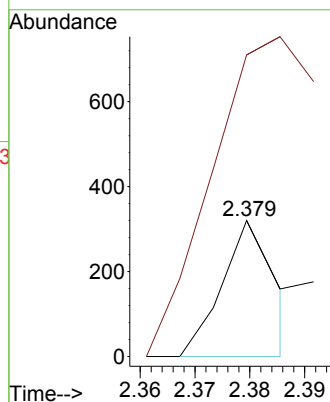
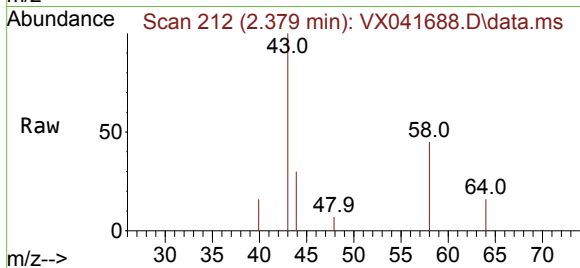
ClientSampleId :

Tgt Ion: 58 Resp: 217

Ion Ratio Lower Upper

58 100

43 164.4 274.0 411.0#



#18

Methylene Chloride

Concen: 0.748 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX041688.D

Acq: 30 May 2024 12:33

Tgt Ion: 84 Resp: 1112

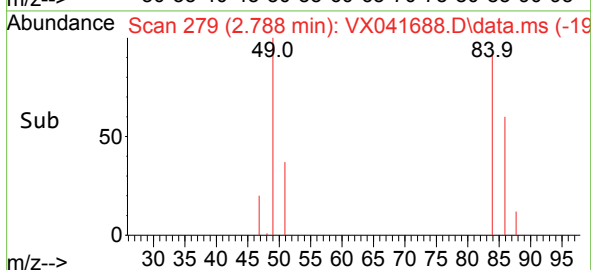
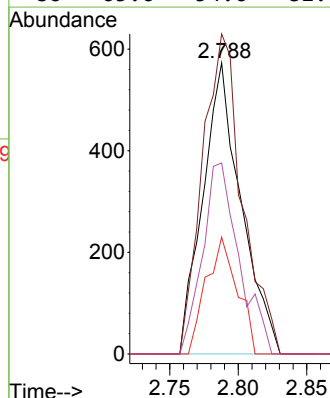
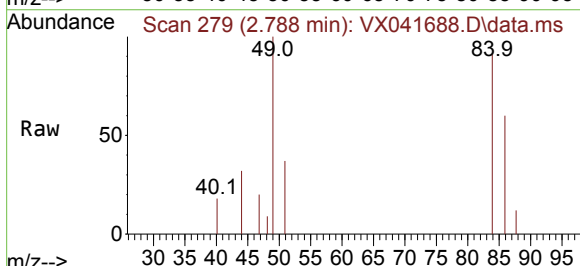
Ion Ratio Lower Upper

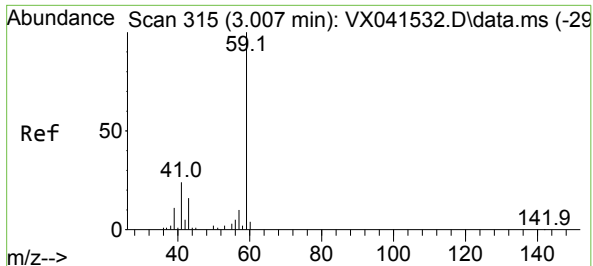
84 100

49 109.9 99.8 149.8

51 40.1 30.2 45.4

86 65.6 54.6 81.8





#23

tert-Butyl Alcohol

Concen: 6.689 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.061 min

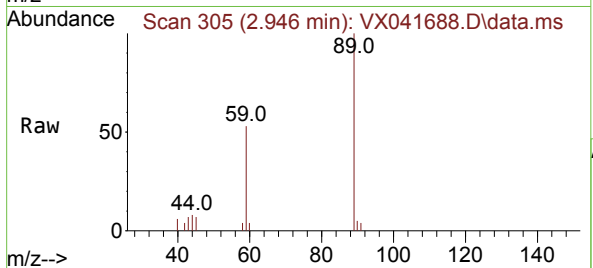
Lab File: VX041688.D

Acq: 30 May 2024 12:33

Instrument :

MSVOA_X

ClientSampleId :

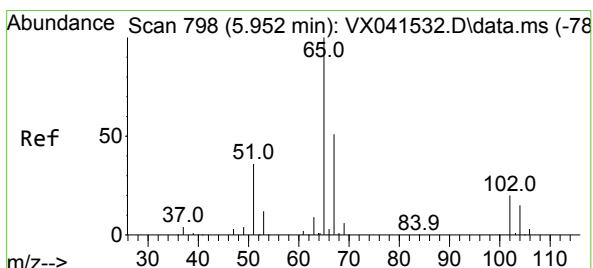
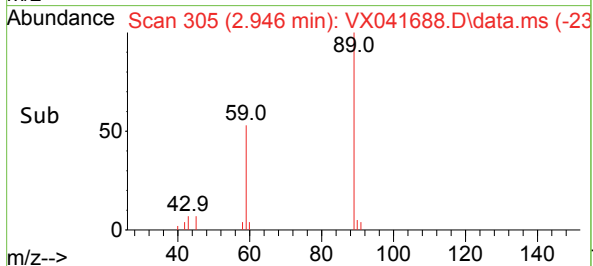
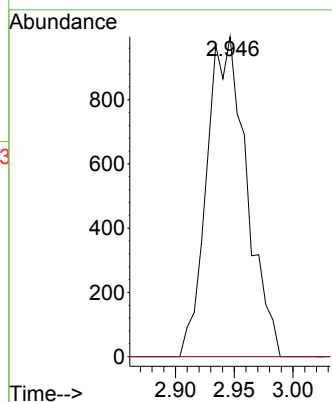


Tgt Ion: 59 Resp: 2348

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 30.305 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041688.D

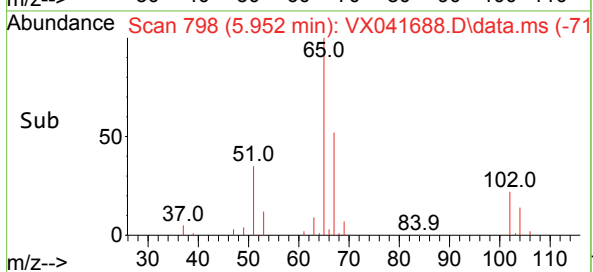
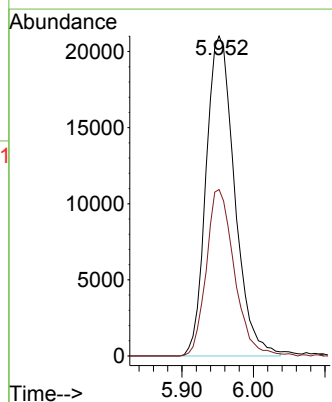
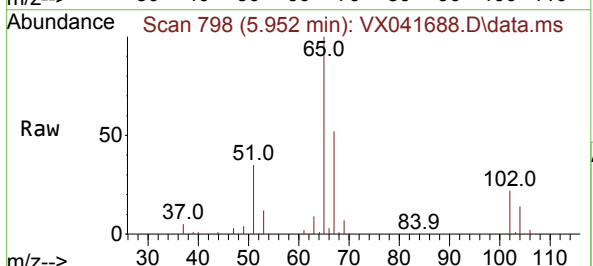
Acq: 30 May 2024 12:33

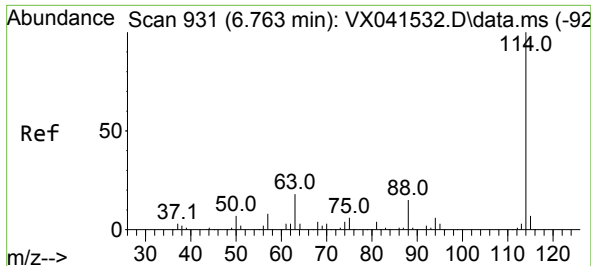
Tgt Ion: 65 Resp: 58272

Ion Ratio Lower Upper

65 100

67 50.9 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX041688.D

Acq: 30 May 2024 12:33

Instrument :

MSVOA_X

ClientSampleId :

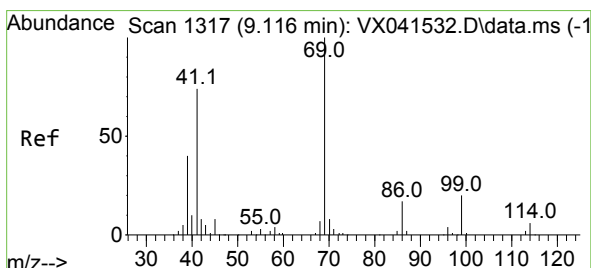
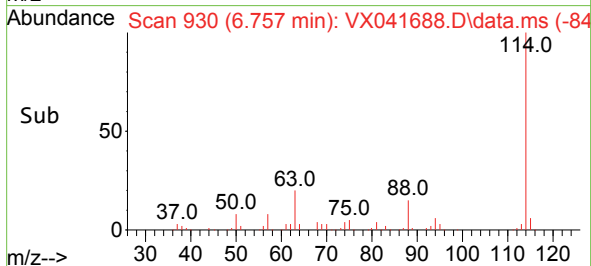
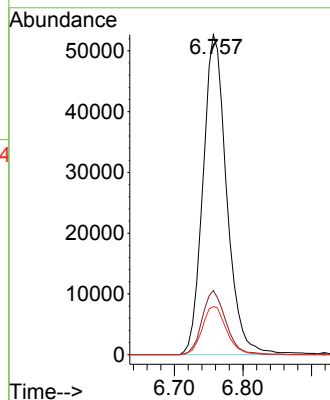
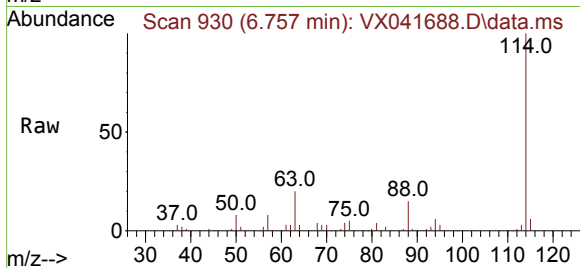
Tgt Ion:114 Resp: 126731

Ion Ratio Lower Upper

114 100

63 20.0 15.4 23.0

88 15.4 12.2 18.2



#51

Ethyl methacrylate

Concen: 0.208 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041688.D

Acq: 30 May 2024 12:33

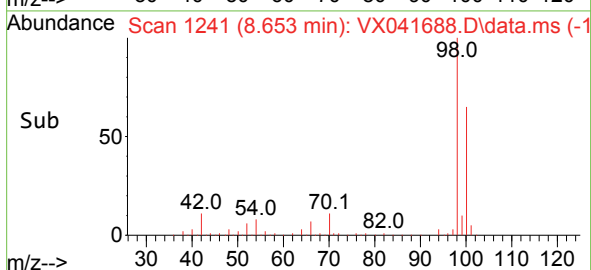
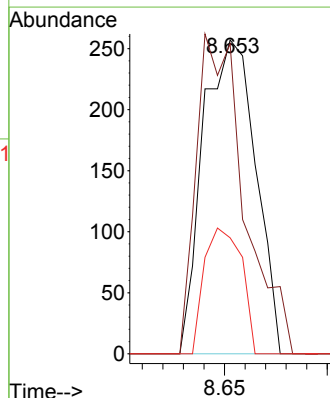
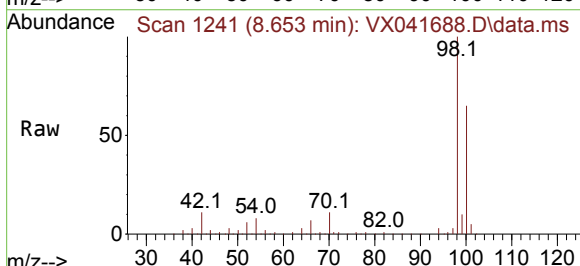
Tgt Ion: 69 Resp: 458

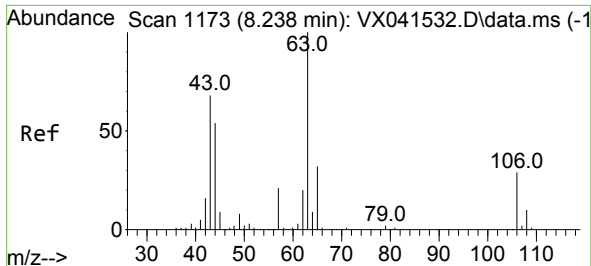
Ion Ratio Lower Upper

69 100

41 98.8 37.1 111.3

39 37.0 20.2 60.6

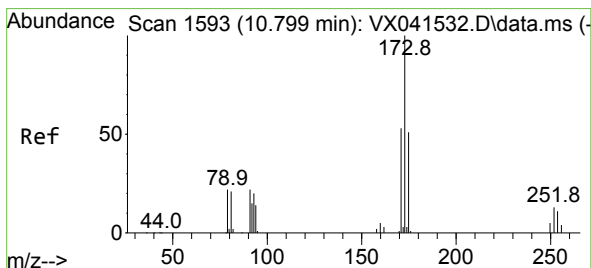
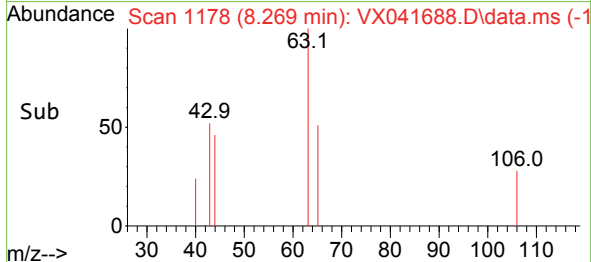
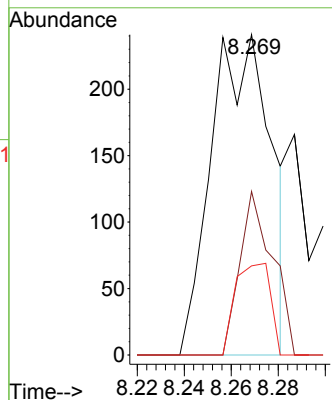
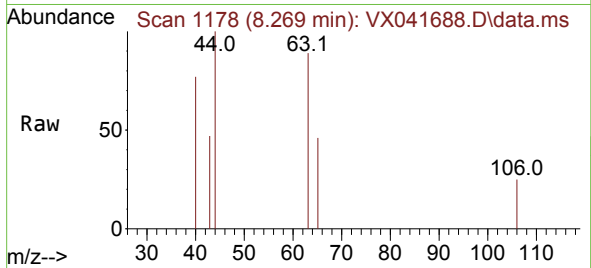




#55
2-Chloroethyl vinyl ether
Concen: 0.397 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.030 min
Lab File: VX041688.D
Acq: 30 May 2024 12:33

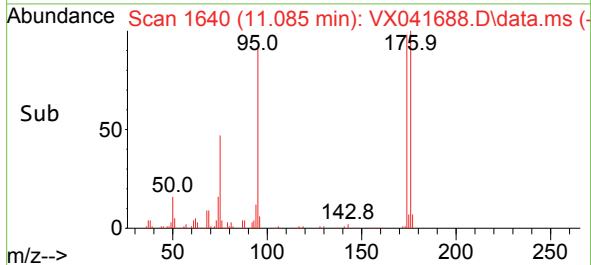
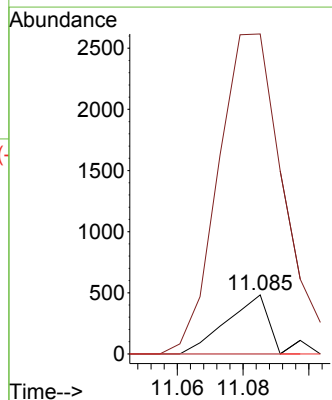
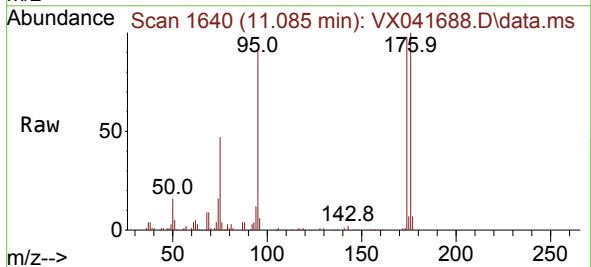
Instrument :
MSVOA_X
ClientSampleId :

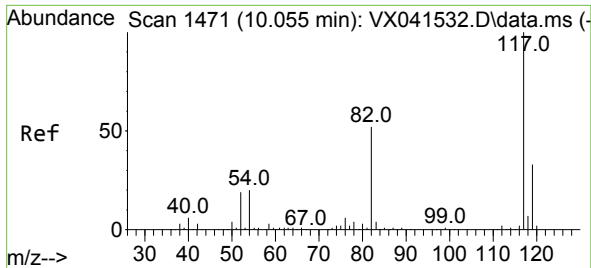
Tgt Ion: 63 Resp: 427
Ion Ratio Lower Upper
63 100
65 27.9 25.5 38.3
106 16.6 24.7 37.1#



#56
Bromoform
Concen: 0.337 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX041688.D
Acq: 30 May 2024 12:33

Tgt Ion:173 Resp: 421
Ion Ratio Lower Upper
173 100
175 862.5 39.0 58.6#
254 0.0 10.3 15.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX041688.D

Acq: 30 May 2024 12:33

Instrument :

MSVOA_X

ClientSampleId :

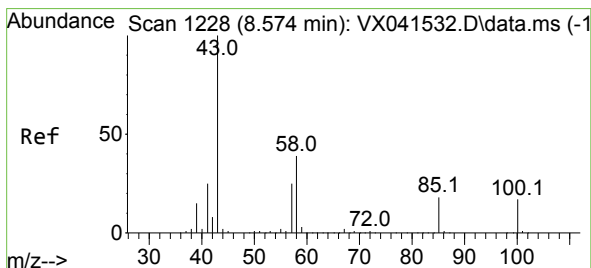
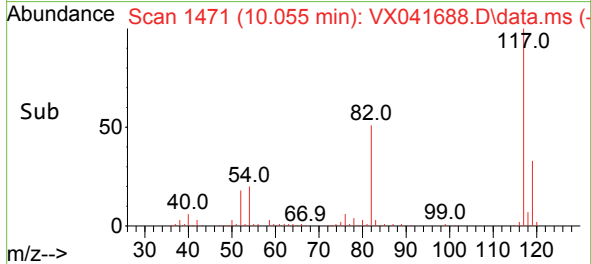
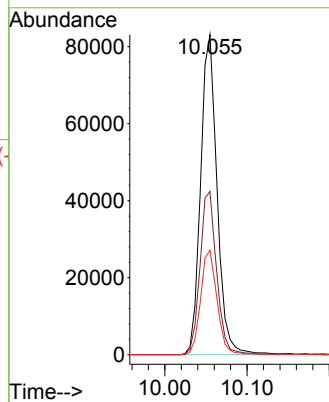
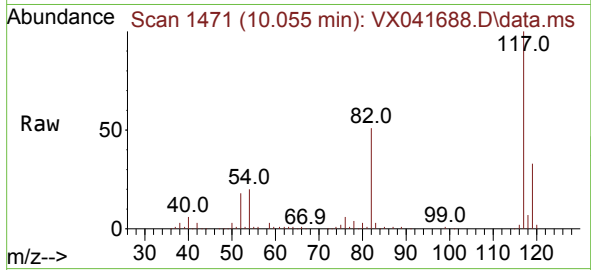
Tgt Ion:117 Resp: 115814

Ion Ratio Lower Upper

117 100

82 51.6 41.7 62.5

119 32.6 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.306 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041688.D

Acq: 30 May 2024 12:33

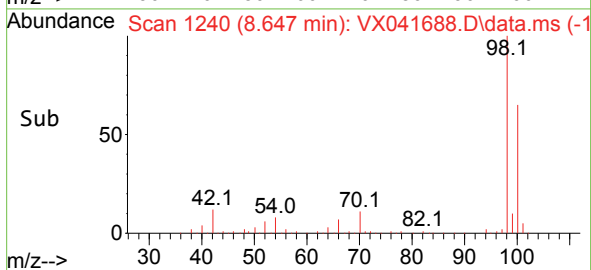
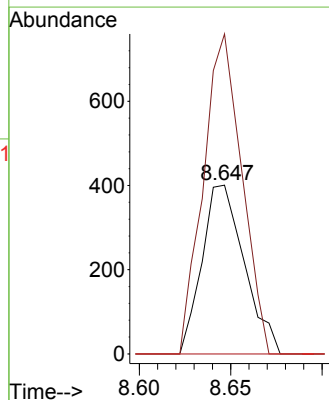
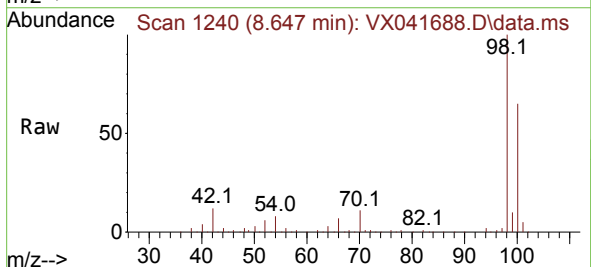
Tgt Ion: 43 Resp: 647

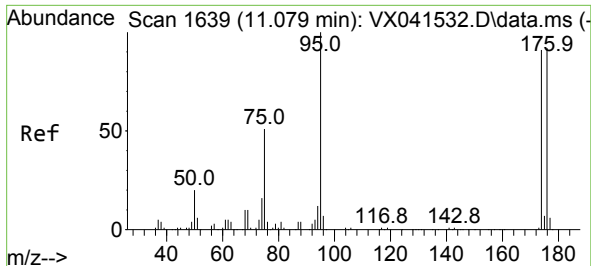
Ion Ratio Lower Upper

43 100

58 172.5 30.2 45.4#

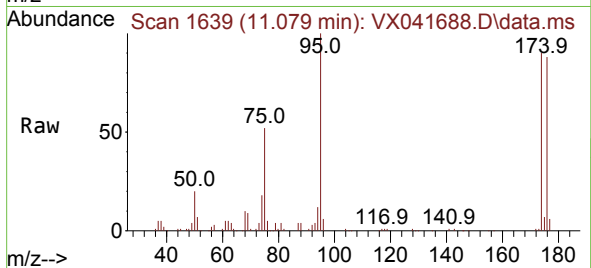
85 0.0 14.6 21.8#



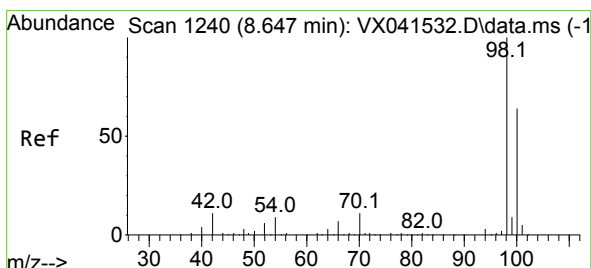
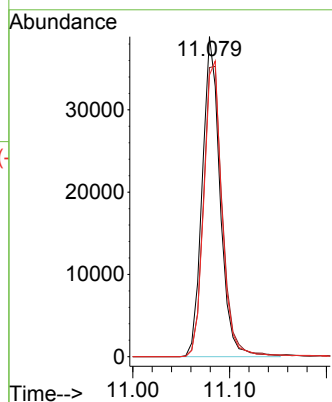
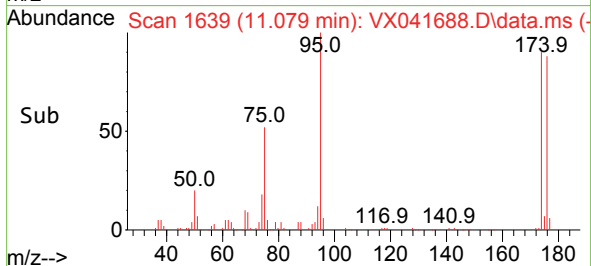


#60
4-Bromofluorobenzene
Concen: 27.592 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041688.D
Acq: 30 May 2024 12:33

Instrument :
MSVOA_X
ClientSampleId :

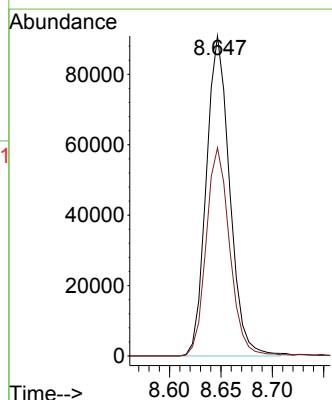
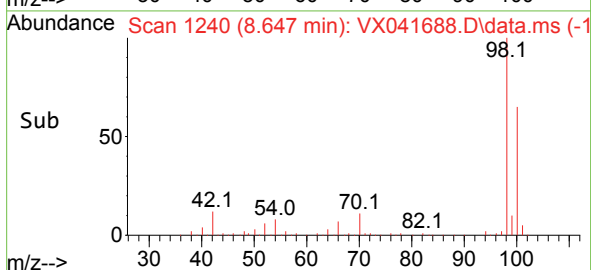
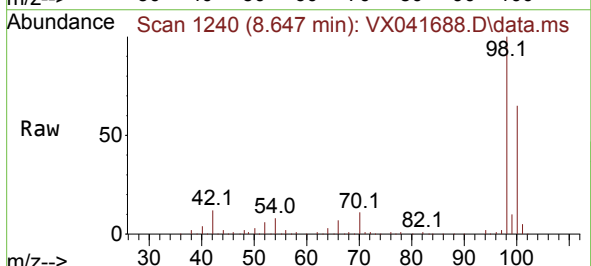


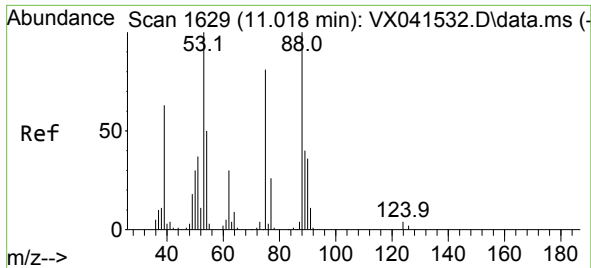
Tgt Ion: 95 Resp: 49884
Ion Ratio Lower Upper
95 100
174 95.6 76.6 115.0
176 94.4 75.4 113.0



#63
Toluene-d8
Concen: 28.987 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041688.D
Acq: 30 May 2024 12:33

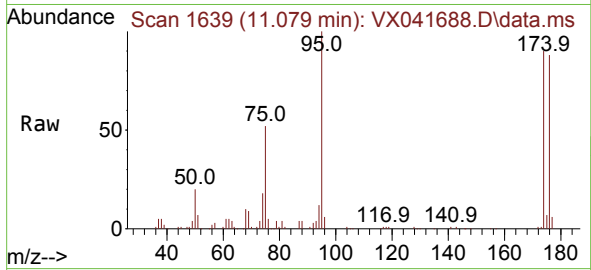
Tgt Ion: 98 Resp: 143905
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 41.701 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041688.D
 Acq: 30 May 2024 12:33

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#

