

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061724\
 Data File : VX041908.D
 Acq On : 17 Jun 2024 14:41
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 02:08:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

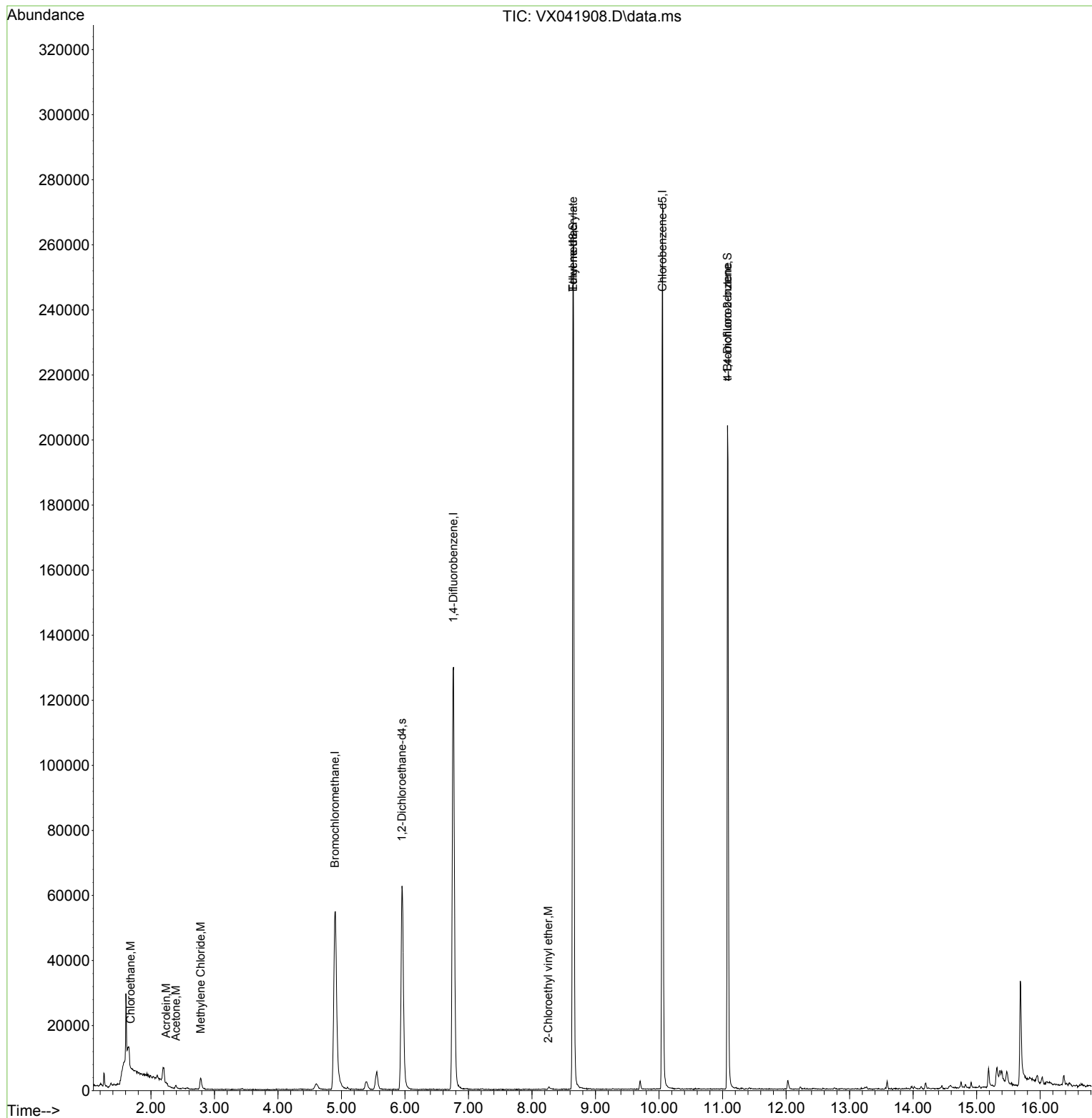
Internal Standards						
1) Bromochloromethane	4.898	128	29336	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	146035	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	132491	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59689	29.557	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.533%
60) 4-Bromofluorobenzene	11.079	95	56022	27.316	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.067%
63) Toluene-d8	8.647	98	166631	29.396	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.000%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	2034	2.293	ug/l #	54
13) Acrolein	2.239	56	98	0.213	ug/l #	11
15) Acetone	2.392	58	260	0.838	ug/l #	49
18) Methylene Chloride	2.782	84	2029	0.987	ug/l	98
51) Ethyl methacrylate	8.647	69	556	0.215	ug/l	88
55) 2-Chloroethyl vinyl ether	8.257	63	414	0.344	ug/l #	81
77) t-1,4-Dichloro-2-butene	11.079	75	25704	33.538	ug/l #	7

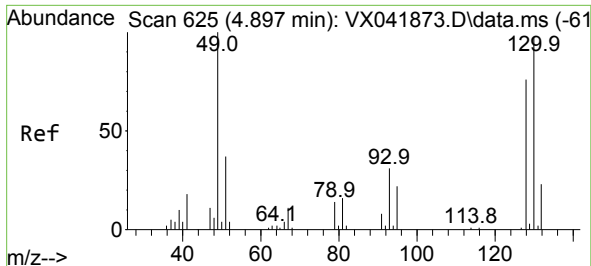
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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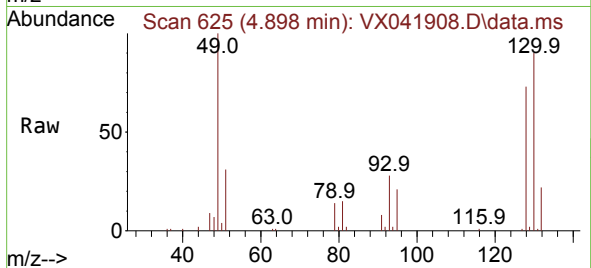
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



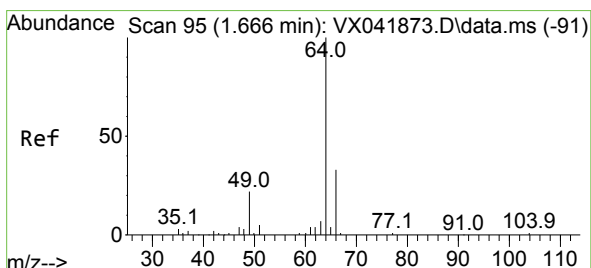
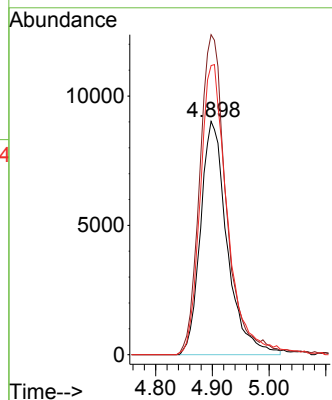
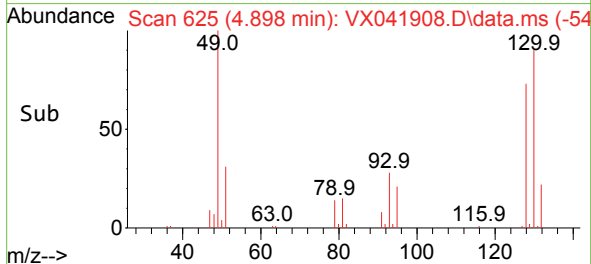


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

Instrument :
MSVOA_X
ClientSampleId :

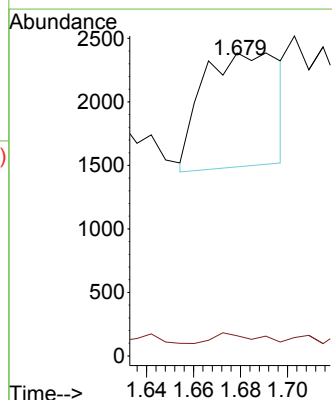
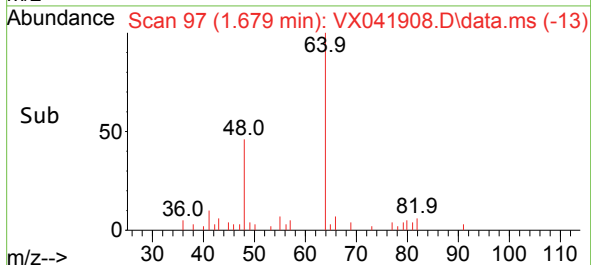
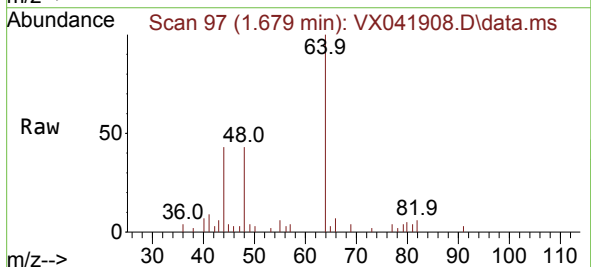


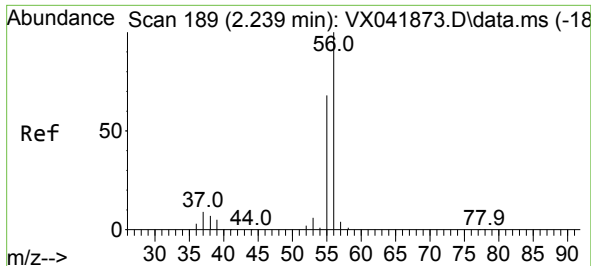
Tgt Ion:128 Resp: 29336
Ion Ratio Lower Upper
128 100
49 135.1 0.0 338.5
130 127.9 0.0 324.5



#6
Chloroethane
Concen: 2.293 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

Tgt Ion: 64 Resp: 2034
Ion Ratio Lower Upper
64 100
66 6.8 26.4 39.6#

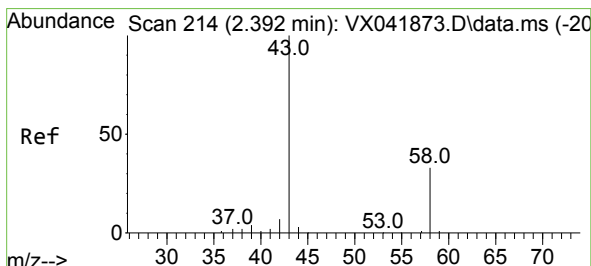
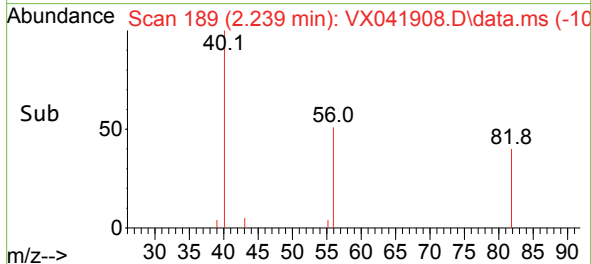
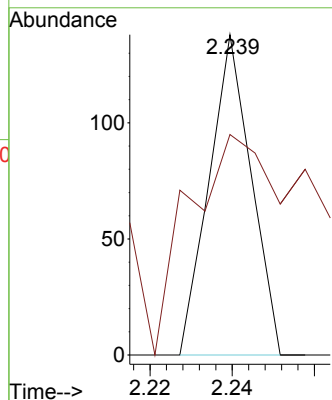
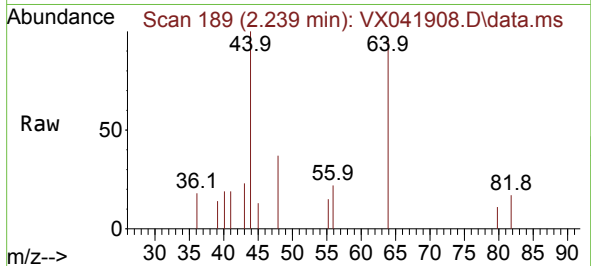




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

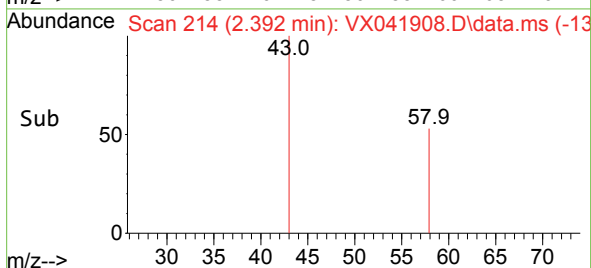
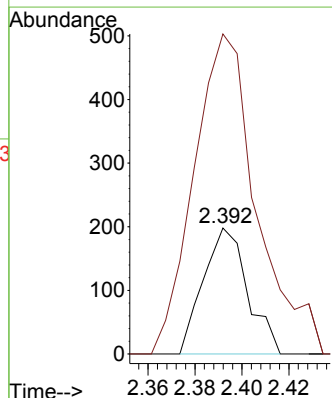
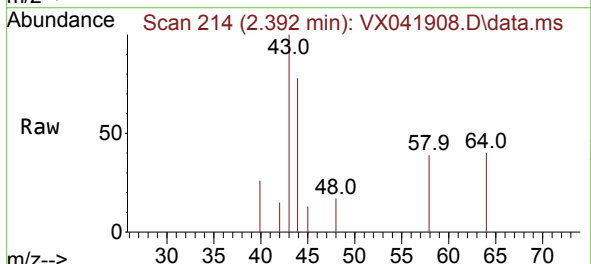
Instrument :
MSVOA_X
ClientSampleId :

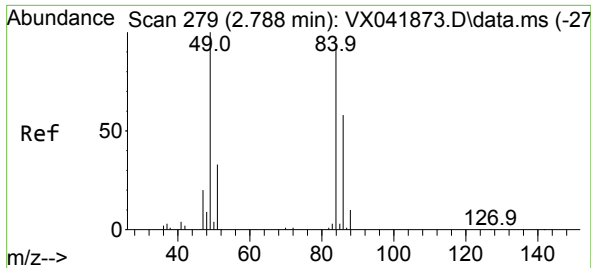
Tgt Ion: 56 Resp: 98
Ion Ratio Lower Upper
56 100
55 141.8 55.4 83.0#



#15
Acetone
Concen: 0.838 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

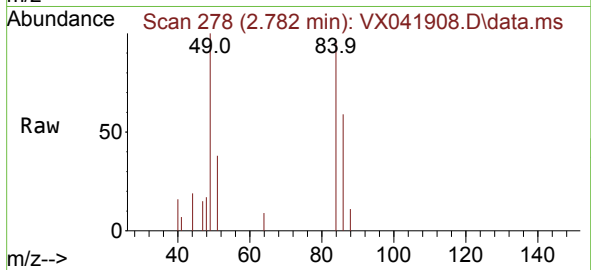
Tgt Ion: 58 Resp: 260
Ion Ratio Lower Upper
58 100
43 203.0 243.4 365.2#



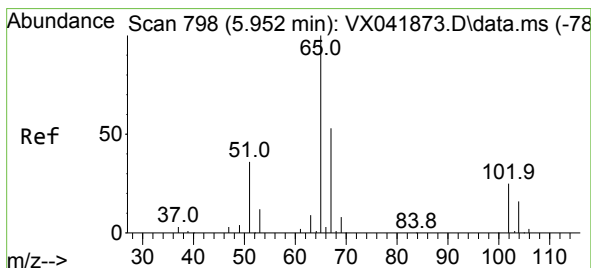
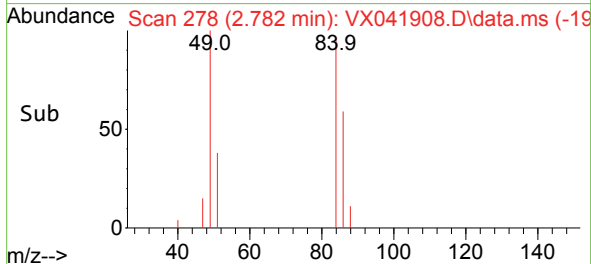
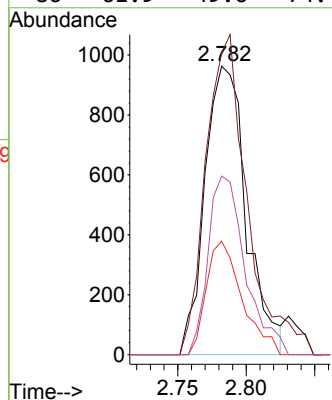


#18
Methylene Chloride
Concen: 0.987 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

Instrument :
MSVOA_X
ClientSampleId :

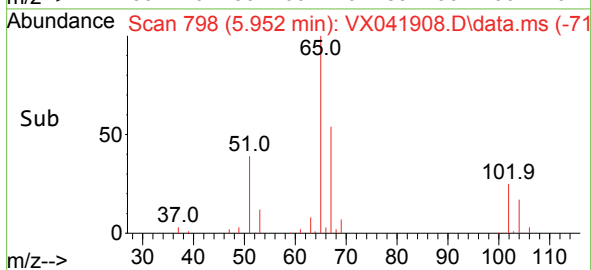
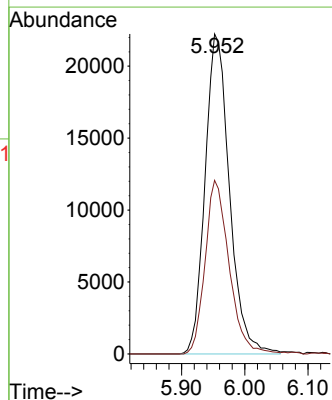
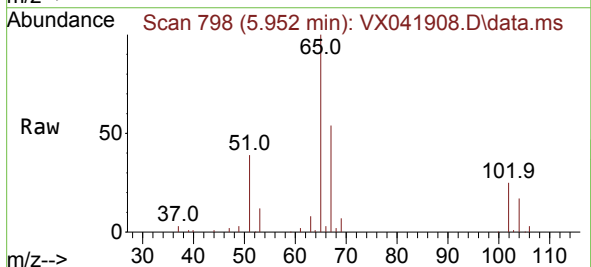


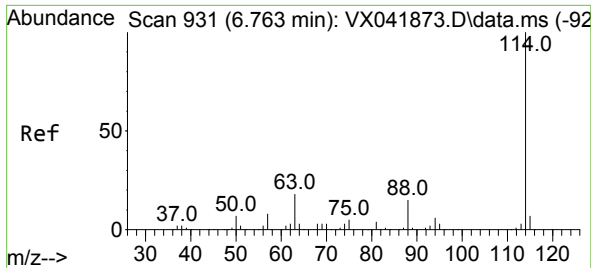
Tgt Ion: 84	Resp: 2029
Ion Ratio	Lower Upper
84 100	
49 104.7	85.3 127.9
51 39.4	28.5 42.7
86 61.9	49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 29.557 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

Tgt Ion: 65	Resp: 59689
Ion Ratio	Lower Upper
65 100	
67 53.2	43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041908.D

Acq: 17 Jun 2024 14:41

Instrument :

MSVOA_X

ClientSampleId :

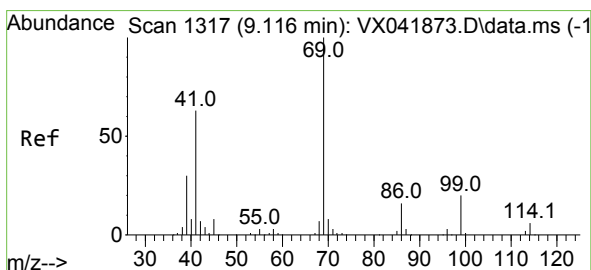
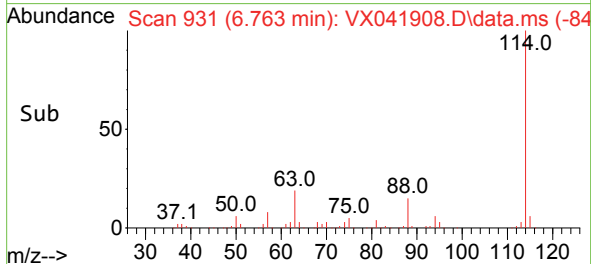
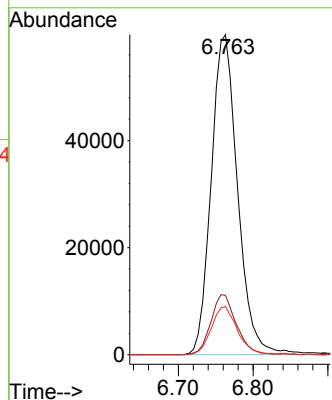
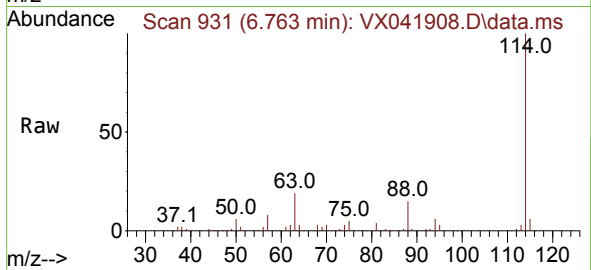
Tgt Ion:114 Resp: 146035

Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 15.0 11.8 17.8



#51

Ethyl methacrylate

Concen: 0.215 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.469 min

Lab File: VX041908.D

Acq: 17 Jun 2024 14:41

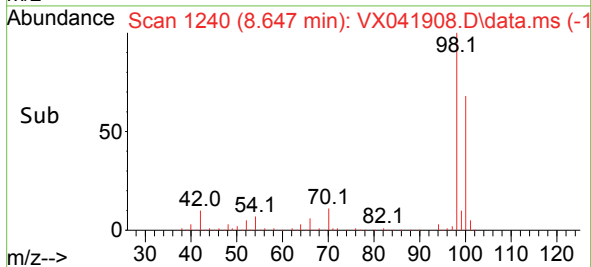
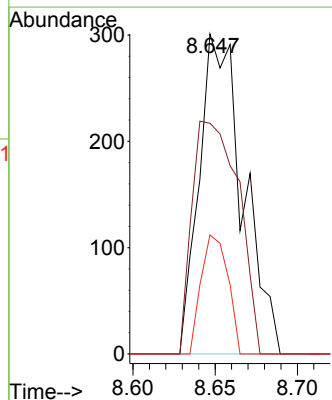
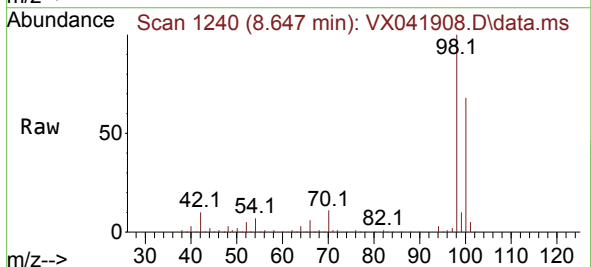
Tgt Ion: 69 Resp: 556

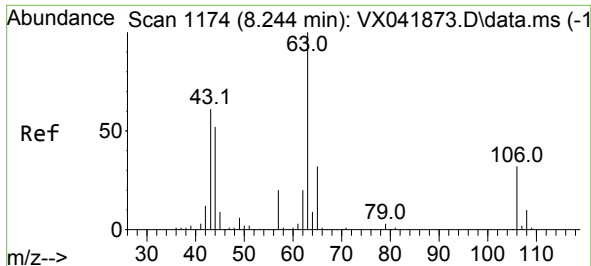
Ion Ratio Lower Upper

69 100

41 72.1 31.6 94.7

39 37.2 15.3 45.8





#55

2-Chloroethyl vinyl ether

Concen: 0.344 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.012 min

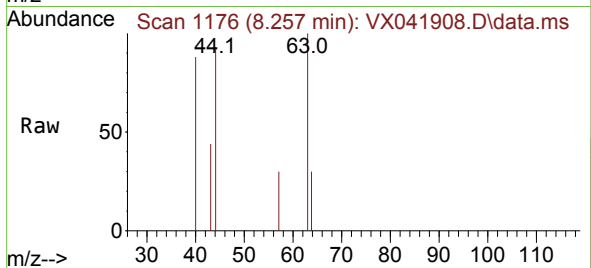
Lab File: VX041908.D

Acq: 17 Jun 2024 14:41

Instrument :

MSVOA_X

ClientSampleId :



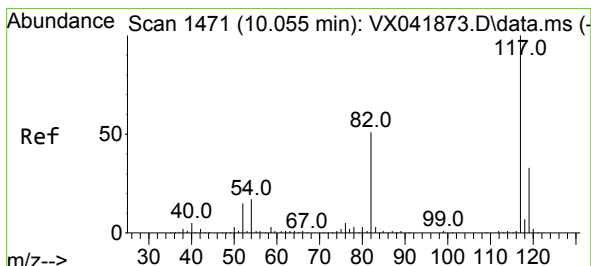
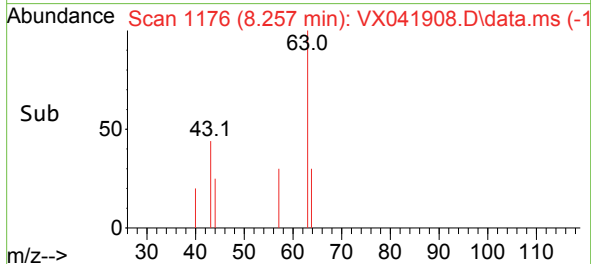
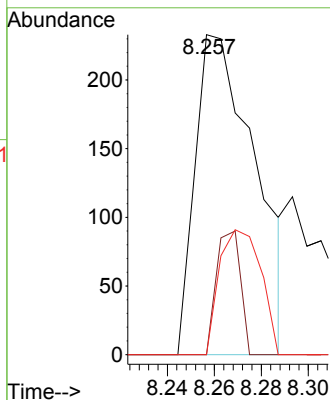
Tgt Ion: 63 Resp: 414

Ion Ratio Lower Upper

63 100

65 15.5 25.7 38.5#

106 27.1 25.3 37.9



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041908.D

Acq: 17 Jun 2024 14:41

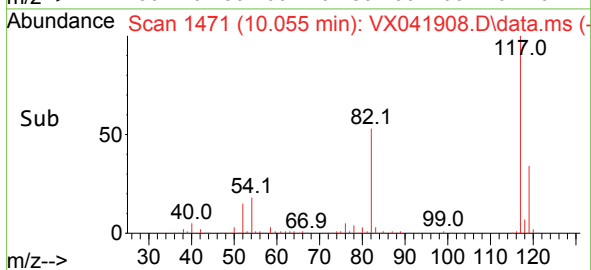
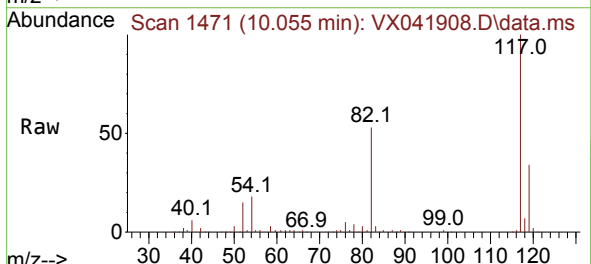
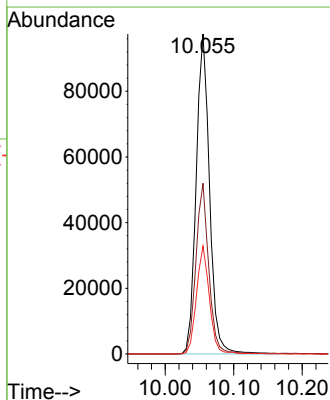
Tgt Ion: 117 Resp: 132491

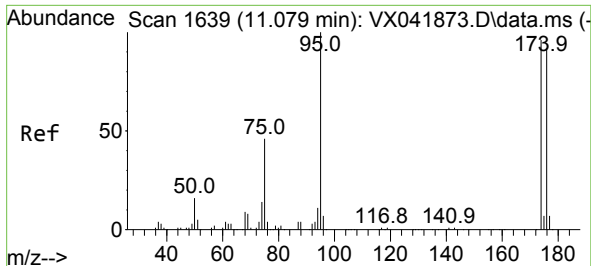
Ion Ratio Lower Upper

117 100

82 51.4 41.1 61.7

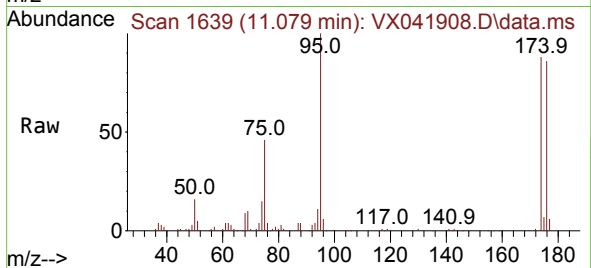
119 32.1 26.1 39.1



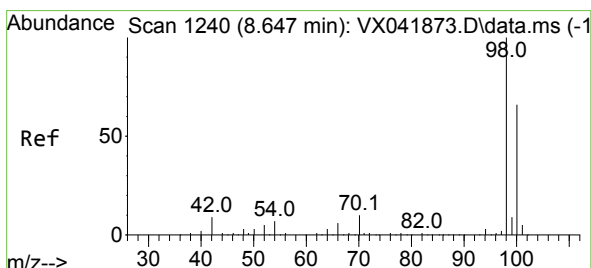
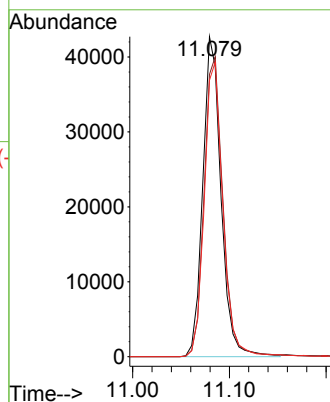
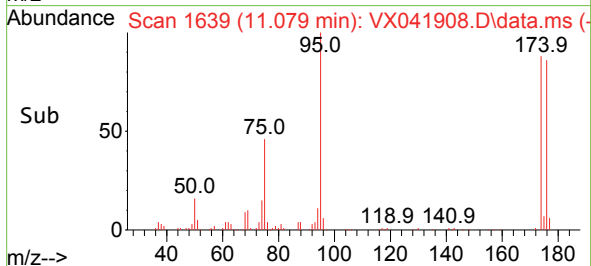


#60
4-Bromofluorobenzene
Concen: 27.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

Instrument :
MSVOA_X
ClientSampleId :

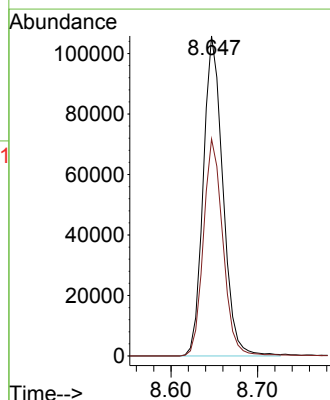
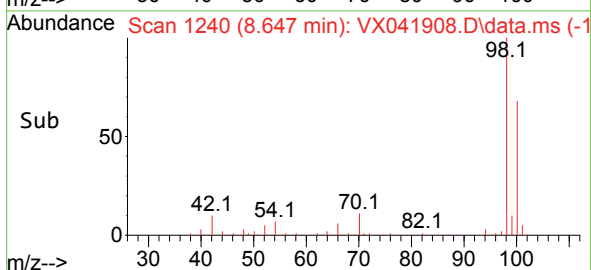
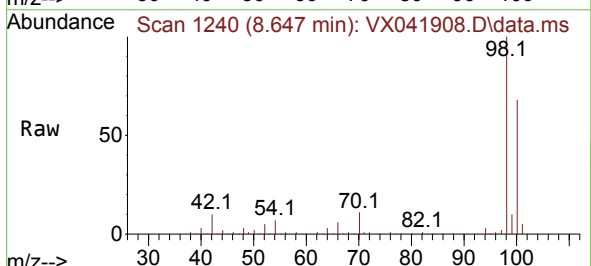


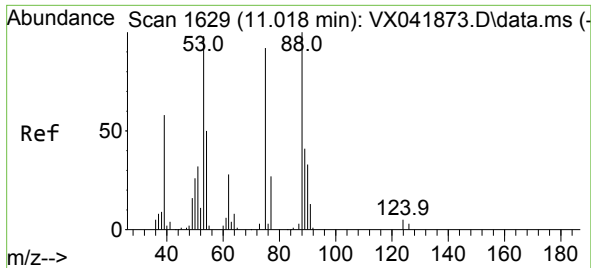
Tgt Ion: 95 Resp: 56022
Ion Ratio Lower Upper
95 100
174 97.4 78.9 118.3
176 94.3 77.1 115.7



#63
Toluene-d8
Concen: 29.396 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041908.D
Acq: 17 Jun 2024 14:41

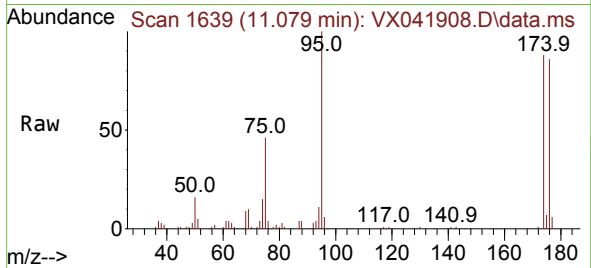
Tgt Ion: 98 Resp: 166631
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.538 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041908.D
 Acq: 17 Jun 2024 14:41

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25704
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

