

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041955.D
 Acq On : 20 Jun 2024 10:56
 Operator : JC/MD
 Sample : VX0620WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:14:41 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)

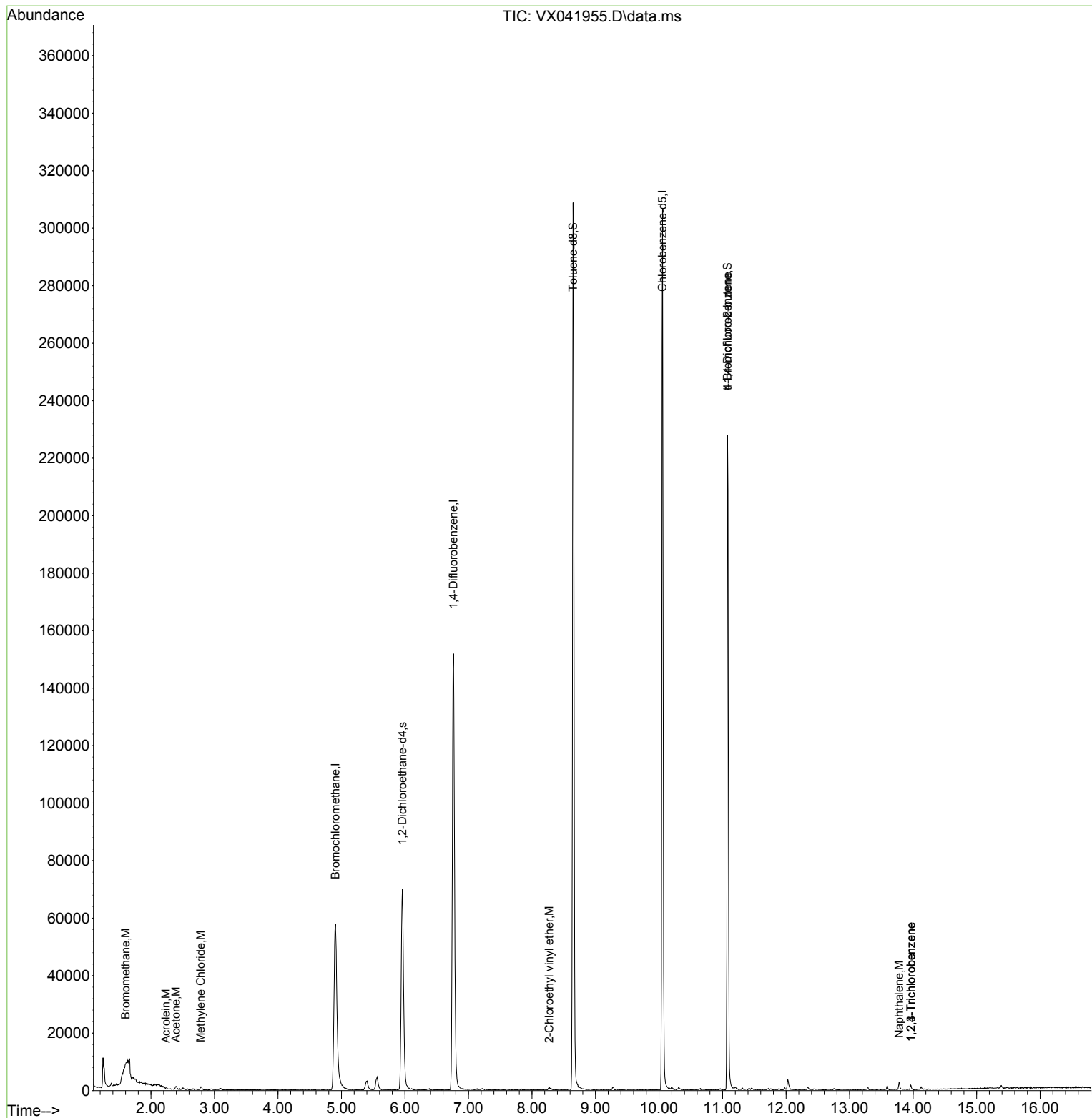
Internal Standards						
1) Bromochloromethane	4.904	128	30939	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	169660	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	150248	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	65505	30.756	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.533%	
60) 4-Bromofluorobenzene	11.079	95	62645	26.936	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 89.800%	
63) Toluene-d8	8.647	98	194637	30.279	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.933%	
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	574	0.490	ug/l	82
13) Acrolein	2.233	56	214	0.440	ug/l	94
15) Acetone	2.392	58	464	1.418	ug/l	86
18) Methylene Chloride	2.782	84	627	0.289	ug/l #	94
55) 2-Chloroethyl vinyl ether	8.269	63	384	0.275	ug/l #	91
77) t-1,4-Dichloro-2-butene	11.079	75	28985	33.349	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.969	180	626	0.210	ug/l	97
91) Naphthalene	13.780	128	2474	0.274	ug/l #	95
92) 1,2,3-Trichlorobenzene	13.969	180	626	0.203	ug/l	99

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

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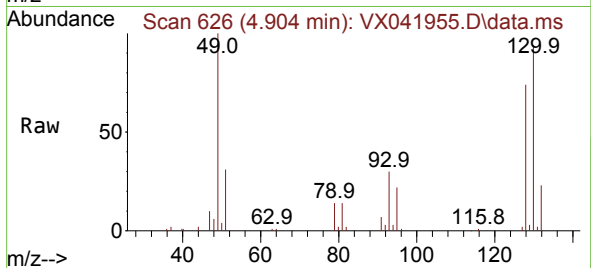
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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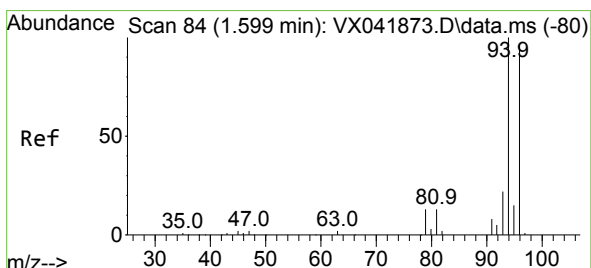
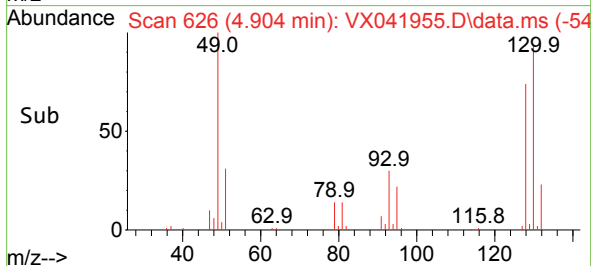
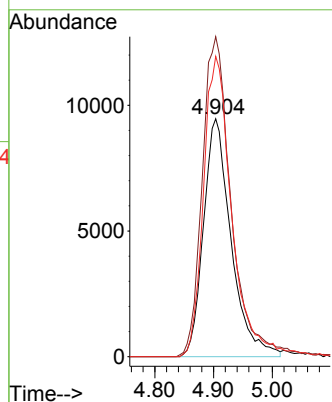


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :

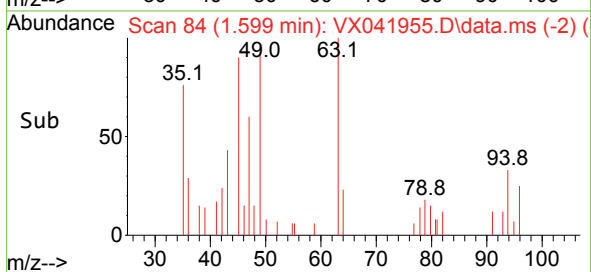
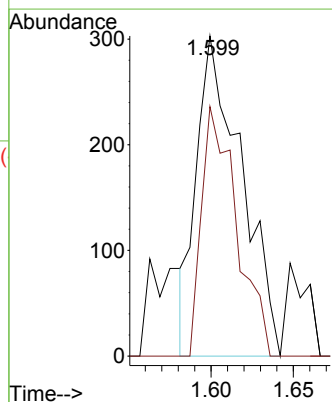
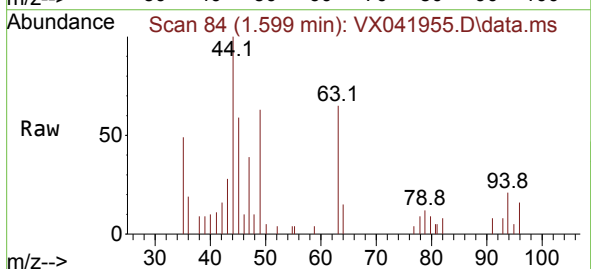


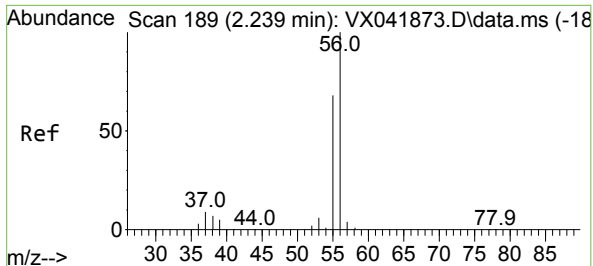
Tgt Ion:128 Resp: 30939
Ion Ratio Lower Upper
128 100
49 140.8 0.0 338.5
130 126.7 0.0 324.5



#5
Bromomethane
Concen: 0.490 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 77.9 76.6 115.0

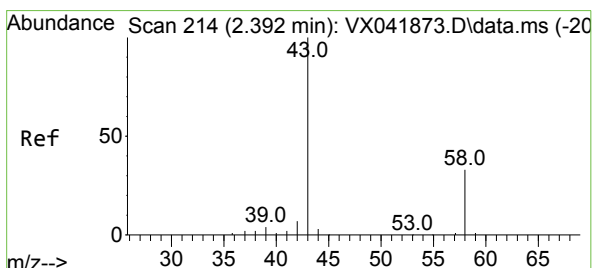
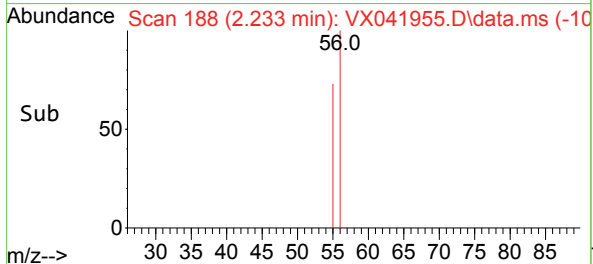
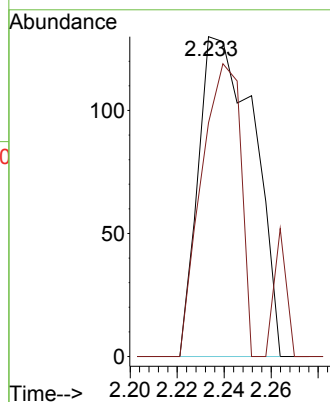
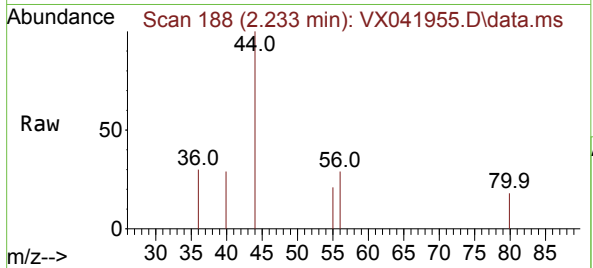




#13
Acrolein
Concen: 0.440 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

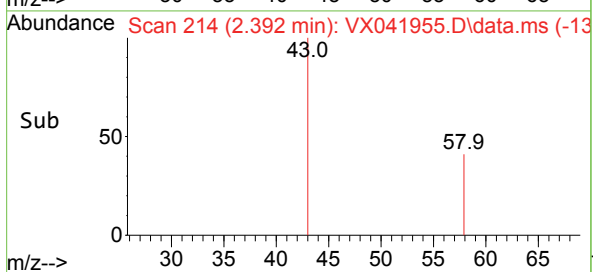
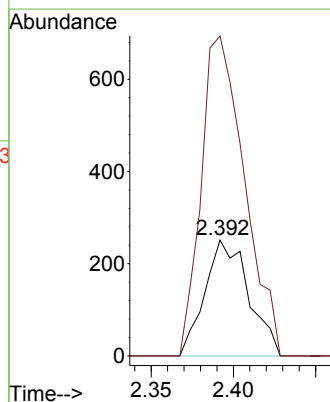
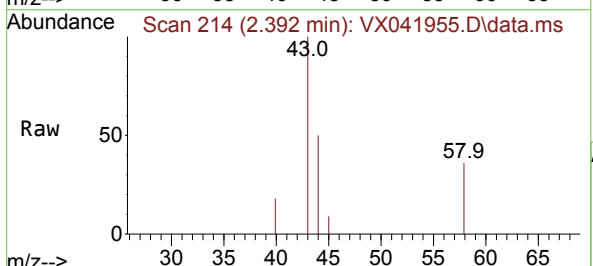
Instrument :
MSVOA_X
ClientSampleId :

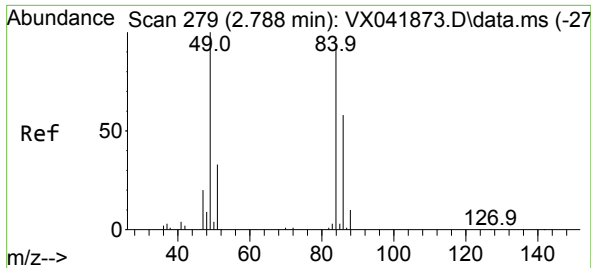
Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 64.5 55.4 83.0



#15
Acetone
Concen: 1.418 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

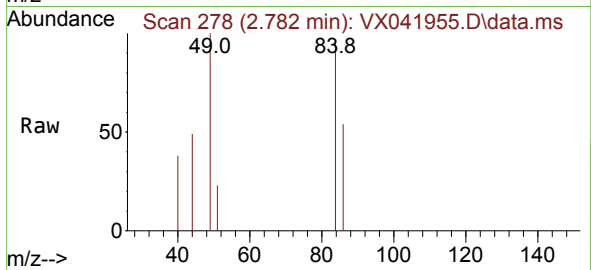
Tgt Ion: 58 Resp: 464
Ion Ratio Lower Upper
58 100
43 276.5 243.4 365.2



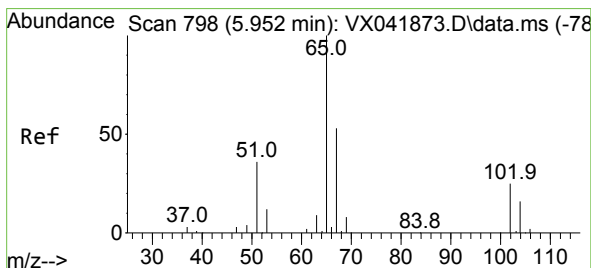
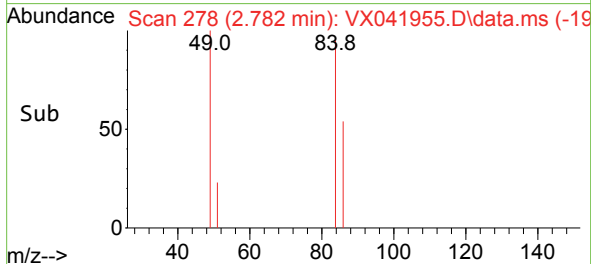
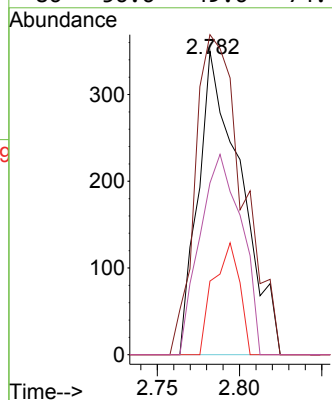


#18
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

Instrument :
MSVOA_X
ClientSampleId :

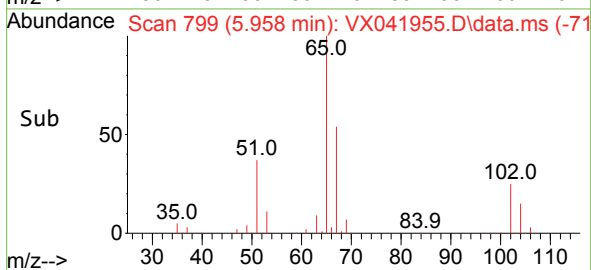
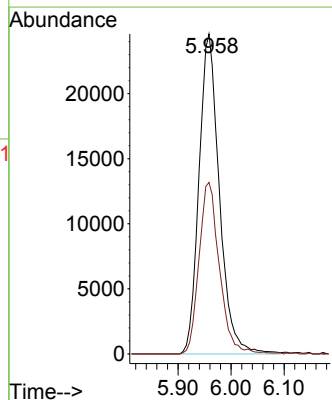
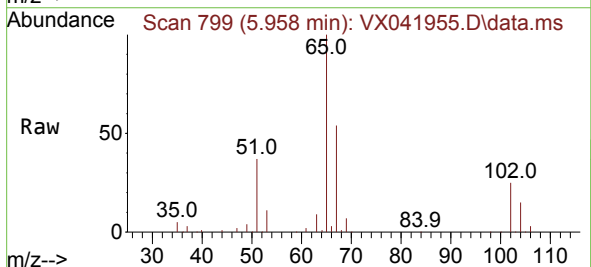


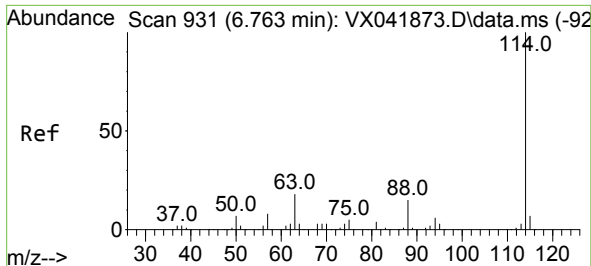
Tgt Ion: 84 Resp: 627
Ion Ratio Lower Upper
84 100
49 105.4 85.3 127.9
51 24.3 28.5 42.7#
86 56.6 49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 30.756 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

Tgt Ion: 65 Resp: 65505
Ion Ratio Lower Upper
65 100
67 52.9 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: VX041955.D

Acq: 20 Jun 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :

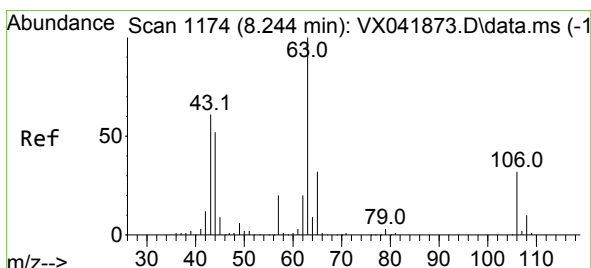
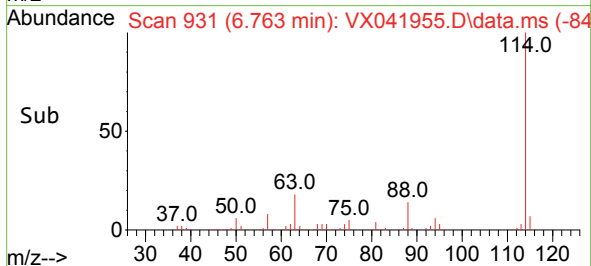
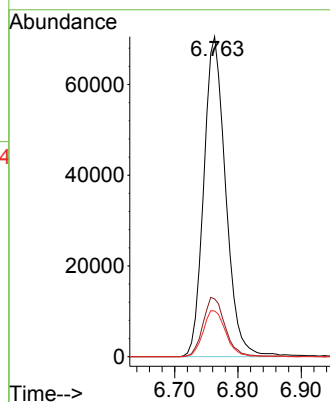
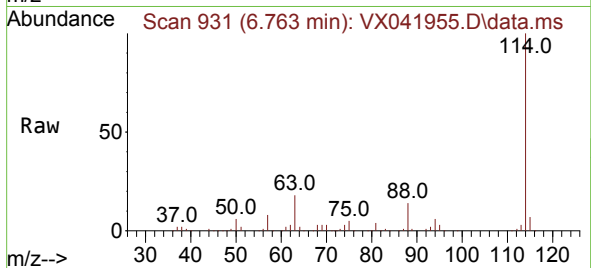
Tgt Ion:114 Resp: 169660

Ion Ratio Lower Upper

114 100

63 18.7 14.6 21.8

88 14.8 11.8 17.8



#55

2-Chloroethyl vinyl ether

Concen: 0.275 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.024 min

Lab File: VX041955.D

Acq: 20 Jun 2024 10:56

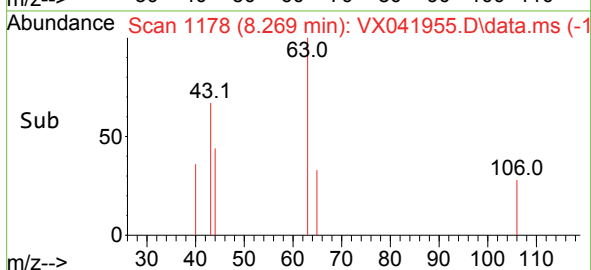
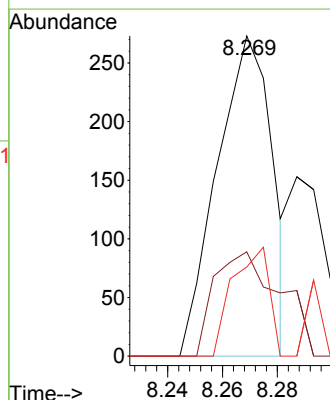
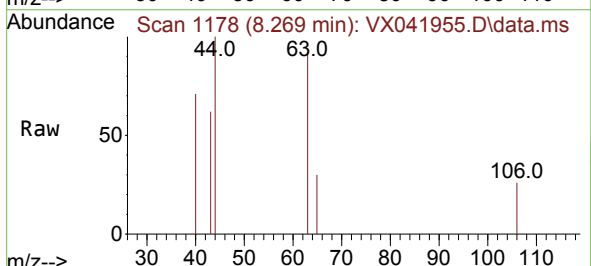
Tgt Ion: 63 Resp: 384

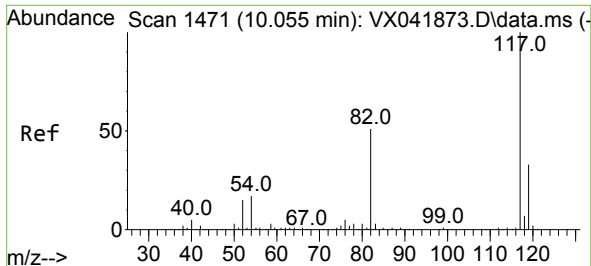
Ion Ratio Lower Upper

63 100

65 33.3 25.7 38.5

106 22.4 25.3 37.9#

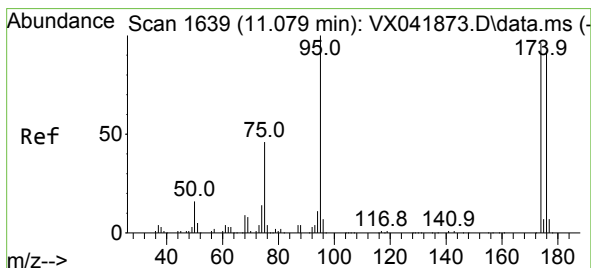
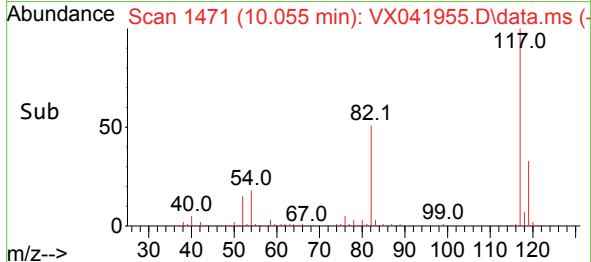
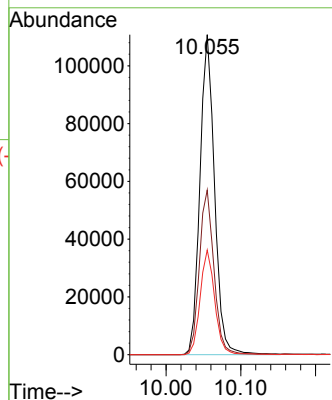
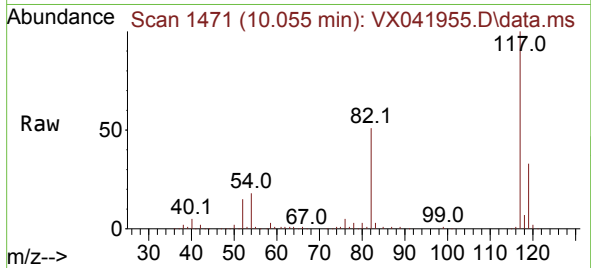




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

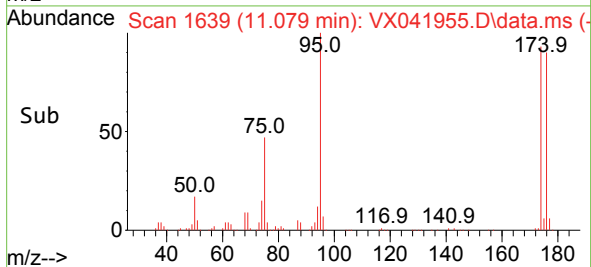
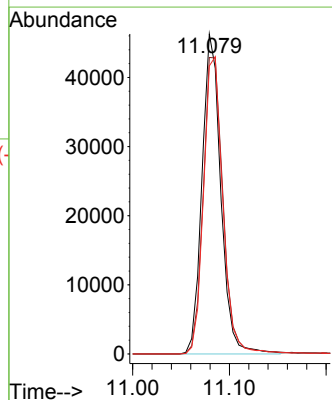
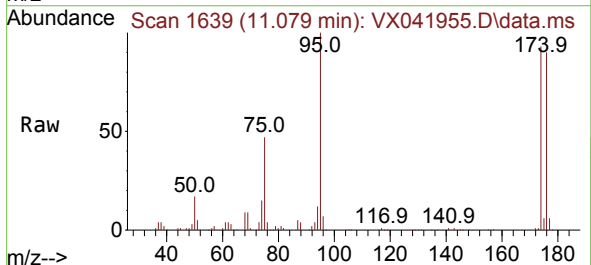
Instrument :
MSVOA_X
ClientSampleId :

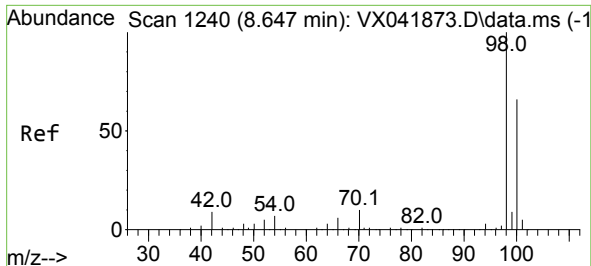
Tgt Ion:117 Resp: 150248
Ion Ratio Lower Upper
117 100
82 51.5 41.1 61.7
119 32.8 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 26.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

Tgt Ion: 95 Resp: 62645
Ion Ratio Lower Upper
95 100
174 97.9 78.9 118.3
176 95.2 77.1 115.7

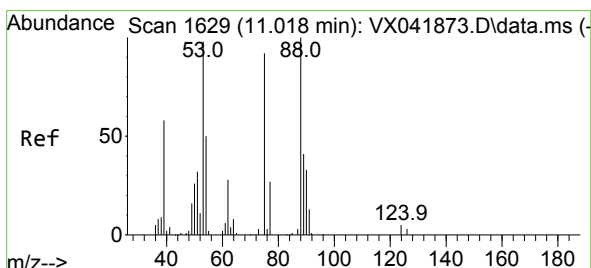
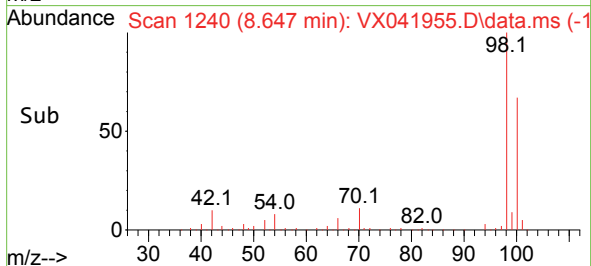
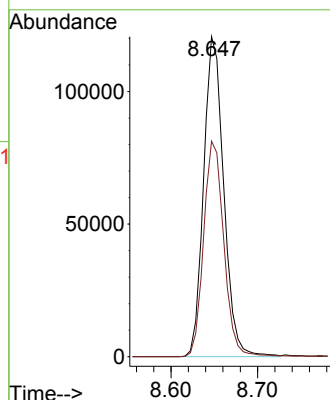
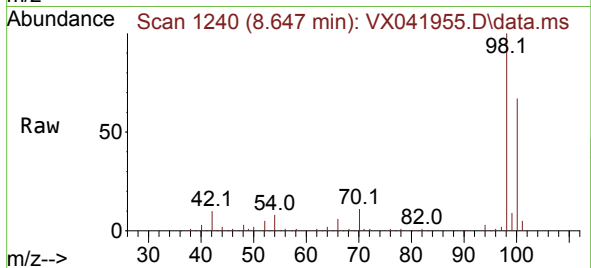




#63
Toluene-d8
Concen: 30.279 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

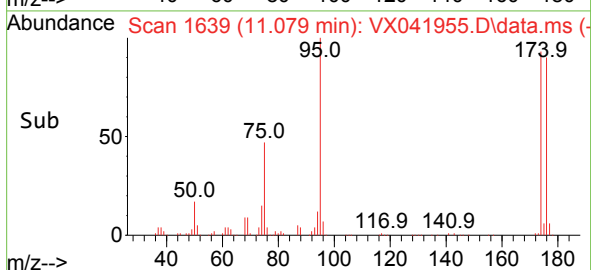
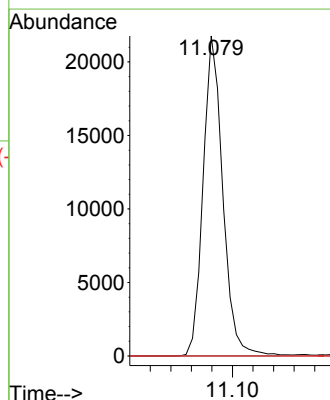
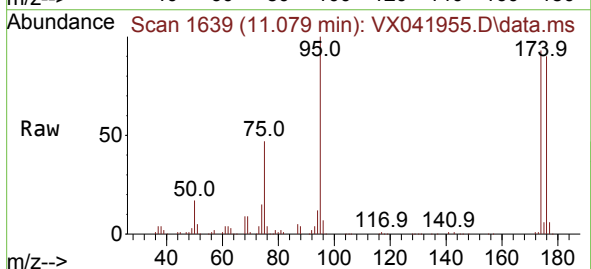
Instrument :
MSVOA_X
ClientSampleId :

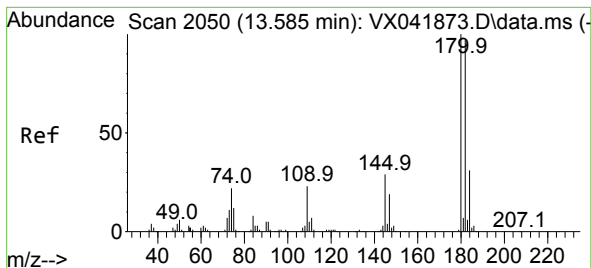
Tgt Ion: 98 Resp: 194637
Ion Ratio Lower Upper
98 100
100 67.5 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.349 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041955.D
Acq: 20 Jun 2024 10:56

Tgt Ion: 75 Resp: 28985
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#





#89

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.384 min

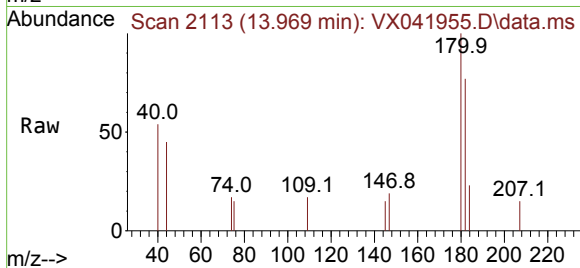
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Acq: 20 Jun 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :



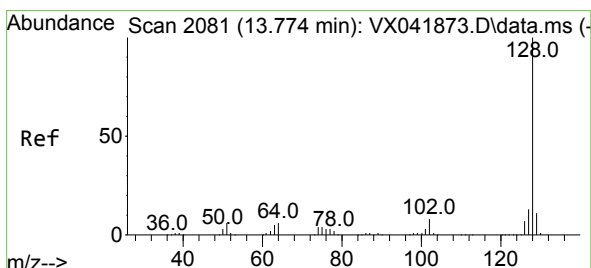
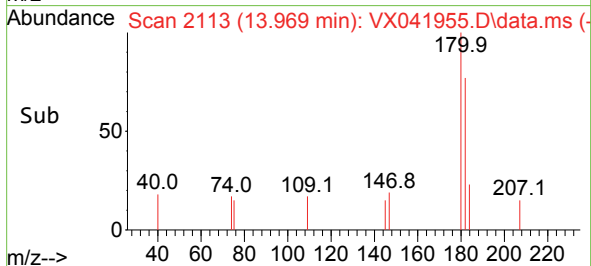
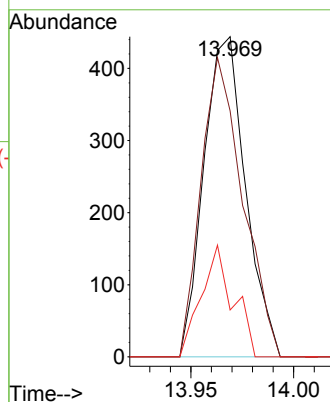
Tgt Ion:180 Resp: 626

Ion Ratio Lower Upper

180 100

182 93.6 76.9 115.3

145 26.7 22.8 34.2



#91

Naphthalene

Concen: 0.274 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041955.D

Acq: 20 Jun 2024 10:56

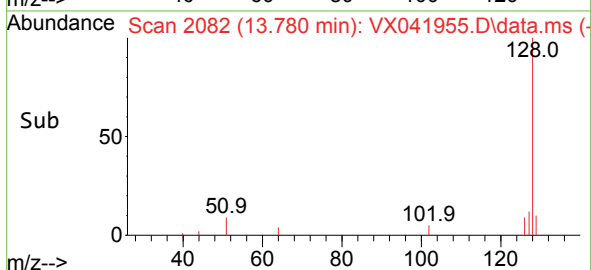
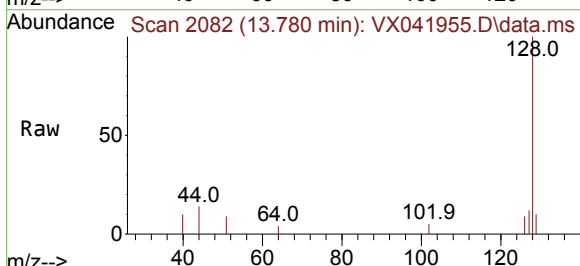
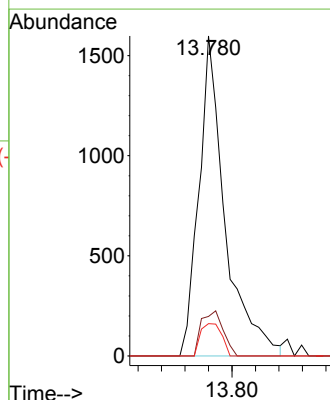
Tgt Ion:128 Resp: 2474

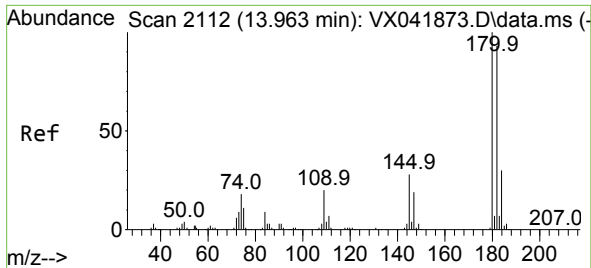
Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

129 8.2 8.7 13.1#





#92

1,2,3-Trichlorobenzene

Concen: 0.203 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.006 min

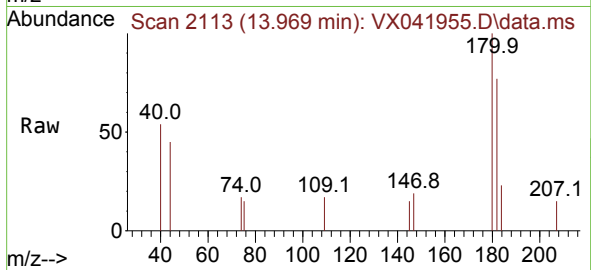
Lab File: VX041955.D

Acq: 20 Jun 2024 10:56

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 626

Ion Ratio Lower Upper

180 100

182 93.6 0.0 187.8

145 26.7 0.0 58.4

