

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041964.D
 Acq On : 20 Jun 2024 14:51
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:17:52 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)

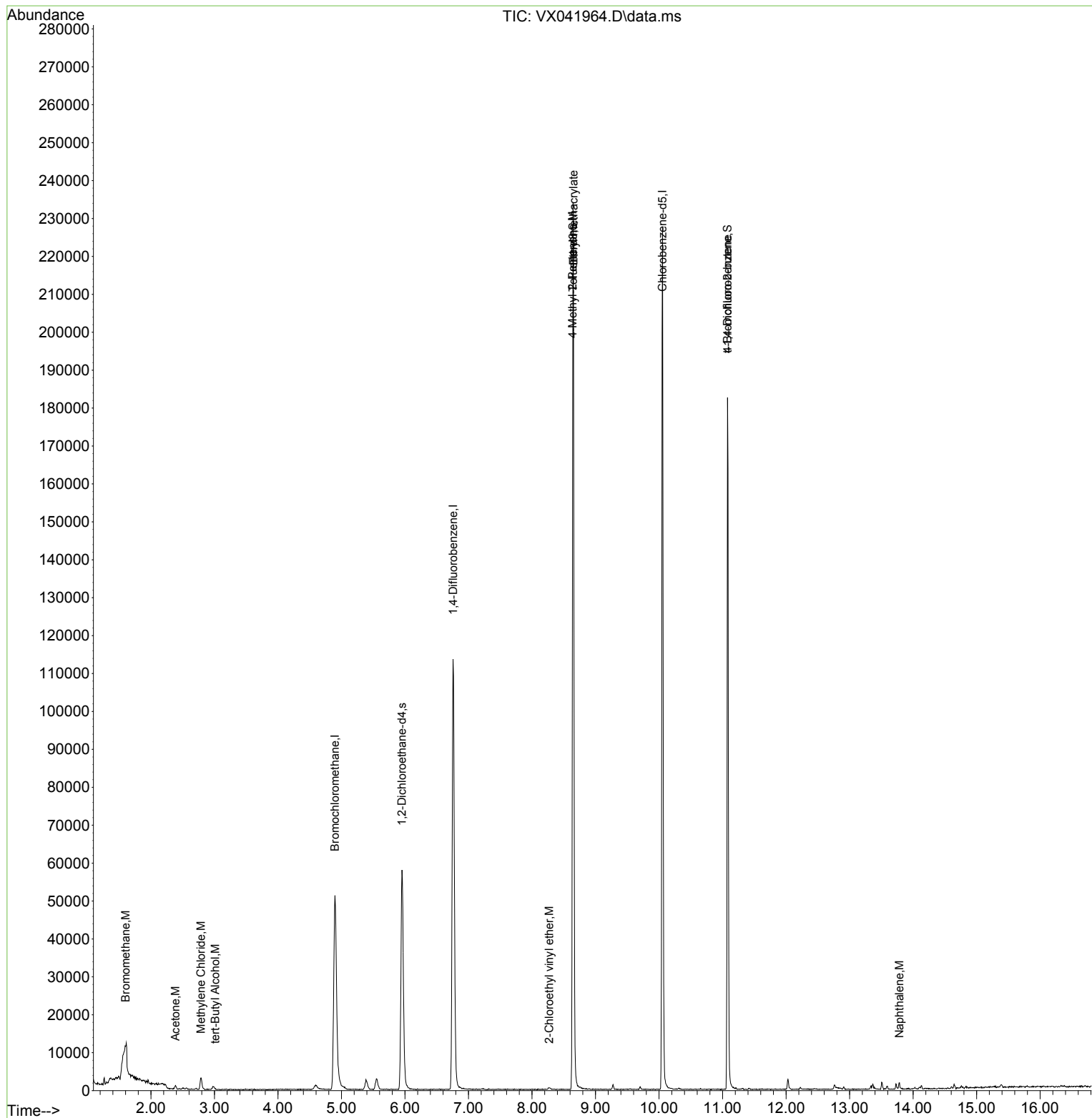
Internal Standards						
1) Bromochloromethane	4.898	128	26585	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	126772	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	115617	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	54971	30.037	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.133%
60) 4-Bromofluorobenzene	11.079	95	48750	27.240	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.800%
63) Toluene-d8	8.647	98	144741	29.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.533%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	261	0.260	ug/l #	59
15) Acetone	2.386	58	379	1.348	ug/l #	66
18) Methylene Chloride	2.788	84	1789	0.960	ug/l	93
23) tert-Butyl Alcohol	3.014	59	98	0.268	ug/l #	100
51) Ethyl methacrylate	8.653	69	470	0.209	ug/l	91
55) 2-Chloroethyl vinyl ether	8.269	63	262	0.251	ug/l #	51
58) 4-Methyl-2-Pentanone	8.641	43	504	0.243	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	21952	32.823	ug/l #	7
91) Naphthalene	13.786	128	1729	0.249	ug/l #	92

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

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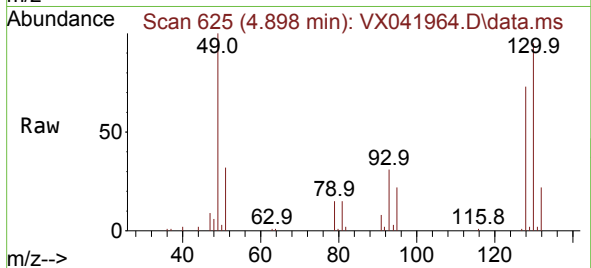
Quant Time: Jun 21 03:17:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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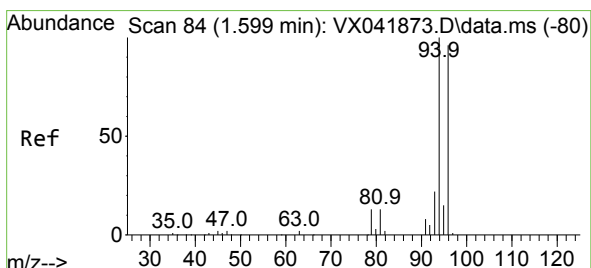
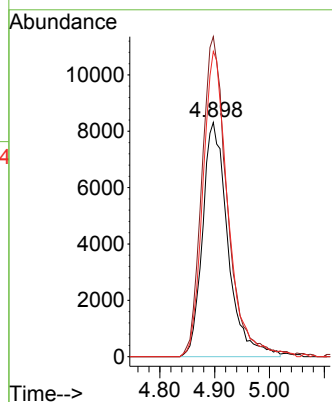
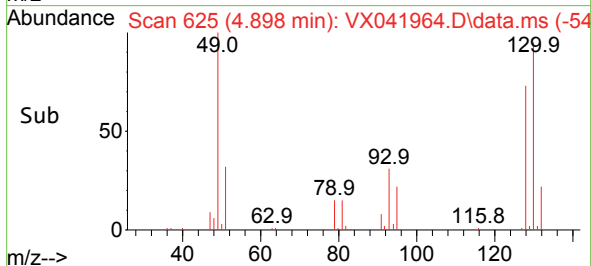


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :

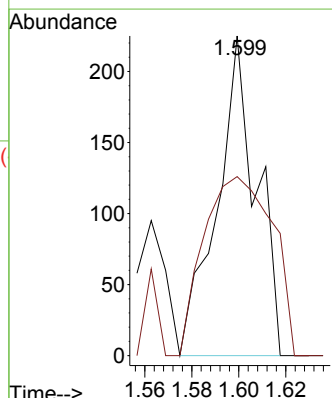
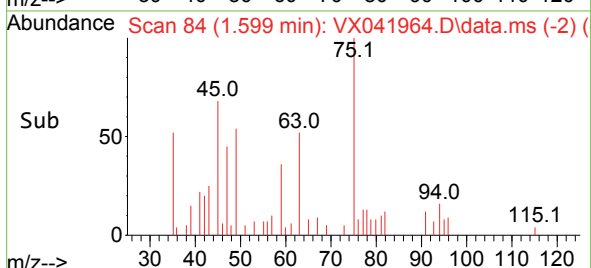
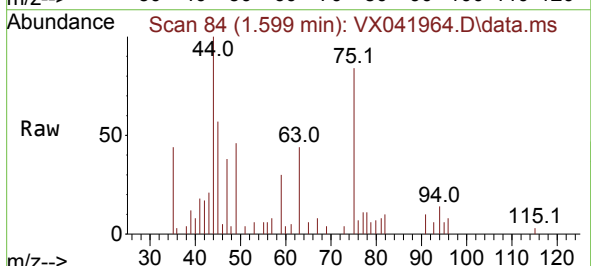


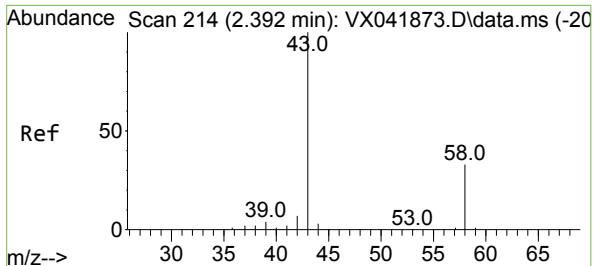
Tgt Ion:128 Resp: 26585
Ion Ratio Lower Upper
128 100
49 136.4 0.0 338.5
130 129.9 0.0 324.5



#5
Bromomethane
Concen: 0.260 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Tgt Ion: 94 Resp: 261
Ion Ratio Lower Upper
94 100
96 56.0 76.6 115.0#





#15

Acetone

Concen: 1.348 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041964.D

Acq: 20 Jun 2024 14:51

Instrument :

MSVOA_X

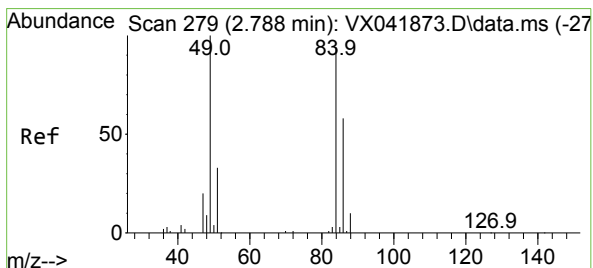
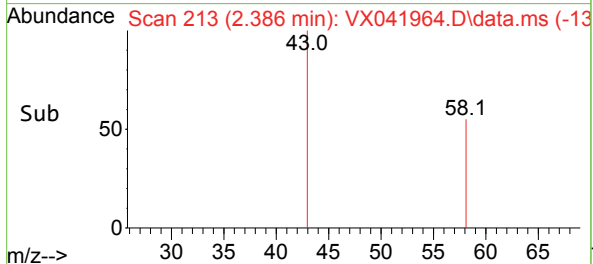
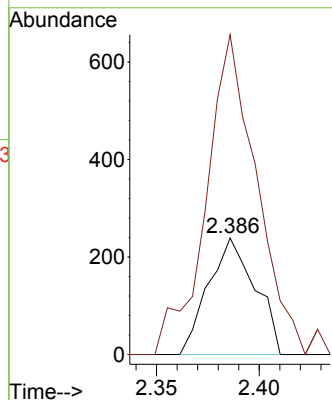
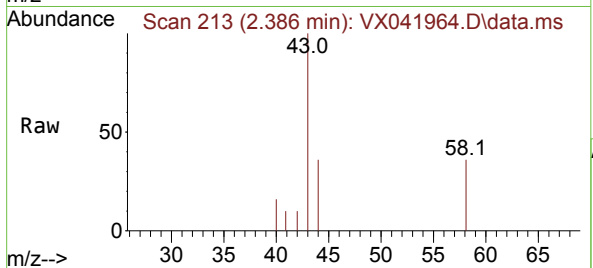
ClientSampleId :

Tgt Ion: 58 Resp: 379

Ion Ratio Lower Upper

58 100

43 237.2 243.4 365.2#



#18

Methylene Chloride

Concen: 0.960 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041964.D

Acq: 20 Jun 2024 14:51

Tgt Ion: 84 Resp: 1789

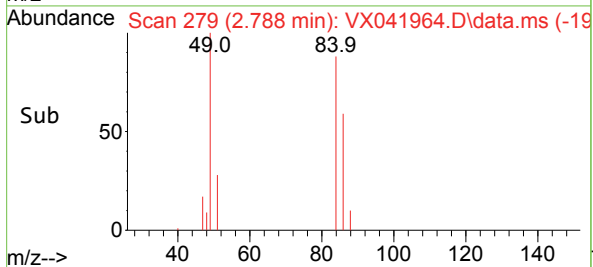
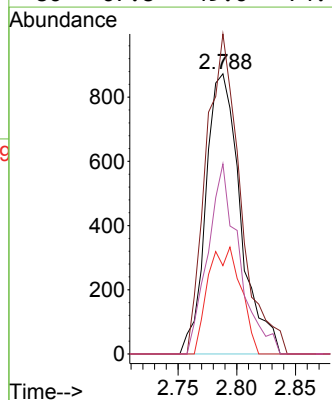
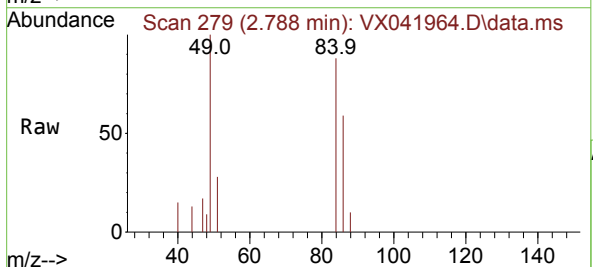
Ion Ratio Lower Upper

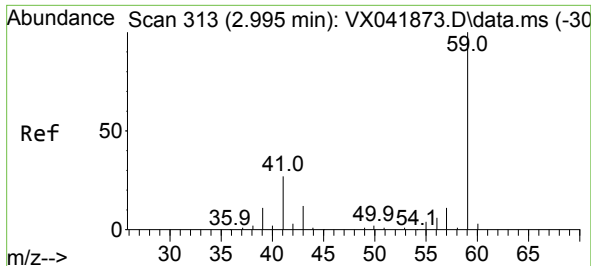
84 100

49 114.2 85.3 127.9

51 31.5 28.5 42.7

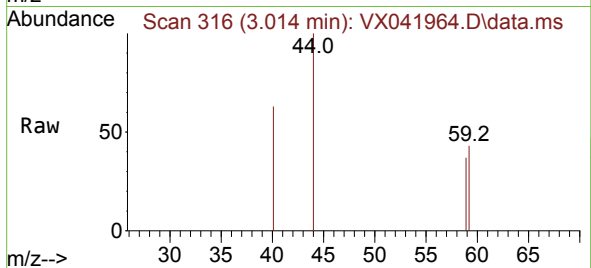
86 67.8 49.6 74.4



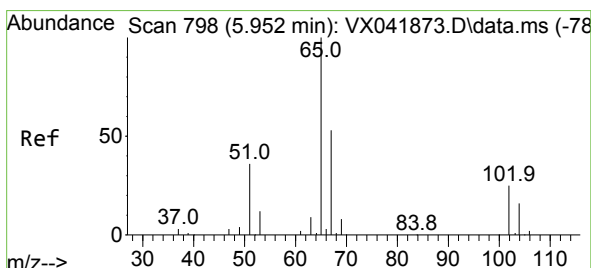
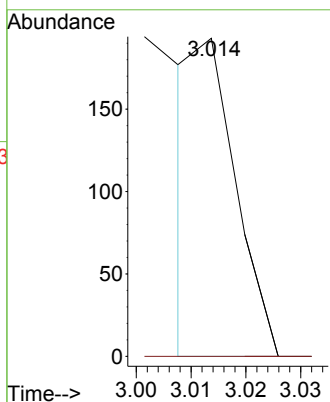
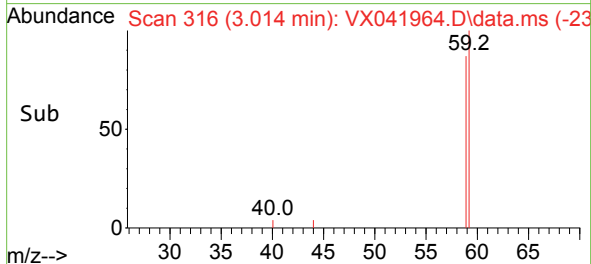


#23
tert-Butyl Alcohol
Concen: 0.268 ug/l
RT: 3.014 min Scan# 313
Delta R.T. 0.018 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Instrument :
MSVOA_X
ClientSampleId :

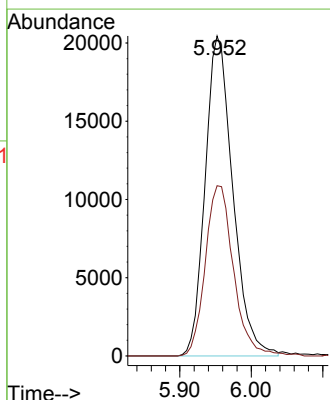
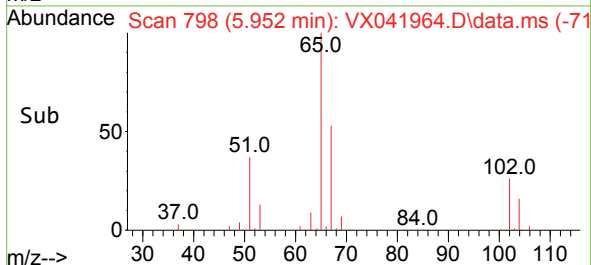
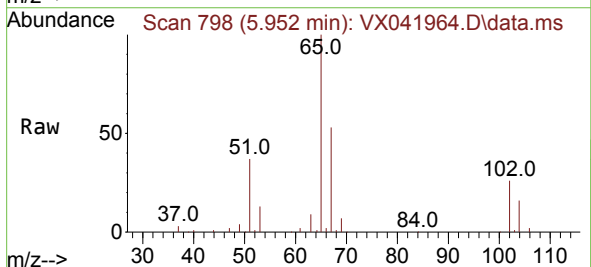


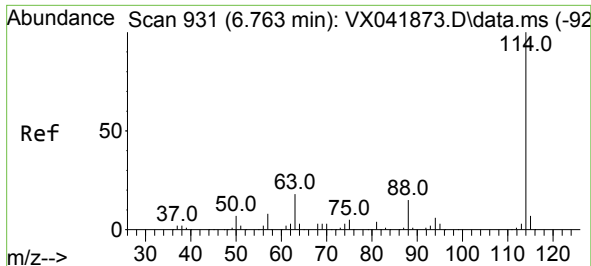
Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.037 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Tgt Ion: 65 Resp: 54971
Ion Ratio Lower Upper
65 100
67 54.2 43.4 65.0

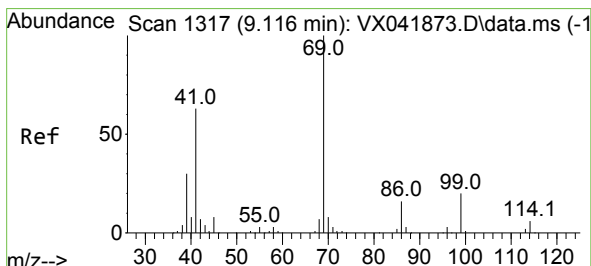
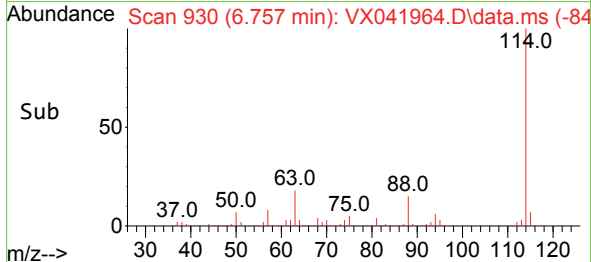
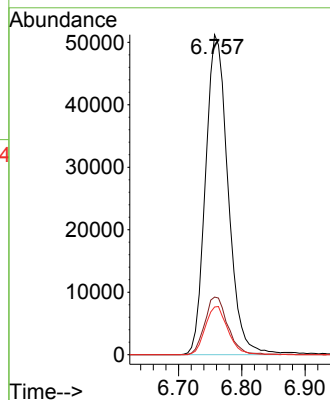
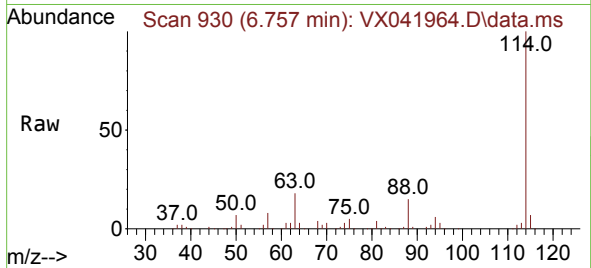




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

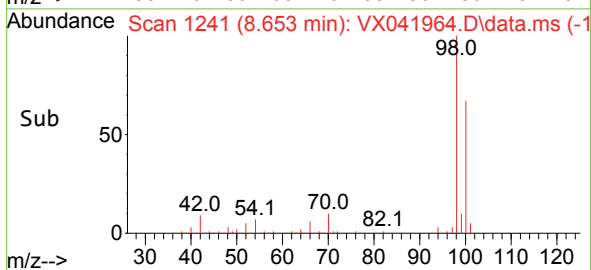
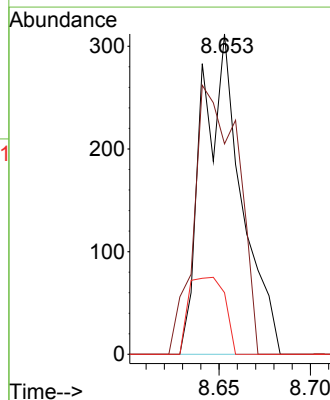
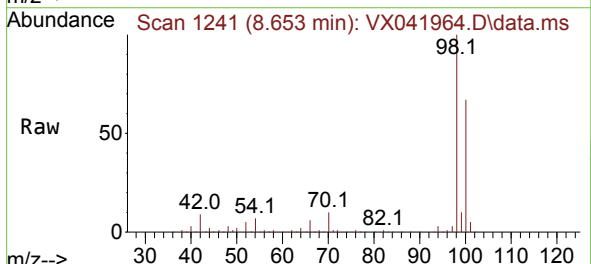
Instrument :
MSVOA_X
ClientSampleId :

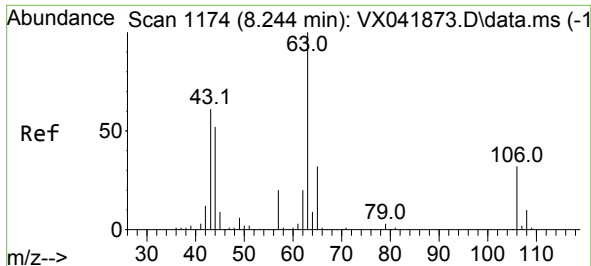
Tgt Ion:114 Resp: 126772
Ion Ratio Lower Upper
114 100
63 18.3 14.6 21.8
88 15.1 11.8 17.8



#51
Ethyl methacrylate
Concen: 0.209 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Tgt Ion: 69 Resp: 470
Ion Ratio Lower Upper
69 100
41 65.7 31.6 94.7
39 19.2 15.3 45.8

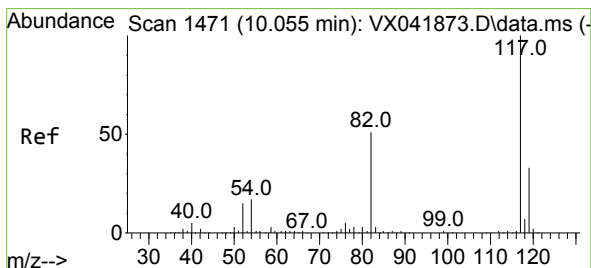
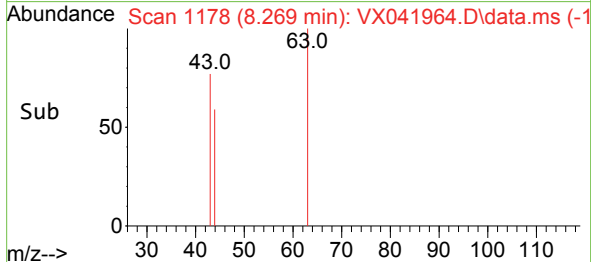
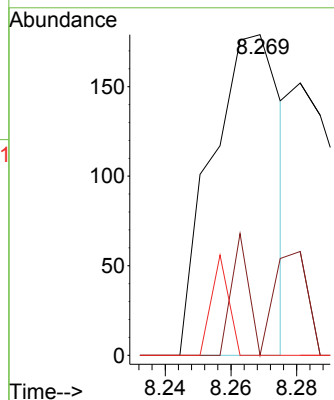
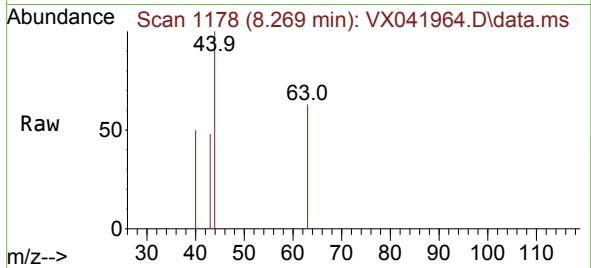




#55
2-Chloroethyl vinyl ether
Concen: 0.251 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.024 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

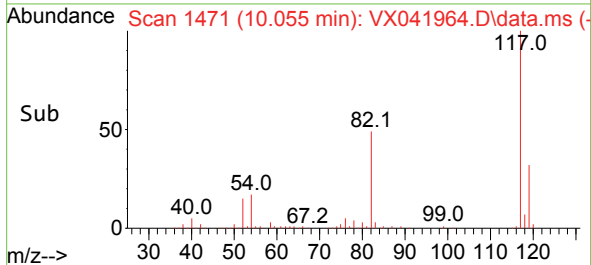
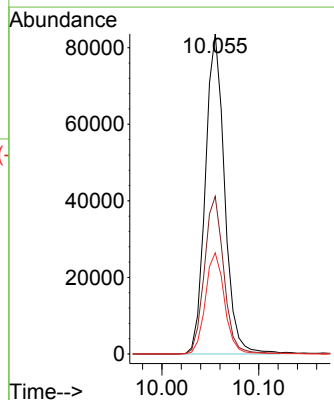
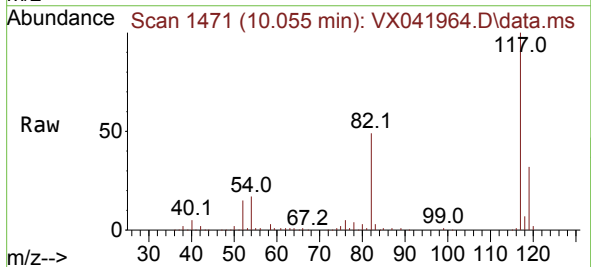
Instrument :
MSVOA_X
ClientSampleId :

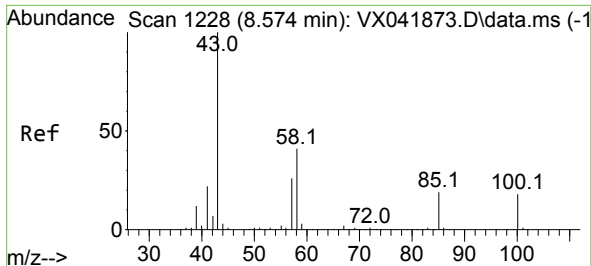
Tgt Ion: 63 Resp: 262
Ion Ratio Lower Upper
63 100
65 9.5 25.7 38.5#
106 0.0 25.3 37.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Tgt Ion: 117 Resp: 115617
Ion Ratio Lower Upper
117 100
82 50.0 41.1 61.7
119 31.6 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 0.243 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

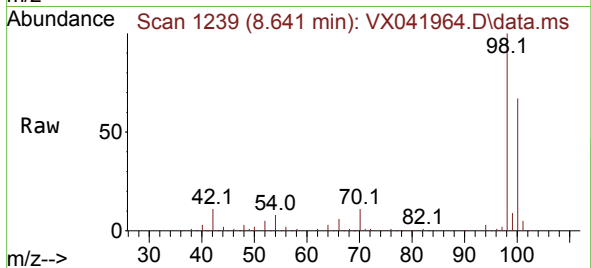
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Acq: 20 Jun 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :



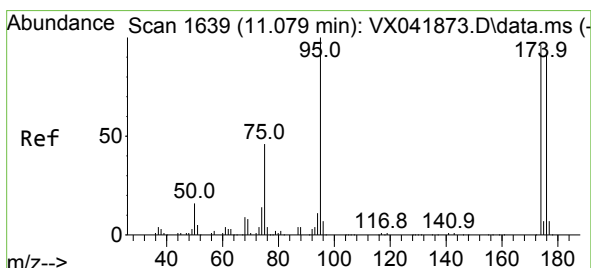
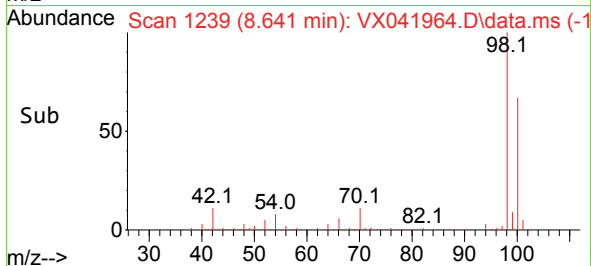
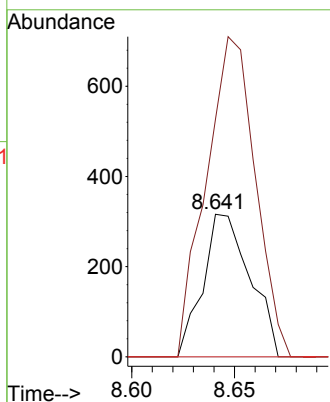
Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

58 234.7 33.2 49.8#

85 0.0 15.5 23.3#



#60

4-Bromofluorobenzene

Concen: 27.240 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041964.D

Acq: 20 Jun 2024 14:51

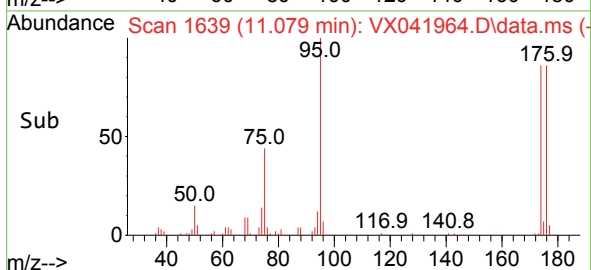
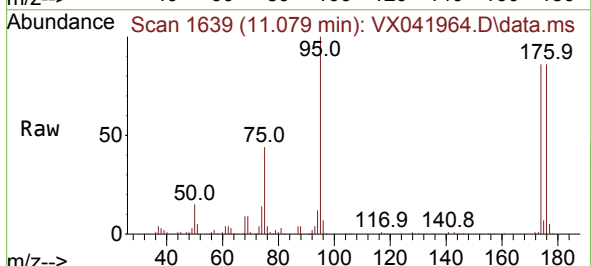
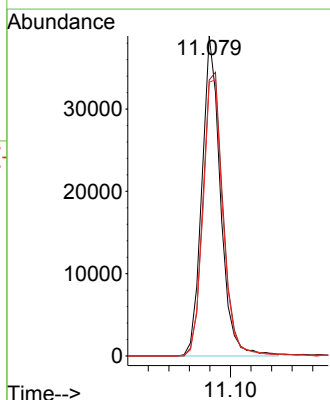
Tgt Ion: 95 Resp: 48750

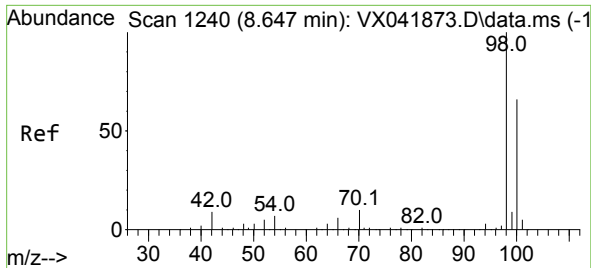
Ion Ratio Lower Upper

95 100

174 96.8 78.9 118.3

176 93.2 77.1 115.7

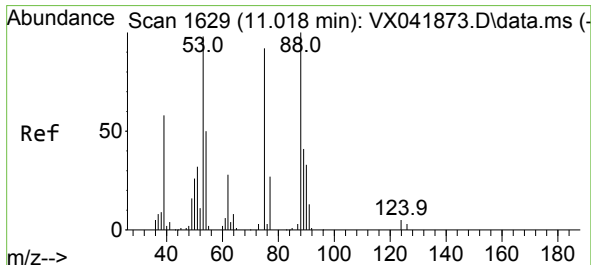
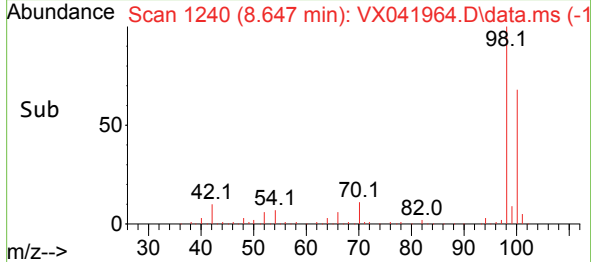
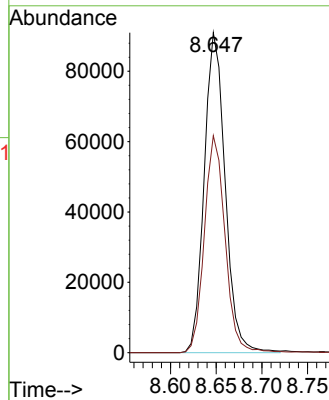
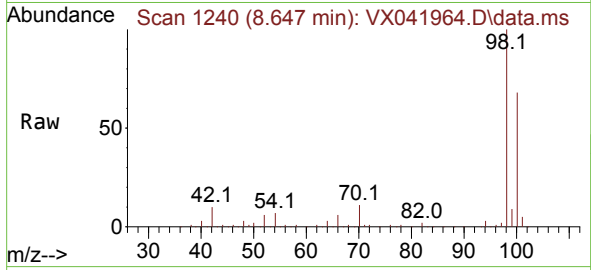




#63
Toluene-d8
Concen: 29.261 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

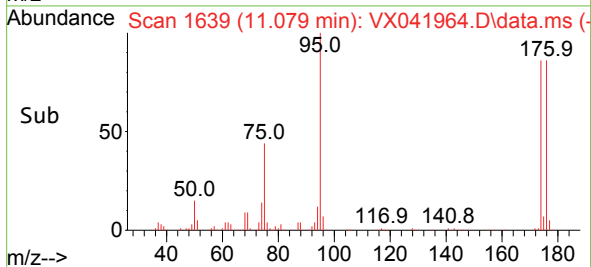
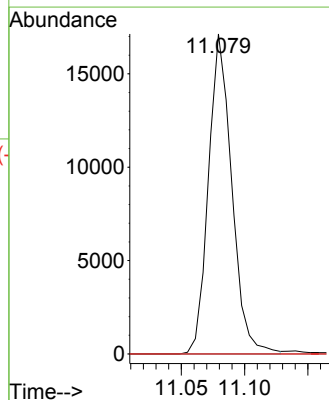
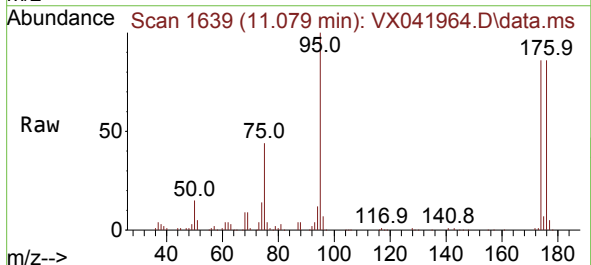
Instrument :
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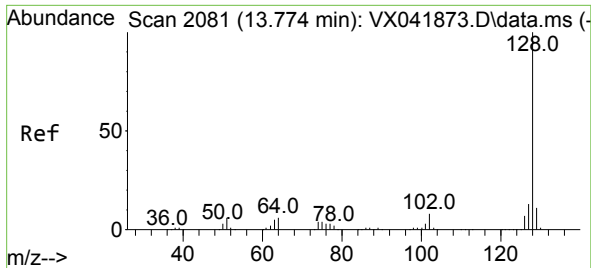
Tgt Ion: 98 Resp: 144741
Ion Ratio Lower Upper
98 100
100 67.1 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.823 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041964.D
Acq: 20 Jun 2024 14:51

Tgt Ion: 75 Resp: 21952
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#





#91

Naphthalene

Concen: 0.249 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

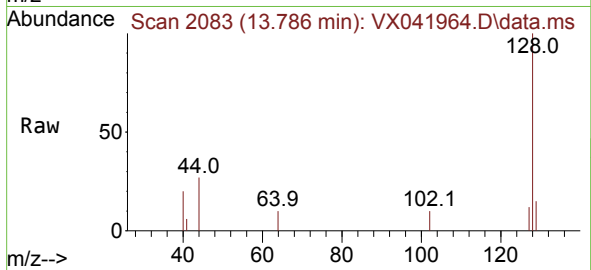
Lab File: VX041964.D

Acq: 20 Jun 2024 14:51

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1729

Ion Ratio Lower Upper

128 100

127 10.1 10.4 15.6#

129 7.3 8.7 13.1#

