

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040773.D
 Acq On : 22 Mar 2024 12:27
 Operator : JC/MD
 Sample : VX0322WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBL01

Quant Time: Mar 23 05:03:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

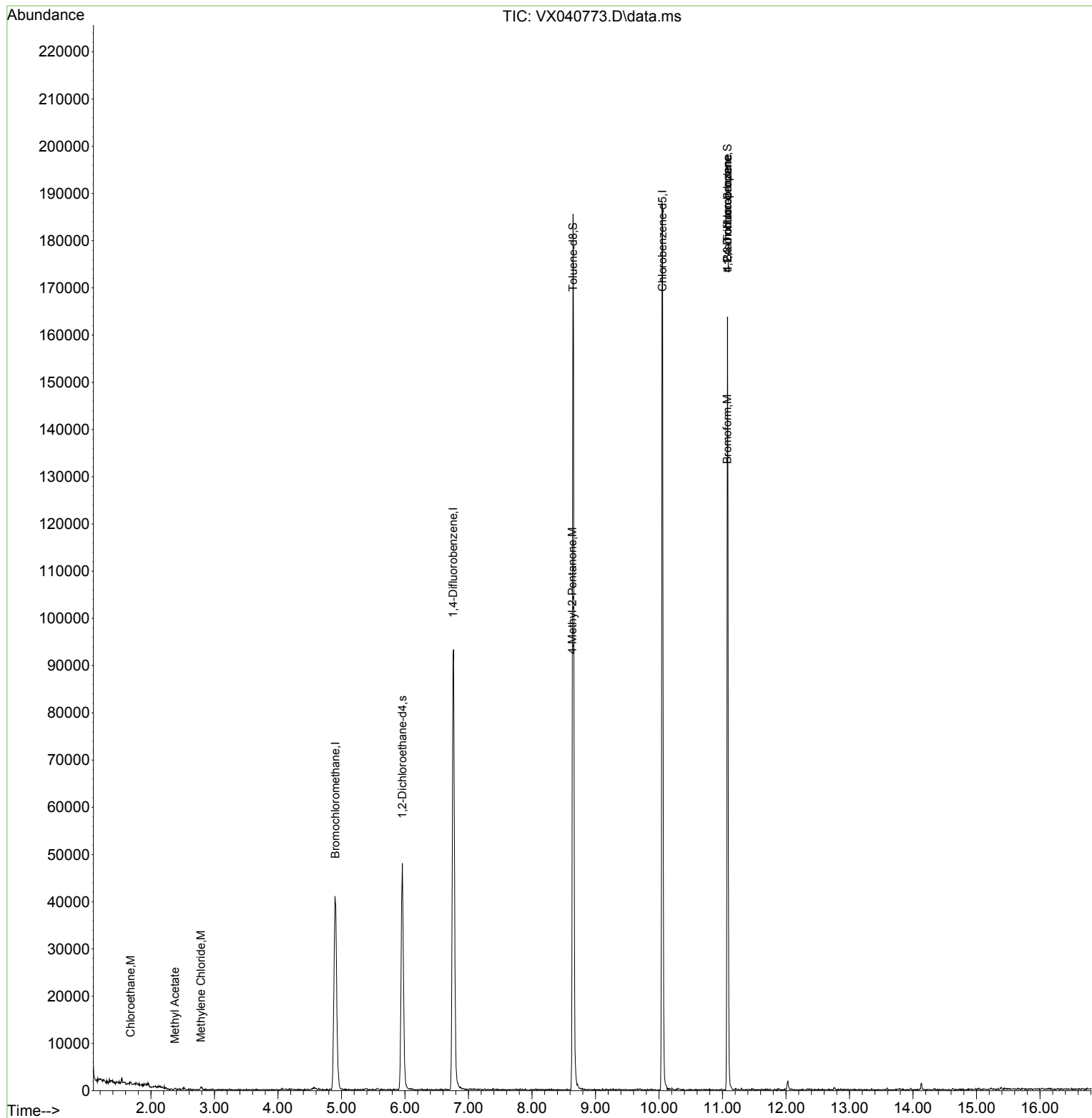
Internal Standards						
1) Bromochloromethane	4.904	128	15954	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	90962	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80582	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	46607	29.250	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.500%
60) 4-Bromofluorobenzene	11.079	95	40454	29.267	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.567%
63) Toluene-d8	8.647	98	104388	29.313	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.700%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	326	0.463	ug/l #	43
12) Methyl Acetate	2.380	43	319	0.204	ug/l #	54
18) Methylene Chloride	2.788	84	233	0.215	ug/l #	27
56) Bromoform	11.073	173	320	0.350	ug/l #	1
58) 4-Methyl-2-Pentanone	8.635	43	373	0.208	ug/l #	45
72) 1,2,3-Trichloropropane	11.079	75	22931	14.790	ug/l	37
77) t-1,4-Dichloro-2-butene	11.079	75	22931	47.590	ug/l #	12

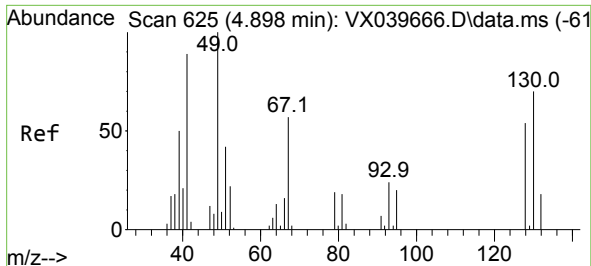
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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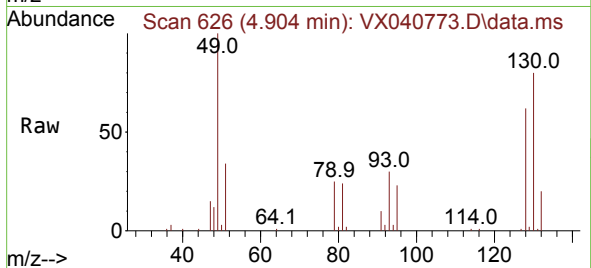
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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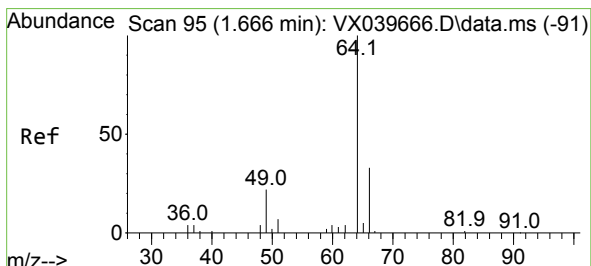
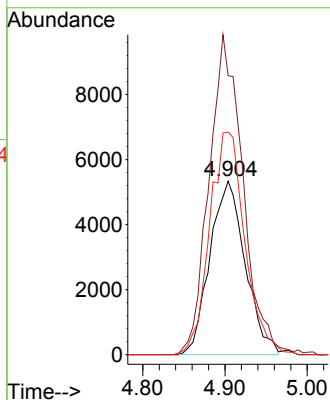
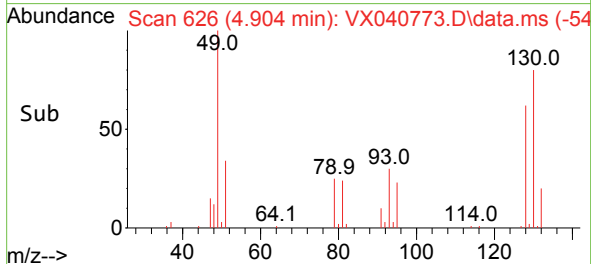


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

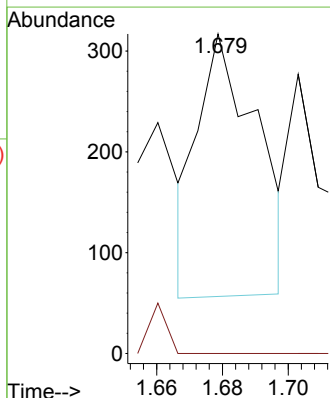
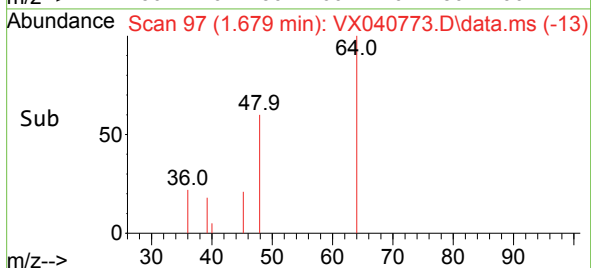
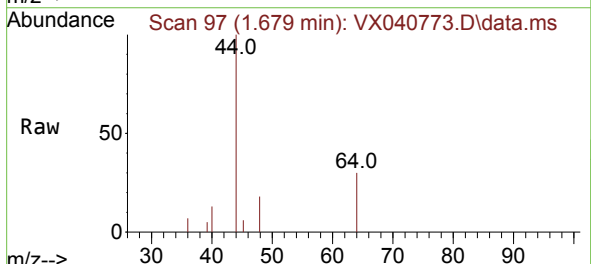


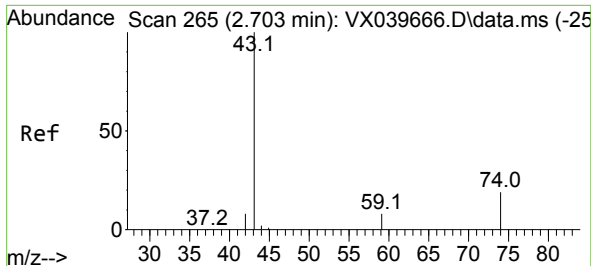
Tgt Ion:128 Resp: 15954
Ion Ratio Lower Upper
128 100
49 175.9 0.0 444.0
130 127.9 0.0 297.8



#6
Chloroethane
Concen: 0.463 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.013 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

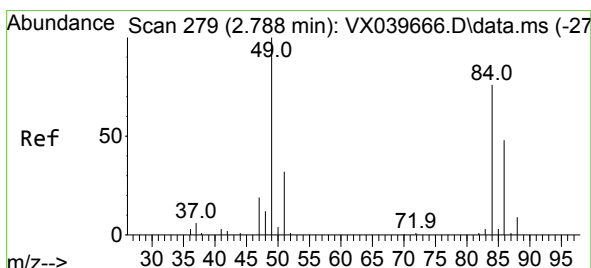
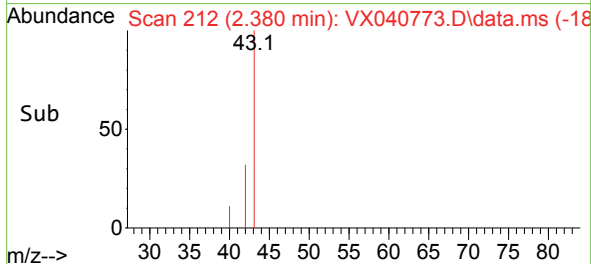
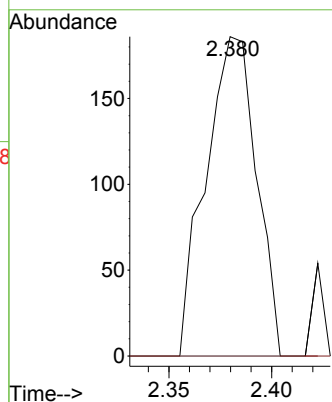
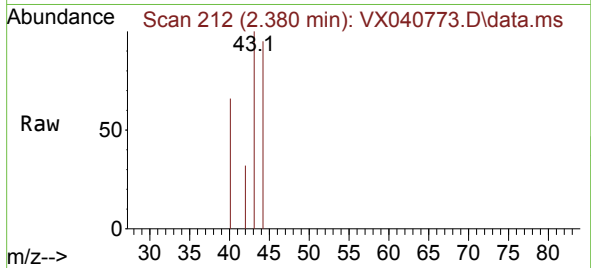




#12
Methyl Acetate
Concen: 0.204 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.323 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

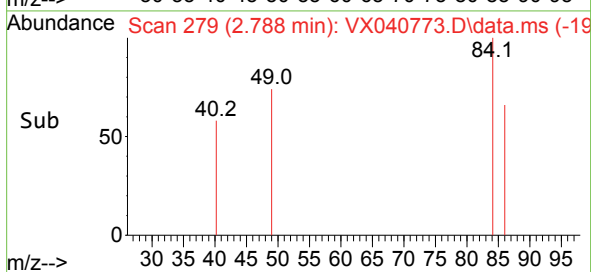
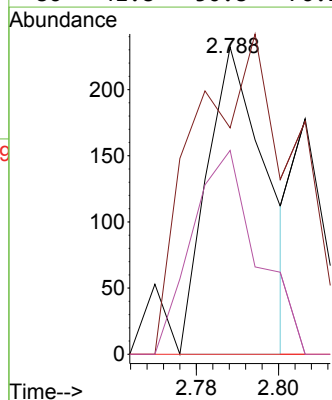
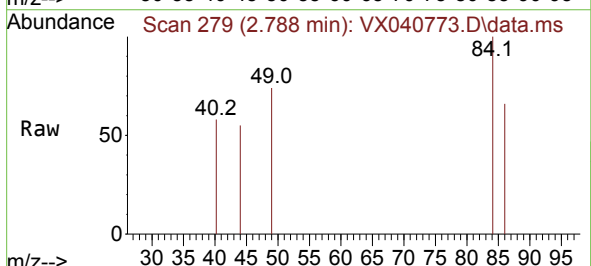
Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

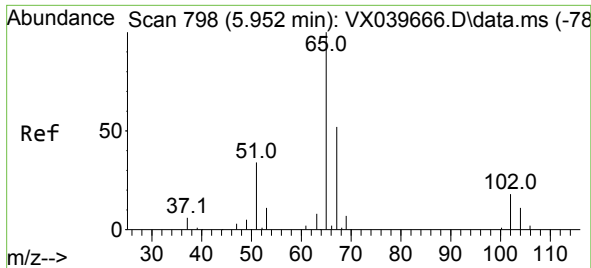
Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#18
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

Tgt Ion: 84 Resp: 233
Ion Ratio Lower Upper
84 100
49 16.8 103.8 155.8#
51 0.0 31.8 47.6#
86 41.8 50.8 76.2#

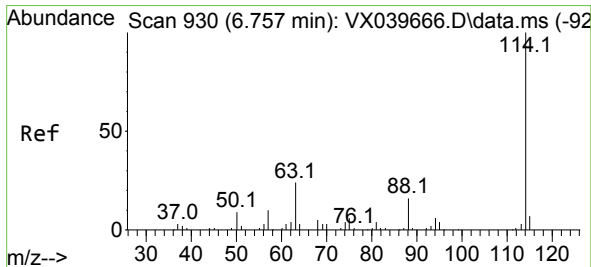
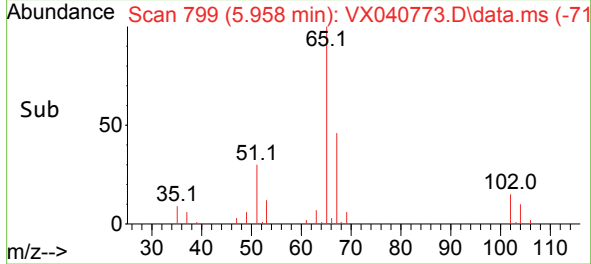
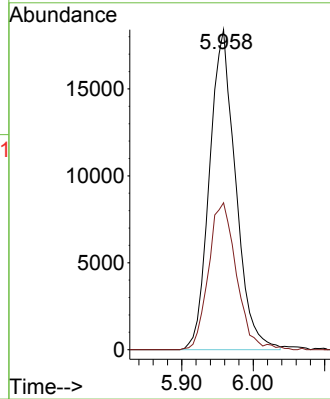
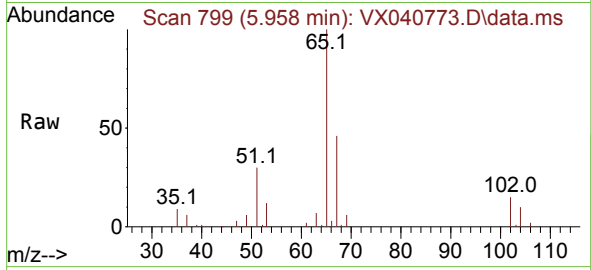




#27
1,2-Dichloroethane-d4
Concen: 29.250 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

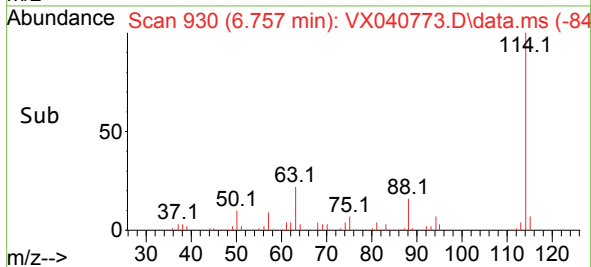
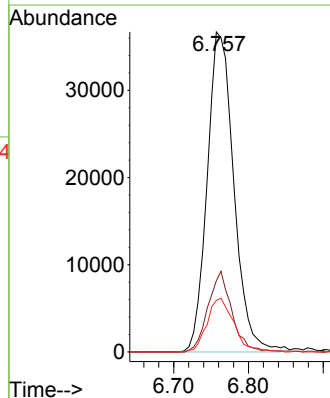
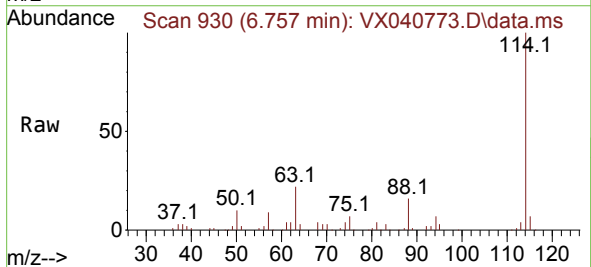
Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

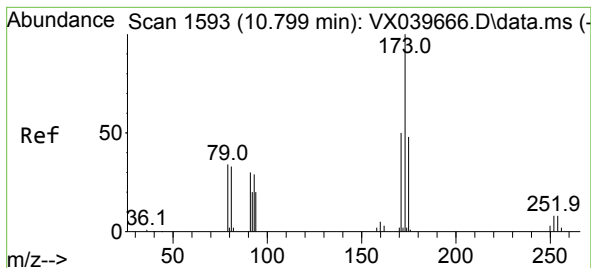
Tgt Ion: 65 Resp: 46607
Ion Ratio Lower Upper
65 100
67 48.3 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

Tgt Ion: 114 Resp: 90962
Ion Ratio Lower Upper
114 100
63 22.7 17.0 25.4
88 16.6 12.7 19.1





#56

Bromoform

Concen: 0.350 ug/l

RT: 11.073 min Scan# 1

Delta R.T. 0.274 min

Lab File: VX040773.D

Acq: 22 Mar 2024 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBL01

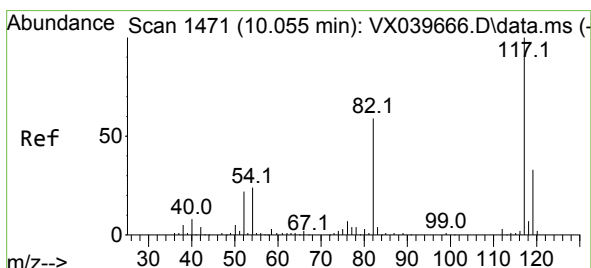
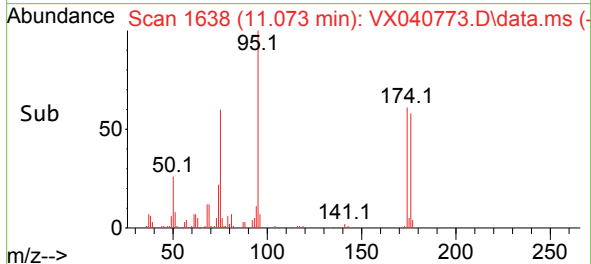
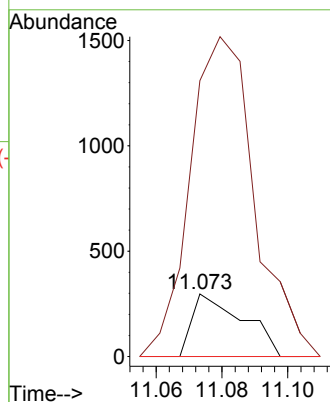
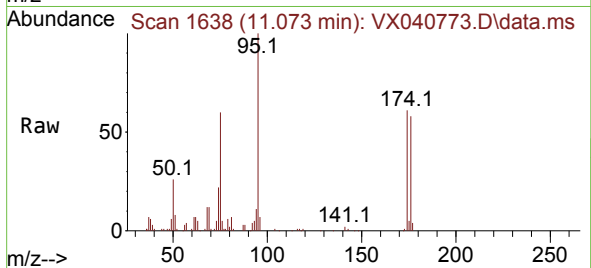
Tgt Ion:173 Resp: 320

Ion Ratio Lower Upper

173 100

175 648.8 37.6 56.4#

254 0.0 5.8 8.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040773.D

Acq: 22 Mar 2024 12:27

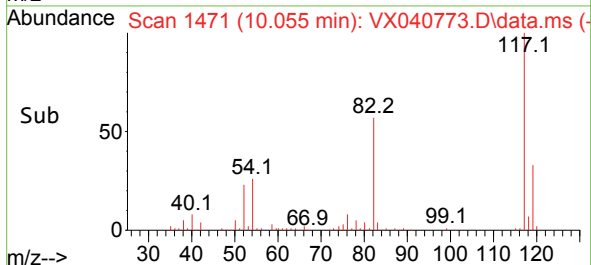
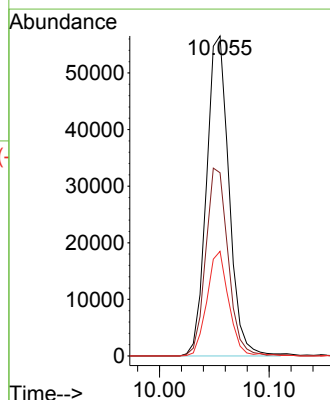
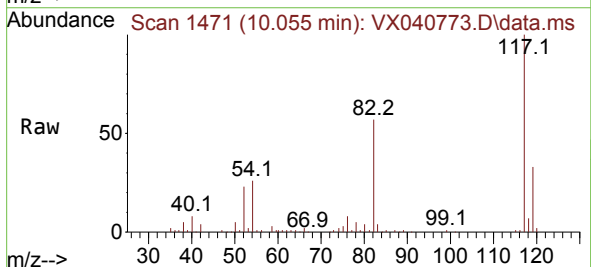
Tgt Ion:117 Resp: 80582

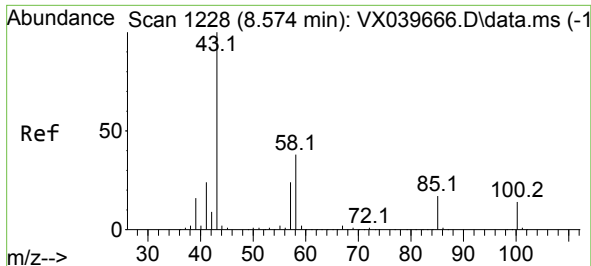
Ion Ratio Lower Upper

117 100

82 58.3 47.0 70.6

119 31.4 25.2 37.8





#58

4-Methyl-2-Pentanone

Concen: 0.208 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.061 min

Lab File: VX040773.D

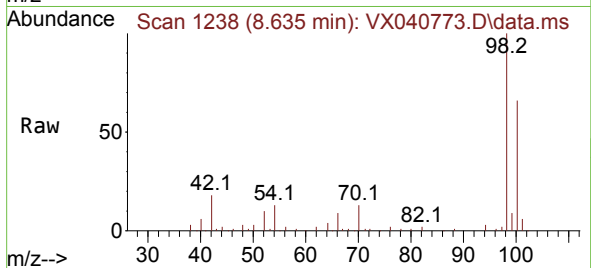
Acq: 22 Mar 2024 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0322WBL01



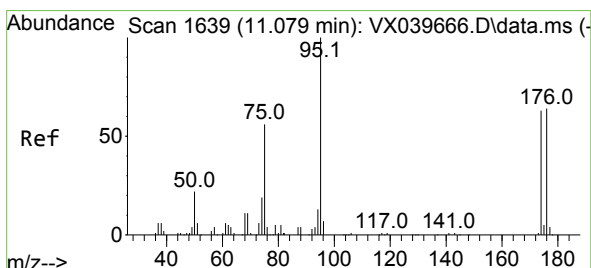
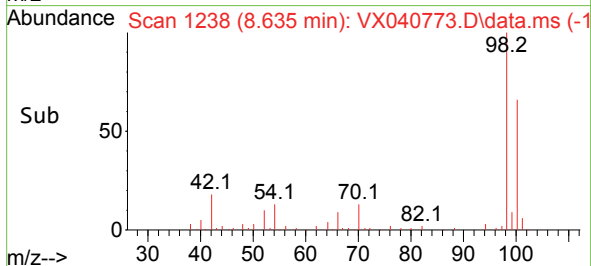
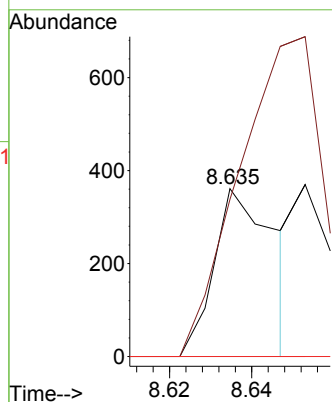
Tgt Ion: 43 Resp: 373

Ion Ratio Lower Upper

43 100

58 0.0 30.1 45.1#

85 0.0 13.9 20.9#



#60

4-Bromofluorobenzene

Concen: 29.267 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040773.D

Acq: 22 Mar 2024 12:27

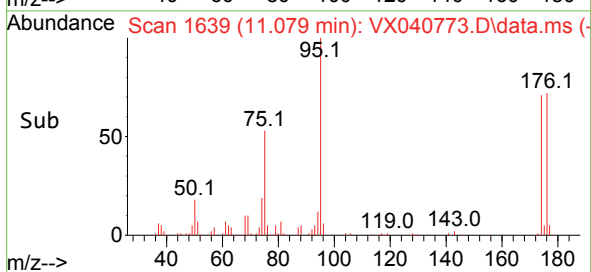
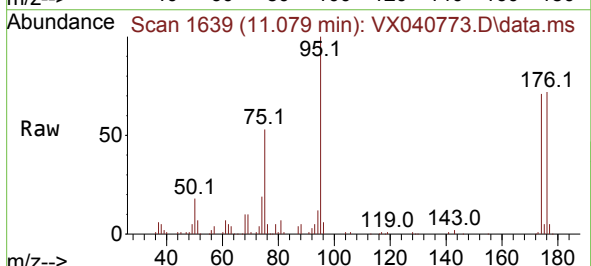
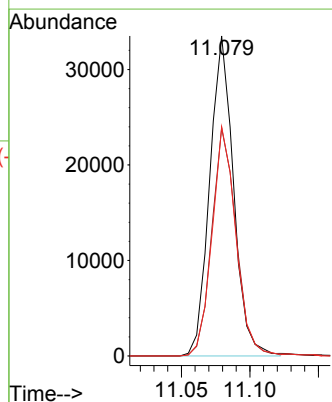
Tgt Ion: 95 Resp: 40454

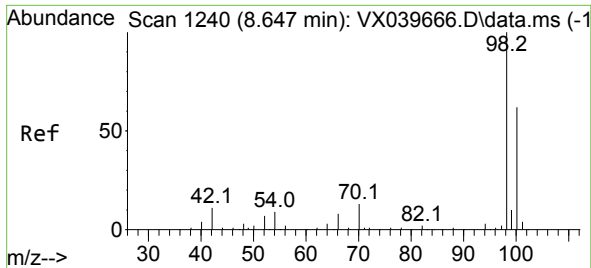
Ion Ratio Lower Upper

95 100

174 72.4 55.4 83.2

176 71.8 52.6 78.8

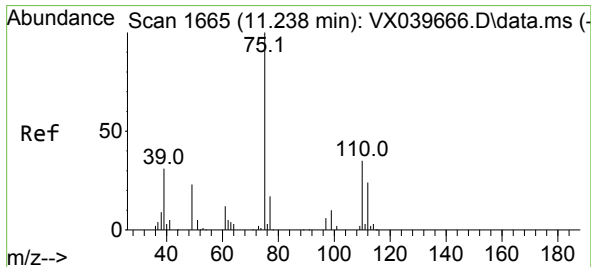
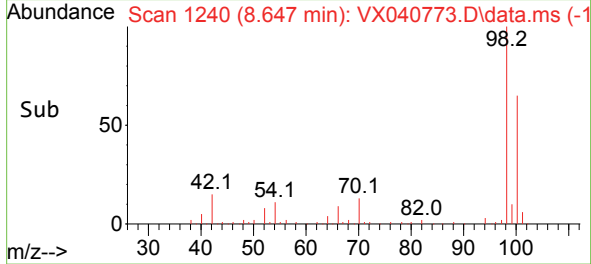
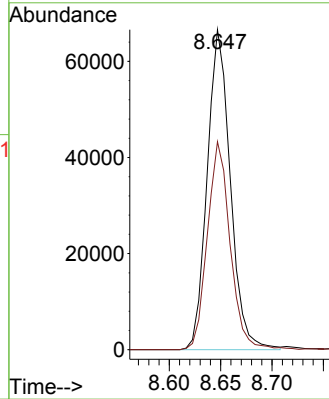
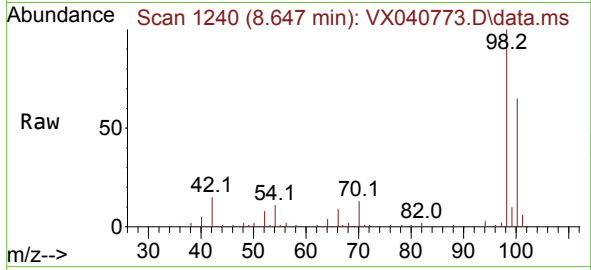




#63
Toluene-d8
Concen: 29.313 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

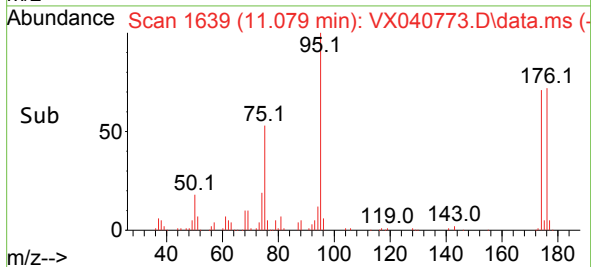
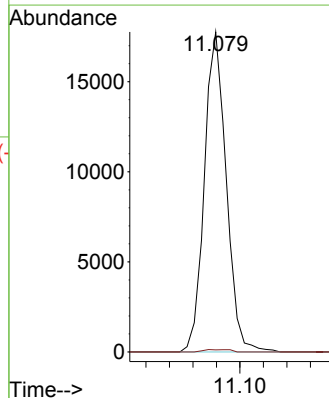
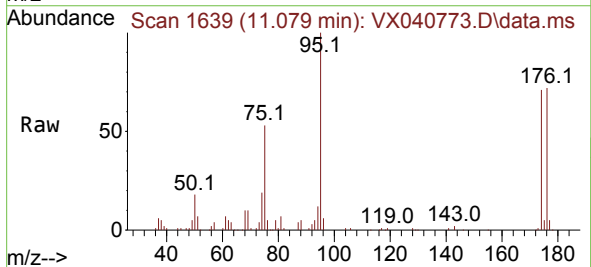
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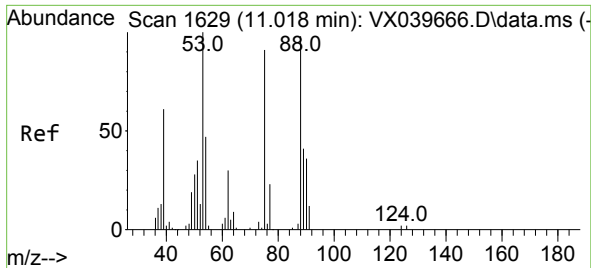
Tgt Ion: 98 Resp: 104388
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.4



#72
1,2,3-Trichloropropane
Concen: 14.790 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

Tgt Ion: 75 Resp: 22931
Ion Ratio Lower Upper
75 100
77 0.4 0.0 76.4





#77
t-1,4-Dichloro-2-butene
Concen: 47.590 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040773.D
Acq: 22 Mar 2024 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0322WBL01

Tgt Ion: 75 Resp: 22931
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

