

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040779.D
 Acq On : 22 Mar 2024 14:43
 Operator : JC/MD
 Sample : P1836-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240308028-07

Quant Time: Mar 23 05:05:46 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)

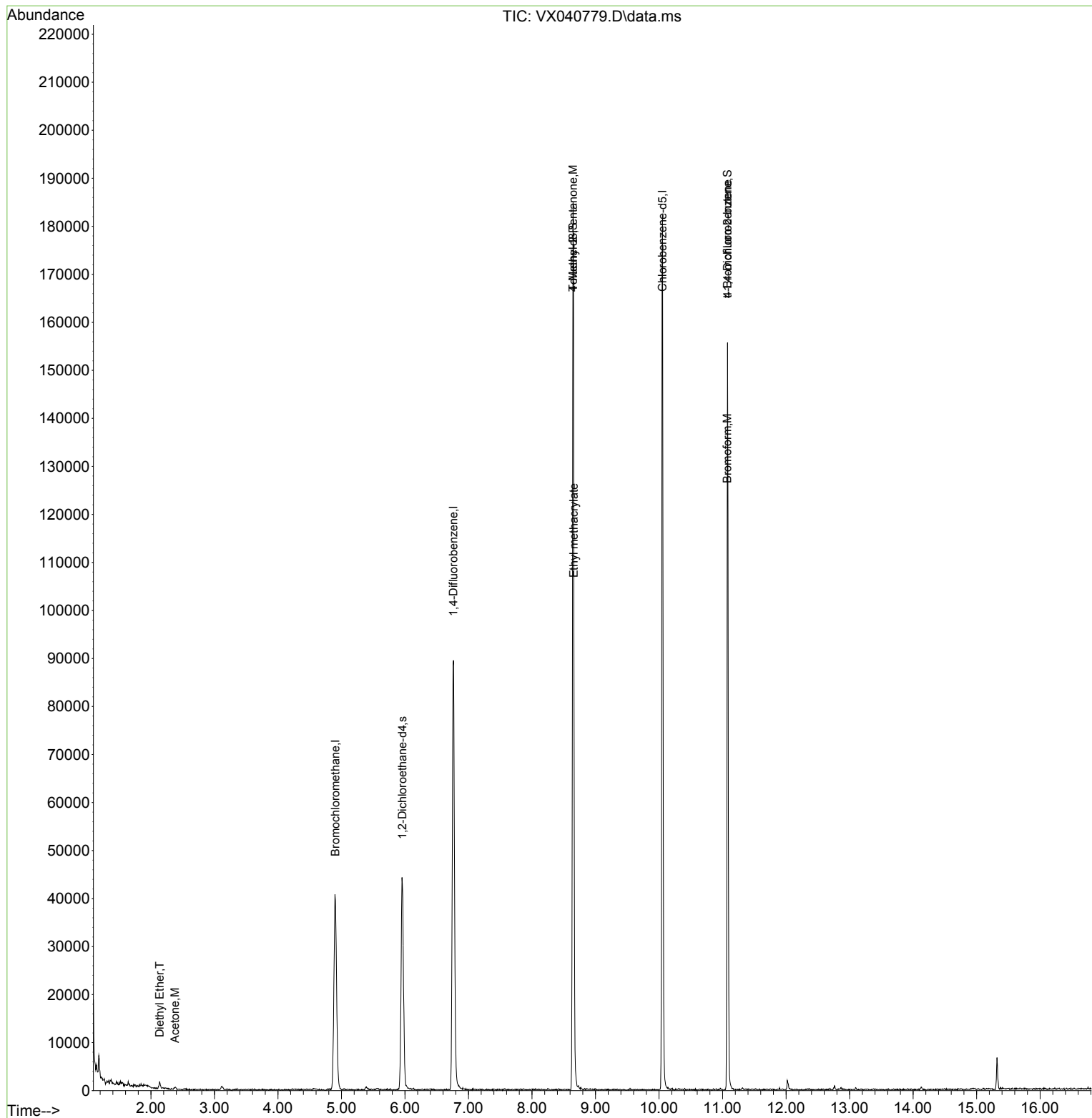
Internal Standards						
1) Bromochloromethane	4.903	128	15691	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	86850	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	78721	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	44532	28.416	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.733%		
60) 4-Bromofluorobenzene	11.079	95	38588	28.577	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.267%		
63) Toluene-d8	8.647	98	106341	30.567	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.900%		
Target Compounds						
8) Diethyl Ether	2.136	74	374	0.614	ug/l #	11
15) Acetone	2.379	58	153	0.882	ug/l #	1
51) Ethyl methacrylate	8.659	69	413	0.243	ug/l #	69
56) Bromoform	11.073	173	316	0.362	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	579	0.330	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22479	47.755	ug/l #	12

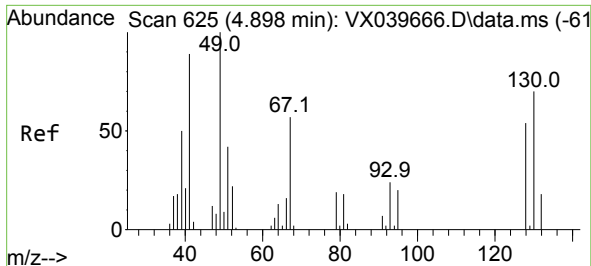
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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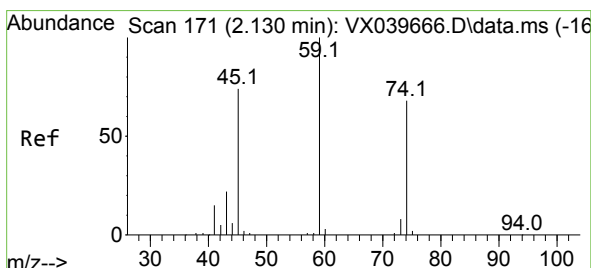
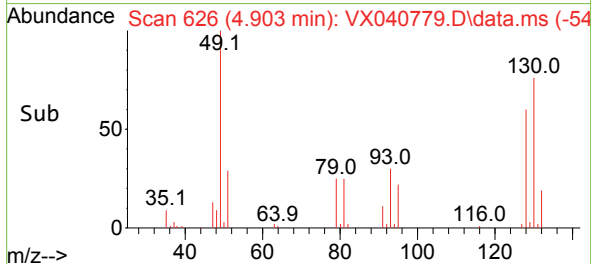
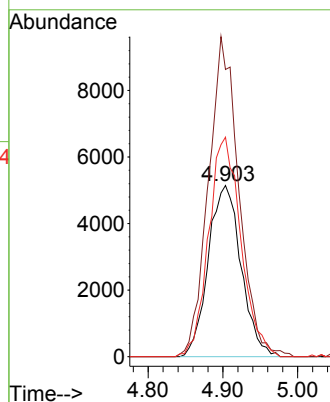
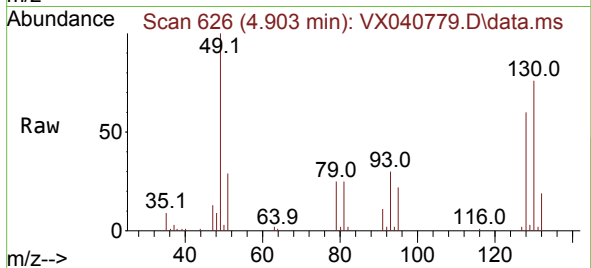




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.005 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

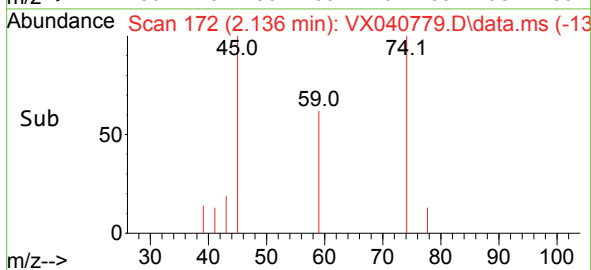
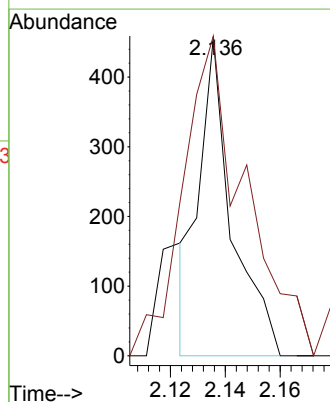
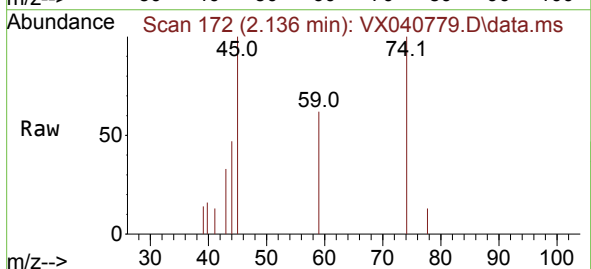
Instrument :
MSVOA_X
ClientSampleId :
240308028-07

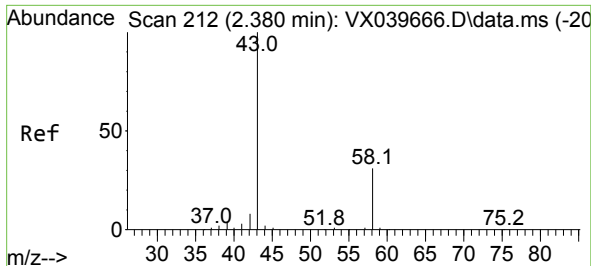
Tgt Ion:128 Resp: 15691
Ion Ratio Lower Upper
128 100
49 173.0 0.0 444.0
130 126.1 0.0 297.8



#8
Diethyl Ether
Concen: 0.614 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

Tgt Ion: 74 Resp: 374
Ion Ratio Lower Upper
74 100
45 192.8 20.5 184.5#

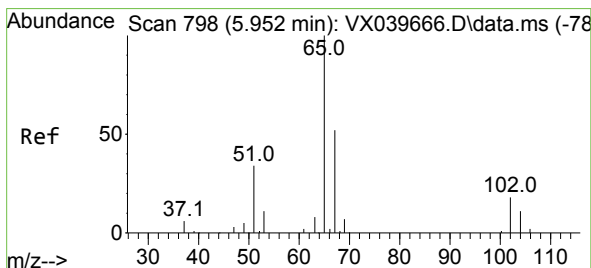
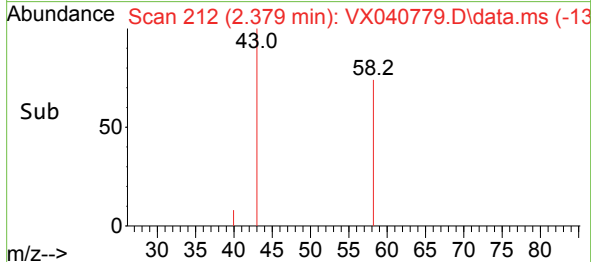
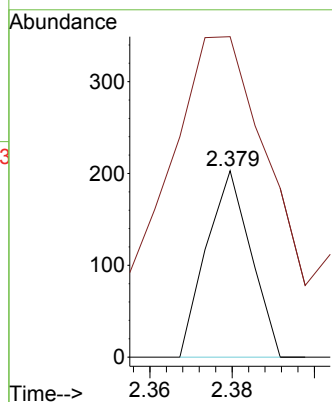
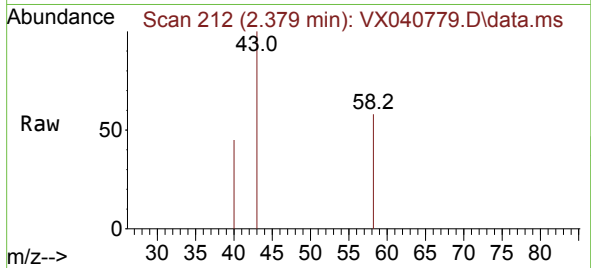




#15
Acetone
Concen: 0.882 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

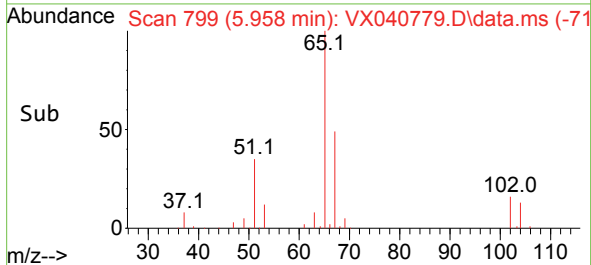
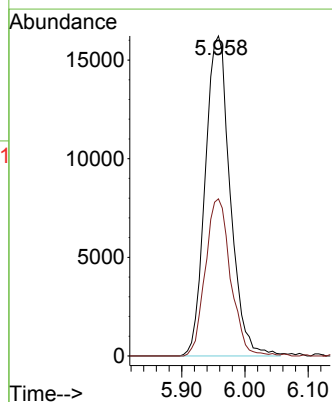
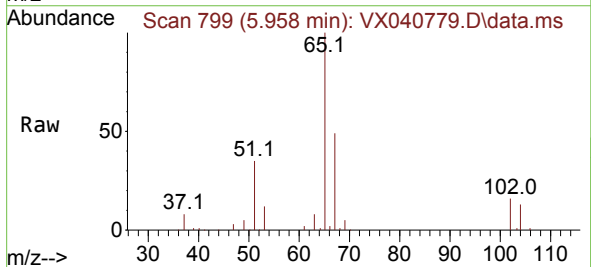
Instrument :
MSVOA_X
ClientSampleId :
240308028-07

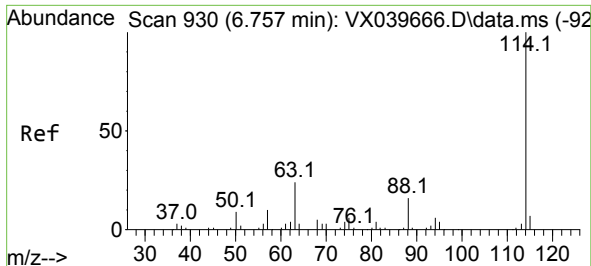
Tgt Ion: 58 Resp: 153
Ion Ratio Lower Upper
58 100
43 81.3 249.9 374.9#



#27
1,2-Dichloroethane-d4
Concen: 28.416 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

Tgt Ion: 65 Resp: 44532
Ion Ratio Lower Upper
65 100
67 49.4 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX040779.D

Acq: 22 Mar 2024 14:43

Instrument :

MSVOA_X

ClientSampleId :

240308028-07

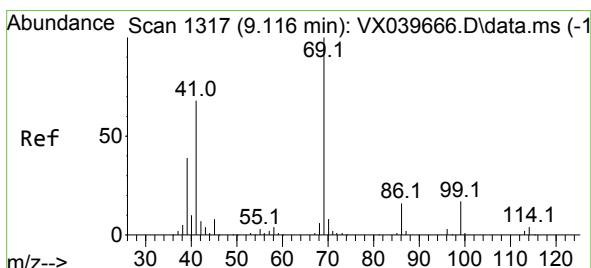
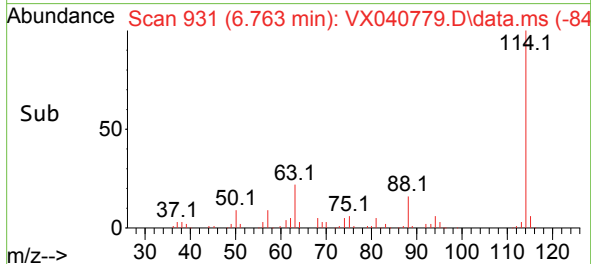
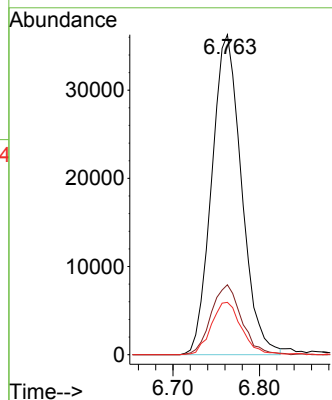
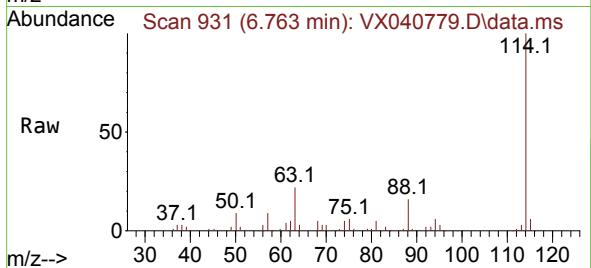
Tgt Ion:114 Resp: 86850

Ion Ratio Lower Upper

114 100

63 22.2 17.0 25.4

88 16.4 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.243 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.457 min

Lab File: VX040779.D

Acq: 22 Mar 2024 14:43

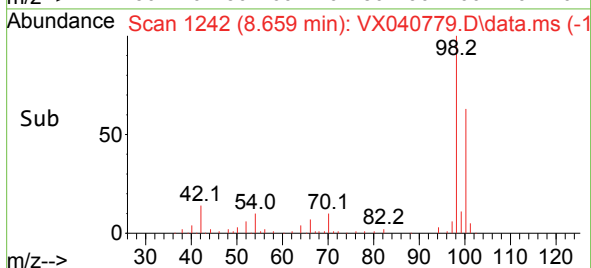
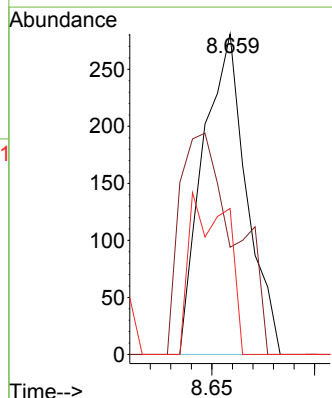
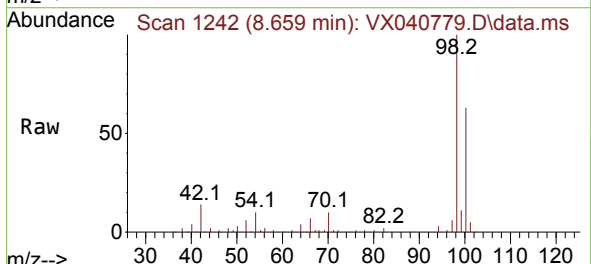
Tgt Ion: 69 Resp: 413

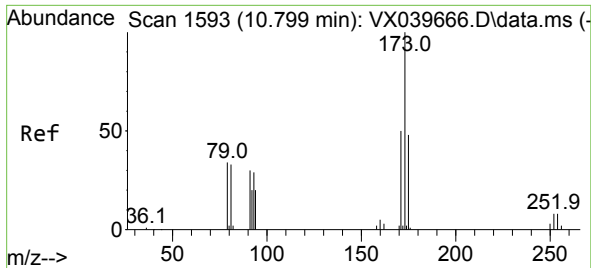
Ion Ratio Lower Upper

69 100

41 33.5 36.2 108.6#

39 45.6 21.1 63.4

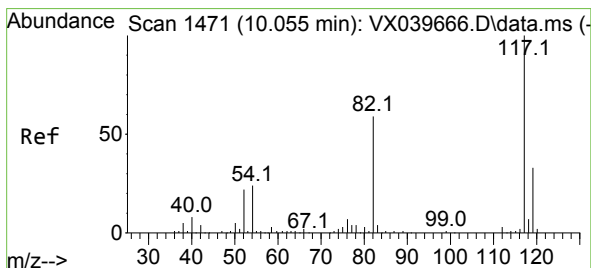
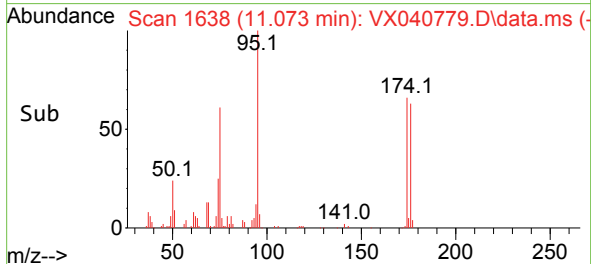
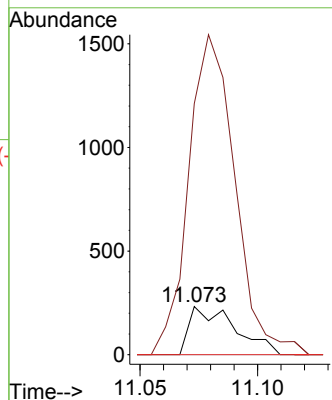
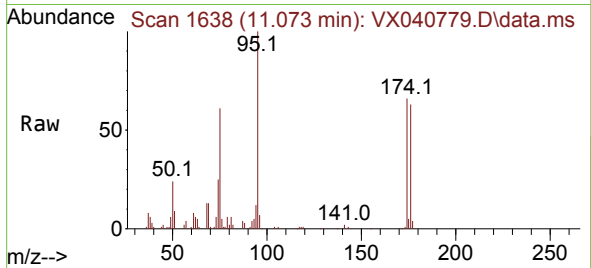




#56
Bromoform
Concen: 0.362 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.274 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

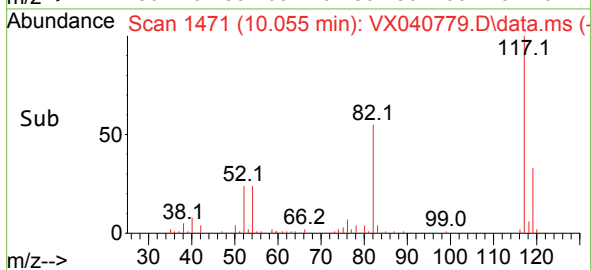
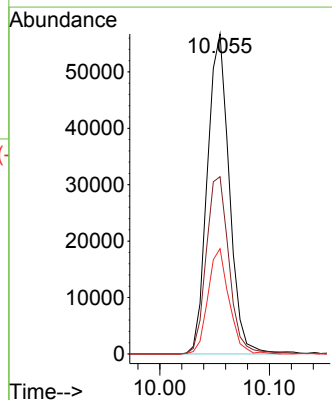
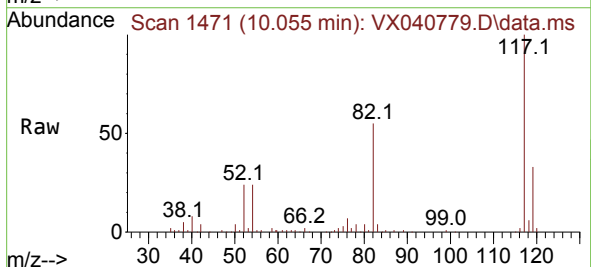
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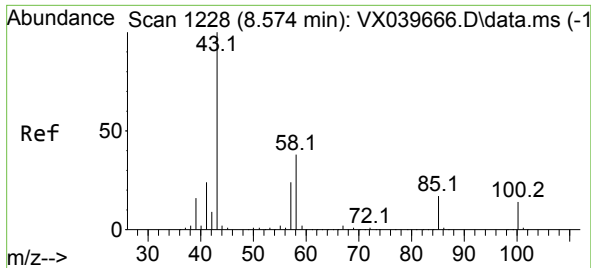
Tgt Ion:173 Resp: 316
Ion Ratio Lower Upper
173 100
175 672.5 37.6 56.4#
254 0.0 5.8 8.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

Tgt Ion:117 Resp: 78721
Ion Ratio Lower Upper
117 100
82 57.9 47.0 70.6
119 31.4 25.2 37.8

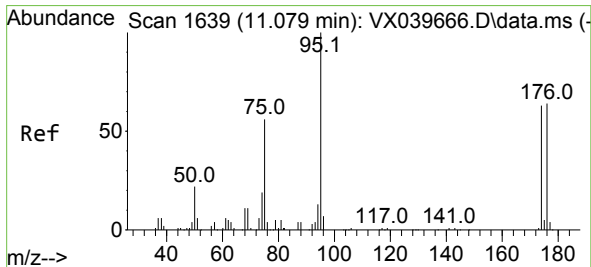
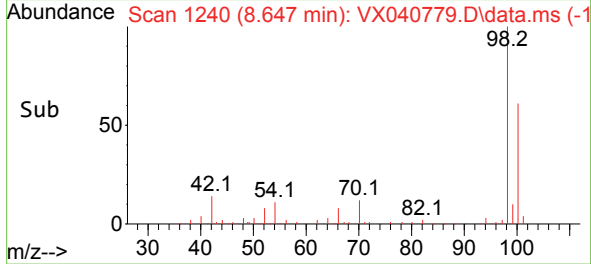
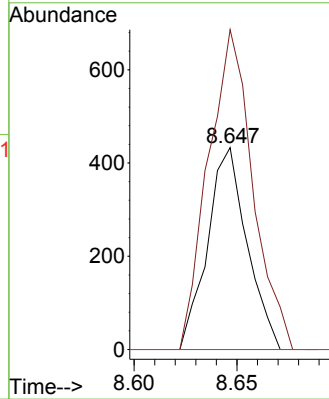
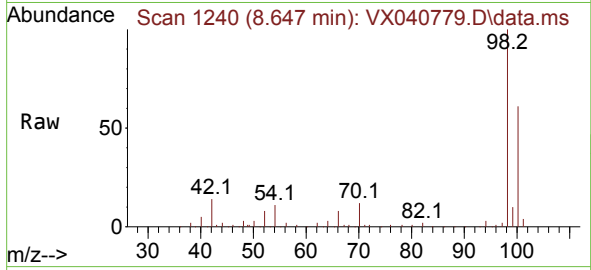




#58
 4-Methyl-2-Pentanone
 Concen: 0.330 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX040779.D
 Acq: 22 Mar 2024 14:43

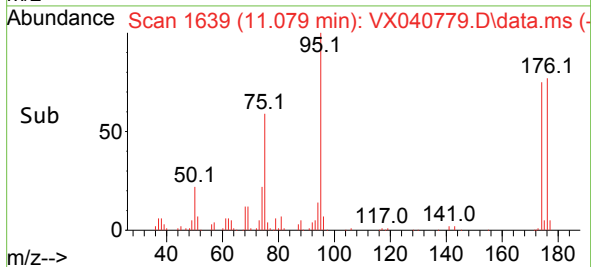
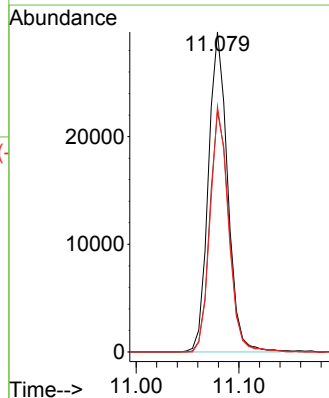
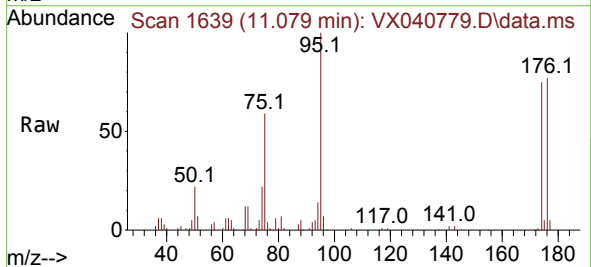
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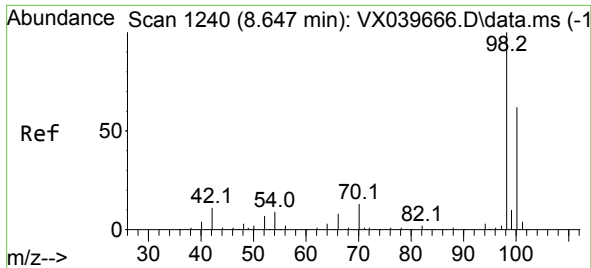
Tgt Ion:	43	Resp:	579
Ion	Ratio	Lower	Upper
43	100		
58	178.1	30.1	45.1#
85	0.0	13.9	20.9#



#60
 4-Bromofluorobenzene
 Concen: 28.577 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX040779.D
 Acq: 22 Mar 2024 14:43

Tgt Ion:	95	Resp:	38588
Ion	Ratio	Lower	Upper
95	100		
174	75.4	55.4	83.2
176	73.1	52.6	78.8

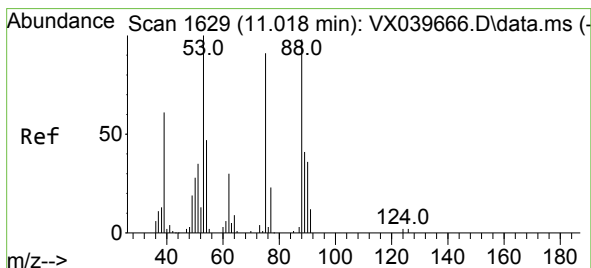
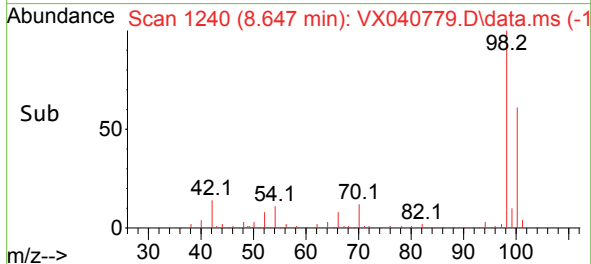
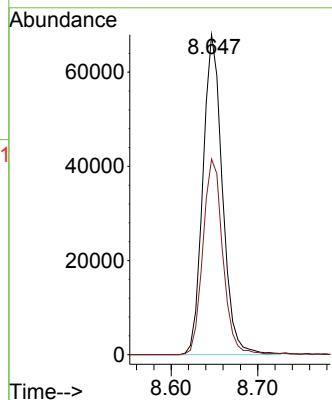
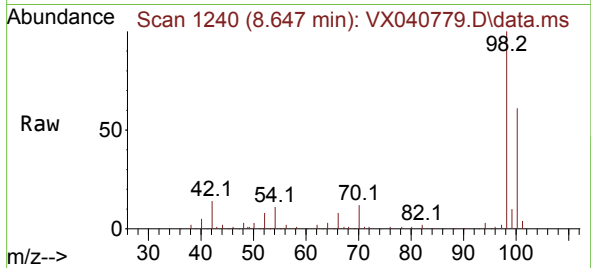




#63
Toluene-d8
Concen: 30.567 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

Instrument :
MSVOA_X
ClientSampleId :
240308028-07

Tgt Ion: 98 Resp: 106341
Ion Ratio Lower Upper
98 100
100 62.2 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.755 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040779.D
Acq: 22 Mar 2024 14:43

Tgt Ion: 75 Resp: 22479
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.5 21.3 63.7#

