

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032224\
 Data File : VX040774.D
 Acq On : 22 Mar 2024 12:50
 Operator : JC/MD
 Sample : P1836-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240321044-01-TRIP-BLANK

Quant Time: Mar 23 05:04:08 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)

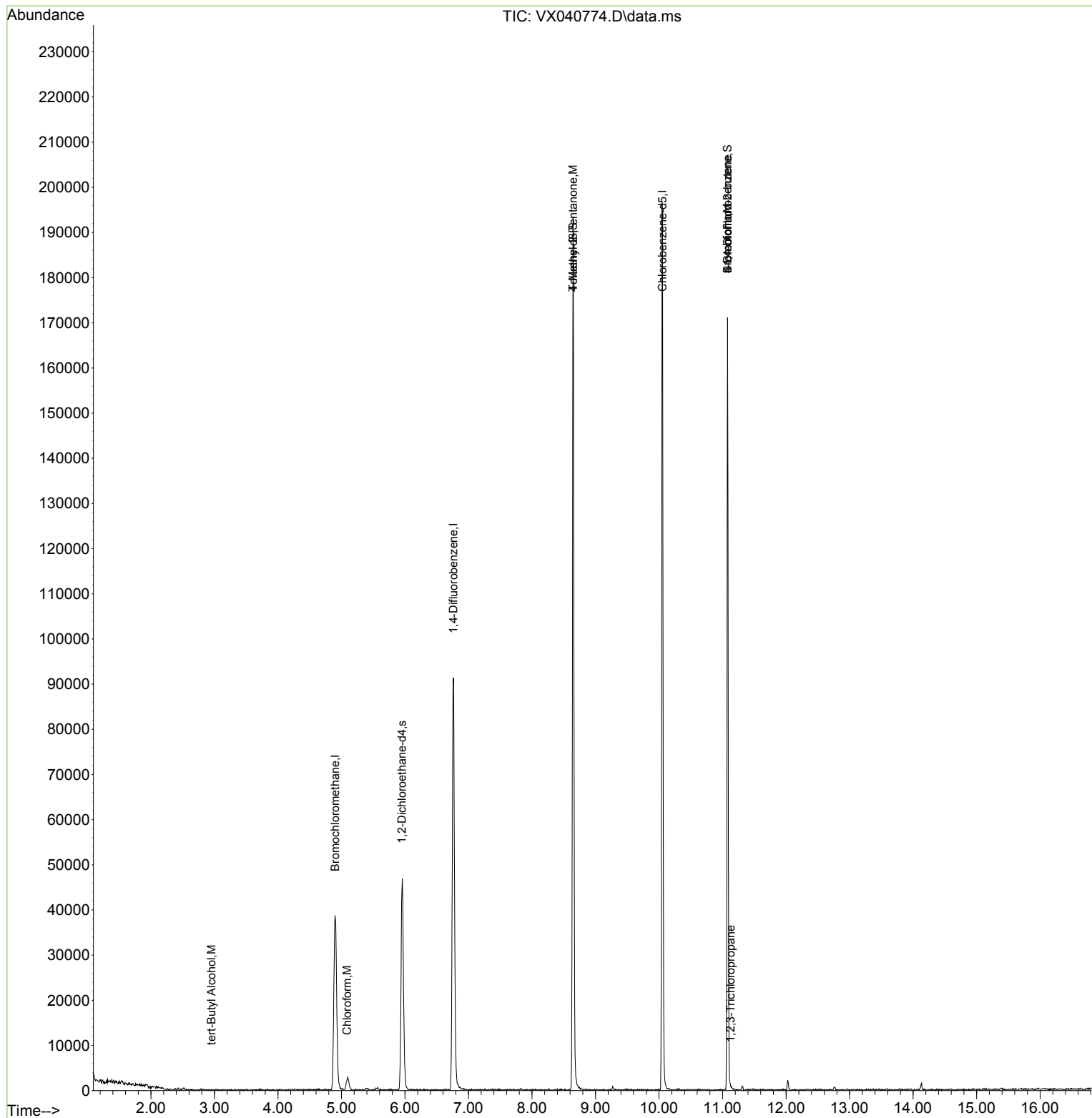
Internal Standards						
1) Bromochloromethane	4.898	128	16273	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	89609	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	84312	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46775	28.780	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.933%		
60) 4-Bromofluorobenzene	11.079	95	42048	29.075	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.900%		
63) Toluene-d8	8.647	98	107909	28.961	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.533%		
Target Compounds						Qvalue
23) tert-Butyl Alcohol	2.953	59	61	0.205	ug/l #	100
25) Chloroform	5.087	83	1394	0.618	ug/l	95
56) Bromoform	11.079	173	310	0.345	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	442	0.235	ug/l #	1
72) 1,2,3-Trichloropropane	11.128	75	436	0.269	ug/l #	37
77) t-1,4-Dichloro-2-butene	11.079	75	24046	47.696	ug/l #	12

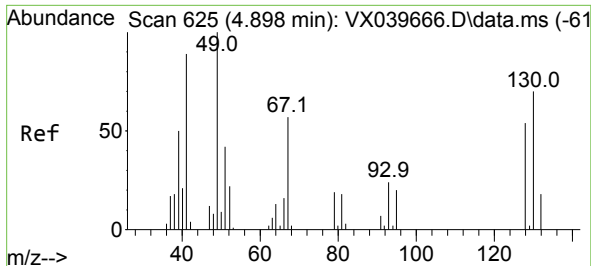
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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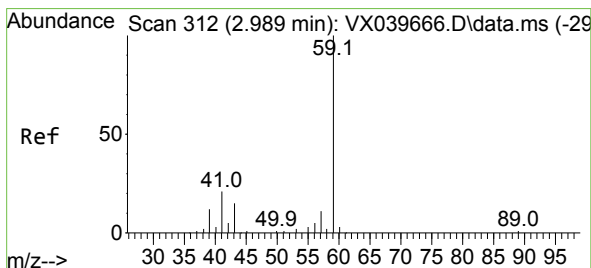
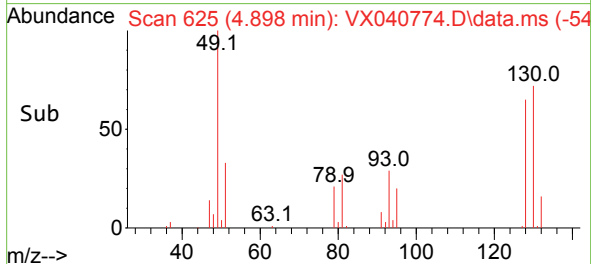
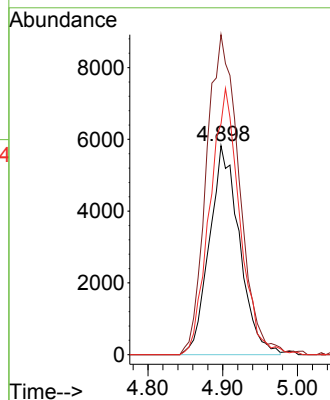
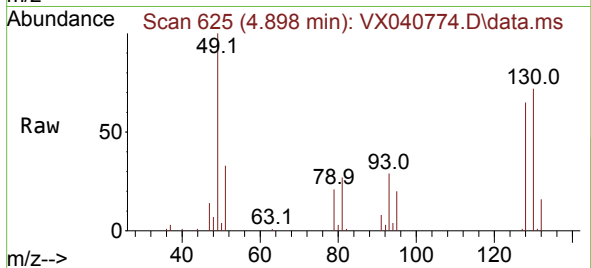




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

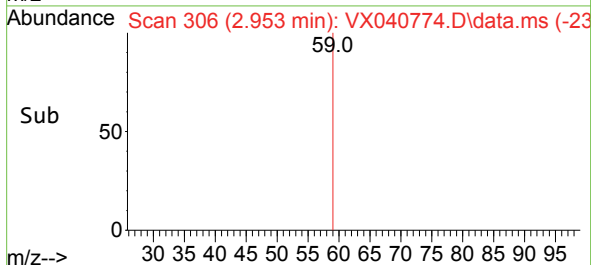
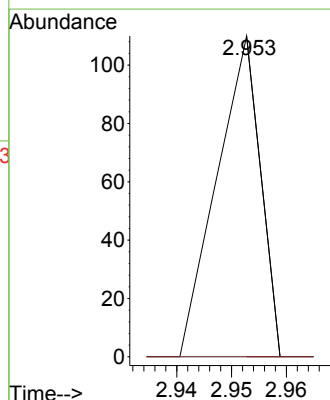
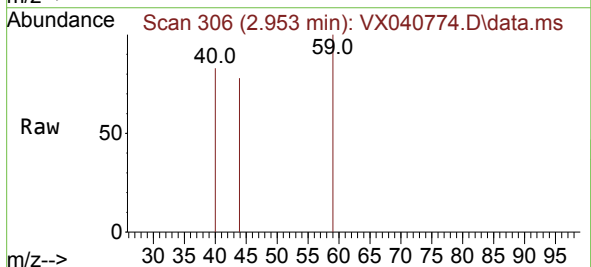
Instrument :
MSVOA_X
ClientSampleId :
240321044-01-TRIP-BLANK

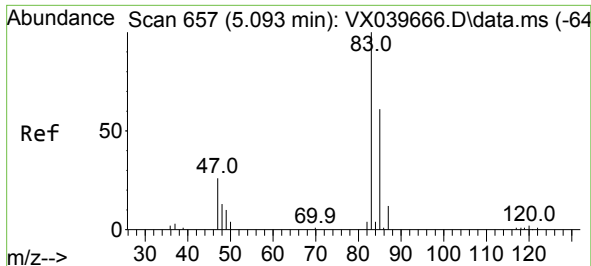
Tgt Ion:128 Resp: 16273
Ion Ratio Lower Upper
128 100
49 164.9 0.0 444.0
130 126.4 0.0 297.8



#23
tert-Butyl Alcohol
Concen: 0.205 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

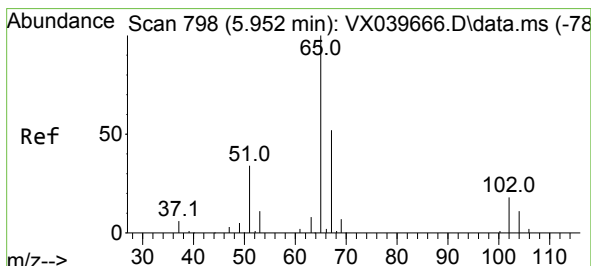
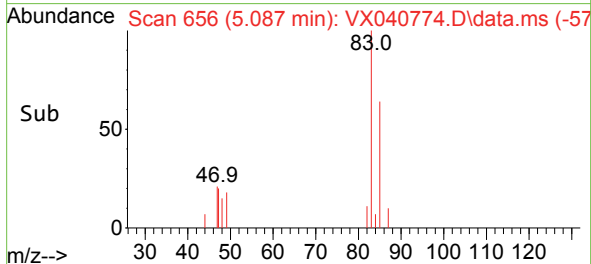
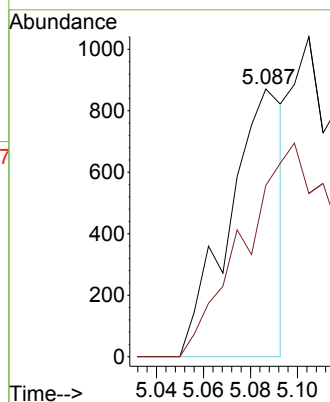
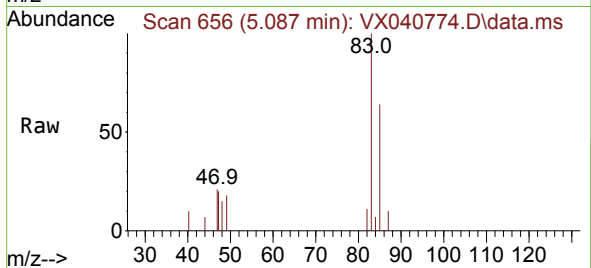




#25
Chloroform
Concen: 0.618 ug/l
RT: 5.087 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

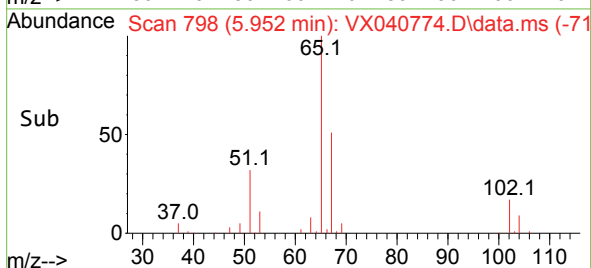
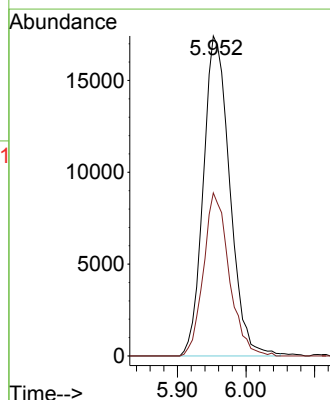
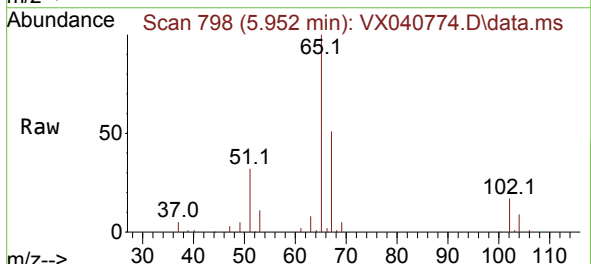
Instrument :
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ClientSampleId :
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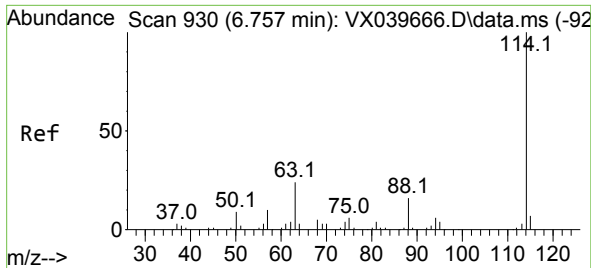
Tgt Ion: 83 Resp: 1394
Ion Ratio Lower Upper
83 100
85 63.9 54.6 81.8



#27
1,2-Dichloroethane-d4
Concen: 28.780 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

Tgt Ion: 65 Resp: 46775
Ion Ratio Lower Upper
65 100
67 49.3 42.5 63.7

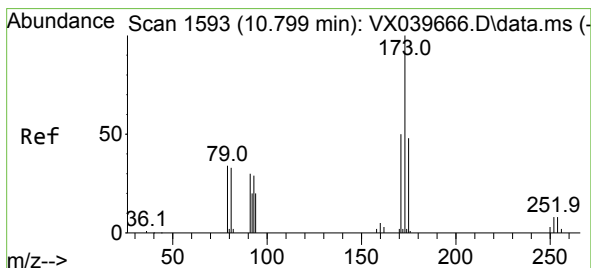
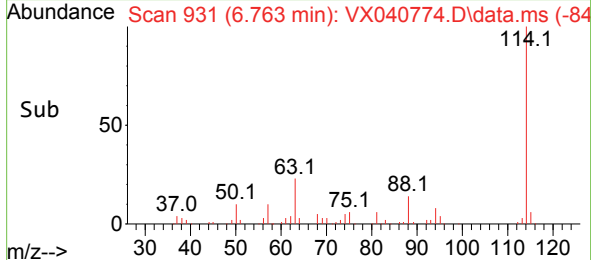
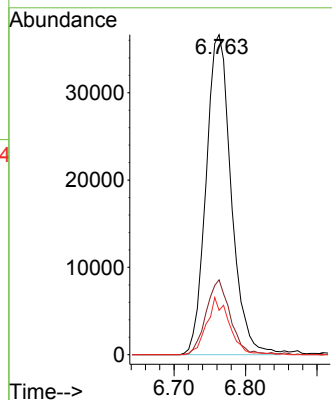
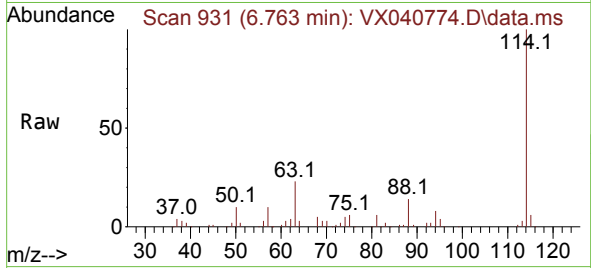




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

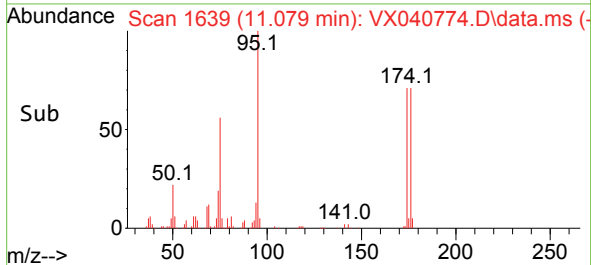
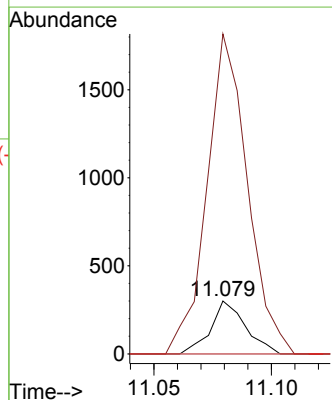
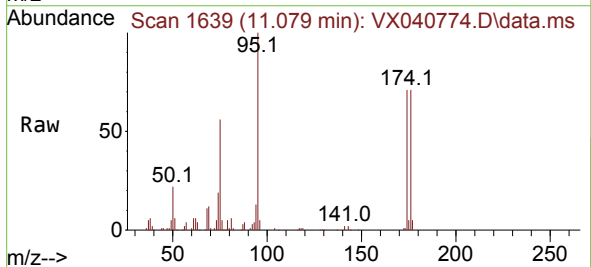
Instrument :
MSVOA_X
ClientSampleId :
240321044-01-TRIP-BLANK

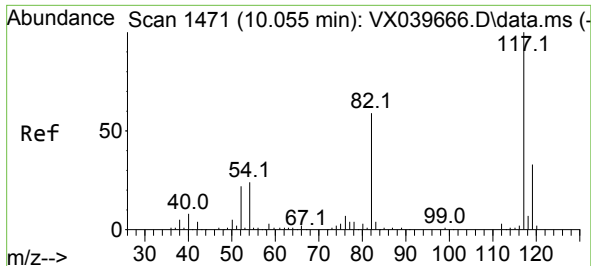
Tgt Ion:114 Resp: 89609
Ion Ratio Lower Upper
114 100
63 22.4 17.0 25.4
88 16.1 12.7 19.1



#56
Bromoform
Concen: 0.345 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

Tgt Ion:173 Resp: 310
Ion Ratio Lower Upper
173 100
175 703.2 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: VX040774.D

Acq: 22 Mar 2024 12:50

Instrument :

MSVOA_X

ClientSampleId :

240321044-01-TRIP-BLANK

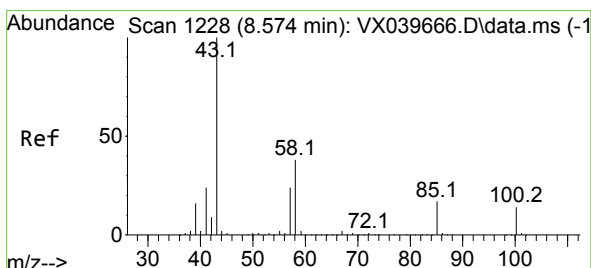
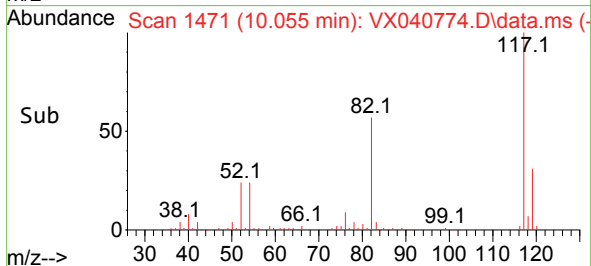
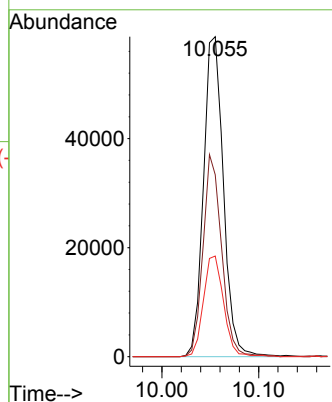
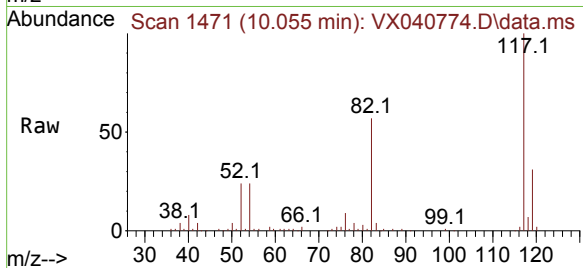
Tgt Ion:117 Resp: 84312

Ion Ratio Lower Upper

117 100

82 59.0 47.0 70.6

119 31.7 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.235 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX040774.D

Acq: 22 Mar 2024 12:50

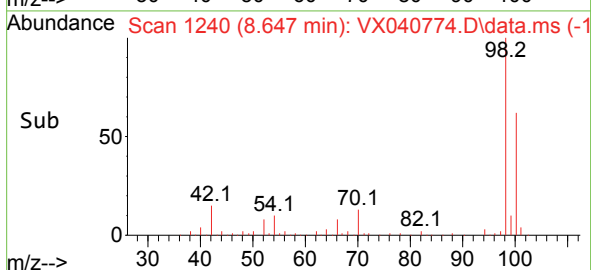
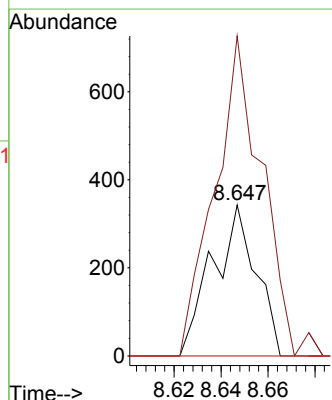
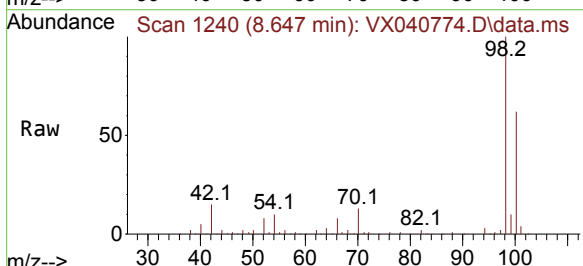
Tgt Ion: 43 Resp: 442

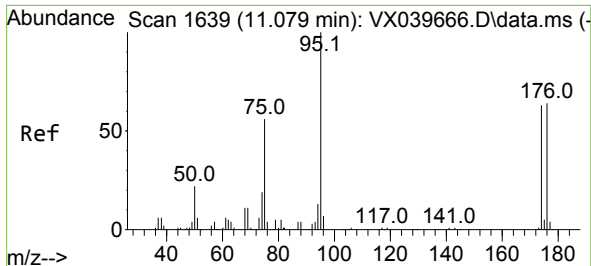
Ion Ratio Lower Upper

43 100

58 226.2 30.1 45.1#

85 0.0 13.9 20.9#

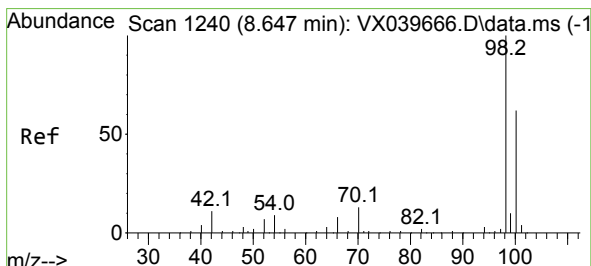
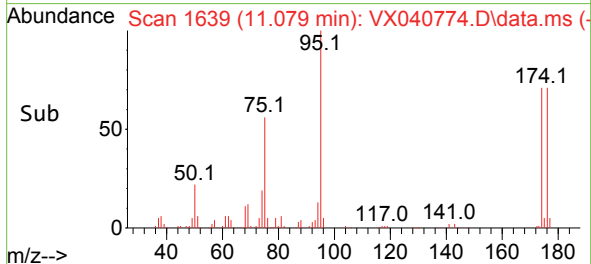
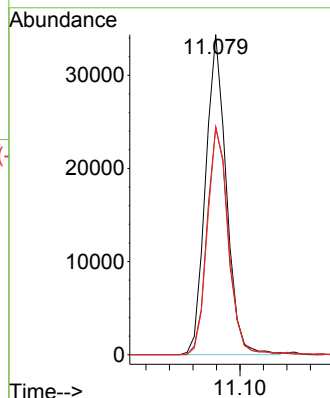
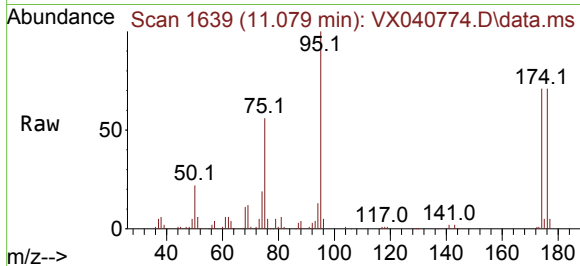




#60
4-Bromofluorobenzene
Concen: 29.075 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

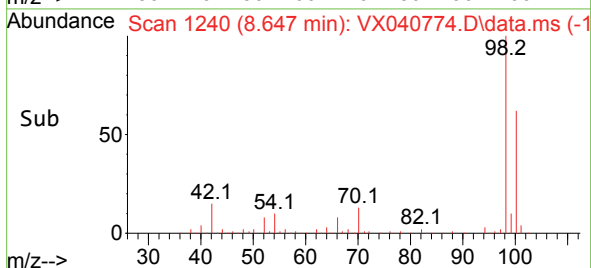
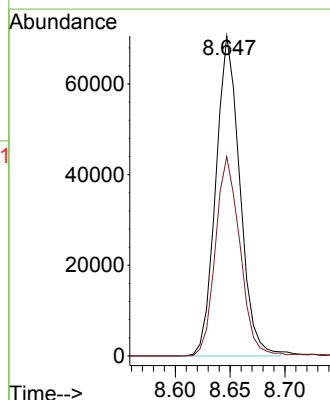
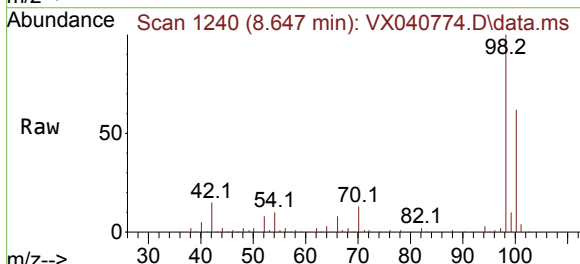
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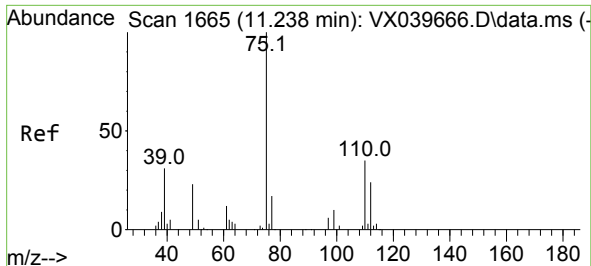
Tgt Ion: 95 Resp: 42048
Ion Ratio Lower Upper
95 100
174 72.2 55.4 83.2
176 72.1 52.6 78.8



#63
Toluene-d8
Concen: 28.961 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

Tgt Ion: 98 Resp: 107909
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.4

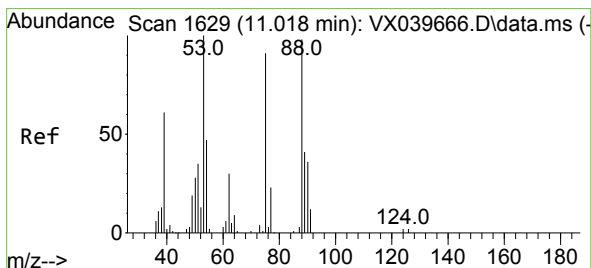
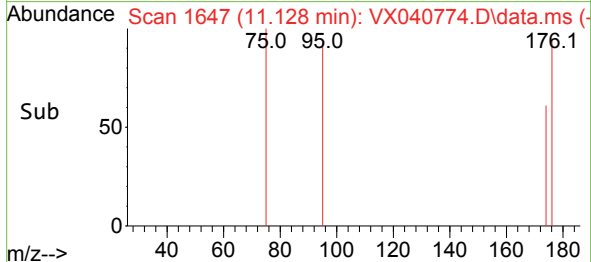
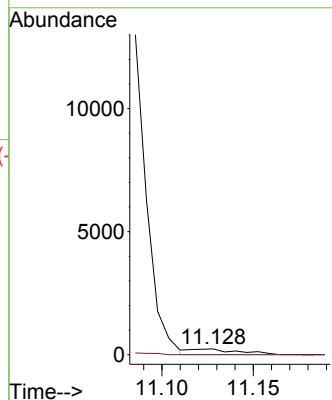
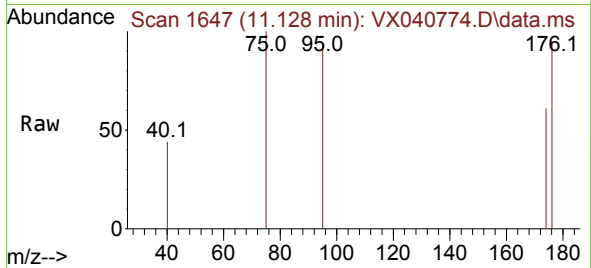




#72
1,2,3-Trichloropropane
Concen: 0.269 ug/l
RT: 11.128 min Scan# 1647
Delta R.T. -0.110 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

Instrument :
MSVOA_X
ClientSampleId :
240321044-01-TRIP-BLANK

Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
77 0.0 0.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 47.696 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040774.D
Acq: 22 Mar 2024 12:50

Tgt Ion: 75 Resp: 24046
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

