

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044780.D
 Acq On : 30 Jan 2025 13:55
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 00:42:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

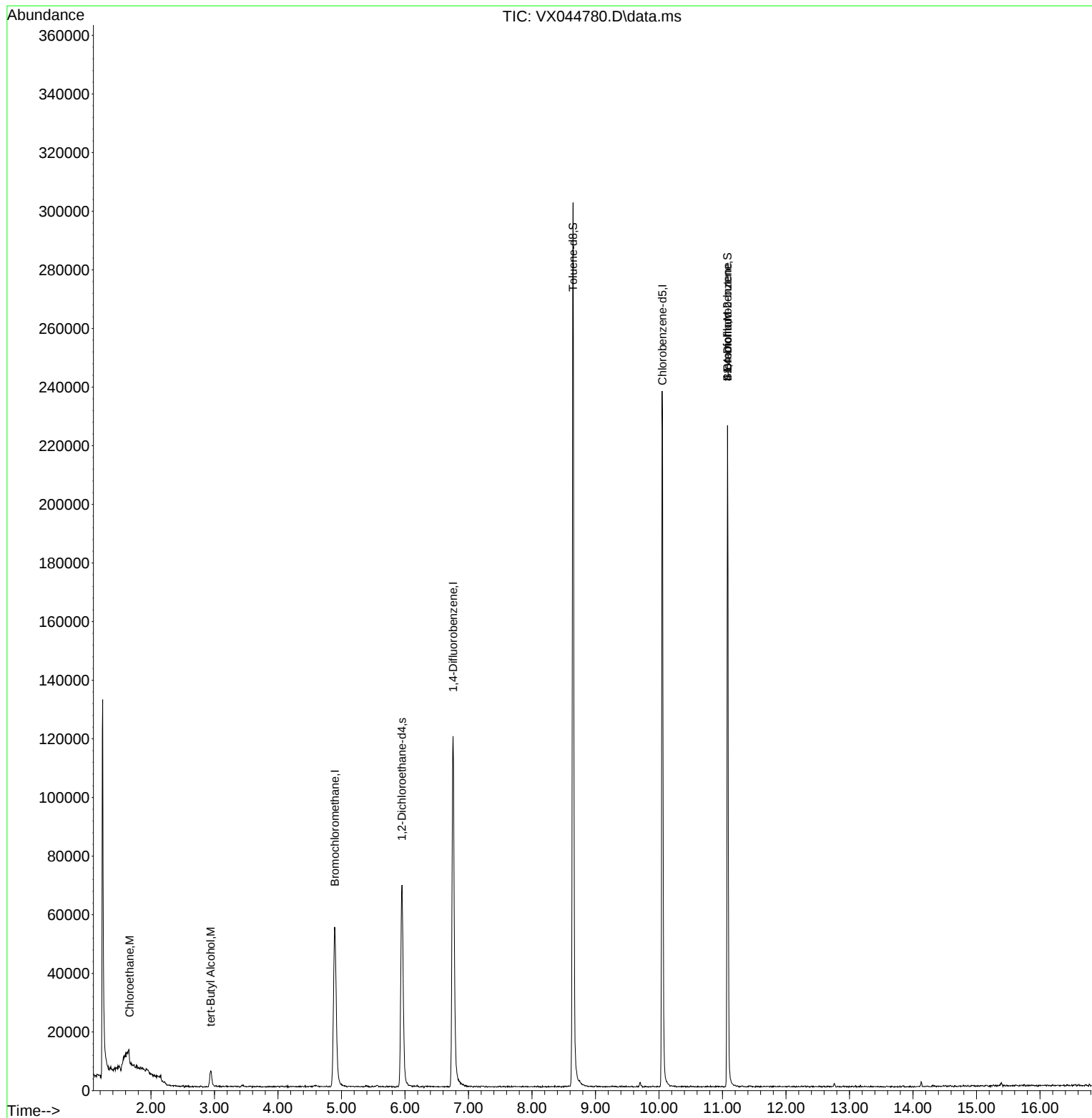
Internal Standards						
1) Bromochloromethane	4.898	128	24187	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	130445	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	112829	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	63658	27.263	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	90.867%#
60) 4-Bromofluorobenzene	11.079	95	61462	28.045	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.500%
63) Toluene-d8	8.647	98	186168	30.337	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.133%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	716	2.040	ug/l #	49
23) tert-Butyl Alcohol	2.941	59	3779	8.221	ug/l #	100
56) Bromoform	11.079	173	381	0.278	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30498	30.312	ug/l #	13

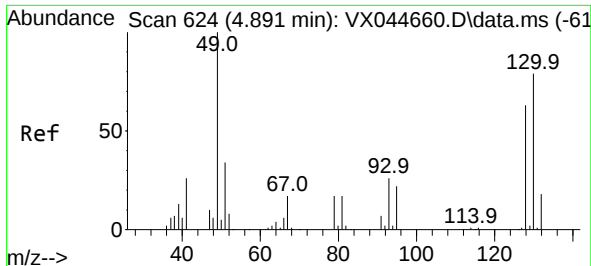
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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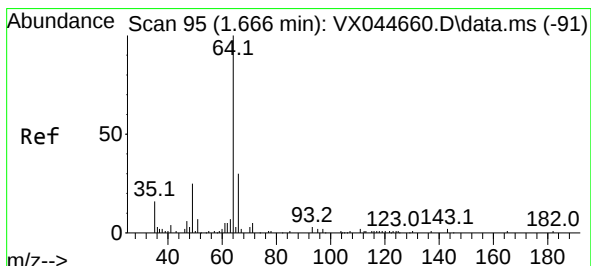
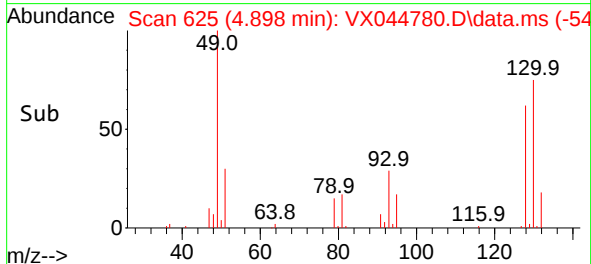
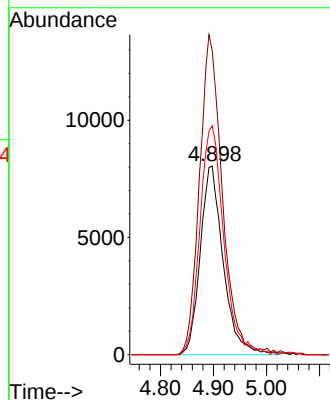
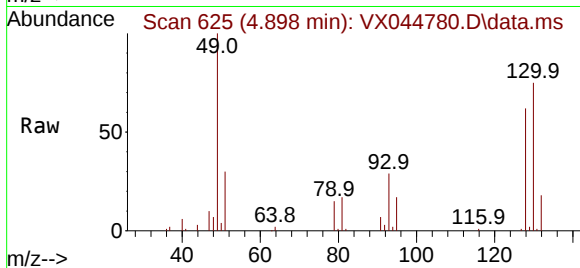




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

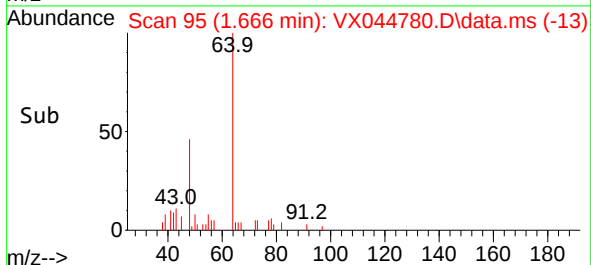
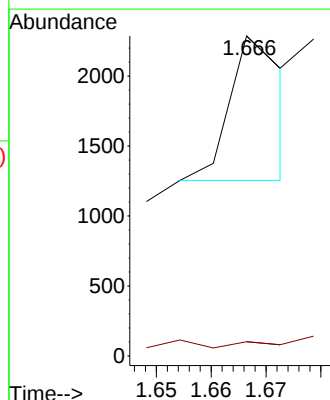
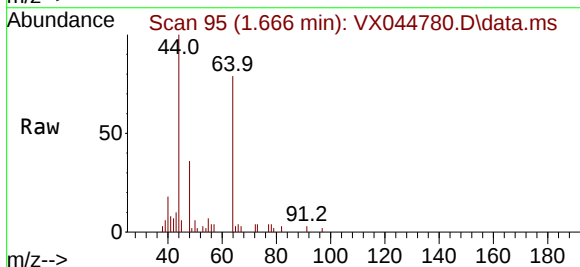
Instrument :
MSVOA_X
ClientSampleId :

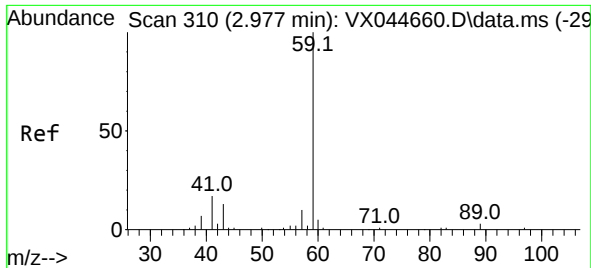
Tgt Ion:128 Resp: 24187
Ion Ratio Lower Upper
128 100
49 168.1 0.0 411.5
130 125.4 0.0 324.3



#6
Chloroethane
Concen: 2.040 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

Tgt Ion: 64 Resp: 716
Ion Ratio Lower Upper
64 100
66 2.1 23.8 35.6#

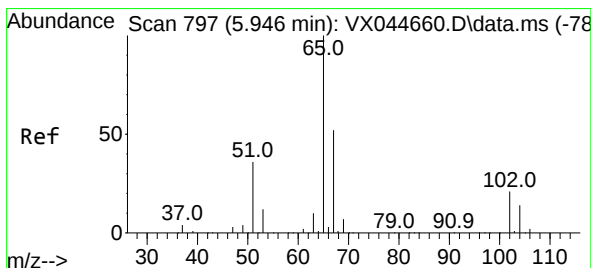
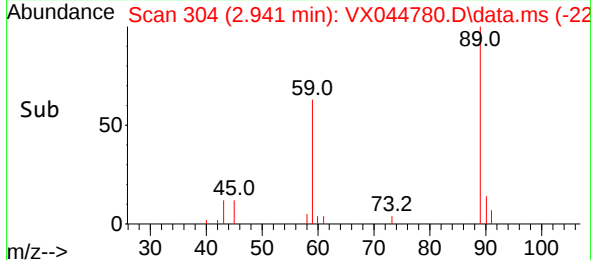
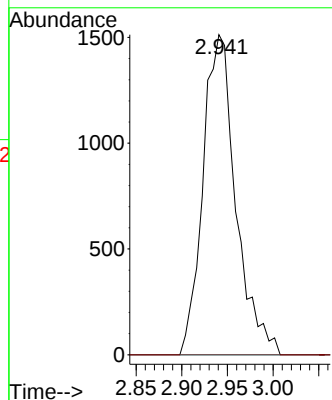
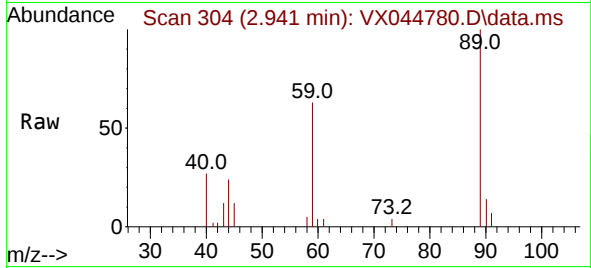




#23
tert-Butyl Alcohol
Concen: 8.221 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.036 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

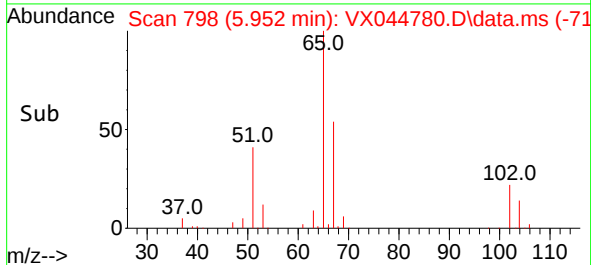
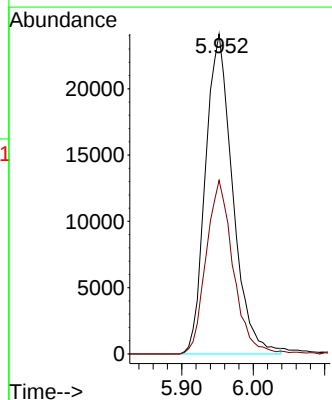
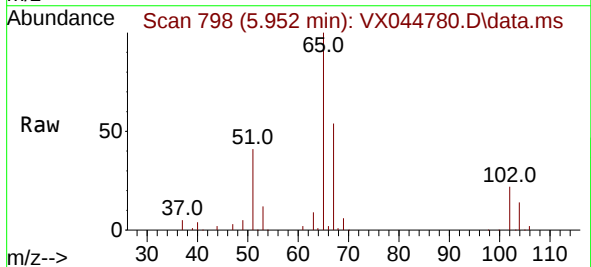
Instrument :
MSVOA_X
ClientSampleId :

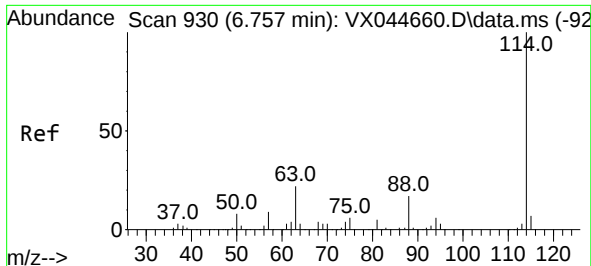
Tgt Ion: 59 Resp: 3779
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 27.263 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

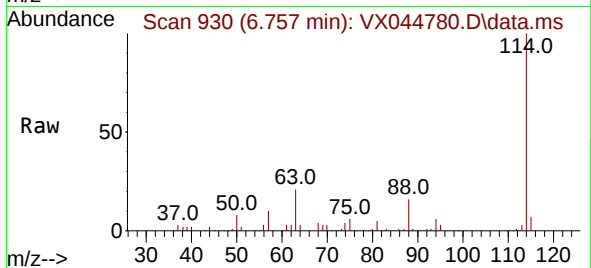
Tgt Ion: 65 Resp: 63658
Ion Ratio Lower Upper
65 100
67 53.7 41.4 62.2



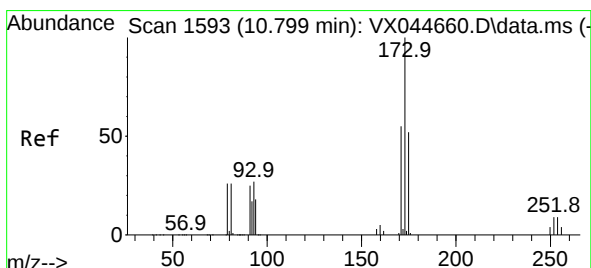
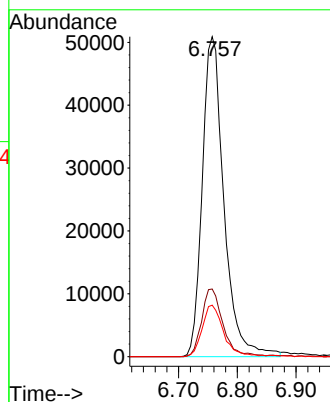
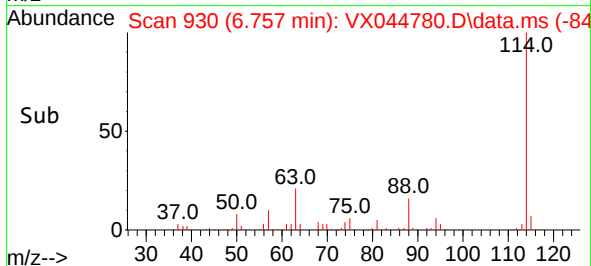


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :

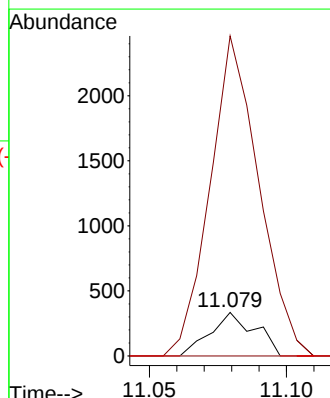
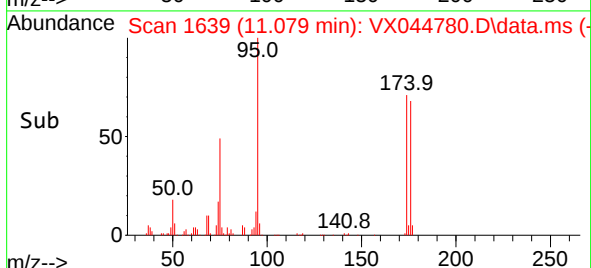
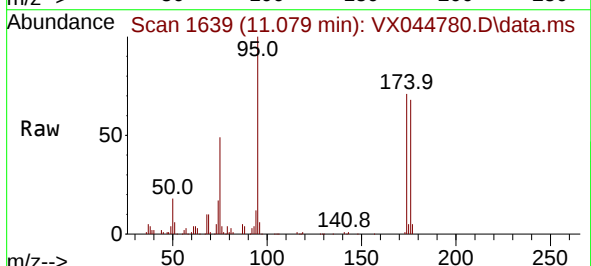


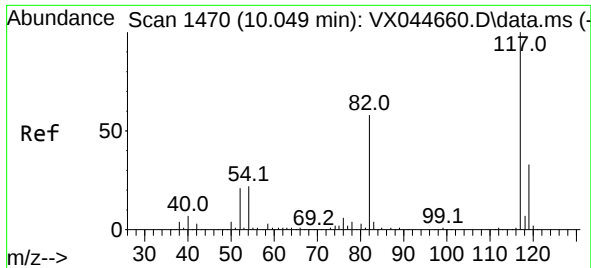
Tgt Ion:114 Resp: 130445
Ion Ratio Lower Upper
114 100
63 20.2 16.6 24.8
88 15.8 13.4 20.2



#56
Bromoform
Concen: 0.278 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

Tgt Ion:173 Resp: 381
Ion Ratio Lower Upper
173 100
175 800.8 39.0 58.6#
254 0.0 6.5 9.7#

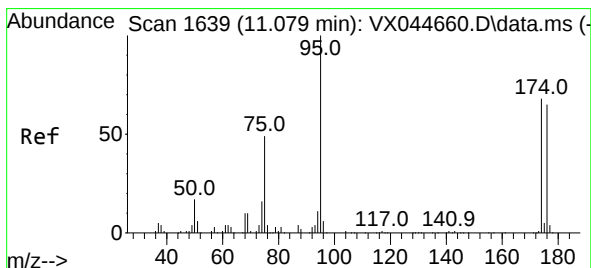
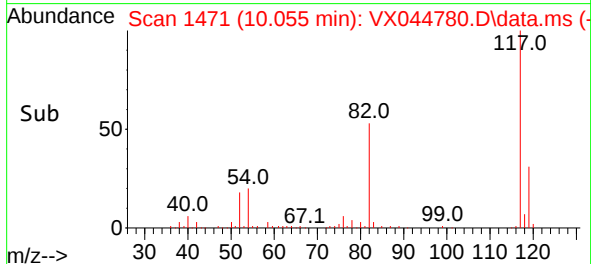
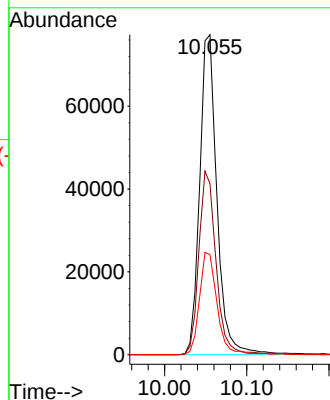
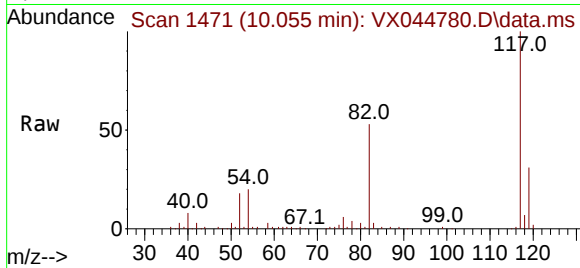




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

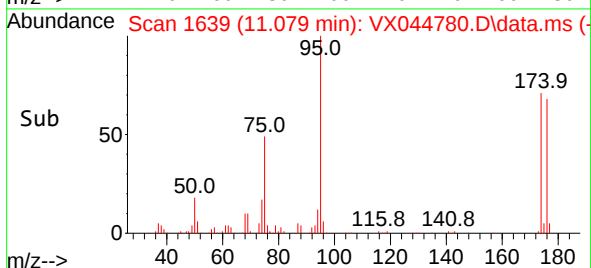
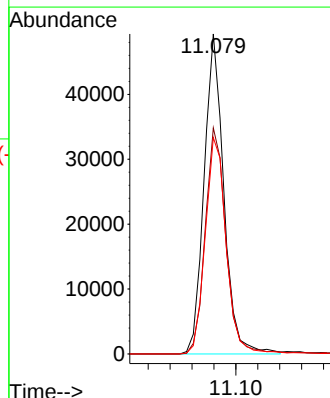
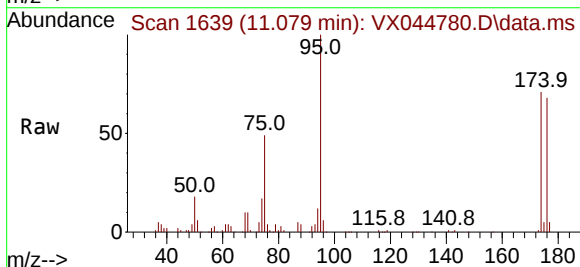
Instrument :
MSVOA_X
ClientSampleId :

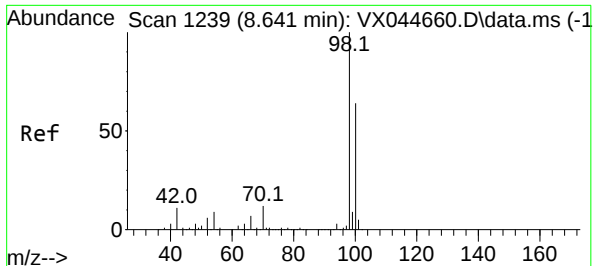
Tgt Ion:117 Resp: 112829
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.6
119 32.3 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.045 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

Tgt Ion: 95 Resp: 61462
Ion Ratio Lower Upper
95 100
174 73.2 54.6 81.8
176 71.7 52.8 79.2

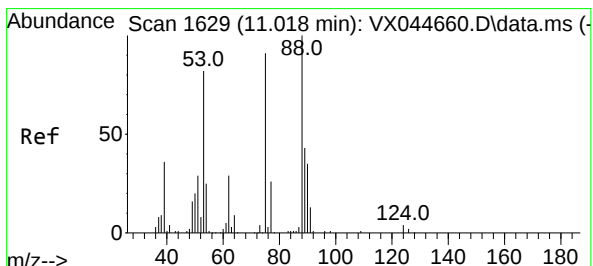
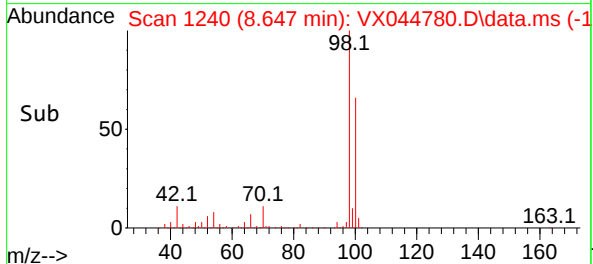
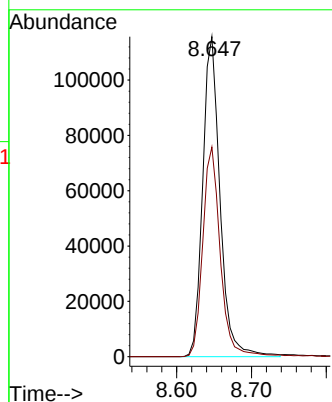
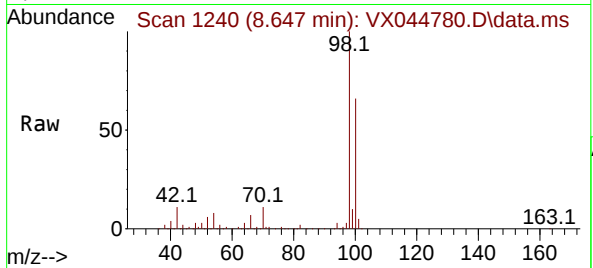




#63
Toluene-d8
Concen: 30.337 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 186168
Ion Ratio Lower Upper
98 100
100 66.0 53.6 80.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.312 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044780.D
Acq: 30 Jan 2025 13:55

Tgt Ion: 75 Resp: 30498
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#

