

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044778.D
 Acq On : 30 Jan 2025 13:09
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 00:42:18 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)

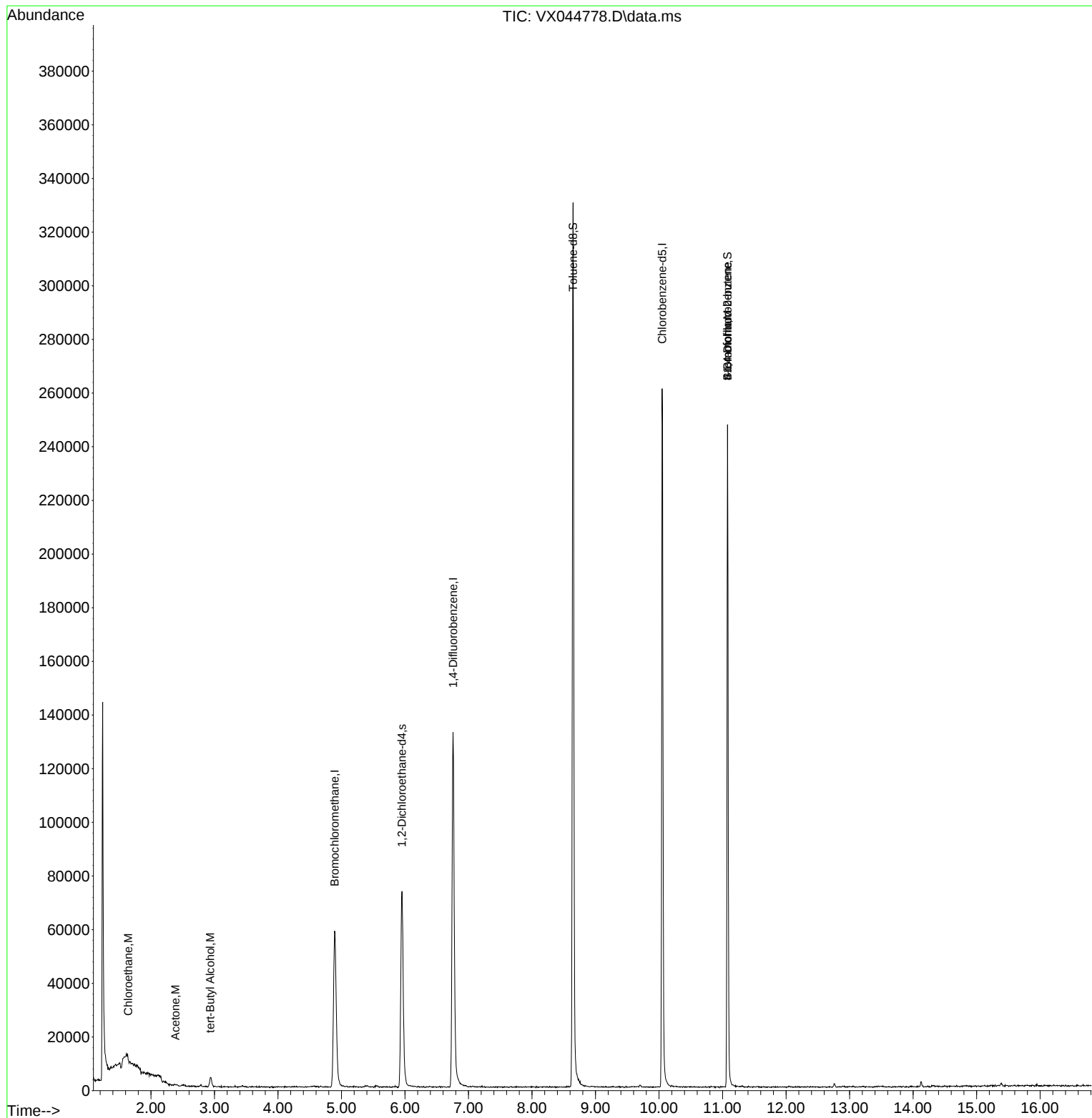
Internal Standards						
1) Bromochloromethane	4.891	128	25464	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	141790	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	125859	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	68007	27.664	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.200%
60) 4-Bromofluorobenzene	11.079	95	67779	27.726	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.433%
63) Toluene-d8	8.647	98	204207	29.831	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.433%
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	999	2.704	ug/l #	49
15) Acetone	2.386	58	73	0.272	ug/l #	1
23) tert-Butyl Alcohol	2.934	59	1192	2.463	ug/l #	100
56) Bromoform	11.079	173	439	0.295	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	34299	30.561	ug/l #	13

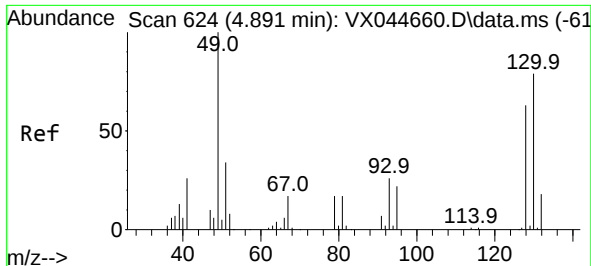
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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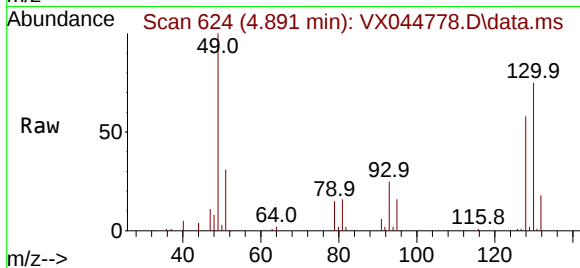
Quant Time: Jan 31 00:42:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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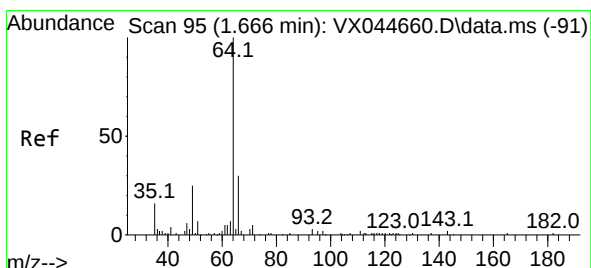
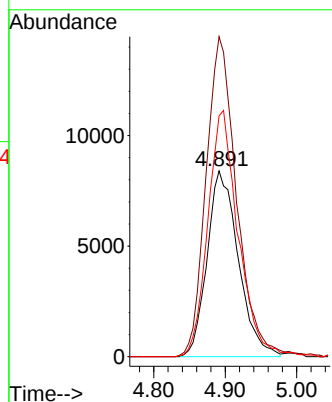
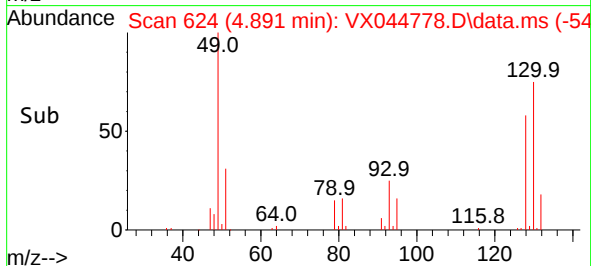


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :

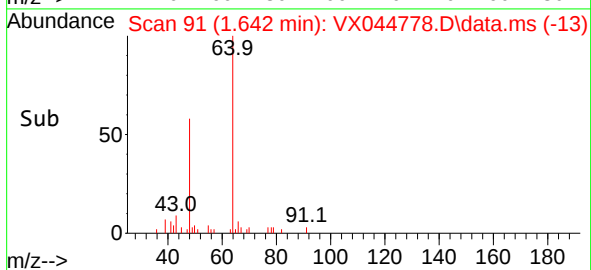
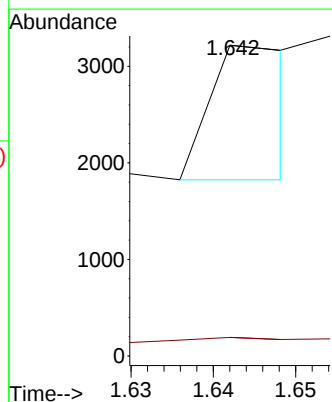
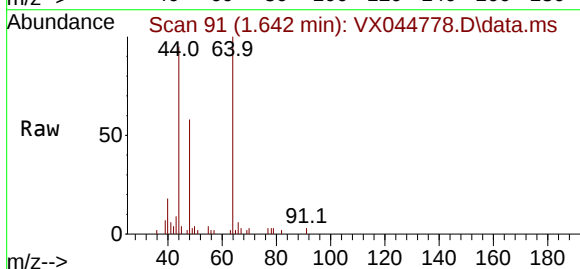


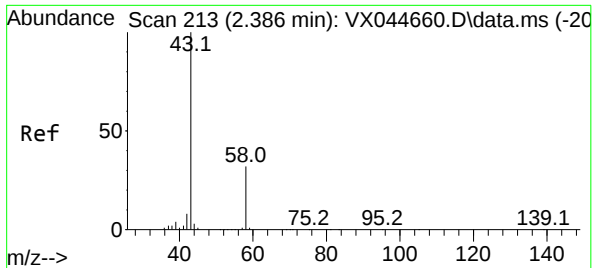
Tgt Ion:128 Resp: 25464
Ion Ratio Lower Upper
128 100
49 168.9 0.0 411.5
130 128.4 0.0 324.3



#6
Chloroethane
Concen: 2.704 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

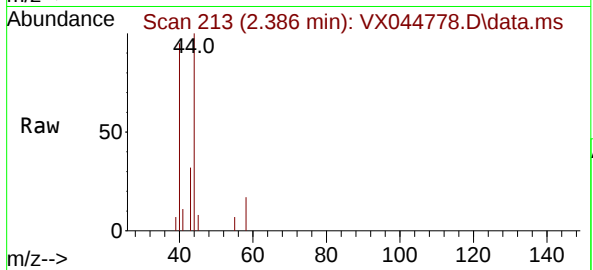
Tgt Ion: 64 Resp: 999
Ion Ratio Lower Upper
64 100
66 1.9 23.8 35.6#



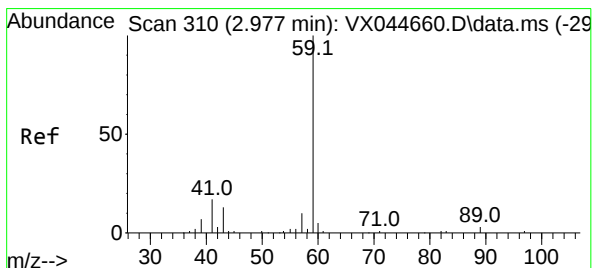
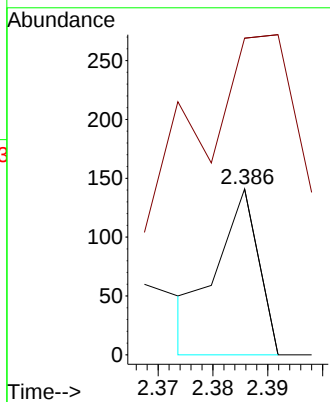
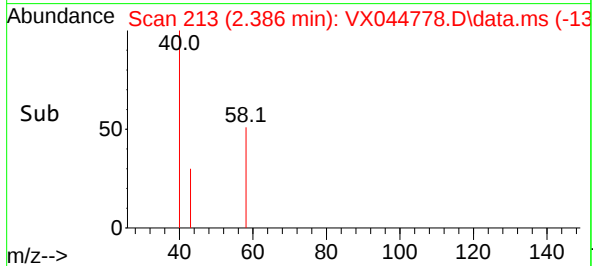


#15
Acetone
Concen: 0.272 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

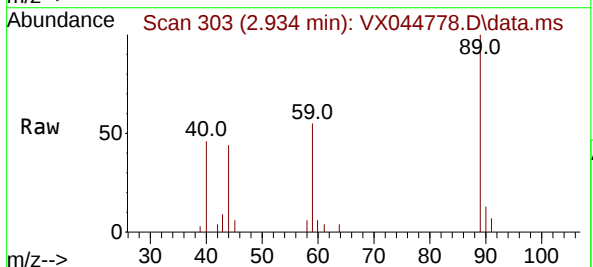
Instrument :
MSVOA_X
ClientSampleId :



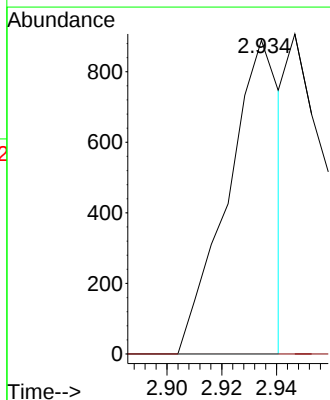
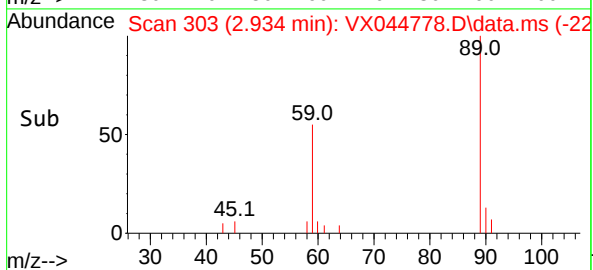
Tgt Ion: 58 Resp: 73
Ion Ratio Lower Upper
58 100
43 38.3 251.0 376.4#

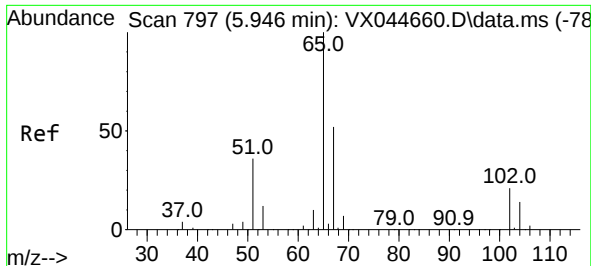


#23
tert-Butyl Alcohol
Concen: 2.463 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09



Tgt Ion: 59 Resp: 1192
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 27.664 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX044778.D

Acq: 30 Jan 2025 13:09

Instrument :

MSVOA_X

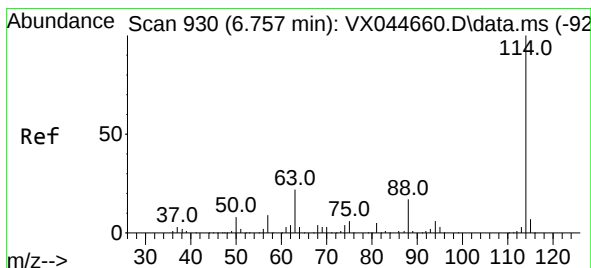
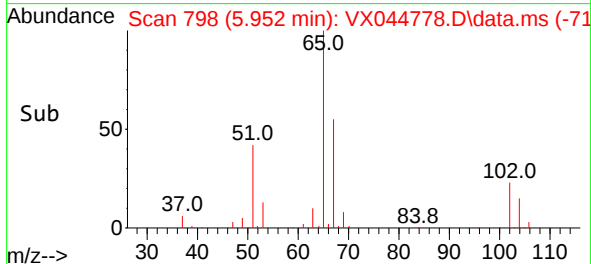
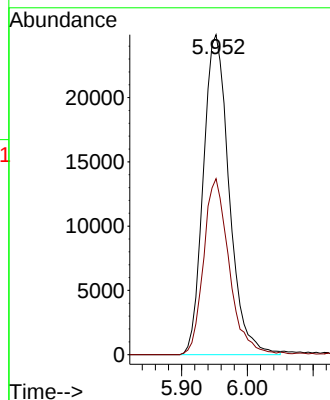
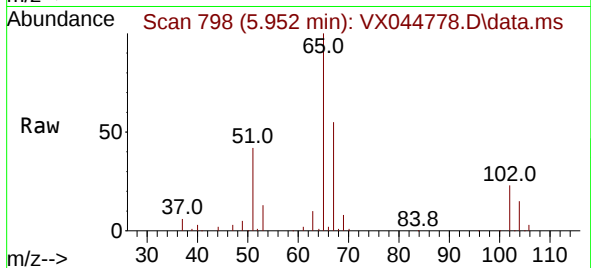
ClientSampleId :

Tgt Ion: 65 Resp: 68007

Ion Ratio Lower Upper

65 100

67 54.2 41.4 62.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044778.D

Acq: 30 Jan 2025 13:09

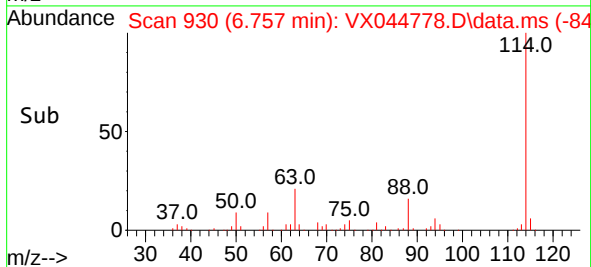
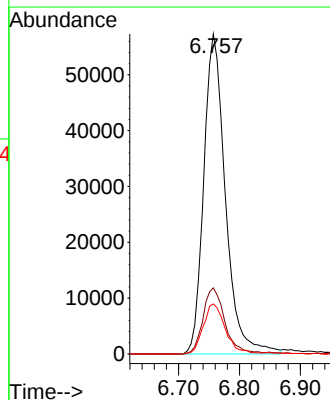
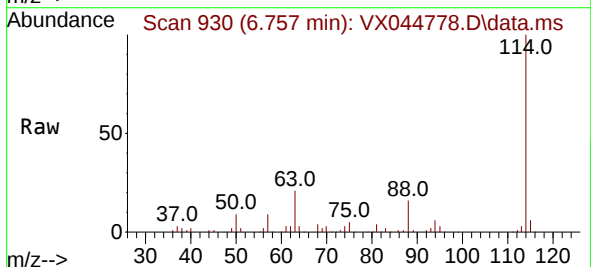
Tgt Ion: 114 Resp: 141790

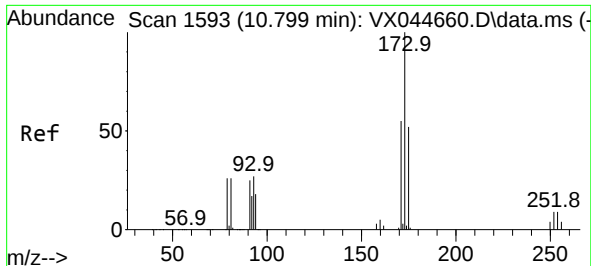
Ion Ratio Lower Upper

114 100

63 20.8 16.6 24.8

88 15.8 13.4 20.2

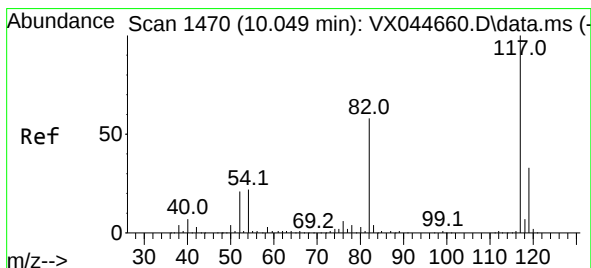
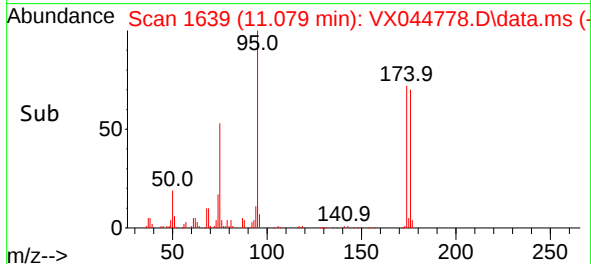
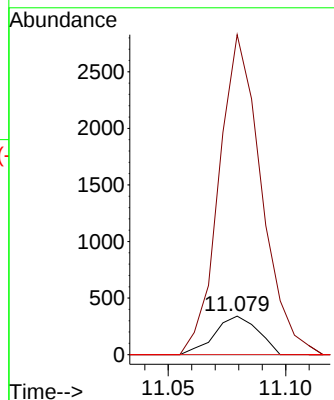
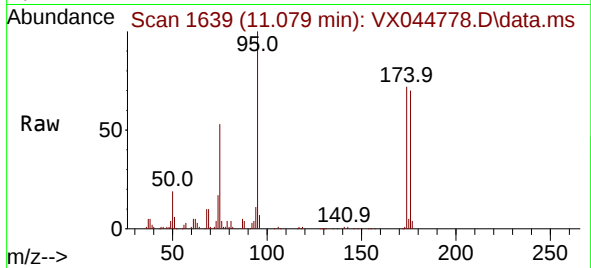




#56
Bromoform
Concen: 0.295 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

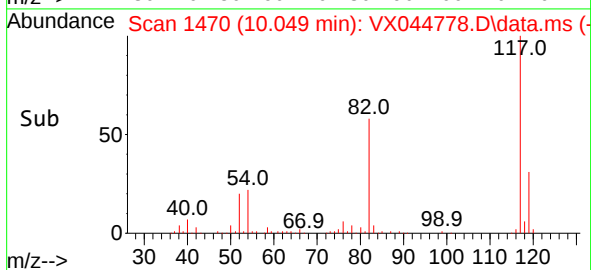
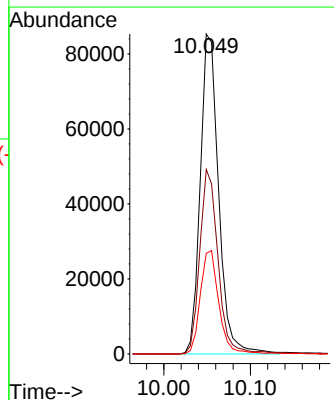
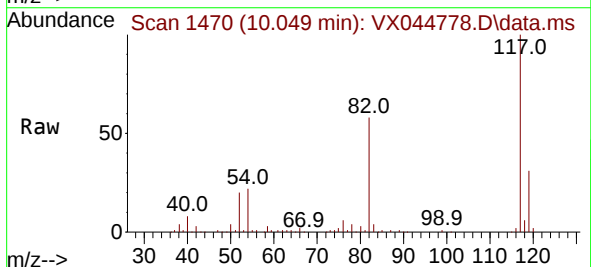
Instrument :
MSVOA_X
ClientSampleId :

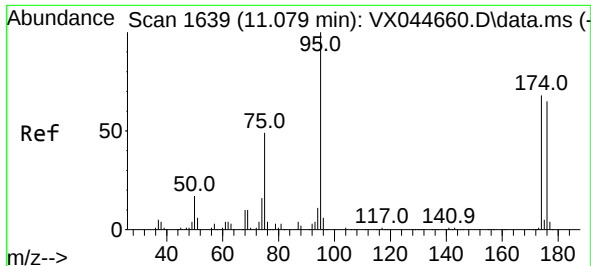
Tgt Ion:173 Resp: 439
Ion Ratio Lower Upper
173 100
175 810.9 39.0 58.6#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

Tgt Ion:117 Resp: 125859
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.6
119 32.4 25.8 38.6

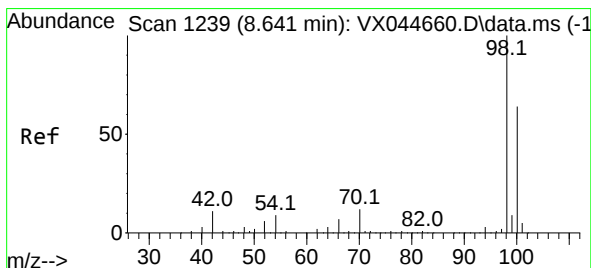
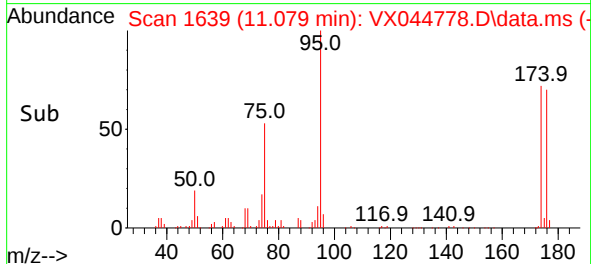
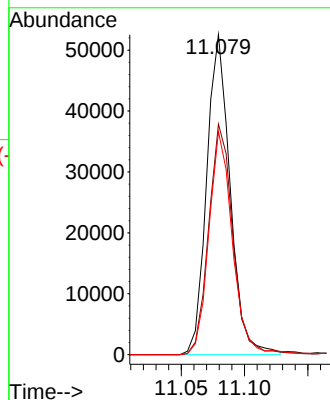
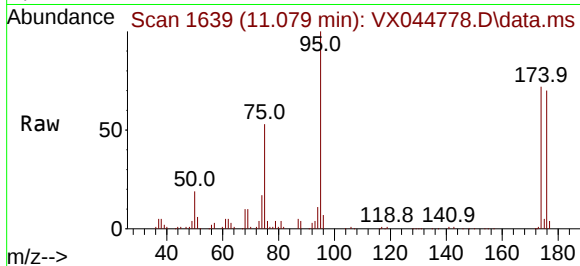




#60
4-Bromofluorobenzene
Concen: 27.726 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

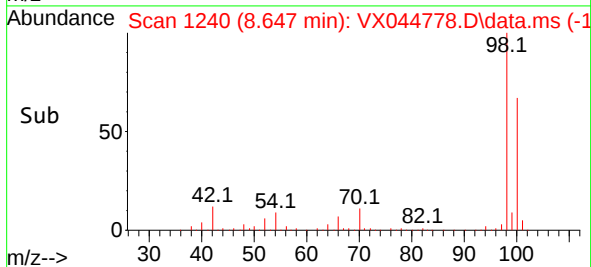
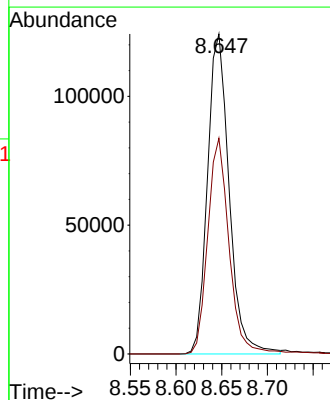
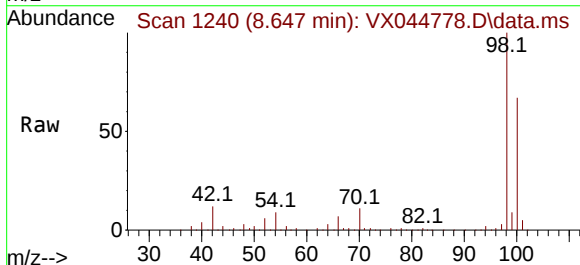
Instrument :
MSVOA_X
ClientSampleId :

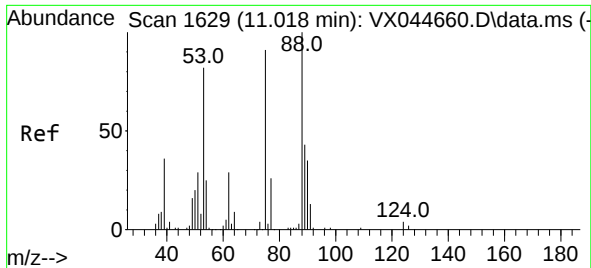
Tgt Ion: 95 Resp: 67779
Ion Ratio Lower Upper
95 100
174 74.4 54.6 81.8
176 69.0 52.8 79.2



#63
Toluene-d8
Concen: 29.831 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044778.D
Acq: 30 Jan 2025 13:09

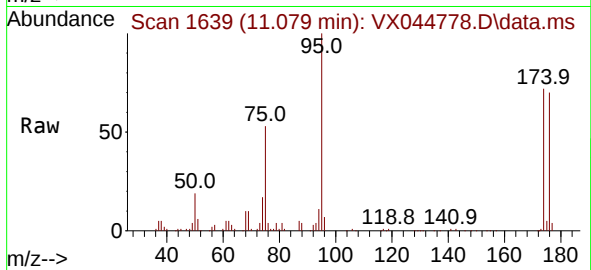
Tgt Ion: 98 Resp: 204207
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.561 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044778.D
 Acq: 30 Jan 2025 13:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 34299
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.3 135.9#
 89 0.0 23.8 71.2#

