

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044772.D
 Acq On : 30 Jan 2025 10:44
 Operator : JC/MD
 Sample : VX0130WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 30 12:09:36 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)

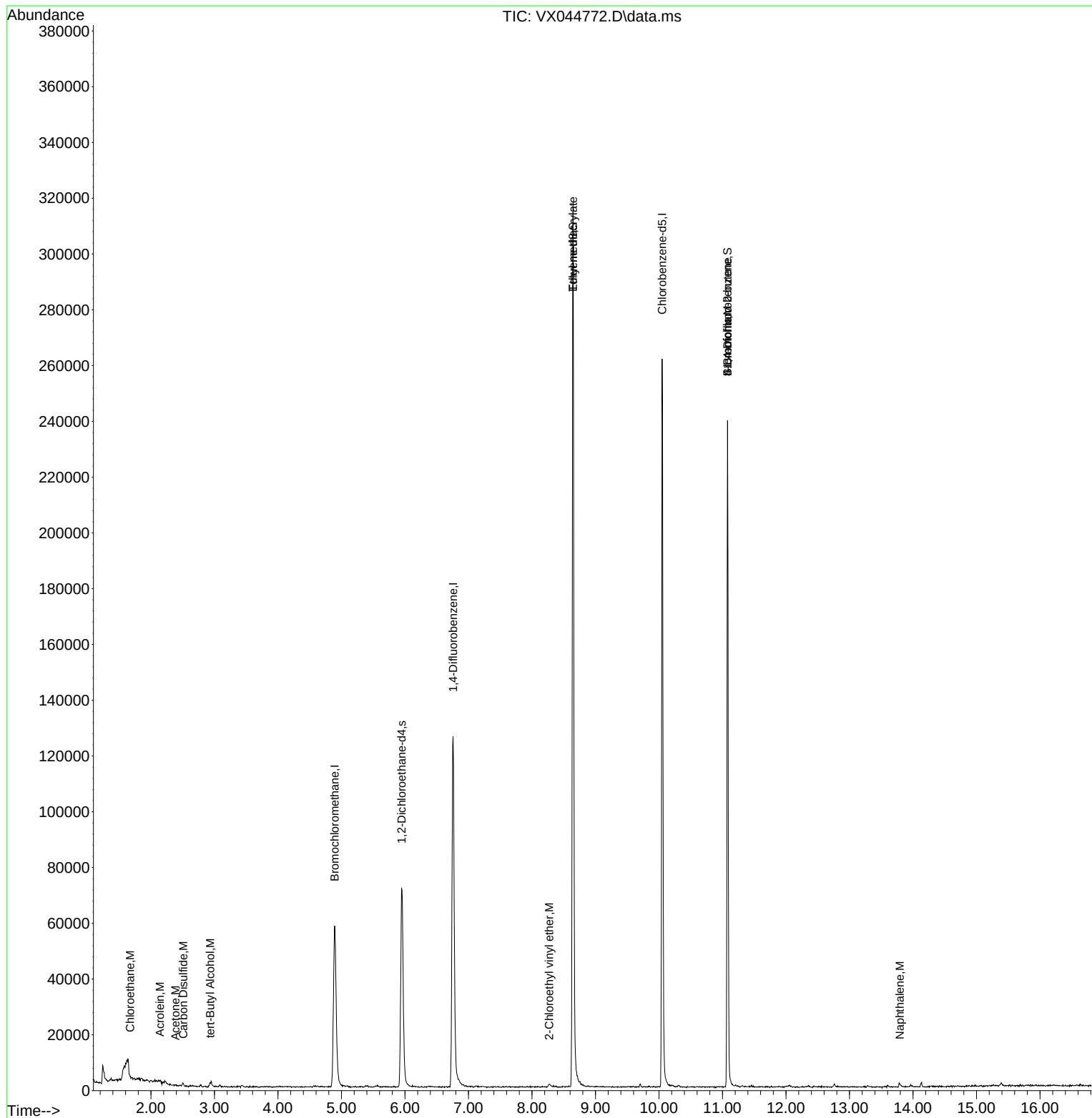
Internal Standards						
1) Bromochloromethane	4.891	128	24468	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	137072	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	123214	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	66920	28.330	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.433%
60) 4-Bromofluorobenzene	11.079	95	65331	27.298	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	8.647	98	201766	30.107	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%
Target Compounds						
					Qvalue	
6) Chloroethane	1.673	64	239	0.673	ug/l #	45
13) Acrolein	2.142	56	65	0.223	ug/l	90
15) Acetone	2.386	58	79	0.306	ug/l #	1
16) Carbon Disulfide	2.508	76	1318	0.262	ug/l	96
23) tert-Butyl Alcohol	2.934	59	589	1.267	ug/l #	93
51) Ethyl methacrylate	8.647	69	674	0.214	ug/l	74
55) 2-Chloroethyl vinyl ether	8.269	63	685	0.447	ug/l #	73
56) Bromoform	11.079	173	359	0.249	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	33025	30.057	ug/l #	13
91) Naphthalene	13.792	128	1798	0.228	ug/l #	92

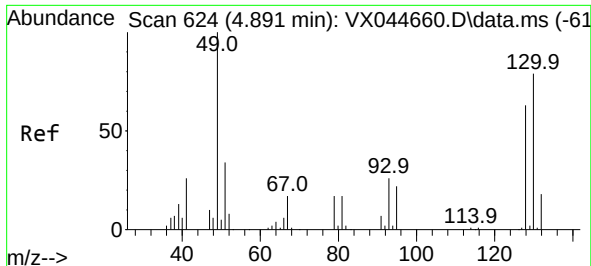
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
Data File : VX044772.D
Acq On : 30 Jan 2025 10:44
Operator : JC/MD
Sample : VX0130WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

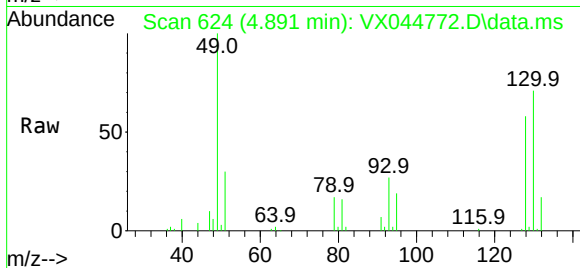
Quant Time: Jan 30 12:09:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



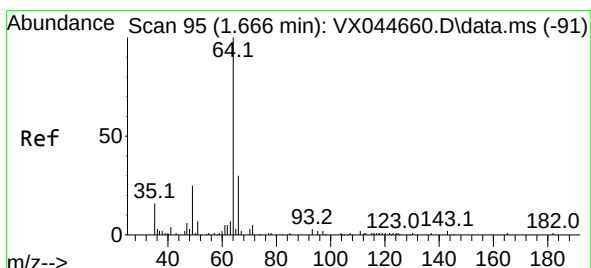
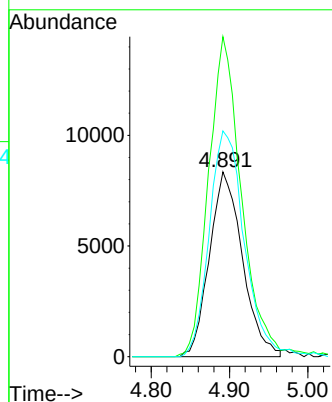
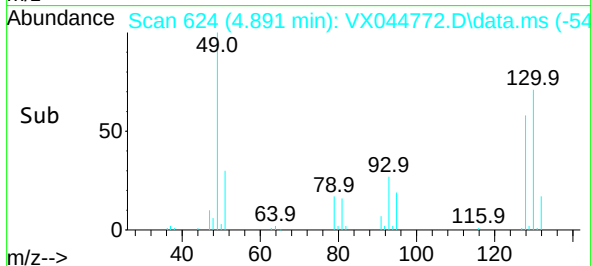


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :

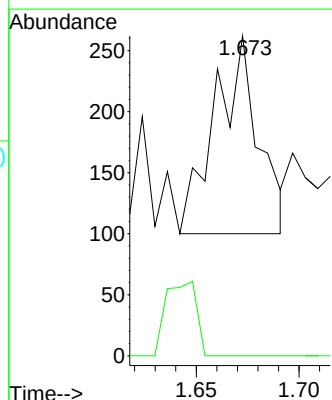
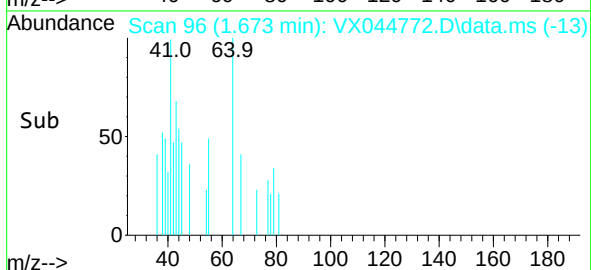
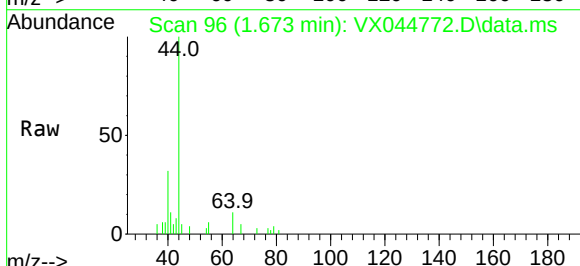


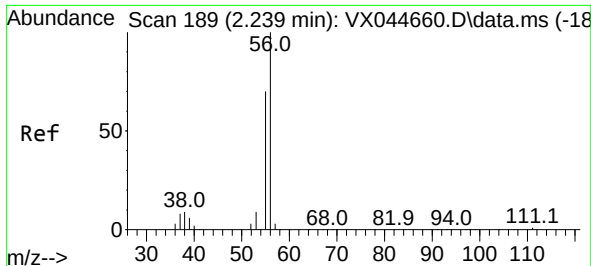
Tgt Ion:128 Resp: 24468
Ion Ratio Lower Upper
128 100
49 170.7 0.0 411.5
130 129.0 0.0 324.3



#6
Chloroethane
Concen: 0.673 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Tgt Ion: 64 Resp: 239
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.6#

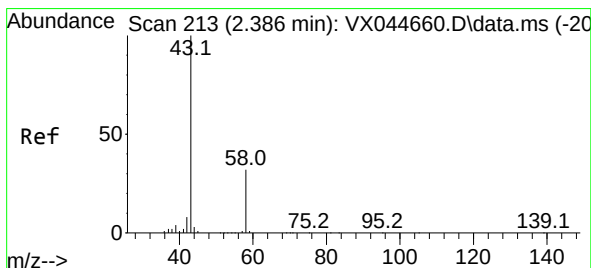
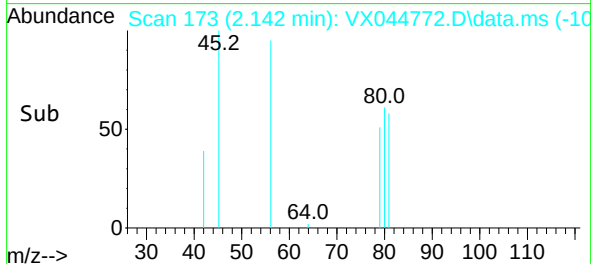
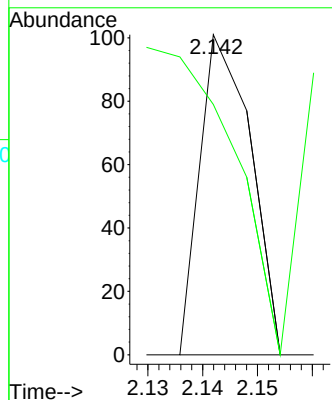
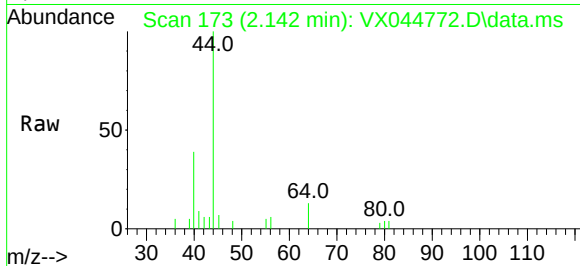




#13
Acrolein
Concen: 0.223 ug/l
RT: 2.142 min Scan# 11
Delta R.T. -0.097 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

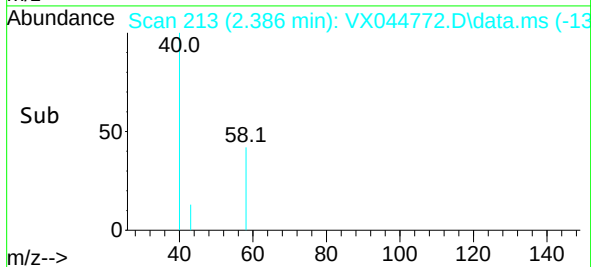
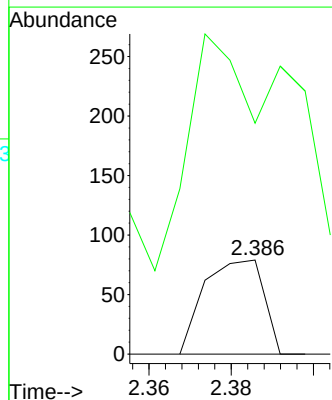
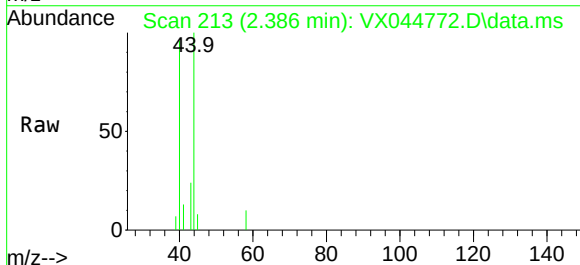
Instrument :
MSVOA_X
ClientSampleId :

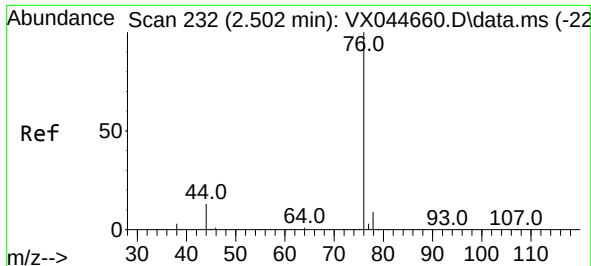
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 80.0 57.5 86.3



#15
Acetone
Concen: 0.306 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Tgt Ion: 58 Resp: 79
Ion Ratio Lower Upper
58 100
43 69.6 251.0 376.4#

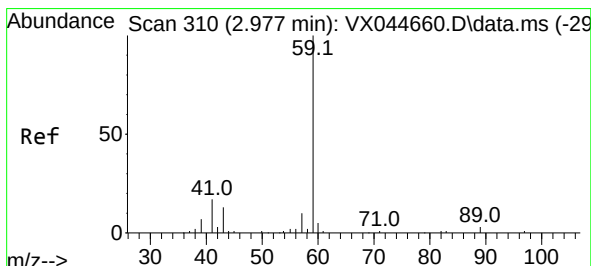
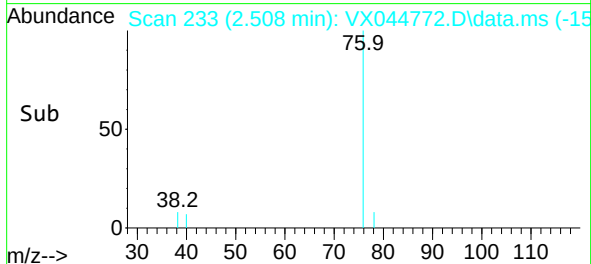
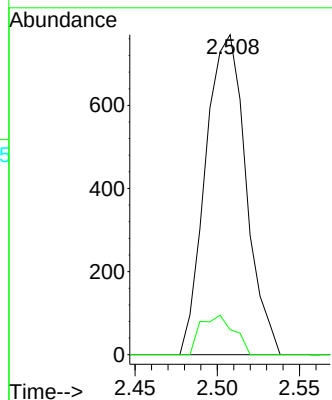
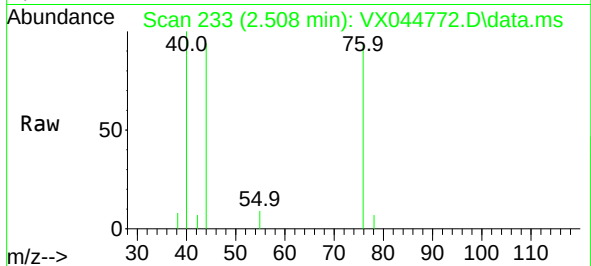




#16
Carbon Disulfide
Concen: 0.262 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

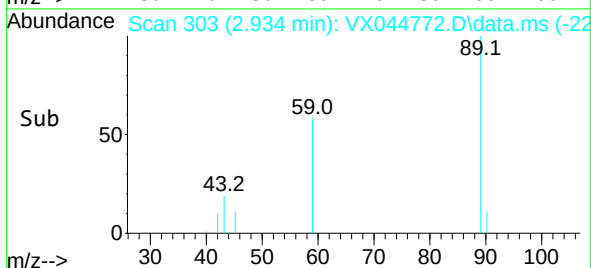
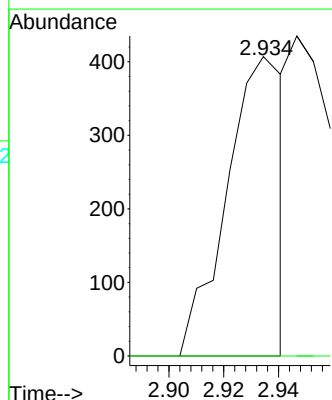
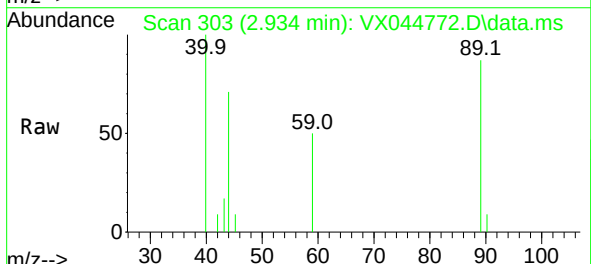
Instrument :
MSVOA_X
ClientSampleId :

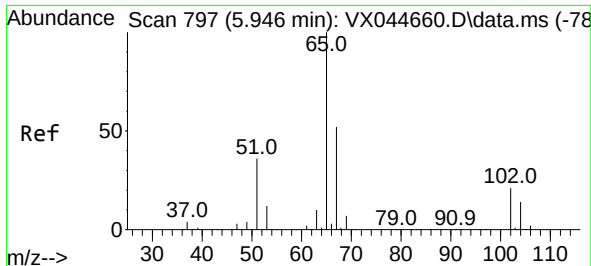
Tgt Ion: 76 Resp: 1318
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9



#23
tert-Butyl Alcohol
Concen: 1.267 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Tgt Ion: 59 Resp: 589
Ion Ratio Lower Upper
59 100
52 16.5 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 28.330 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044772.D

Acq: 30 Jan 2025 10:44

Instrument :

MSVOA_X

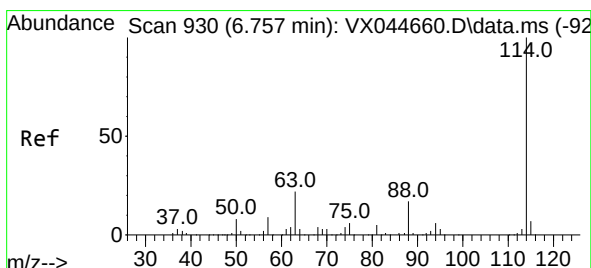
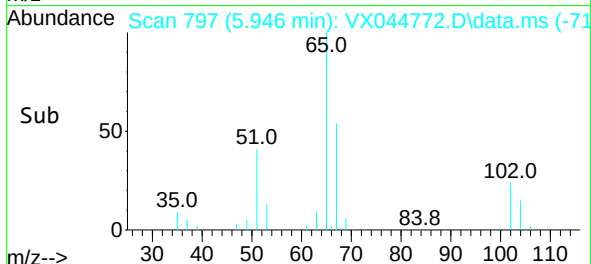
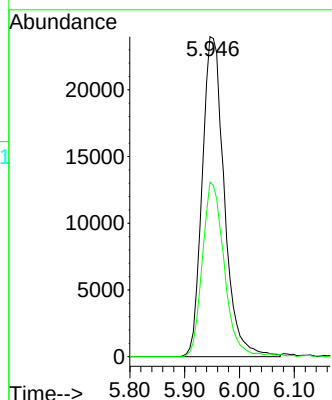
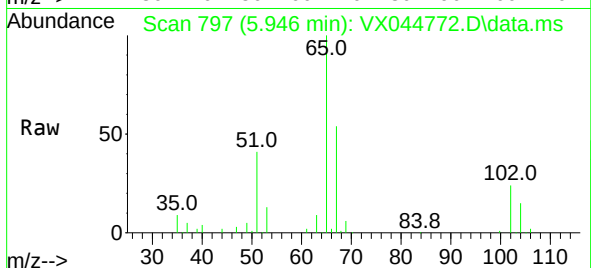
ClientSampleId :

Tgt Ion: 65 Resp: 66920

Ion Ratio Lower Upper

65 100

67 53.4 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: VX044772.D

Acq: 30 Jan 2025 10:44

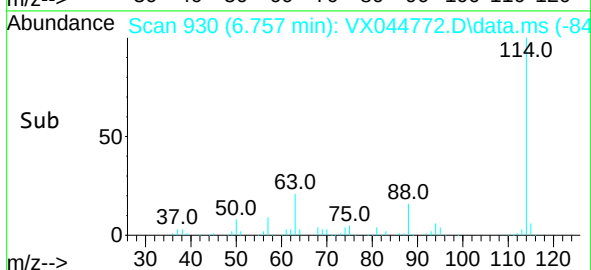
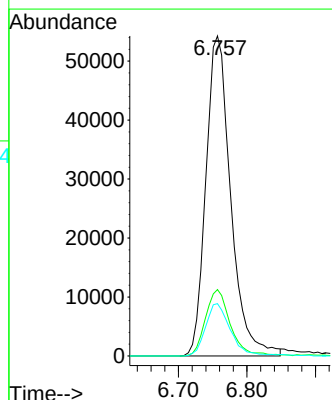
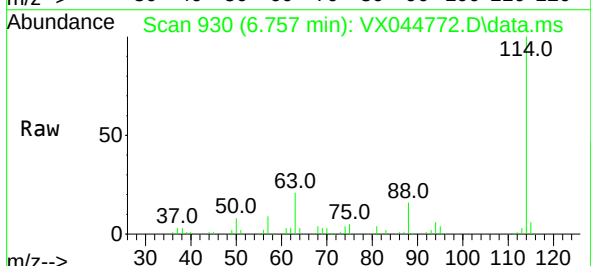
Tgt Ion: 114 Resp: 137072

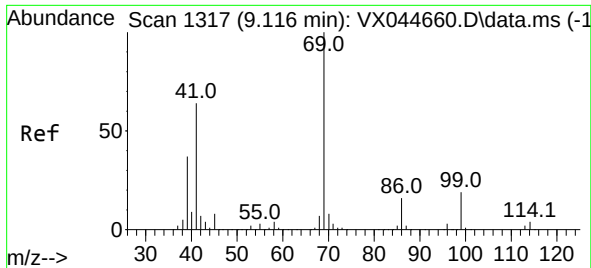
Ion Ratio Lower Upper

114 100

63 20.1 16.6 24.8

88 16.3 13.4 20.2

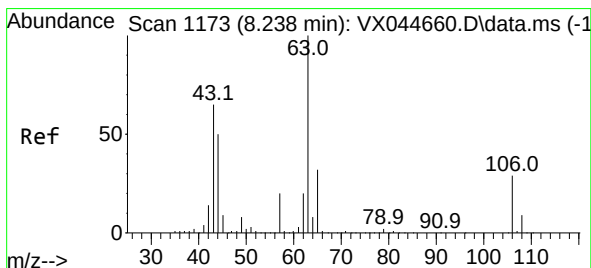
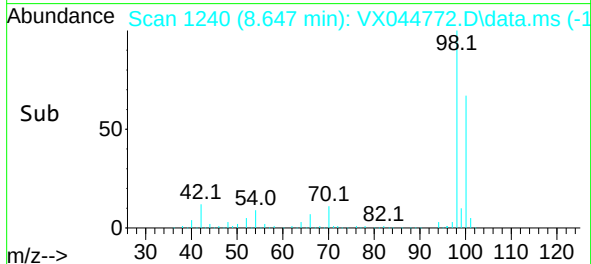
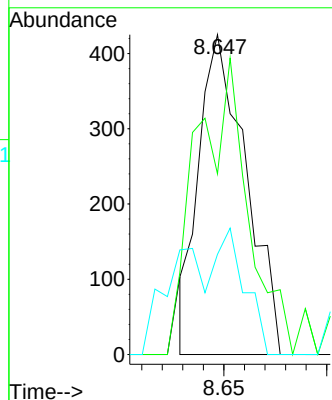
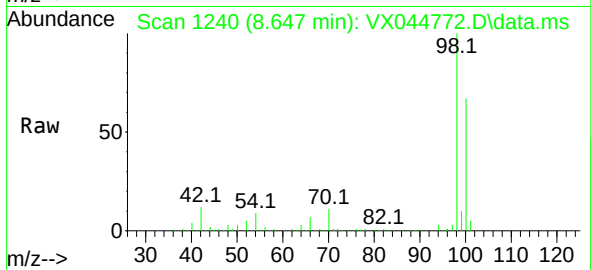




#51
Ethyl methacrylate
Concen: 0.214 ug/l
RT: 8.647 min Scan# 1178
Delta R.T. -0.469 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

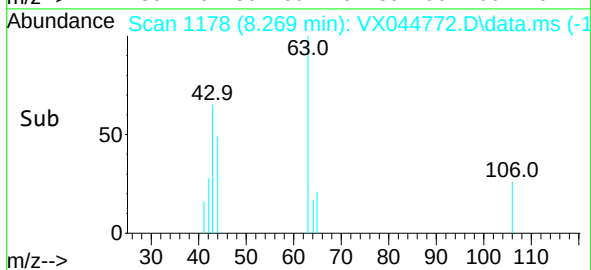
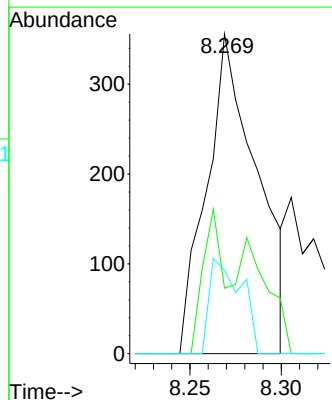
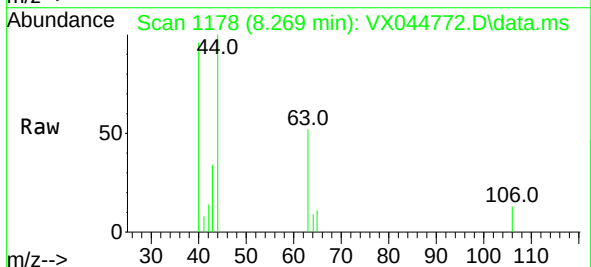
Instrument :
MSVOA_X
ClientSampleId :

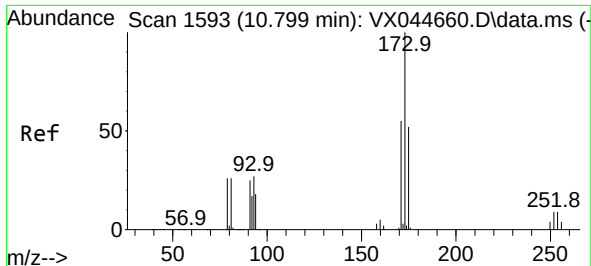
Tgt Ion: 69 Resp: 674
Ion Ratio Lower Upper
69 100
41 36.2 32.0 96.0
39 31.3 18.6 55.6



#55
2-Chloroethyl vinyl ether
Concen: 0.447 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.031 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

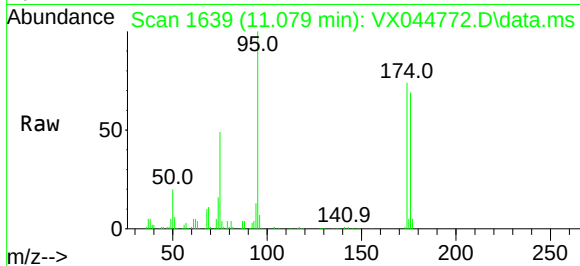
Tgt Ion: 63 Resp: 685
Ion Ratio Lower Upper
63 100
65 17.5 25.8 38.6#
106 14.3 23.1 34.7#



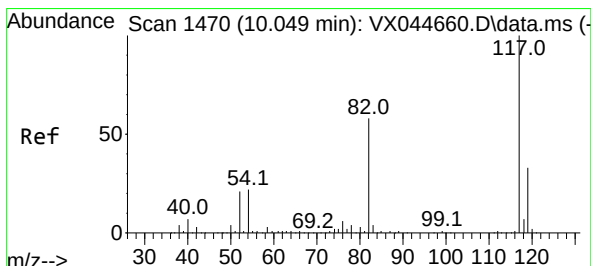
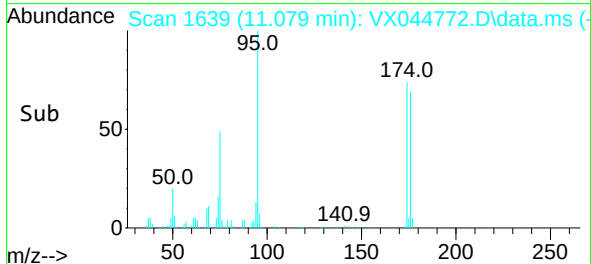
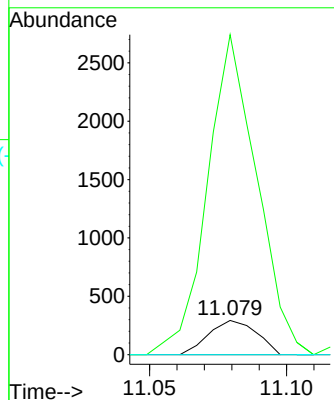


#56
Bromoform
Concen: 0.249 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :

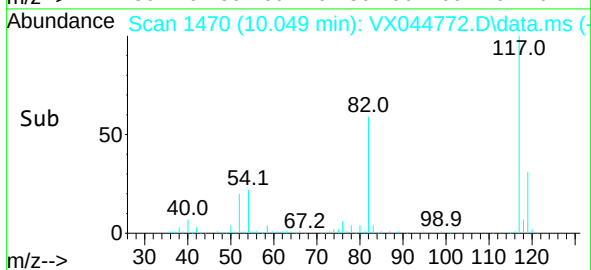
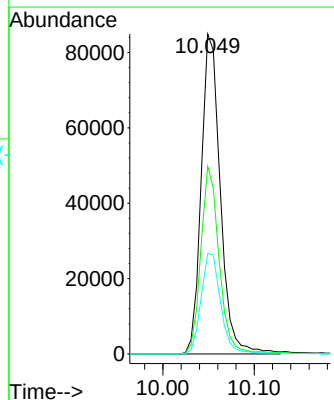
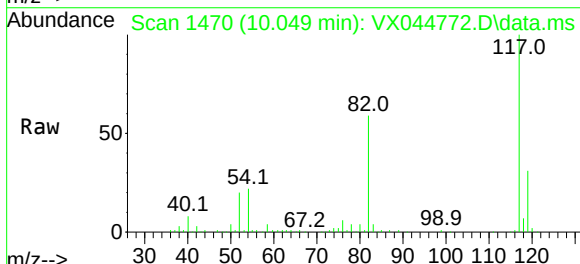


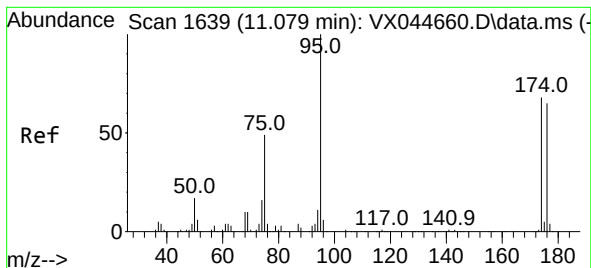
Tgt Ion:173 Resp: 359
Ion Ratio Lower Upper
173 100
175 958.8 39.0 58.6#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Tgt Ion:117 Resp: 123214
Ion Ratio Lower Upper
117 100
82 55.5 45.8 68.6
119 32.3 25.8 38.6

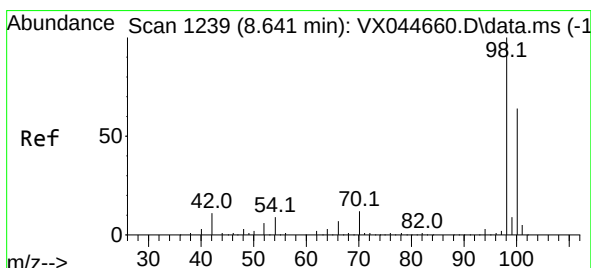
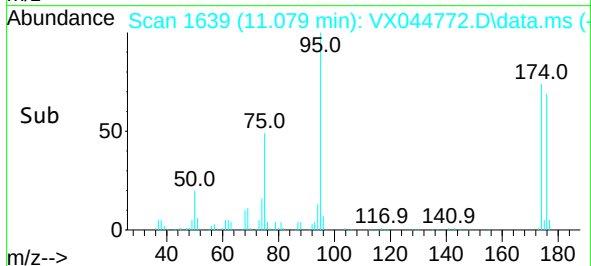
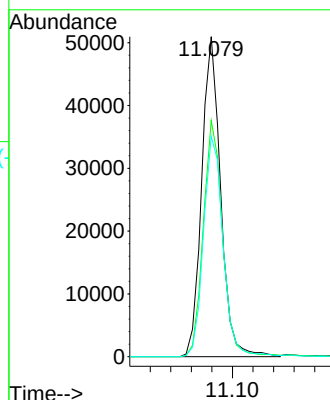
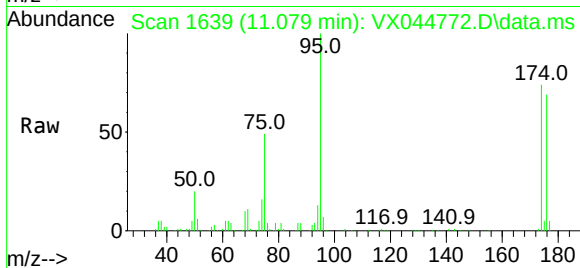




#60
4-Bromofluorobenzene
Concen: 27.298 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

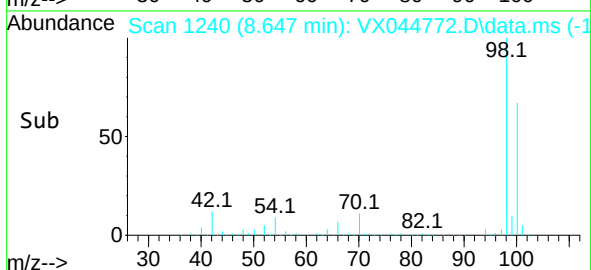
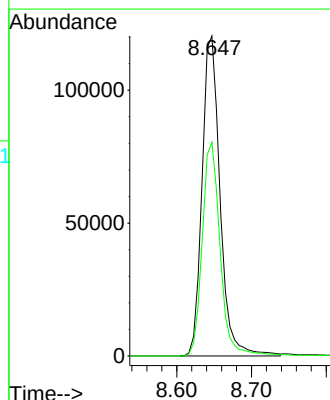
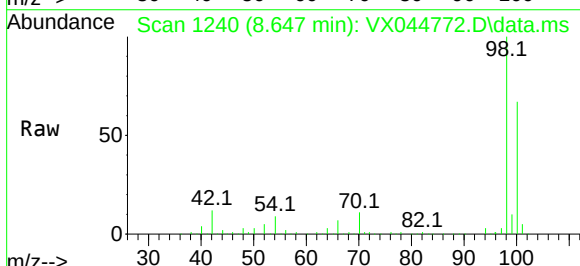
Instrument :
MSVOA_X
ClientSampleId :

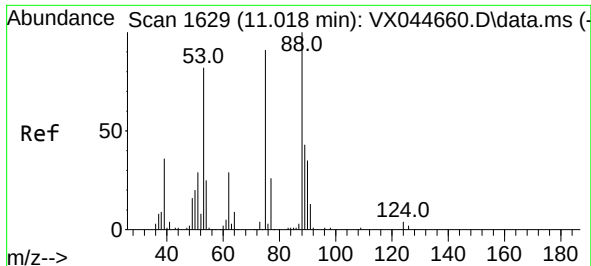
Tgt Ion: 95 Resp: 65331
Ion Ratio Lower Upper
95 100
174 74.3 54.6 81.8
176 71.3 52.8 79.2



#63
Toluene-d8
Concen: 30.107 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Tgt Ion: 98 Resp: 201766
Ion Ratio Lower Upper
98 100
100 66.1 53.6 80.4

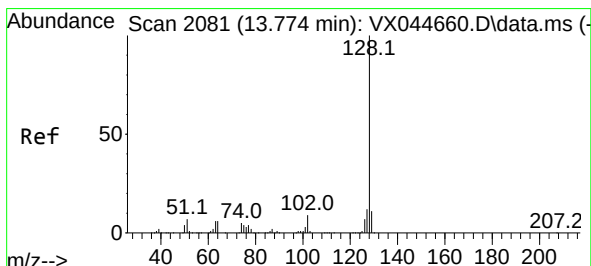
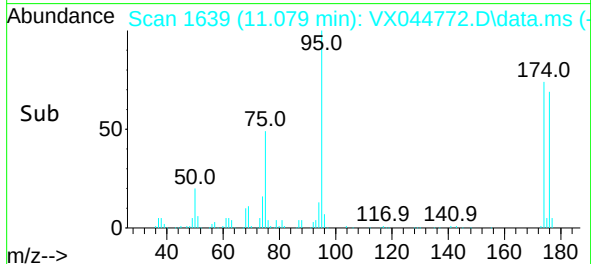
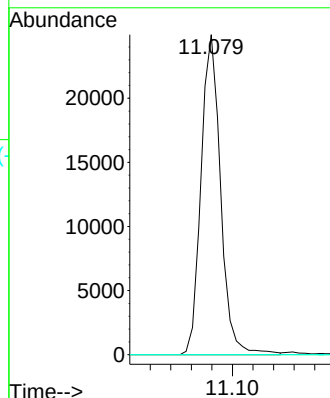
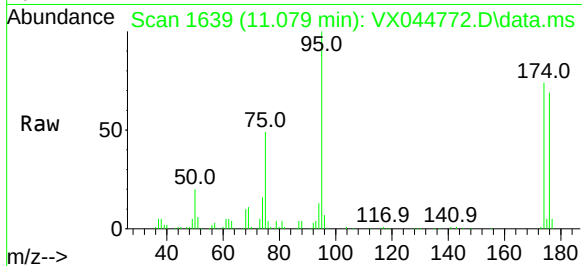




#77
t-1,4-Dichloro-2-butene
Concen: 30.057 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33025
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#



#91
Naphthalene
Concen: 0.228 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX044772.D
Acq: 30 Jan 2025 10:44

Tgt Ion: 128 Resp: 1798
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 4.8 9.0 13.6#

