

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
 Data File : VX044702.D
 Acq On : 23 Jan 2025 10:18
 Operator : JC/MD
 Sample : VX0123WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 24 03:15:04 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)

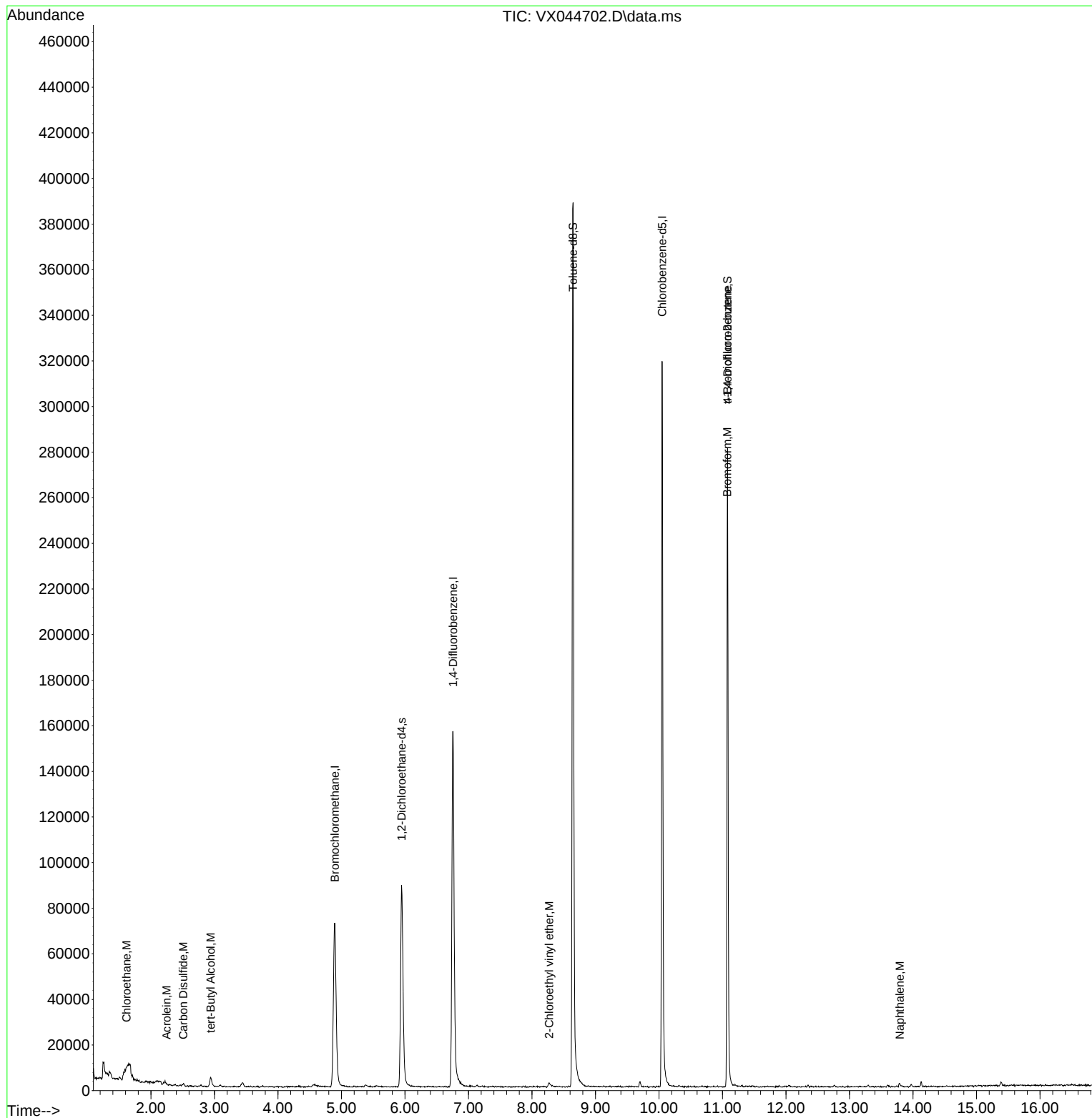
Internal Standards						
1) Bromochloromethane	4.898	128	30850	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	168575	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	149390	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	83253	27.954	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.167%
60) 4-Bromofluorobenzene	11.079	95	80591	27.774	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.567%
63) Toluene-d8	8.647	98	252659	31.095	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.667%
Target Compounds						
					Qvalue	
6) Chloroethane	1.618	64	290	0.648	ug/l	93
13) Acrolein	2.246	56	107	0.291	ug/l	88
16) Carbon Disulfide	2.508	76	1389	0.219	ug/l #	94
23) tert-Butyl Alcohol	2.941	59	2610	4.452	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.269	63	899	0.478	ug/l #	87
56) Bromoform	11.073	173	440	0.249	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	40498	30.400	ug/l #	13
91) Naphthalene	13.792	128	1942	0.203	ug/l #	95

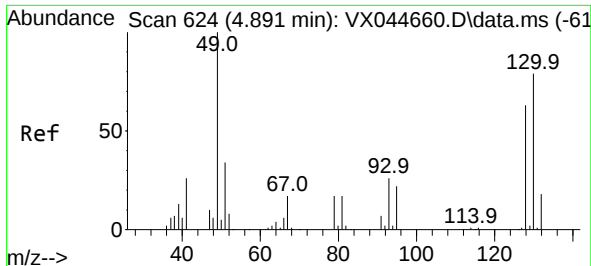
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
Data File : VX044702.D
Acq On : 23 Jan 2025 10:18
Operator : JC/MD
Sample : VX0123WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

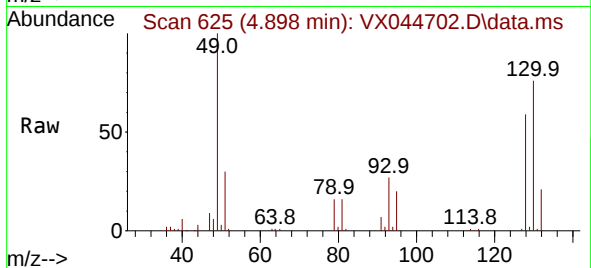
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



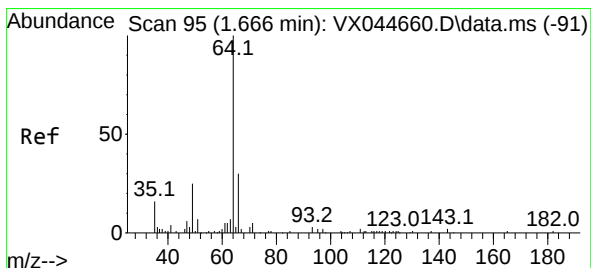
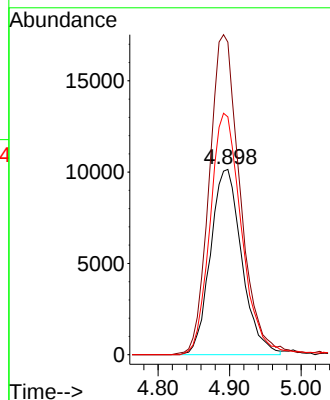
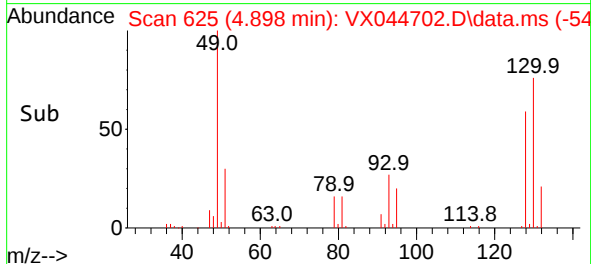


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :

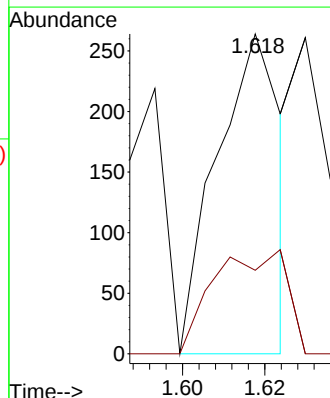
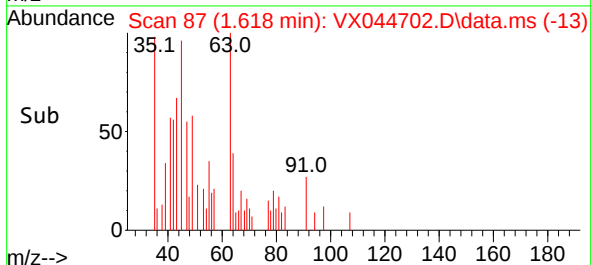
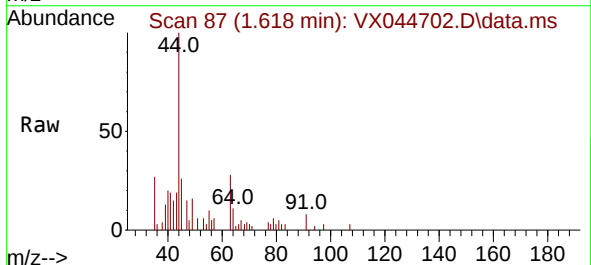


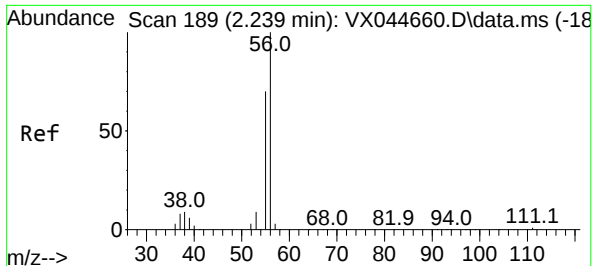
Tgt Ion:128 Resp: 30850
Ion Ratio Lower Upper
128 100
49 170.5 0.0 411.5
130 131.4 0.0 324.3



#6
Chloroethane
Concen: 0.648 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.049 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 26.1 23.8 35.6

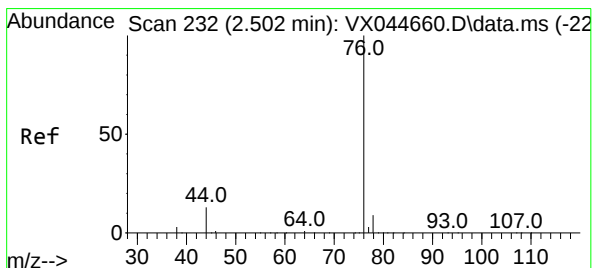
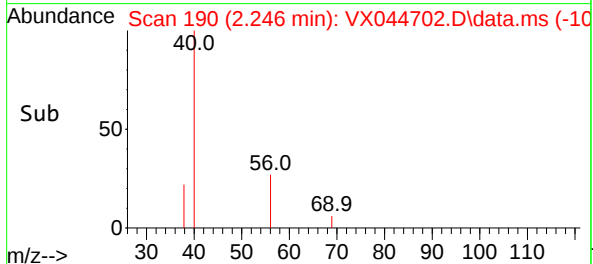
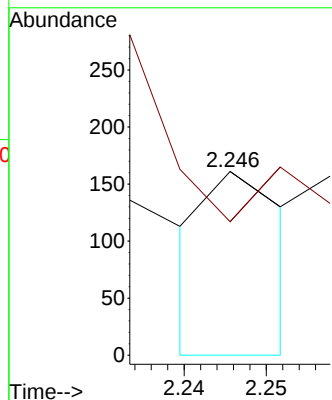
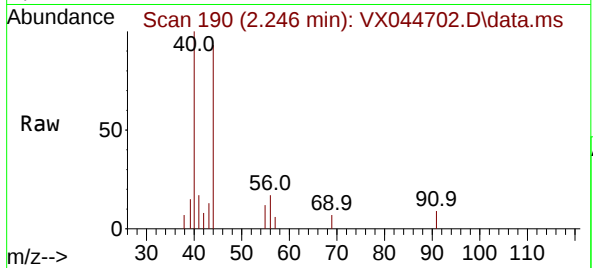




#13
Acrolein
Concen: 0.291 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

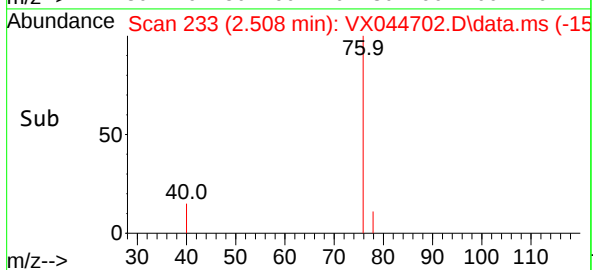
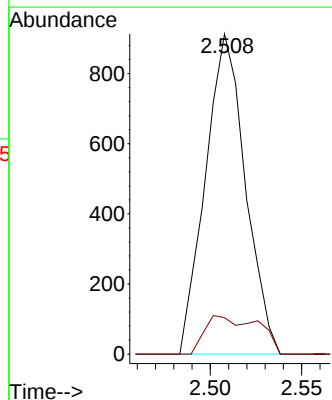
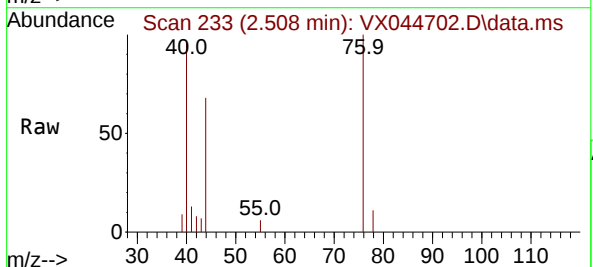
Instrument :
MSVOA_X
ClientSampleId :

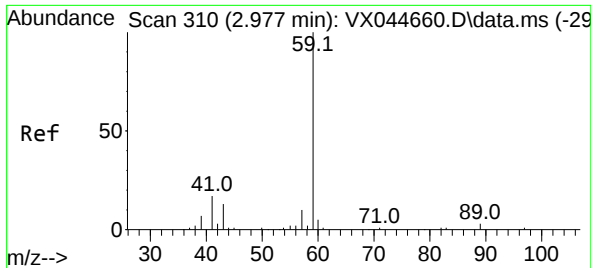
Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 82.2 57.5 86.3



#16
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Tgt Ion: 76 Resp: 1389
Ion Ratio Lower Upper
76 100
78 11.4 7.3 10.9#

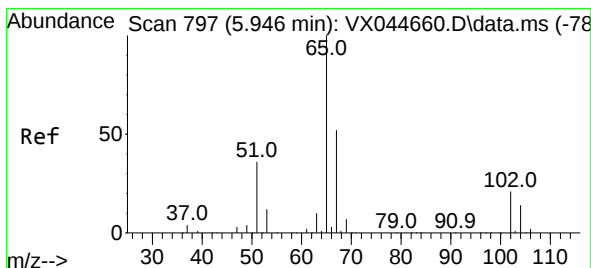
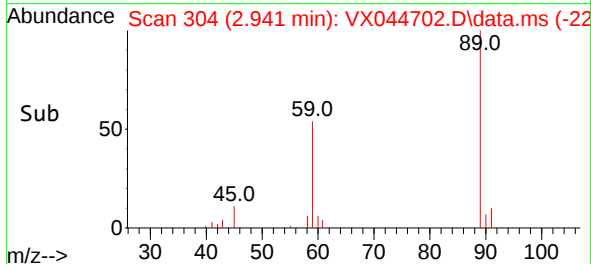
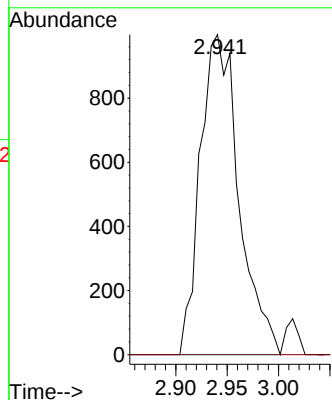
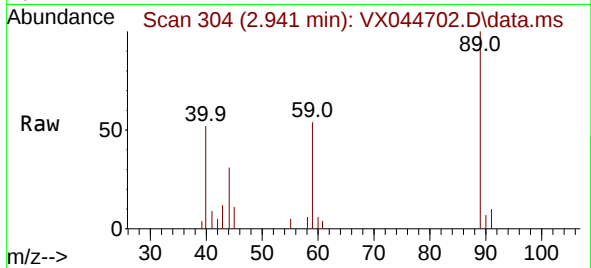




#23
tert-Butyl Alcohol
Concen: 4.452 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

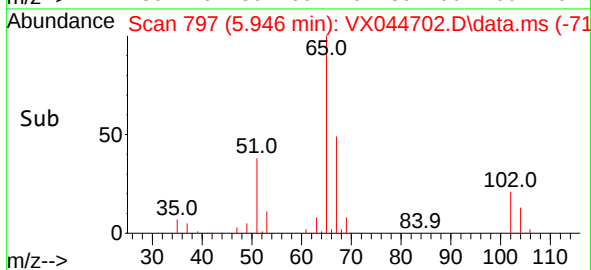
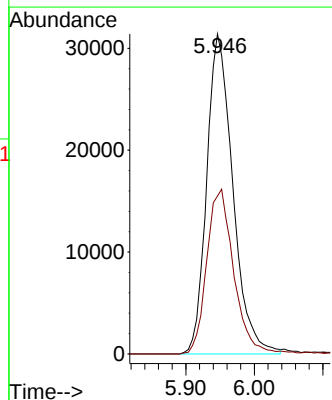
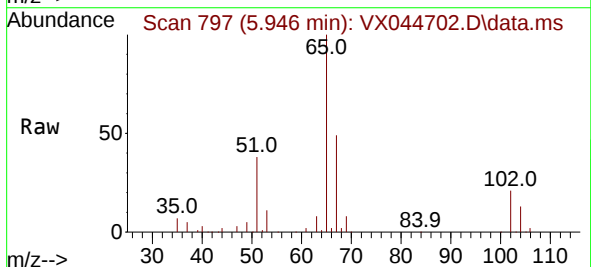
Instrument :
MSVOA_X
ClientSampleId :

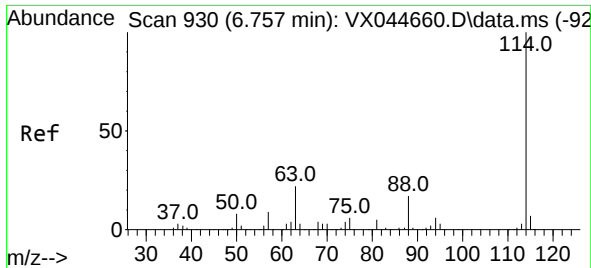
Tgt Ion: 59 Resp: 2610
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 27.954 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Tgt Ion: 65 Resp: 83253
Ion Ratio Lower Upper
65 100
67 52.8 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: VX044702.D

Acq: 23 Jan 2025 10:18

Instrument :

MSVOA_X

ClientSampleId :

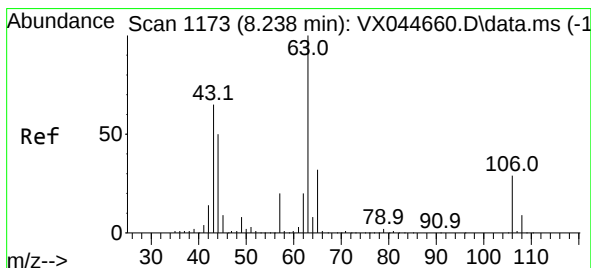
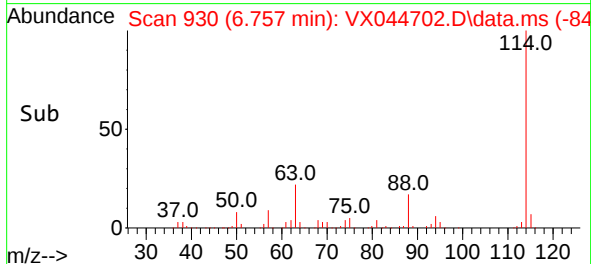
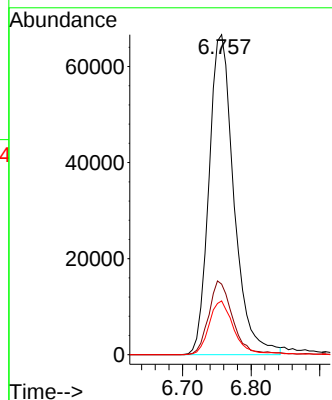
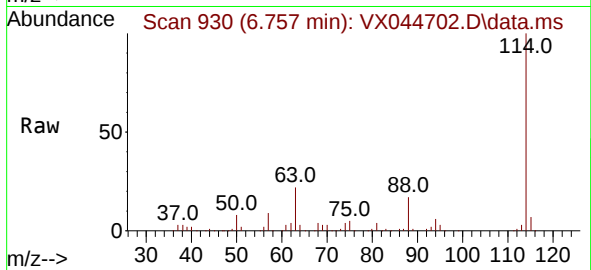
Tgt Ion:114 Resp: 168575

Ion Ratio Lower Upper

114 100

63 22.3 16.6 24.8

88 16.7 13.4 20.2



#55

2-Chloroethyl vinyl ether

Concen: 0.478 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.031 min

Lab File: VX044702.D

Acq: 23 Jan 2025 10:18

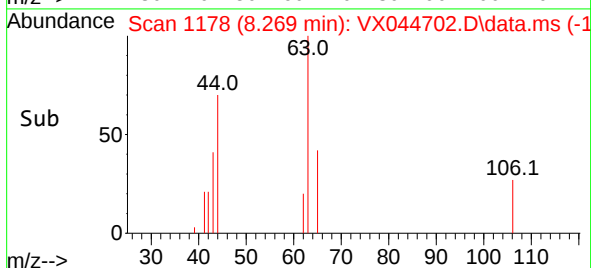
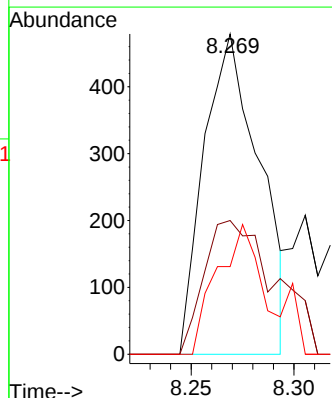
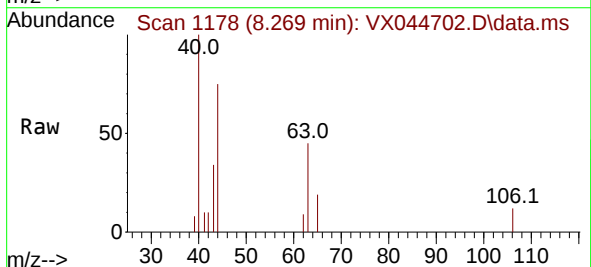
Tgt Ion: 63 Resp: 899

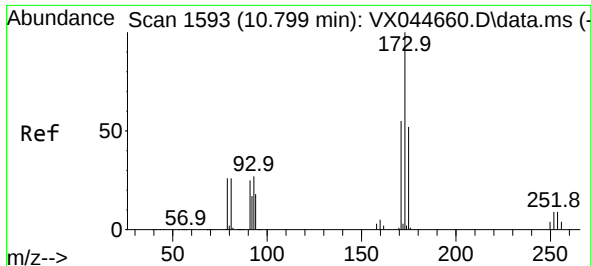
Ion Ratio Lower Upper

63 100

65 41.6 25.8 38.6#

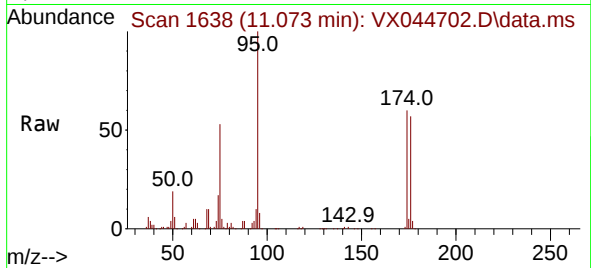
106 33.0 23.1 34.7



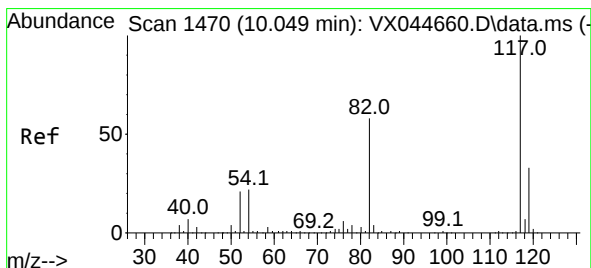
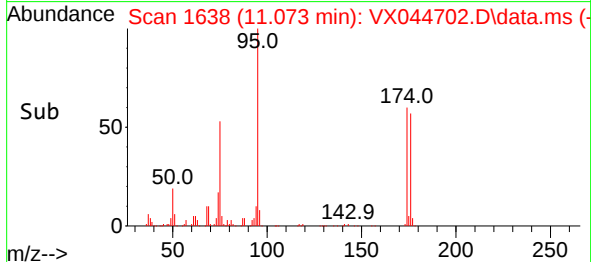
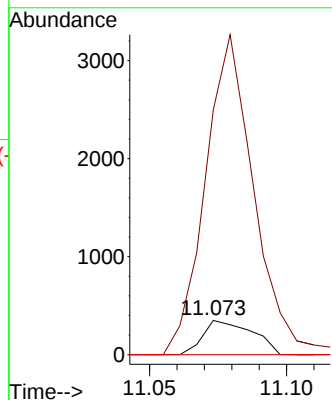


#56
Bromoform
Concen: 0.249 ug/l
RT: 11.073 min Scan# 1
Delta R.T. 0.274 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :

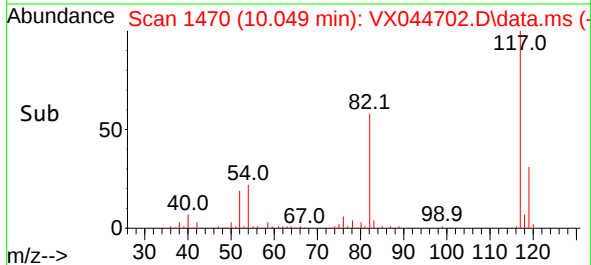
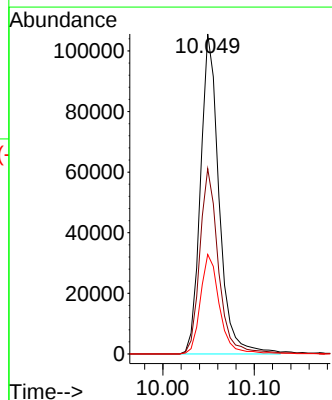
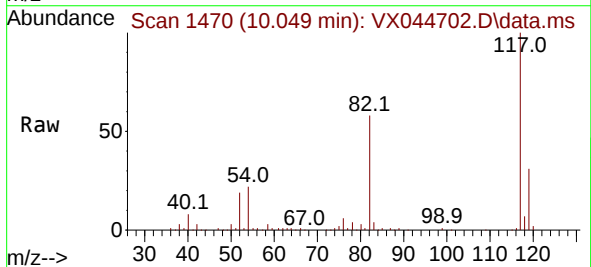


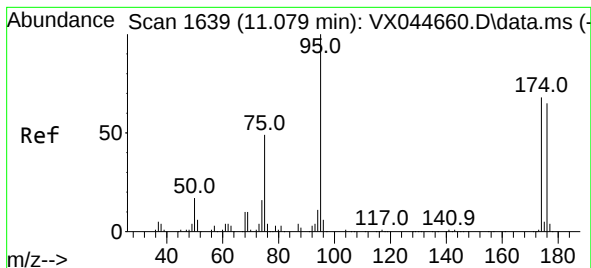
Tgt Ion:173 Resp: 440
Ion Ratio Lower Upper
173 100
175 917.0 39.0 58.6#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Tgt Ion:117 Resp: 149390
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.6
119 32.1 25.8 38.6

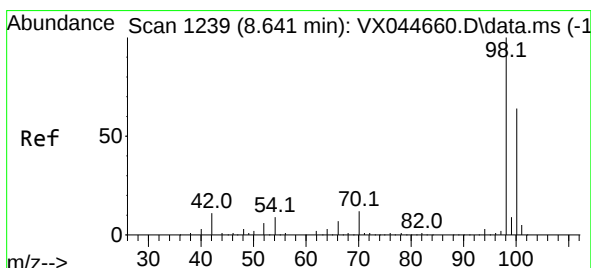
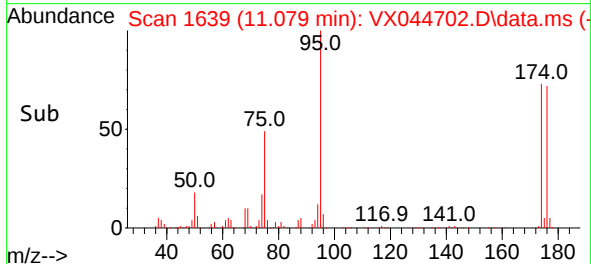
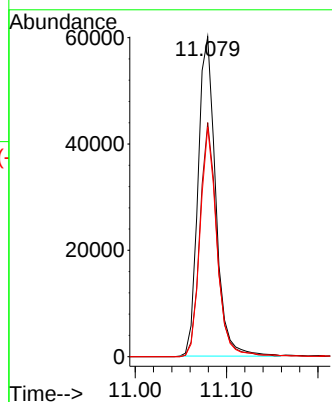
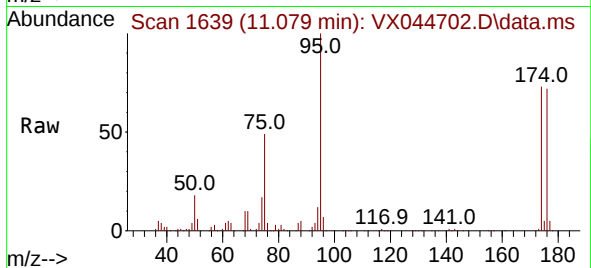




#60
4-Bromofluorobenzene
Concen: 27.774 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

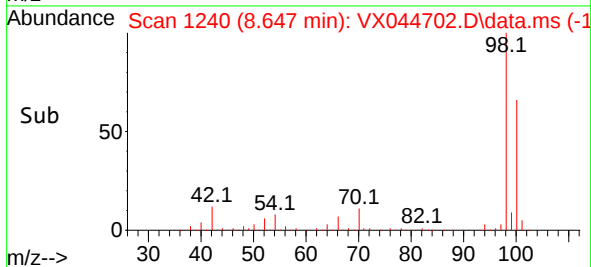
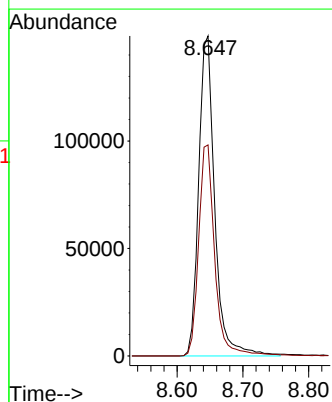
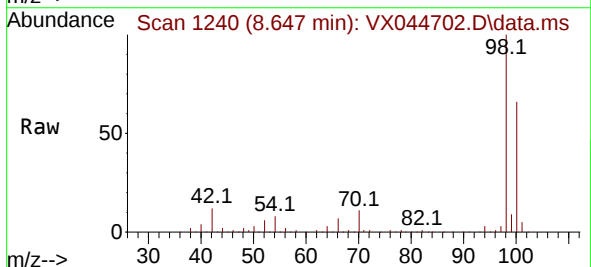
Instrument :
MSVOA_X
ClientSampleId :

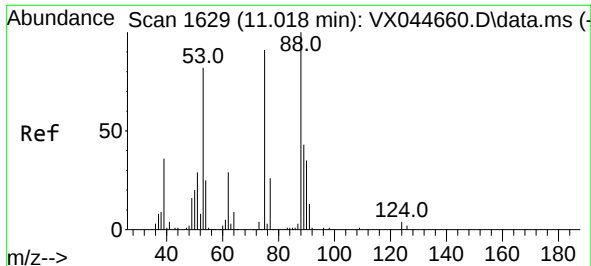
Tgt Ion: 95 Resp: 80591
Ion Ratio Lower Upper
95 100
174 70.4 54.6 81.8
176 67.9 52.8 79.2



#63
Toluene-d8
Concen: 31.095 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Tgt Ion: 98 Resp: 252659
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4

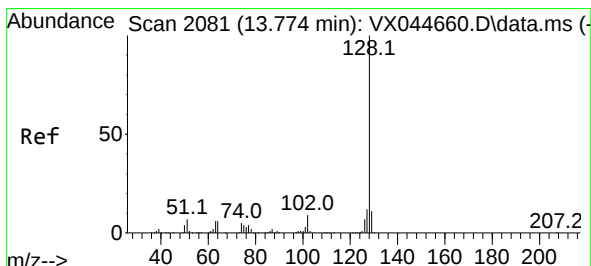
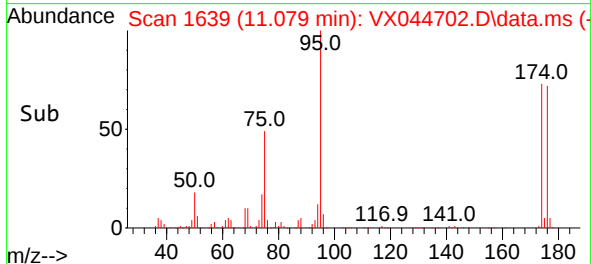
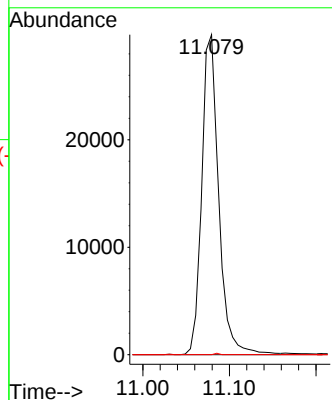
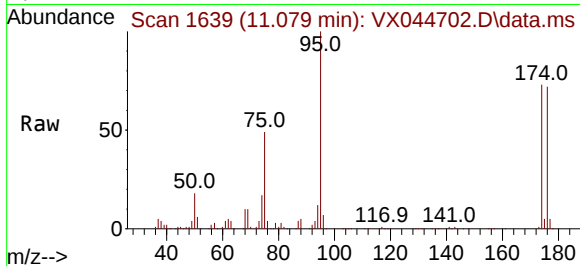




#77
t-1,4-Dichloro-2-butene
Concen: 30.400 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 40498
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#



#91
Naphthalene
Concen: 0.203 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX044702.D
Acq: 23 Jan 2025 10:18

Tgt Ion: 128 Resp: 1942
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 8.5 9.0 13.6#

