

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044776.D
 Acq On : 30 Jan 2025 12:23
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 00:41:37 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)

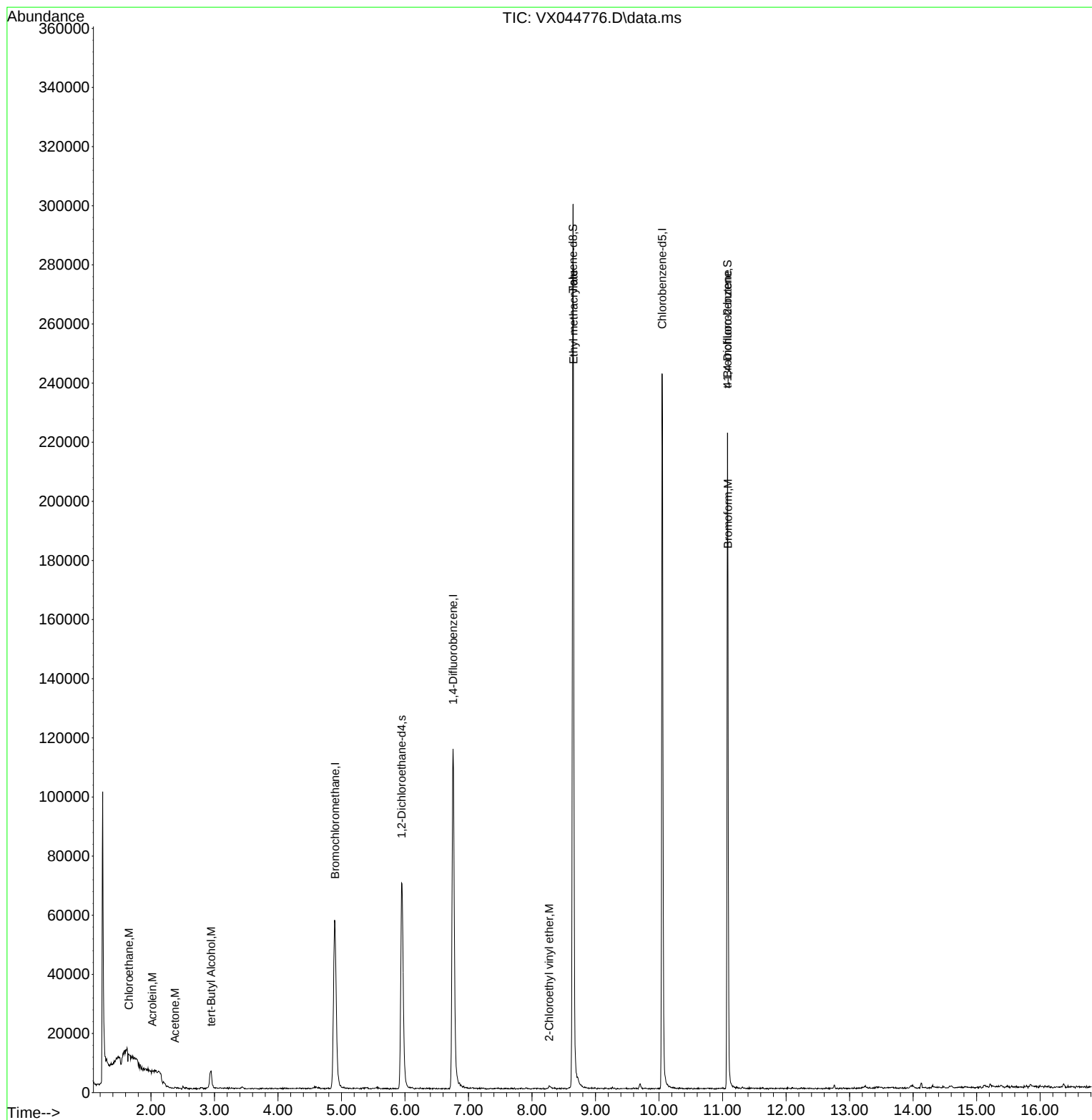
Internal Standards						
1) Bromochloromethane	4.897	128	24851	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	126846	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	112237	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	65920	27.477	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.600%
60) 4-Bromofluorobenzene	11.079	95	61088	28.022	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.400%
63) Toluene-d8	8.647	98	182781	29.942	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	3860	10.705	ug/l #	54
13) Acrolein	2.020	56	136	0.459	ug/l	92
15) Acetone	2.380	58	112	0.427	ug/l #	22
23) tert-Butyl Alcohol	2.947	59	3766	7.974	ug/l #	100
51) Ethyl methacrylate	8.653	69	592	0.203	ug/l	97
55) 2-Chloroethyl vinyl ether	8.269	63	461	0.325	ug/l #	92
56) Bromoform	11.085	173	377	0.283	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30052	30.026	ug/l #	13

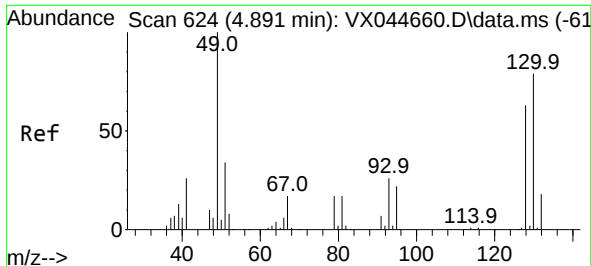
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 31 00:41:37 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

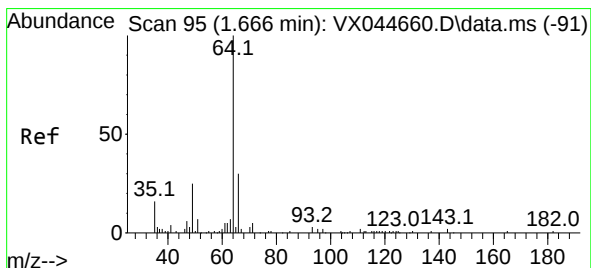
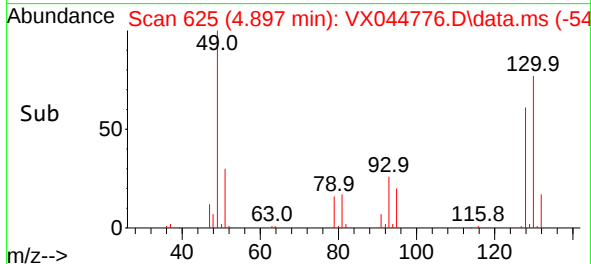
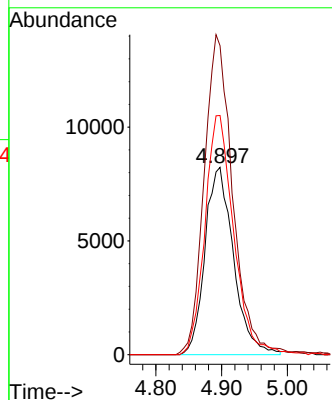
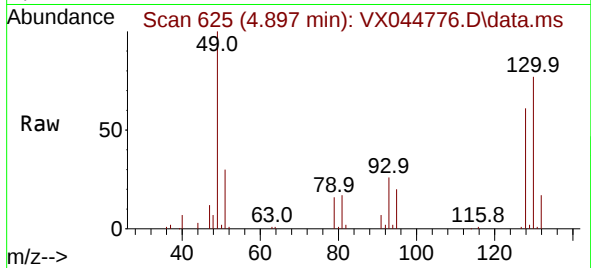




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

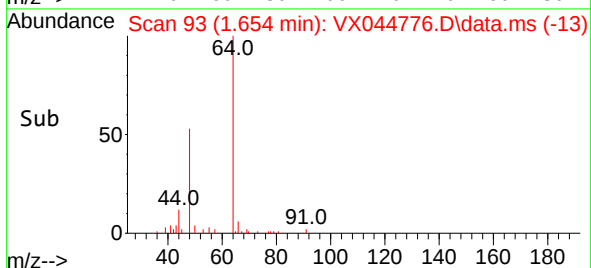
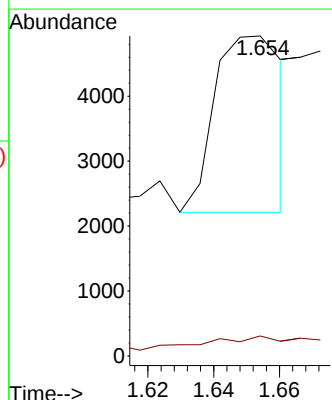
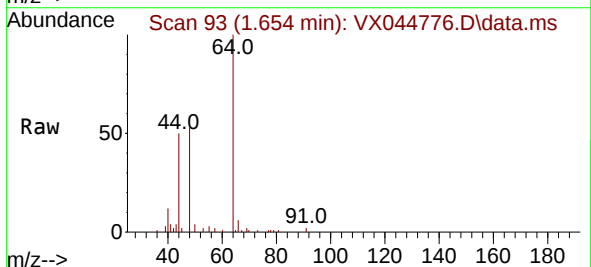
Instrument :
MSVOA_X
ClientSampleId :

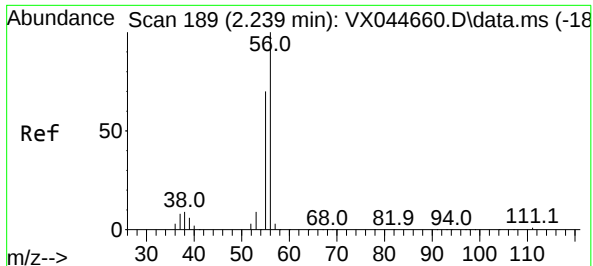
Tgt Ion:128 Resp: 24851
Ion Ratio Lower Upper
128 100
49 170.2 0.0 411.5
130 128.2 0.0 324.3



#6
Chloroethane
Concen: 10.705 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

Tgt Ion: 64 Resp: 3860
Ion Ratio Lower Upper
64 100
66 5.0 23.8 35.6#

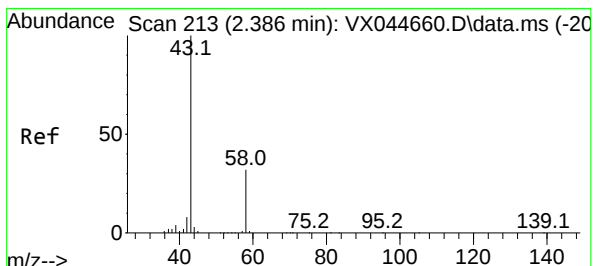
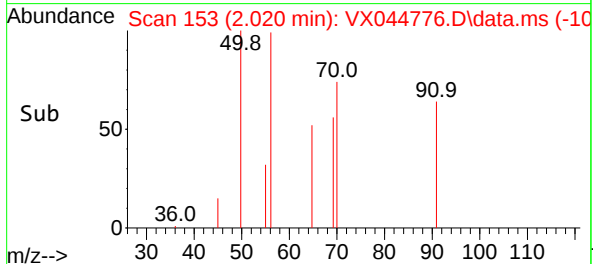
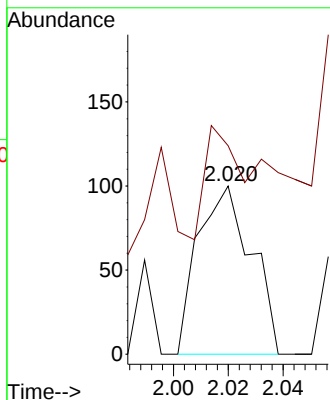
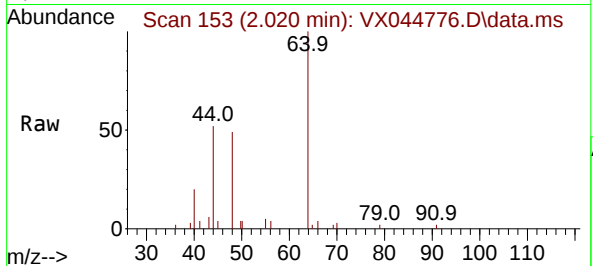




#13
Acrolein
Concen: 0.459 ug/l
RT: 2.020 min Scan# 11
Delta R.T. -0.219 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

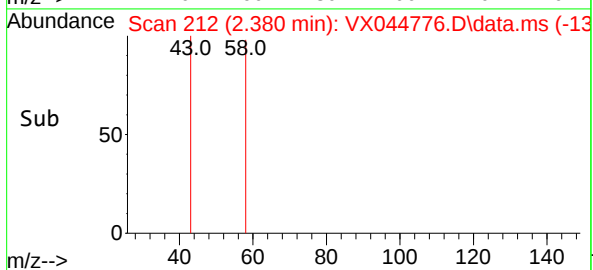
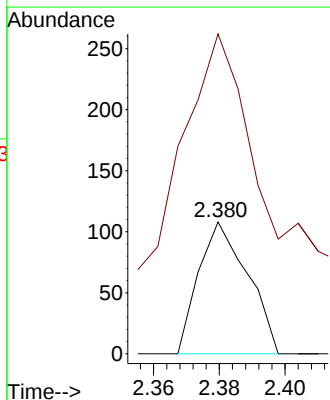
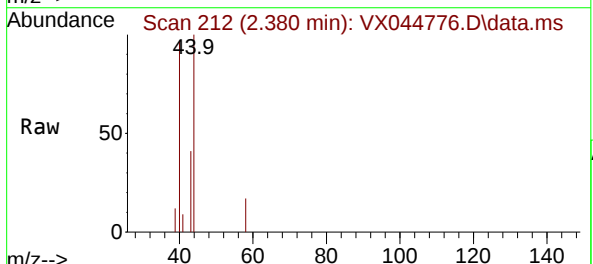
Instrument :
MSVOA_X
ClientSampleId :

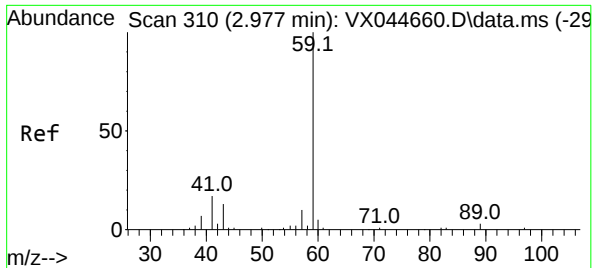
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 65.4 57.5 86.3



#15
Acetone
Concen: 0.427 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

Tgt Ion: 58 Resp: 112
Ion Ratio Lower Upper
58 100
43 155.6 251.0 376.4#

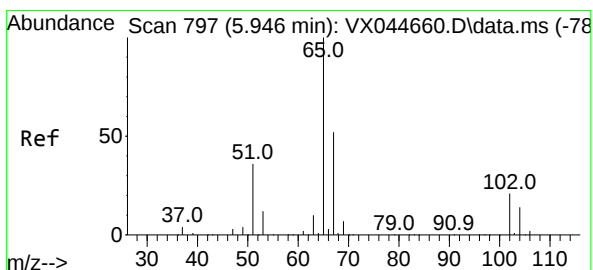
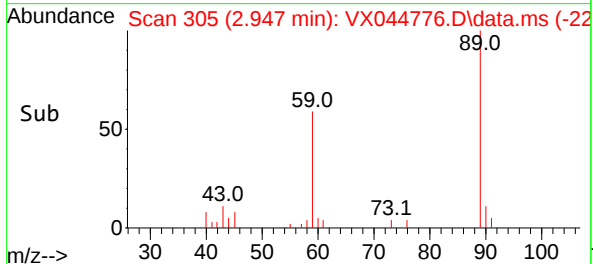
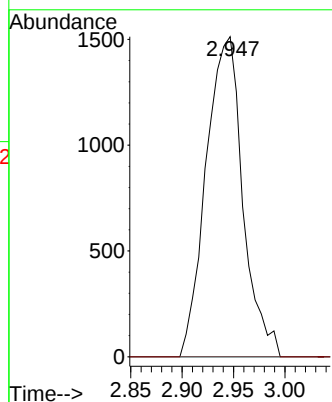
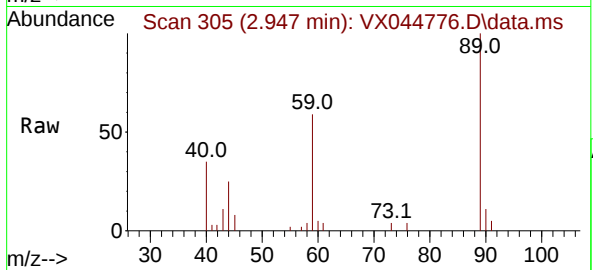




#23
tert-Butyl Alcohol
Concen: 7.974 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

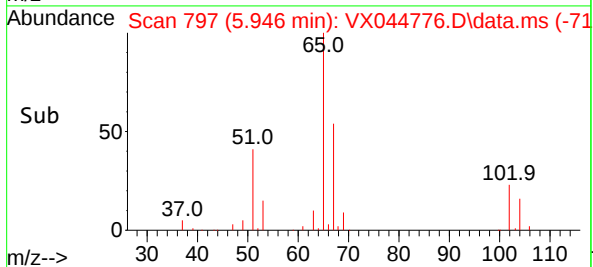
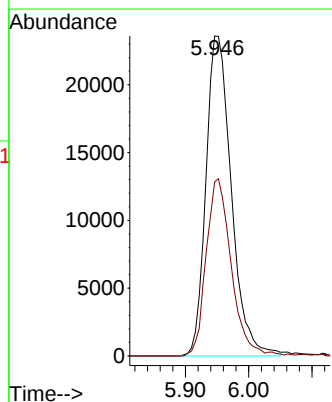
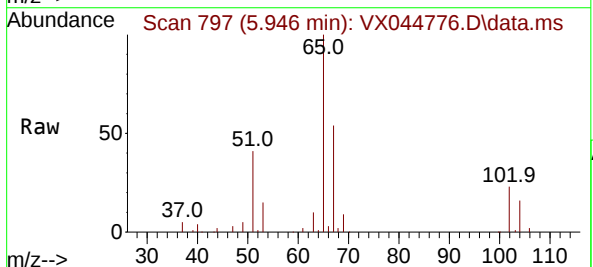
Instrument :
MSVOA_X
ClientSampleId :

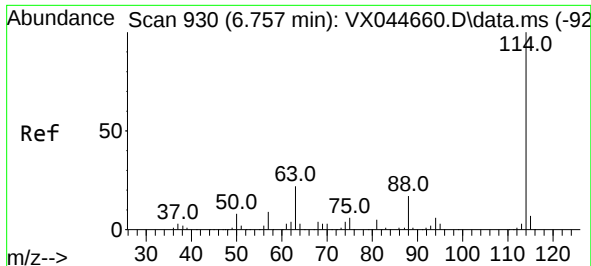
Tgt Ion: 59 Resp: 3766
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 27.477 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

Tgt Ion: 65 Resp: 65920
Ion Ratio Lower Upper
65 100
67 54.1 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: VX044776.D

Acq: 30 Jan 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

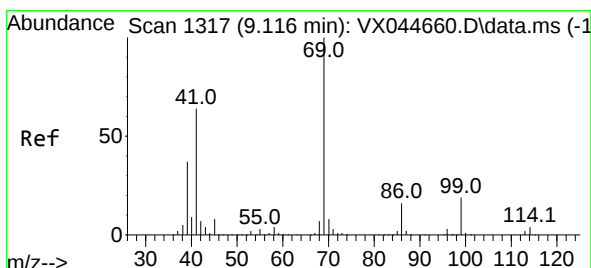
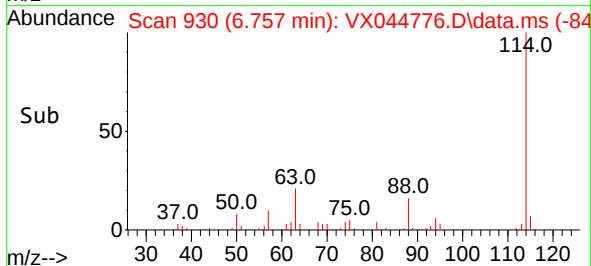
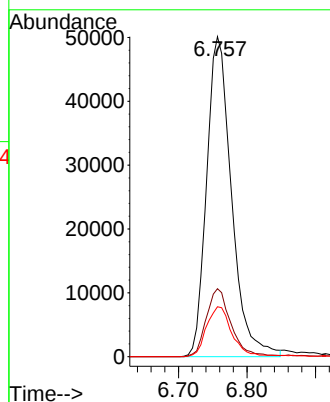
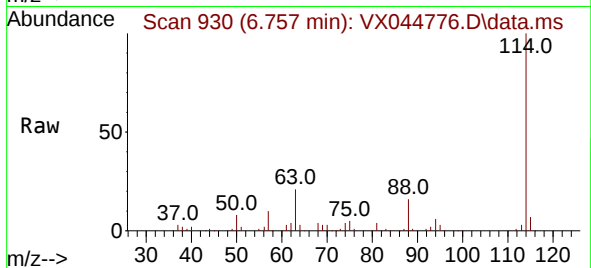
Tgt Ion:114 Resp: 126846

Ion Ratio Lower Upper

114 100

63 20.8 16.6 24.8

88 15.7 13.4 20.2



#51

Ethyl methacrylate

Concen: 0.203 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX044776.D

Acq: 30 Jan 2025 12:23

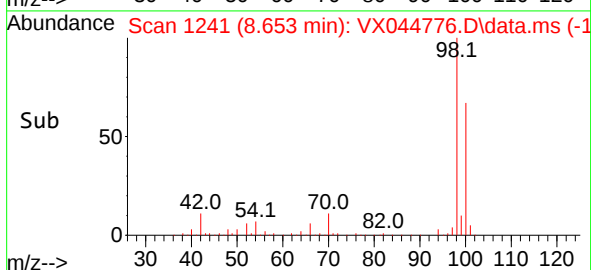
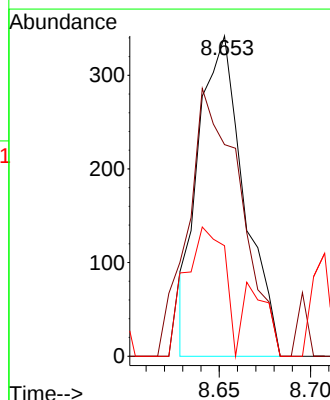
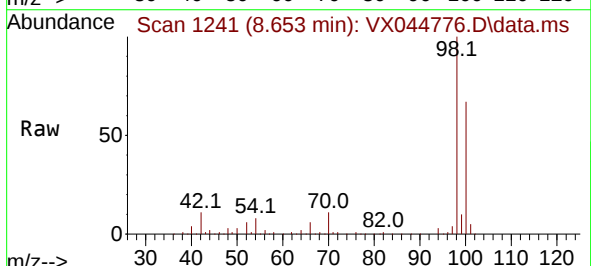
Tgt Ion: 69 Resp: 592

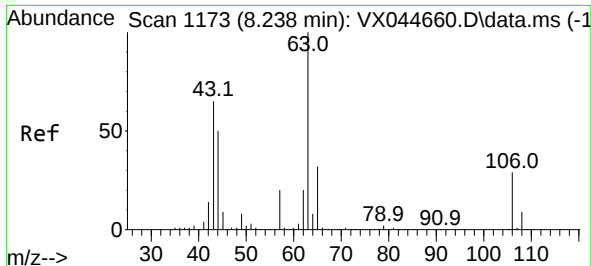
Ion Ratio Lower Upper

69 100

41 66.1 32.0 96.0

39 34.5 18.6 55.6





#55

2-Chloroethyl vinyl ether

Concen: 0.325 ug/l

RT: 8.269 min Scan# 1173

Delta R.T. 0.030 min

Lab File: VX044776.D

Acq: 30 Jan 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

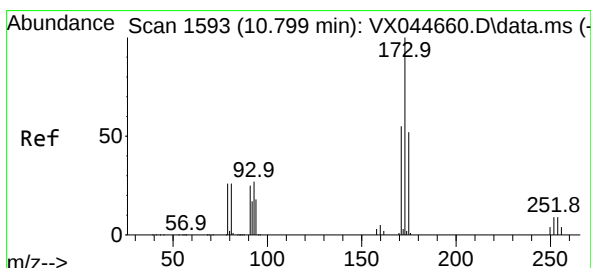
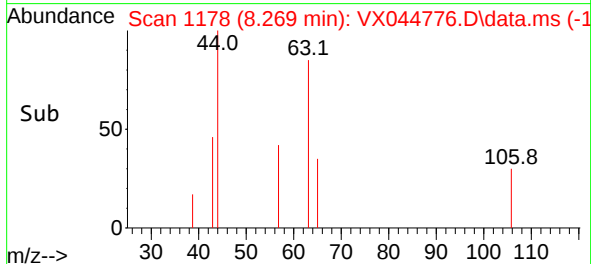
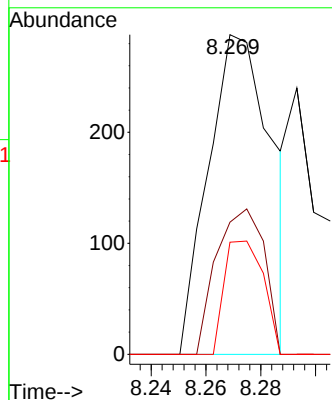
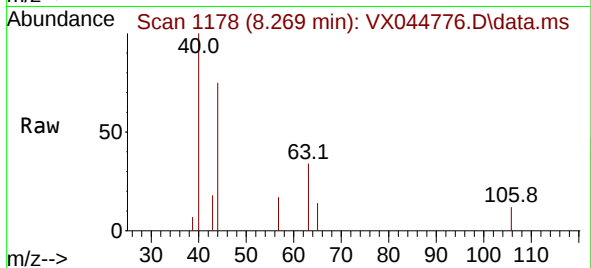
Tgt Ion: 63 Resp: 461

Ion Ratio Lower Upper

63 100

65 34.5 25.8 38.6

106 21.9 23.1 34.7#



#56

Bromoform

Concen: 0.283 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX044776.D

Acq: 30 Jan 2025 12:23

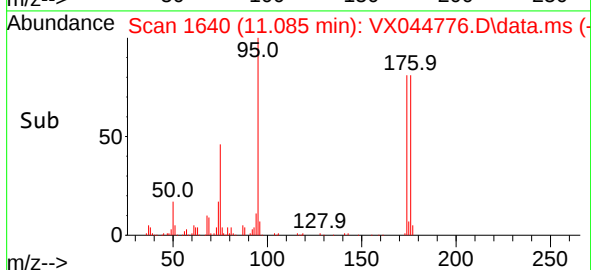
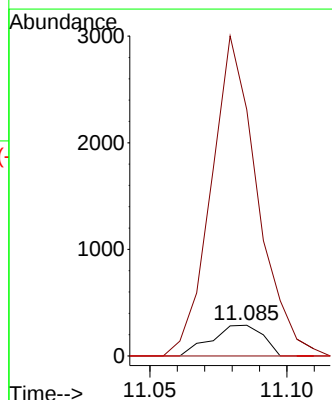
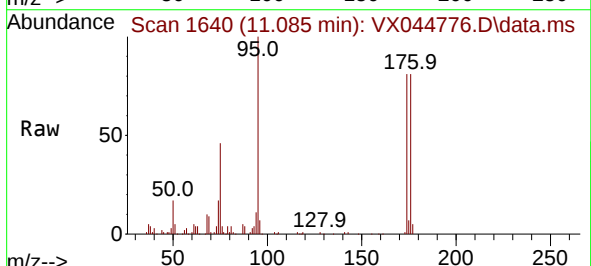
Tgt Ion: 173 Resp: 377

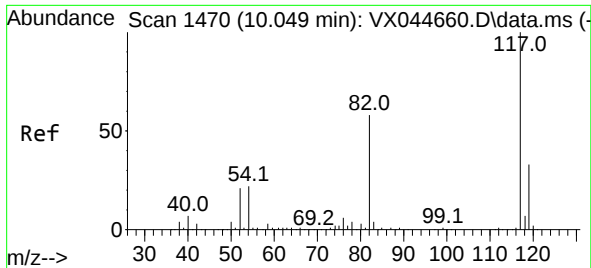
Ion Ratio Lower Upper

173 100

175 934.0 39.0 58.6#

254 0.0 6.5 9.7#

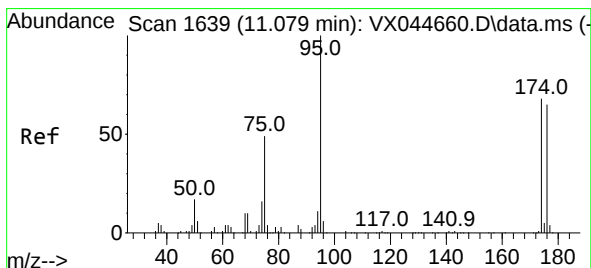
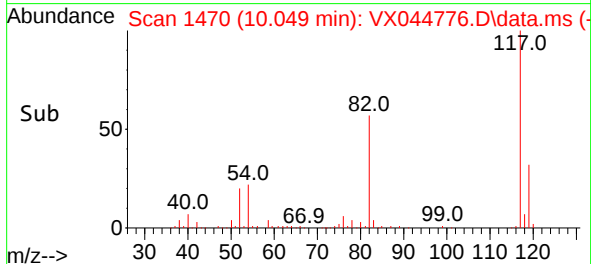
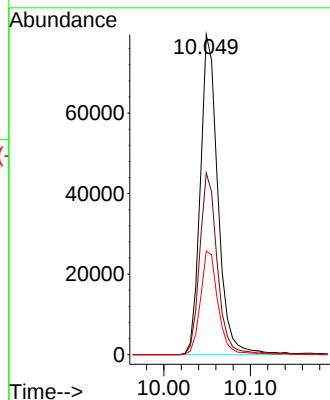
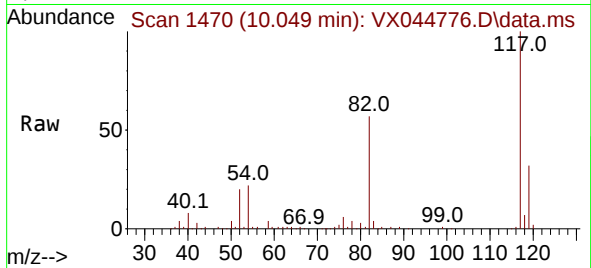




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

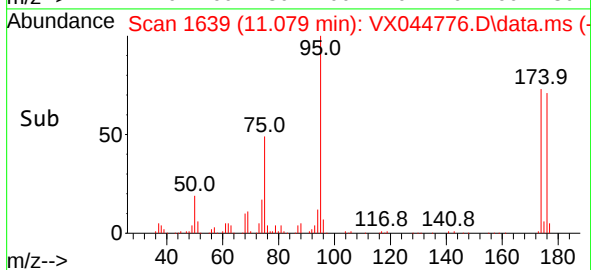
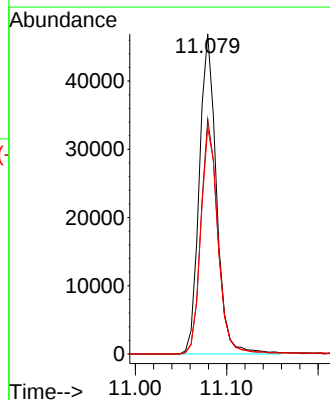
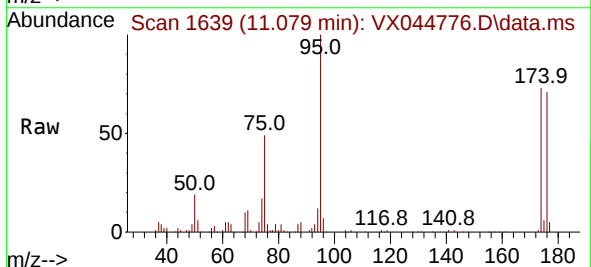
Instrument :
MSVOA_X
ClientSampleId :

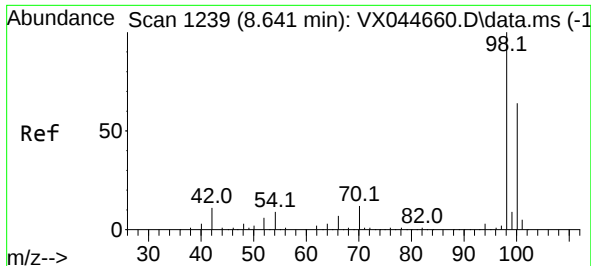
Tgt Ion:117 Resp: 112237
Ion Ratio Lower Upper
117 100
82 57.1 45.8 68.6
119 32.4 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.022 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

Tgt Ion: 95 Resp: 61088
Ion Ratio Lower Upper
95 100
174 72.0 54.6 81.8
176 70.8 52.8 79.2

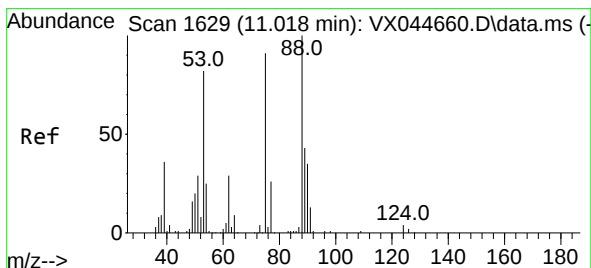
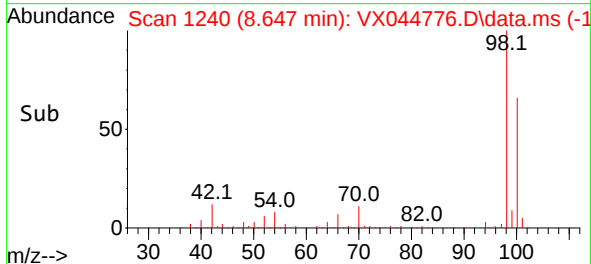
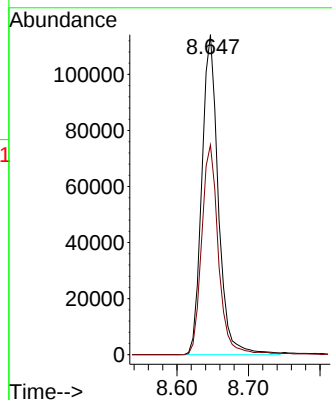
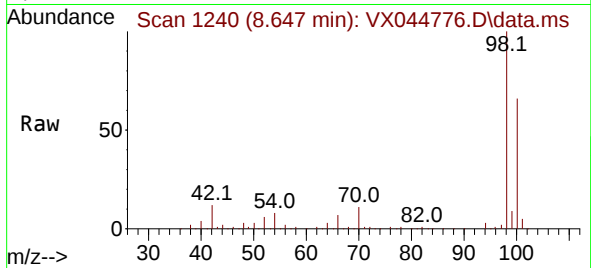




#63
Toluene-d8
Concen: 29.942 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 182781
Ion Ratio Lower Upper
98 100
100 65.7 53.6 80.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.026 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044776.D
Acq: 30 Jan 2025 12:23

Tgt Ion: 75 Resp: 30052
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#

