

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044671.D
 Acq On : 16 Jan 2025 14:18
 Operator :
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 17 01:31:54 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)

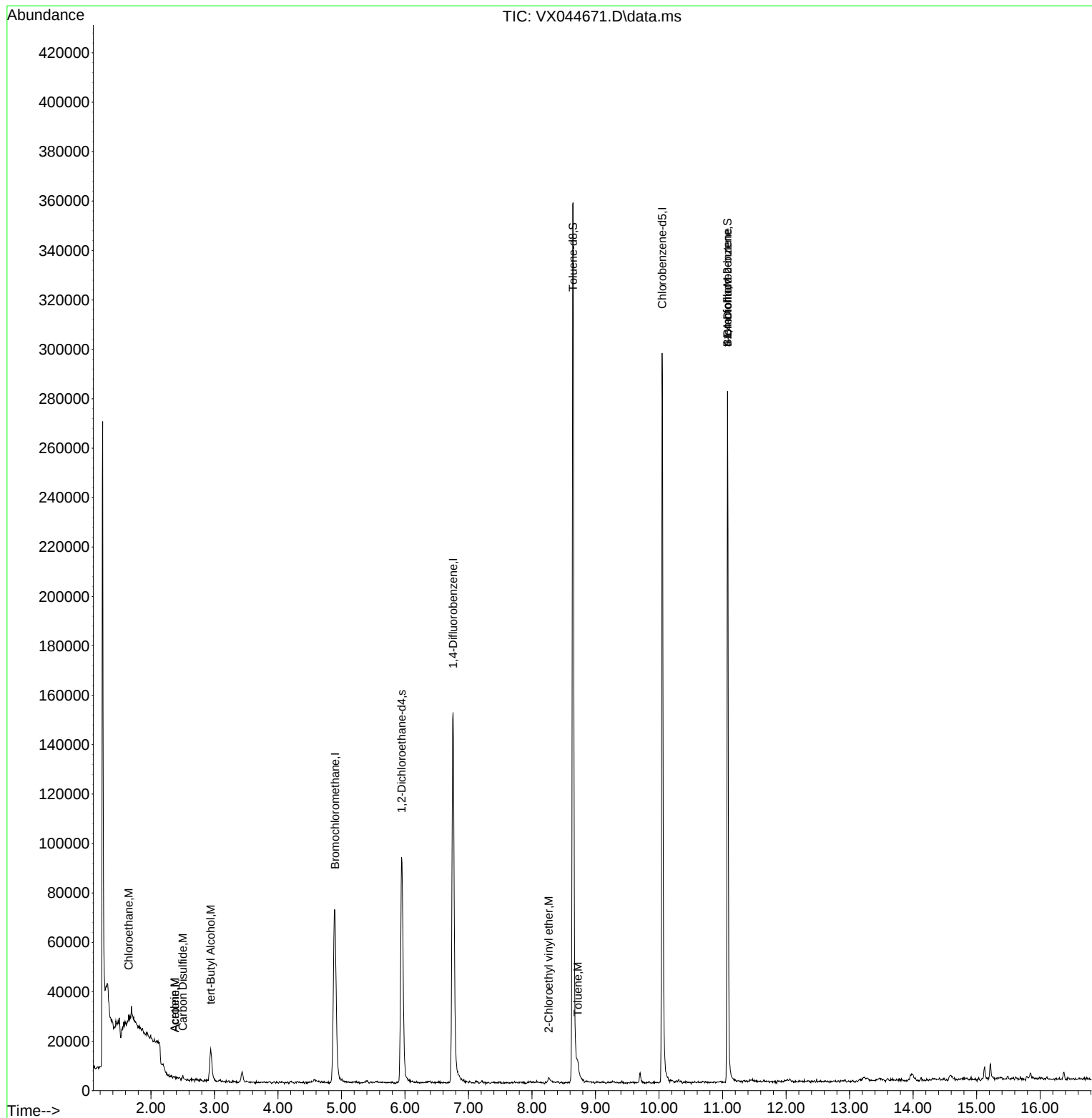
Internal Standards						
1) Bromochloromethane	4.897	128	30872	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	158542	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	144585	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	89155	29.914	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.700%
60) 4-Bromofluorobenzene	11.079	95	81087	28.874	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.233%
63) Toluene-d8	8.647	98	238445	30.321	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.067%
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	437	0.976	ug/l #	54
13) Acrolein	2.373	56	189	0.513	ug/l	83
15) Acetone	2.380	58	192	0.590	ug/l	76
16) Carbon Disulfide	2.502	76	1818	0.287	ug/l #	89
23) tert-Butyl Alcohol	2.940	59	8310	14.163	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.263	63	664	0.375	ug/l #	73
56) Bromoform	11.079	173	465	0.279	ug/l #	1
62) Toluene	8.720	91	3176	0.334	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	39976	31.006	ug/l #	13

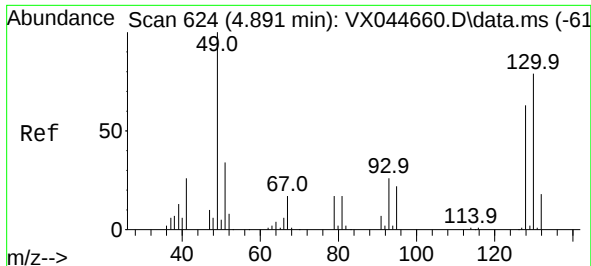
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

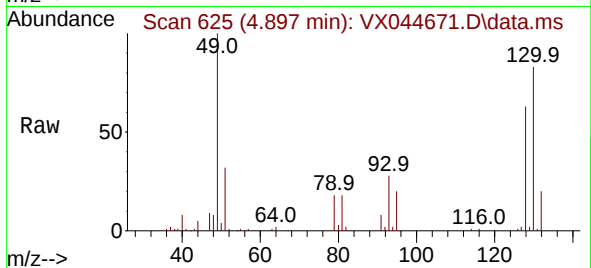
Quant Time: Jan 17 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



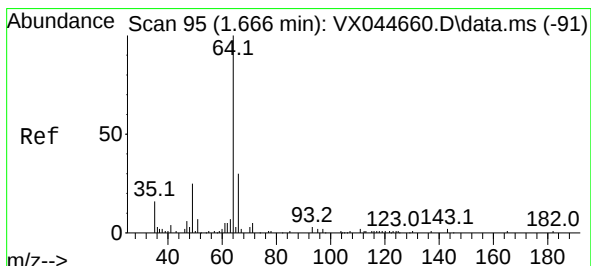
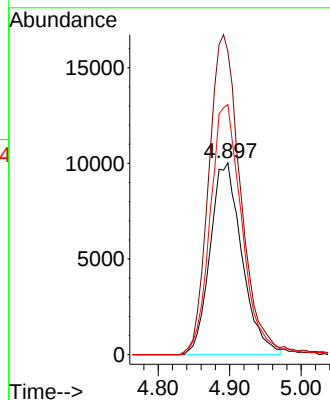
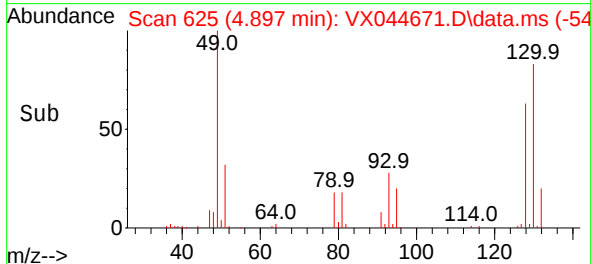


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :

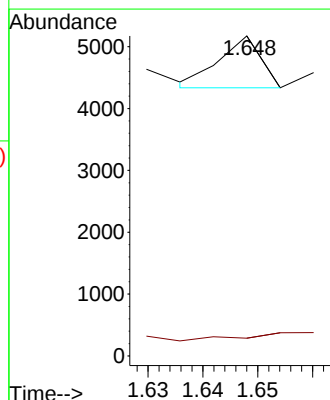
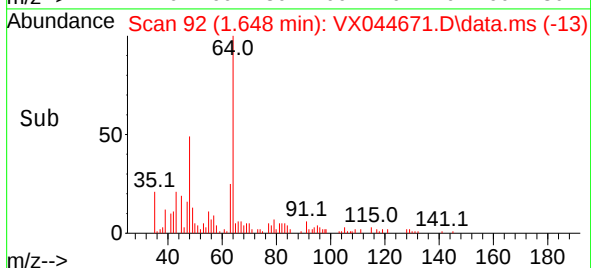
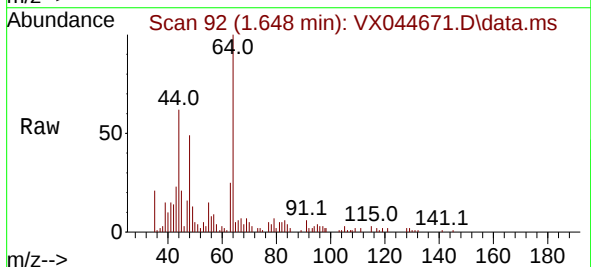


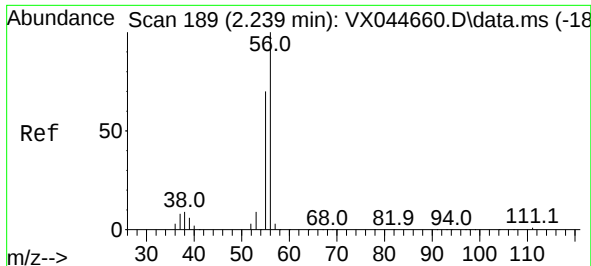
Tgt Ion:128 Resp: 30872
Ion Ratio Lower Upper
128 100
49 166.1 0.0 411.5
130 129.8 0.0 324.3



#6
Chloroethane
Concen: 0.976 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

Tgt Ion: 64 Resp: 437
Ion Ratio Lower Upper
64 100
66 5.1 23.8 35.6#

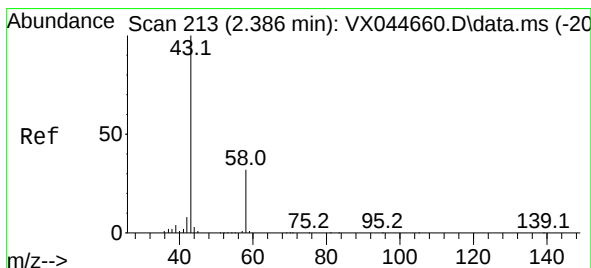
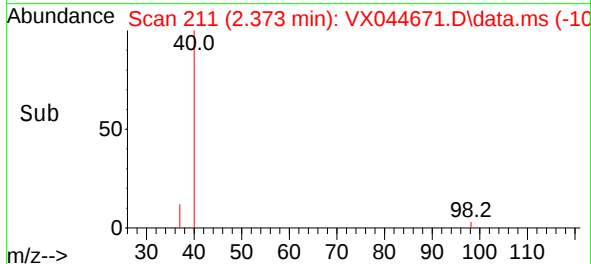
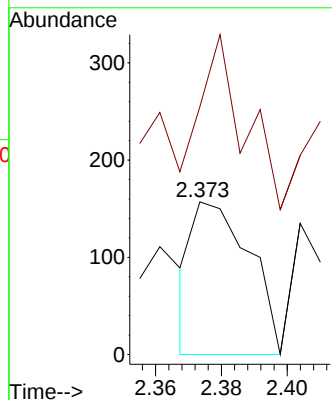
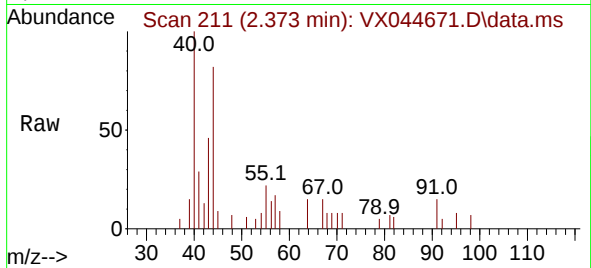




#13
Acrolein
Concen: 0.513 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.134 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

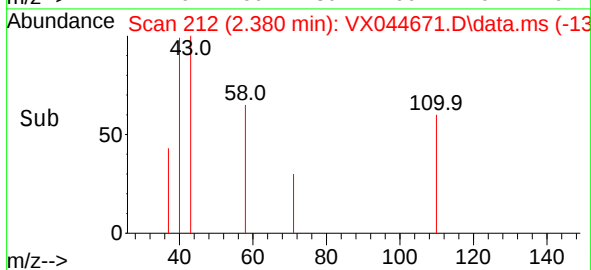
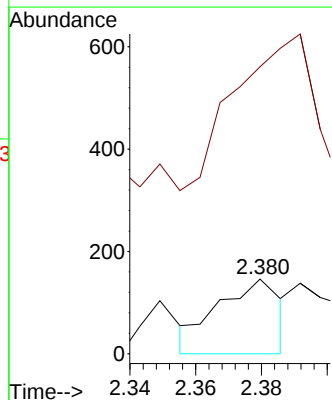
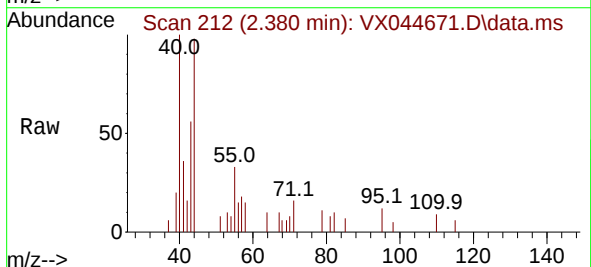
Instrument :
MSVOA_X
ClientSampleId :

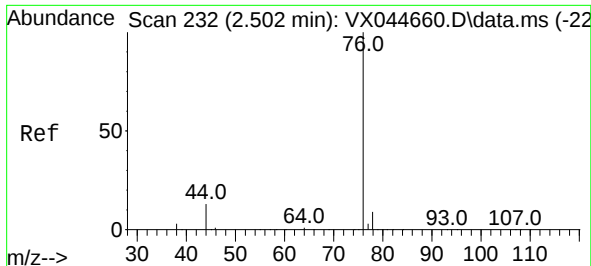
Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 86.2 57.5 86.3



#15
Acetone
Concen: 0.590 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

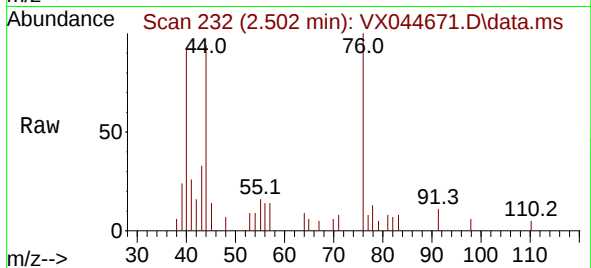
Tgt Ion: 58 Resp: 192
Ion Ratio Lower Upper
58 100
43 265.9 251.0 376.4



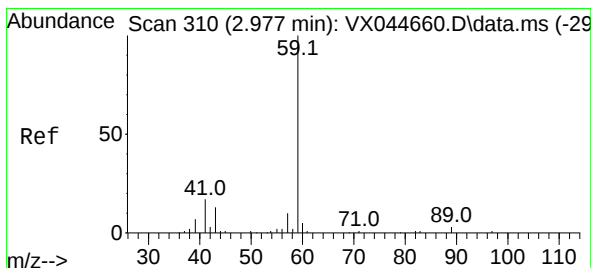
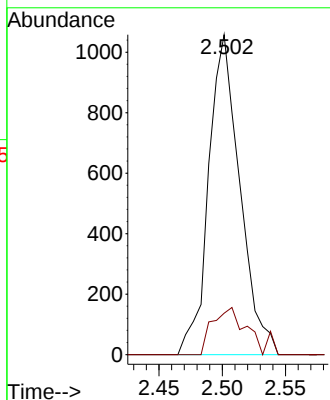
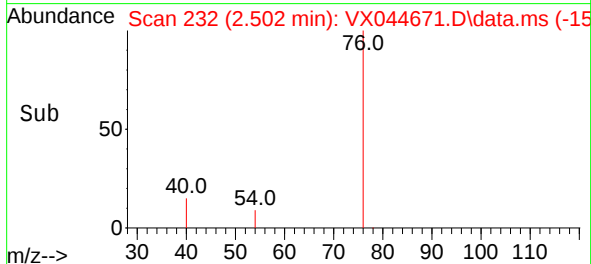


#16
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.502 min Scan# 24
Delta R.T. -0.000 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

Instrument :
MSVOA_X
ClientSampleId :

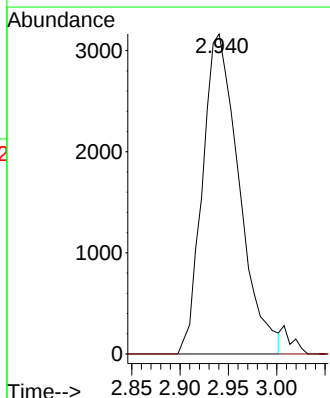
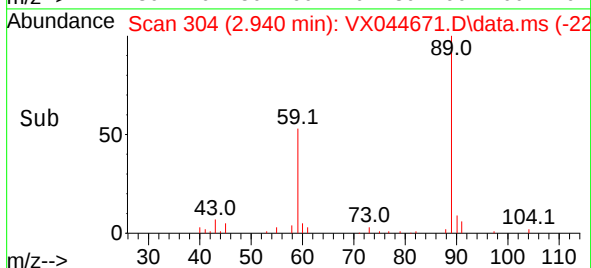
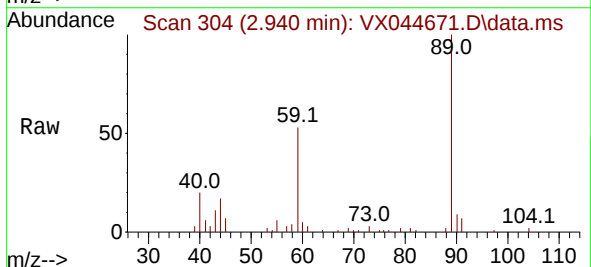


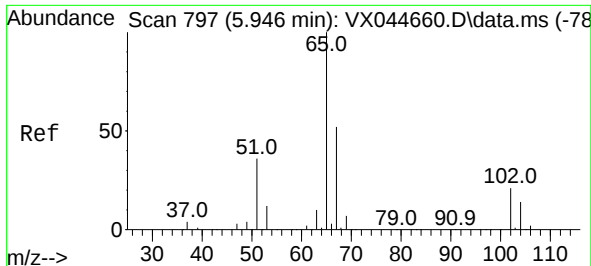
Tgt Ion: 76 Resp: 1818
Ion Ratio Lower Upper
76 100
78 12.9 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 14.163 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

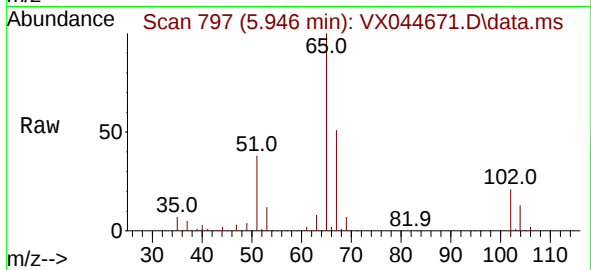
Tgt Ion: 59 Resp: 8310
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



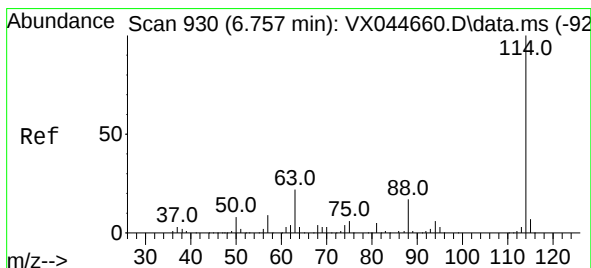
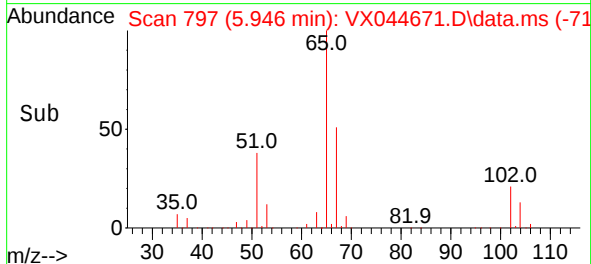
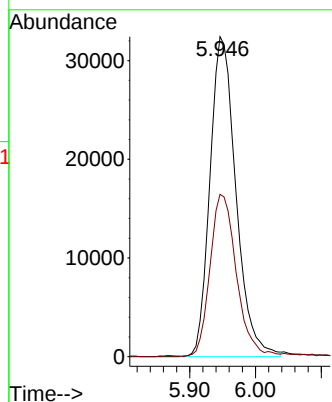


#27
 1,2-Dichloroethane-d4
 Concen: 29.914 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: VX044671.D
 Acq: 16 Jan 2025 14:18

Instrument :
 MSVOA_X
 ClientSampleId :

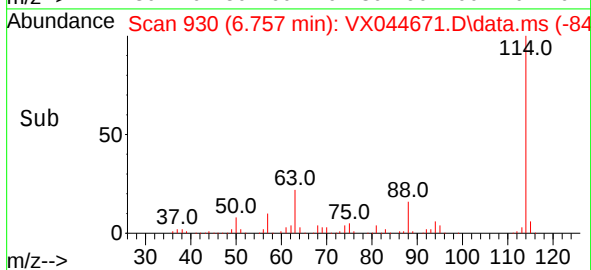
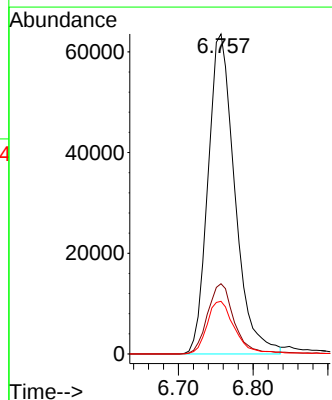
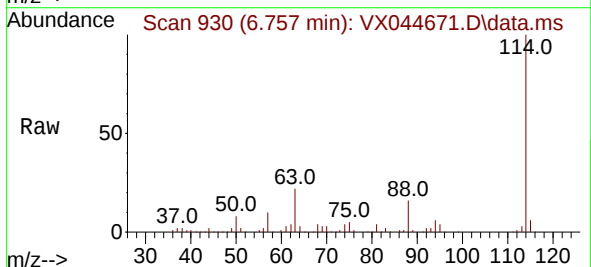


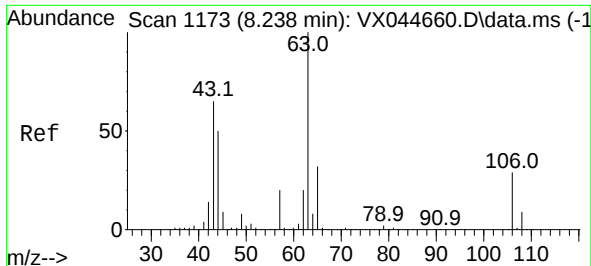
Tgt Ion: 65 Resp: 89155
 Ion Ratio Lower Upper
 65 100
 67 50.9 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044671.D
 Acq: 16 Jan 2025 14:18

Tgt Ion: 114 Resp: 158542
 Ion Ratio Lower Upper
 114 100
 63 21.7 16.6 24.8
 88 16.5 13.4 20.2





#55

2-Chloroethyl vinyl ether

Concen: 0.375 ug/l

RT: 8.263 min Scan# 1177

Delta R.T. 0.024 min

Lab File: VX044671.D

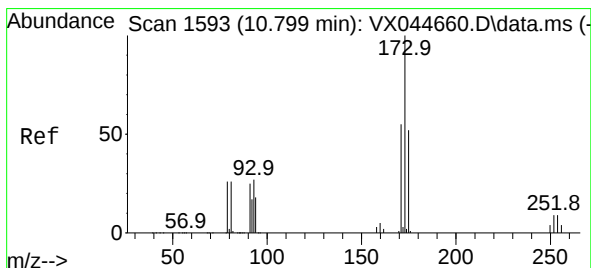
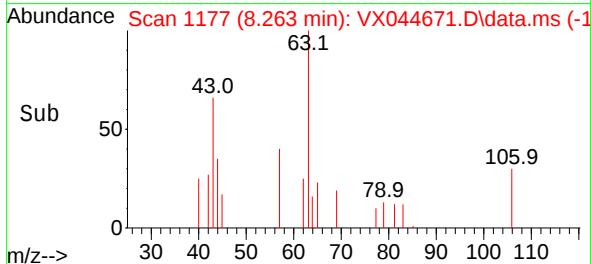
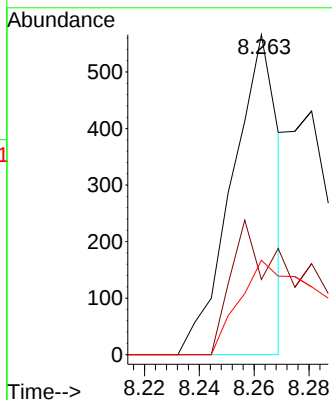
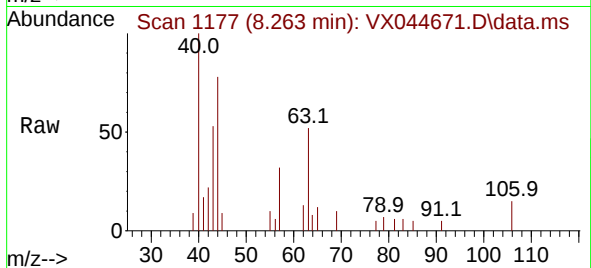
Acq: 16 Jan 2025 14:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	63	Resp:	664
Ion	Ratio	Lower	Upper
63	100		
65	44.3	25.8	38.6#
106	46.4	23.1	34.7#



#56

Bromoform

Concen: 0.279 ug/l

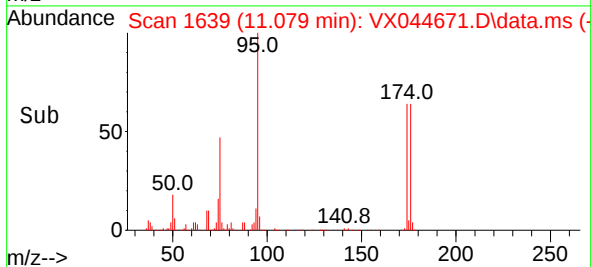
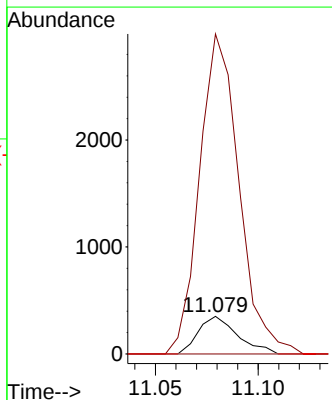
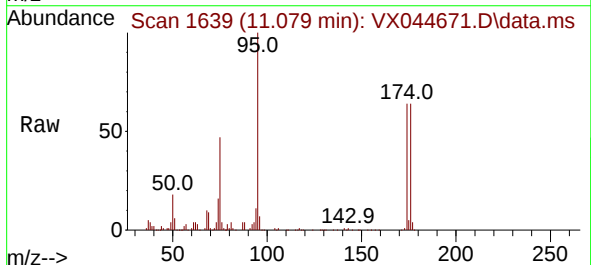
RT: 11.079 min Scan# 1639

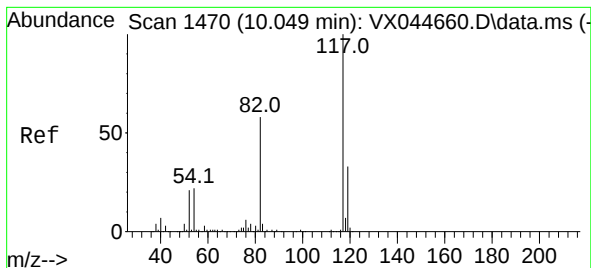
Delta R.T. 0.280 min

Lab File: VX044671.D

Acq: 16 Jan 2025 14:18

Tgt Ion:	173	Resp:	465
Ion	Ratio	Lower	Upper
173	100		
175	859.8	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: VX044671.D

Acq: 16 Jan 2025 14:18

Instrument :

MSVOA_X

ClientSampleId :

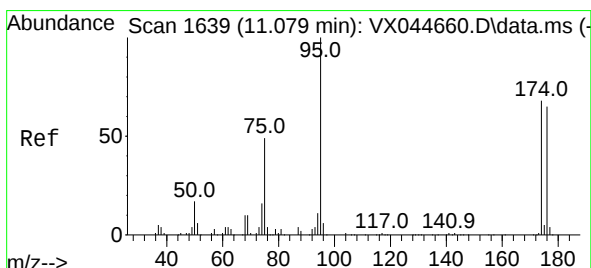
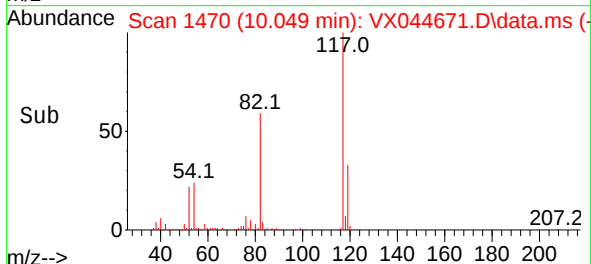
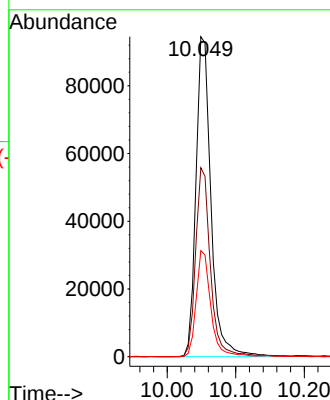
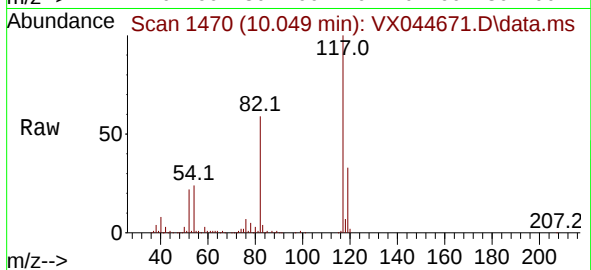
Tgt Ion:117 Resp: 144585

Ion Ratio Lower Upper

117 100

82 57.9 45.8 68.6

119 31.9 25.8 38.6



#60

4-Bromofluorobenzene

Concen: 28.874 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044671.D

Acq: 16 Jan 2025 14:18

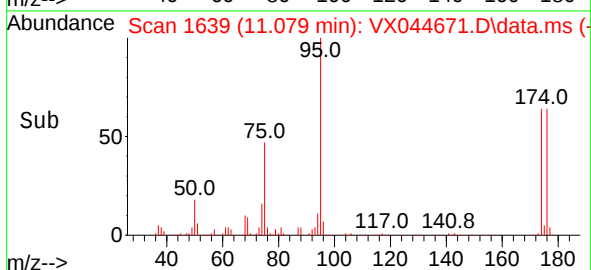
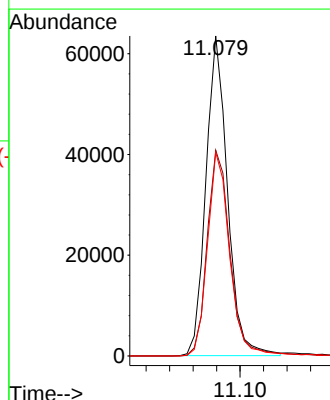
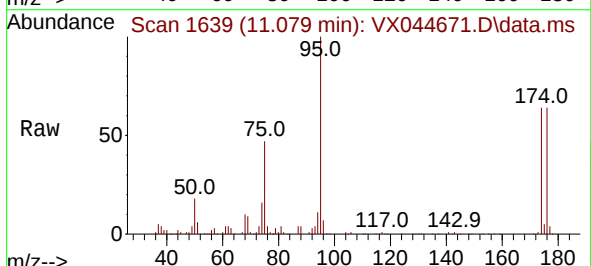
Tgt Ion: 95 Resp: 81087

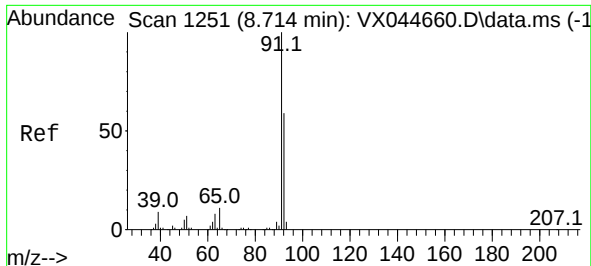
Ion Ratio Lower Upper

95 100

174 68.0 54.6 81.8

176 65.9 52.8 79.2

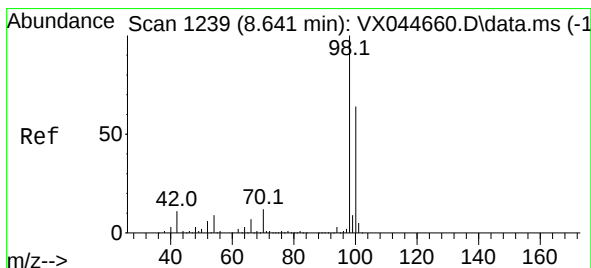
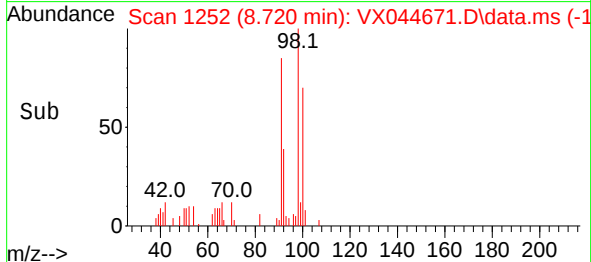
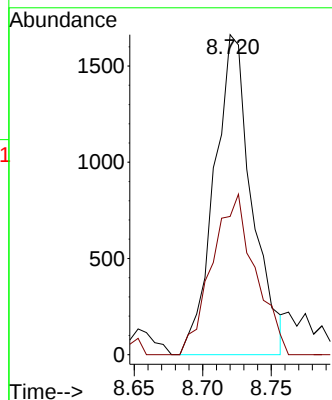
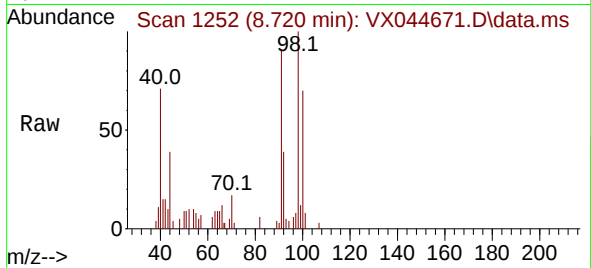




#62
Toluene
Concen: 0.334 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

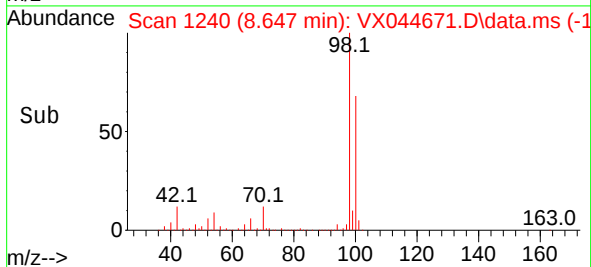
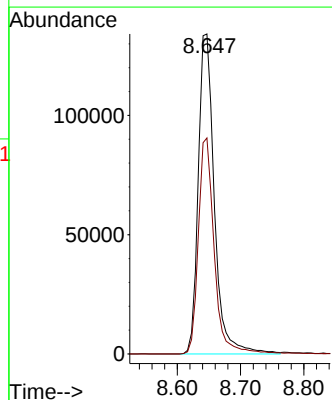
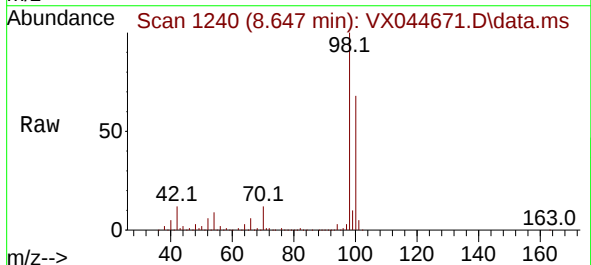
Instrument :
MSVOA_X
ClientSampleId :

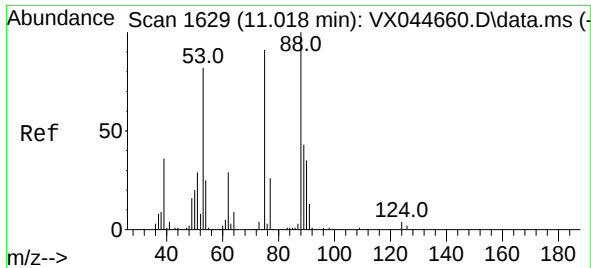
Tgt Ion: 91 Resp: 3176
Ion Ratio Lower Upper
91 100
92 57.4 47.3 70.9



#63
Toluene-d8
Concen: 30.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044671.D
Acq: 16 Jan 2025 14:18

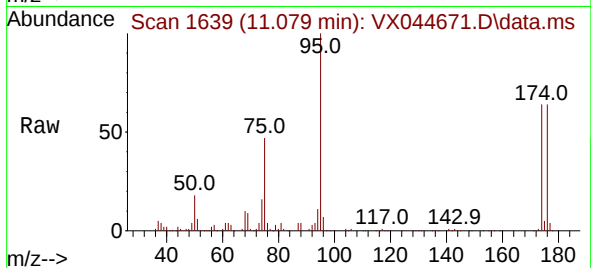
Tgt Ion: 98 Resp: 238445
Ion Ratio Lower Upper
98 100
100 66.4 53.6 80.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 31.006 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044671.D
 Acq: 16 Jan 2025 14:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 39976
 Ion Ratio Lower Upper
 75 100
 53 0.3 45.3 135.9#
 89 0.0 23.8 71.2#

