

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063234.D
 Acq On : 11 Feb 2025 13:55
 Operator : MD/SY
 Sample : Q1172-09DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 12 03:18:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

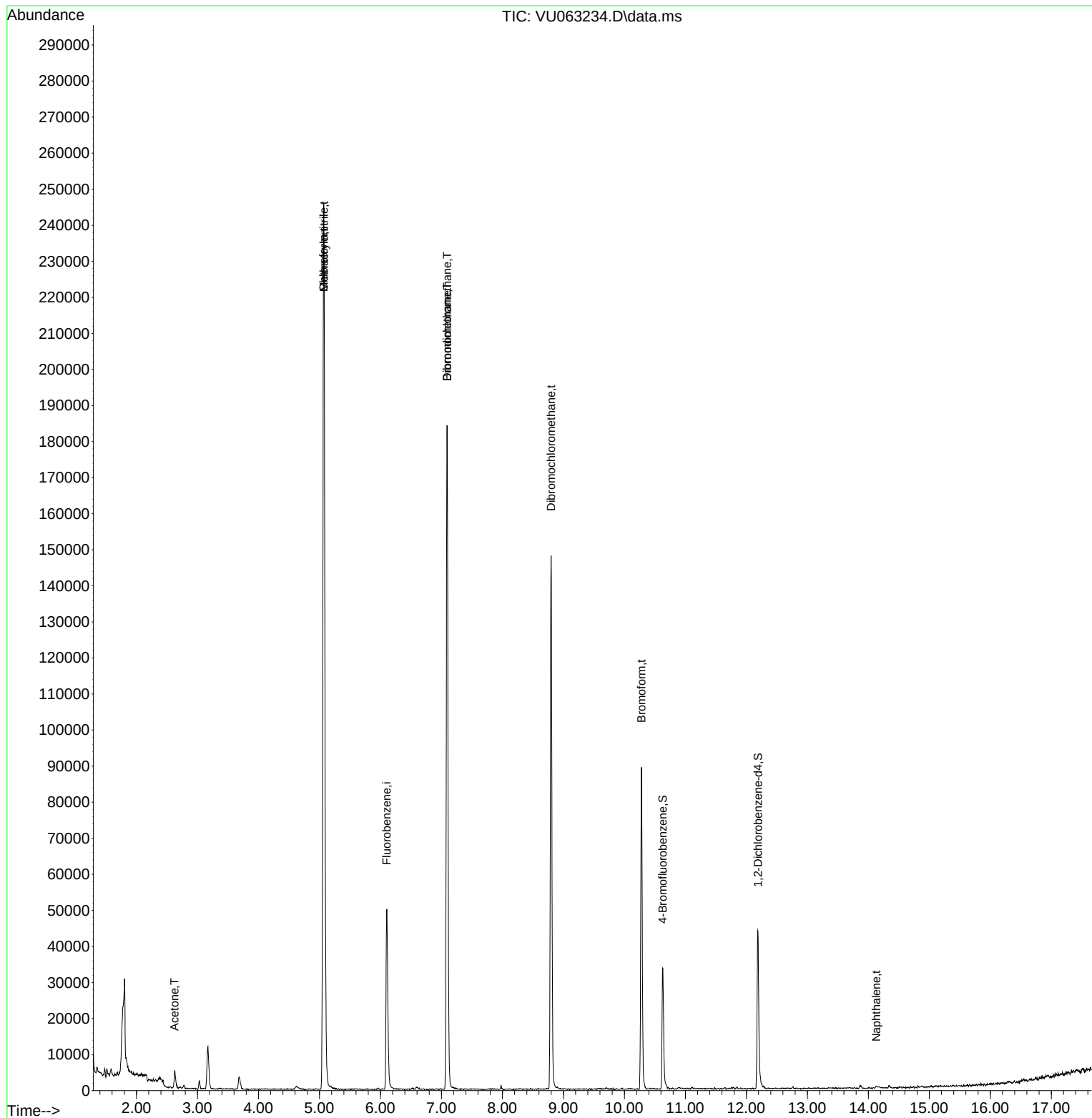
Internal Standards						
1) Fluorobenzene	6.103	96	47942	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14090	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13870	0.843	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
						Qvalue
13) Acetone	2.621	43	775	0.359	ug/l	# 40
27) Chloroform	5.071	83	224830	8.514	ug/l	100
39) Methacrylonitrile	5.074	41	894	0.232	ug/l	# 22
43) Dibromomethane	7.094	93	3635	0.466	ug/l	# 5
44) Bromodichloromethane	7.094	83	124082	6.828	ug/l	99
55) Dibromochloromethane	8.798	129	77163	6.372	ug/l	96
67) Bromoform	10.280	173	41888	6.094	ug/l	99
89) Naphthalene	14.132	128	591	0.677	ug/l	# 69

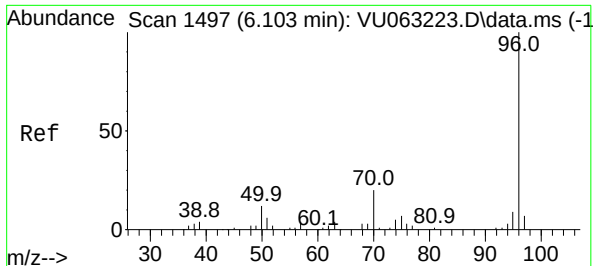
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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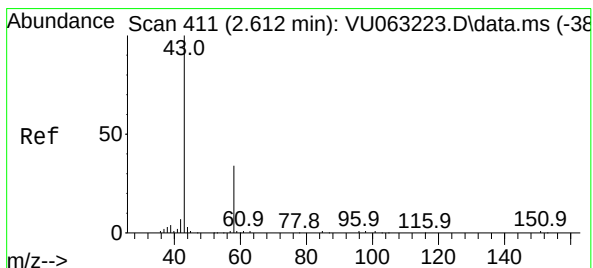
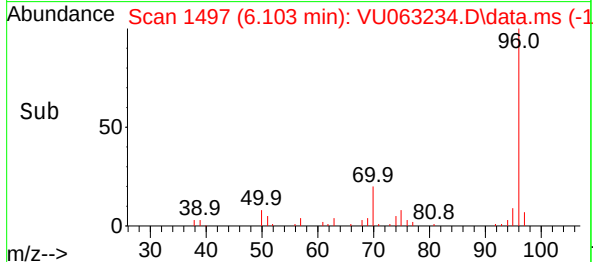
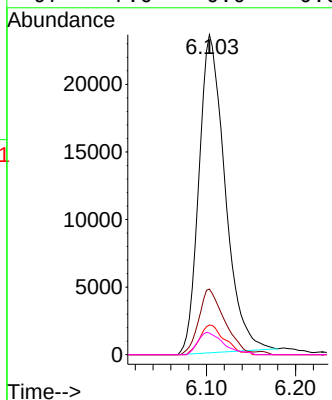
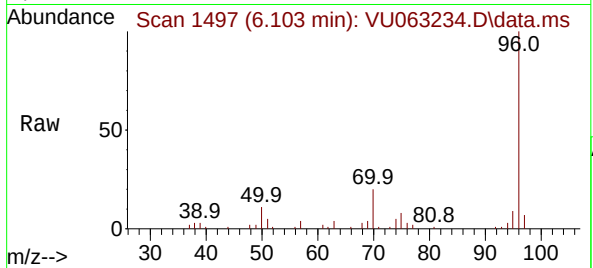




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1497
Delta R.T. 0.000 min
Lab File: VU063234.D
Acq: 11 Feb 2025 13:55

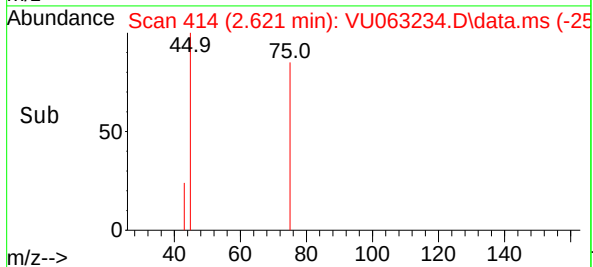
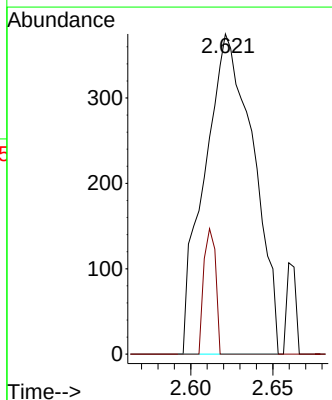
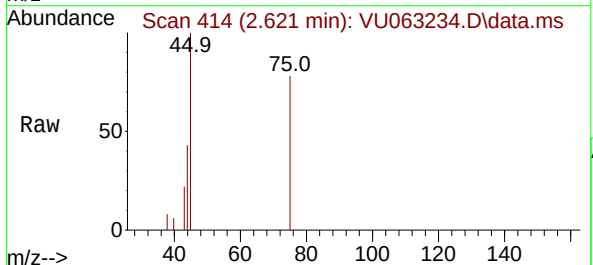
Instrument :
MSVOA_U
ClientSampleId :

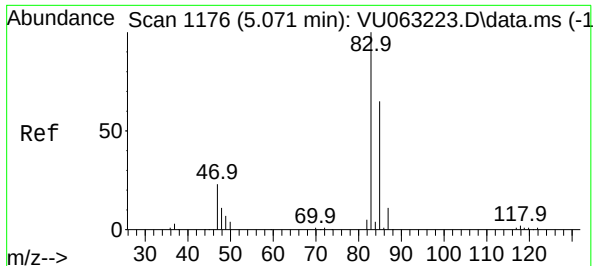
Tgt Ion:	96	Resp:	47942
Ion Ratio	Lower	Upper	
96	100		
70	19.4	15.6	23.4
95	8.9	7.3	10.9
97	7.0	0.0	0.0#



#13
Acetone
Concen: 0.359 ug/l
RT: 2.621 min Scan# 414
Delta R.T. 0.010 min
Lab File: VU063234.D
Acq: 11 Feb 2025 13:55

Tgt Ion:	43	Resp:	775
Ion Ratio	Lower	Upper	
43	100		
58	0.0	27.4	41.0#

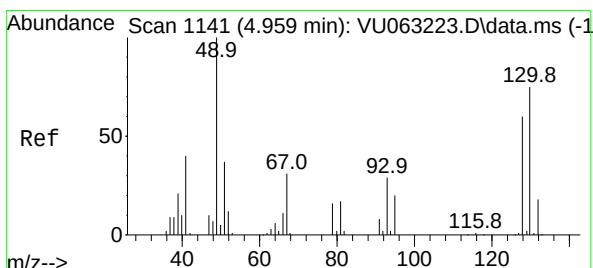
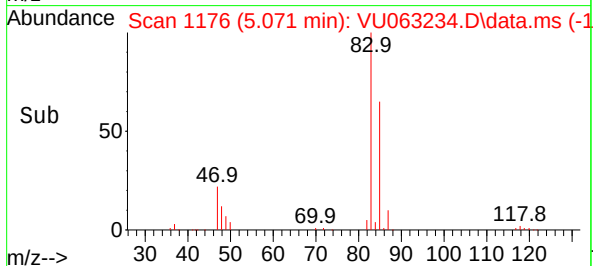
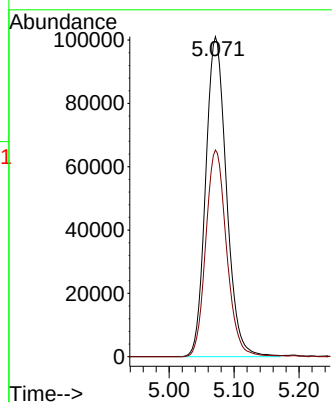
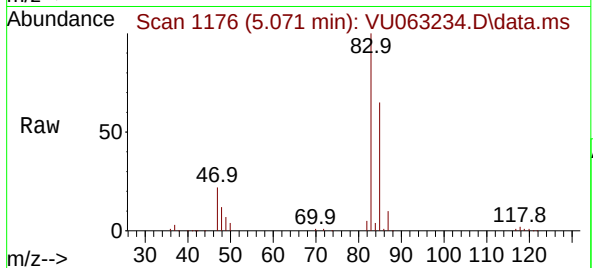




#27
Chloroform
Concen: 8.514 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VU063234.D
Acq: 11 Feb 2025 13:55

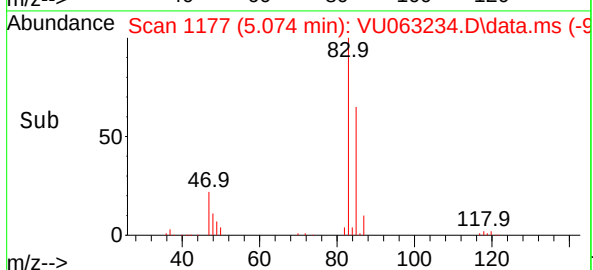
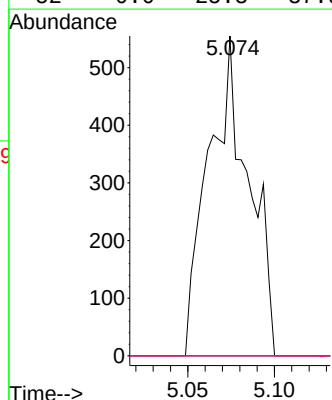
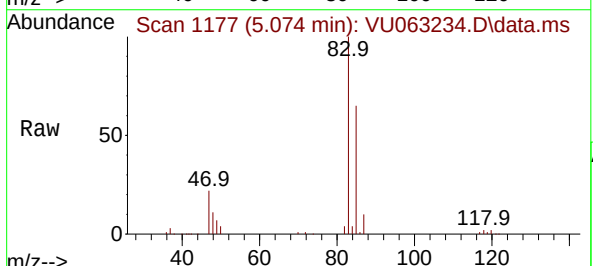
Instrument :
MSVOA_U
ClientSampleId :

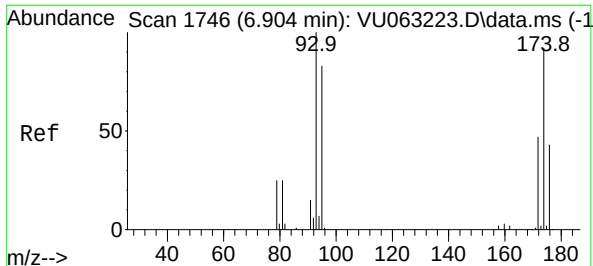
Tgt Ion: 83 Resp: 224830
Ion Ratio Lower Upper
83 100
85 64.6 0.0 129.8



#39
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.074 min Scan# 1177
Delta R.T. 0.116 min
Lab File: VU063234.D
Acq: 11 Feb 2025 13:55

Tgt Ion: 41 Resp: 894
Ion Ratio Lower Upper
41 100
67 0.0 64.5 96.7#
39 2.2 43.0 64.6#
52 0.0 25.3 37.9#





#43

Dibromomethane

Concen: 0.466 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.190 min

Lab File: VU063234.D

Acq: 11 Feb 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :

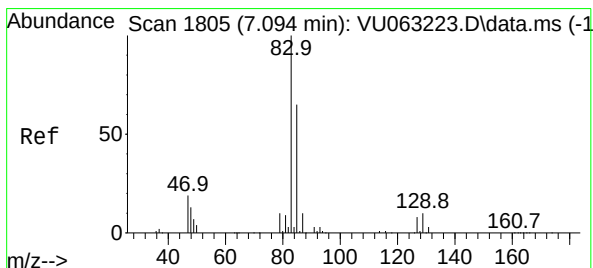
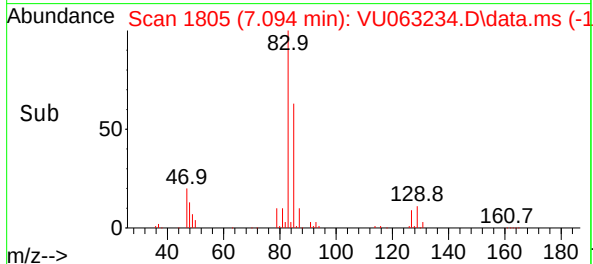
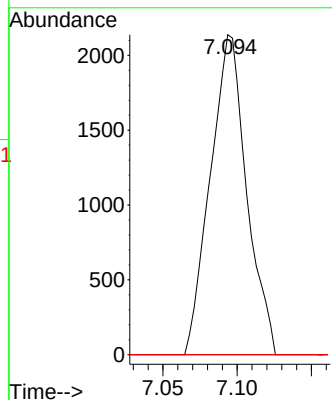
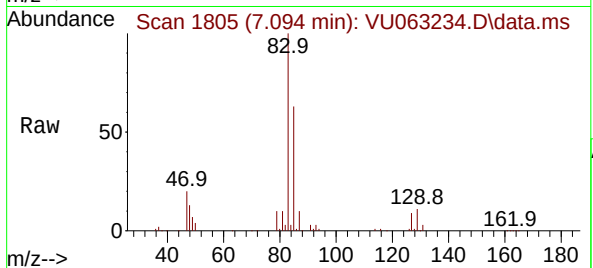
Tgt Ion: 93 Resp: 3635

Ion Ratio Lower Upper

93 100

95 0.0 67.2 100.8#

174 0.0 75.7 113.5#



#44

Bromodichloromethane

Concen: 6.828 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VU063234.D

Acq: 11 Feb 2025 13:55

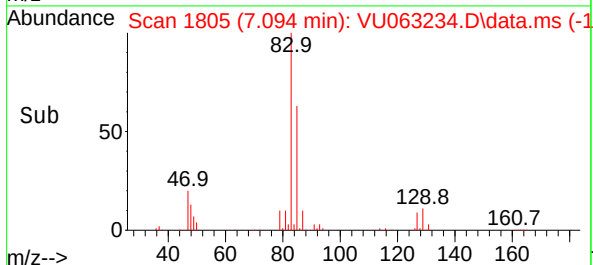
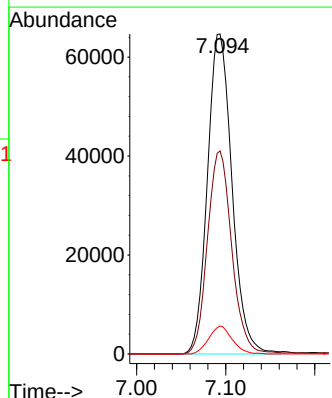
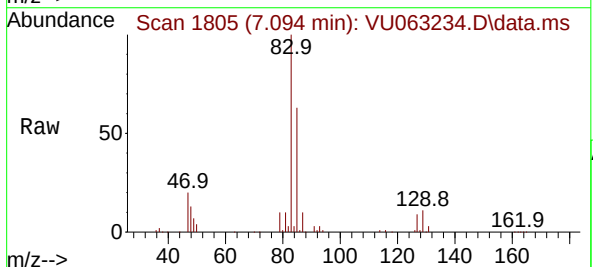
Tgt Ion: 83 Resp: 124082

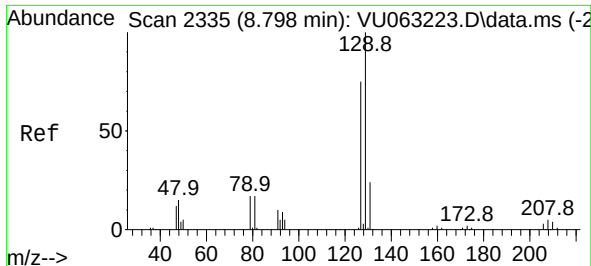
Ion Ratio Lower Upper

83 100

85 63.4 51.7 77.5

127 8.7 6.7 10.1





#55

Dibromochloromethane

Concen: 6.372 ug/l

RT: 8.798 min Scan# 24

Delta R.T. -0.000 min MSVOA_U

Lab File: VU063234.D

Acq: 11 Feb 2025 13:55

Instrument :

MSVOA_U

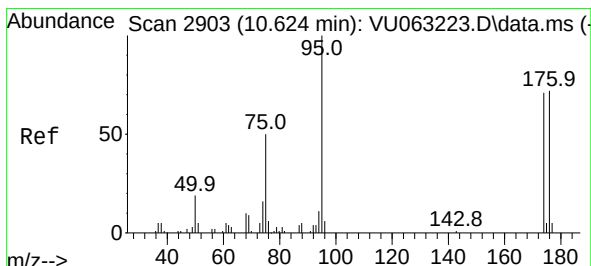
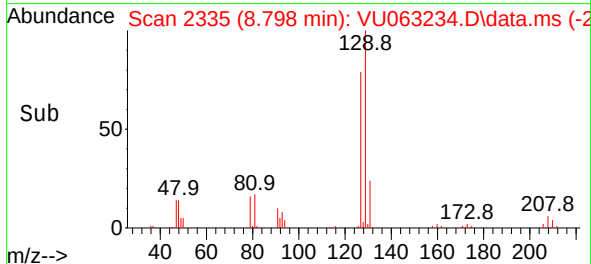
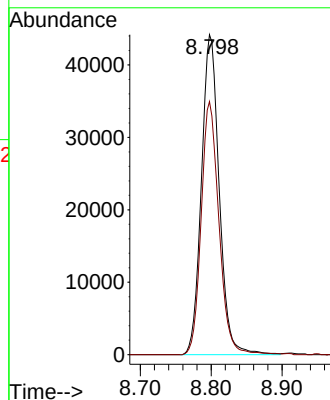
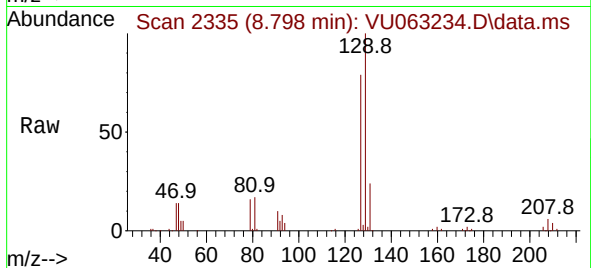
ClientSampleId :

Tgt Ion:129 Resp: 77163

Ion Ratio Lower Upper

129 100

127 78.9 60.4 90.6



#57

4-Bromofluorobenzene

Concen: 0.891 ug/l

RT: 10.627 min Scan# 2904

Delta R.T. 0.003 min

Lab File: VU063234.D

Acq: 11 Feb 2025 13:55

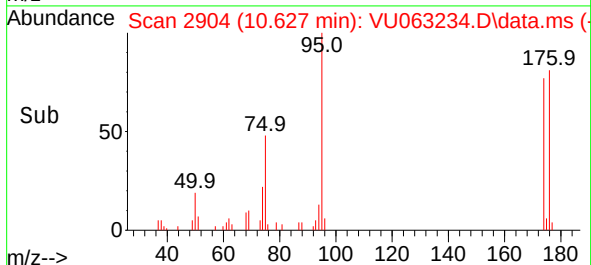
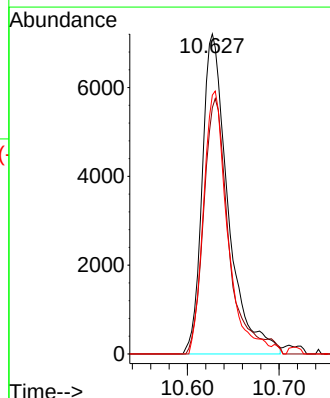
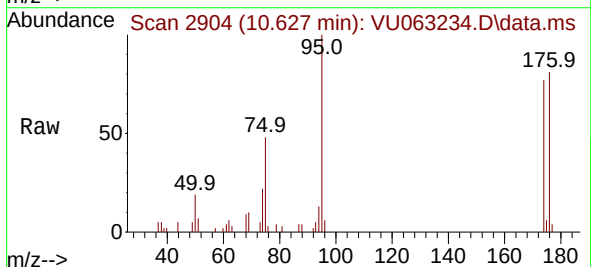
Tgt Ion: 95 Resp: 14090

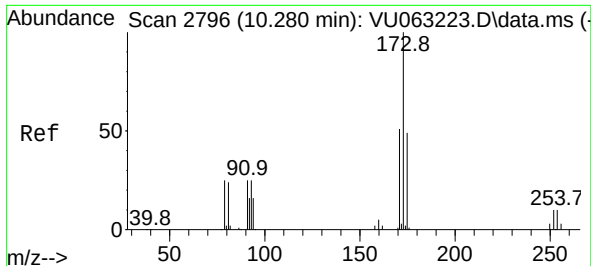
Ion Ratio Lower Upper

95 100

174 78.1 58.6 88.0

176 76.5 58.2 87.4

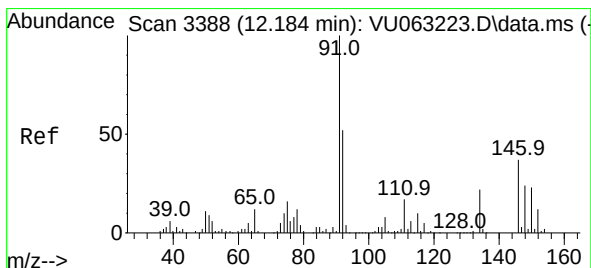
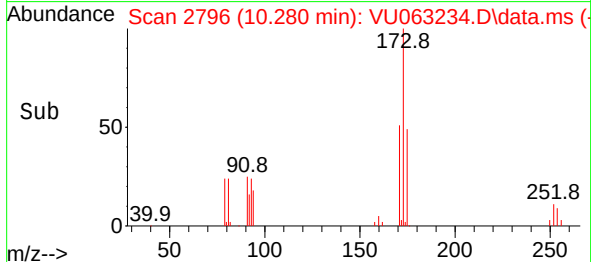
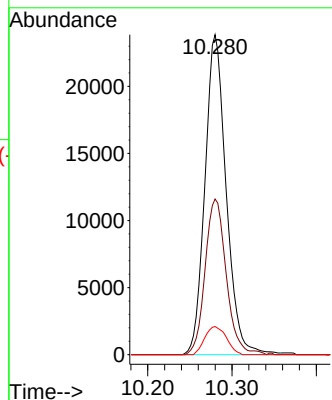
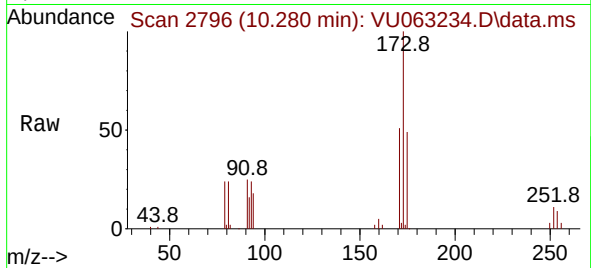




#67
Bromoform
Concen: 6.094 ug/l
RT: 10.280 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU063234.D
Acq: 11 Feb 2025 13:55

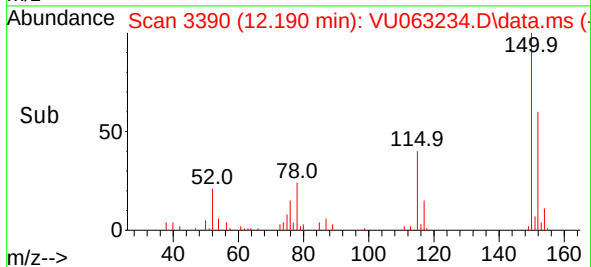
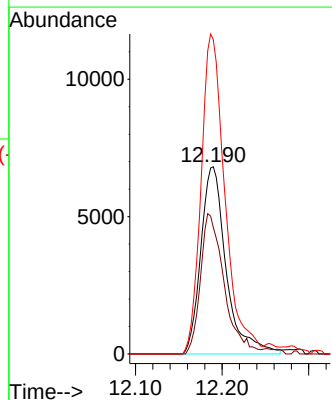
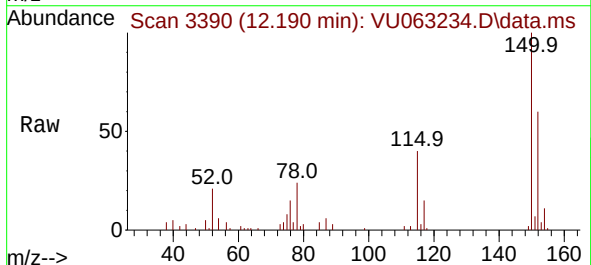
Instrument :
MSVOA_U
ClientSampleId :

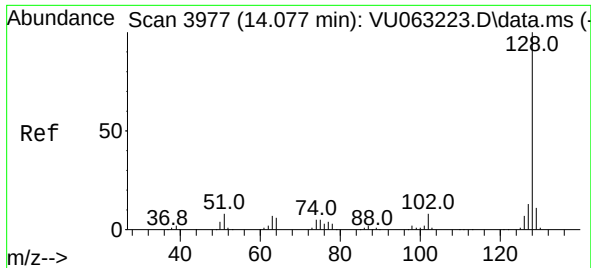
Tgt Ion:173 Resp: 41888
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.4
254 8.9 7.7 11.5



#68
1,2-Dichlorobenzene-d4
Concen: 0.843 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.006 min
Lab File: VU063234.D
Acq: 11 Feb 2025 13:55

Tgt Ion:152 Resp: 13870
Ion Ratio Lower Upper
152 100
115 69.7 0.0 275.2
150 160.7 0.0 658.4





#89

Naphthalene

Concen: 0.677 ug/l

RT: 14.132 min Scan# 3994

Delta R.T. 0.055 min

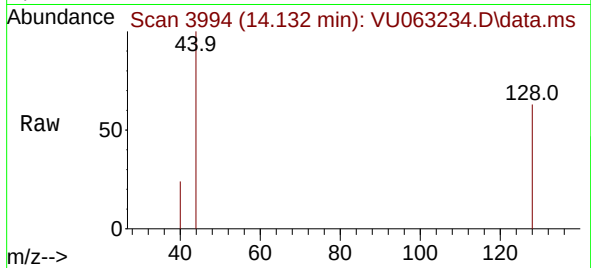
Lab File: VU063234.D

Acq: 11 Feb 2025 13:55

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 591

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

