

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021025\
 Data File : VU063230.D
 Acq On : 10 Feb 2025 20:29
 Operator : MD/SY
 Sample : Q1172-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

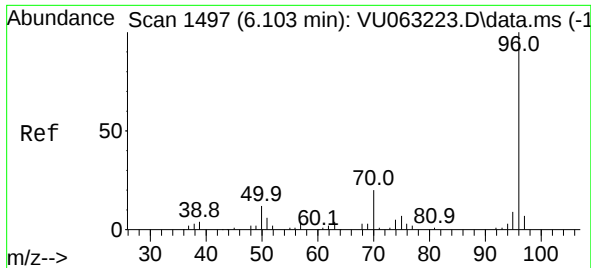
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 04:29:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 04:17:17 2025
 Response via : Initial Calibration

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

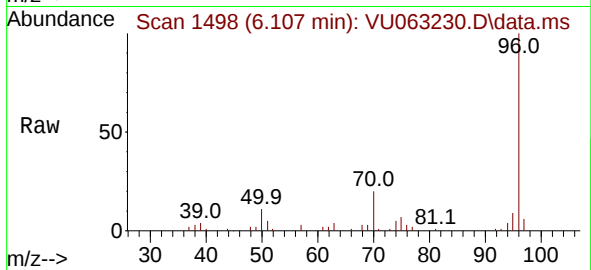
Internal Standards						
1) Fluorobenzene	6.107	96	51546	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14652	0.862	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14869	0.841	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.846	94	2124	0.241	ug/l	98
13) Acetone	2.621	43	1023	0.441	ug/l #	71
24) tert-Butyl Alcohol	3.174	59	9654	2.039	ug/l #	74
27) Chloroform	5.071	83	1390948	48.993	ug/l	98
39) Methacrylonitrile	5.068	41	4513	1.088	ug/l #	21
41) Tetrahydrofuran	5.065	42	2955	1.225	ug/l #	1
43) Dibromomethane	7.094	93	23910	2.848	ug/l #	5
44) Bromodichloromethane	7.090	83	798581	40.874	ug/l	99
46) t-1,4-Dichloro-2-butene	10.624	75	7268	1.757	ug/l #	22
55) Dibromochloromethane	8.798	129	508351	39.041	ug/l	98
67) Bromoform	10.280	173	292468	39.576	ug/l	99
71) 1,2,3-Trichloropropane	10.624	75	7268	0.634	ug/l #	43
89) Naphthalene	14.129	128	943	0.687	ug/l #	82

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

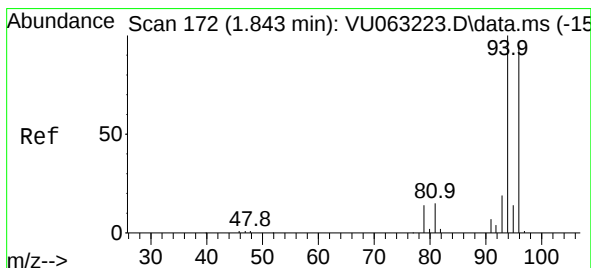
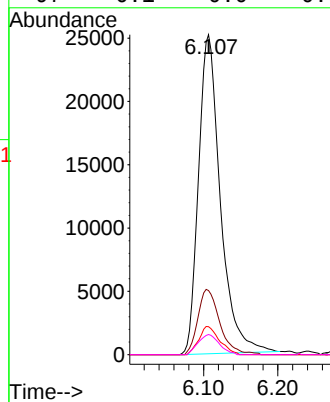
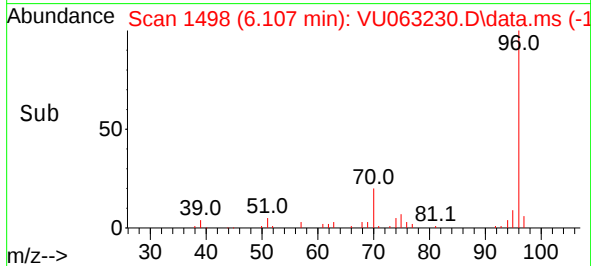


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 1497
Delta R.T. 0.004 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

Instrument :
MSVOA_U
ClientSampleId :

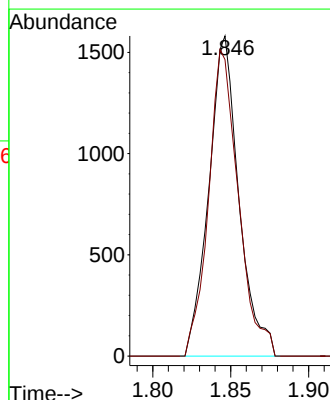
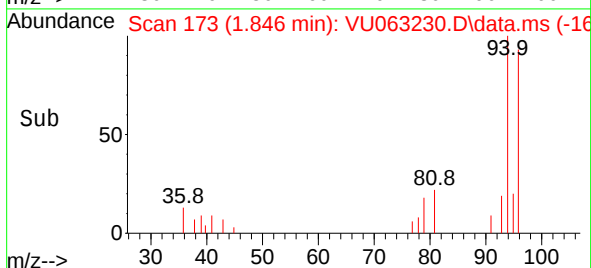
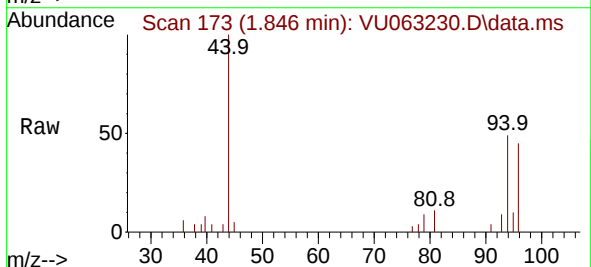


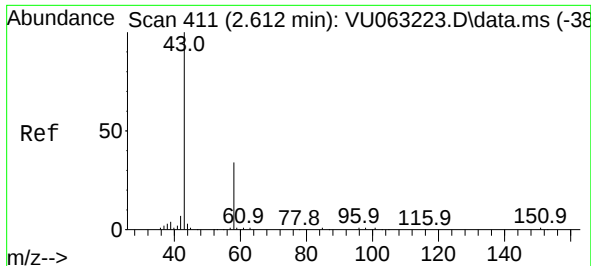
Tgt Ion: 96 Resp: 51546
Ion Ratio Lower Upper
96 100
70 20.5 15.6 23.4
95 8.3 7.3 10.9
97 6.1 0.0 0.0#



#5
Bromomethane
Concen: 0.241 ug/l
RT: 1.846 min Scan# 173
Delta R.T. 0.003 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

Tgt Ion: 94 Resp: 2124
Ion Ratio Lower Upper
94 100
96 92.6 75.7 113.5

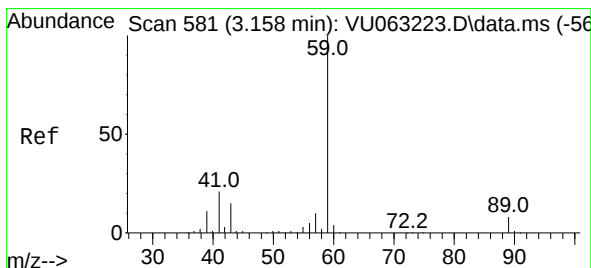
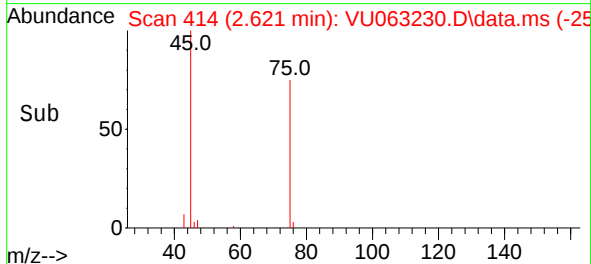
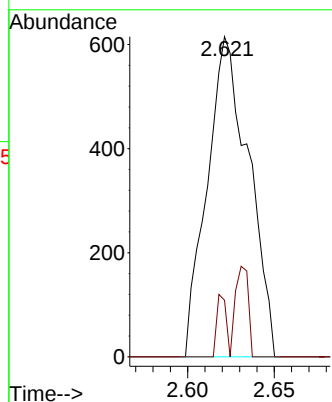
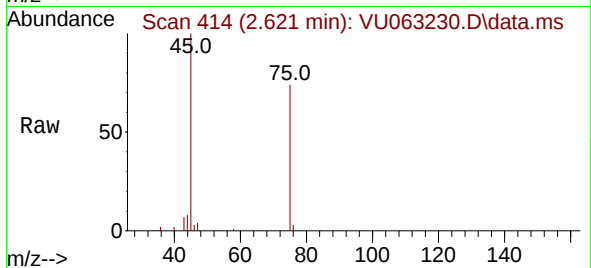




#13
Acetone
Concen: 0.441 ug/l
RT: 2.621 min Scan# 411
Delta R.T. 0.010 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

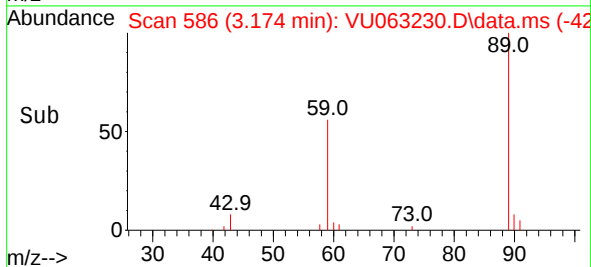
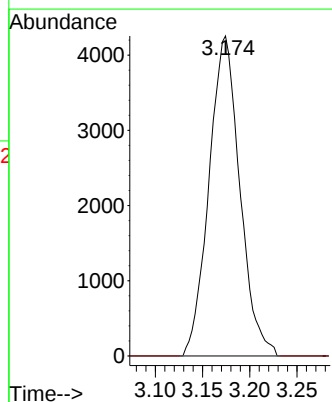
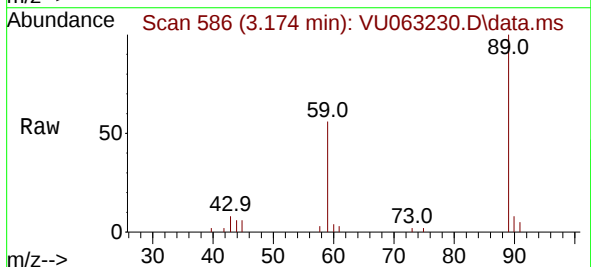
Instrument :
MSVOA_U
ClientSampleId :

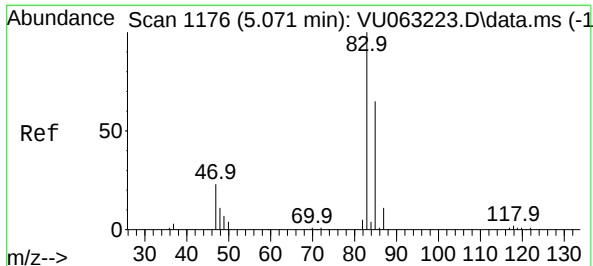
Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
58 17.7 27.4 41.0#



#24
tert-Butyl Alcohol
Concen: 2.039 ug/l
RT: 3.174 min Scan# 586
Delta R.T. 0.016 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

Tgt Ion: 59 Resp: 9654
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

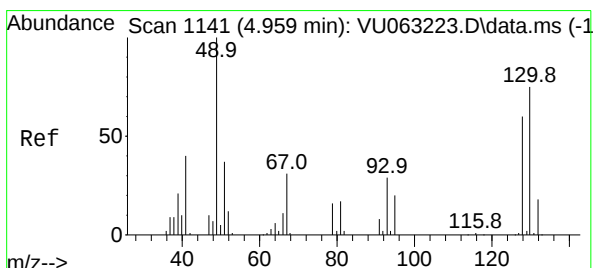
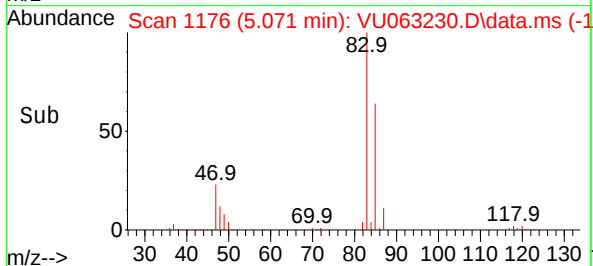
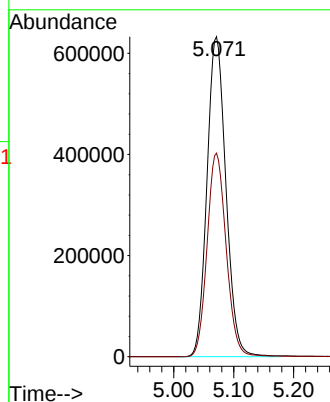
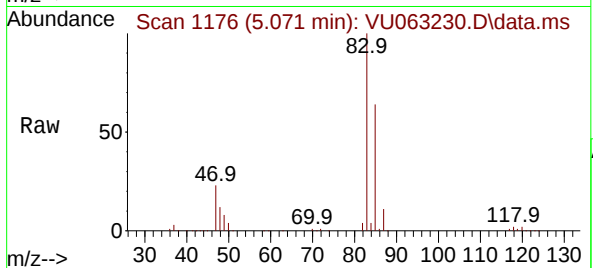




#27
Chloroform
Concen: 48.993 ug/l
RT: 5.071 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

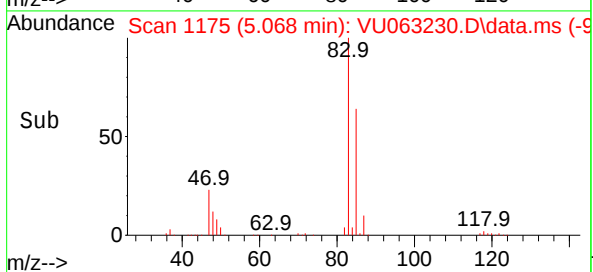
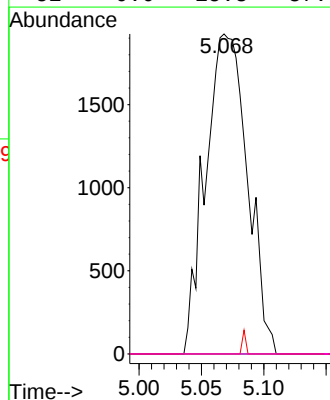
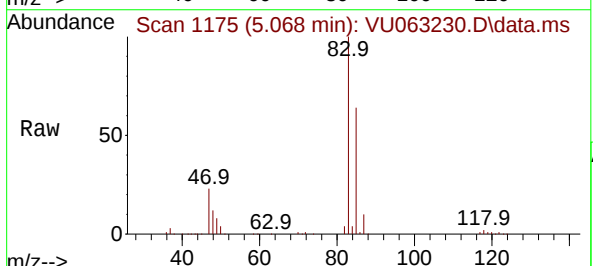
Instrument :
MSVOA_U
ClientSampleId :

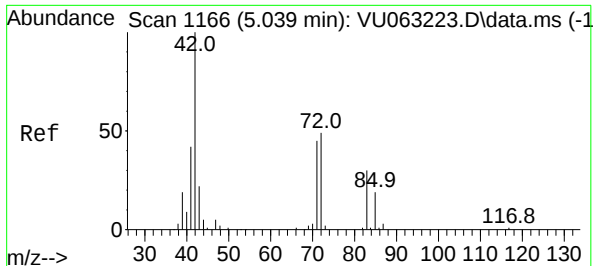
Tgt Ion: 83 Resp: 1390948
Ion Ratio Lower Upper
83 100
85 63.6 0.0 129.8



#39
Methacrylonitrile
Concen: 1.088 ug/l
RT: 5.068 min Scan# 1175
Delta R.T. 0.109 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

Tgt Ion: 41 Resp: 4513
Ion Ratio Lower Upper
41 100
67 0.0 64.5 96.7#
39 0.6 43.0 64.6#
52 0.0 25.3 37.9#





#41

Tetrahydrofuran

Concen: 1.225 ug/l

RT: 5.065 min Scan# 1166

Delta R.T. 0.026 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

Instrument :

MSVOA_U

ClientSampleId :

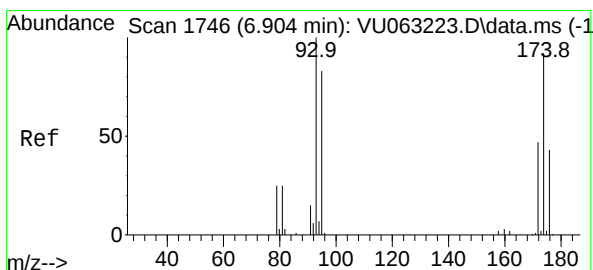
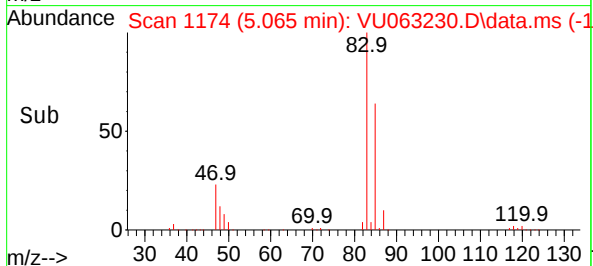
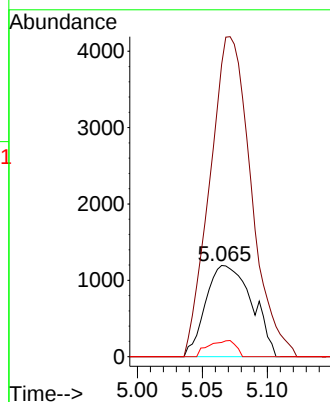
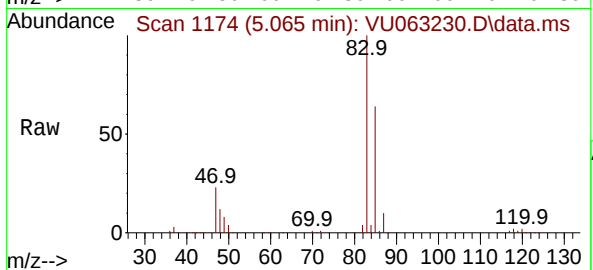
Tgt Ion: 42 Resp: 2955

Ion Ratio Lower Upper

42 100

72 313.4 41.5 62.3#

71 10.5 37.2 55.8#



#43

Dibromomethane

Concen: 2.848 ug/l

RT: 7.094 min Scan# 1805

Delta R.T. 0.190 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

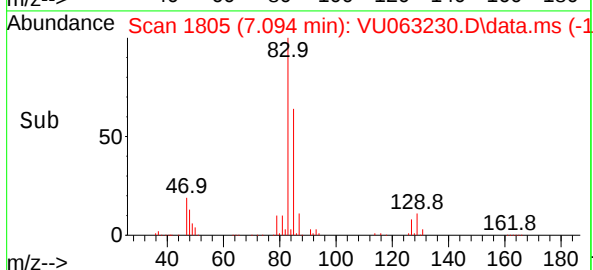
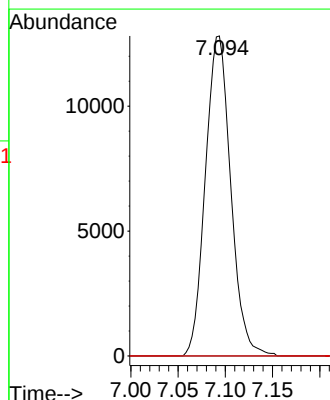
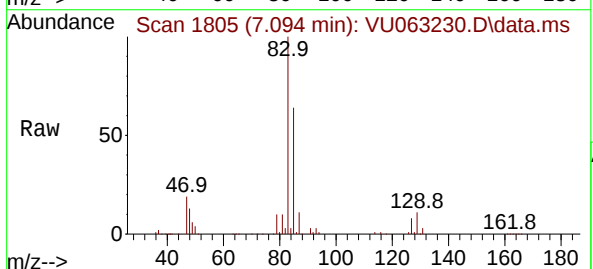
Tgt Ion: 93 Resp: 23910

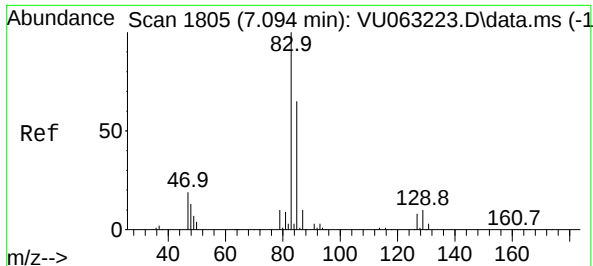
Ion Ratio Lower Upper

93 100

95 0.0 67.2 100.8#

174 0.0 75.7 113.5#

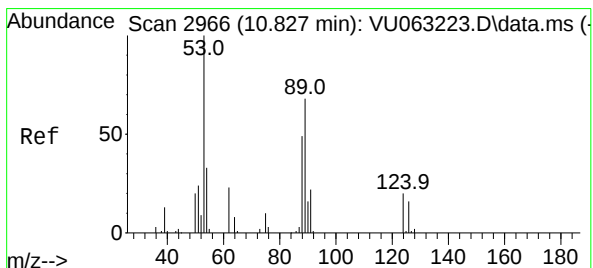
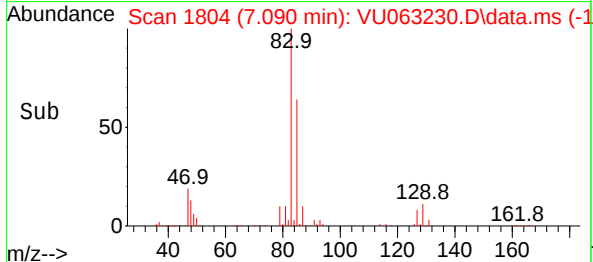
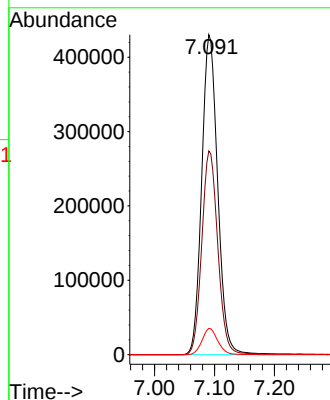
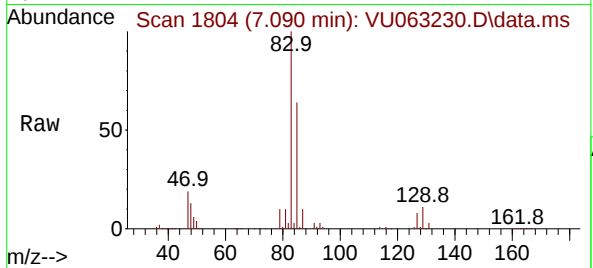




#44
Bromodichloromethane
Concen: 40.874 ug/l
RT: 7.090 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

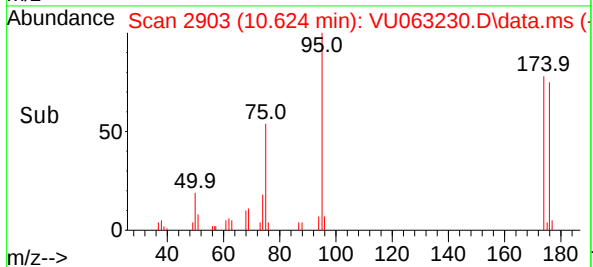
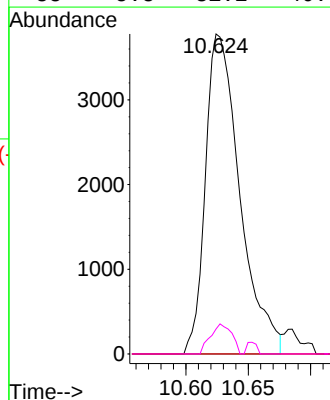
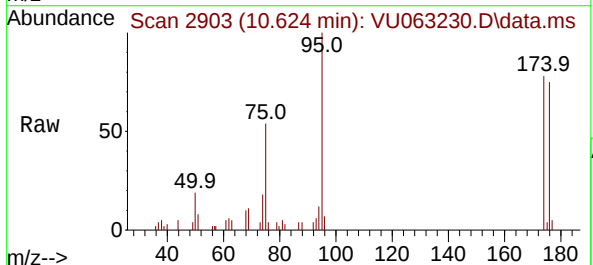
Instrument :
MSVOA_U
ClientSampleId :

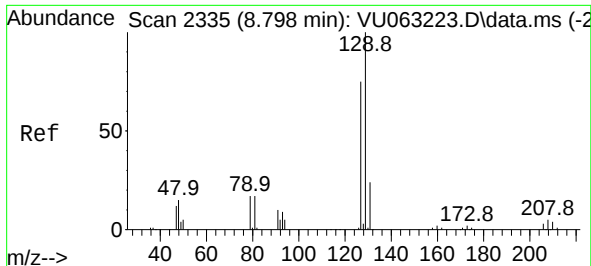
Tgt Ion: 83 Resp: 798581
Ion Ratio Lower Upper
83 100
85 63.7 51.7 77.5
127 8.2 6.7 10.1



#46
t-1,4-Dichloro-2-butene
Concen: 1.757 ug/l
RT: 10.624 min Scan# 2903
Delta R.T. -0.203 min
Lab File: VU063230.D
Acq: 10 Feb 2025 20:29

Tgt Ion: 75 Resp: 7268
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 43.4 65.2#
88 5.8 31.2 46.8#





#55

Dibromochloromethane

Concen: 39.041 ug/l

RT: 8.798 min Scan# 2335

Delta R.T. 0.000 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

Instrument :

MSVOA_U

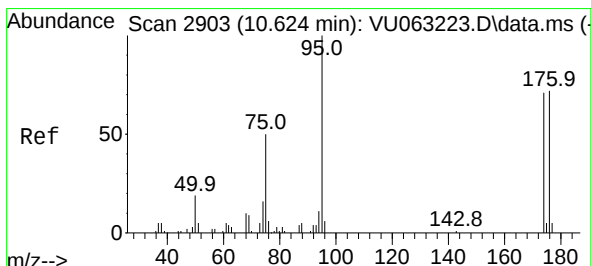
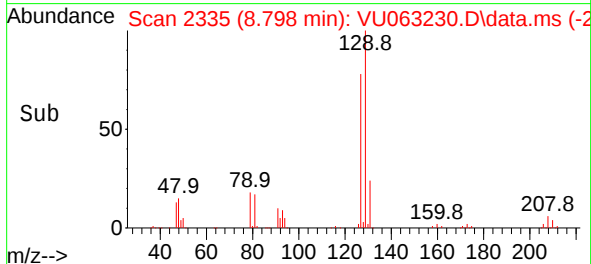
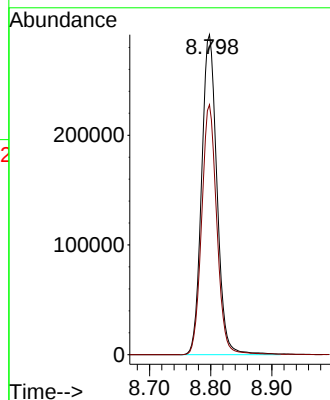
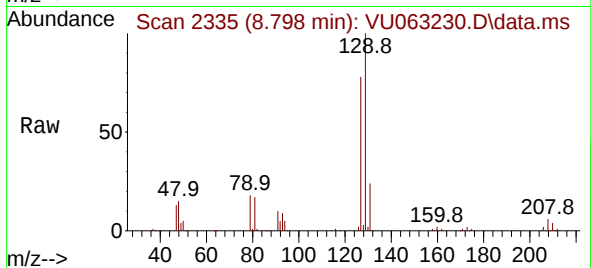
ClientSampleId :

Tgt Ion:129 Resp: 508351

Ion Ratio Lower Upper

129 100

127 77.2 60.4 90.6



#57

4-Bromofluorobenzene

Concen: 0.862 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.006 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

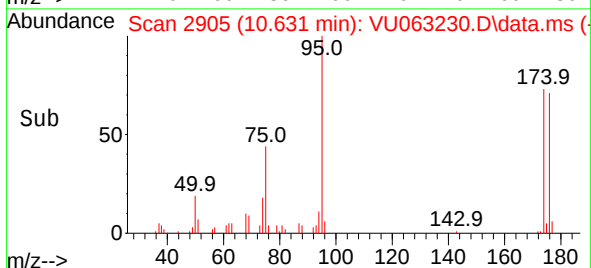
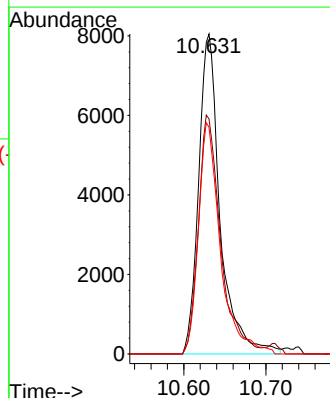
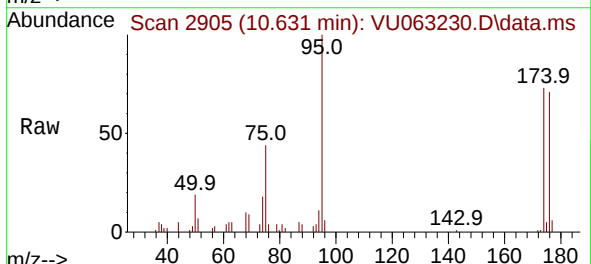
Tgt Ion: 95 Resp: 14652

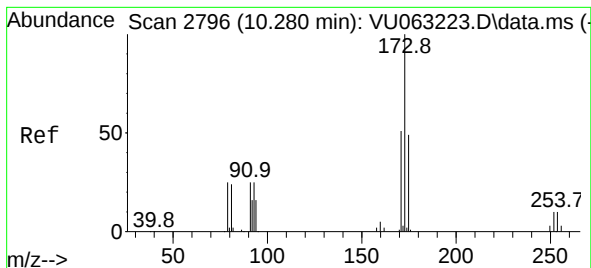
Ion Ratio Lower Upper

95 100

174 77.2 58.6 88.0

176 73.9 58.2 87.4





#67

Bromoform

Concen: 39.576 ug/l

RT: 10.280 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

Instrument :

MSVOA_U

ClientSampleId :

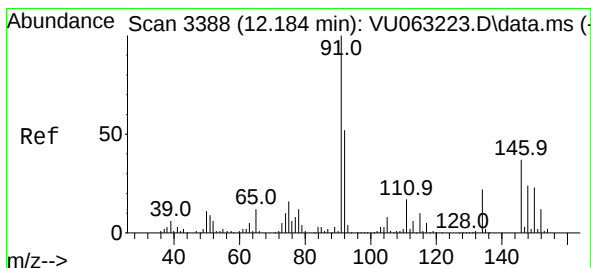
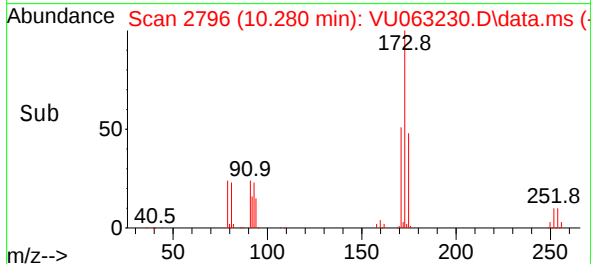
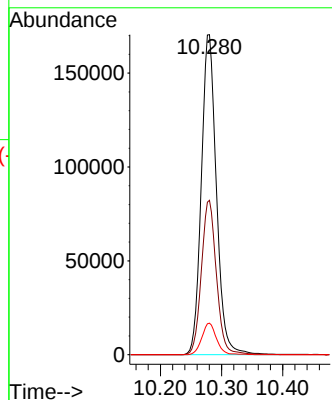
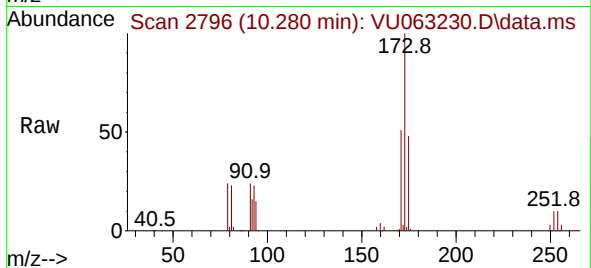
Tgt Ion:173 Resp: 292468

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 9.6 7.7 11.5



#68

1,2-Dichlorobenzene-d4

Concen: 0.841 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.003 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

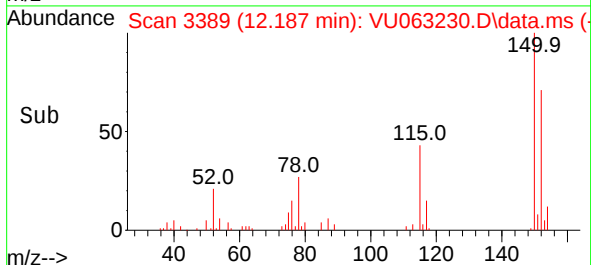
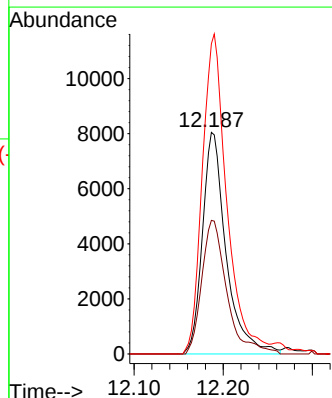
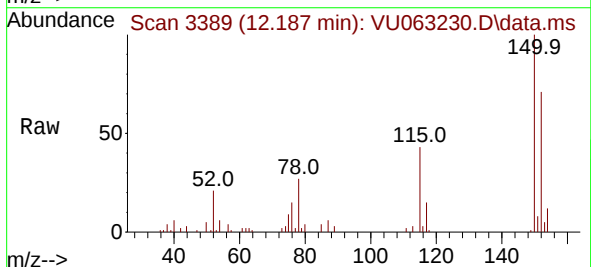
Tgt Ion:152 Resp: 14869

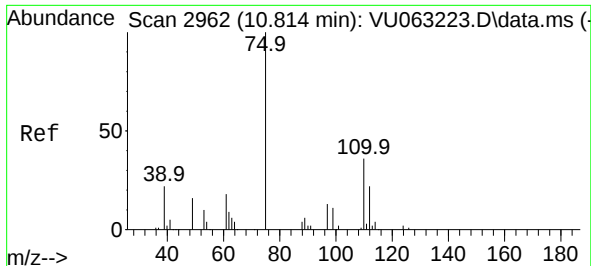
Ion Ratio Lower Upper

152 100

115 63.6 0.0 275.2

150 149.2 0.0 658.4





#71

1,2,3-Trichloropropane

Concen: 0.634 ug/l

RT: 10.624 min Scan# 2962

Delta R.T. -0.190 min

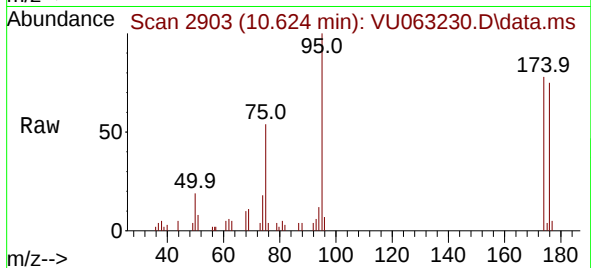
Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 7268

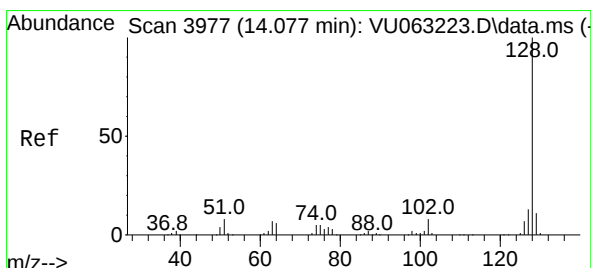
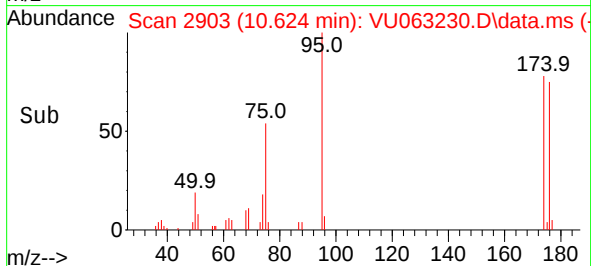
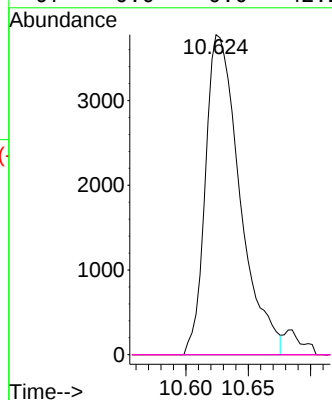
Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#

110 0.0 0.0 77.0

97 0.0 0.0 42.2



#89

Naphthalene

Concen: 0.687 ug/l

RT: 14.129 min Scan# 3993

Delta R.T. 0.051 min

Lab File: VU063230.D

Acq: 10 Feb 2025 20:29

Tgt Ion:128 Resp: 943

Ion Ratio Lower Upper

128 100

127 9.9 10.6 16.0#

129 0.0 8.6 13.0#

