

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063236.D
 Acq On : 11 Feb 2025 15:21
 Operator : MD/SY
 Sample : Q1172-10DL 5X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 12 03:19:28 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)

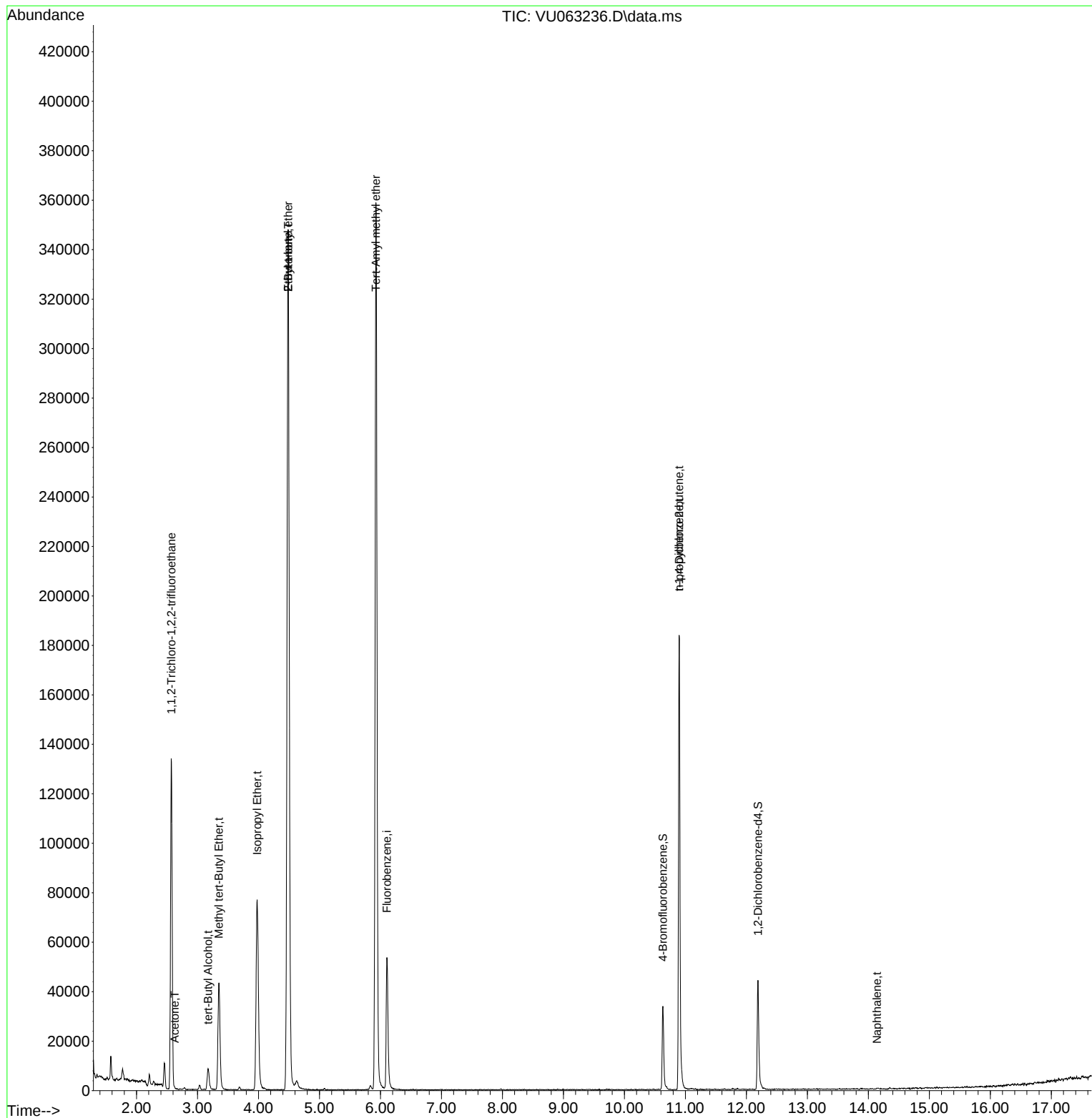
Internal Standards						
1) Fluorobenzene	6.106	96	53387	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13344	0.758	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14587	0.797	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
						Qvalue
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	54966	4.135	ug/l	99
13) Acetone	2.628	43	999	0.416	ug/l	98
18) 2-Butanone	4.486	43	38311	10.021	ug/l #	1
24) tert-Butyl Alcohol	3.174	59	9887	1.939	ug/l #	86
25) Methyl tert-Butyl Ether	3.351	73	48365	1.430	ug/l	97
31) Isopropyl Ether	3.978	45	80434	1.934	ug/l	96
32) Ethyl-t-butyl ether	4.486	59	353365	9.341	ug/l	100
33) Tert-Amyl methyl ether	5.926	73	280574	8.489	ug/l	99
46) t-1,4-Dichloro-2-butene	10.897	75	865	0.202	ug/l #	1
73) n-propylbenzene	10.897	120	31792	1.881	ug/l	95
89) Naphthalene	14.142	128	352	0.668	ug/l #	69

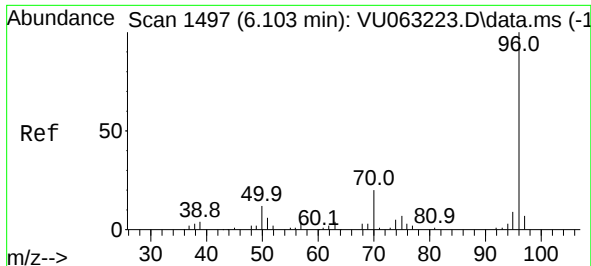
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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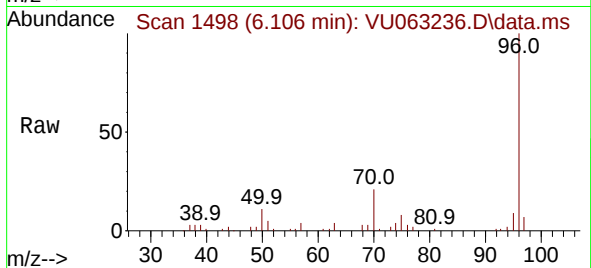
Quant Time: Feb 12 03:19:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 11 08:42:19 2025
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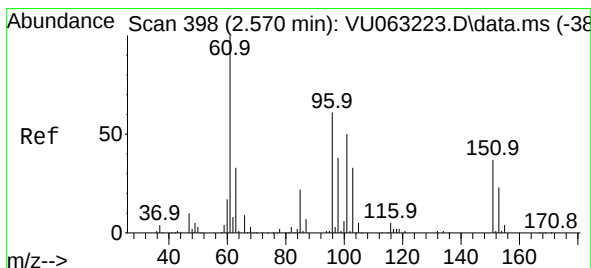
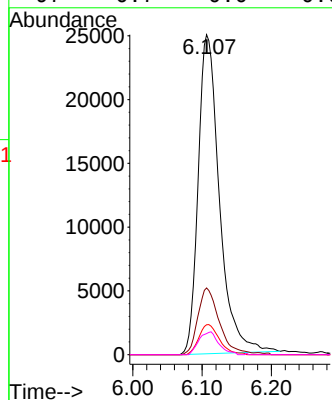
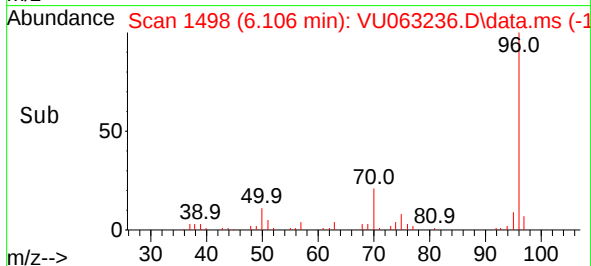


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.106 min Scan# 1497
Delta R.T. 0.003 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

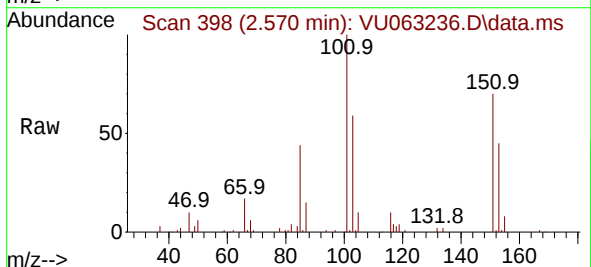
Instrument :
MSVOA_U
ClientSampleId :



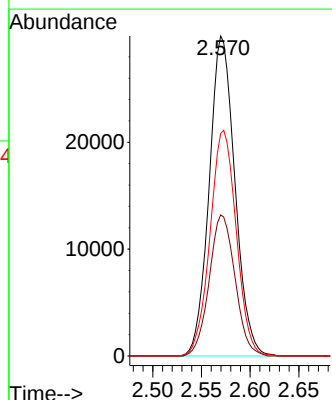
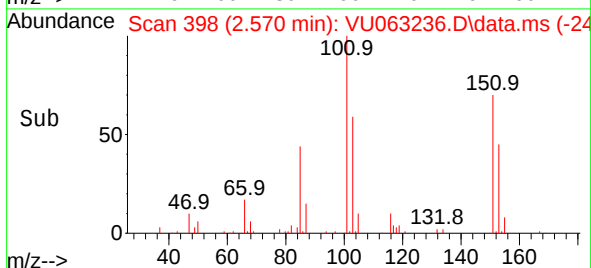
Tgt Ion: 96 Resp: 53387
Ion Ratio Lower Upper
96 100
70 20.2 15.6 23.4
95 9.1 7.3 10.9
97 6.7 0.0 0.0#

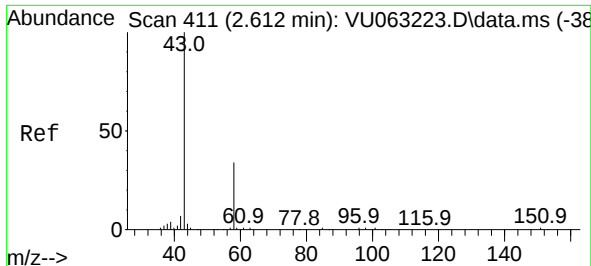


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.135 ug/l
RT: 2.570 min Scan# 398
Delta R.T. -0.000 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21



Tgt Ion: 101 Resp: 54966
Ion Ratio Lower Upper
101 100
85 44.2 35.4 53.0
151 72.0 58.5 87.7

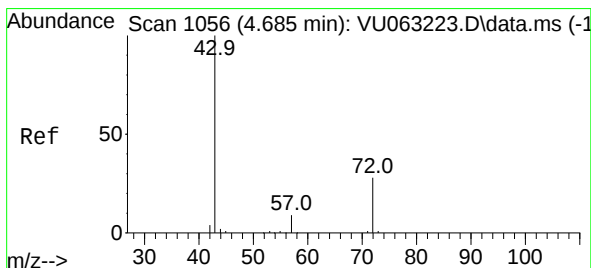
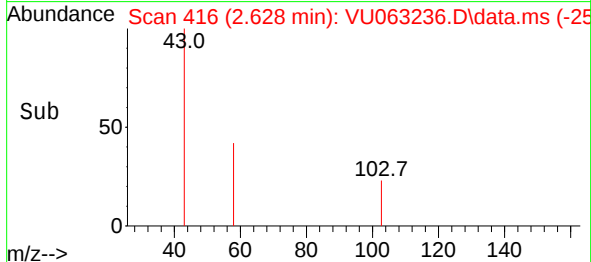
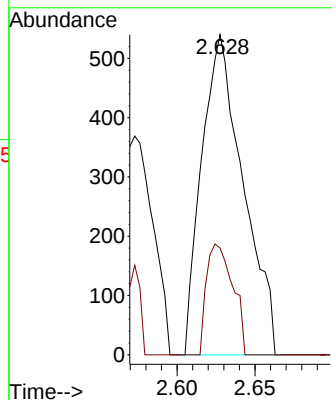
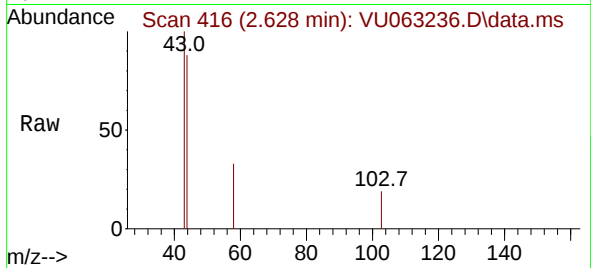




#13
Acetone
Concen: 0.416 ug/l
RT: 2.628 min Scan# 411
Delta R.T. 0.016 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

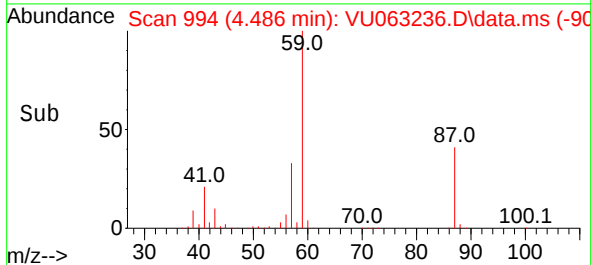
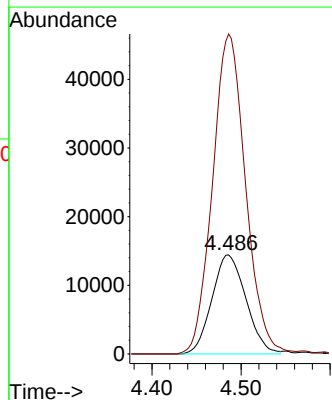
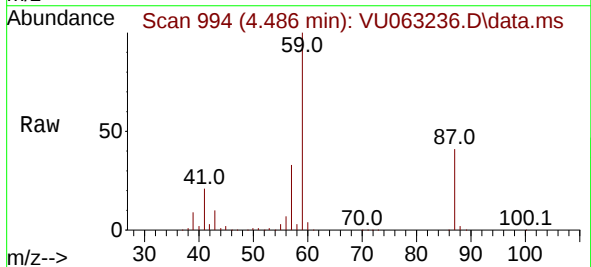
Instrument :
MSVOA_U
ClientSampleId :

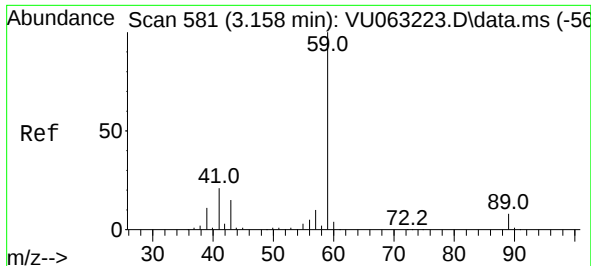
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 33.3 27.4 41.0



#18
2-Butanone
Concen: 10.021 ug/l
RT: 4.486 min Scan# 994
Delta R.T. -0.199 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

Tgt Ion: 43 Resp: 38311
Ion Ratio Lower Upper
43 100
57 322.0 0.0 17.0#

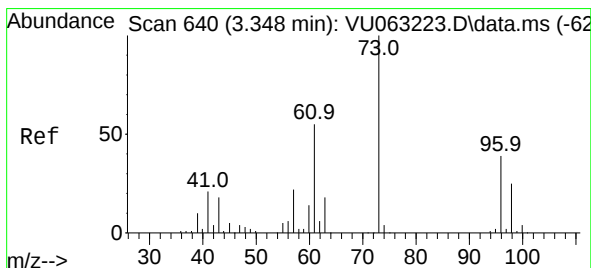
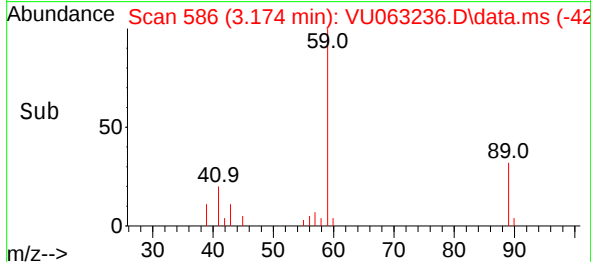
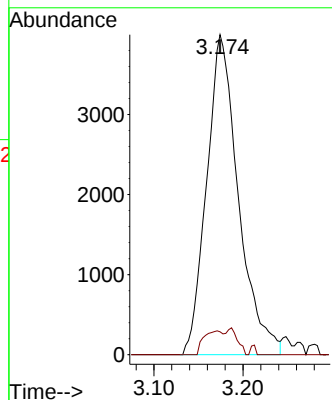
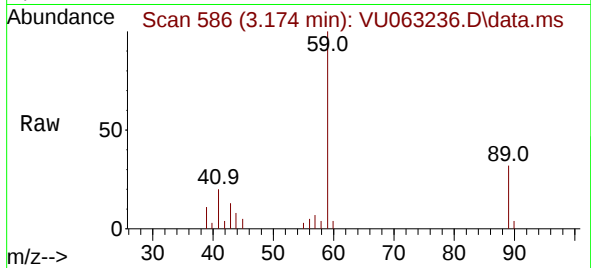




#24
tert-Butyl Alcohol
Concen: 1.939 ug/l
RT: 3.174 min Scan# 586
Delta R.T. 0.016 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

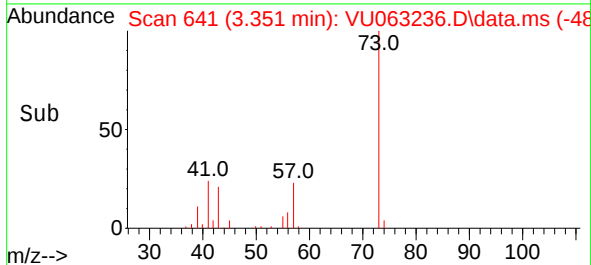
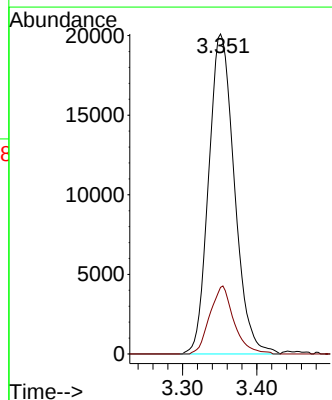
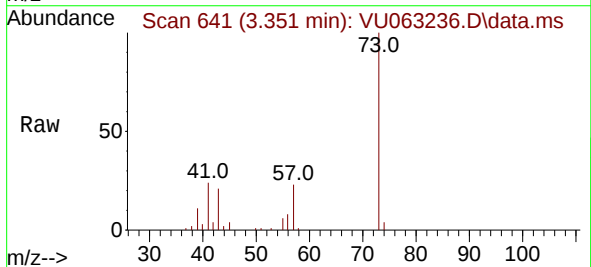
Instrument :
MSVOA_U
ClientSampleId :

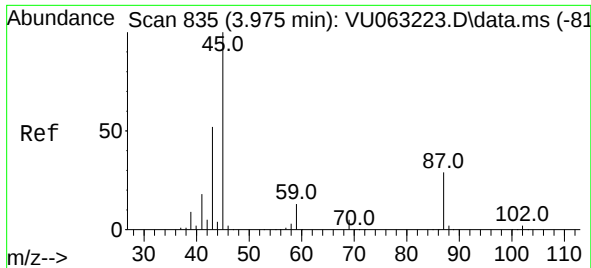
Tgt Ion: 59 Resp: 9887
Ion Ratio Lower Upper
59 100
57 4.5 7.5 11.3#



#25
Methyl tert-Butyl Ether
Concen: 1.430 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

Tgt Ion: 73 Resp: 48365
Ion Ratio Lower Upper
73 100
43 19.9 14.9 22.3

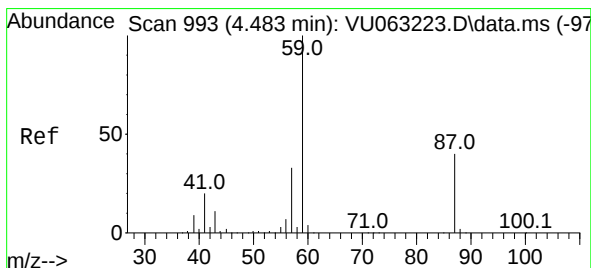
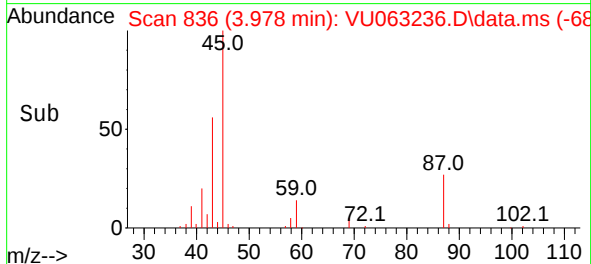
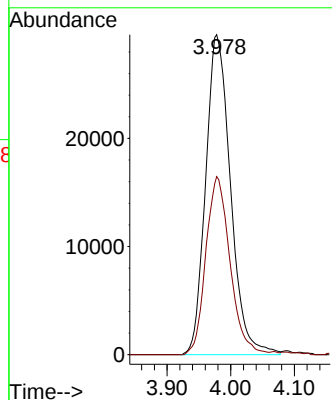
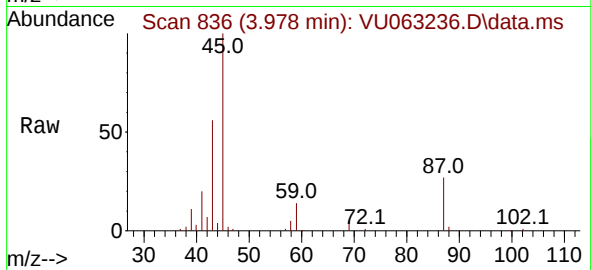




#31
Isopropyl Ether
Concen: 1.934 ug/l
RT: 3.978 min Scan# 836
Delta R.T. 0.003 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

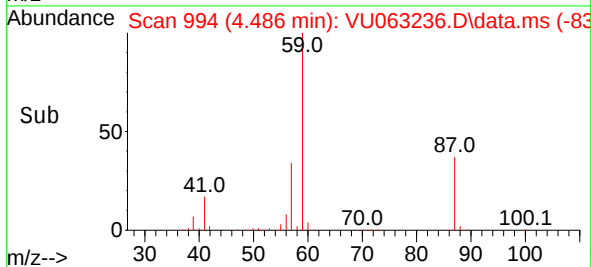
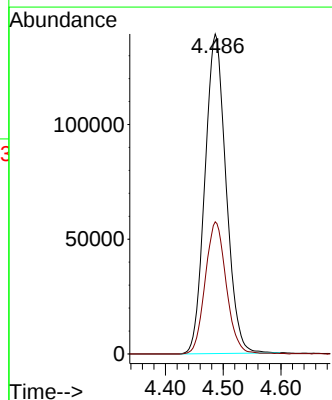
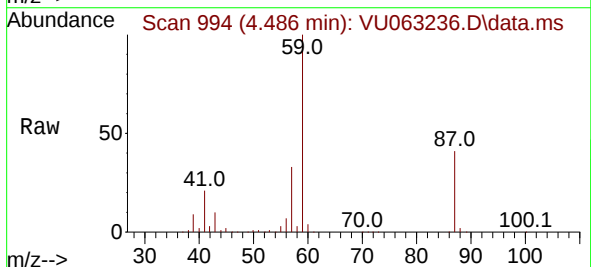
Instrument :
MSVOA_U
ClientSampleId :

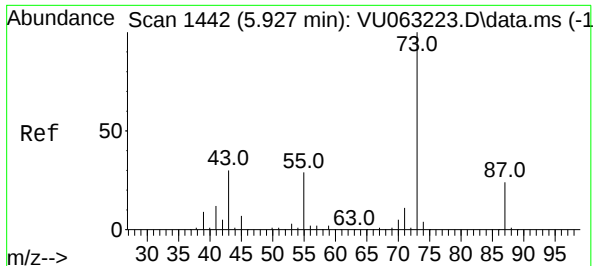
Tgt Ion: 45 Resp: 80434
Ion Ratio Lower Upper
45 100
43 54.1 25.7 77.1



#32
Ethyl-t-butyl ether
Concen: 9.341 ug/l
RT: 4.486 min Scan# 994
Delta R.T. 0.003 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

Tgt Ion: 59 Resp: 353365
Ion Ratio Lower Upper
59 100
87 41.0 32.6 49.0





#33

Tert-Amyl methyl ether

Concen: 8.489 ug/l

RT: 5.926 min Scan# 14

Delta R.T. -0.000 min

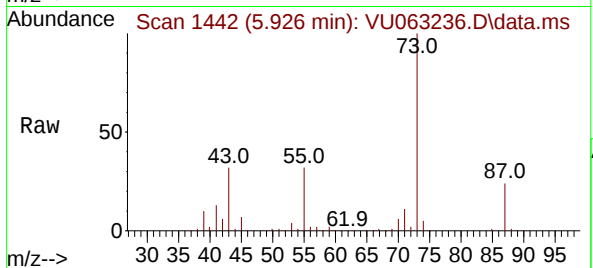
Lab File: VU063236.D

Acq: 11 Feb 2025 15:21

Instrument :

MSVOA_U

ClientSampleId :



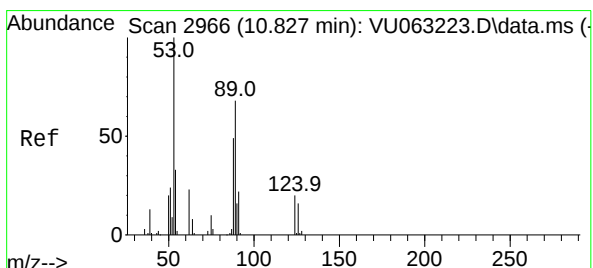
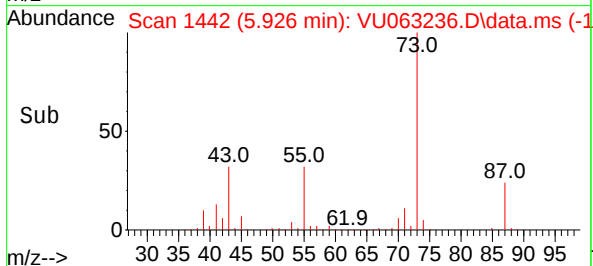
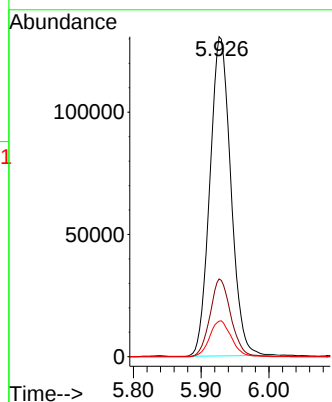
Tgt Ion: 73 Resp: 280574

Ion Ratio Lower Upper

73 100

87 24.1 18.9 28.3

71 11.6 9.0 13.4



#46

t-1,4-Dichloro-2-butene

Concen: 0.202 ug/l

RT: 10.897 min Scan# 2988

Delta R.T. 0.071 min

Lab File: VU063236.D

Acq: 11 Feb 2025 15:21

Tgt Ion: 75 Resp: 865

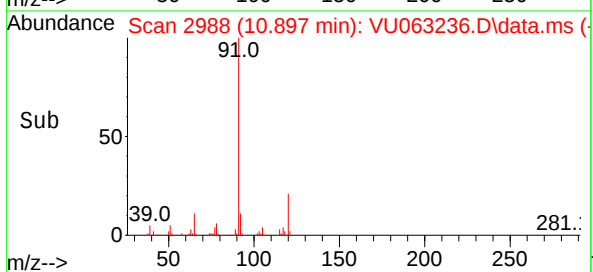
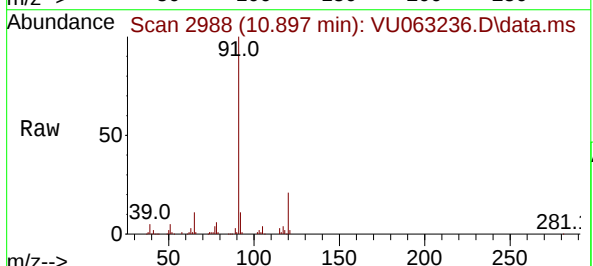
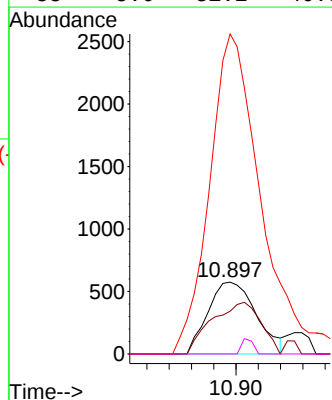
Ion Ratio Lower Upper

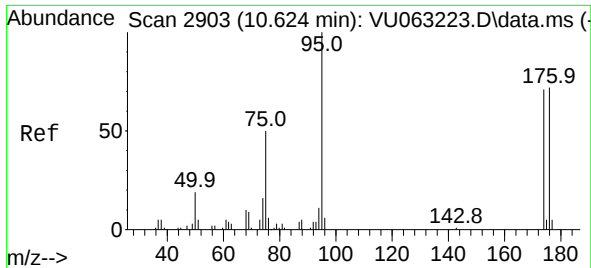
75 100

53 73.1 64.5 96.7

89 473.2 43.4 65.2#

88 5.0 31.2 46.8#





#57

4-Bromofluorobenzene

Concen: 0.758 ug/l

RT: 10.630 min Scan# 2905

Delta R.T. 0.006 min

Lab File: VU063236.D

Acq: 11 Feb 2025 15:21

Instrument :

MSVOA_U

ClientSampleId :

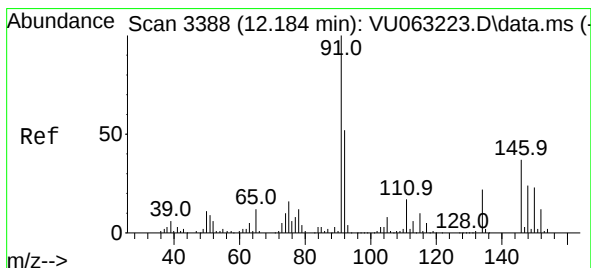
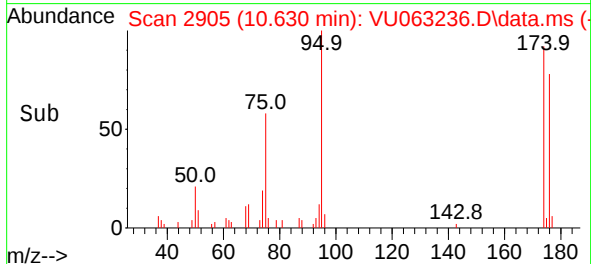
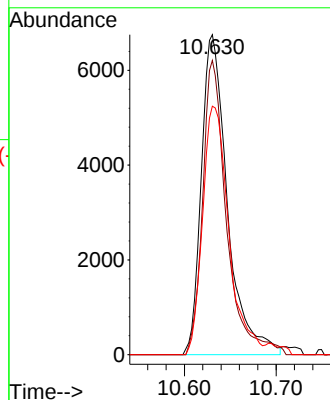
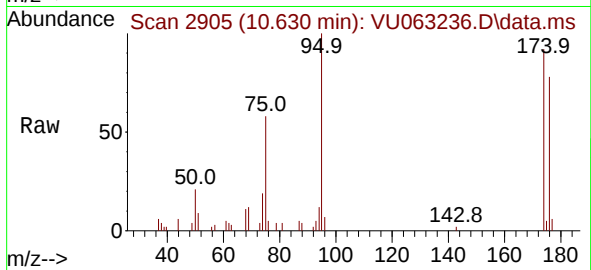
Tgt Ion: 95 Resp: 13344

Ion Ratio Lower Upper

95 100

174 84.1 58.6 88.0

176 77.9 58.2 87.4



#68

1,2-Dichlorobenzene-d4

Concen: 0.797 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.006 min

Lab File: VU063236.D

Acq: 11 Feb 2025 15:21

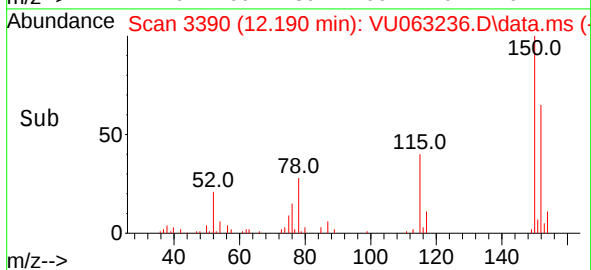
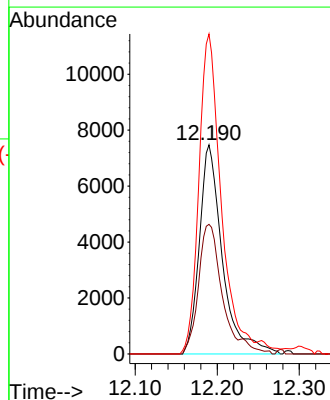
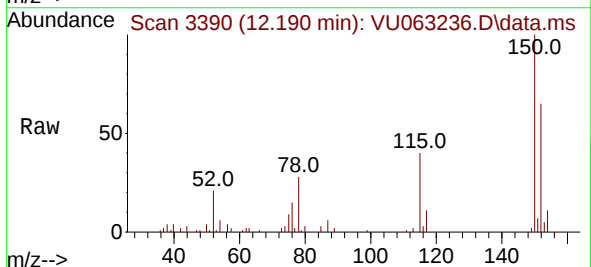
Tgt Ion:152 Resp: 14587

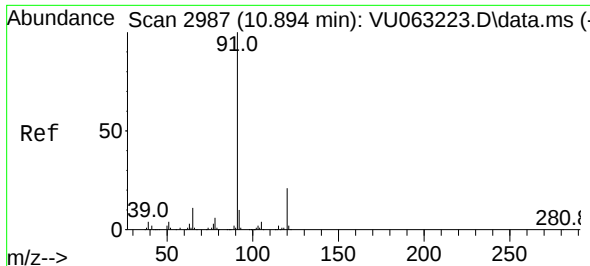
Ion Ratio Lower Upper

152 100

115 64.6 0.0 275.2

150 147.8 0.0 658.4

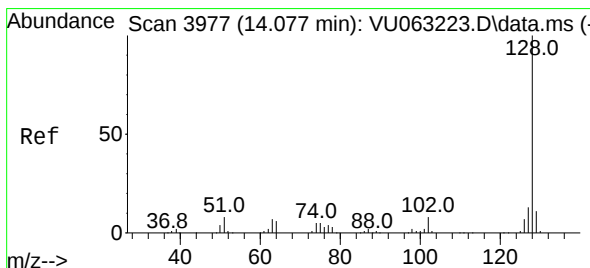
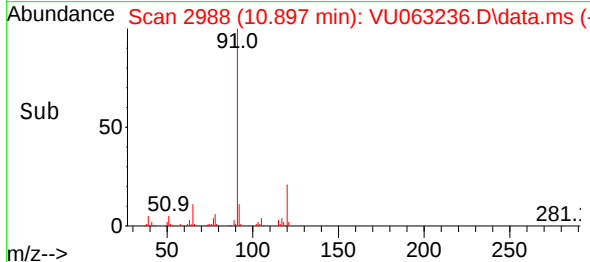
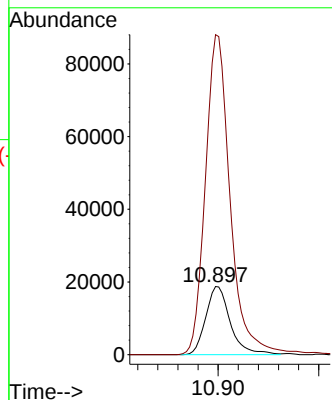
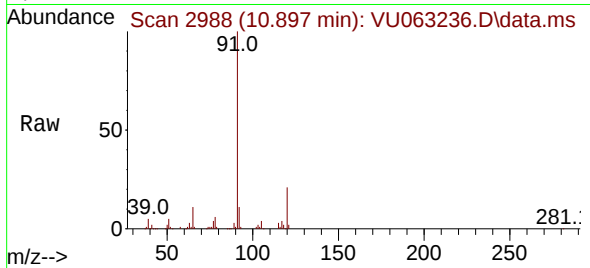




#73
n-propylbenzene
Concen: 1.881 ug/l
RT: 10.897 min Scan# 2987
Delta R.T. 0.003 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:120 Resp: 31792
Ion Ratio Lower Upper
120 100
91 475.0 369.8 554.6



#89
Naphthalene
Concen: 0.668 ug/l
RT: 14.142 min Scan# 3997
Delta R.T. 0.064 min
Lab File: VU063236.D
Acq: 11 Feb 2025 15:21

Tgt Ion:128 Resp: 352
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

