

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060321.D
 Acq On : 06 Aug 2024 14:31
 Operator : MD/SY
 Sample : P3204-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 07:01:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

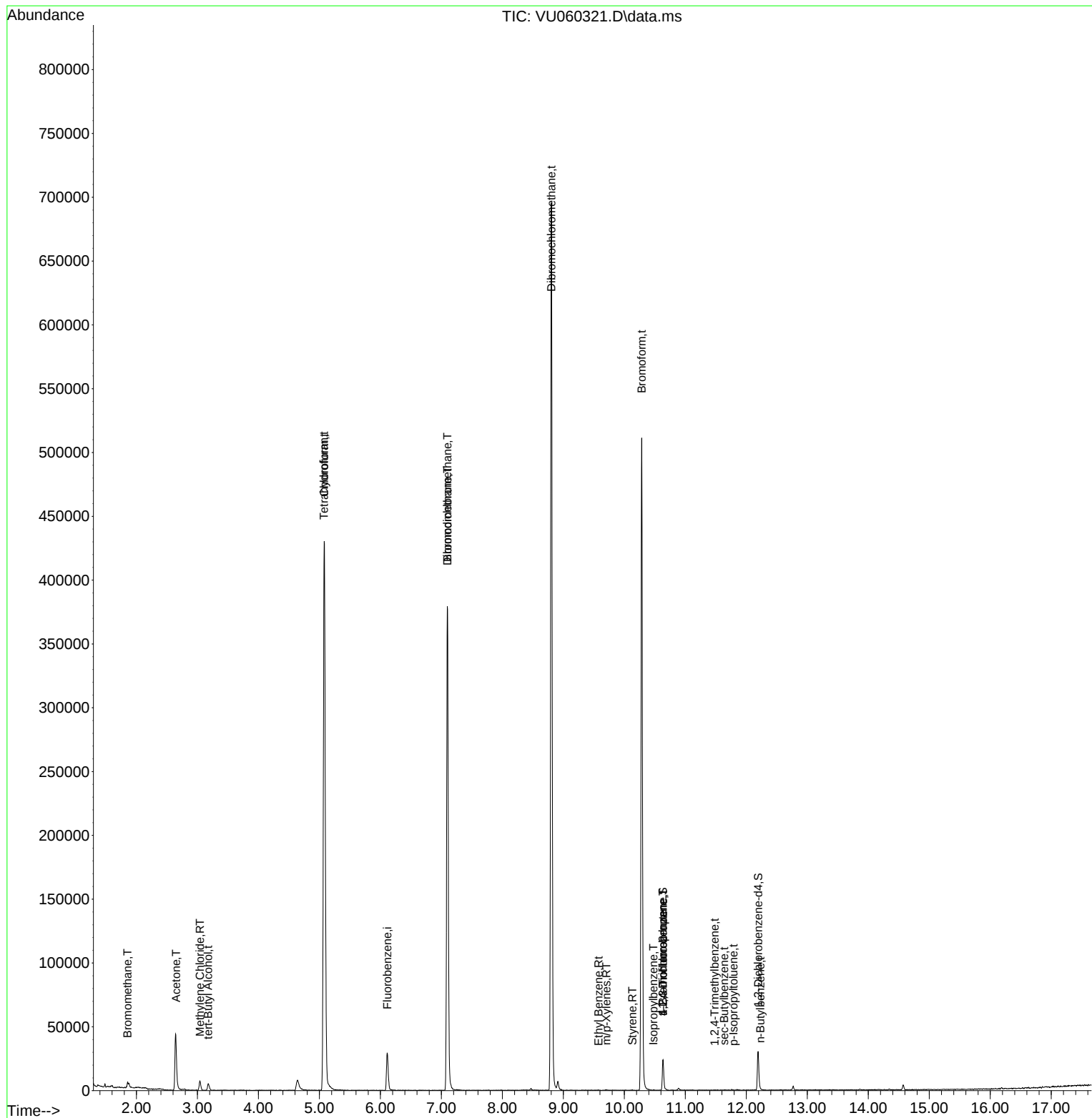
Internal Standards						
1) Fluorobenzene	6.113	96	30026	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9517	0.930	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	10226	0.920	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
						Qvalue
5) Bromomethane	1.853	94	1958	0.241	ug/l	90
13) Acetone	2.650	43	608	0.213	ug/l #	35
15) Methylene Chloride	3.039	84	3886	0.346	ug/l	96
24) tert-Butyl Alcohol	3.174	59	3142	3.448	ug/l #	83
27) Chloroform	5.078	83	412288	22.785	ug/l	97
41) Tetrahydrofuran	5.075	42	559	0.302	ug/l #	1
43) Dibromomethane	7.100	93	7424	1.462	ug/l #	5
44) Bromodichloromethane	7.097	83	261855	21.475	ug/l	100
46) t-1,4-Dichloro-2-butene	10.631	75	4310	1.613	ug/l #	25
55) Dibromochloromethane	8.801	129	374614	45.810	ug/l	100
63) Ethyl Benzene	9.576	91	178	0.503	ug/l #	44
64) m/p-Xylenes	9.705	106	40	0.900	ug/l	96
66) Styrene	10.132	104	185	0.477	ug/l #	25
67) Bromoform	10.283	173	236551	49.390	ug/l	98
69) Isopropylbenzene	10.476	105	40	0.476	ug/l #	49
71) 1,2,3-Trichloropropane	10.631	75	4310	0.587	ug/l #	39
78) 1,2,4-Trimethylbenzene	11.479	105	168	0.501	ug/l #	31
79) sec-Butylbenzene	11.637	105	162	0.456	ug/l #	57
81) p-Isopropyltoluene	11.788	119	67	0.521	ug/l #	50
84) n-Butylbenzene	12.229	91	231	0.516	ug/l #	34

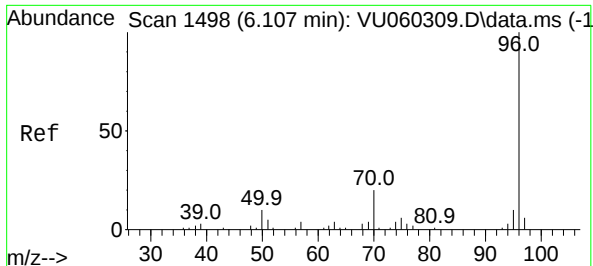
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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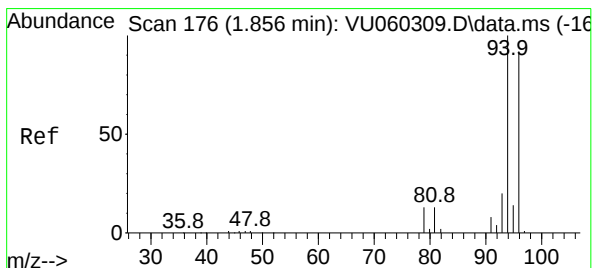
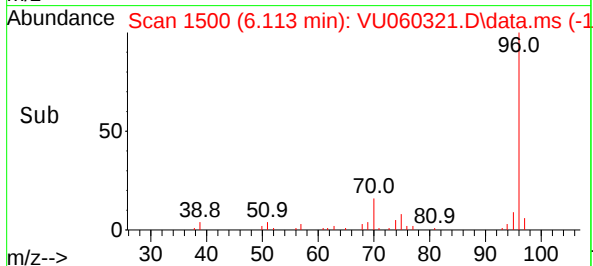
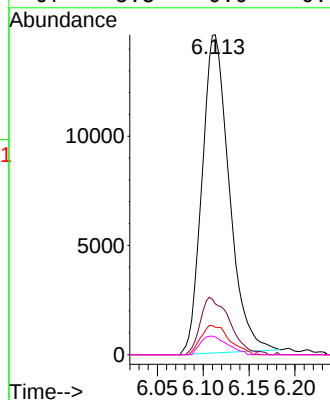
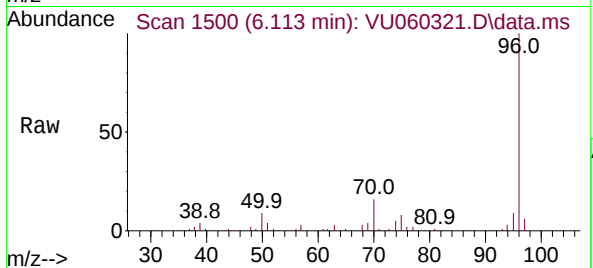




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1498
Delta R.T. 0.006 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

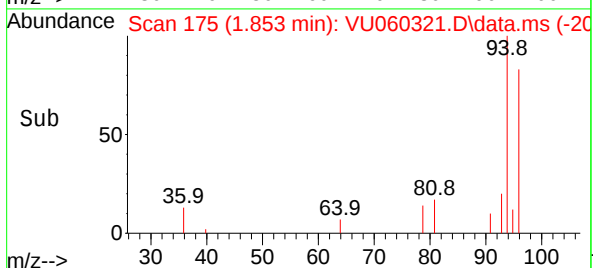
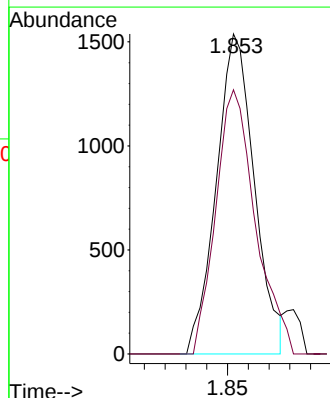
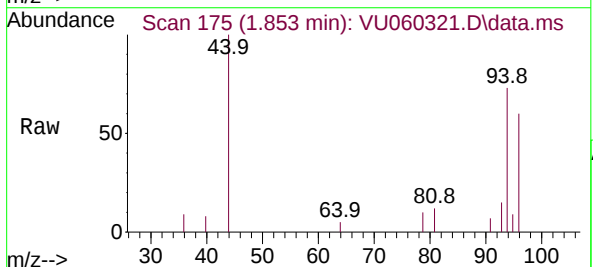
Instrument :
MSVOA_U
ClientSampleId :

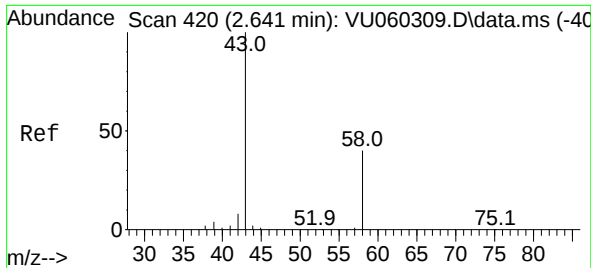
Tgt Ion: 96	Resp: 30026
Ion Ratio	Lower Upper
96	100
70	19.5 17.2 25.8
95	9.6 7.9 11.9
97	5.8 0.0 0.0



#5
Bromomethane
Concen: 0.241 ug/l
RT: 1.853 min Scan# 175
Delta R.T. -0.003 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Tgt Ion: 94	Resp: 1958
Ion Ratio	Lower Upper
94	100
96	82.6 73.8 110.8

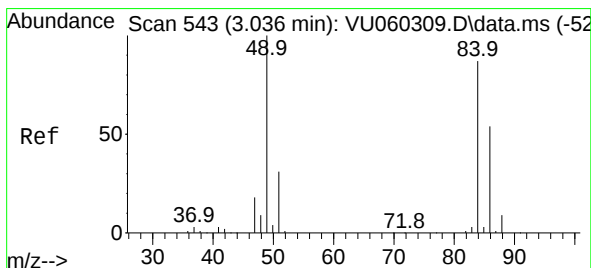
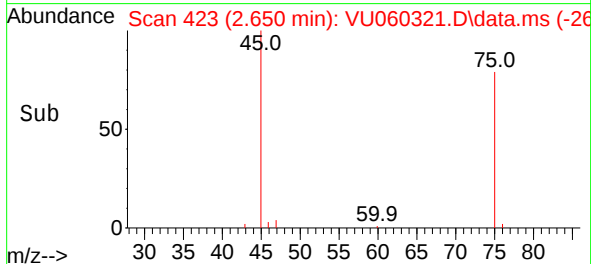
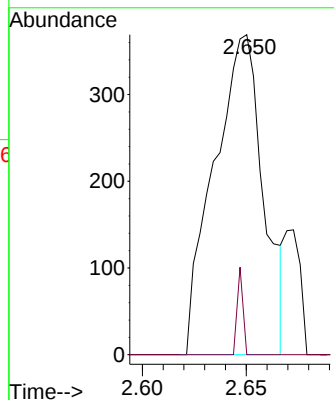
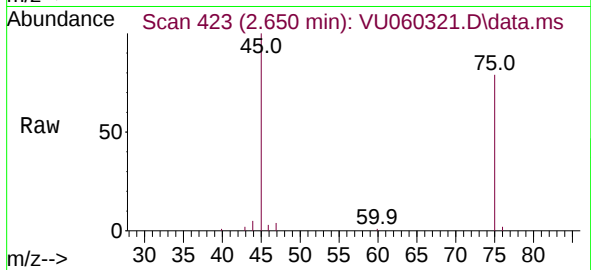




#13
Acetone
Concen: 0.213 ug/l
RT: 2.650 min Scan# 41
Delta R.T. 0.009 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

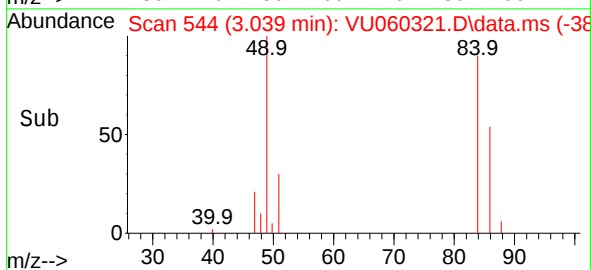
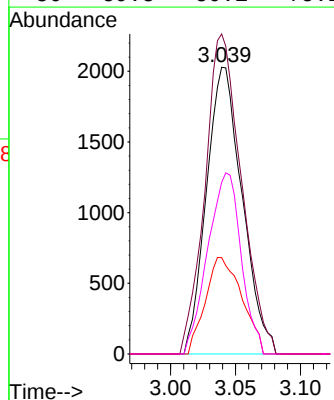
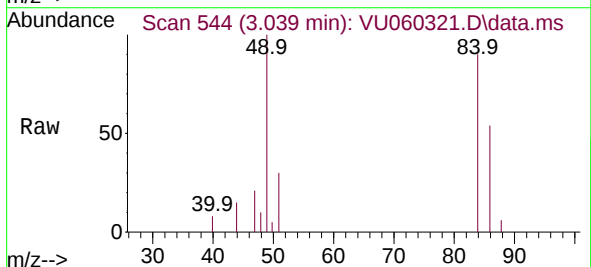
Instrument :
MSVOA_U
ClientSampleId :

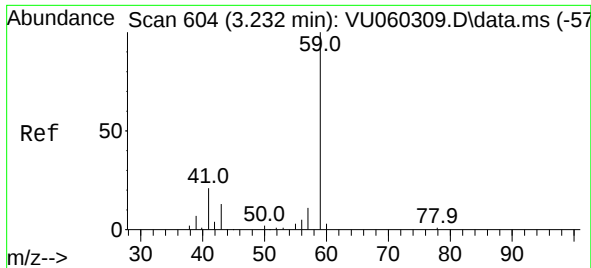
Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#



#15
Methylene Chloride
Concen: 0.346 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Tgt Ion: 84 Resp: 3886
Ion Ratio Lower Upper
84 100
49 111.6 92.1 138.1
51 33.6 0.0 72.4
86 59.8 50.1 75.1

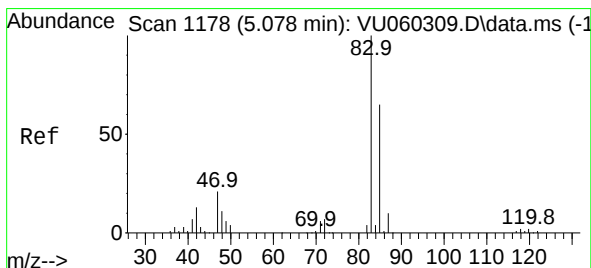
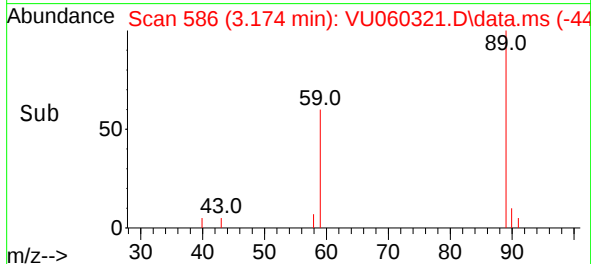
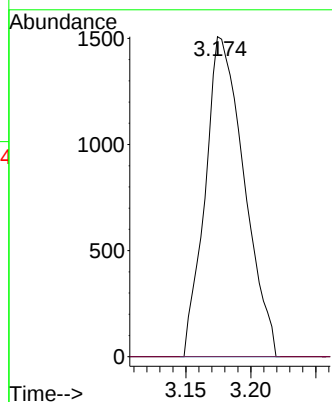
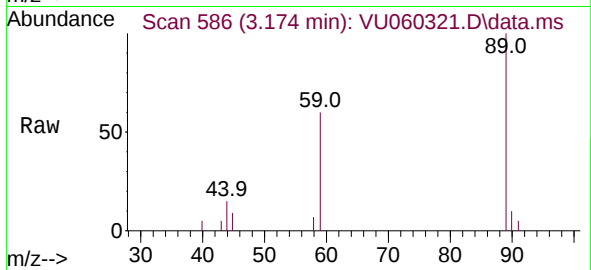




#24
tert-Butyl Alcohol
Concen: 3.448 ug/l
RT: 3.174 min Scan# 51
Delta R.T. -0.058 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

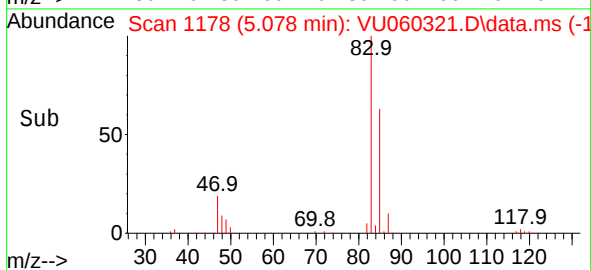
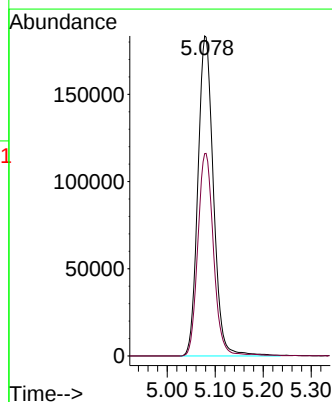
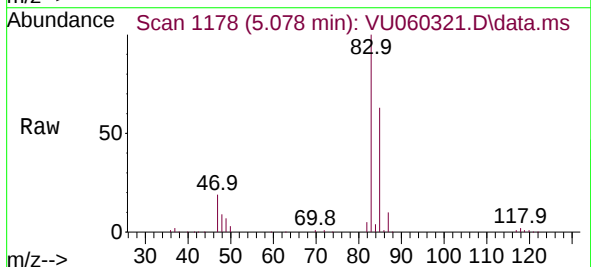
Instrument :
MSVOA_U
ClientSampleId :

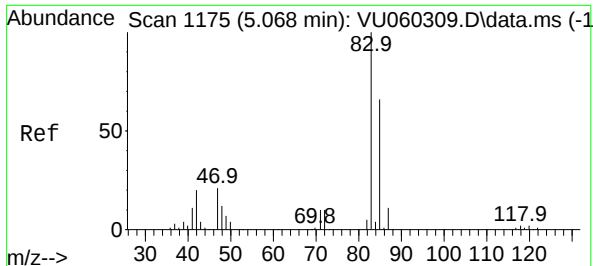
Tgt Ion: 59 Resp: 3142
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#27
Chloroform
Concen: 22.785 ug/l
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Tgt Ion: 83 Resp: 412288
Ion Ratio Lower Upper
83 100
85 63.3 0.0 131.0





#41

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 5.075 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VU060321.D

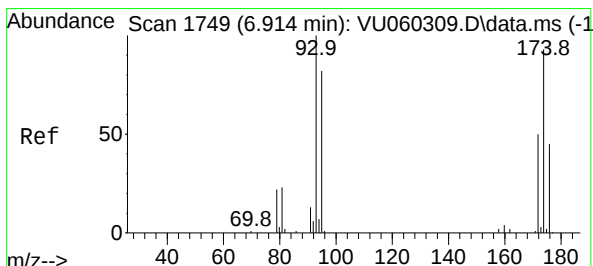
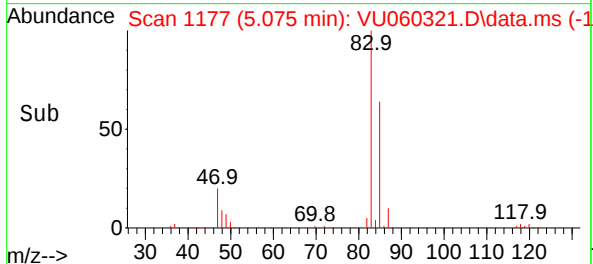
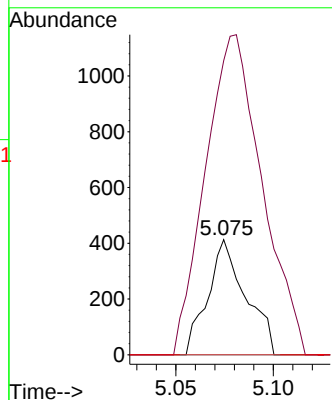
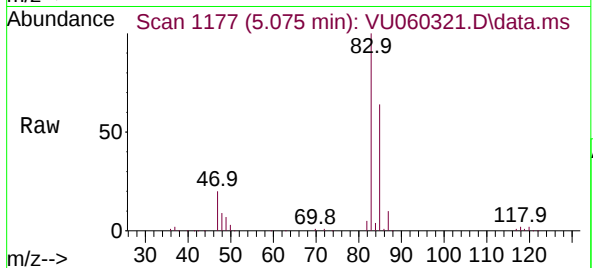
Acq: 06 Aug 2024 14:31

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	42	Resp:	559
Ion Ratio	Lower	Upper	
42	100		
72	414.1	40.6	60.8#
71	0.0	38.0	57.0#



#43

Dibromomethane

Concen: 1.462 ug/l

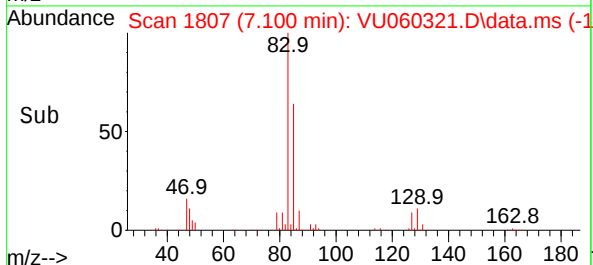
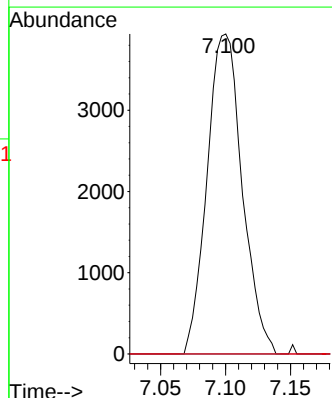
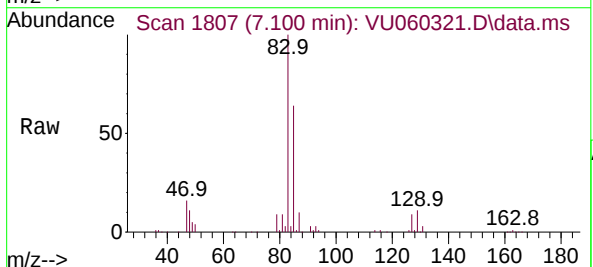
RT: 7.100 min Scan# 1807

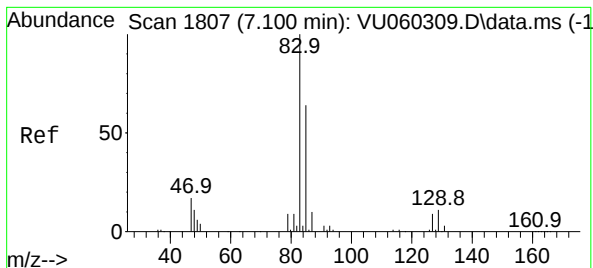
Delta R.T. 0.187 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Tgt Ion:	93	Resp:	7424
Ion Ratio	Lower	Upper	
93	100		
95	0.0	66.4	99.6#
174	0.0	75.2	112.8#





#44

Bromodichloromethane

Concen: 21.475 ug/l

RT: 7.097 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Instrument :

MSVOA_U

ClientSampleId :

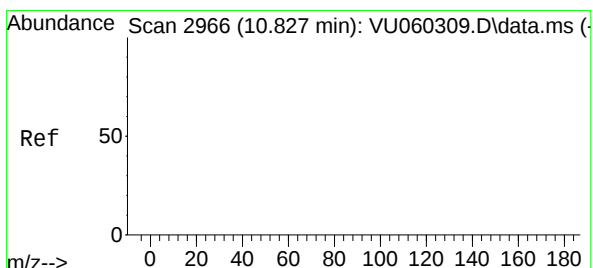
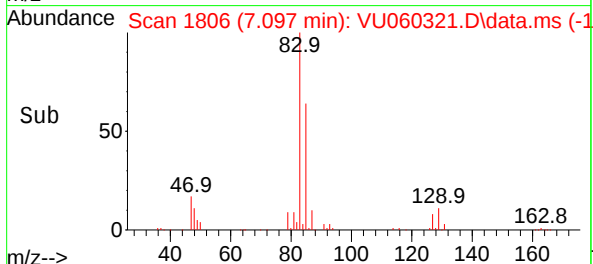
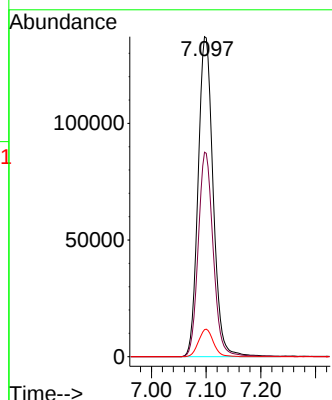
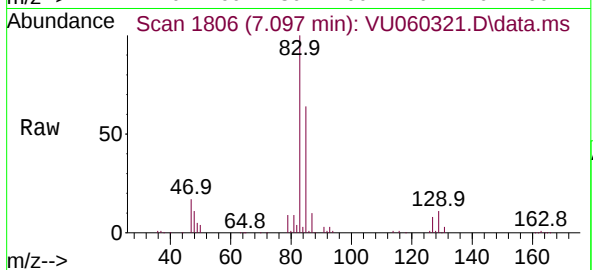
Tgt Ion: 83 Resp: 261855

Ion Ratio Lower Upper

83 100

85 63.9 51.3 76.9

127 8.5 6.8 10.2



#46

t-1,4-Dichloro-2-butene

Concen: 1.613 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.196 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Tgt Ion: 75 Resp: 4310

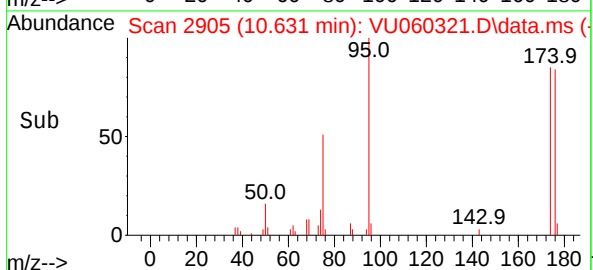
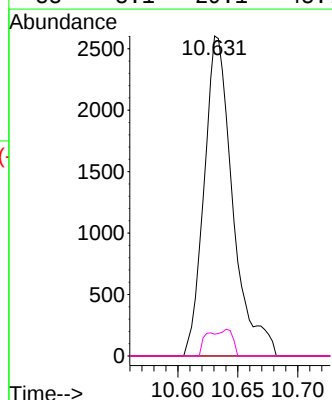
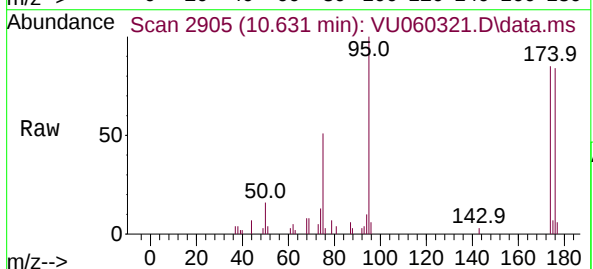
Ion Ratio Lower Upper

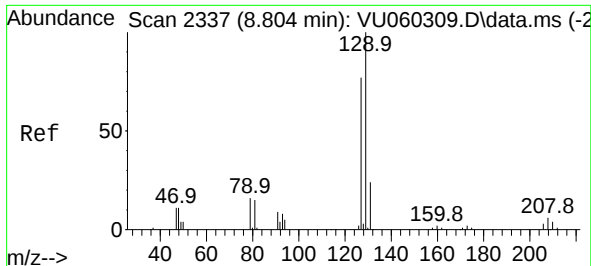
75 100

53 0.0 57.2 85.8#

89 0.0 40.4 60.6#

88 3.1 29.1 43.7#





#55

Dibromochloromethane

Concen: 45.810 ug/l

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Instrument :

MSVOA_U

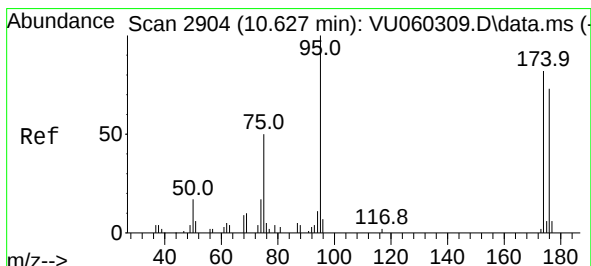
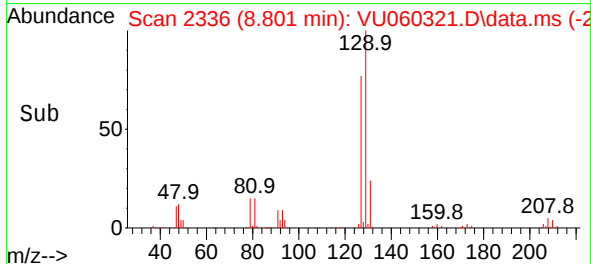
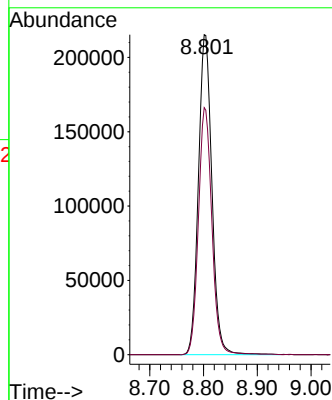
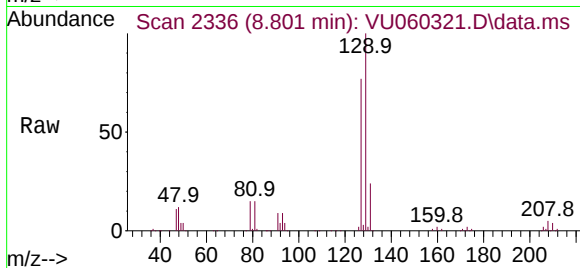
ClientSampleId :

Tgt Ion:129 Resp: 374614

Ion Ratio Lower Upper

129 100

127 77.2 61.6 92.4



#57

4-Bromofluorobenzene

Concen: 0.930 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

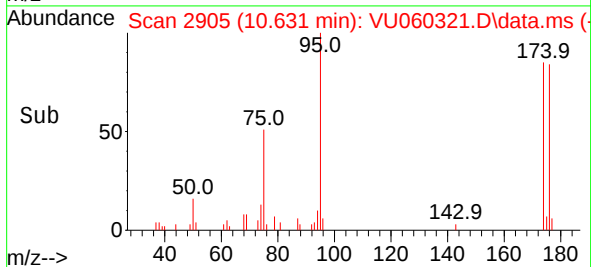
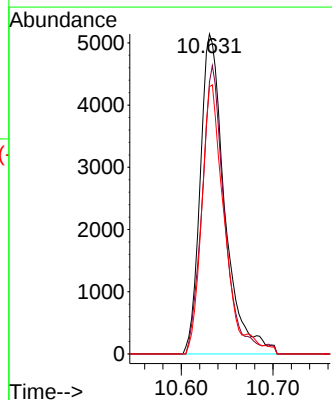
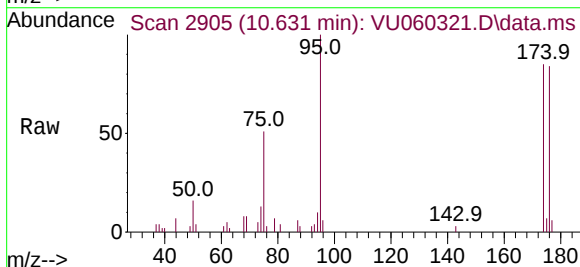
Tgt Ion: 95 Resp: 9517

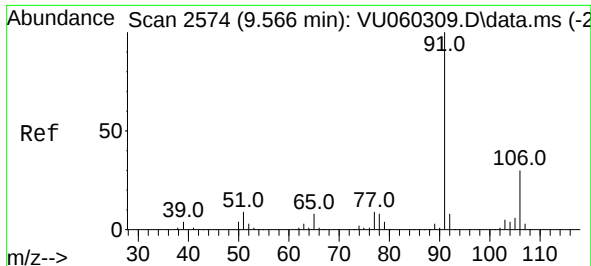
Ion Ratio Lower Upper

95 100

174 82.2 65.6 98.4

176 78.7 60.4 90.6





#63

Ethyl Benzene

Concen: 0.503 ug/l

RT: 9.576 min Scan# 2

Delta R.T. 0.010 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Instrument :

MSVOA_U

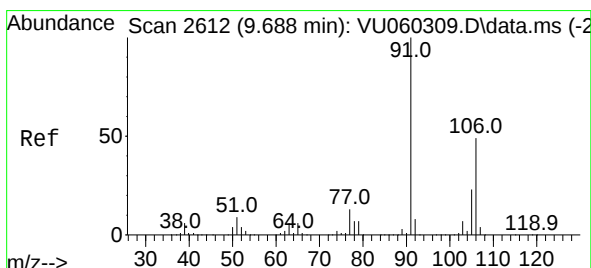
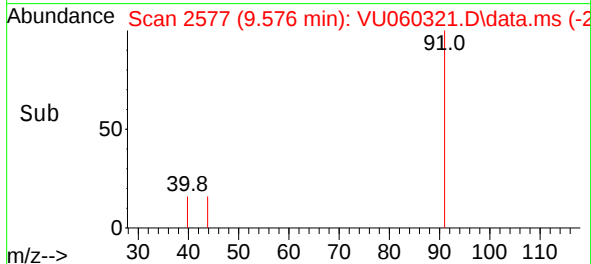
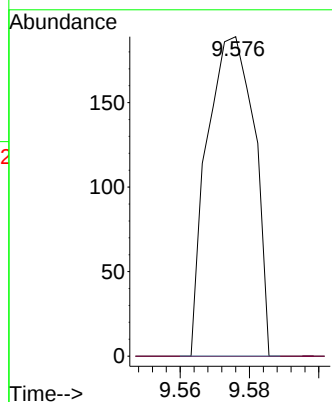
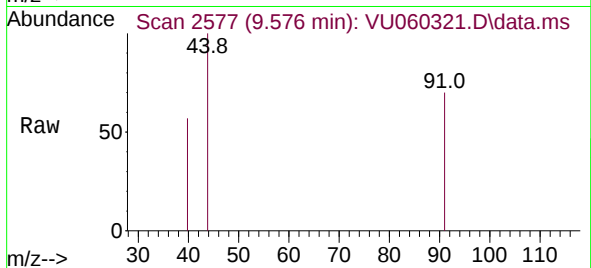
ClientSampleId :

Tgt Ion: 91 Resp: 178

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6#



#64

m/p-Xylenes

Concen: 0.900 ug/l

RT: 9.705 min Scan# 2617

Delta R.T. 0.017 min

Lab File: VU060321.D

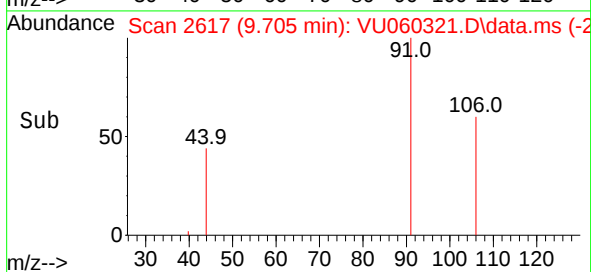
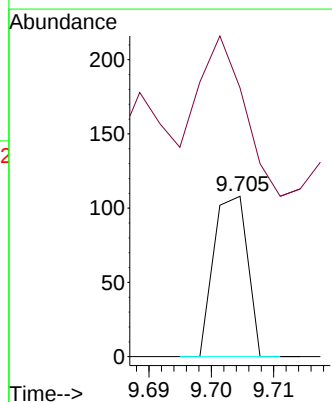
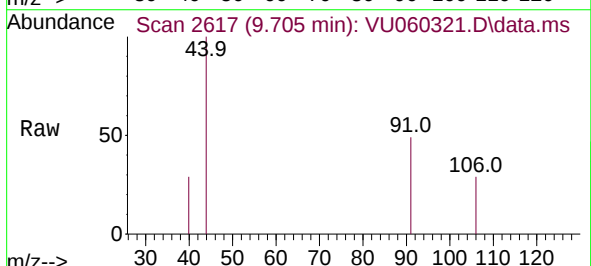
Acq: 06 Aug 2024 14:31

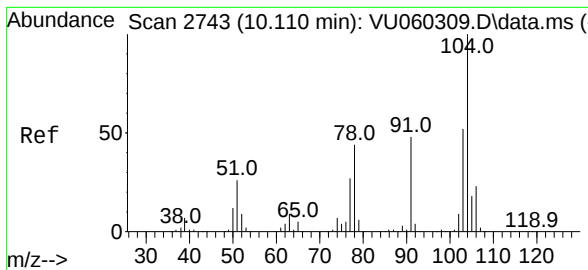
Tgt Ion: 106 Resp: 40

Ion Ratio Lower Upper

106 100

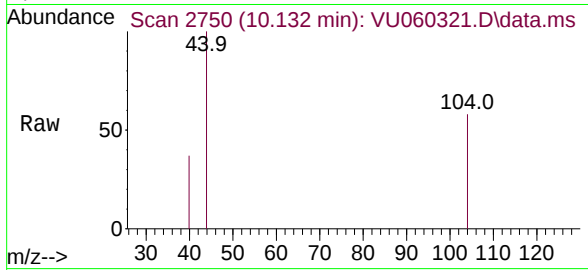
91 200.0 165.0 247.4



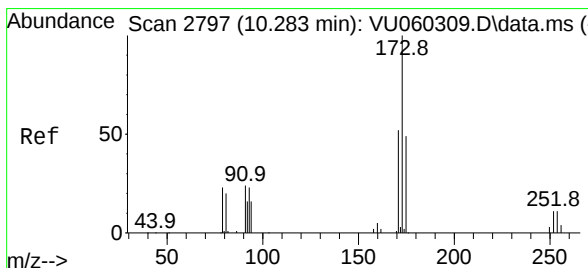
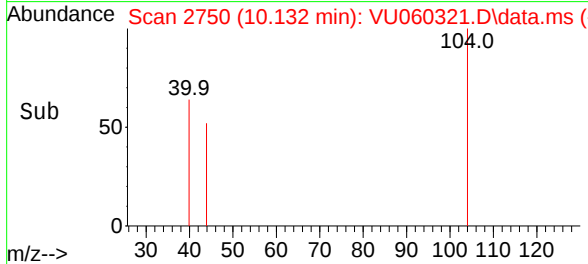
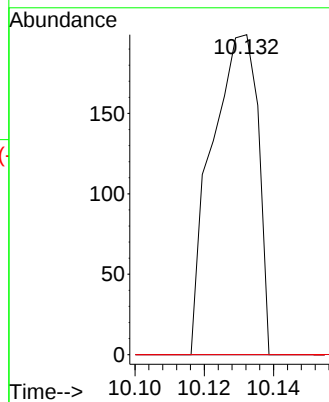


#66
Styrene
Concen: 0.477 ug/l
RT: 10.132 min Scan# 2750
Delta R.T. 0.022 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Instrument :
MSVOA_U
ClientSampleId :

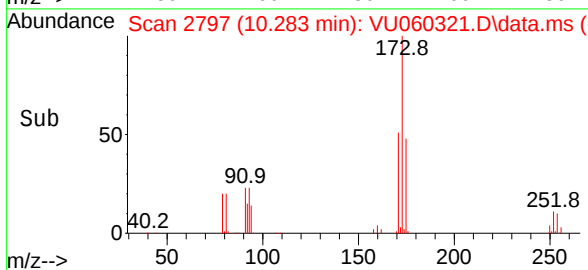
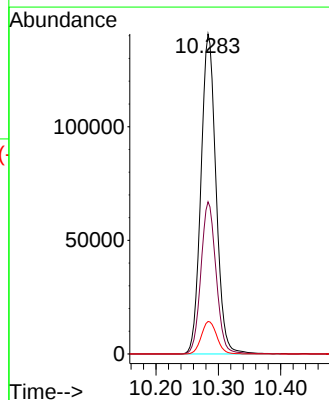
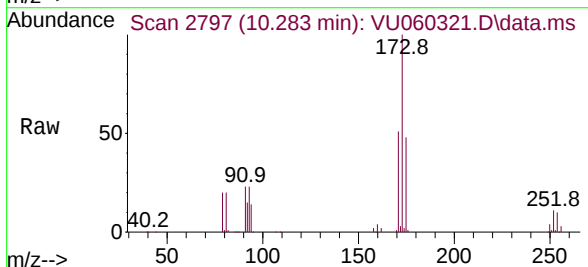


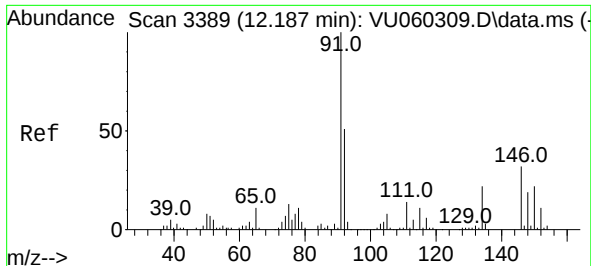
Tgt Ion:104 Resp: 185
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 45.0 67.6#



#67
Bromoform
Concen: 49.390 ug/l
RT: 10.283 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Tgt Ion:173 Resp: 236551
Ion Ratio Lower Upper
173 100
175 47.8 39.7 59.5
254 10.4 8.2 12.4





#68

1,2-Dichlorobenzene-d4

Concen: 0.920 ug/l

RT: 12.193 min Scan# 3389

Delta R.T. 0.006 min

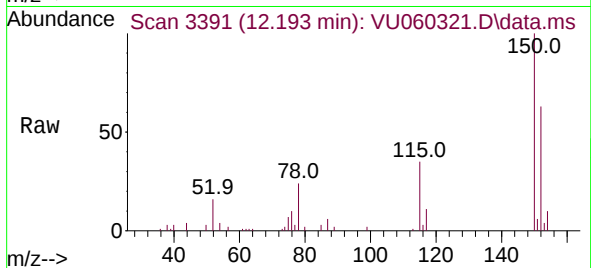
Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Instrument :

MSVOA_U

ClientSampleId :



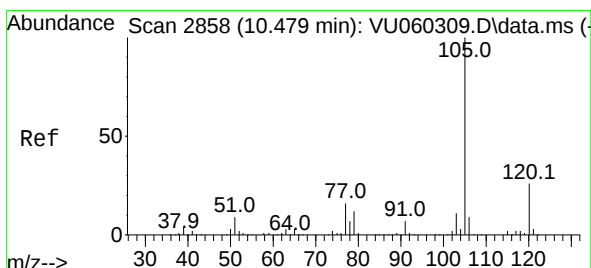
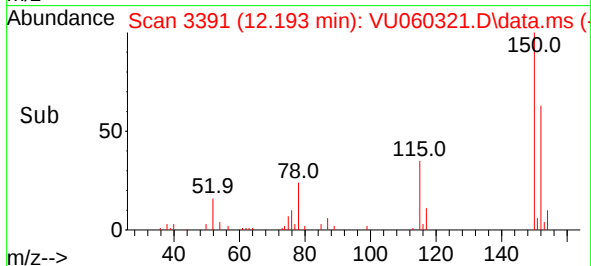
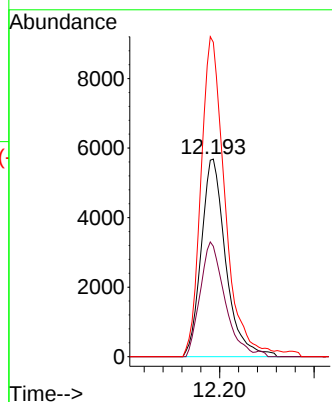
Tgt Ion:152 Resp: 10226

Ion Ratio Lower Upper

152 100

115 58.0 0.0 325.2

150 159.4 0.0 684.2



#69

Isopropylbenzene

Concen: 0.476 ug/l

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU060321.D

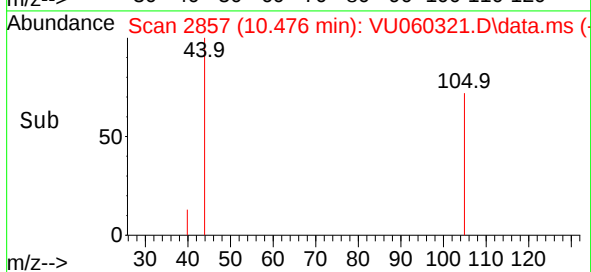
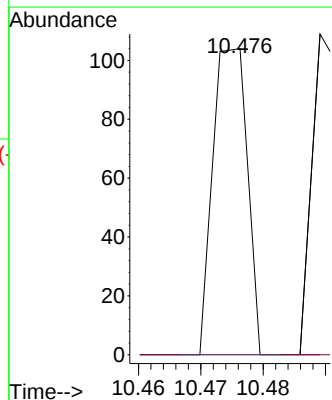
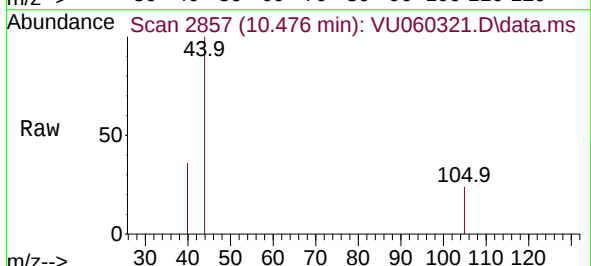
Acq: 06 Aug 2024 14:31

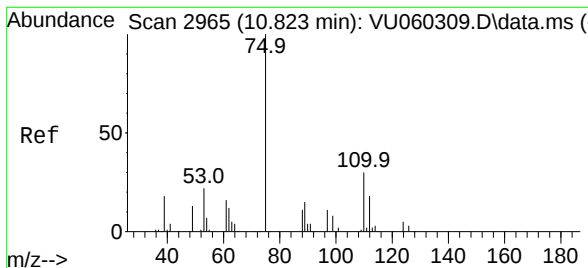
Tgt Ion:105 Resp: 40

Ion Ratio Lower Upper

105 100

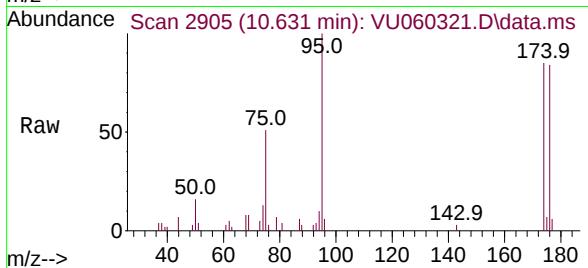
120 0.0 13.0 39.0#



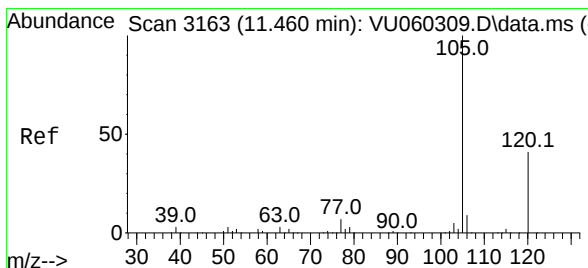
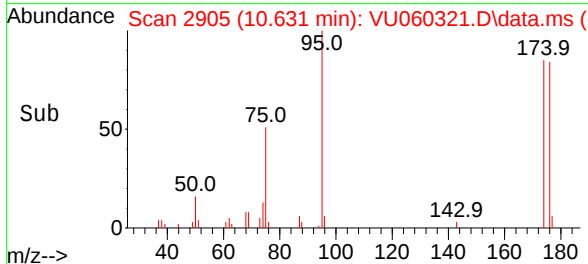
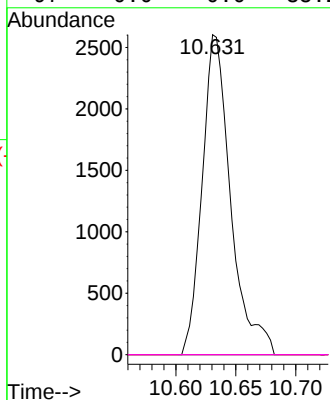


#71
1,2,3-Trichloropropane
Concen: 0.587 ug/l
RT: 10.631 min Scan# 2965
Delta R.T. -0.193 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Instrument :
MSVOA_U
ClientSampleId :

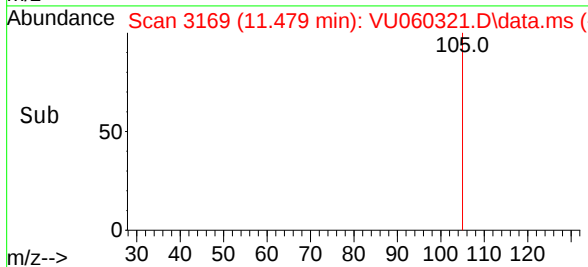
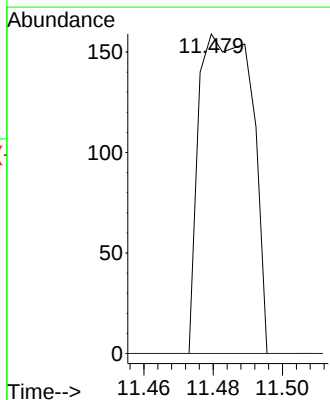
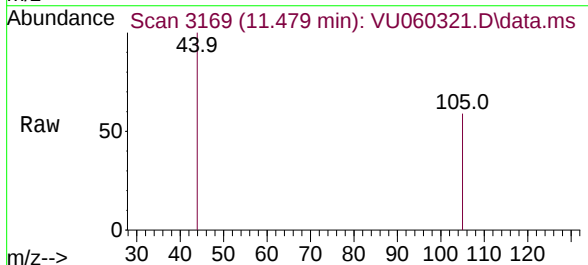


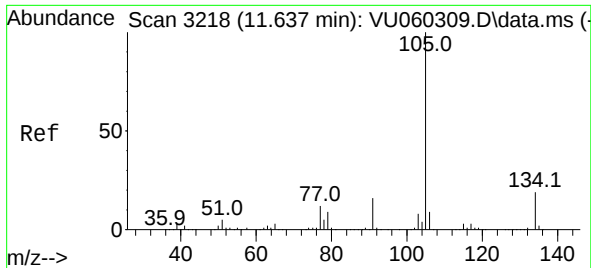
Tgt Ion: 75 Resp: 4310
Ion Ratio Lower Upper
75 100
77 2.6 0.0 102.2
110 0.0 0.0 67.4
97 0.0 0.0 38.2



#78
1,2,4-Trimethylbenzene
Concen: 0.501 ug/l
RT: 11.479 min Scan# 3169
Delta R.T. 0.019 min
Lab File: VU060321.D
Acq: 06 Aug 2024 14:31

Tgt Ion: 105 Resp: 168
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.7#





#79

sec-Butylbenzene

Concen: 0.456 ug/l

RT: 11.637 min Scan# 3218

Delta R.T. 0.000 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

Instrument :

MSVOA_U

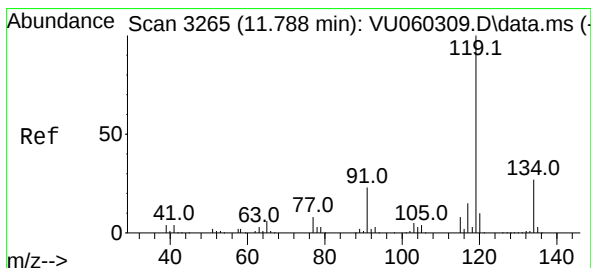
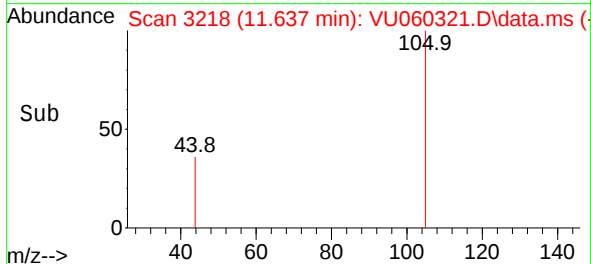
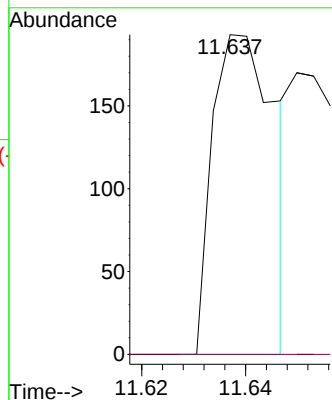
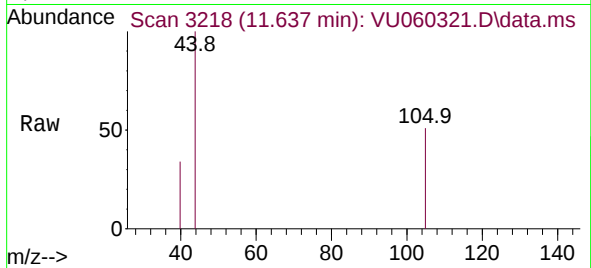
ClientSampleId :

Tgt Ion:105 Resp: 162

Ion Ratio Lower Upper

105 100

134 0.0 15.5 23.3#



#81

p-Isopropyltoluene

Concen: 0.521 ug/l

RT: 11.788 min Scan# 3265

Delta R.T. 0.000 min

Lab File: VU060321.D

Acq: 06 Aug 2024 14:31

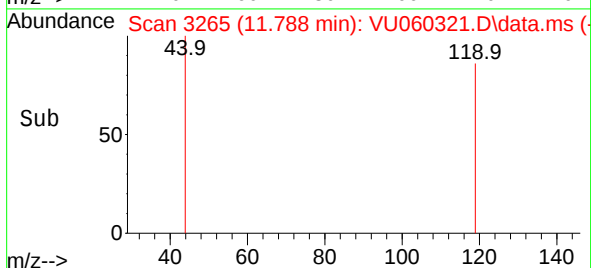
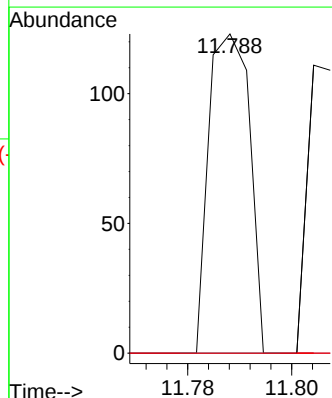
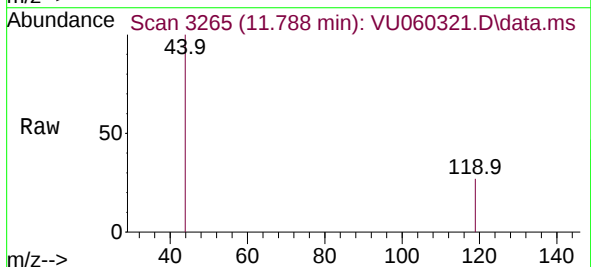
Tgt Ion:119 Resp: 67

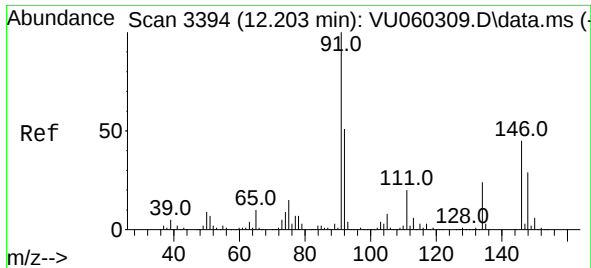
Ion Ratio Lower Upper

119 100

134 0.0 21.2 31.8#

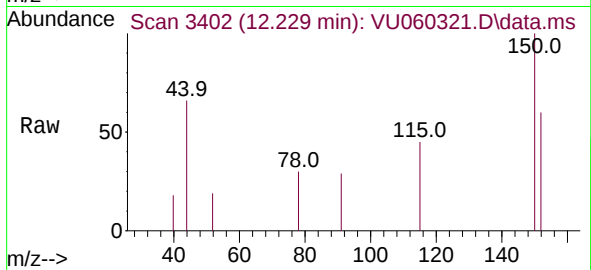
91 0.0 18.9 28.3#





#84
 n-Butylbenzene
 Concen: 0.516 ug/l
 RT: 12.229 min Scan# 34
 Delta R.T. 0.026 min
 Lab File: VU060321.D
 Acq: 06 Aug 2024 14:31

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 91	Resp:	231
Ion	Ratio	Lower Upper
91	100	
92	0.0	41.0 61.6#
134	0.0	19.4 29.2#

