

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060317.D
 Acq On : 05 Aug 2024 19:22
 Operator : MD/SY
 Sample : P3204-09
 Misc : 25.1mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 06 06:11:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 05:58:50 2024
 Response via : Initial Calibration

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

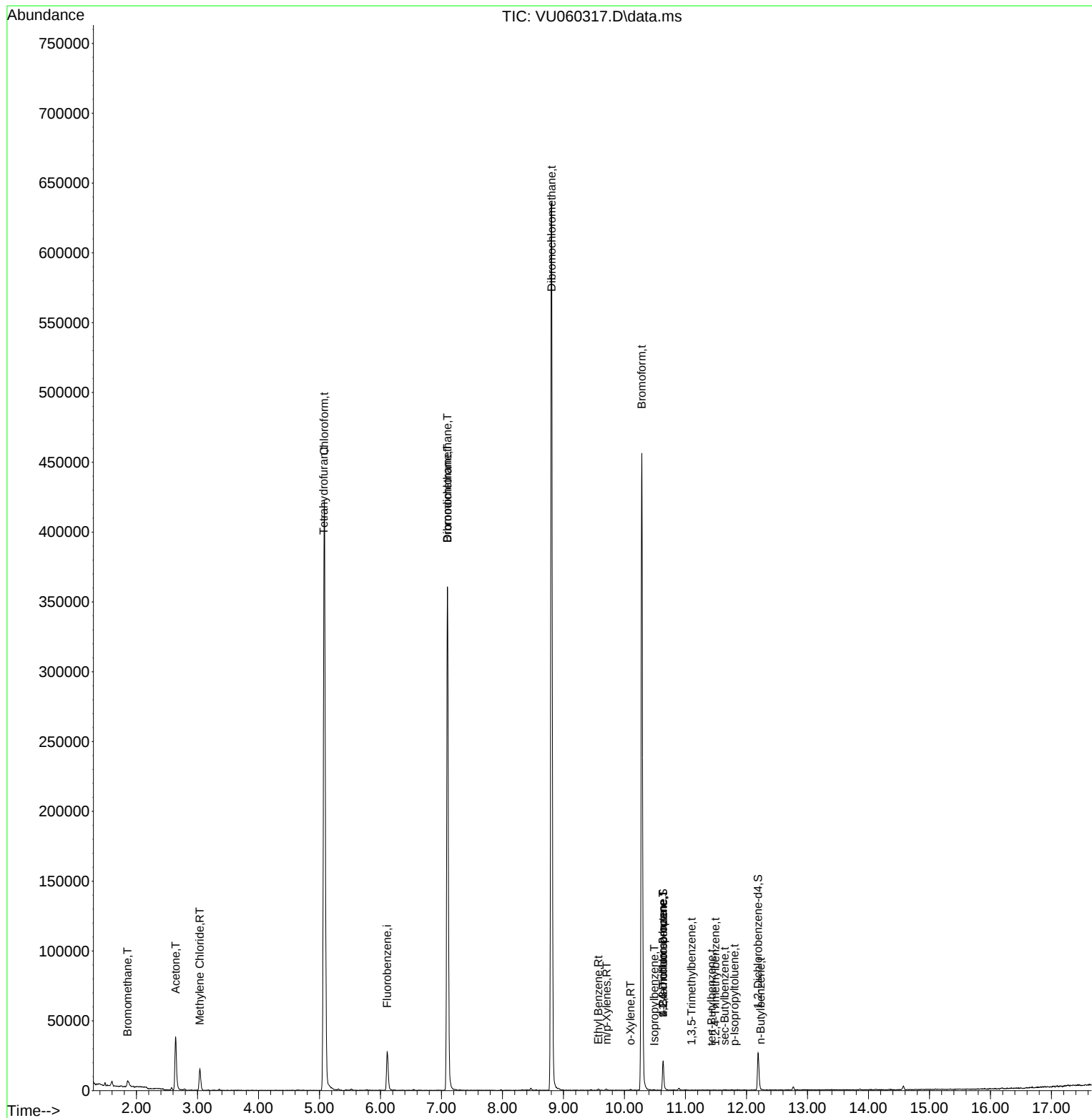
Internal Standards						
1) Fluorobenzene	6.110	96	27171	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8031	0.868	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	8491	0.844	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.853	94	1722	0.235	ug/l	95
13) Acetone	2.644	43	691	0.349	ug/l #	35
15) Methylene Chloride	3.036	84	8005	0.787	ug/l	95
27) Chloroform	5.078	83	394769	24.109	ug/l	99
41) Tetrahydrofuran	5.071	42	682	0.407	ug/l #	1
43) Dibromomethane	7.097	93	6980	1.519	ug/l #	6
44) Bromodichloromethane	7.097	83	244407	22.150	ug/l	100
46) t-1,4-Dichloro-2-butene	10.631	75	3950	1.633	ug/l #	26
55) Dibromochloromethane	8.804	129	341707	46.177	ug/l	100
63) Ethyl Benzene	9.573	91	970	0.360	ug/l #	62
64) m/p-Xylenes	9.705	106	456	0.926	ug/l	86
65) o-Xylene	10.100	106	225	0.458	ug/l #	1
67) Bromoform	10.283	173	208766	48.169	ug/l	98
69) Isopropylbenzene	10.489	105	91	0.477	ug/l #	49
71) 1,2,3-Trichloropropane	10.631	75	3950	0.594	ug/l #	39
75) 1,3,5-Trimethylbenzene	11.100	105	46	0.458	ug/l #	29
77) tert-Butylbenzene	11.428	119	19	0.446	ug/l #	31
78) 1,2,4-Trimethylbenzene	11.489	105	41	0.498	ug/l #	31
79) sec-Butylbenzene	11.643	105	228	0.457	ug/l #	57
81) p-Isopropyltoluene	11.801	119	108	0.523	ug/l #	50
84) n-Butylbenzene	12.232	91	201	0.465	ug/l #	34

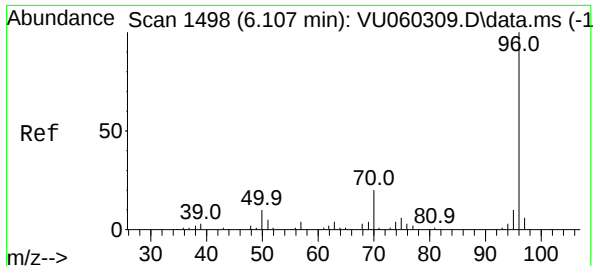
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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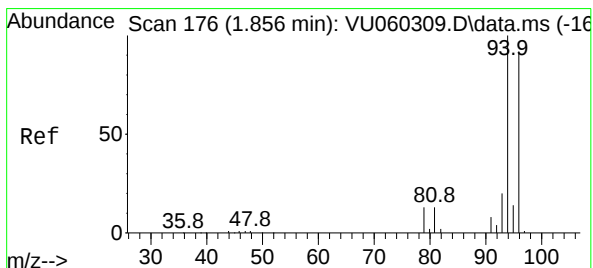
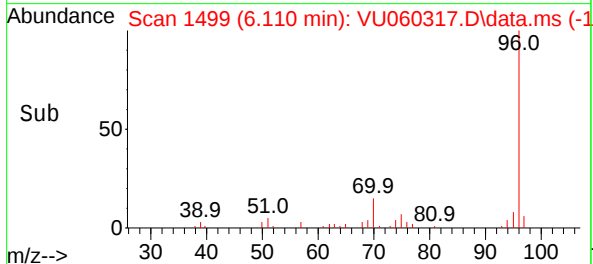
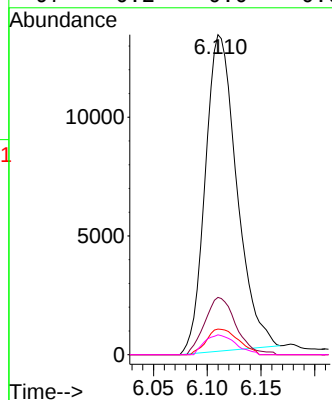
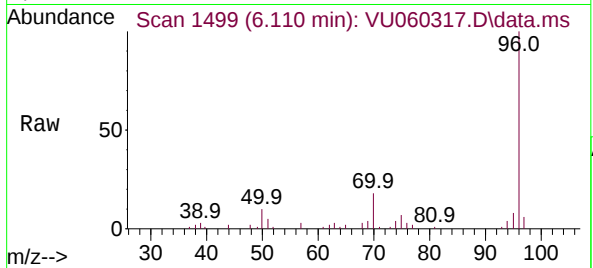




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1498
Delta R.T. 0.003 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

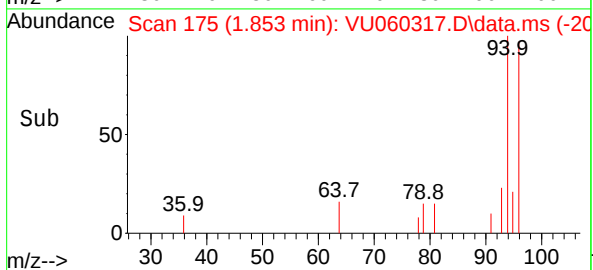
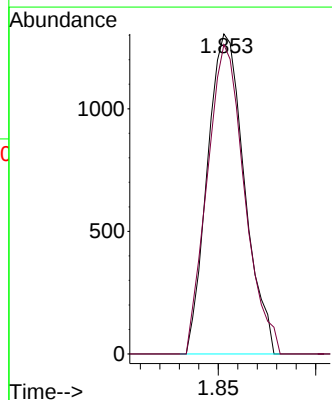
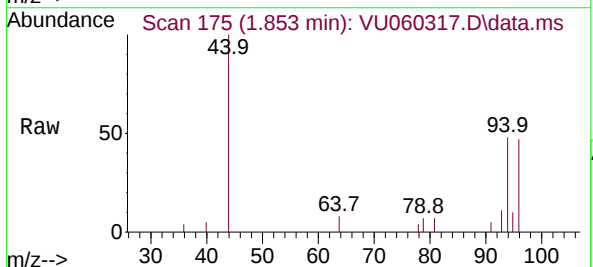
Instrument :
MSVOA_U
ClientSampleId :

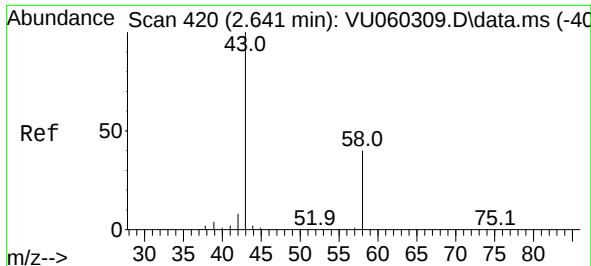
Tgt Ion: 96 Resp: 27171
Ion Ratio Lower Upper
96 100
70 18.0 17.2 25.8
95 8.2 7.9 11.9
97 6.2 0.0 0.0#



#5
Bromomethane
Concen: 0.235 ug/l
RT: 1.853 min Scan# 175
Delta R.T. -0.003 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

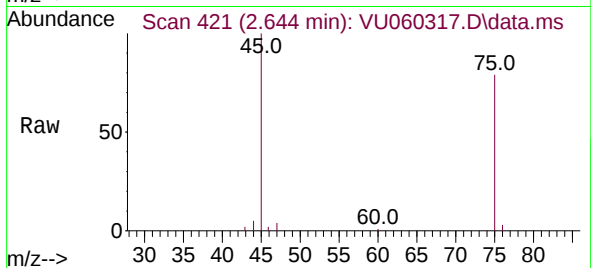
Tgt Ion: 94 Resp: 1722
Ion Ratio Lower Upper
94 100
96 96.6 73.8 110.8



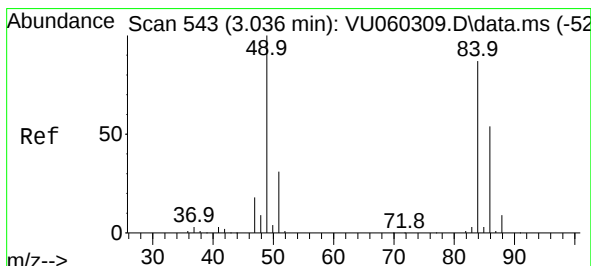
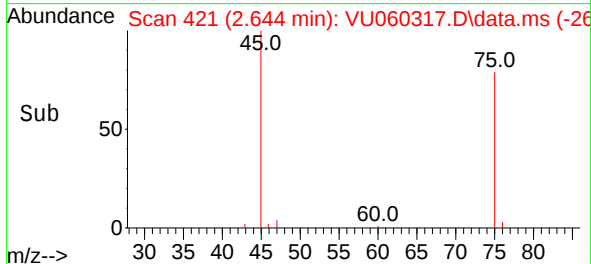
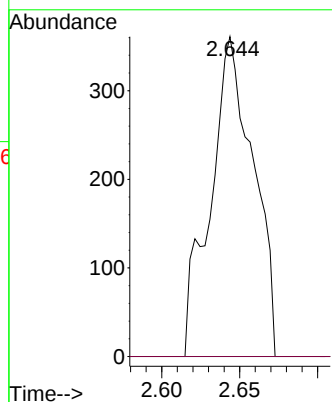


#13
Acetone
Concen: 0.349 ug/l
RT: 2.644 min Scan# 421
Delta R.T. 0.003 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

Instrument :
MSVOA_U
ClientSampleId :

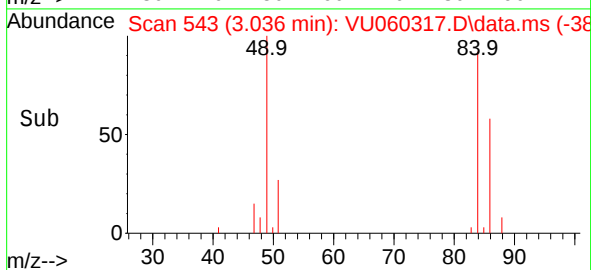
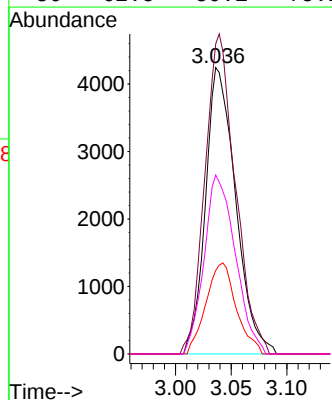
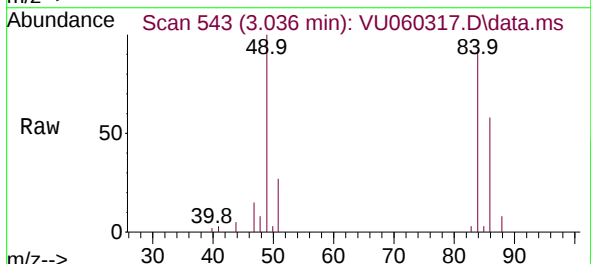


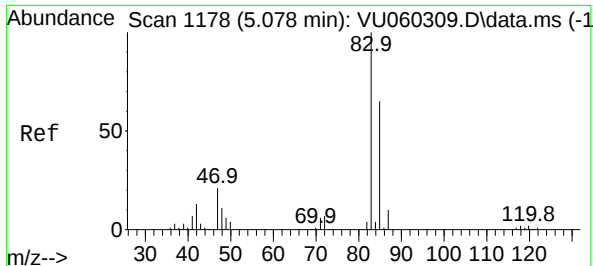
Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#



#15
Methylene Chloride
Concen: 0.787 ug/l
RT: 3.036 min Scan# 543
Delta R.T. 0.000 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

Tgt Ion: 84 Resp: 8005
Ion Ratio Lower Upper
84 100
49 108.3 92.1 138.1
51 29.2 0.0 72.4
86 62.5 50.1 75.1





#27

Chloroform

Concen: 24.109 ug/l

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

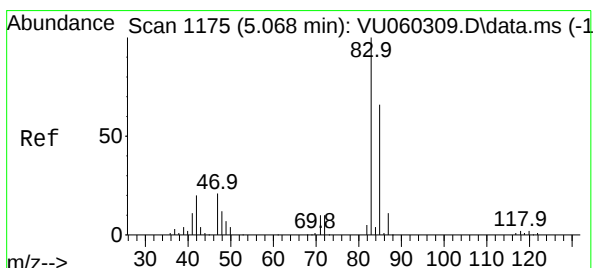
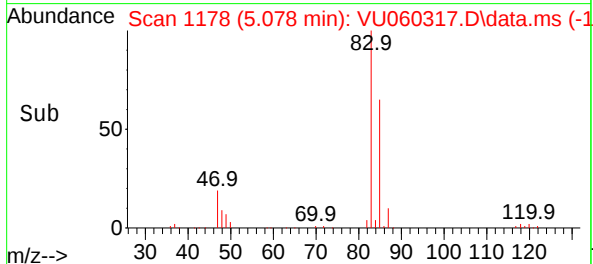
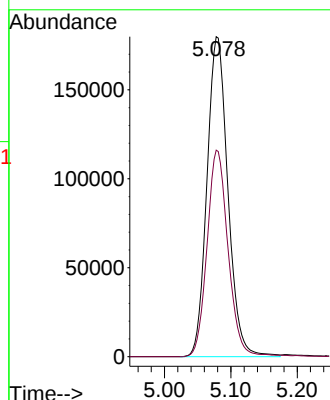
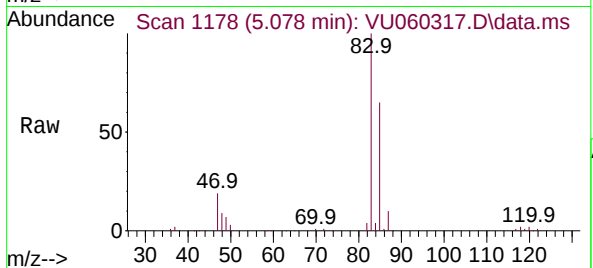
ClientSampleId :

Tgt Ion: 83 Resp: 394769

Ion Ratio Lower Upper

83 100

85 64.5 0.0 131.0



#41

Tetrahydrofuran

Concen: 0.407 ug/l

RT: 5.071 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

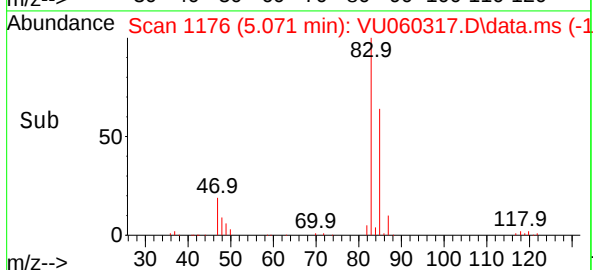
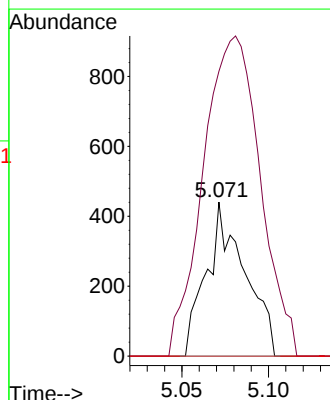
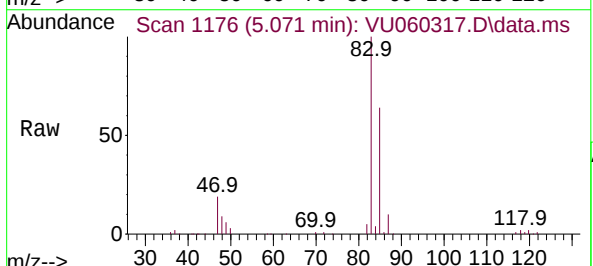
Tgt Ion: 42 Resp: 682

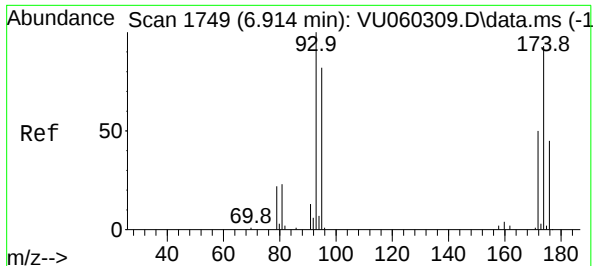
Ion Ratio Lower Upper

42 100

72 307.3 40.6 60.8#

71 0.0 38.0 57.0#





#43

Dibromomethane

Concen: 1.519 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. 0.183 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

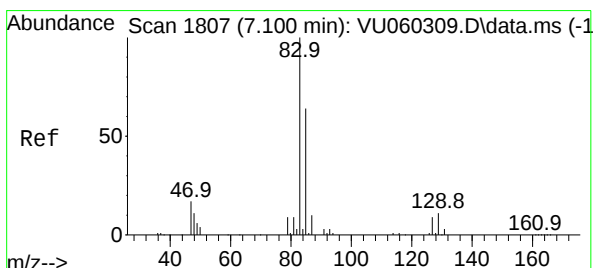
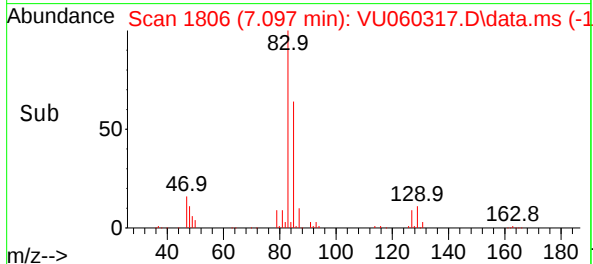
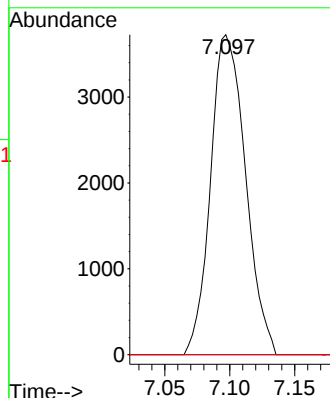
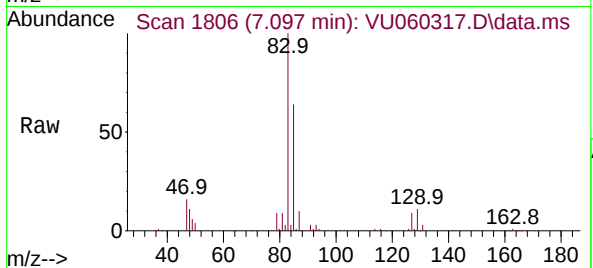
Tgt Ion: 93 Resp: 6980

Ion Ratio Lower Upper

93 100

95 0.0 66.4 99.6#

174 0.9 75.2 112.8#



#44

Bromodichloromethane

Concen: 22.150 ug/l

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

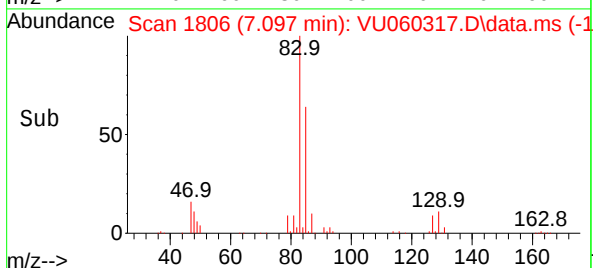
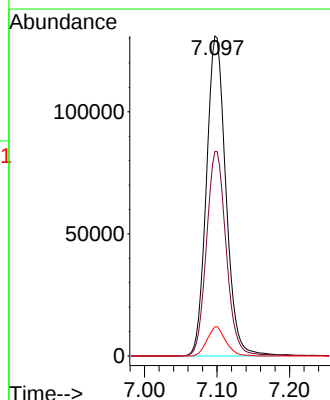
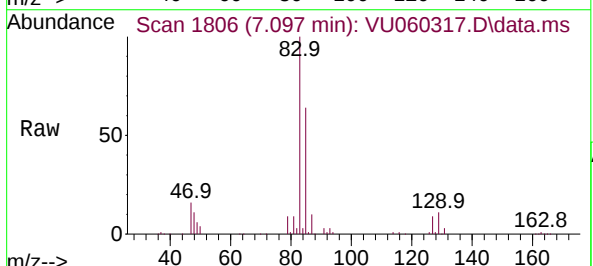
Tgt Ion: 83 Resp: 244407

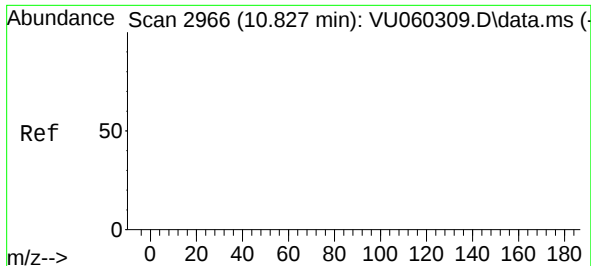
Ion Ratio Lower Upper

83 100

85 63.9 51.3 76.9

127 9.1 6.8 10.2





#46

t-1,4-Dichloro-2-butene

Concen: 1.633 ug/l

RT: 10.631 min Scan# 2966

Delta R.T. -0.196 min

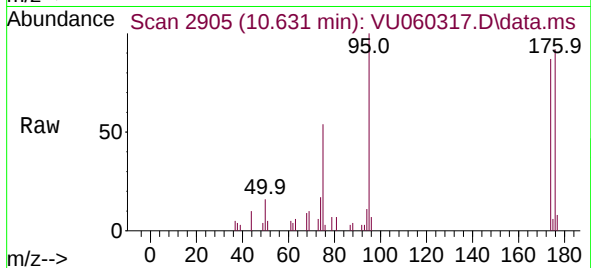
Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 3950

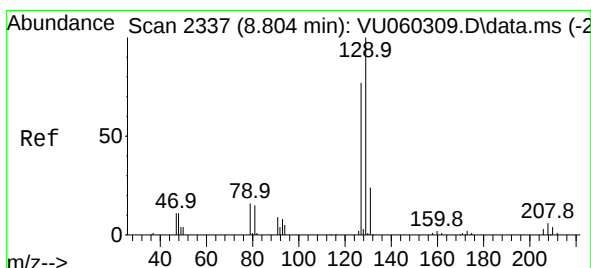
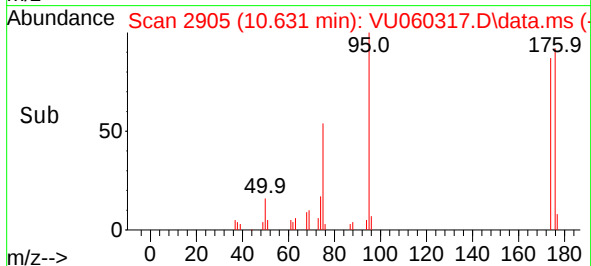
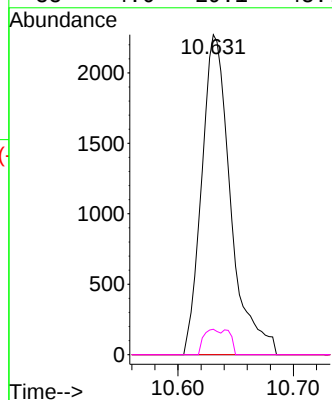
Ion Ratio Lower Upper

75 100

53 0.0 57.2 85.8#

89 0.0 40.4 60.6#

88 4.6 29.1 43.7#



#55

Dibromochloromethane

Concen: 46.177 ug/l

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU060317.D

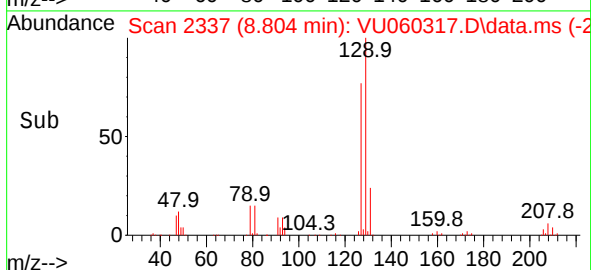
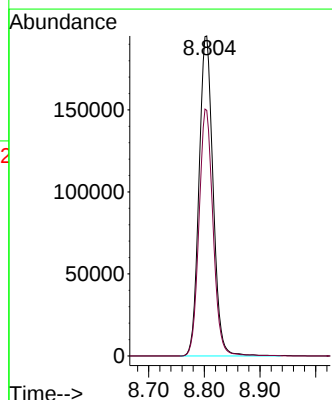
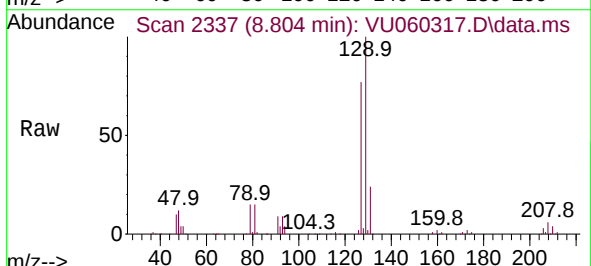
Acq: 05 Aug 2024 19:22

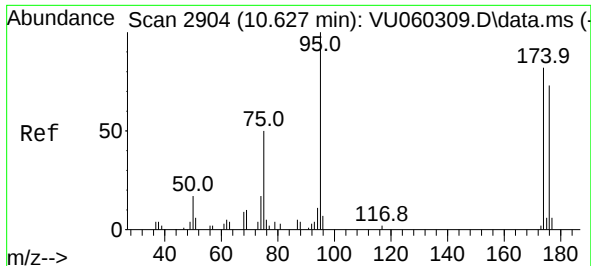
Tgt Ion: 129 Resp: 341707

Ion Ratio Lower Upper

129 100

127 76.9 61.6 92.4

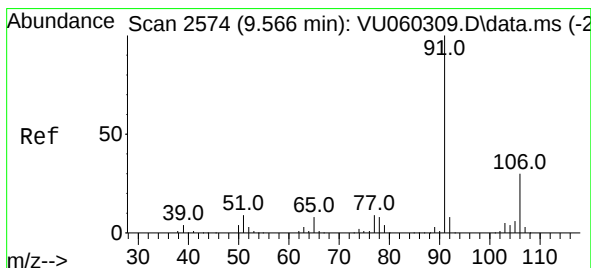
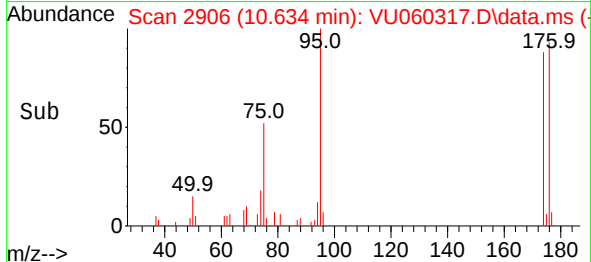
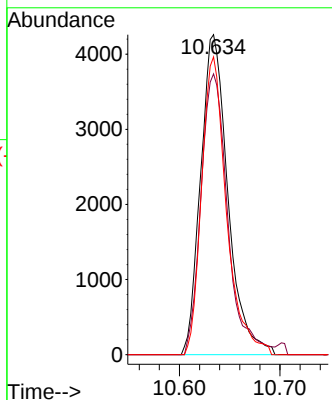
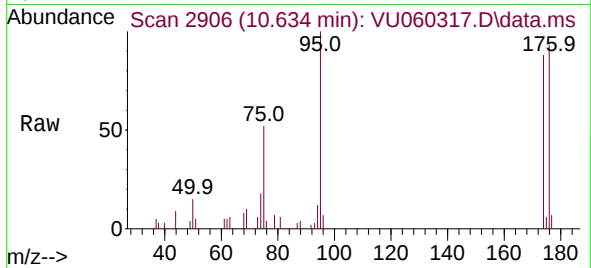




#57
4-Bromofluorobenzene
Concen: 0.868 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. 0.006 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

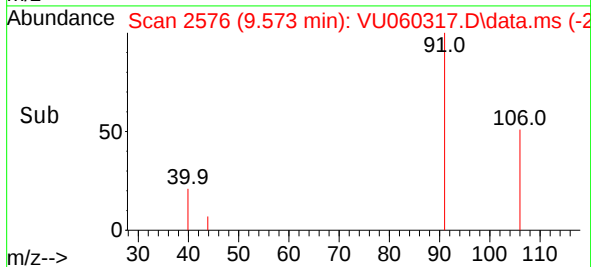
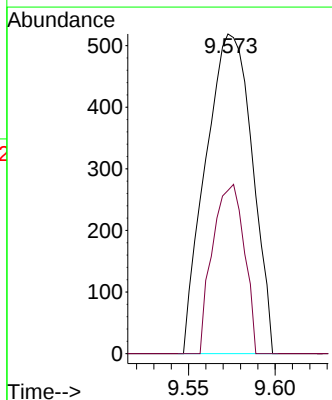
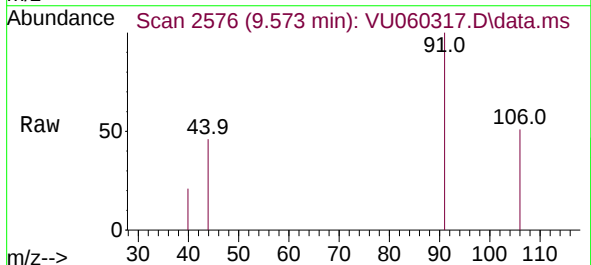
Instrument :
MSVOA_U
ClientSampleId :

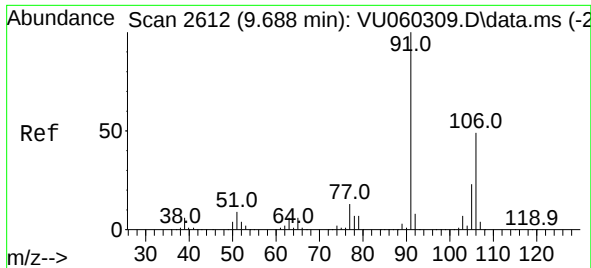
Tgt Ion: 95 Resp: 8031
Ion Ratio Lower Upper
95 100
174 86.0 65.6 98.4
176 85.1 60.4 90.6



#63
Ethyl Benzene
Concen: 0.360 ug/l
RT: 9.573 min Scan# 2576
Delta R.T. 0.006 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

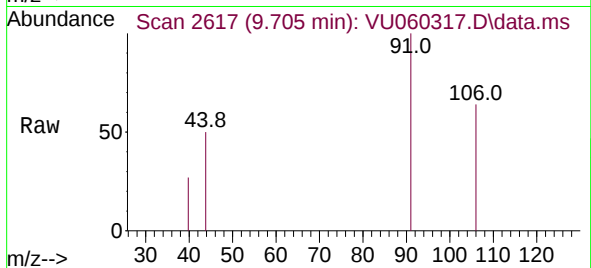
Tgt Ion: 91 Resp: 970
Ion Ratio Lower Upper
91 100
106 51.1 24.4 36.6#



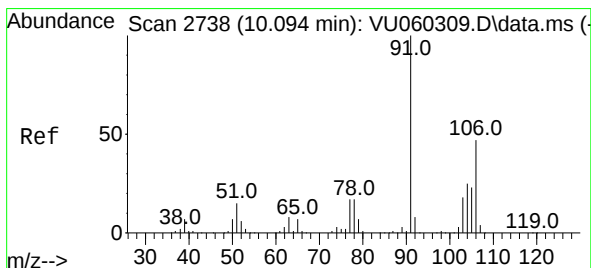
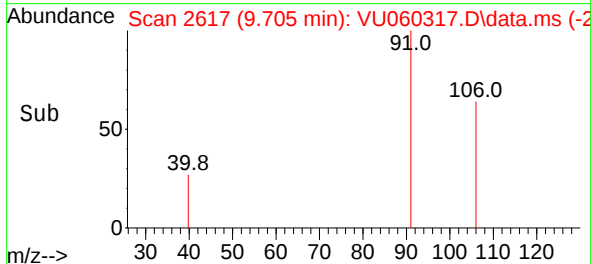
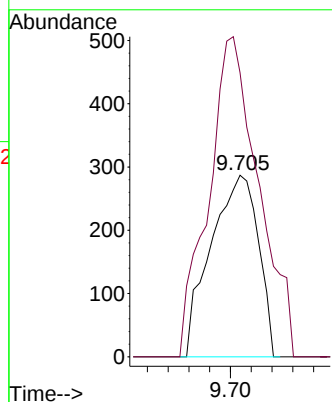


#64
m/p-Xylenes
Concen: 0.926 ug/l
RT: 9.705 min Scan# 20
Delta R.T. 0.016 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

Instrument :
MSVOA_U
ClientSampleId :

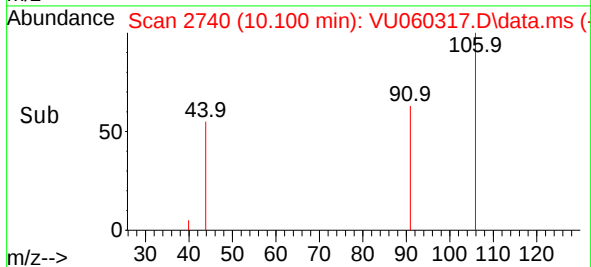
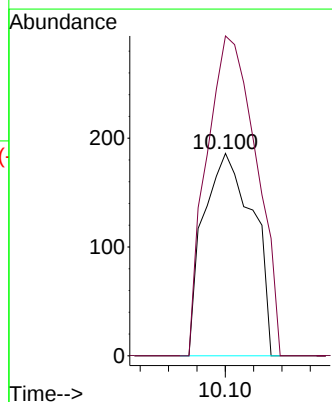
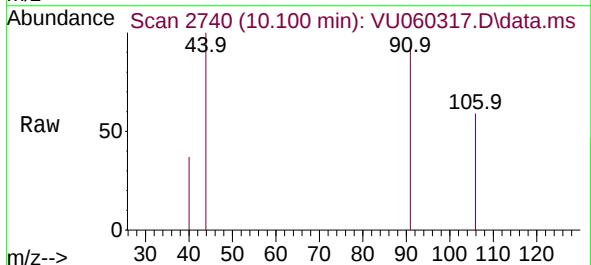


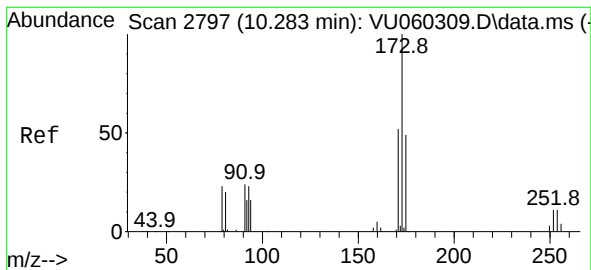
Tgt Ion:106 Resp: 456
Ion Ratio Lower Upper
106 100
91 185.3 165.0 247.4



#65
o-Xylene
Concen: 0.458 ug/l
RT: 10.100 min Scan# 2740
Delta R.T. 0.006 min
Lab File: VU060317.D
Acq: 05 Aug 2024 19:22

Tgt Ion:106 Resp: 225
Ion Ratio Lower Upper
106 100
91 21485.3 108.8 326.4#





#67

Bromoform

Concen: 48.169 ug/l

RT: 10.283 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

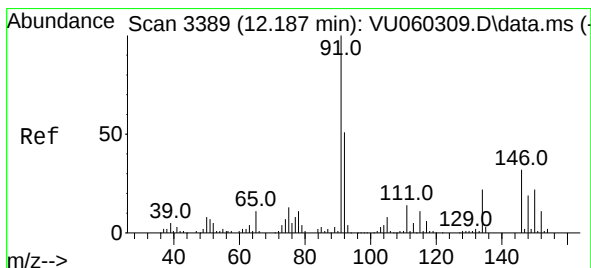
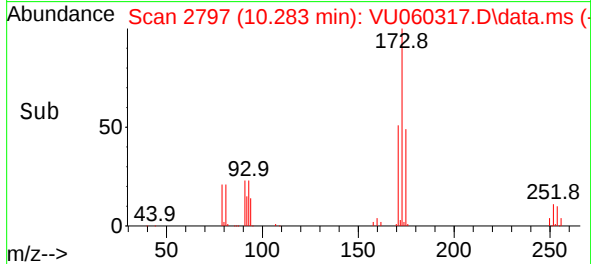
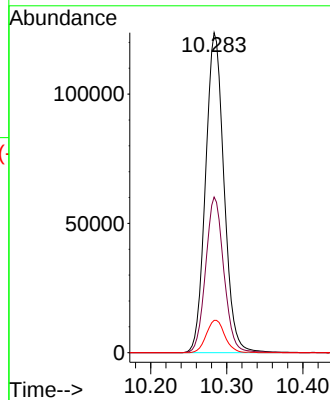
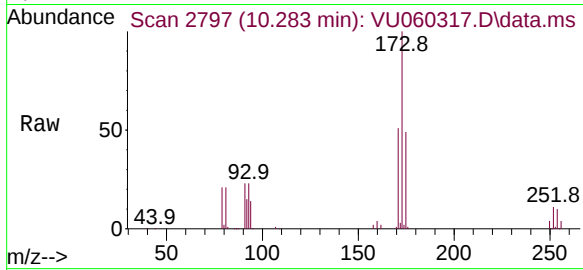
Tgt Ion:173 Resp: 208766

Ion Ratio Lower Upper

173 100

175 48.1 39.7 59.5

254 10.2 8.2 12.4



#68

1,2-Dichlorobenzene-d4

Concen: 0.844 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.003 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

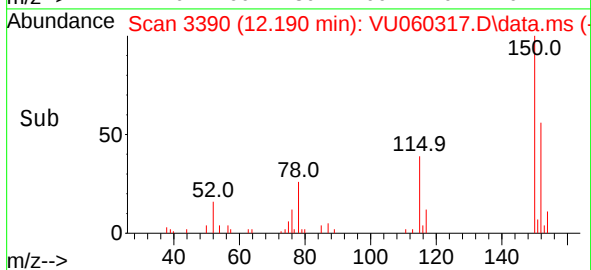
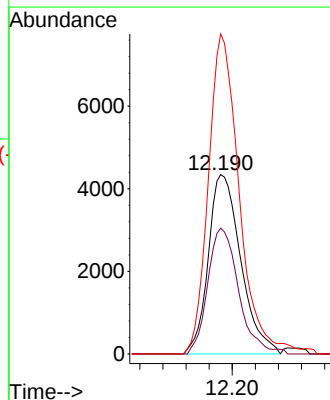
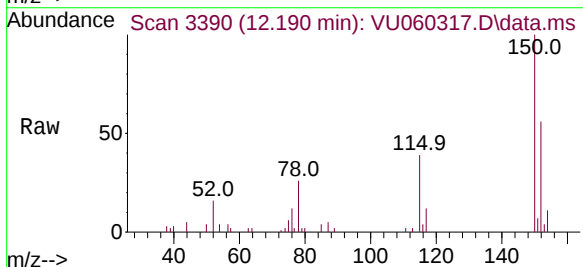
Tgt Ion:152 Resp: 8491

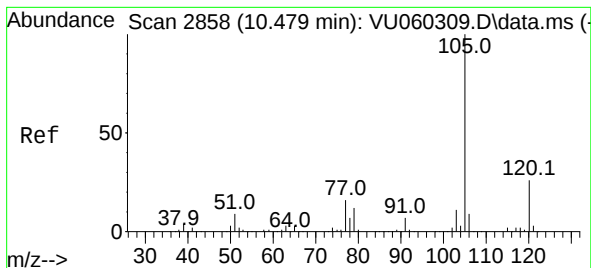
Ion Ratio Lower Upper

152 100

115 66.6 0.0 325.2

150 169.2 0.0 684.2





#69

Isopropylbenzene

Concen: 0.477 ug/l

RT: 10.489 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

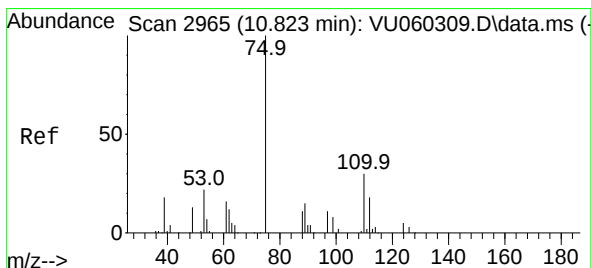
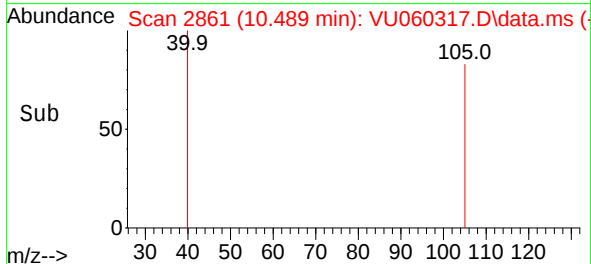
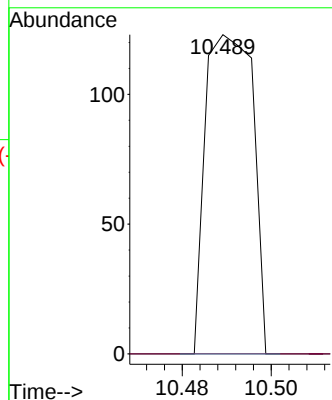
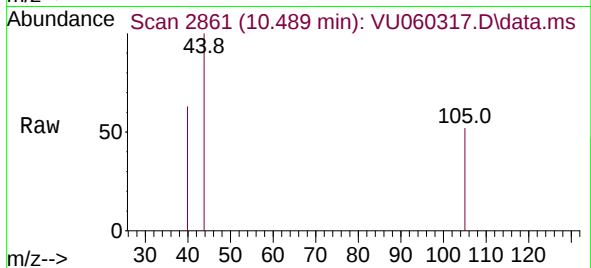
ClientSampleId :

Tgt Ion:105 Resp: 91

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#



#71

1,2,3-Trichloropropane

Concen: 0.594 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.193 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Tgt Ion: 75 Resp: 3950

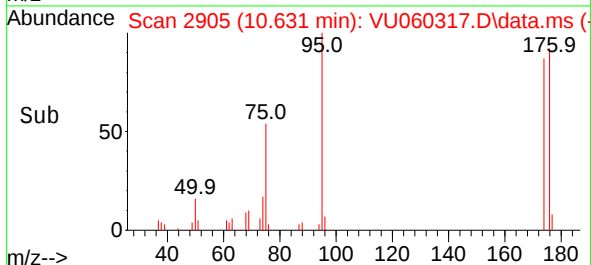
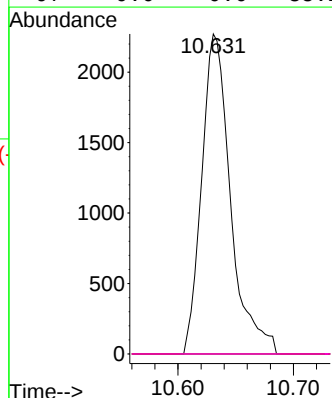
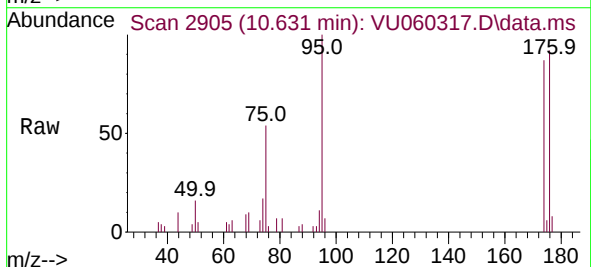
Ion Ratio Lower Upper

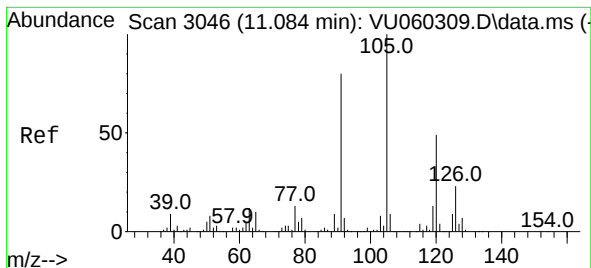
75 100

77 3.2 0.0 102.2

110 0.0 0.0 67.4

97 0.0 0.0 38.2





#75

1,3,5-Trimethylbenzene

Concen: 0.458 ug/l

RT: 11.100 min Scan# 3046

Delta R.T. 0.016 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

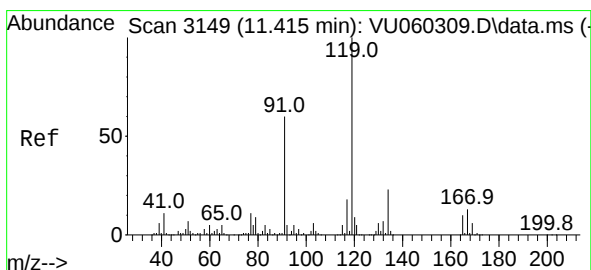
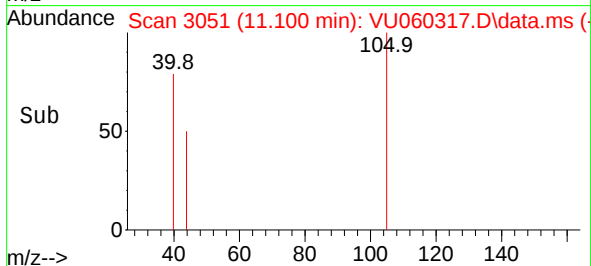
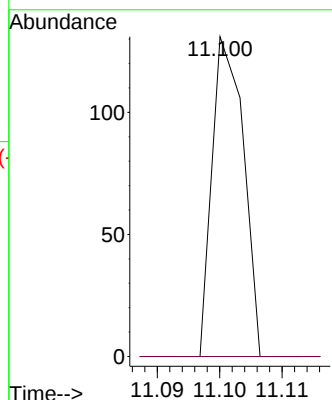
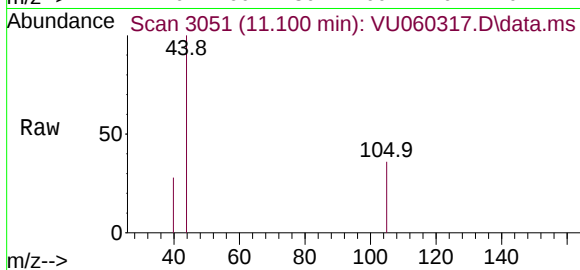
ClientSampleId :

Tgt Ion:105 Resp: 46

Ion Ratio Lower Upper

105 100

120 0.0 38.6 57.8#



#77

tert-Butylbenzene

Concen: 0.446 ug/l

RT: 11.428 min Scan# 3153

Delta R.T. 0.013 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

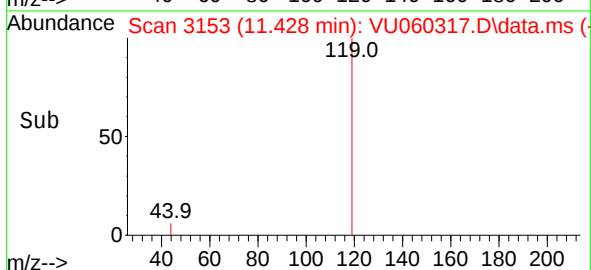
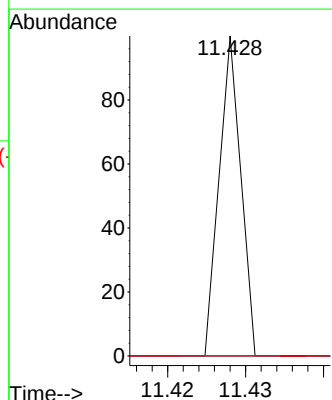
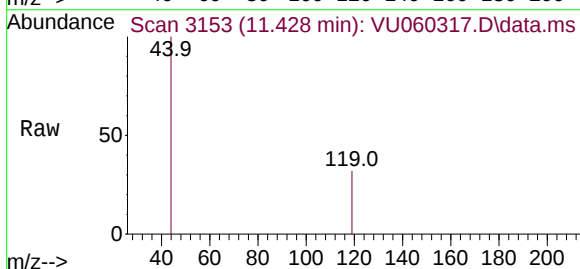
Tgt Ion:119 Resp: 19

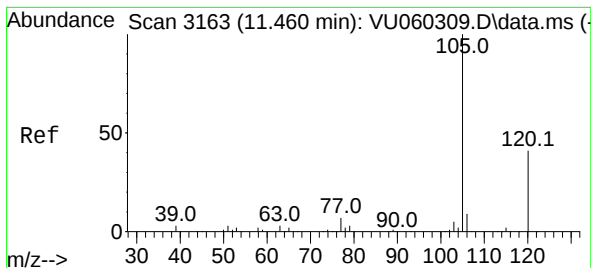
Ion Ratio Lower Upper

119 100

91 0.0 29.0 87.1#

134 0.0 17.8 26.8#





#78

1,2,4-Trimethylbenzene

Concen: 0.498 ug/l

RT: 11.489 min Scan# 3163

Delta R.T. 0.029 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

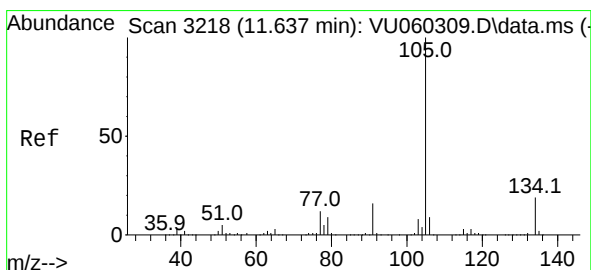
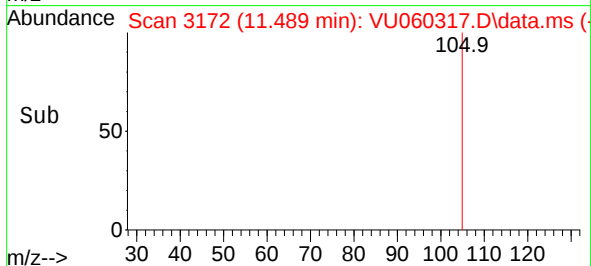
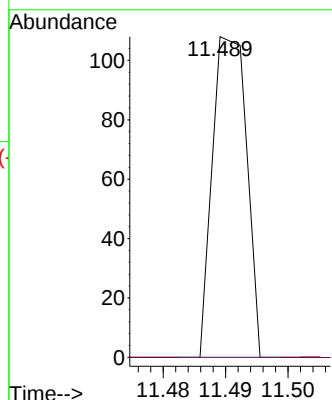
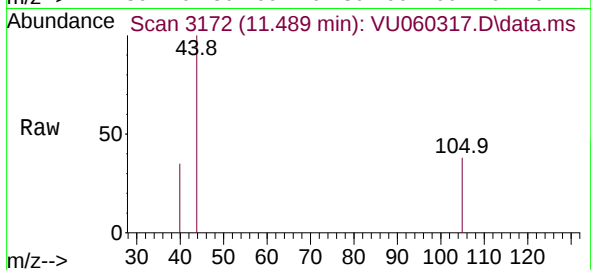
ClientSampleId :

Tgt Ion:105 Resp: 41

Ion Ratio Lower Upper

105 100

120 0.0 22.6 67.7#



#79

sec-Butylbenzene

Concen: 0.457 ug/l

RT: 11.643 min Scan# 3220

Delta R.T. 0.006 min

Lab File: VU060317.D

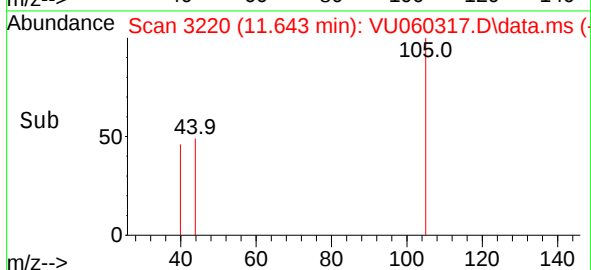
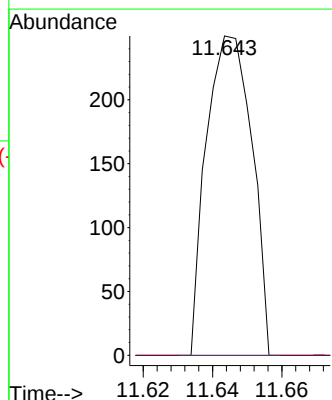
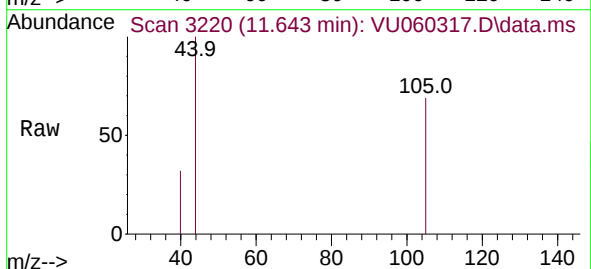
Acq: 05 Aug 2024 19:22

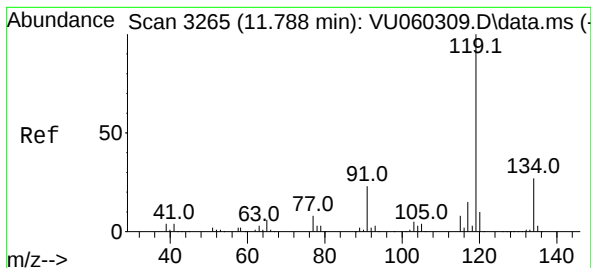
Tgt Ion:105 Resp: 228

Ion Ratio Lower Upper

105 100

134 0.0 15.5 23.3#





#81

p-Isopropyltoluene

Concen: 0.523 ug/l

RT: 11.801 min Scan# 3403

Delta R.T. 0.013 min

Lab File: VU060317.D

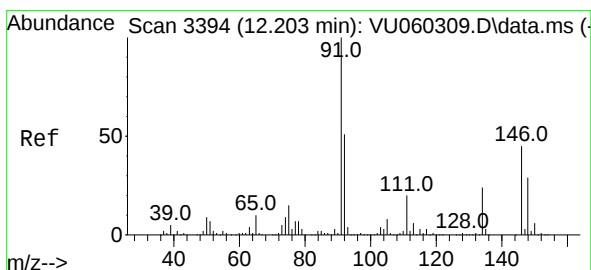
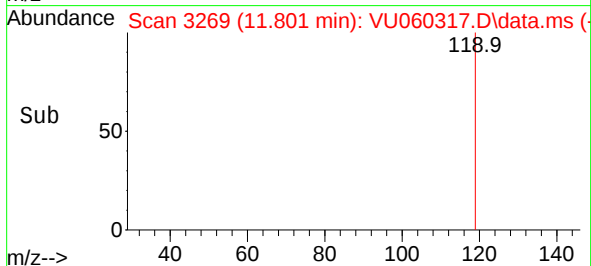
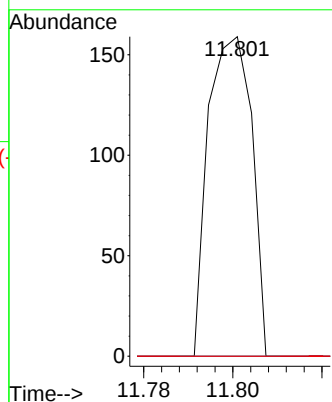
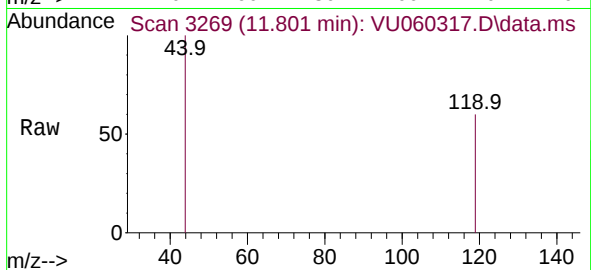
Acq: 05 Aug 2024 19:22

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	119	Resp:	108
Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.2	31.8#
91	0.0	18.9	28.3#



#84

n-Butylbenzene

Concen: 0.465 ug/l

RT: 12.232 min Scan# 3403

Delta R.T. 0.029 min

Lab File: VU060317.D

Acq: 05 Aug 2024 19:22

Tgt Ion:	91	Resp:	201
Ion	Ratio	Lower	Upper
91	100		
92	0.0	41.0	61.6#
134	0.0	19.4	29.2#

