

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060311.D
 Acq On : 05 Aug 2024 14:44
 Operator : MD/SY
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 06 06:03:31 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)

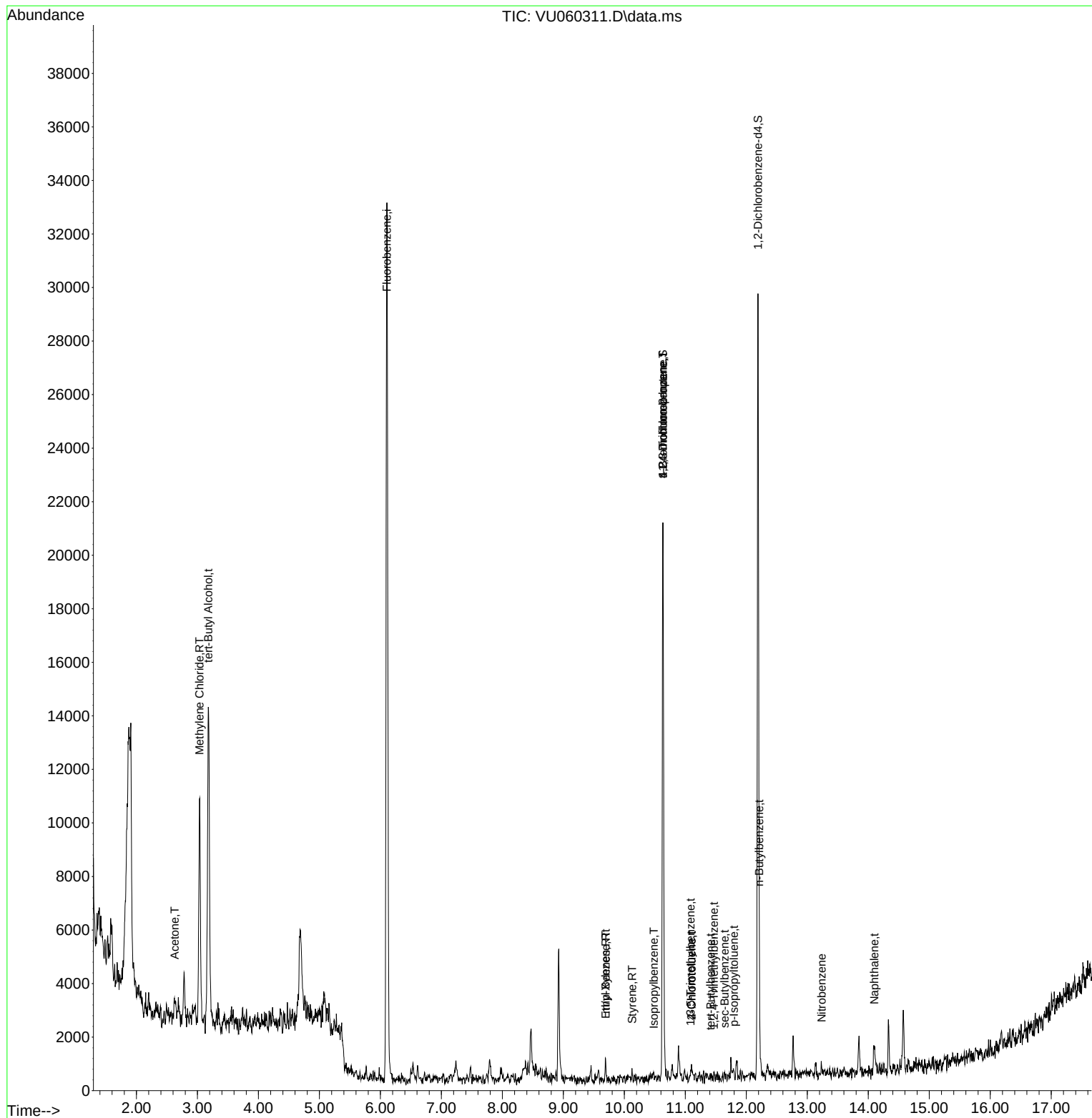
Internal Standards						
1) Fluorobenzene	6.107	96	32152	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7665	0.700	ug/l	0.00
Spiked Amount 1.000			Recovery	=	70.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	8328	0.700	ug/l	0.00
Spiked Amount 1.000			Recovery	=	70.000%	
Target Compounds						
						Qvalue
13) Acetone	2.628	43	857	0.361	ug/l	# 78
15) Methylene Chloride	3.033	84	4172	0.347	ug/l	93
24) tert-Butyl Alcohol	3.178	59	7629	7.455	ug/l	# 83
46) t-1,4-Dichloro-2-butene	10.631	75	3440	1.202	ug/l	# 25
63) Ethyl Benzene	9.695	91	542	0.346	ug/l	96
64) m/p-Xylenes	9.692	106	97	0.903	ug/l	# 1
66) Styrene	10.126	104	70	0.473	ug/l	# 12
69) Isopropylbenzene	10.483	105	68	0.476	ug/l	# 49
71) 1,2,3-Trichloropropane	10.631	75	3440	0.437	ug/l	# 44
74) 2-Chlorotoluene	11.100	126	42	0.319	ug/l	# 1
75) 1,3,5-Trimethylbenzene	11.087	105	67	0.459	ug/l	# 29
76) 4-Chlorotoluene	11.100	126	42	0.340	ug/l	# 1
77) tert-Butylbenzene	11.415	119	42	0.446	ug/l	# 31
78) 1,2,4-Trimethylbenzene	11.470	105	180	0.501	ug/l	# 31
79) sec-Butylbenzene	11.643	105	179	0.456	ug/l	# 57
80) Nitrobenzene	13.235	77	191	0.409	ug/l	# 68
81) p-Isopropyltoluene	11.798	119	184	0.524	ug/l	# 50
84) n-Butylbenzene	12.213	91	381	0.469	ug/l	# 50
89) Naphthalene	14.100	128	1763	0.264	ug/l	# 87

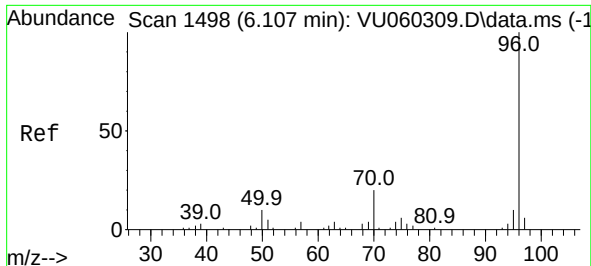
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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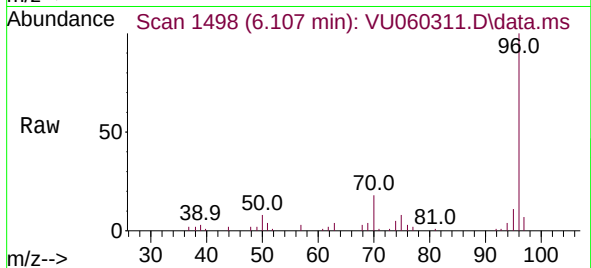
Quant Time: Aug 06 06:03:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 05:58:50 2024
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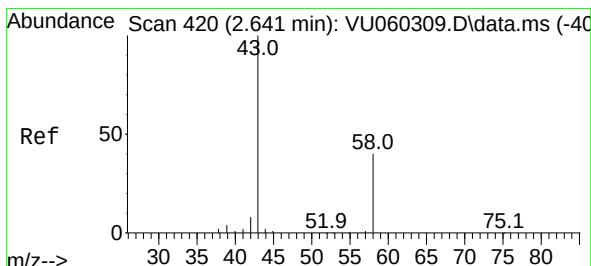
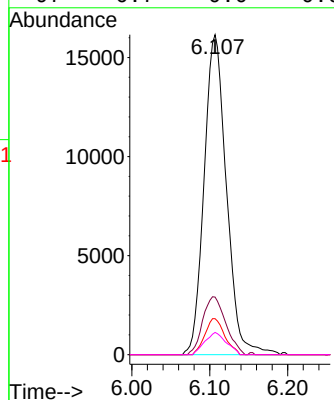
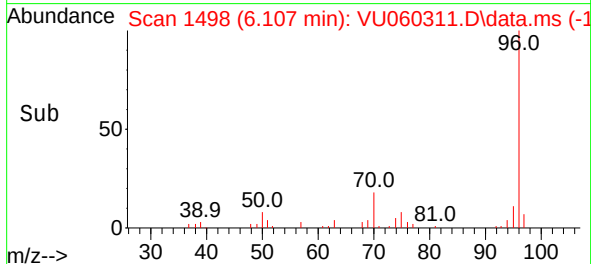


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 1498
Delta R.T. -0.000 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

Instrument :
MSVOA_U
ClientSampleId :

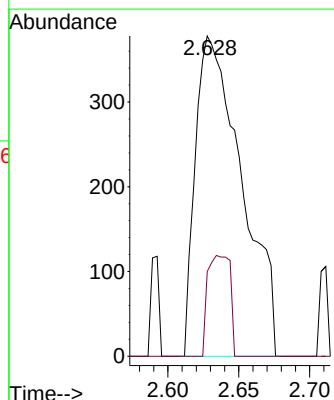
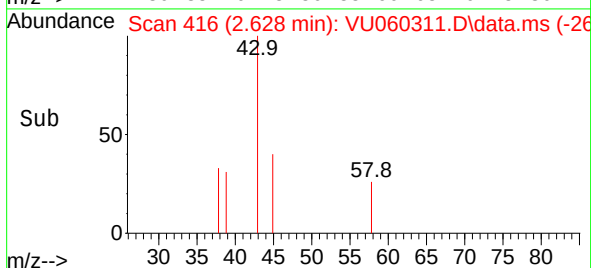
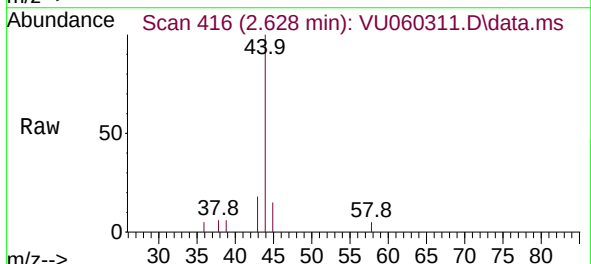


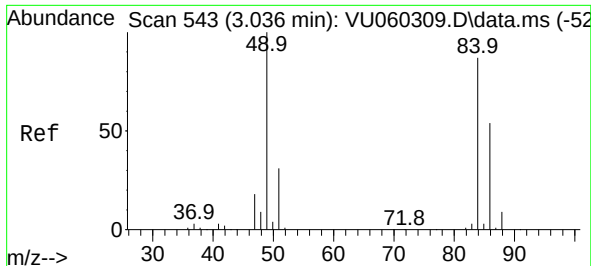
Tgt Ion: 96 Resp: 32152
Ion Ratio Lower Upper
96 100
70 18.6 17.2 25.8
95 10.0 7.9 11.9
97 6.7 0.0 0.0#



#13
Acetone
Concen: 0.361 ug/l
RT: 2.628 min Scan# 416
Delta R.T. -0.013 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

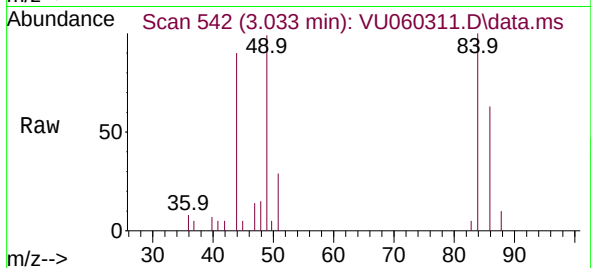
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 26.5 31.8 47.8#



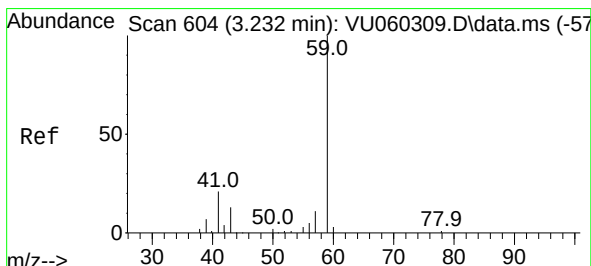
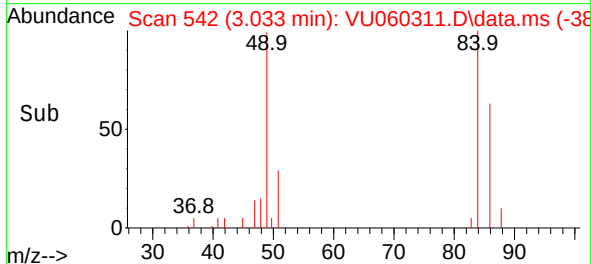
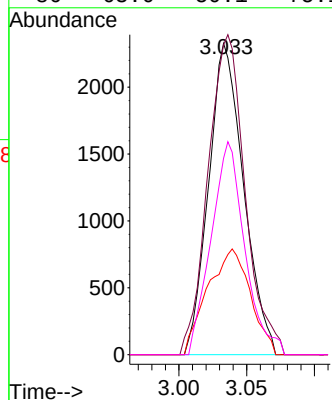


#15
Methylene Chloride
Concen: 0.347 ug/l
RT: 3.033 min Scan# 54
Delta R.T. -0.003 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

Instrument :
MSVOA_U
ClientSampleId :

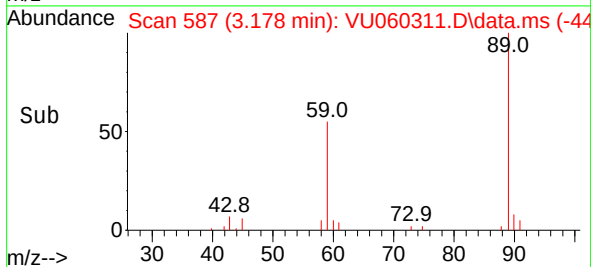
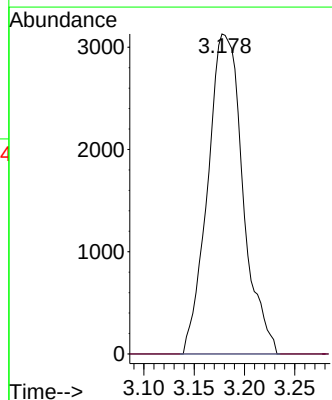
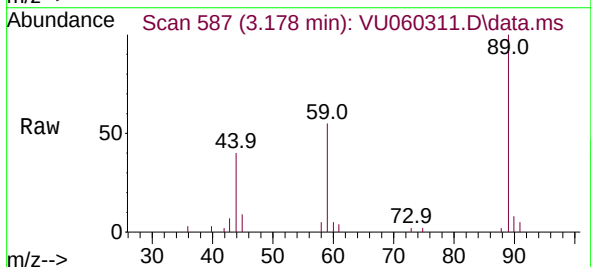


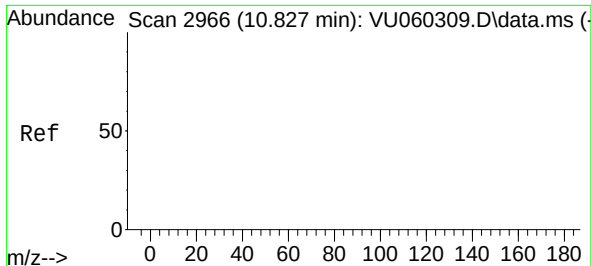
Tgt Ion: 84	Resp: 4172
Ion Ratio	Lower Upper
84 100	
49 104.9	92.1 138.1
51 29.5	0.0 72.4
86 63.0	50.1 75.1



#24
tert-Butyl Alcohol
Concen: 7.455 ug/l
RT: 3.178 min Scan# 587
Delta R.T. -0.055 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

Tgt Ion: 59	Resp: 7629
Ion Ratio	Lower Upper
59 100	
57 0.0	4.5 6.7#





#46

t-1,4-Dichloro-2-butene

Concen: 1.202 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.196 min

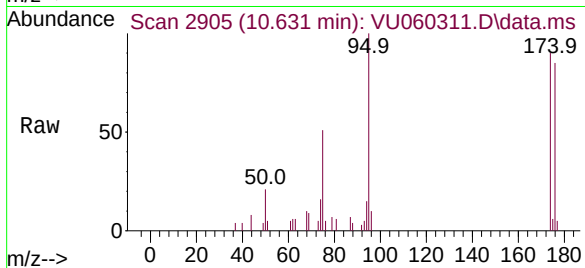
Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 3440

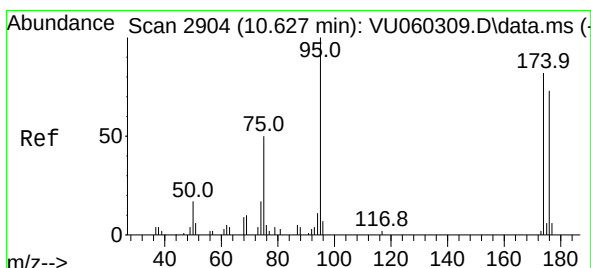
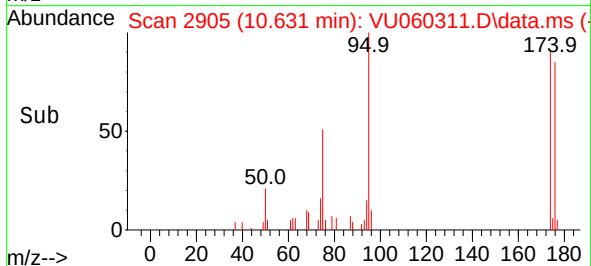
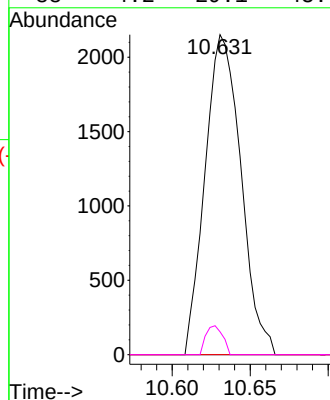
Ion Ratio Lower Upper

75 100

53 0.0 57.2 85.8#

89 0.0 40.4 60.6#

88 4.2 29.1 43.7#



#57

4-Bromofluorobenzene

Concen: 0.700 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

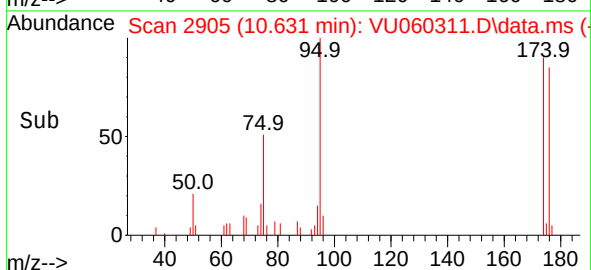
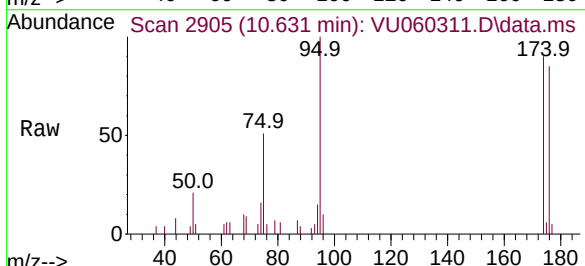
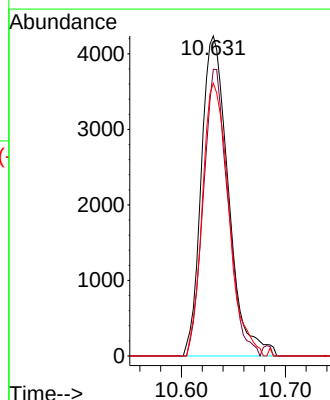
Tgt Ion: 95 Resp: 7665

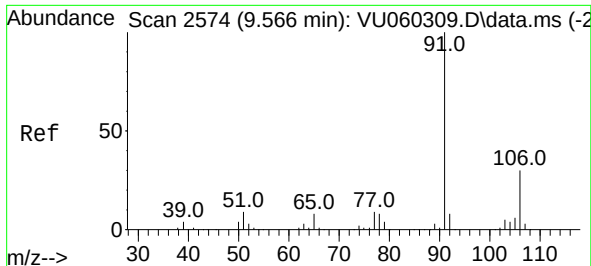
Ion Ratio Lower Upper

95 100

174 81.5 65.6 98.4

176 82.9 60.4 90.6





#63

Ethyl Benzene

Concen: 0.346 ug/l

RT: 9.695 min Scan# 2614

Delta R.T. 0.129 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Instrument :

MSVOA_U

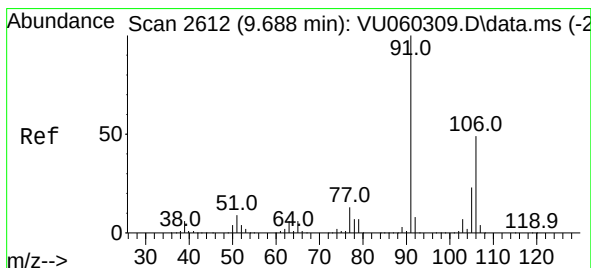
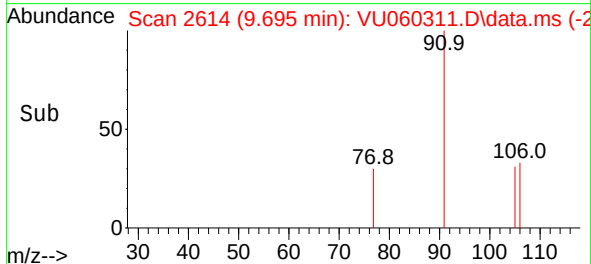
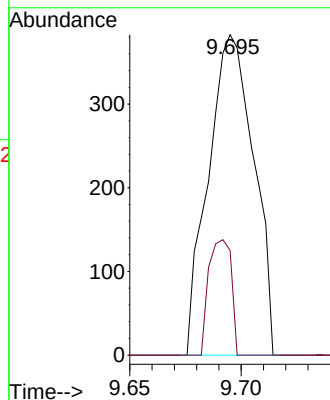
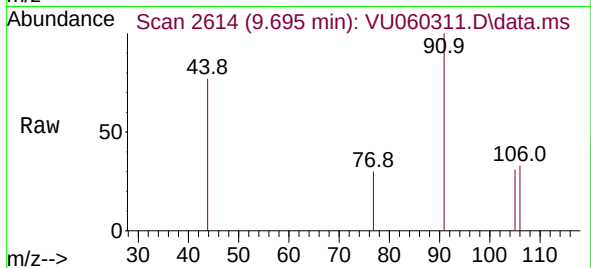
ClientSampleId :

Tgt Ion: 91 Resp: 542

Ion Ratio Lower Upper

91 100

106 32.6 24.4 36.6



#64

m/p-Xylenes

Concen: 0.903 ug/l

RT: 9.692 min Scan# 2613

Delta R.T. 0.003 min

Lab File: VU060311.D

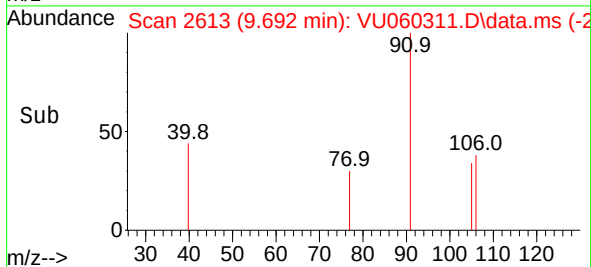
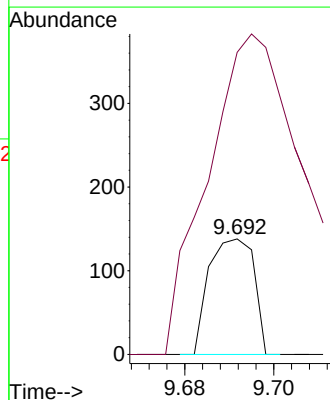
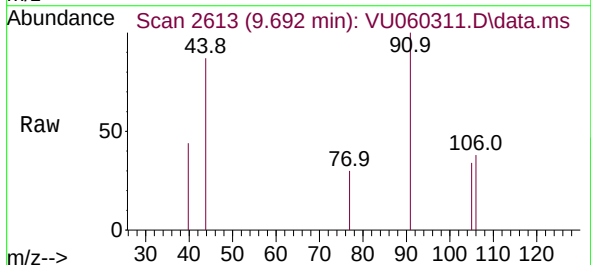
Acq: 05 Aug 2024 14:44

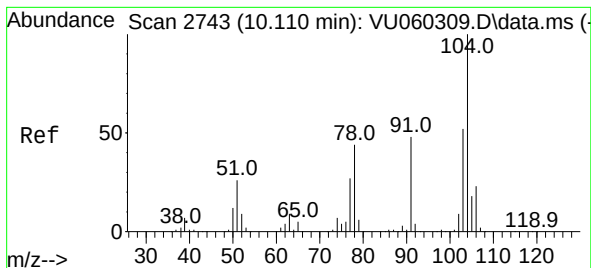
Tgt Ion: 106 Resp: 97

Ion Ratio Lower Upper

106 100

91 558.8 165.0 247.4#





#66

Styrene

Concen: 0.473 ug/l

RT: 10.126 min Scan# 21

Delta R.T. 0.016 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Instrument :

MSVOA_U

ClientSampleId :

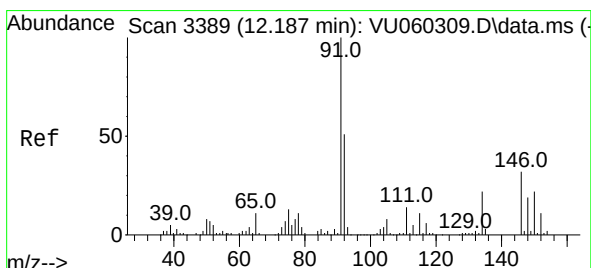
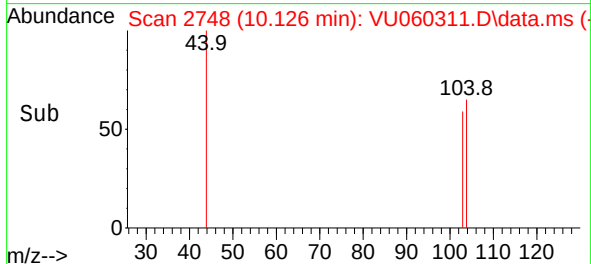
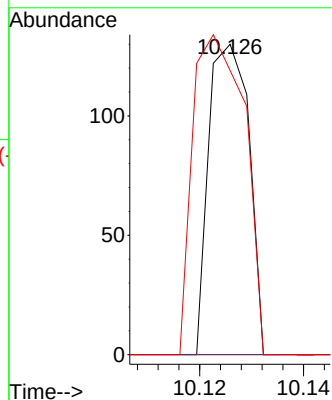
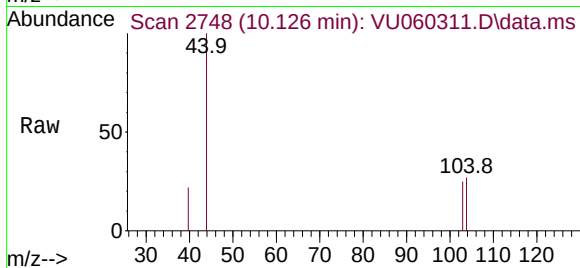
Tgt Ion:104 Resp: 70

Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

103 131.4 45.0 67.6#



#68

1,2-Dichlorobenzene-d4

Concen: 0.700 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.003 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

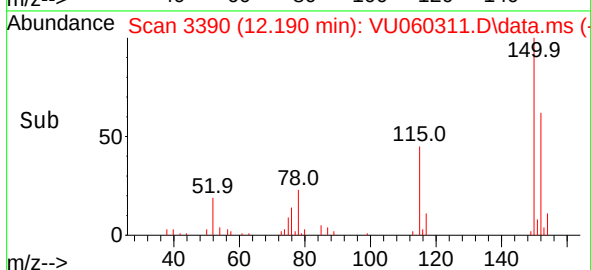
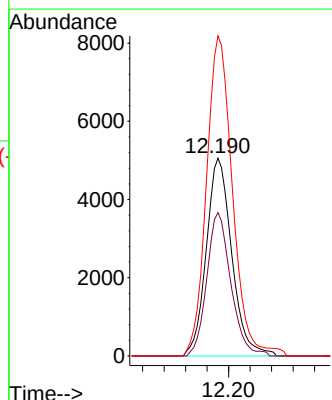
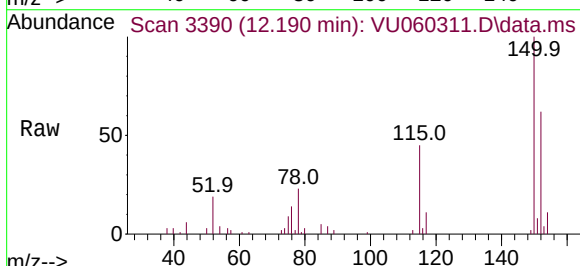
Tgt Ion:152 Resp: 8328

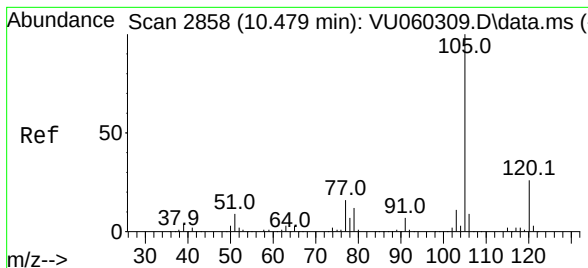
Ion Ratio Lower Upper

152 100

115 68.3 0.0 325.2

150 165.1 0.0 684.2





#69

Isopropylbenzene

Concen: 0.476 ug/l

RT: 10.483 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Instrument :

MSVOA_U

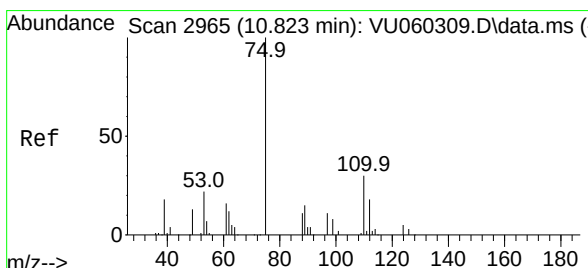
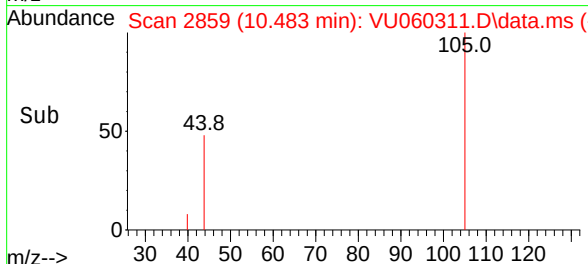
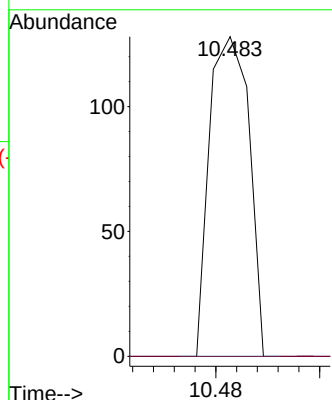
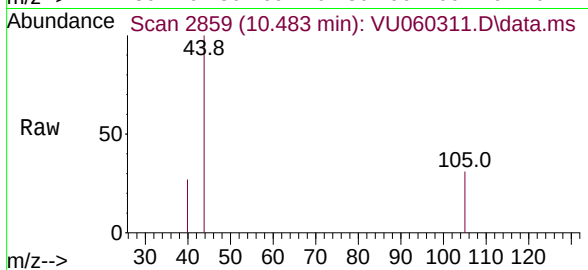
ClientSampleId :

Tgt Ion:105 Resp: 68

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#



#71

1,2,3-Trichloropropane

Concen: 0.437 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. -0.193 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Tgt Ion: 75 Resp: 3440

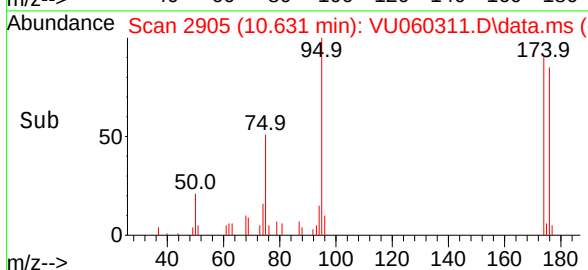
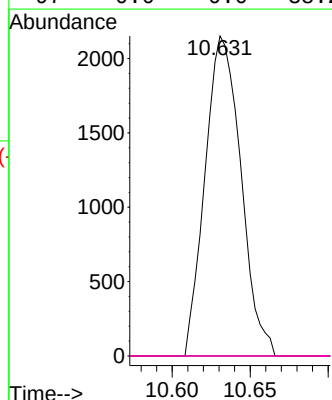
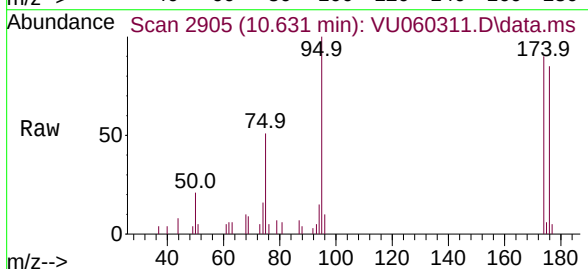
Ion Ratio Lower Upper

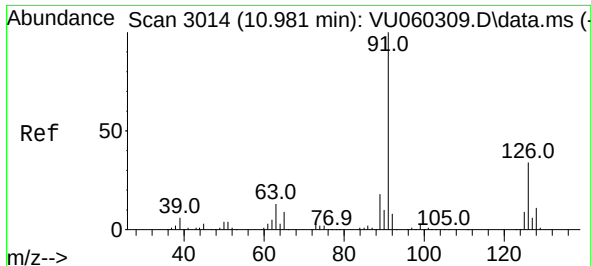
75 100

77 9.5 0.0 102.2

110 0.0 0.0 67.4

97 0.0 0.0 38.2

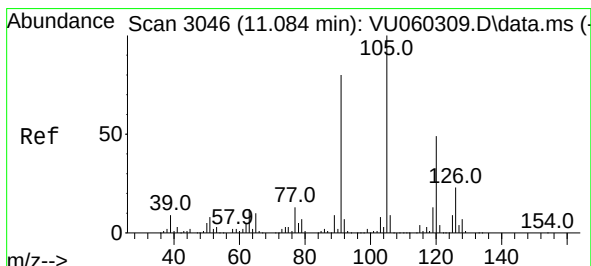
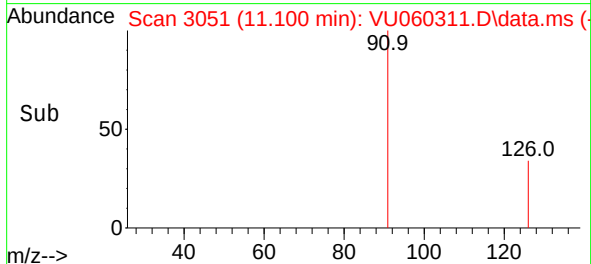
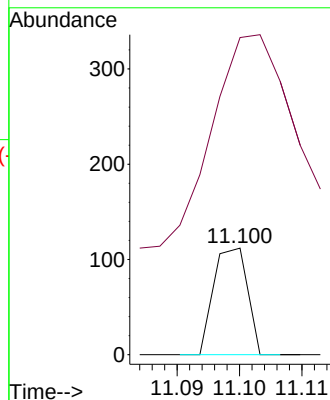
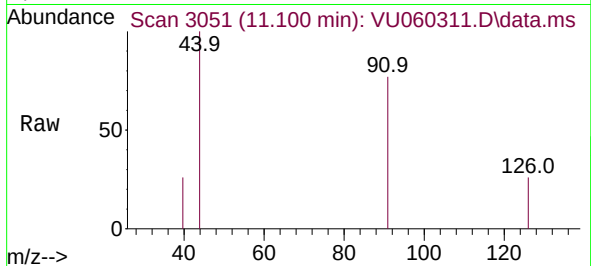




#74
2-Chlorotoluene
Concen: 0.319 ug/l
RT: 11.100 min Scan# 3051
Delta R.T. 0.119 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

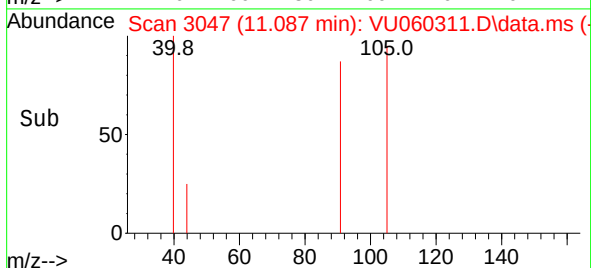
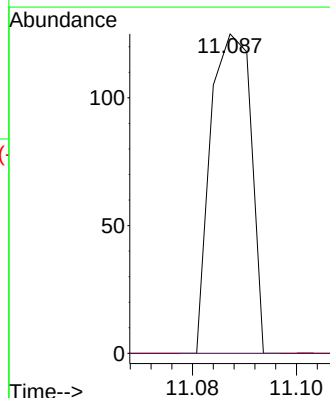
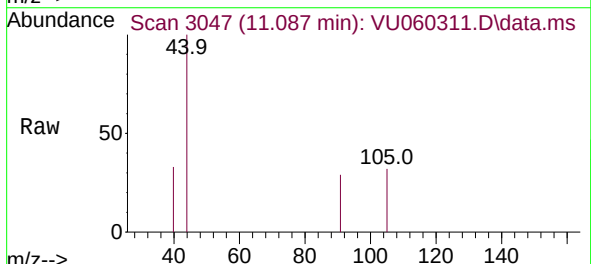
Instrument :
MSVOA_U
ClientSampleId :

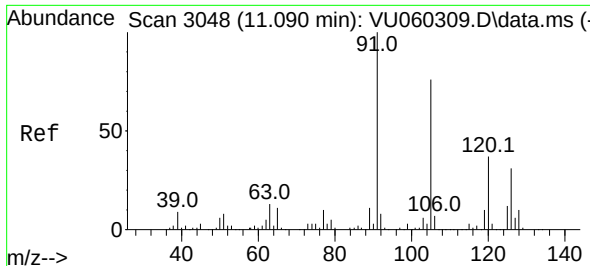
Tgt Ion:126 Resp: 42
Ion Ratio Lower Upper
126 100
91 1059.5 0.0 585.6#



#75
1,3,5-Trimethylbenzene
Concen: 0.459 ug/l
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

Tgt Ion:105 Resp: 67
Ion Ratio Lower Upper
105 100
120 0.0 38.6 57.8#

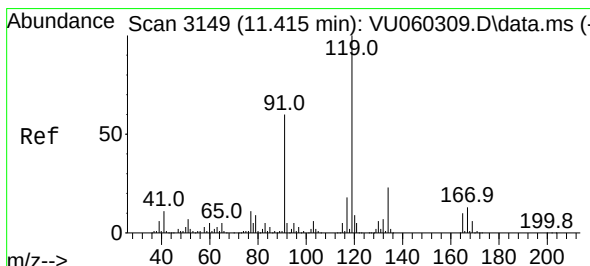
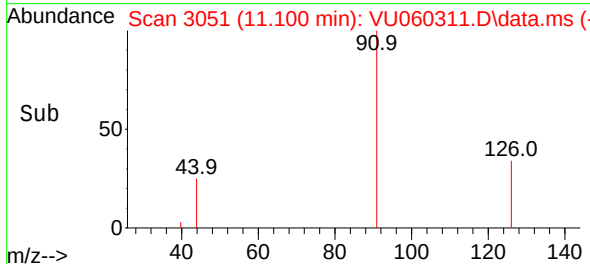
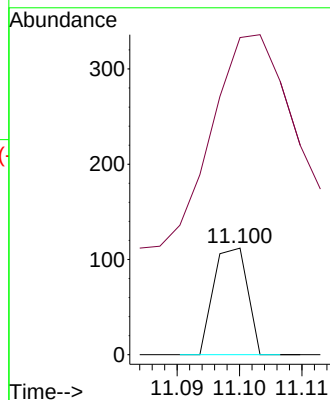
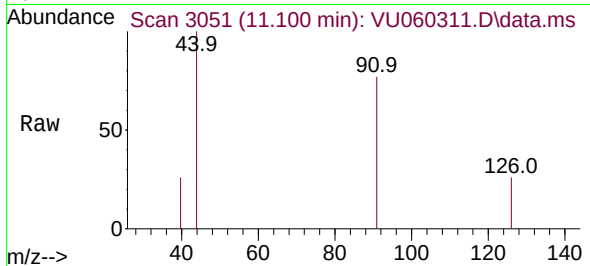




#76
4-Chlorotoluene
Concen: 0.340 ug/l
RT: 11.100 min Scan# 3048
Delta R.T. 0.010 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

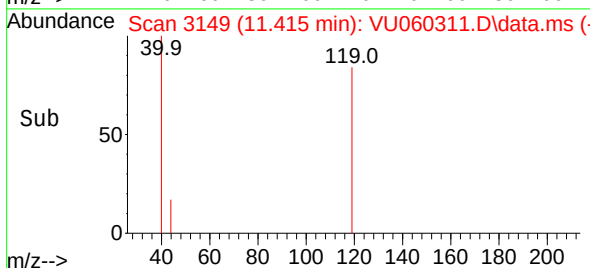
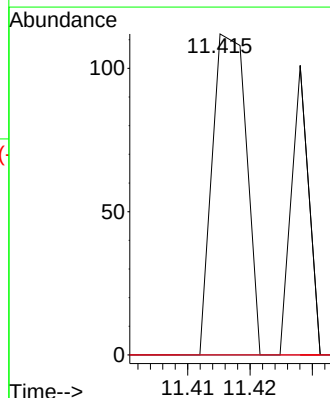
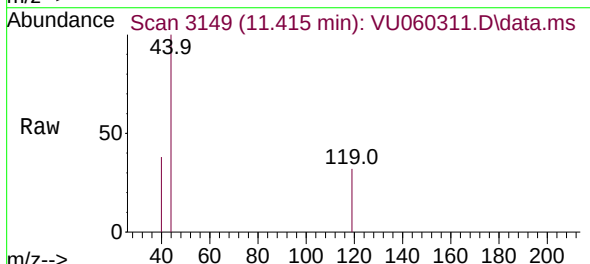
Instrument :
MSVOA_U
ClientSampleId :

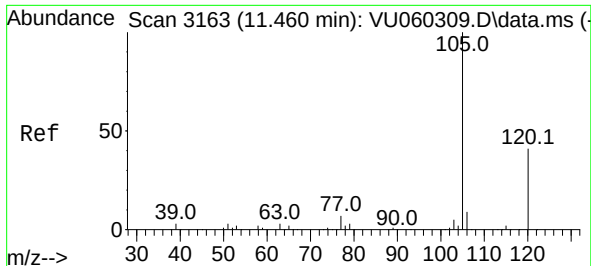
Tgt Ion:126 Resp: 42
Ion Ratio Lower Upper
126 100
91 1059.5 0.0 669.4#



#77
tert-Butylbenzene
Concen: 0.446 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU060311.D
Acq: 05 Aug 2024 14:44

Tgt Ion:119 Resp: 42
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: 0.501 ug/l

RT: 11.470 min Scan# 3166

Delta R.T. 0.010 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Instrument :

MSVOA_U

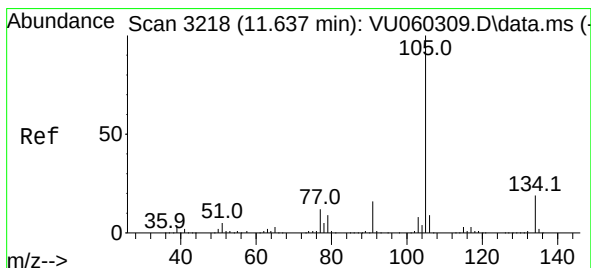
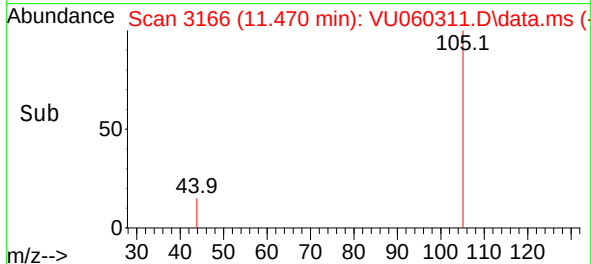
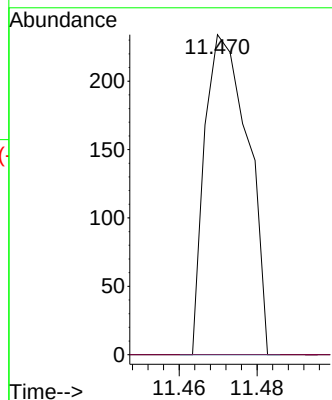
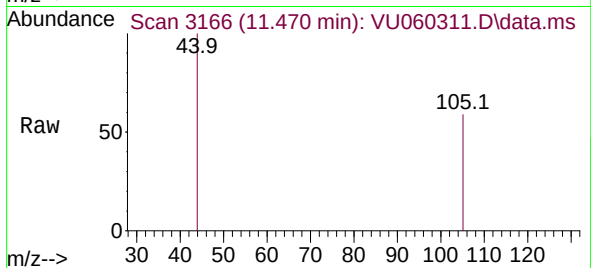
ClientSampleId :

Tgt Ion:105 Resp: 180

Ion Ratio Lower Upper

105 100

120 0.0 22.6 67.7#



#79

sec-Butylbenzene

Concen: 0.456 ug/l

RT: 11.643 min Scan# 3220

Delta R.T. 0.006 min

Lab File: VU060311.D

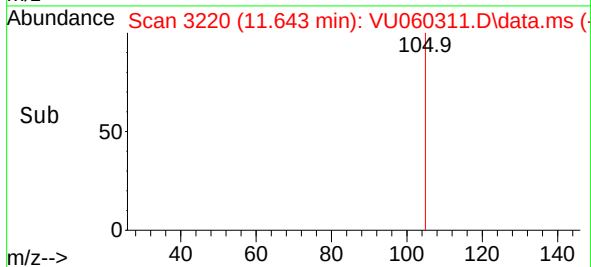
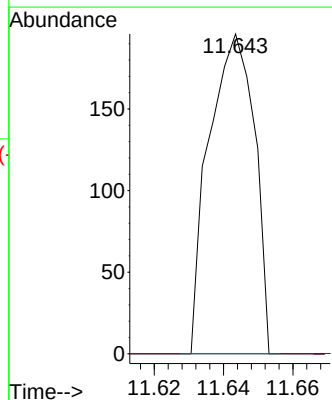
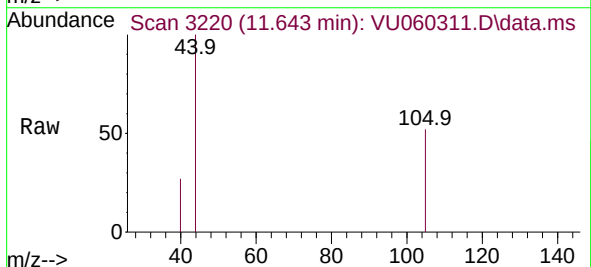
Acq: 05 Aug 2024 14:44

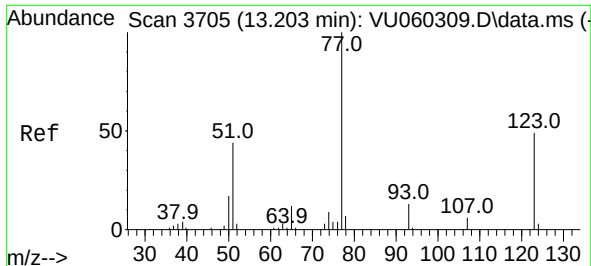
Tgt Ion:105 Resp: 179

Ion Ratio Lower Upper

105 100

134 0.0 15.5 23.3#





#80

Nitrobenzene

Concen: 0.409 ug/l

RT: 13.235 min Scan# 31

Delta R.T. 0.032 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Instrument :

MSVOA_U

ClientSampleId :

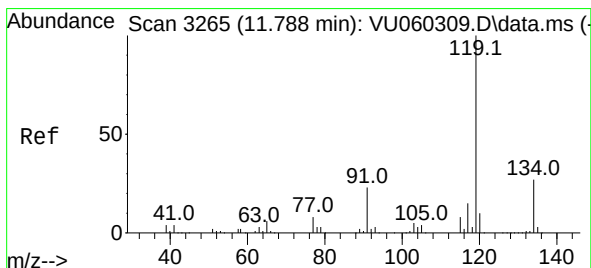
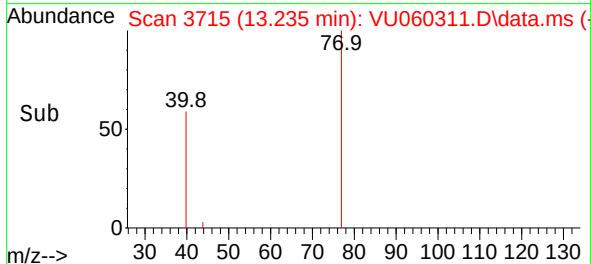
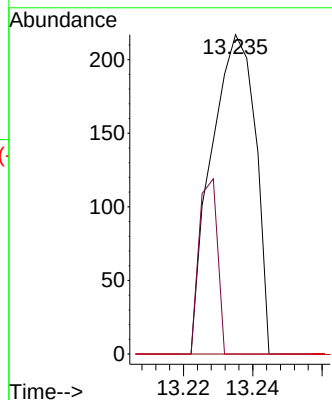
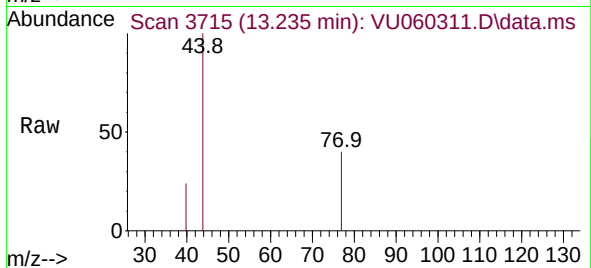
Tgt Ion: 77 Resp: 191

Ion Ratio Lower Upper

77 100

123 23.0 19.6 69.6

65 0.0 9.0 11.4#



#81

p-Isopropyltoluene

Concen: 0.524 ug/l

RT: 11.798 min Scan# 3268

Delta R.T. 0.010 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

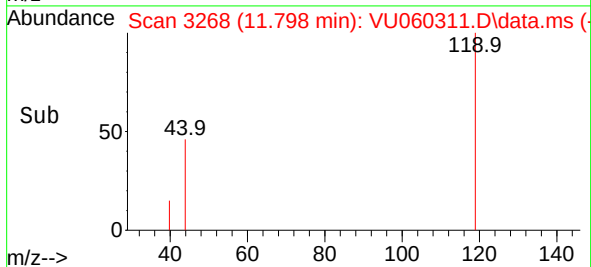
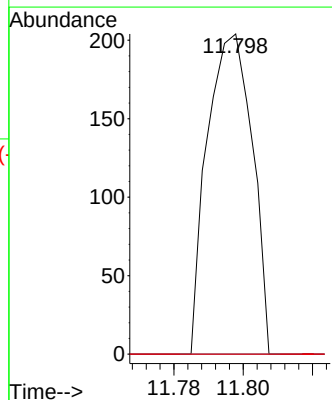
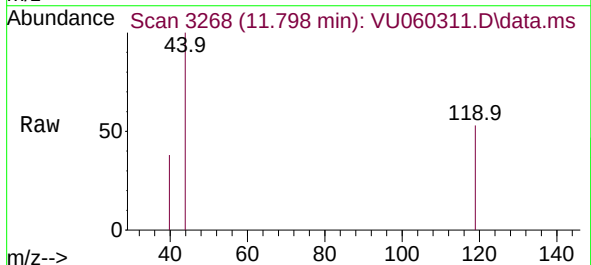
Tgt Ion: 119 Resp: 184

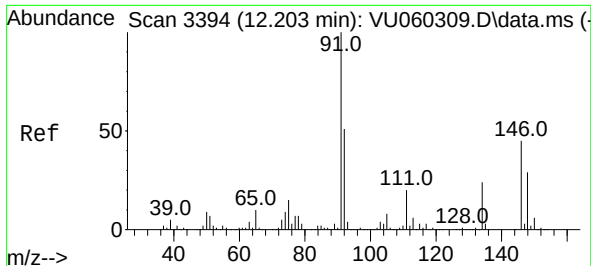
Ion Ratio Lower Upper

119 100

134 0.0 21.2 31.8#

91 0.0 18.9 28.3#





#84

n-Butylbenzene

Concen: 0.469 ug/l

RT: 12.213 min Scan# 3394

Delta R.T. 0.010 min

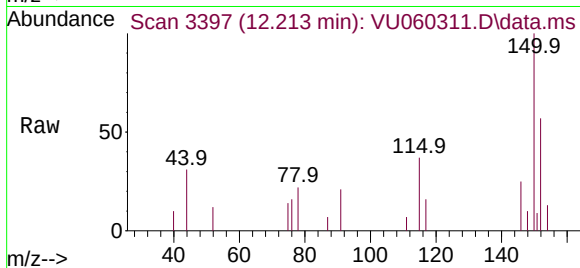
Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

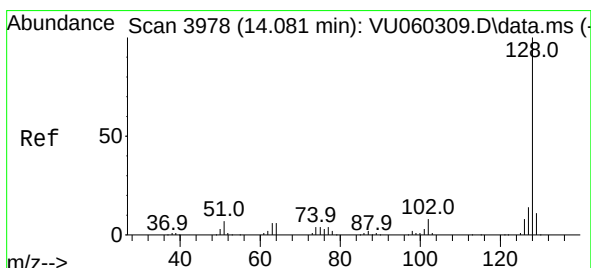
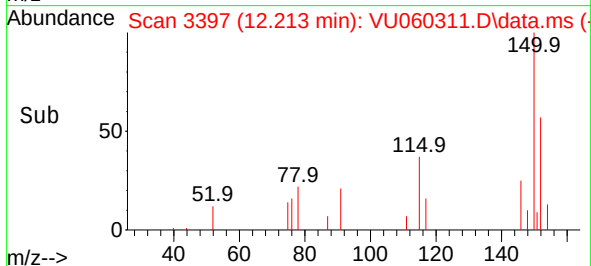
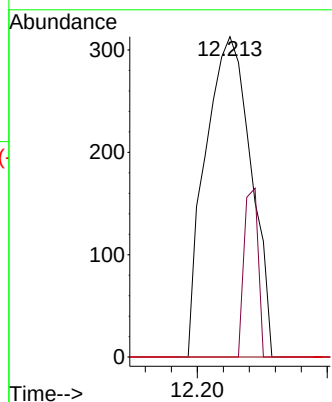
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	91	Resp:	381
Ion	Ratio	Lower	Upper
91	100		
92	16.3	41.0	61.6#
134	0.0	19.4	29.2#



#89

Naphthalene

Concen: 0.264 ug/l

RT: 14.100 min Scan# 3984

Delta R.T. 0.019 min

Lab File: VU060311.D

Acq: 05 Aug 2024 14:44

Tgt Ion:	128	Resp:	1763
Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	0.0	8.6	12.8#

