

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060331.D
 Acq On : 07 Aug 2024 11:05
 Operator : MD/SY
 Sample : VU0807WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 08 05:54:57 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)

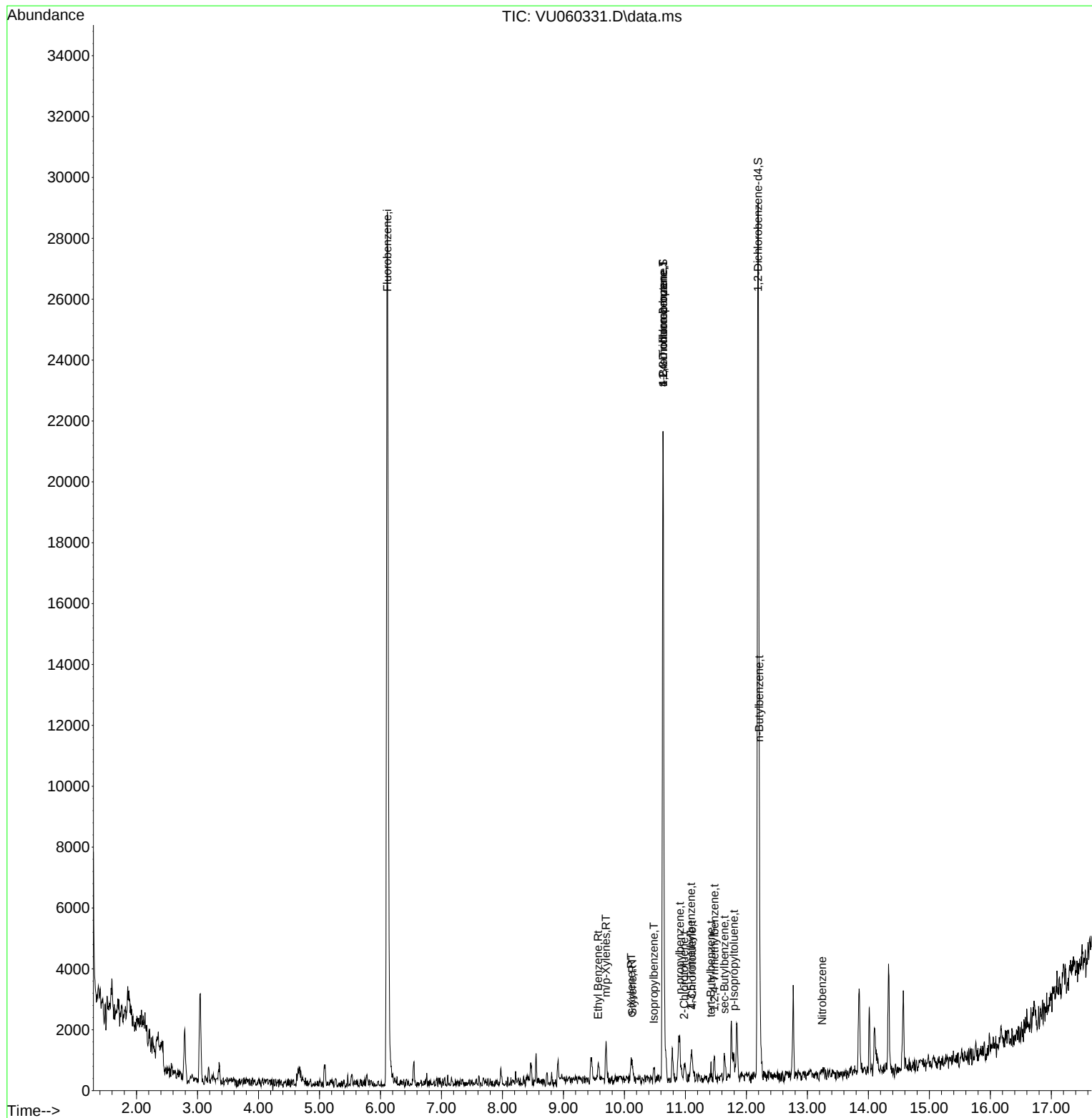
Internal Standards						
1) Fluorobenzene	6.113	96	29866	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8431	0.829	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9265	0.838	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
						Qvalue
46) t-1,4-Dichloro-2-butene	10.634	75	4103	1.544	ug/l #	26
63) Ethyl Benzene	9.569	91	913	0.519	ug/l #	44
64) m/p-Xylenes	9.698	106	526	0.927	ug/l	89
65) o-Xylene	10.113	106	76	0.447	ug/l #	1
66) Styrene	10.129	104	442	0.486	ug/l #	49
69) Isopropylbenzene	10.483	105	528	0.487	ug/l #	49
71) 1,2,3-Trichloropropane	10.634	75	4103	0.561	ug/l #	41
73) n-propylbenzene	10.910	120	157	0.501	ug/l #	1
74) 2-Chlorotoluene	10.981	126	19	0.317	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.093	105	449	0.469	ug/l	87
76) 4-Chlorotoluene	11.106	126	190	0.353	ug/l	1
77) tert-Butylbenzene	11.418	119	316	0.454	ug/l #	65
78) 1,2,4-Trimethylbenzene	11.476	105	721	0.514	ug/l	68
79) sec-Butylbenzene	11.640	105	898	0.470	ug/l	94
80) Nitrobenzene	13.244	77	155	0.358	ug/l #	39
81) p-Isopropyltoluene	11.798	119	813	0.539	ug/l #	84
84) n-Butylbenzene	12.212	91	1507	0.547	ug/l #	87

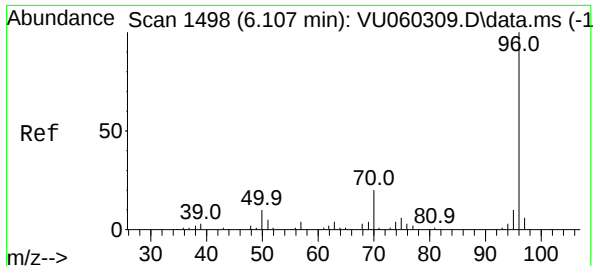
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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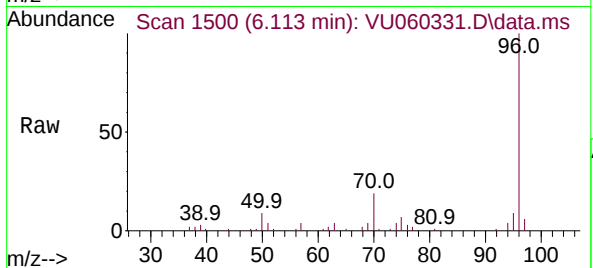
Quant Time: Aug 08 05:54:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 11:07:28 2024
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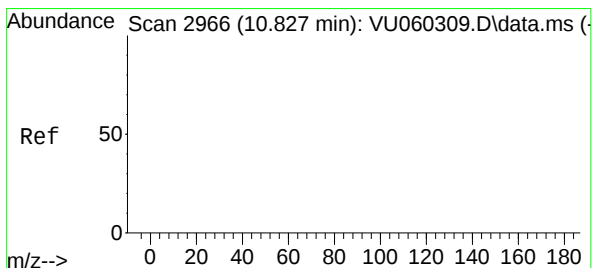
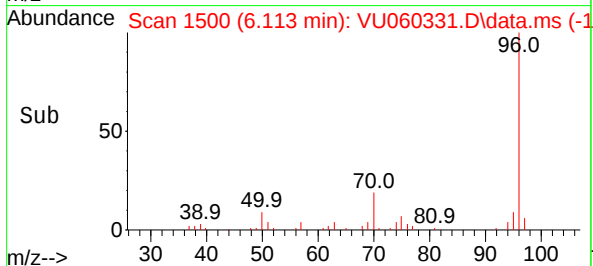
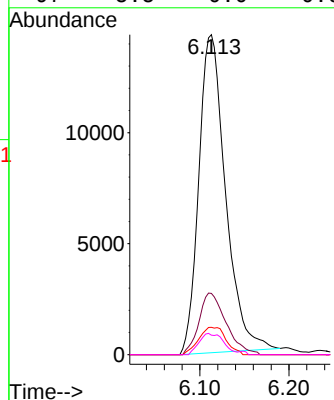


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1498
Delta R.T. 0.006 min
Lab File: VU060331.D
Acq: 07 Aug 2024 11:05

Instrument :
MSVOA_U
ClientSampleId :

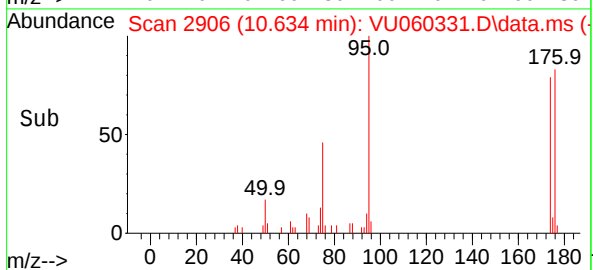
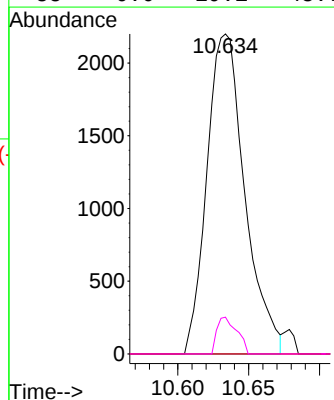
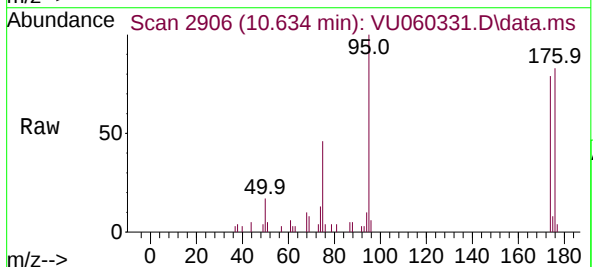


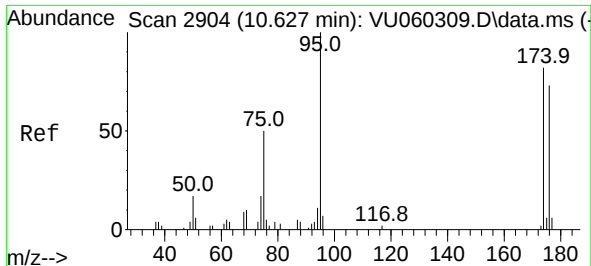
Tgt Ion: 96 Resp: 29866
Ion Ratio Lower Upper
96 100
70 19.7 17.2 25.8
95 8.8 7.9 11.9
97 5.5 0.0 0.0#



#46
t-1,4-Dichloro-2-butene
Concen: 1.544 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. -0.193 min
Lab File: VU060331.D
Acq: 07 Aug 2024 11:05

Tgt Ion: 75 Resp: 4103
Ion Ratio Lower Upper
75 100
53 0.0 57.2 85.8#
89 0.0 40.4 60.6#
88 6.0 29.1 43.7#





#57

4-Bromofluorobenzene

Concen: 0.829 ug/l

RT: 10.634 min Scan# 2906

Delta R.T. 0.006 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

ClientSampleId :

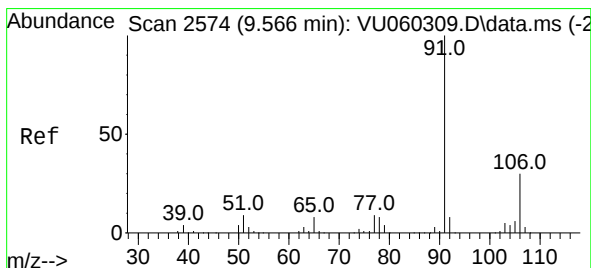
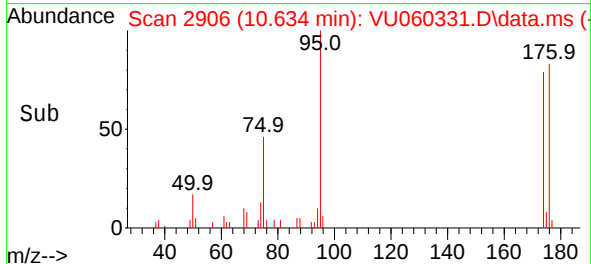
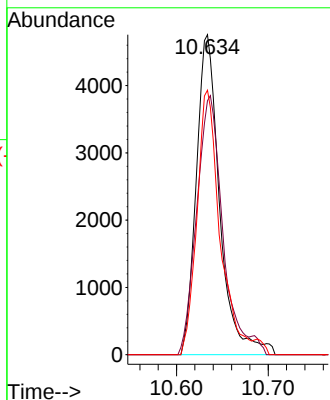
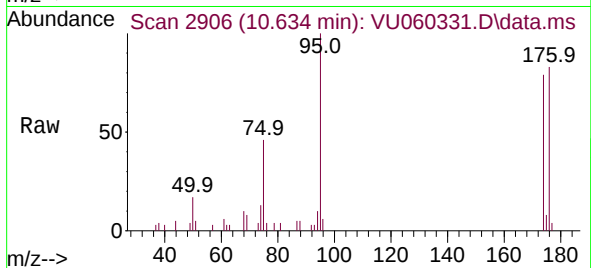
Tgt Ion: 95 Resp: 8431

Ion Ratio Lower Upper

95 100

174 90.9 65.6 98.4

176 81.3 60.4 90.6



#63

Ethyl Benzene

Concen: 0.519 ug/l

RT: 9.569 min Scan# 2575

Delta R.T. 0.003 min

Lab File: VU060331.D

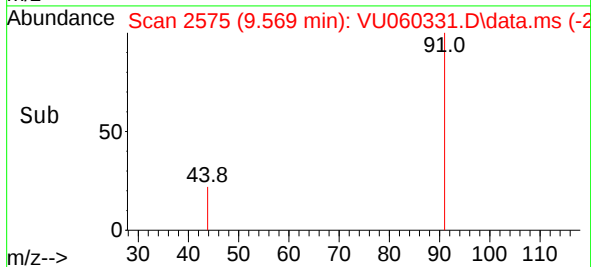
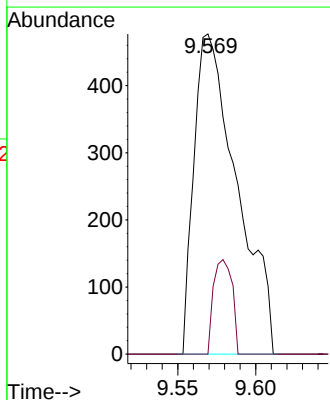
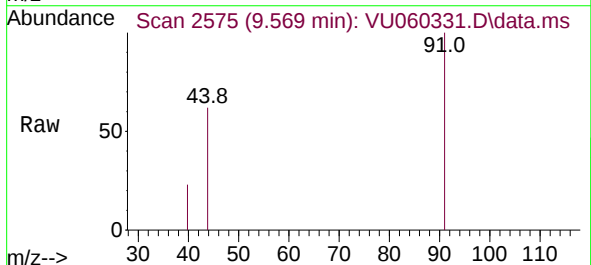
Acq: 07 Aug 2024 11:05

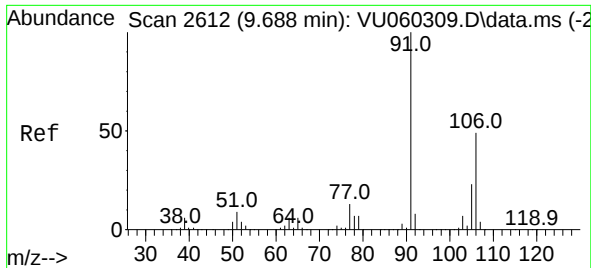
Tgt Ion: 91 Resp: 913

Ion Ratio Lower Upper

91 100

106 0.0 24.4 36.6

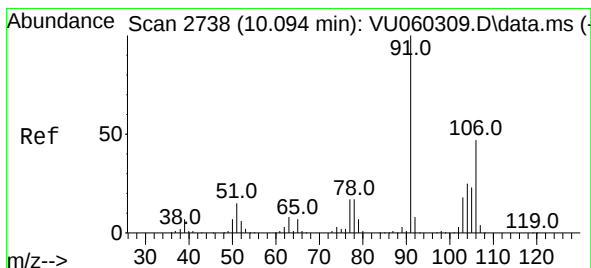
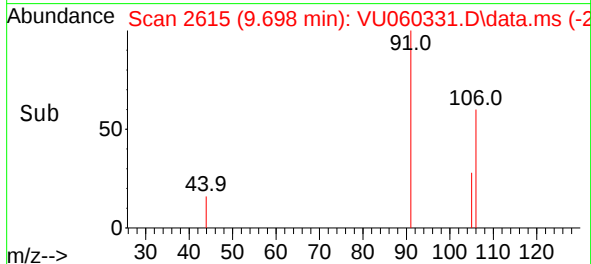
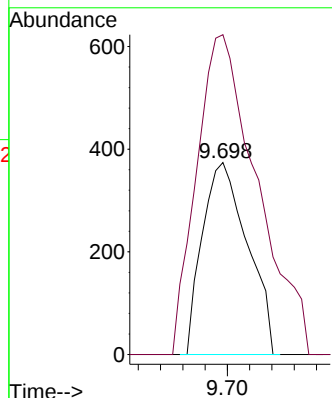
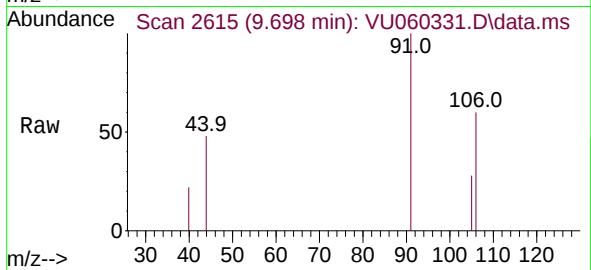




#64
m/p-Xylenes
Concen: 0.927 ug/l
RT: 9.698 min Scan# 20
Delta R.T. 0.010 min
Lab File: VU060331.D
Acq: 07 Aug 2024 11:05

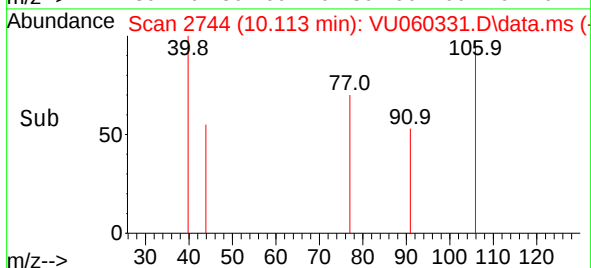
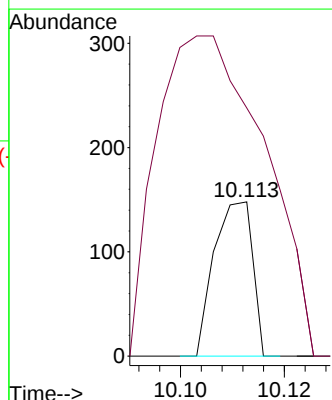
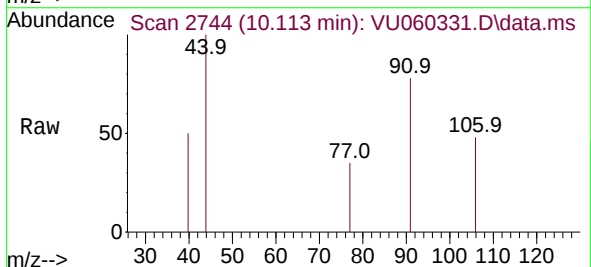
Instrument :
MSVOA_U
ClientSampleId :

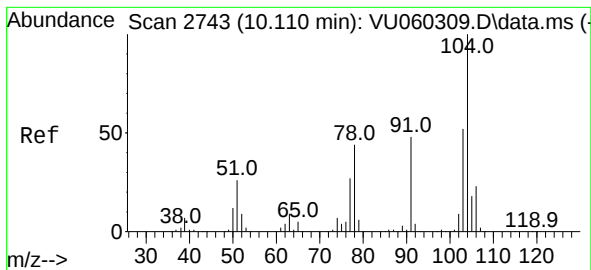
Tgt Ion:106 Resp: 526
Ion Ratio Lower Upper
106 100
91 223.6 165.0 247.4



#65
o-Xylene
Concen: 0.447 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.019 min
Lab File: VU060331.D
Acq: 07 Aug 2024 11:05

Tgt Ion:106 Resp: 76
Ion Ratio Lower Upper
106 100
91 581.6 108.8 326.4#





#66

Styrene

Concen: 0.486 ug/l

RT: 10.129 min Scan# 21

Delta R.T. 0.019 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

ClientSampleId :

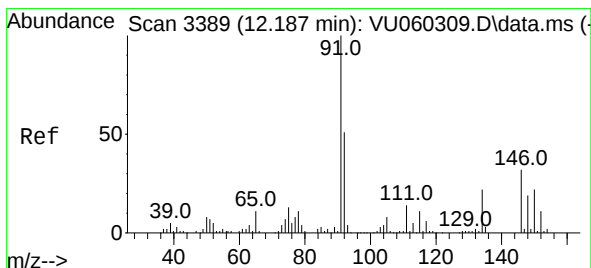
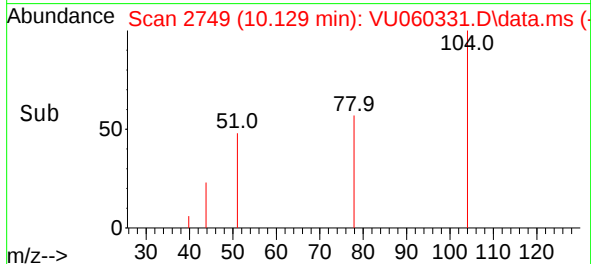
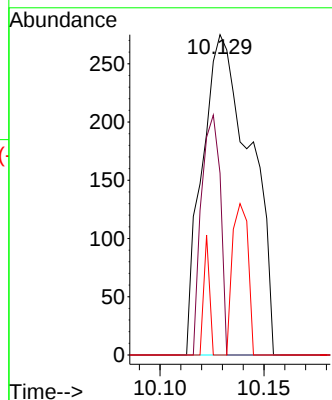
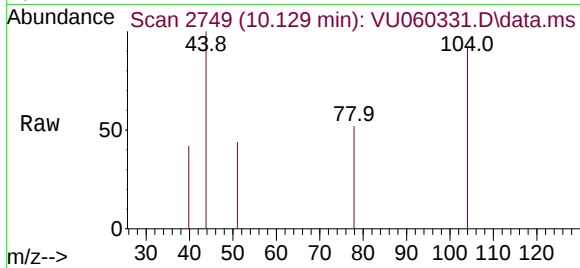
Tgt Ion:104 Resp: 442

Ion Ratio Lower Upper

104 100

78 29.4 39.0 58.6#

103 4.5 45.0 67.6#



#68

1,2-Dichlorobenzene-d4

Concen: 0.838 ug/l

RT: 12.190 min Scan# 3390

Delta R.T. 0.003 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

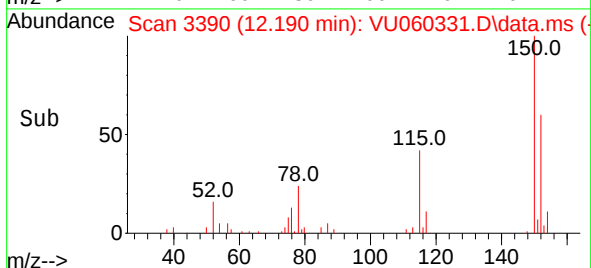
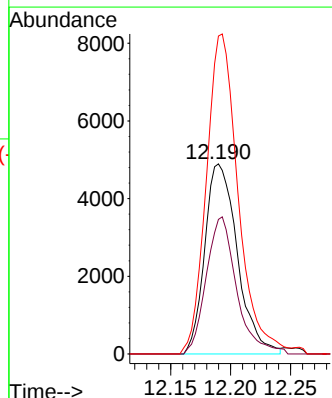
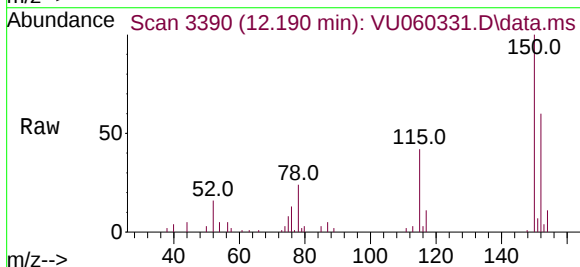
Tgt Ion:152 Resp: 9265

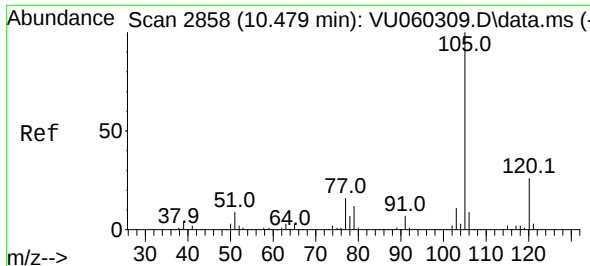
Ion Ratio Lower Upper

152 100

115 67.0 0.0 325.2

150 164.1 0.0 684.2





#69

Isopropylbenzene

Concen: 0.487 ug/l

RT: 10.483 min Scan# 21

Delta R.T. 0.004 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

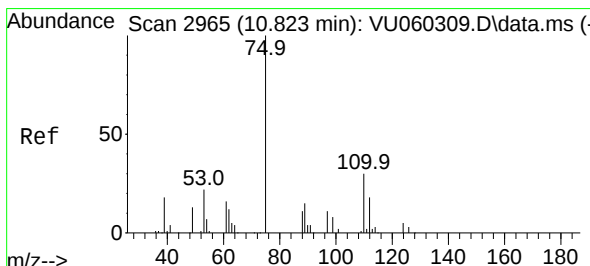
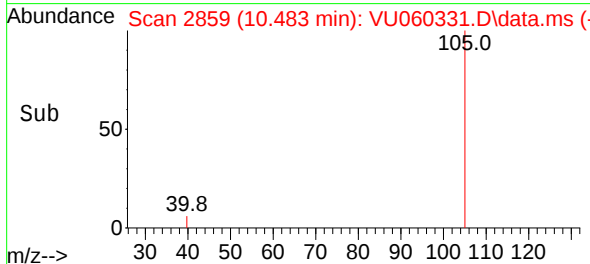
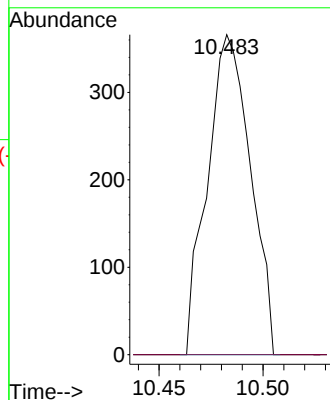
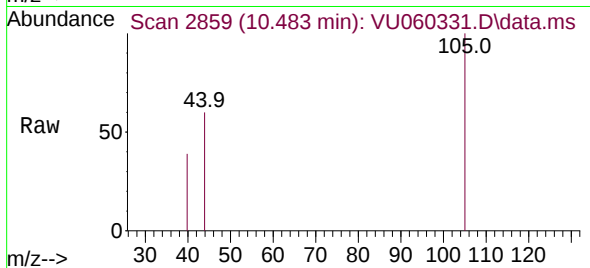
ClientSampleId :

Tgt Ion:105 Resp: 528

Ion Ratio Lower Upper

105 100

120 0.0 13.0 39.0#



#71

1,2,3-Trichloropropane

Concen: 0.561 ug/l

RT: 10.634 min Scan# 2906

Delta R.T. -0.190 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Tgt Ion: 75 Resp: 4103

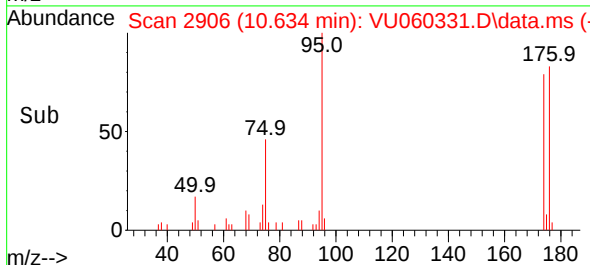
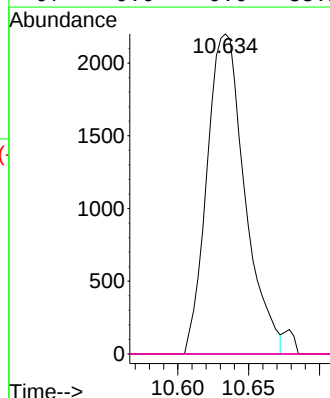
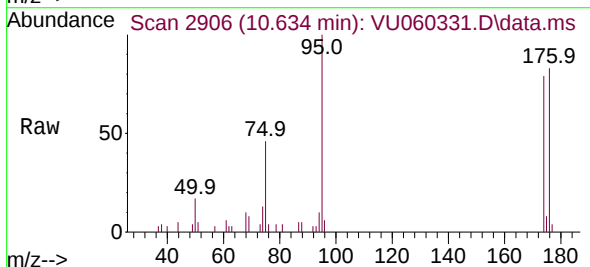
Ion Ratio Lower Upper

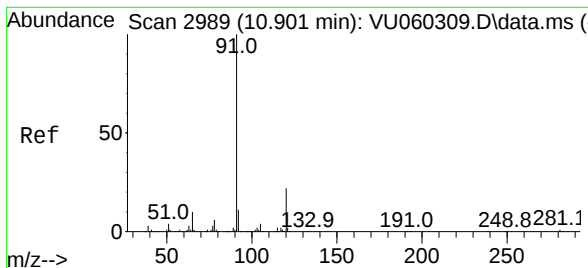
75 100

77 5.8 0.0 102.2

110 0.0 0.0 67.4

97 0.0 0.0 38.2





#73

n-propylbenzene

Concen: 0.501 ug/l

RT: 10.910 min Scan# 2989

Delta R.T. 0.009 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

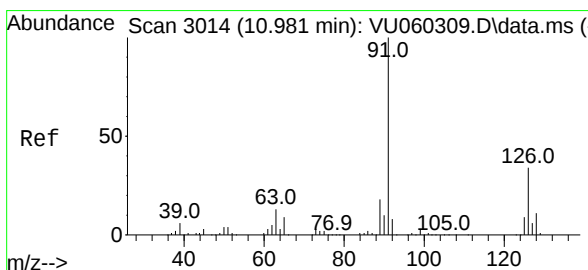
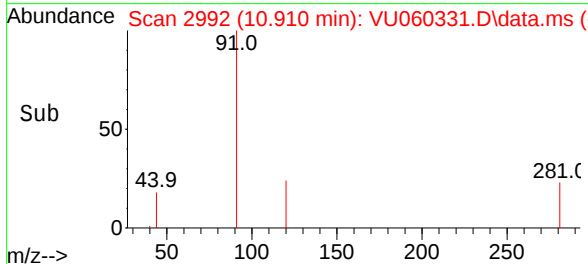
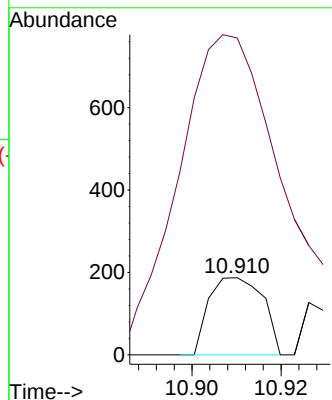
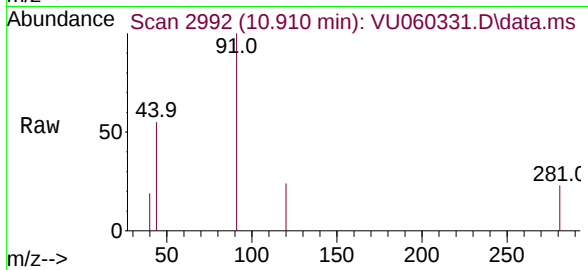
ClientSampleId :

Tgt Ion:120 Resp: 157

Ion Ratio Lower Upper

120 100

91 845.2 362.2 543.2#



#74

2-Chlorotoluene

Concen: 0.317 ug/l

RT: 10.981 min Scan# 3014

Delta R.T. -0.000 min

Lab File: VU060331.D

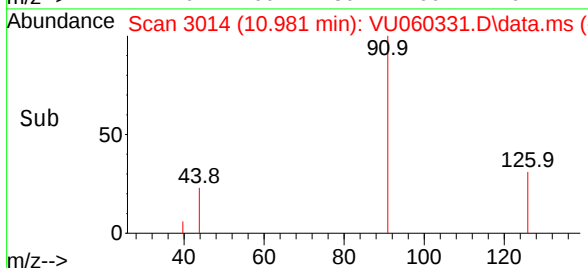
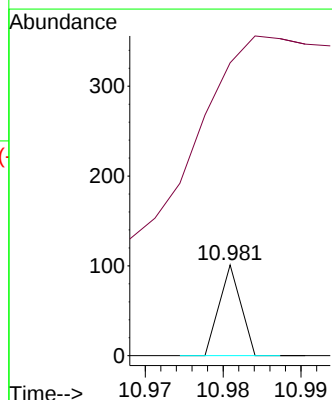
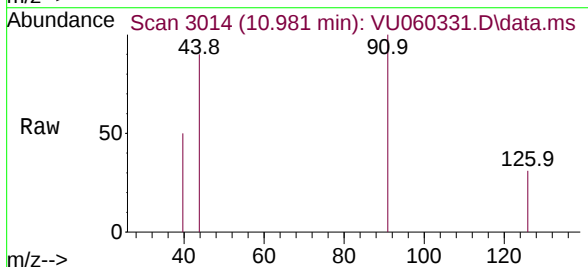
Acq: 07 Aug 2024 11:05

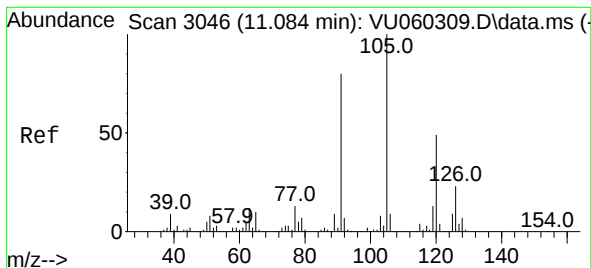
Tgt Ion:126 Resp: 19

Ion Ratio Lower Upper

126 100

91 4168.4 0.0 585.6#





#75

1,3,5-Trimethylbenzene

Concen: 0.469 ug/l

RT: 11.093 min Scan# 3049

Delta R.T. 0.009 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

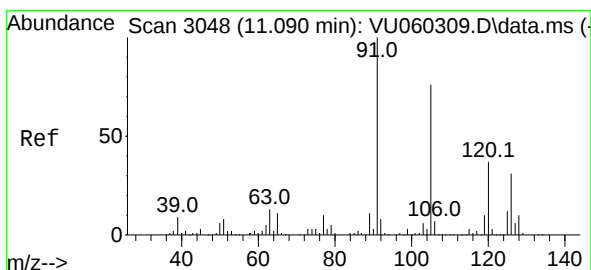
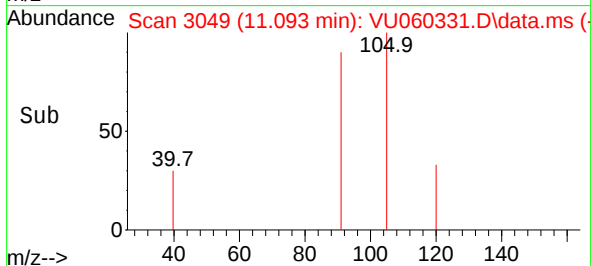
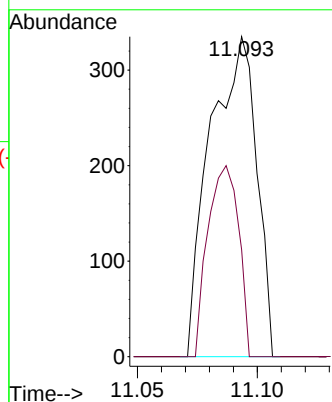
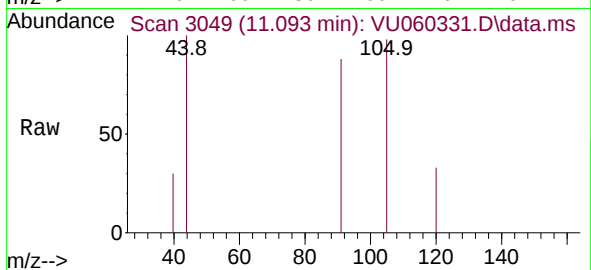
ClientSampleId :

Tgt Ion:105 Resp: 449

Ion Ratio Lower Upper

105 100

120 39.6 38.6 57.8



#76

4-Chlorotoluene

Concen: 0.353 ug/l

RT: 11.106 min Scan# 3053

Delta R.T. 0.016 min

Lab File: VU060331.D

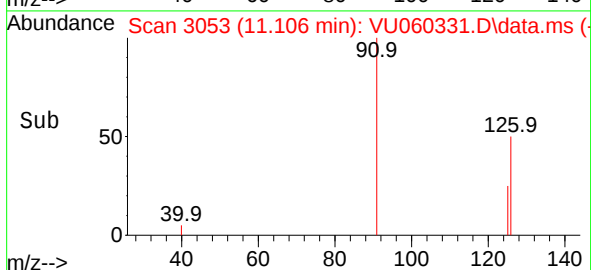
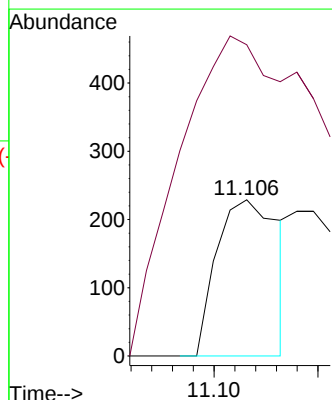
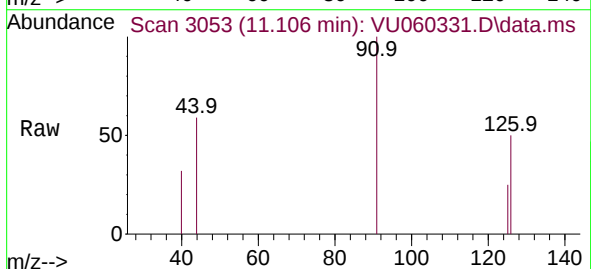
Acq: 07 Aug 2024 11:05

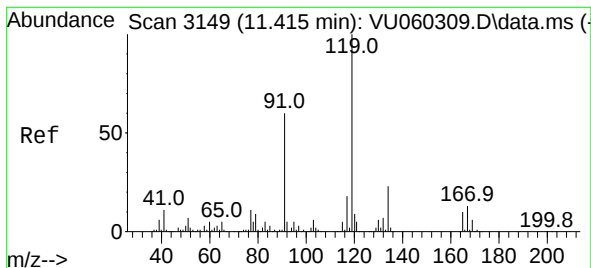
Tgt Ion:126 Resp: 190

Ion Ratio Lower Upper

126 100

91 607.9 0.0 669.4





#77

tert-Butylbenzene

Concen: 0.454 ug/l

RT: 11.418 min Scan# 3149

Delta R.T. 0.003 min

Lab File: VU060331.D

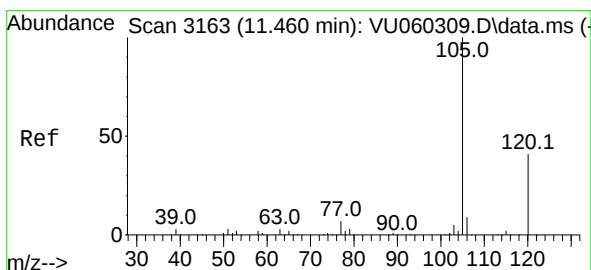
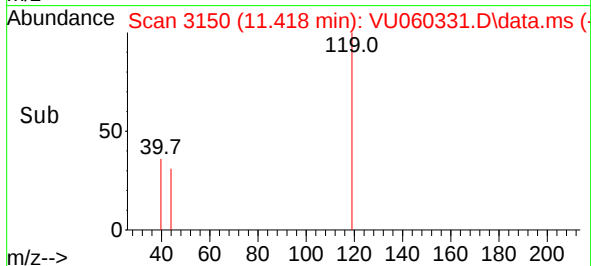
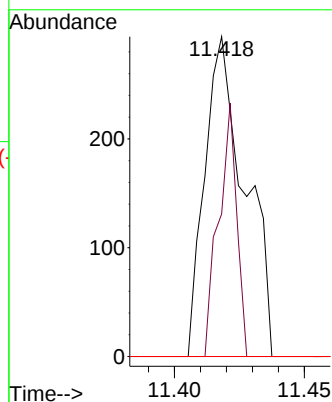
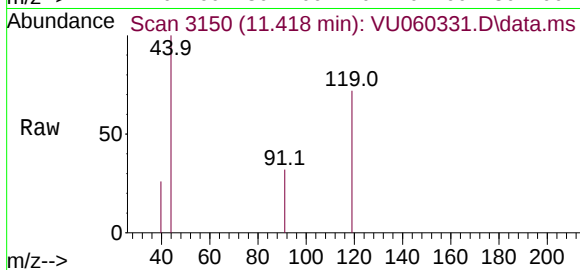
Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:119	Resp:	316
Ion Ratio	Lower	Upper
119	100	
91	35.4	29.0 87.1
134	0.0	17.8 26.8#



#78

1,2,4-Trimethylbenzene

Concen: 0.514 ug/l

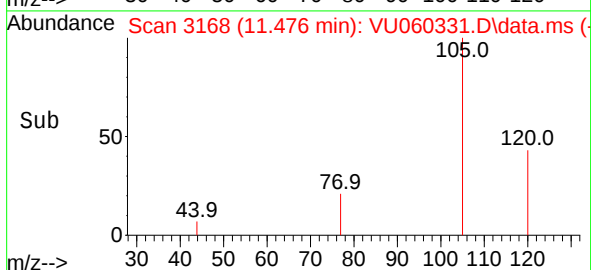
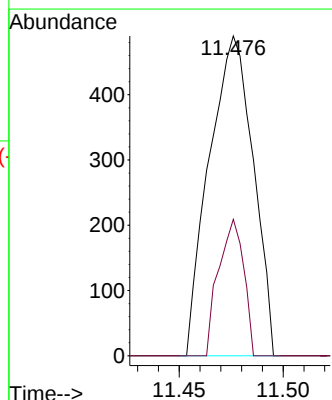
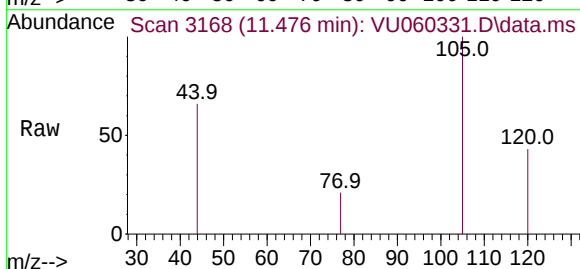
RT: 11.476 min Scan# 3168

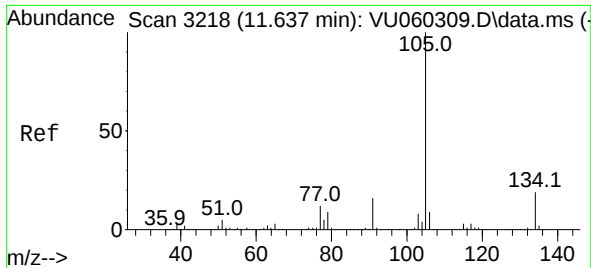
Delta R.T. 0.016 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Tgt Ion:105	Resp:	721
Ion Ratio	Lower	Upper
105	100	
120	24.3	22.6 67.7





#79

sec-Butylbenzene

Concen: 0.470 ug/l

RT: 11.640 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

Instrument :

MSVOA_U

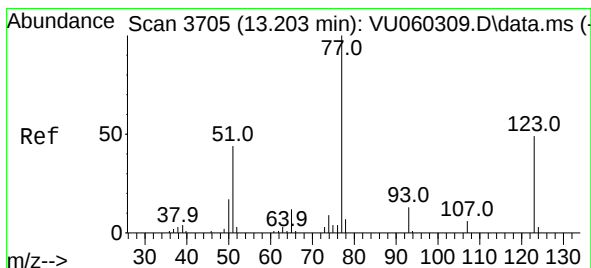
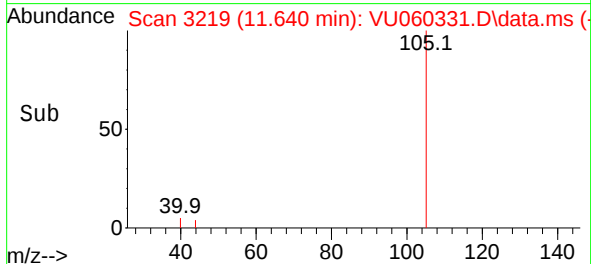
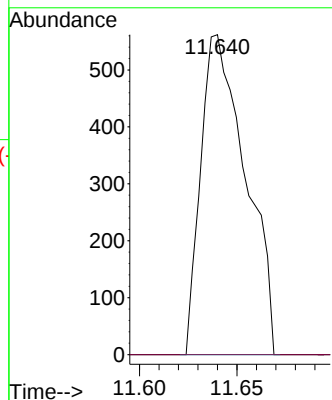
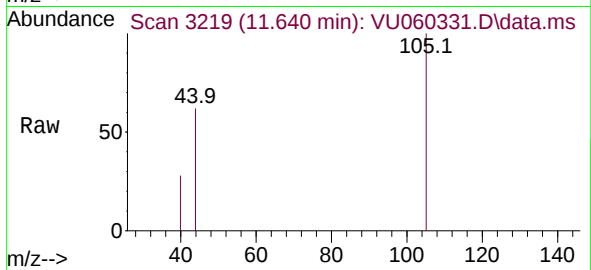
ClientSampleId :

Tgt Ion:105 Resp: 898

Ion Ratio Lower Upper

105 100

134 22.0 15.5 23.3



#80

Nitrobenzene

Concen: 0.358 ug/l

RT: 13.244 min Scan# 3718

Delta R.T. 0.041 min

Lab File: VU060331.D

Acq: 07 Aug 2024 11:05

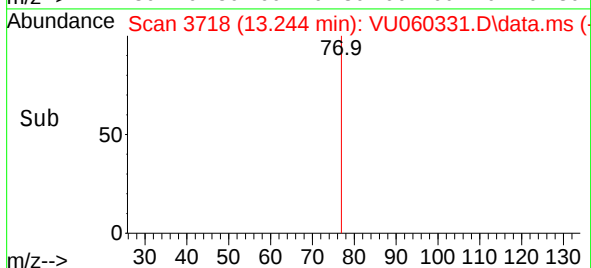
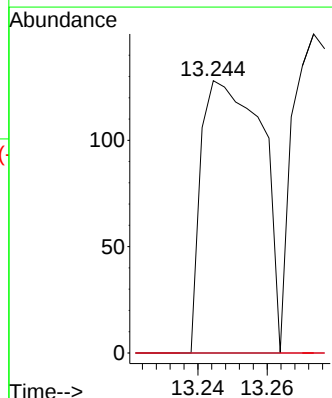
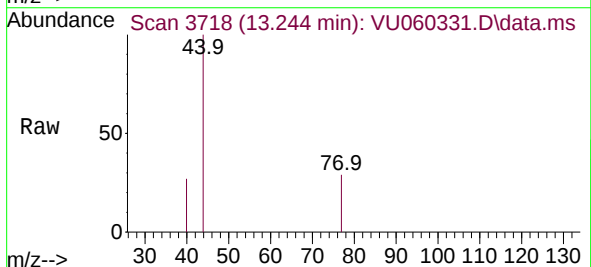
Tgt Ion: 77 Resp: 155

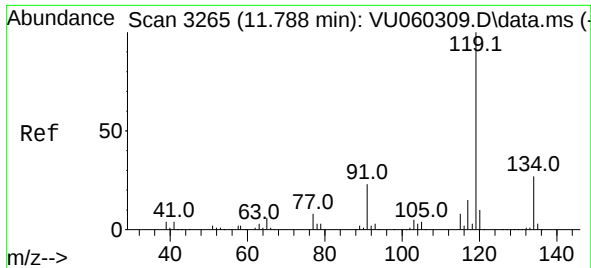
Ion Ratio Lower Upper

77 100

123 0.0 19.6 69.6#

65 0.0 9.0 11.4#

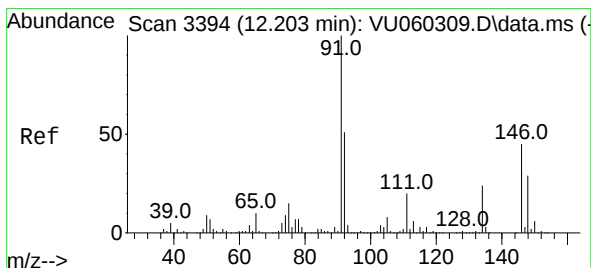
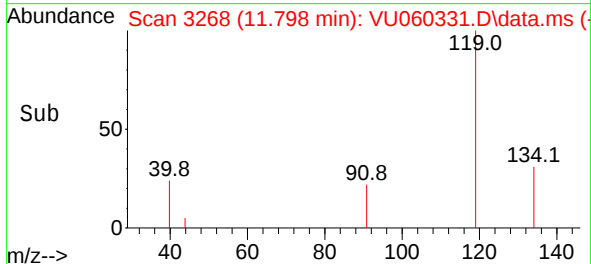
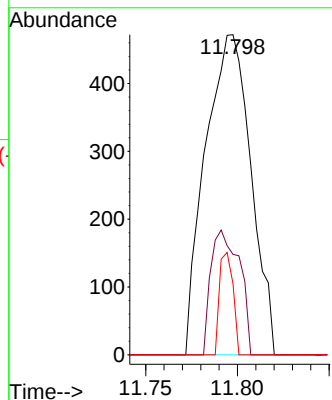
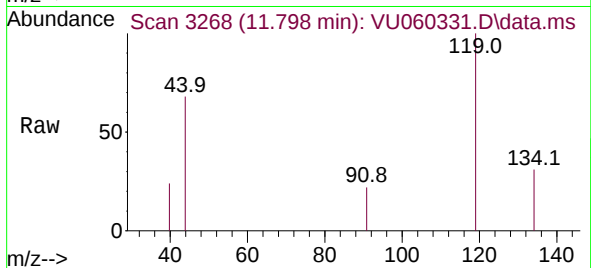




#81
 p-Isopropyltoluene
 Concen: 0.539 ug/l
 RT: 11.798 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VU060331.D
 Acq: 07 Aug 2024 11:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:119 Resp: 813
 Ion Ratio Lower Upper
 119 100
 134 24.4 21.2 31.8
 91 9.5 18.9 28.3#



#84
 n-Butylbenzene
 Concen: 0.547 ug/l
 RT: 12.212 min Scan# 3397
 Delta R.T. 0.009 min
 Lab File: VU060331.D
 Acq: 07 Aug 2024 11:05

Tgt Ion: 91 Resp: 1507
 Ion Ratio Lower Upper
 91 100
 92 45.7 41.0 61.6
 134 12.2 19.4 29.2#

