

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
 Data File : VU050722.D
 Acq On : 16 Sep 2022 13:07
 Operator : JC/MD
 Sample : VU0916WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 01:05:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Aug 25 14:01:59 2022
 Response via : Initial Calibration

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

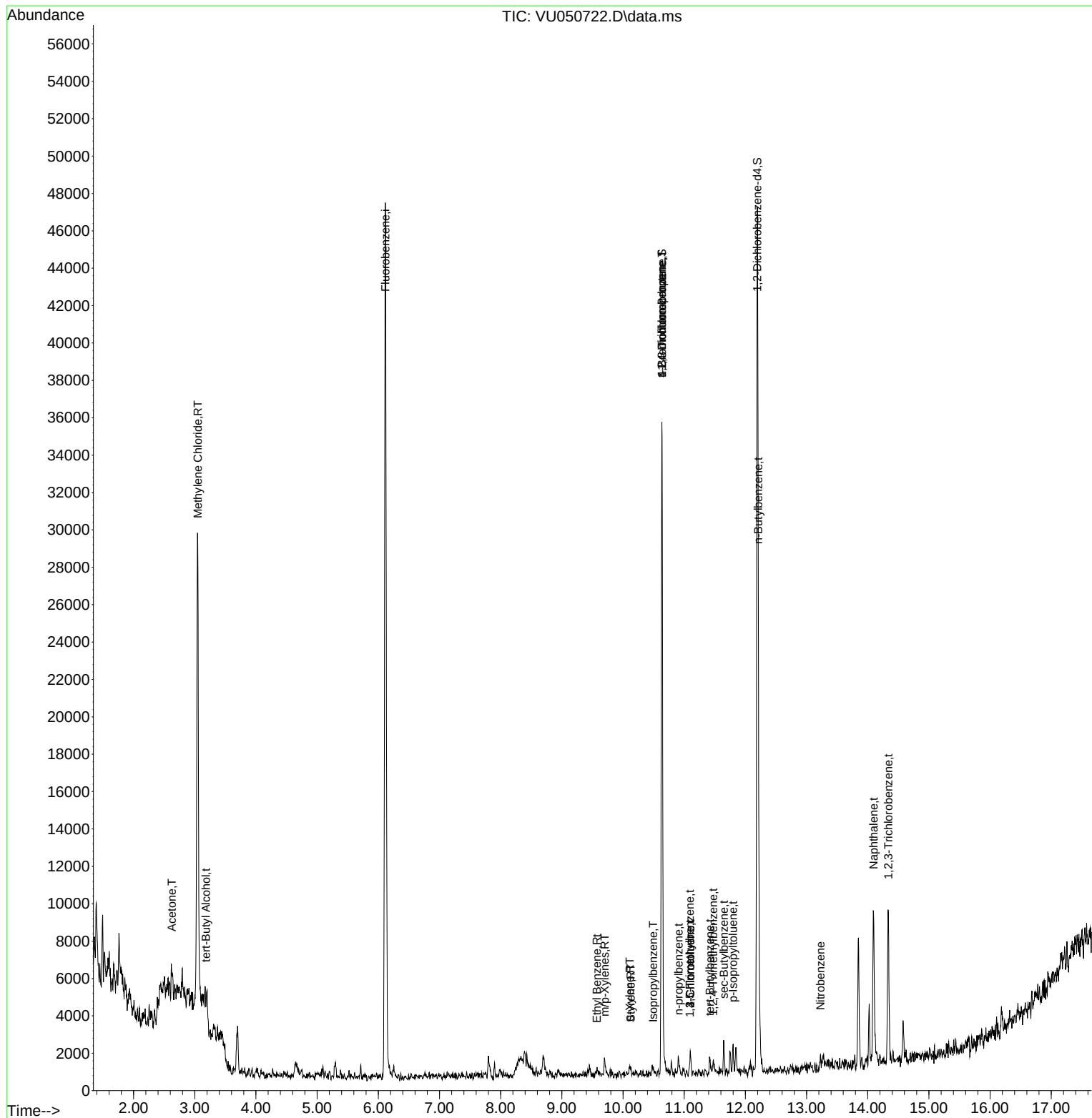
Internal Standards						
1) Fluorobenzene	6.115	96	43768	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	11975	0.804	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13845	0.786	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
Target Compounds						
					Qvalue	
13) Acetone	2.626	43	1277	0.472	ug/l #	87
15) Methylene Chloride	3.051	84	11441	0.656	ug/l	90
24) tert-Butyl Alcohol	3.182	59	399	0.285	ug/l #	73
46) t-1,4-Dichloro-2-butene	10.636	75	5953	1.761	ug/l #	22
63) Ethyl Benzene	9.575	91	473	0.577	ug/l #	44
64) m/p-Xylenes	9.703	106	277	1.095	ug/l #	64
65) o-Xylene	10.111	106	117	0.516	ug/l #	29
66) Styrene	10.128	104	278	0.607	ug/l #	29
69) Isopropylbenzene	10.494	105	666	0.580	ug/l #	64
71) 1,2,3-Trichloropropane	10.636	75	5932	0.499	ug/l #	37
73) n-propylbenzene	10.909	120	150	0.600	ug/l #	10
74) 2-Chlorotoluene	11.102	126	100	0.396	ug/l #	1
75) 1,3,5-Trimethylbenzene	11.092	105	421	0.531	ug/l #	56
76) 4-Chlorotoluene	11.102	126	100	0.407	ug/l #	1
77) tert-Butylbenzene	11.420	119	511	0.503	ug/l #	71
78) 1,2,4-Trimethylbenzene	11.475	105	813	0.579	ug/l #	60
79) sec-Butylbenzene	11.648	105	1219	0.565	ug/l #	81
80) Nitrobenzene	13.227	77	415	0.484	ug/l #	65
81) p-Isopropyltoluene	11.796	119	1116	0.623	ug/l #	79
84) n-Butylbenzene	12.211	91	4277	0.662	ug/l	95
89) Naphthalene	14.095	128	8832	1.149	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.340	180	3163	0.642	ug/l	98

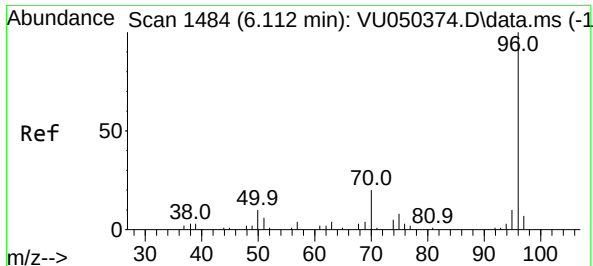
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA_U/WATER
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MSVOA_U
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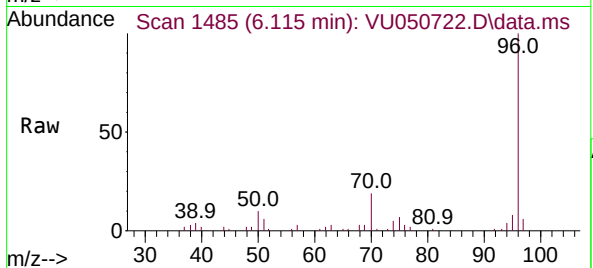
Quant Time: Sep 17 01:05:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
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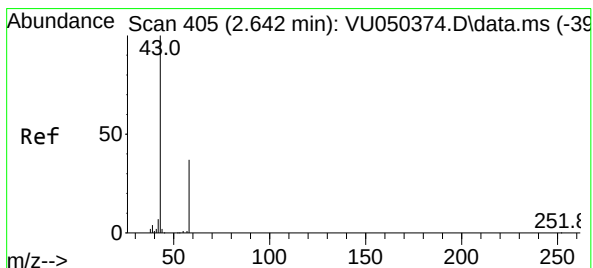
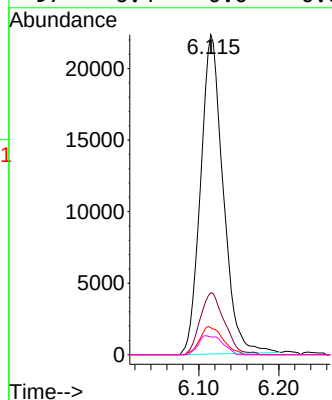
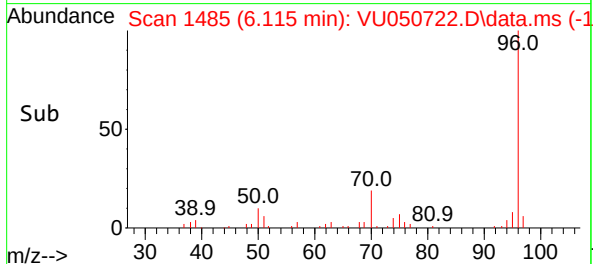


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.115 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Instrument :
MSVOA_U
ClientSampleId :

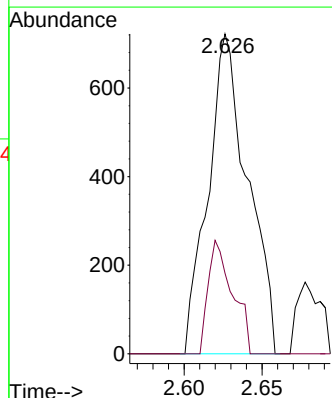
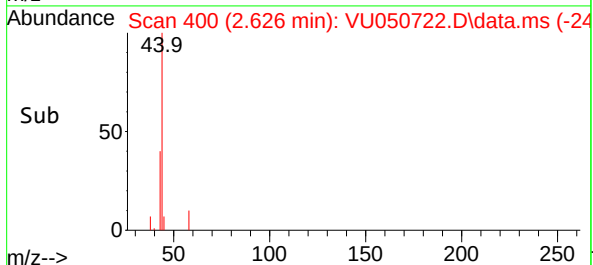
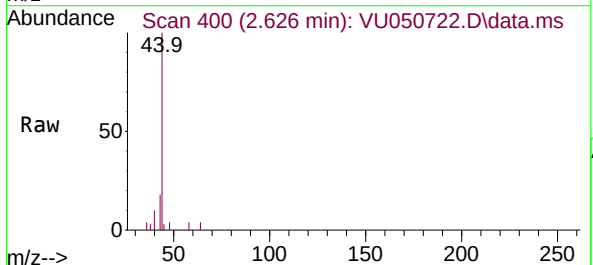


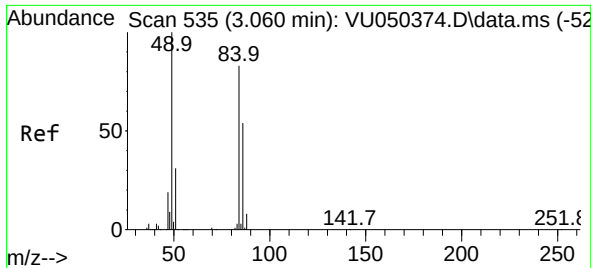
Tgt Ion: 96 Resp: 43768
Ion Ratio Lower Upper
96 100
70 20.9 16.7 25.1
95 9.1 7.4 11.0
97 6.4 0.0 0.0#



#13
Acetone
Concen: 0.472 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

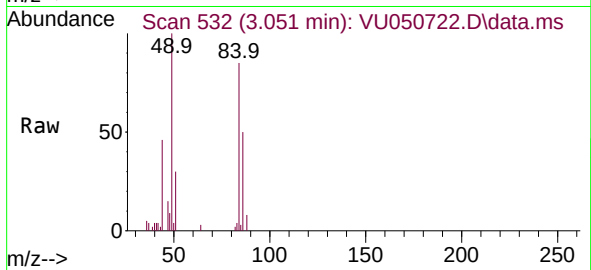
Tgt Ion: 43 Resp: 1277
Ion Ratio Lower Upper
43 100
58 25.2 26.2 39.2#



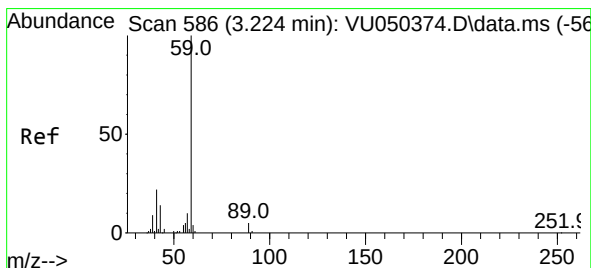
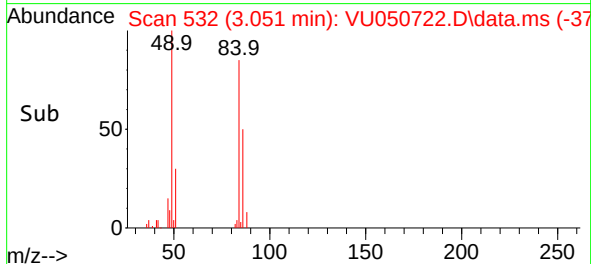
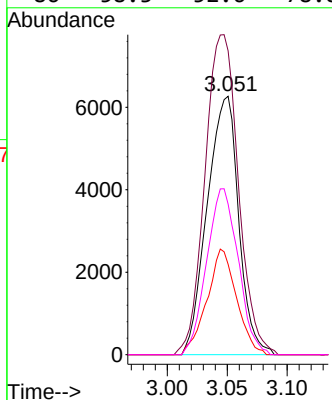


#15
Methylene Chloride
Concen: 0.656 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Instrument :
MSVOA_U
ClientSampleId :

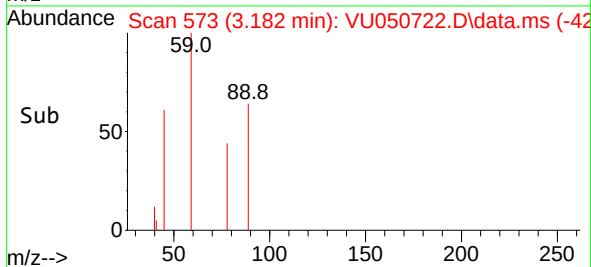
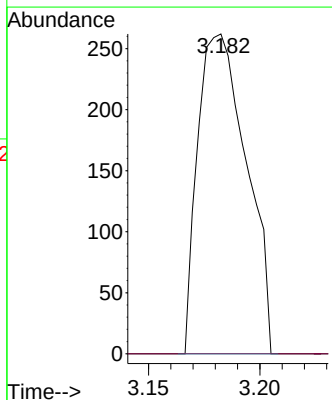
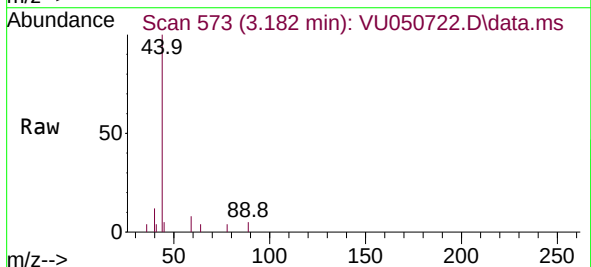


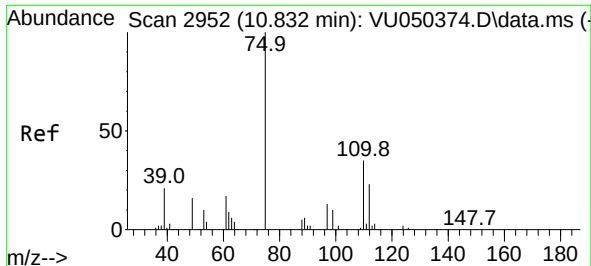
Tgt Ion: 84 Resp: 11441
Ion Ratio Lower Upper
84 100
49 117.6 104.6 157.0
51 35.0 0.0 81.4
86 58.3 52.6 78.8



#24
tert-Butyl Alcohol
Concen: 0.285 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.013 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

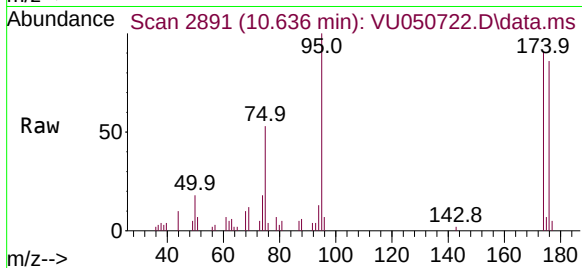
Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



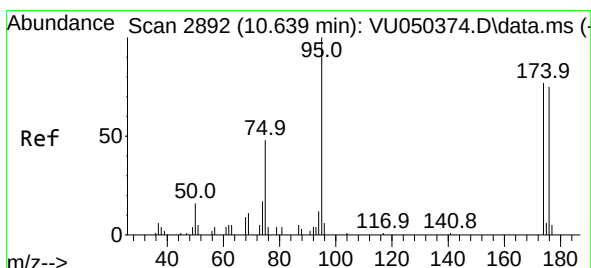
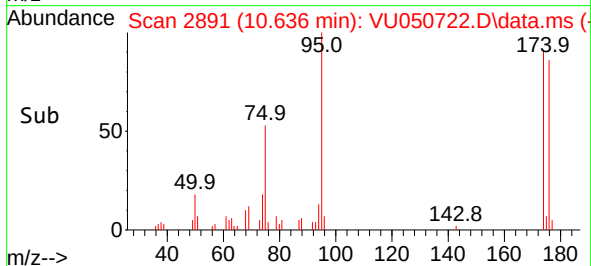
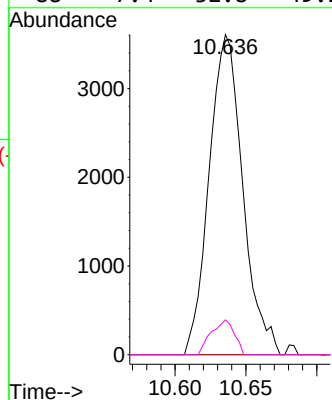


#46
t-1,4-Dichloro-2-butene
Concen: 1.761 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.196 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Instrument :
MSVOA_U
ClientSampleId :

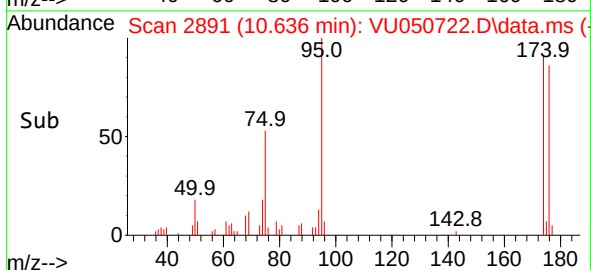
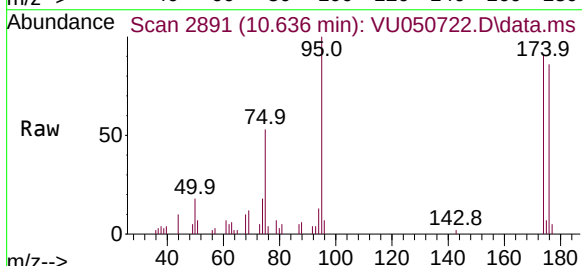
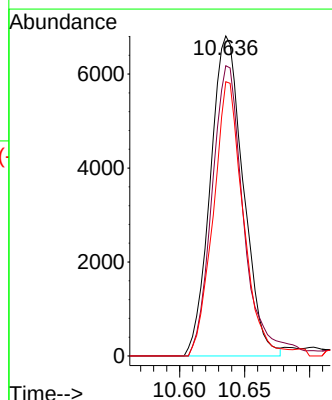


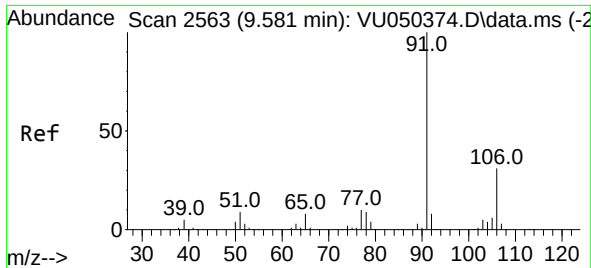
Tgt Ion: 75 Resp: 5953
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 44.2 66.2#
88 7.4 32.8 49.2#



#57
4-Bromofluorobenzene
Concen: 0.804 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Tgt Ion: 95 Resp: 11975
Ion Ratio Lower Upper
95 100
174 87.9 62.4 93.6
176 78.2 56.2 84.2

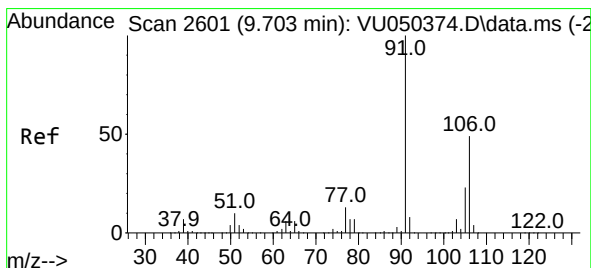
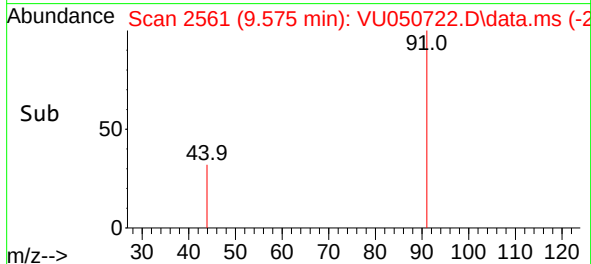
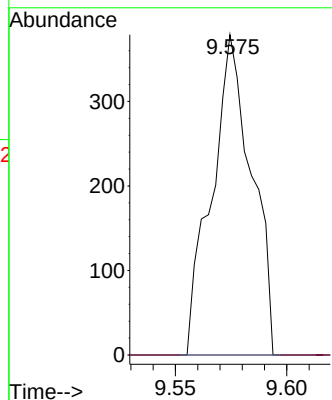
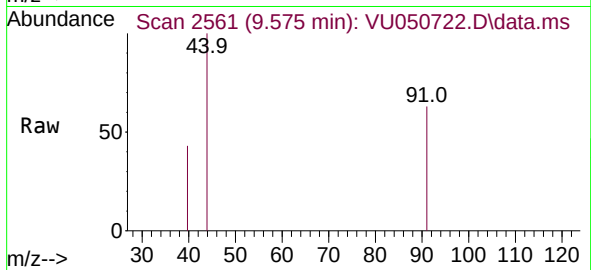




#63
Ethyl Benzene
Concen: 0.577 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.003 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

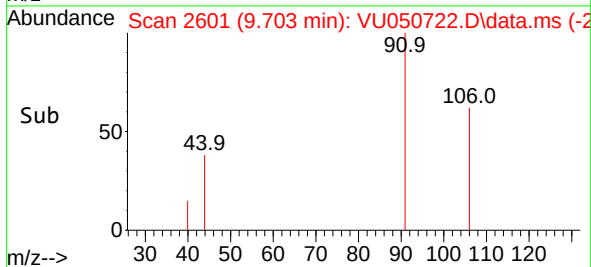
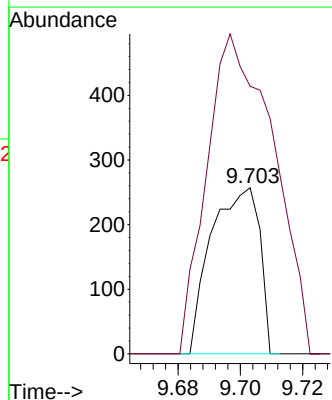
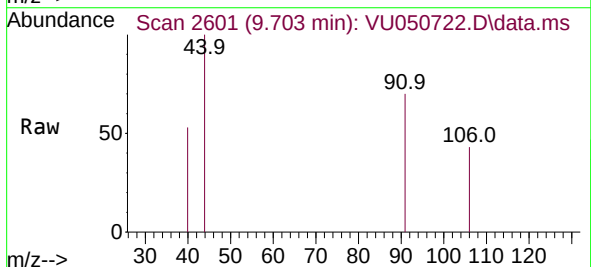
Instrument :
MSVOA_U
ClientSampleId :

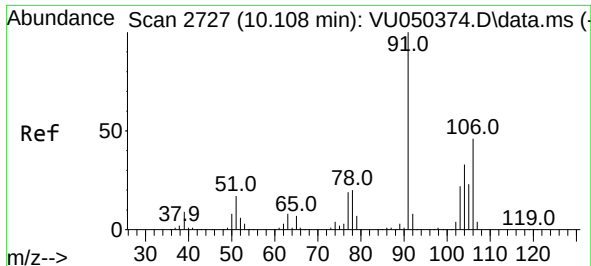
Tgt Ion: 91 Resp: 473
Ion Ratio Lower Upper
91 100
106 0.0 24.4 36.6#



#64
m/p-Xylenes
Concen: 1.095 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.010 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Tgt Ion: 106 Resp: 277
Ion Ratio Lower Upper
106 100
91 265.3 167.8 251.6#

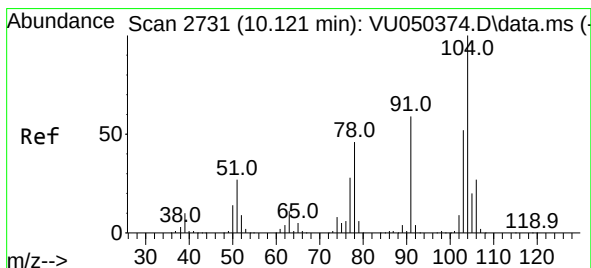
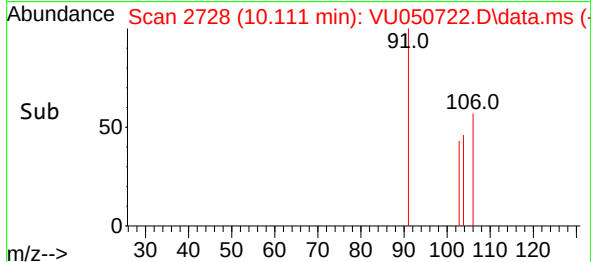
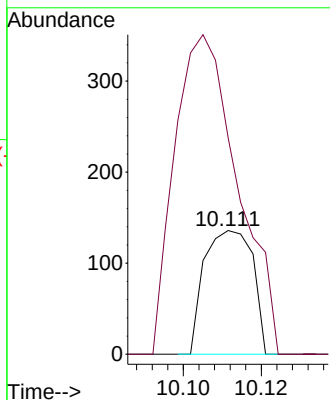
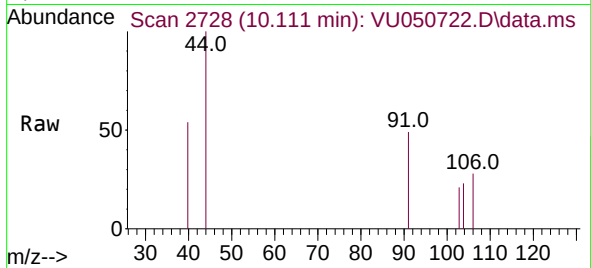




#65
o-Xylene
Concen: 0.516 ug/l
RT: 10.111 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

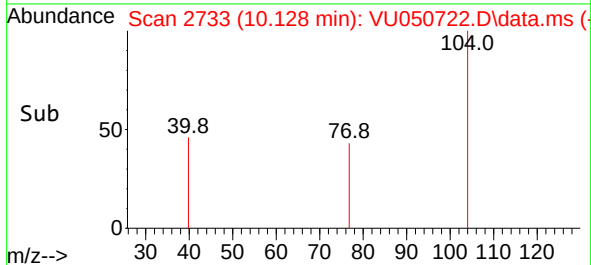
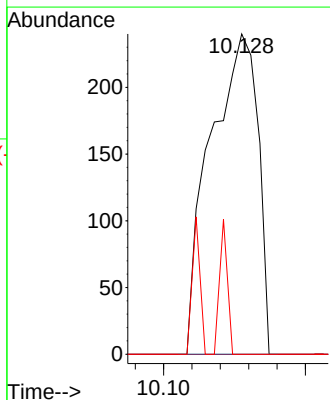
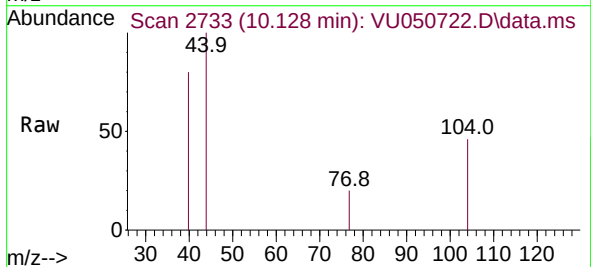
Instrument :
MSVOA_U
ClientSampleId :

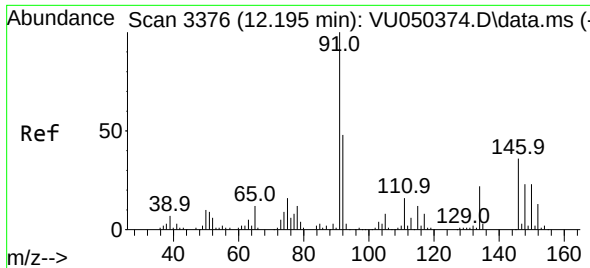
Tgt Ion:106 Resp: 117
Ion Ratio Lower Upper
106 100
91 337.6 111.1 333.2#



#66
Styrene
Concen: 0.607 ug/l
RT: 10.128 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

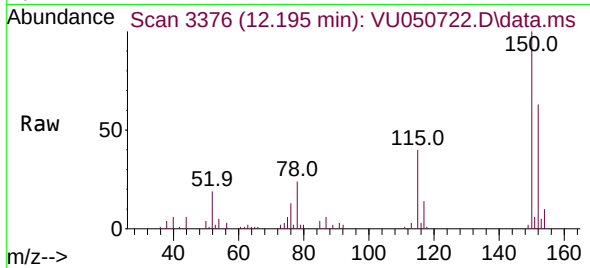
Tgt Ion:104 Resp: 278
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 6.8 44.5 66.7#



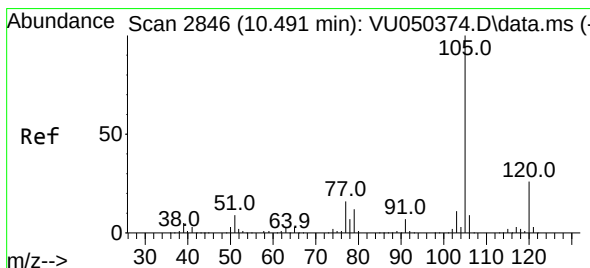
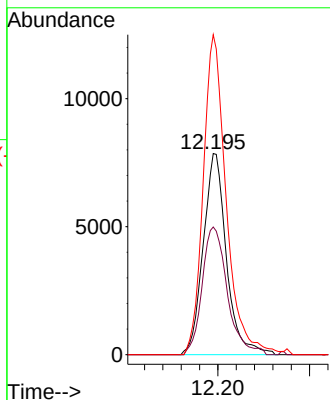
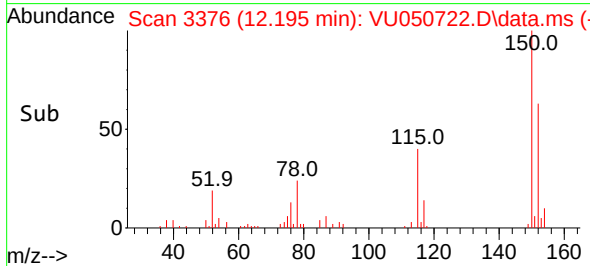


#68
 1,2-Dichlorobenzene-d4
 Concen: 0.786 ug/l
 RT: 12.195 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU050722.D
 Acq: 16 Sep 2022 13:07

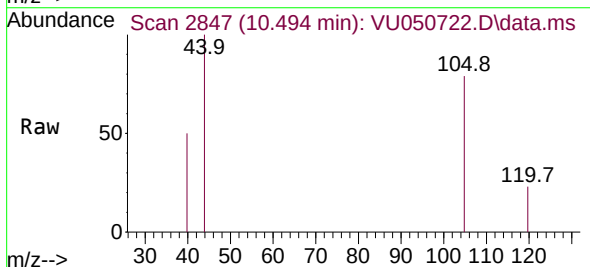
Instrument :
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 ClientSampleId :



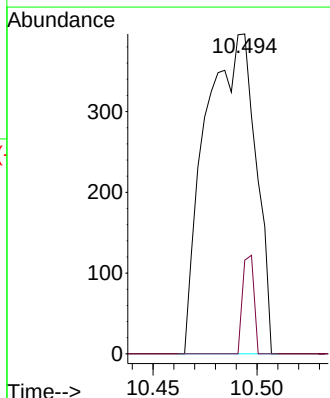
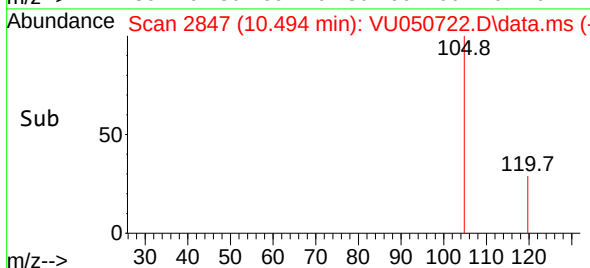
Tgt Ion:152 Resp: 13845
 Ion Ratio Lower Upper
 152 100
 115 68.7 0.0 254.6
 150 157.1 0.0 623.6

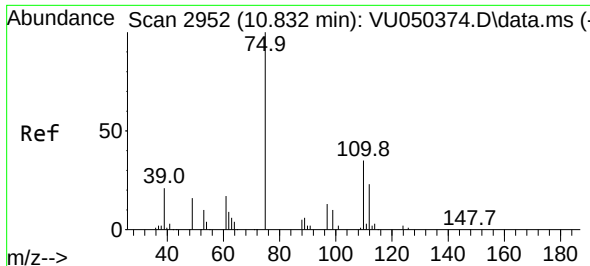


#69
 Isopropylbenzene
 Concen: 0.580 ug/l
 RT: 10.494 min Scan# 2847
 Delta R.T. 0.010 min
 Lab File: VU050722.D
 Acq: 16 Sep 2022 13:07



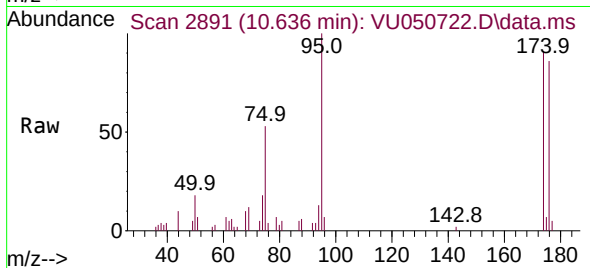
Tgt Ion:105 Resp: 666
 Ion Ratio Lower Upper
 105 100
 120 6.9 12.6 37.8#



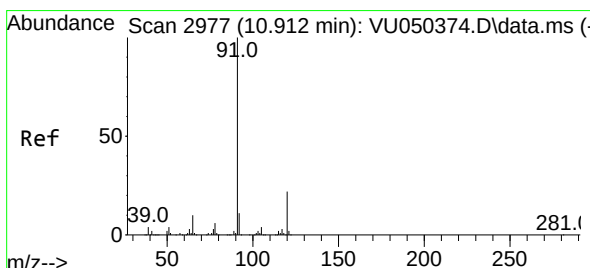
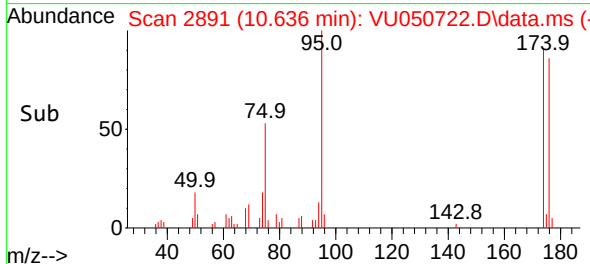
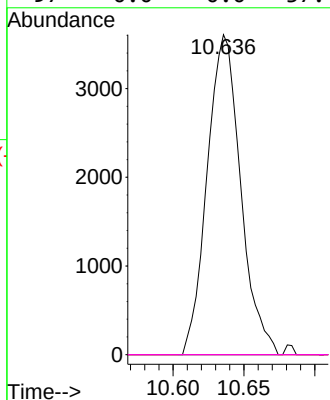


#71
1,2,3-Trichloropropane
Concen: 0.499 ug/l
RT: 10.636 min Scan# 2952
Delta R.T. -0.190 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Instrument :
MSVOA_U
ClientSampleId :

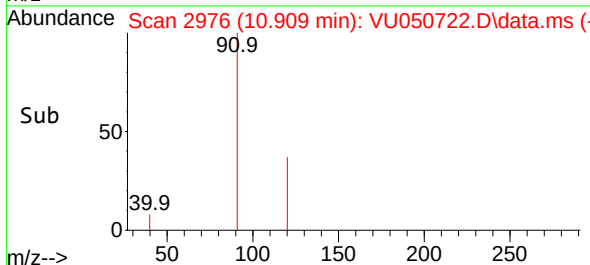
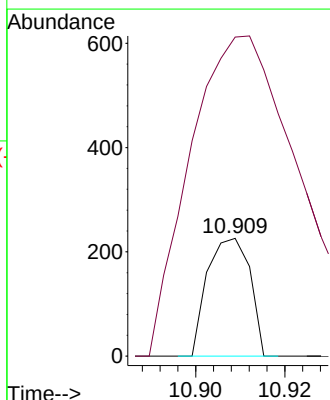
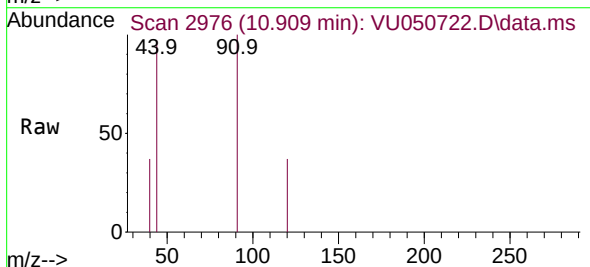


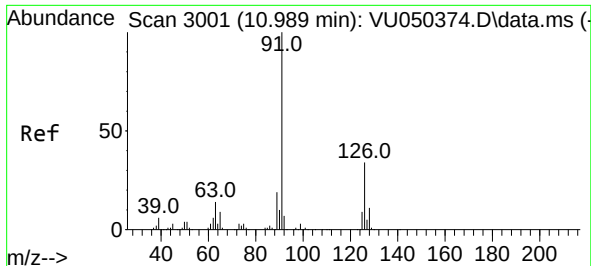
Tgt Ion	Ratio	Lower	Upper
75	100		
77	4.0	0.0	112.4
110	0.0	0.0	70.6
97	0.0	0.0	37.4



#73
n-propylbenzene
Concen: 0.600 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. 0.003 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Tgt Ion	Ratio	Lower	Upper
120	100		
91	694.0	367.8	551.6#

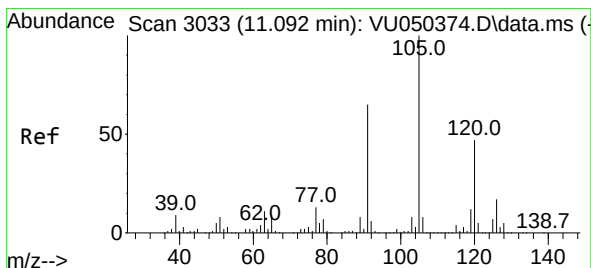
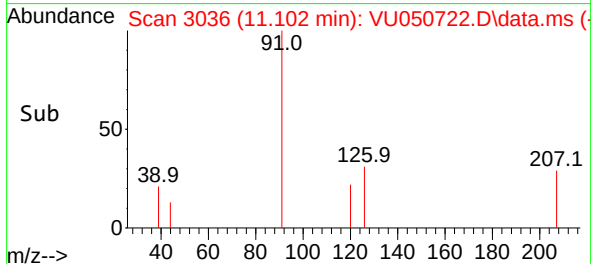
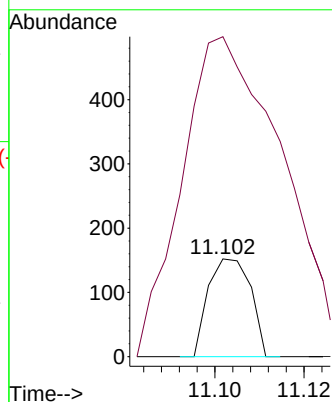
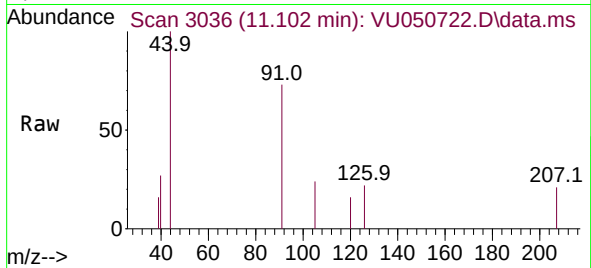




#74
2-Chlorotoluene
Concen: 0.396 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.116 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

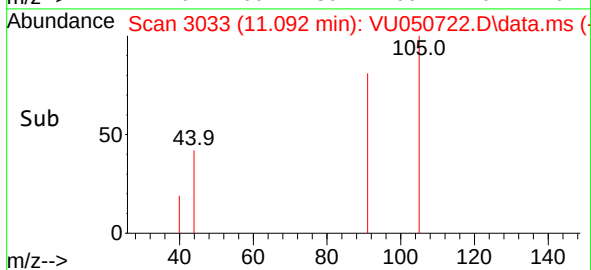
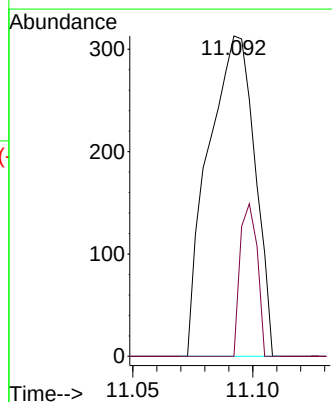
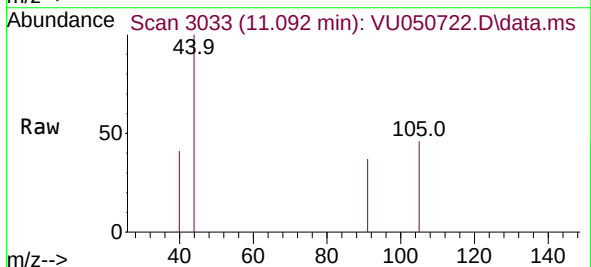
Instrument :
MSVOA_U
ClientSampleId :

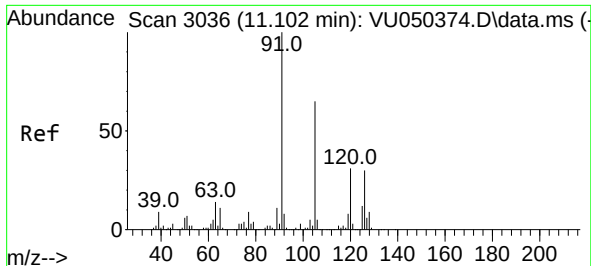
Tgt Ion:126 Resp: 100
Ion Ratio Lower Upper
126 100
91 775.0 0.0 620.6#



#75
1,3,5-Trimethylbenzene
Concen: 0.531 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Tgt Ion:105 Resp: 421
Ion Ratio Lower Upper
105 100
120 17.6 37.6 56.4#

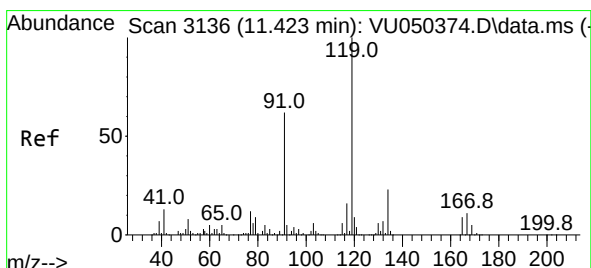
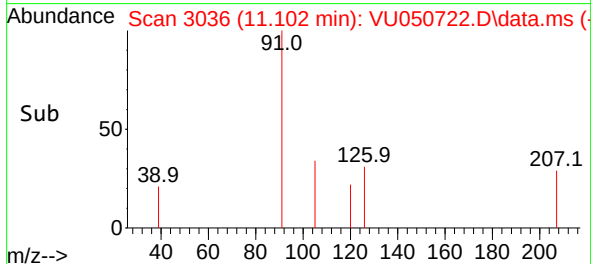
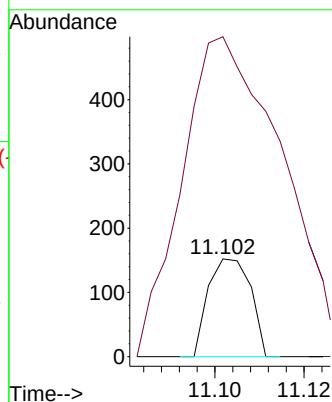
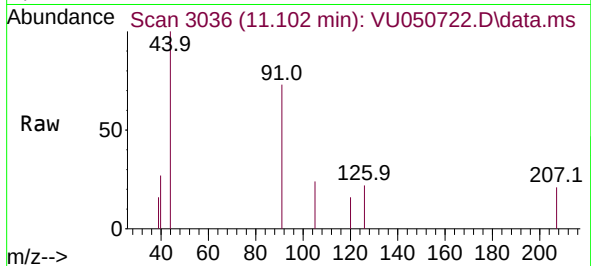




#76
4-Chlorotoluene
Concen: 0.407 ug/l
RT: 11.102 min Scan# 3036
Delta R.T. 0.003 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

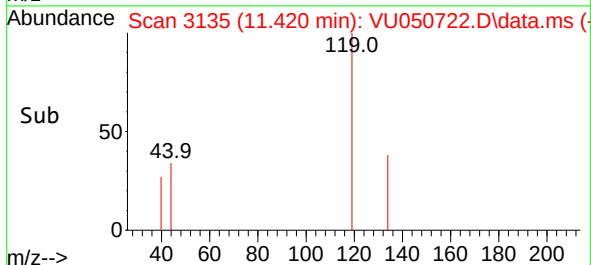
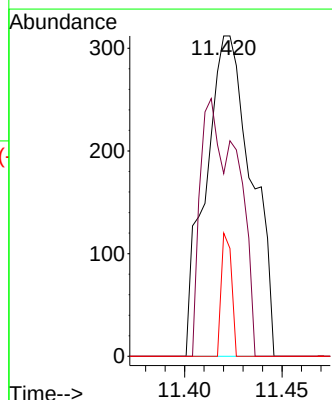
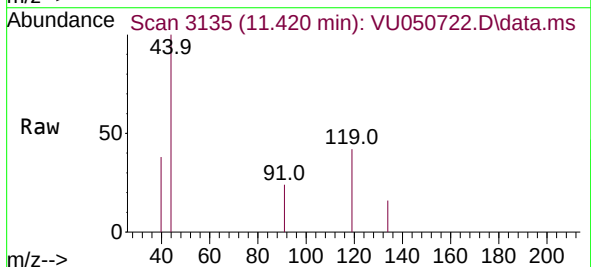
Instrument :
MSVOA_U
ClientSampleId :

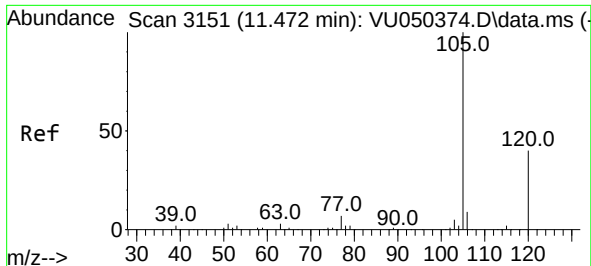
Tgt Ion:126 Resp: 100
Ion Ratio Lower Upper
126 100
91 775.0 0.0 738.8#



#77
tert-Butylbenzene
Concen: 0.503 ug/l
RT: 11.420 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Tgt Ion:119 Resp: 511
Ion Ratio Lower Upper
119 100
91 38.7 30.4 91.3
134 8.4 17.8 26.6#





#78

1,2,4-Trimethylbenzene

Concen: 0.579 ug/l

RT: 11.475 min Scan# 3151

Delta R.T. 0.007 min

Lab File: VU050722.D

Acq: 16 Sep 2022 13:07

Instrument :

MSVOA_U

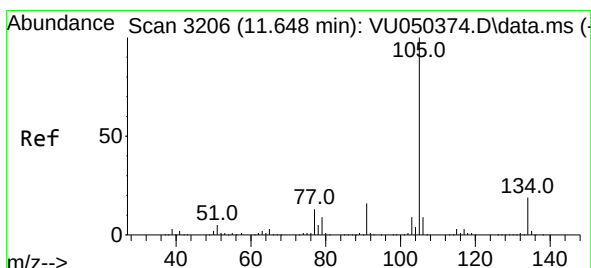
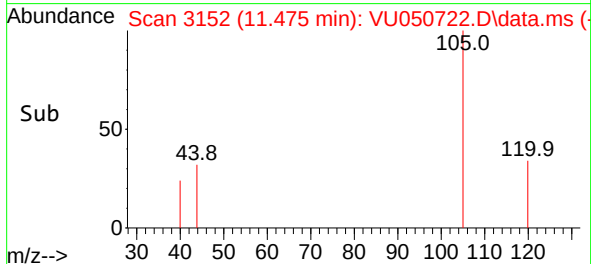
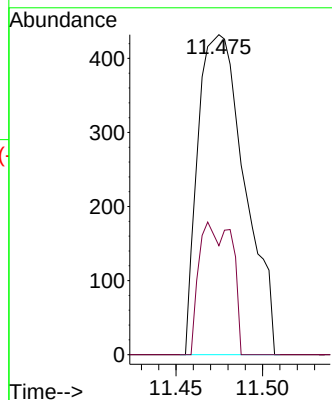
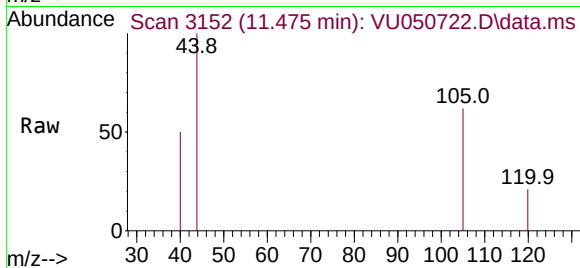
ClientSampleId :

Tgt Ion:105 Resp: 813

Ion Ratio Lower Upper

105 100

120 17.8 21.6 65.0#



#79

sec-Butylbenzene

Concen: 0.565 ug/l

RT: 11.648 min Scan# 3206

Delta R.T. 0.003 min

Lab File: VU050722.D

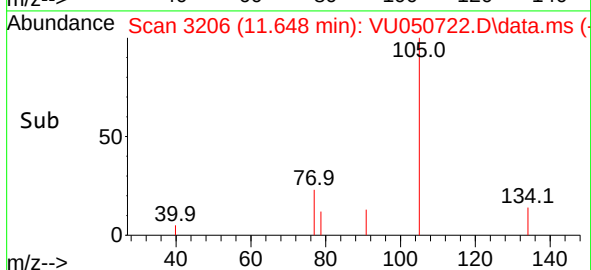
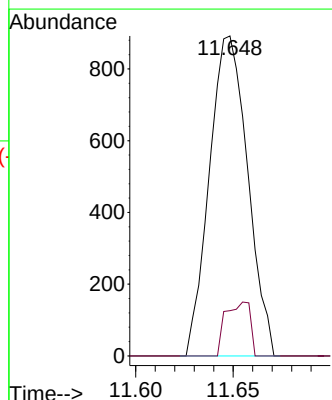
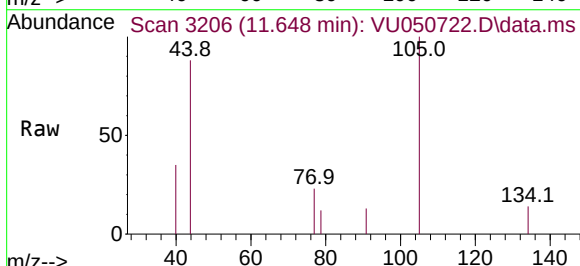
Acq: 16 Sep 2022 13:07

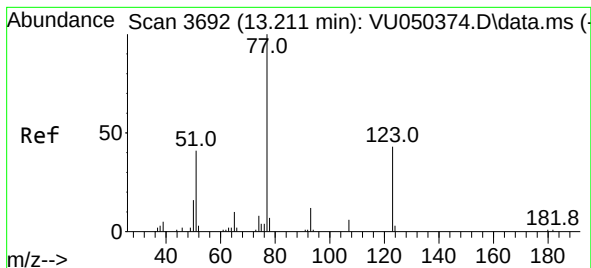
Tgt Ion:105 Resp: 1219

Ion Ratio Lower Upper

105 100

134 10.7 15.4 23.0#

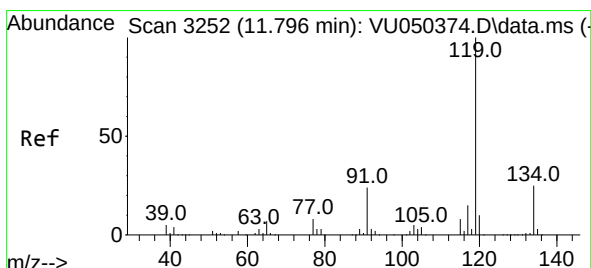
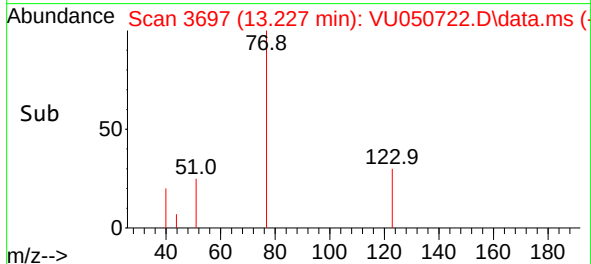
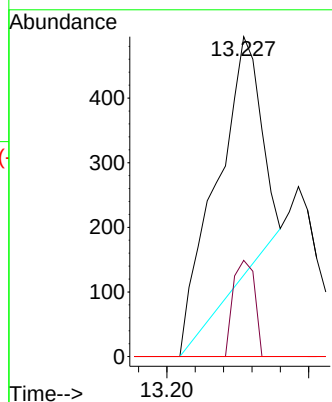
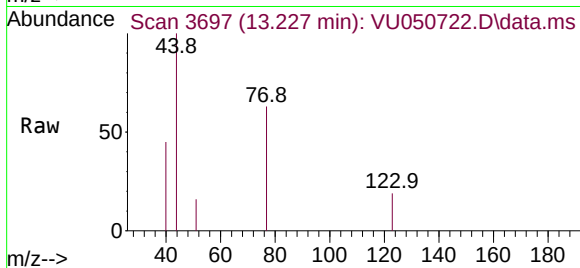




#80
Nitrobenzene
Concen: 0.484 ug/l
RT: 13.227 min Scan# 3697
Delta R.T. 0.019 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

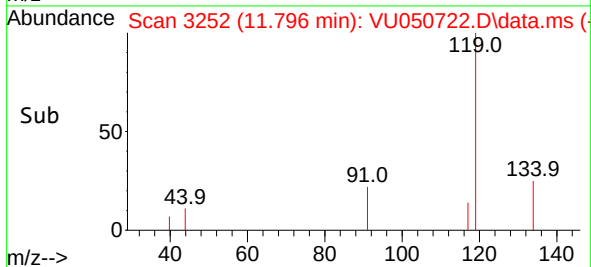
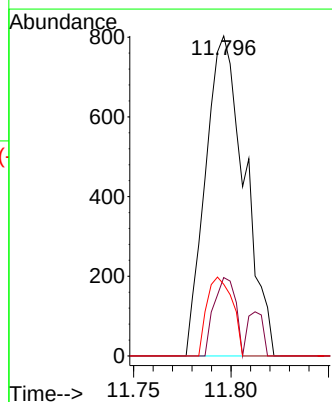
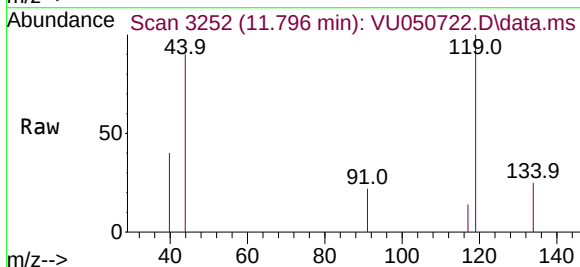
Instrument :
MSVOA_U
ClientSampleId :

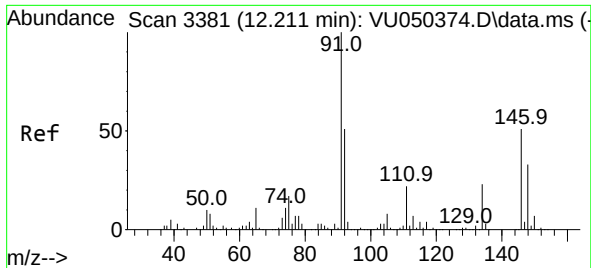
Tgt Ion: 77 Resp: 415
Ion Ratio Lower Upper
77 100
123 18.8 18.1 64.3
65 0.0 10.8 13.8#



#81
p-Isopropyltoluene
Concen: 0.623 ug/l
RT: 11.796 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

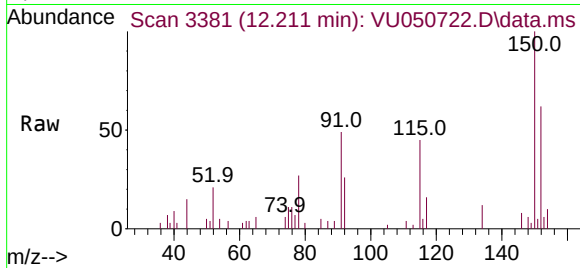
Tgt Ion: 119 Resp: 1116
Ion Ratio Lower Upper
119 100
134 13.5 20.5 30.7#
91 16.1 19.8 29.6#



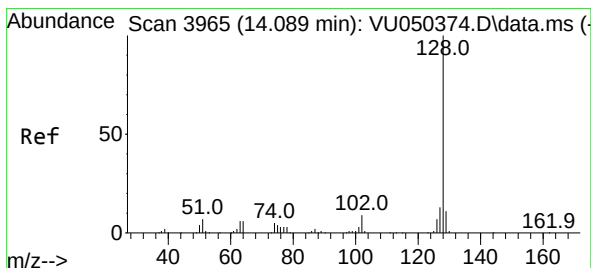
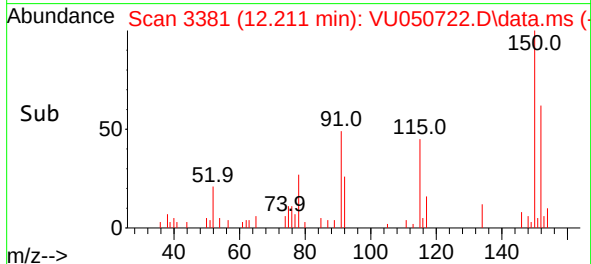
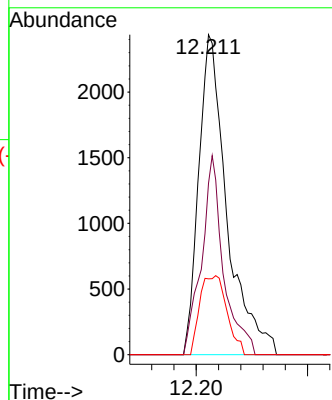


#84
n-Butylbenzene
Concen: 0.662 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Instrument :
MSVOA_U
ClientSampleId :

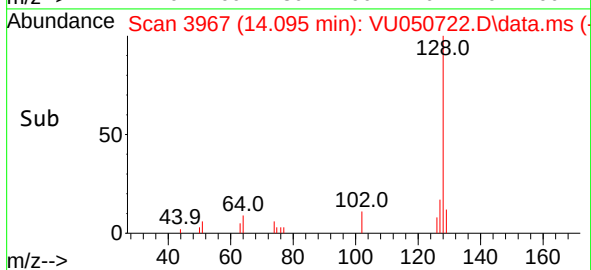
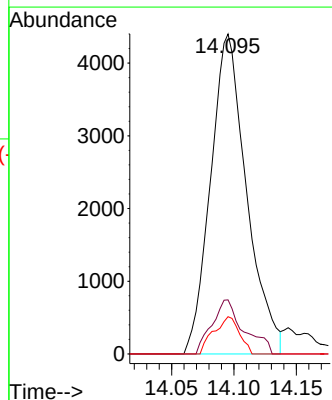
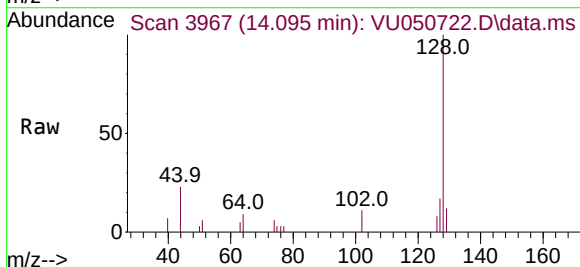


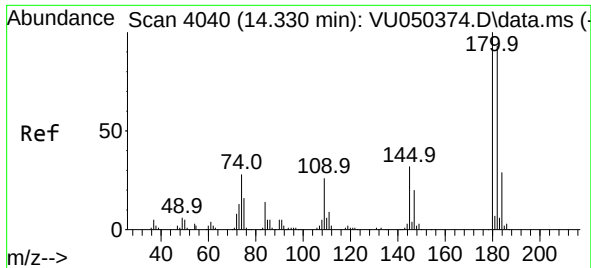
Tgt Ion: 91 Resp: 4277
Ion Ratio Lower Upper
91 100
92 48.4 42.3 63.5
134 23.7 19.6 29.4



#89
Naphthalene
Concen: 1.149 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.007 min
Lab File: VU050722.D
Acq: 16 Sep 2022 13:07

Tgt Ion: 128 Resp: 8832
Ion Ratio Lower Upper
128 100
127 15.0 10.1 15.1
129 8.2 8.6 12.8





#90

1,2,3-Trichlorobenzene

Concen: 0.642 ug/l

RT: 14.340 min Scan# 4043

Delta R.T. 0.010 min

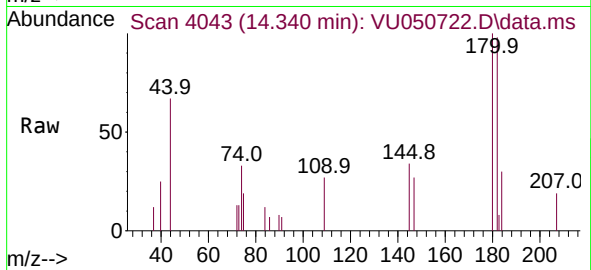
Lab File: VU050722.D

Acq: 16 Sep 2022 13:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 3163

Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

145 30.4 27.3 40.9

