

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046647.D
 Acq On : 30 Dec 2021 14:29
 Operator : SY/MD
 Sample : VU1230WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 31 07:24:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Dec 30 12:44:59 2021
 Response via : Initial Calibration

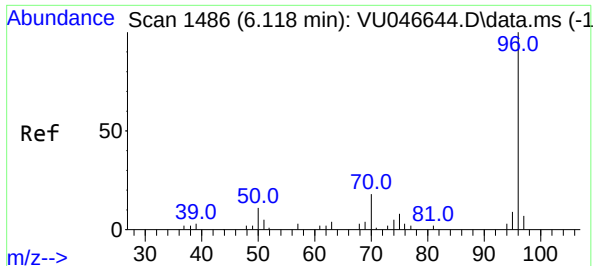
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.118	96	18399	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	5146	0.786	ug/l	0.00
Spiked Amount 1.000			Recovery	=	79.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	5739	0.810	ug/l	0.00
Spiked Amount 1.000			Recovery	=	81.000%	
Target Compounds						
						Qvalue
14) Carbon Disulfide	2.797	76	401	0.026	ug/l #	75
15) Methylene Chloride	3.051	84	1107	0.006	ug/l	88
24) tert-Butyl Alcohol	3.186	59	542	3.988	ug/l #	77
27) Chloroform	5.099	83	319	0.030	ug/l	91
33) Tert-Amyl methyl ether	6.121	73	170	0.015	ug/l #	58
46) t-1,4-Dichloro-2-butene	10.636	75	2519	1.355	ug/l #	21
71) 1,2,3-Trichloropropane	10.636	75	2519	0.656	ug/l #	36
78) 1,2,4-Trimethylbenzene	11.475	105	116	0.481	ug/l #	32
79) sec-Butylbenzene	11.475	105	116	0.005	ug/l #	58
81) p-Isopropyltoluene	11.790	119	47	0.519	ug/l #	50
82) 1,3-Dichlorobenzene	11.761	146	145	0.013	ug/l #	24
83) 1,4-Dichlorobenzene	11.844	146	109	0.009	ug/l #	24
84) n-Butylbenzene	12.214	91	142	0.007	ug/l #	33
85) 1,2-Dichlorobenzene	12.217	146	41	0.004	ug/l #	24
87) 1,2,4-Trichlorobenzene	13.851	180	96	0.014	ug/l #	81
89) Naphthalene	14.092	128	165	0.080	ug/l #	69
90) 1,2,3-Trichlorobenzene	14.330	180	68	0.010	ug/l #	77

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

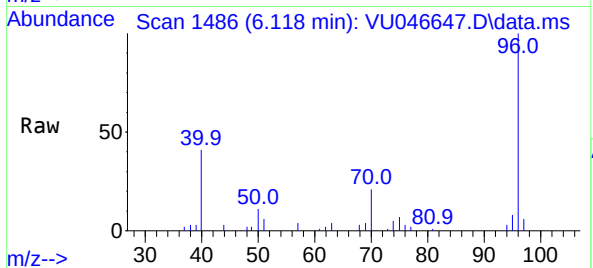
Quant Time: Dec 31 07:24:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Dec 30 12:44:59 2021
Response via : Initial Calibration



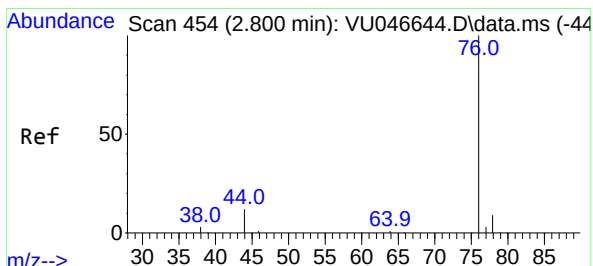
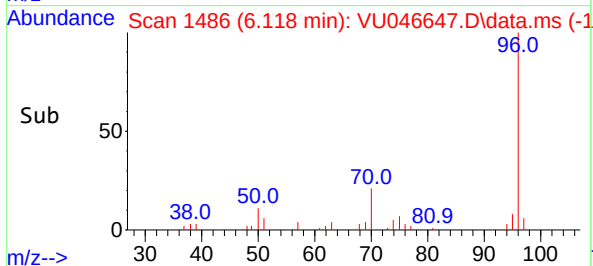
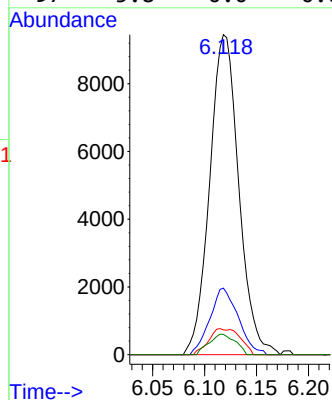


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

Instrument :
MSVOA_U
ClientSampleId :

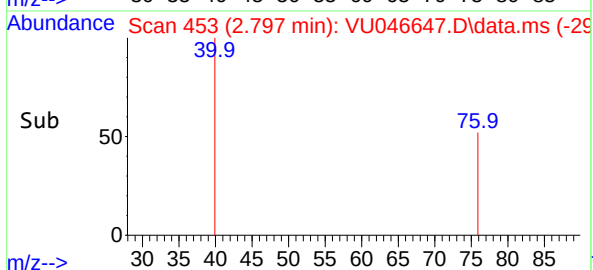
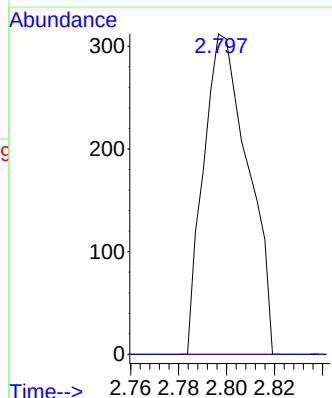
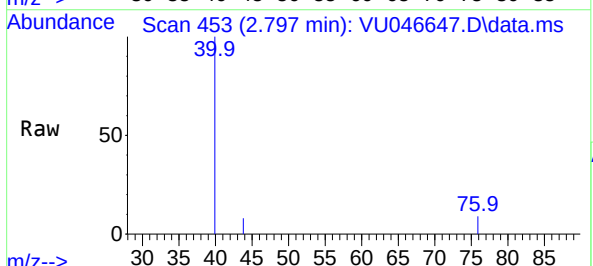


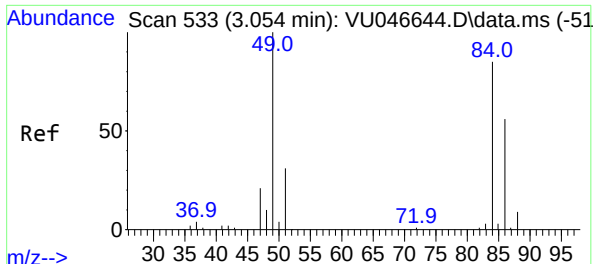
Tgt Ion: 96	Resp: 18399
Ion Ratio	Lower Upper
96 100	
70 20.3	16.8 25.2
95 8.8	7.3 10.9
97 5.8	0.0 0.0#



#14
Carbon Disulfide
Concen: 0.026 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.003 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

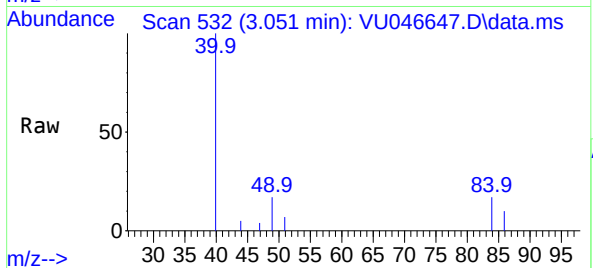
Tgt Ion: 76	Resp: 401		
Ion Ratio	Lower	Upper	
76 100			
78 0.0	7.1	10.7#	



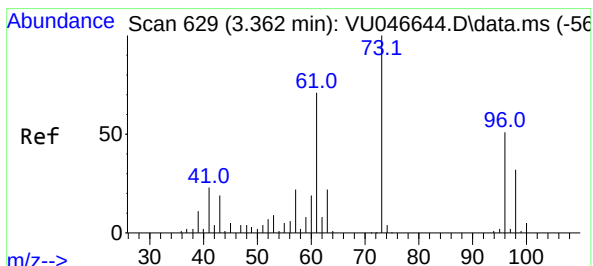
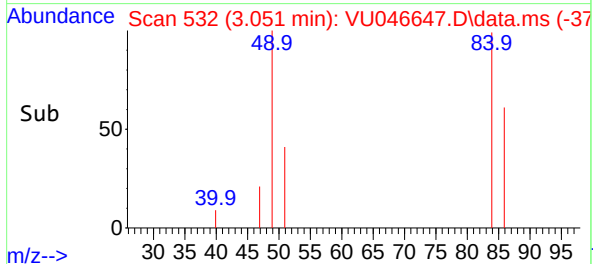
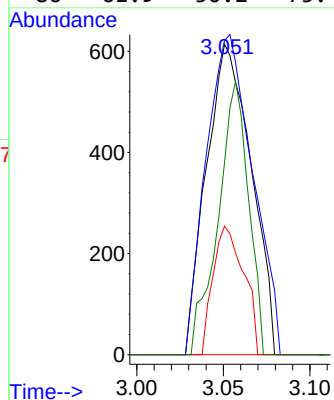


#15
Methylene Chloride
Concen: 0.006 ug/l
RT: 3.051 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

Instrument :
MSVOA_U
ClientSampleId :

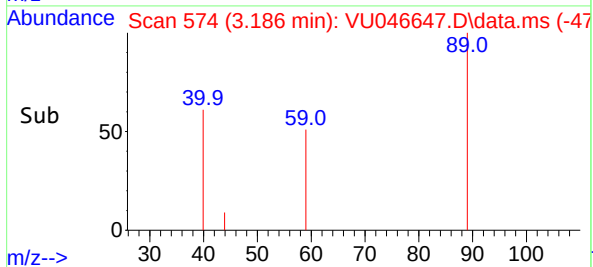
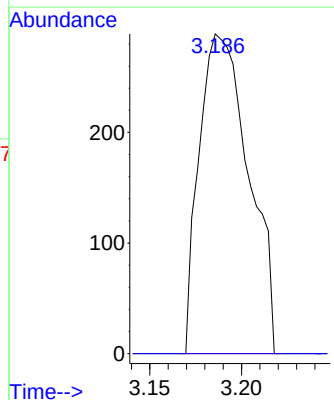
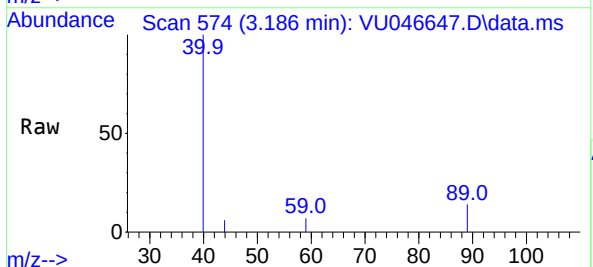


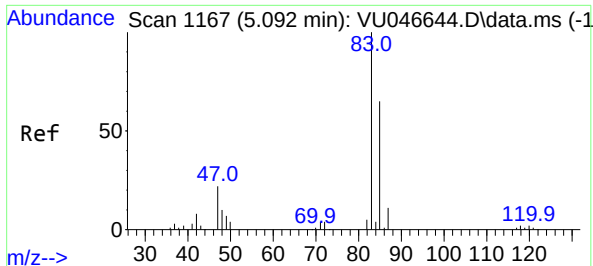
Tgt Ion:	84	Resp:	1107
Ion	Ratio	Lower	Upper
84	100		
49	101.3	97.2	145.8
51	41.4	0.0	73.4
86	61.9	50.2	75.4



#24
tert-Butyl Alcohol
Concen: 3.988 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.176 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

Tgt Ion:	59	Resp:	542
Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.5	9.7#

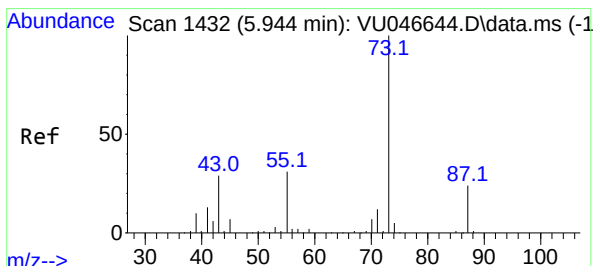
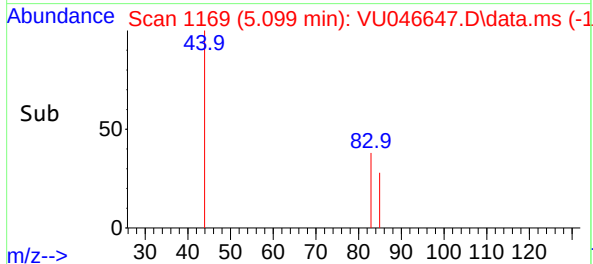
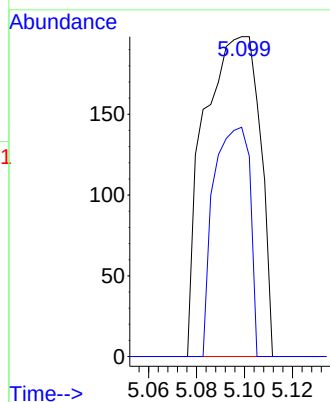
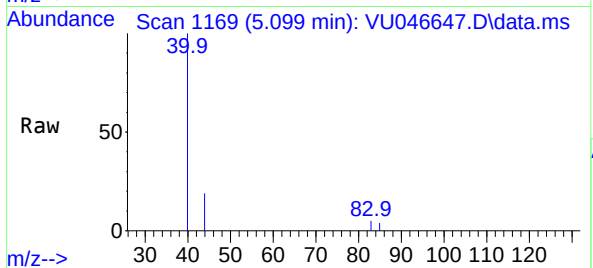




#27
Chloroform
Concen: 0.030 ug/l
RT: 5.099 min Scan# 1167
Delta R.T. 0.007 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

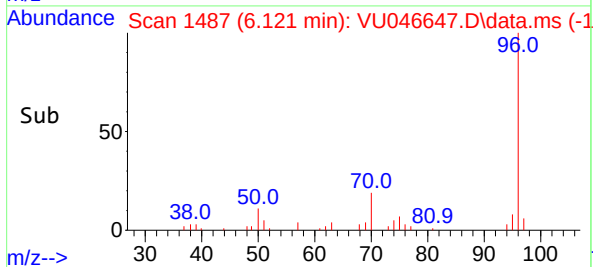
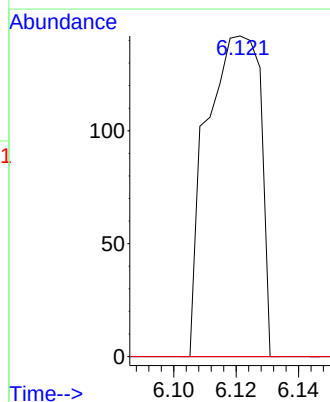
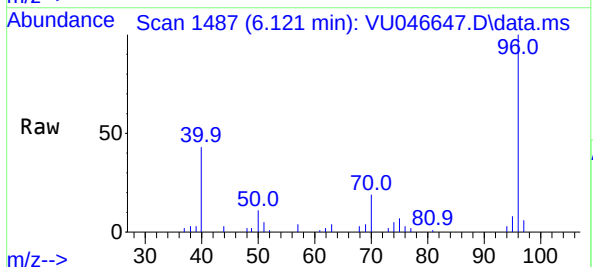
Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 83 Resp: 319
Ion Ratio Lower Upper
83 100
85 71.7 0.0 129.2

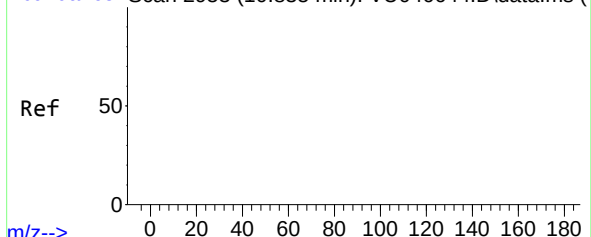


#33
Tert-Amyl methyl ether
Concen: 0.015 ug/l
RT: 6.121 min Scan# 1487
Delta R.T. 0.177 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

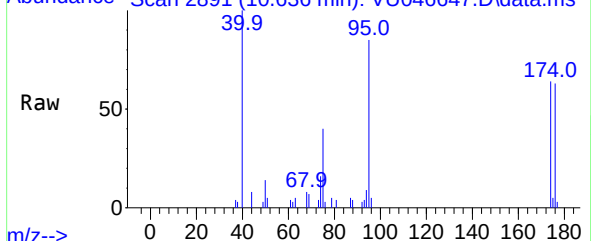
Tgt Ion: 73 Resp: 170
Ion Ratio Lower Upper
73 100
87 0.0 18.6 28.0#
71 0.0 9.0 13.6#



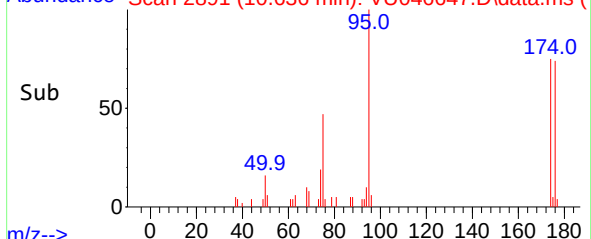
Abundance Scan 2953 (10.835 min): VU046644.D\data.ms (-



m/z--> Scan 2891 (10.636 min): VU046647.D\data.ms (-

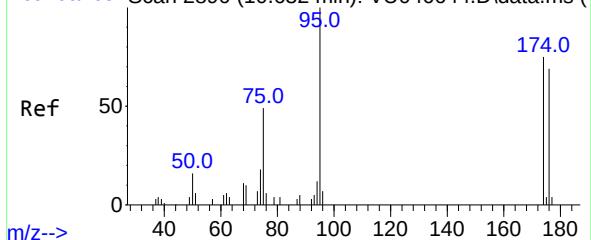


Abundance Scan 2891 (10.636 min): VU046647.D\data.ms (-

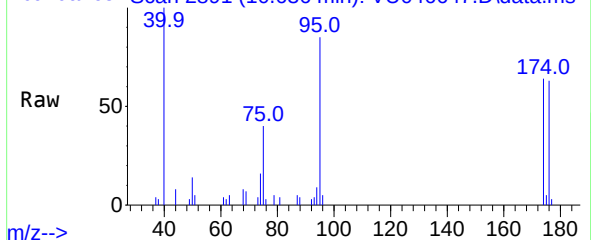


m/z-->

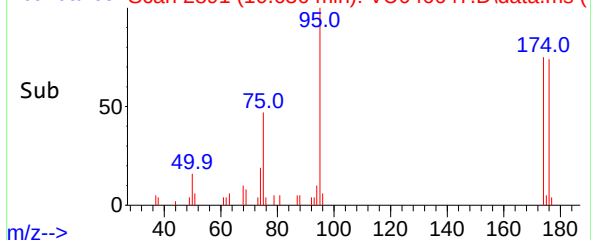
Abundance Scan 2890 (10.632 min): VU046644.D\data.ms (-



m/z--> Scan 2891 (10.636 min): VU046647.D\data.ms (-



Abundance Scan 2891 (10.636 min): VU046647.D\data.ms (-

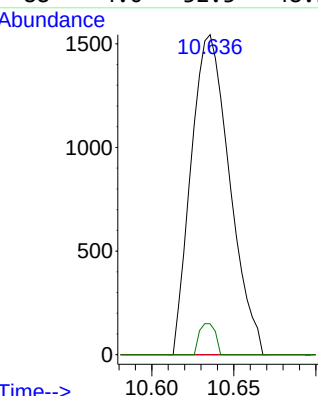


m/z-->

#46
t-1,4-Dichloro-2-butene
Concen: 1.355 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.199 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

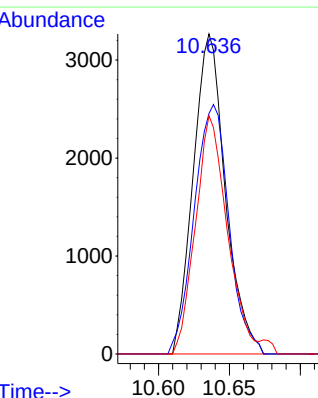
Instrument :
MSVOA_U
ClientSampleId :

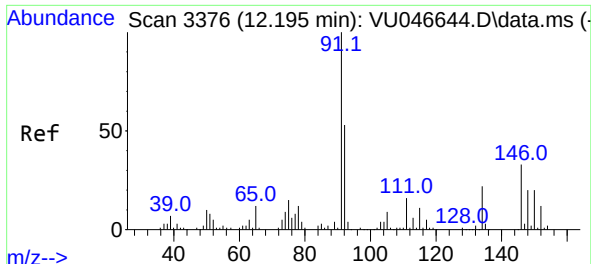
Tgt Ion: 75	Resp: 2519
Ion Ratio	Lower Upper
75 100	
53 0.0	66.8 100.2#
89 0.0	41.7 62.5#
88 4.0	32.3 48.5#



#57
4-Bromofluorobenzene
Concen: 0.786 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.004 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

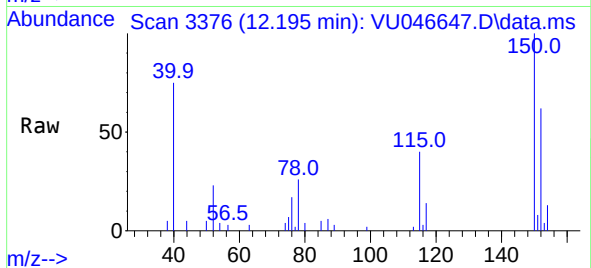
Tgt Ion: 95	Resp: 5146
Ion Ratio	Lower Upper
95 100	
174 84.2	56.6 84.8
176 73.8	54.3 81.5





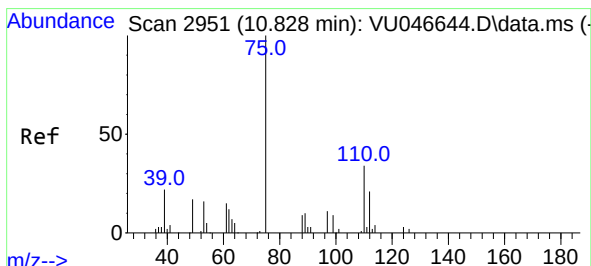
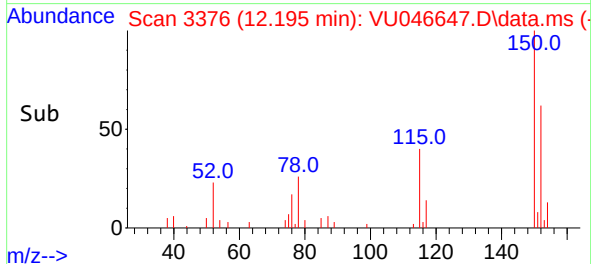
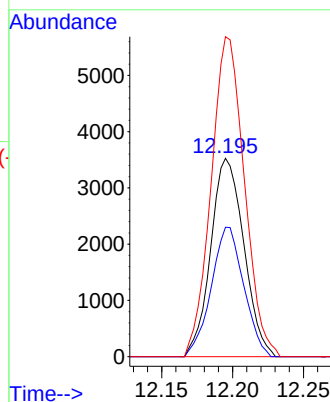
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.810 ug/l
 RT: 12.195 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU046647.D
 Acq: 30 Dec 2021 14:29

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:152 Resp: 5739

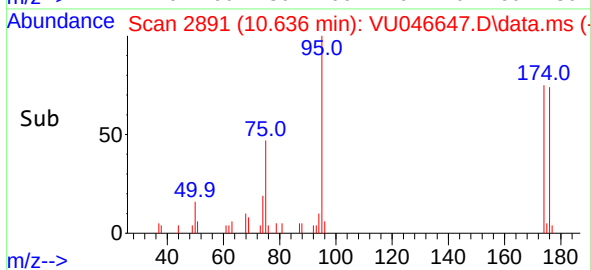
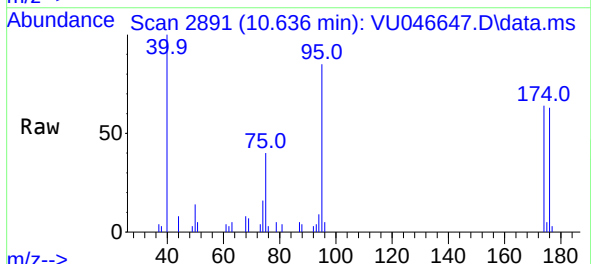
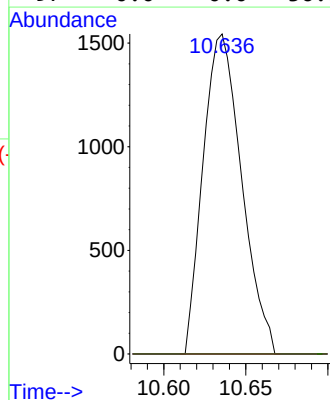
Ion	Ratio	Lower	Upper
152	100		
115	63.9	0.0	251.0
150	161.8	0.0	613.8

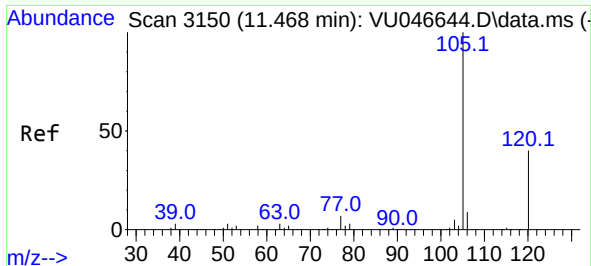


#71
 1,2,3-Trichloropropane
 Concen: 0.656 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU046647.D
 Acq: 30 Dec 2021 14:29

Tgt Ion: 75 Resp: 2519

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	105.6
110	0.0	0.0	71.2
97	0.0	0.0	36.8

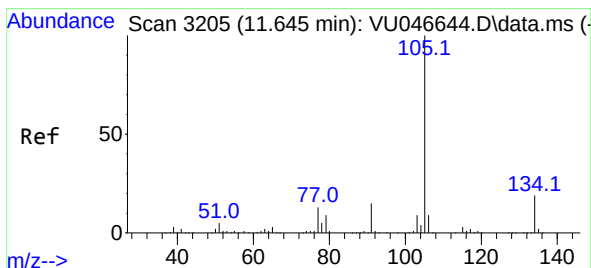
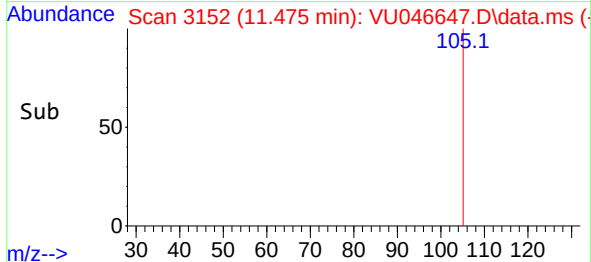
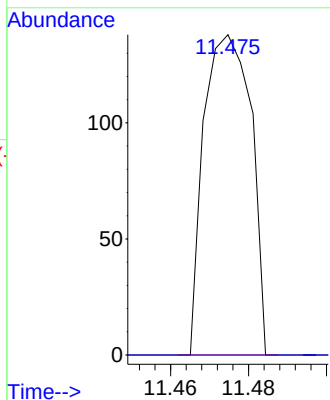
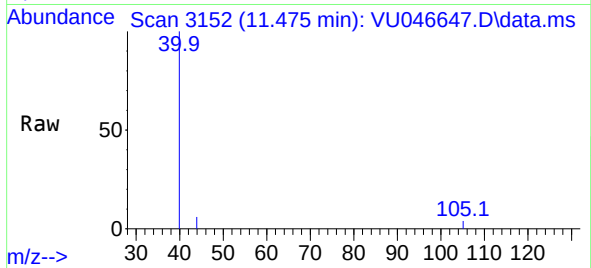




#78
1,2,4-Trimethylbenzene
Concen: 0.481 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

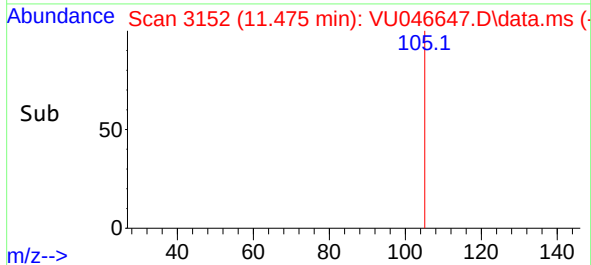
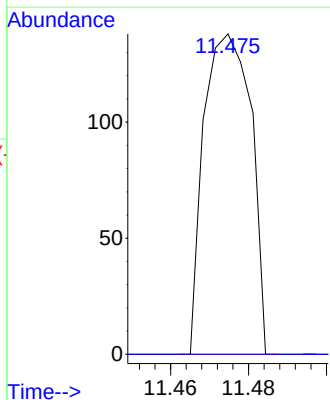
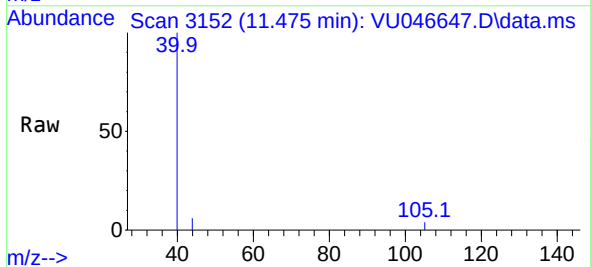
Instrument :
MSVOA_U
ClientSampleId :

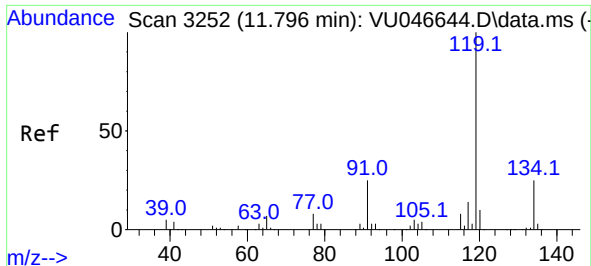
Tgt Ion:105 Resp: 116
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#



#79
sec-Butylbenzene
Concen: 0.005 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. -0.170 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

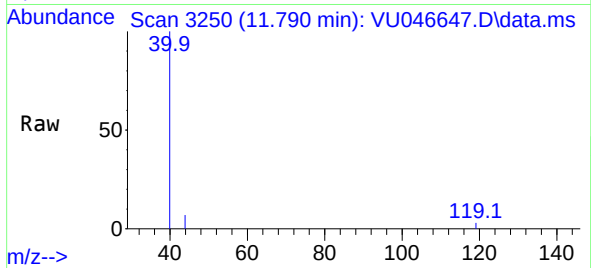
Tgt Ion:105 Resp: 116
Ion Ratio Lower Upper
105 100
134 0.0 15.4 23.0#



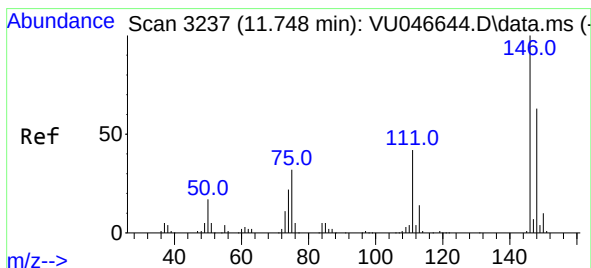
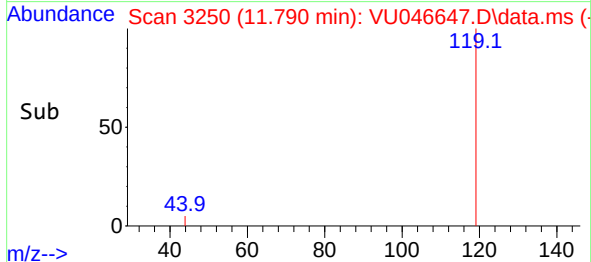
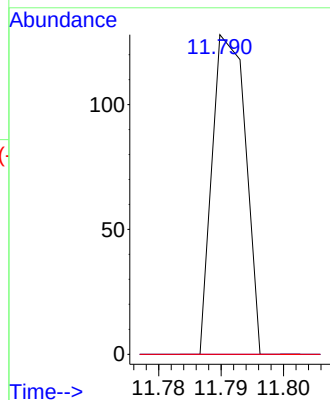


#81
p-Isopropyltoluene
Concen: 0.519 ug/l
RT: 11.790 min Scan# 31
Delta R.T. -0.006 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

Instrument :
MSVOA_U
ClientSampleId :

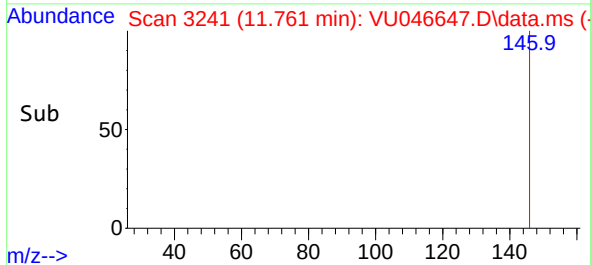
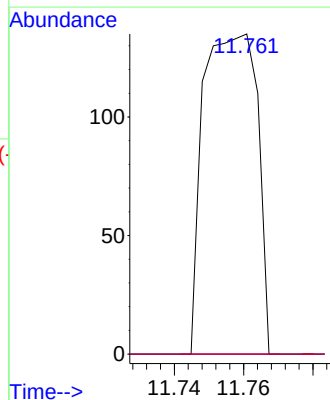
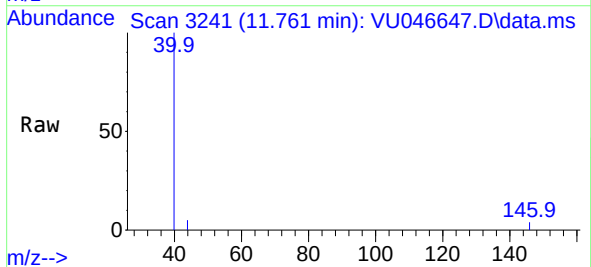


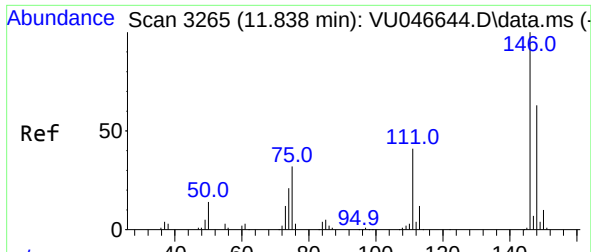
Tgt Ion:119 Resp: 47
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.4#
91 0.0 19.9 29.9#



#82
1,3-Dichlorobenzene
Concen: 0.013 ug/l
RT: 11.761 min Scan# 3241
Delta R.T. 0.013 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

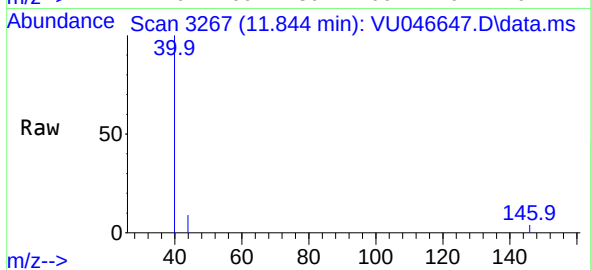
Tgt Ion:146 Resp: 145
Ion Ratio Lower Upper
146 100
111 0.0 33.9 50.9#
148 0.0 50.9 76.3#



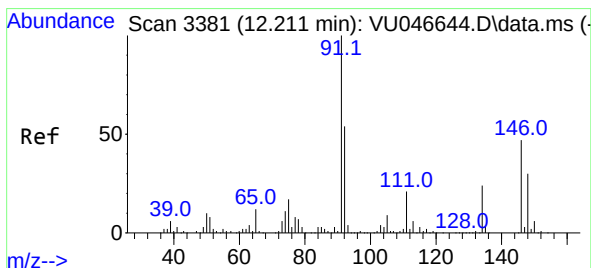
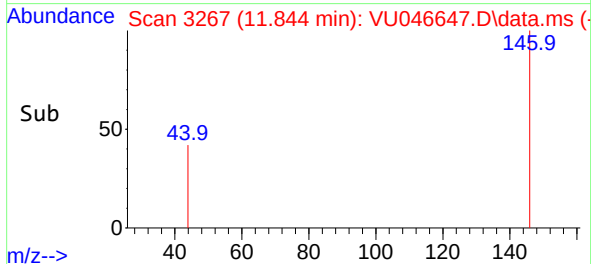
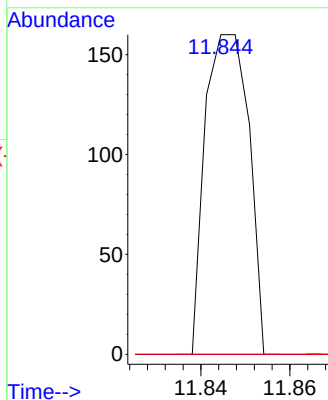


#83
1,4-Dichlorobenzene
Concen: 0.009 ug/l
RT: 11.844 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

Instrument :
MSVOA_U
ClientSampleId :

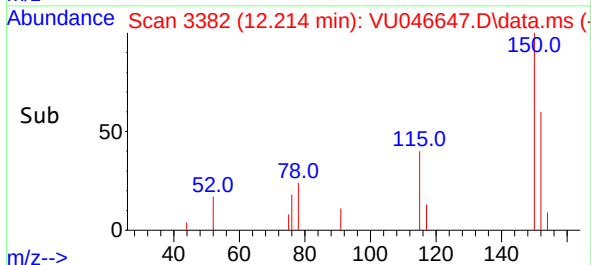
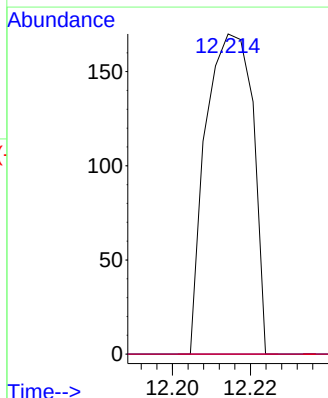
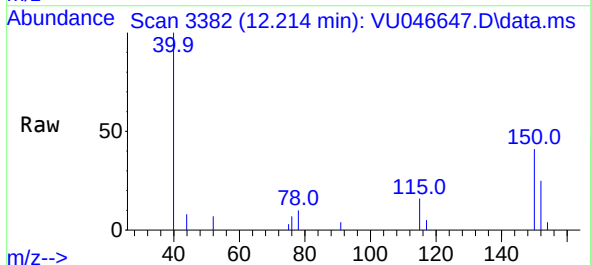


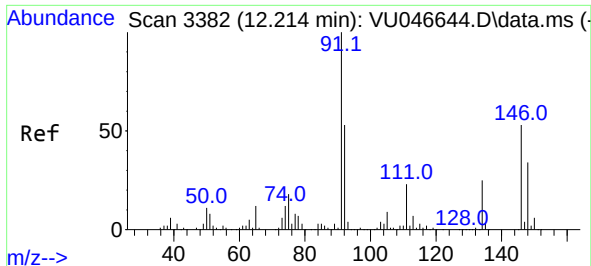
Tgt Ion:146 Resp: 109
Ion Ratio Lower Upper
146 100
111 0.0 32.7 49.1#
148 0.0 51.4 77.0#



#84
n-Butylbenzene
Concen: 0.007 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

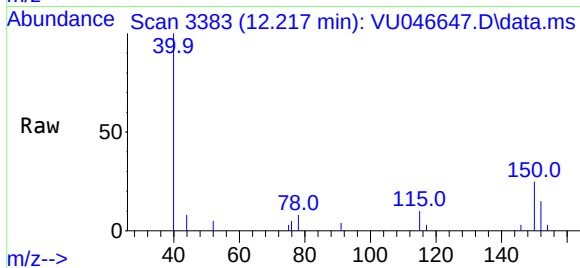
Tgt Ion: 91 Resp: 142
Ion Ratio Lower Upper
91 100
92 0.0 43.5 65.3#
134 0.0 19.0 28.4#



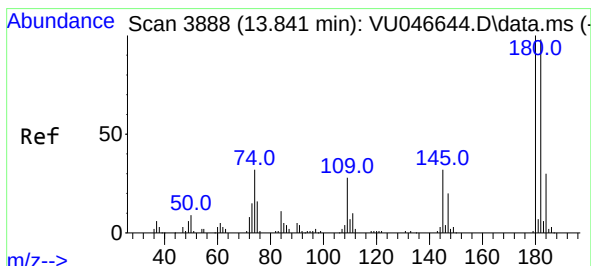
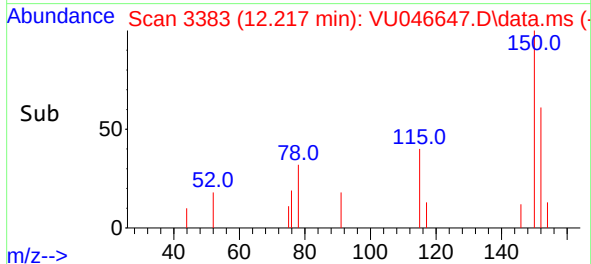
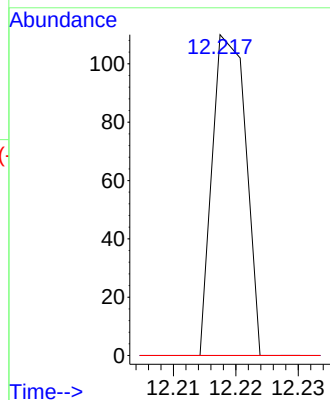


#85
1,2-Dichlorobenzene
Concen: 0.004 ug/l
RT: 12.217 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

Instrument :
MSVOA_U
ClientSampleId :

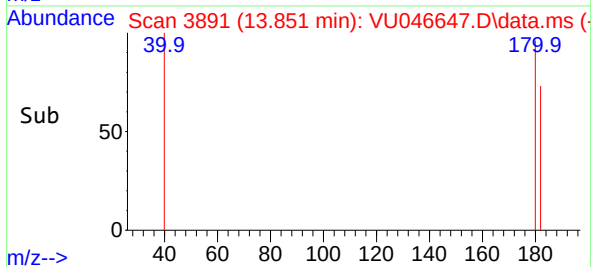
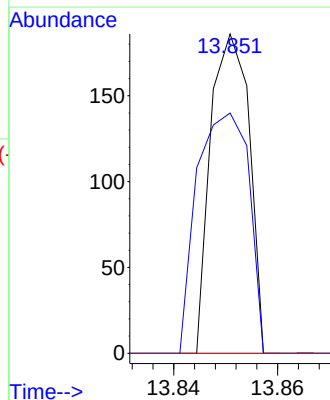
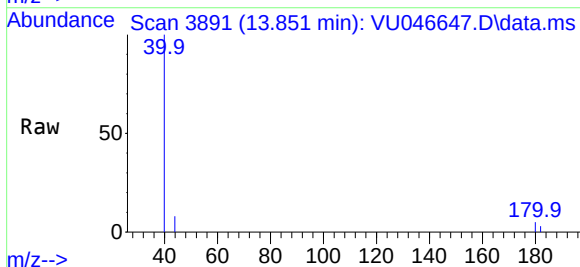


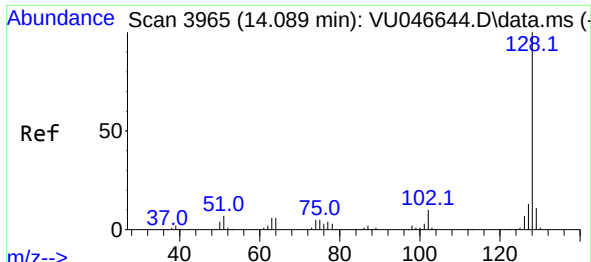
Tgt Ion:146 Resp: 41
Ion Ratio Lower Upper
146 100
111 0.0 22.1 66.1#
148 0.0 31.6 94.7#



#87
1,2,4-Trichlorobenzene
Concen: 0.014 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.010 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

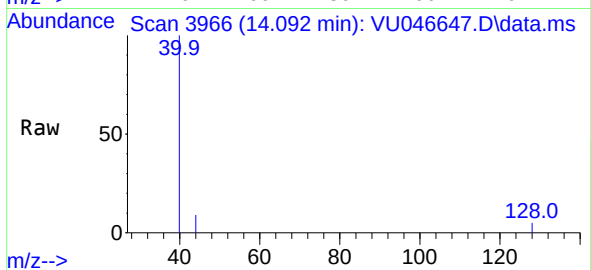
Tgt Ion:180 Resp: 96
Ion Ratio Lower Upper
180 100
182 101.0 75.8 113.8
145 0.0 25.3 37.9#



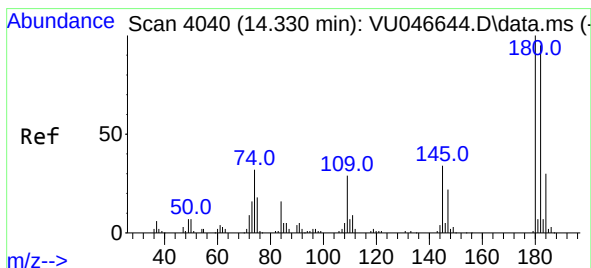
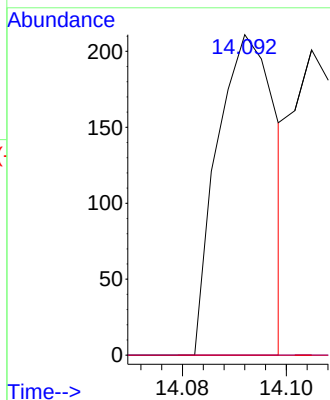
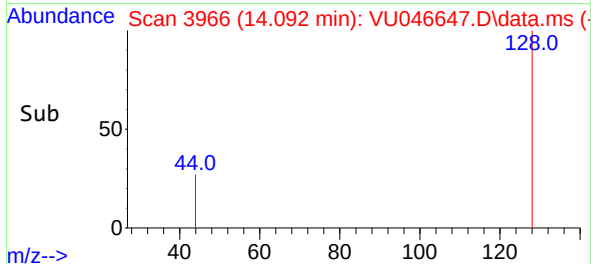


#89
Naphthalene
Concen: 0.080 ug/l
RT: 14.092 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29

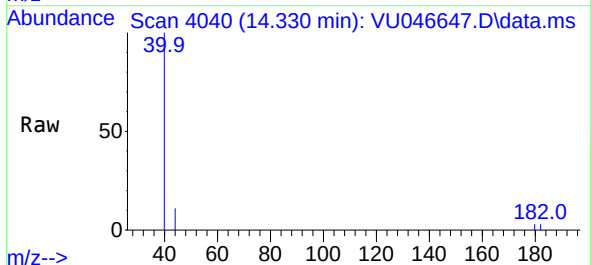
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 165
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#



#90
1,2,3-Trichlorobenzene
Concen: 0.010 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU046647.D
Acq: 30 Dec 2021 14:29



Tgt Ion:180 Resp: 68
Ion Ratio Lower Upper
180 100
182 104.4 75.4 113.0
145 0.0 27.0 40.4#

