

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060421\
 Data File : VU044045.D
 Acq On : 04 Jun 2021 11:21
 Operator : SY/MD
 Sample : VU0604WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 07 02:16:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 03 11:17:14 2021
 Response via : Initial Calibration

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

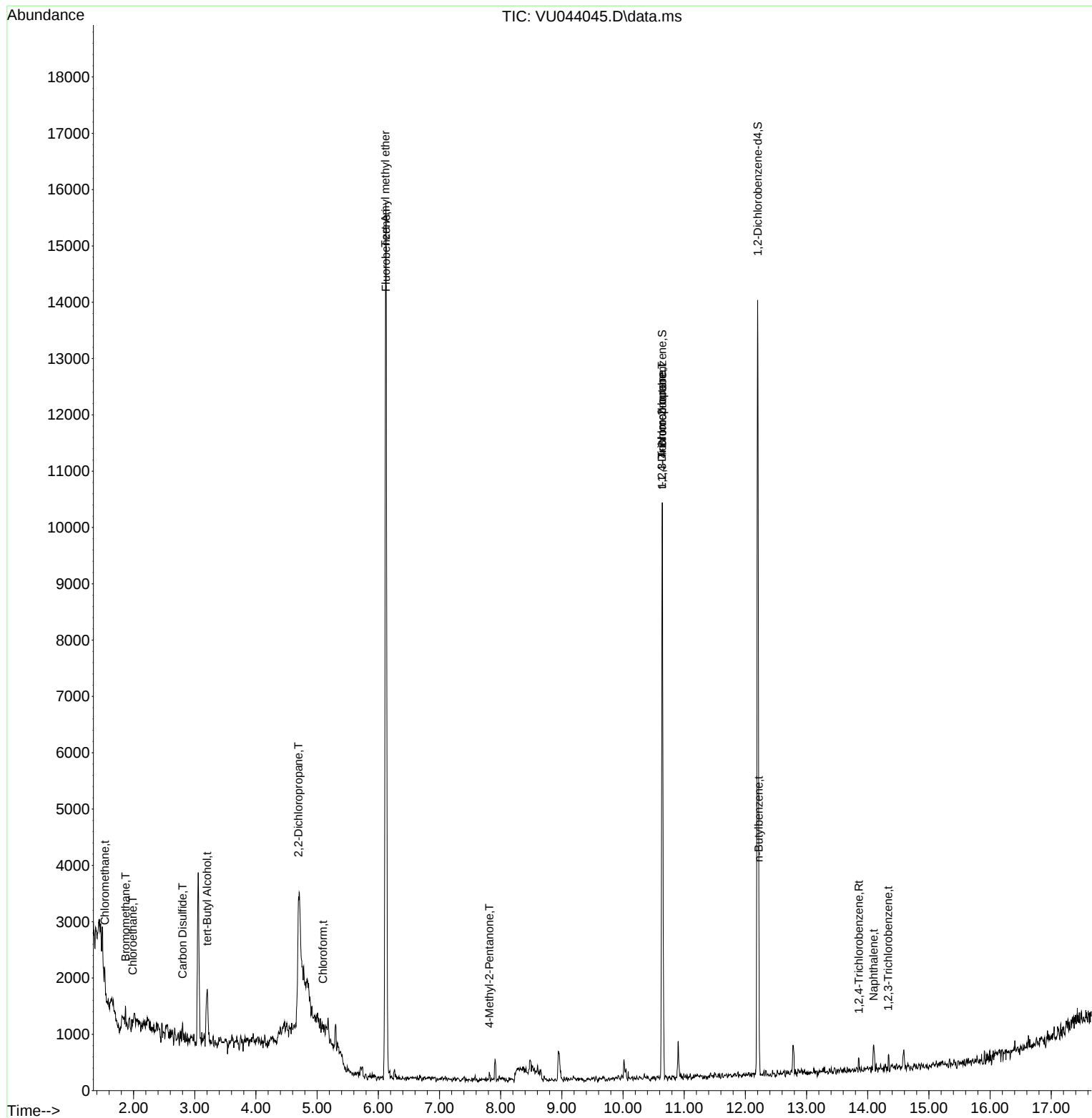
Internal Standards						
1) Fluorobenzene	6.124	96	14564	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	3821	0.755	ug/l	0.00
Spiked Amount 1.000			Recovery	=	75.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	3851	0.713	ug/l	0.00
Spiked Amount 1.000			Recovery	=	71.000%	
Target Compounds						
						Qvalue
3) Chloromethane	1.530	50	238	0.036	ug/l	# 42
5) Bromomethane	1.867	94	113	0.030	ug/l	94
6) Chloroethane	1.986	64	47	0.012	ug/l	# 43
13) Acetone	2.649	43	20	Below Cal		# 38
14) Carbon Disulfide	2.800	76	176	0.013	ug/l	# 75
15) Methylene Chloride	3.057	84	1353	Below Cal		95
21) 2,2-Dichloropropane	4.694	77	43	0.007	ug/l	# 54
24) tert-Butyl Alcohol	3.202	59	720	1.980	ug/l	# 75
27) Chloroform	5.095	83	64	0.008	ug/l	18
33) Tert-Amyl methyl ether	6.118	73	138	0.015	ug/l	# 58
45) 4-Methyl-2-Pentanone	7.816	43	124	0.048	ug/l	# 41
46) t-1,4-Dichloro-2-butene	10.639	75	1851	1.597	ug/l	# 23
71) 1,2,3-Trichloropropane	10.639	75	1851	0.551	ug/l	# 39
84) n-Butylbenzene	12.221	91	137	0.486	ug/l	# 33
87) 1,2,4-Trichlorobenzene	13.854	180	128	0.024	ug/l	# 67
89) Naphthalene	14.095	128	608	1.060	ug/l	# 69
90) 1,2,3-Trichlorobenzene	14.336	180	129	0.025	ug/l	# 65

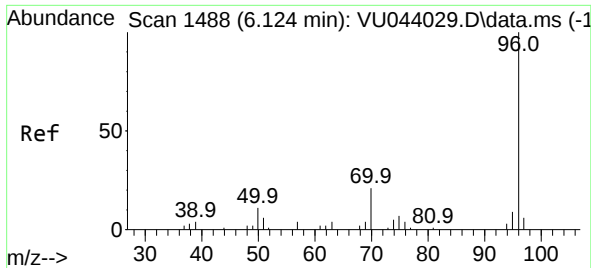
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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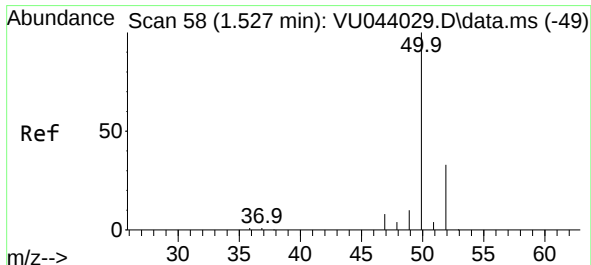
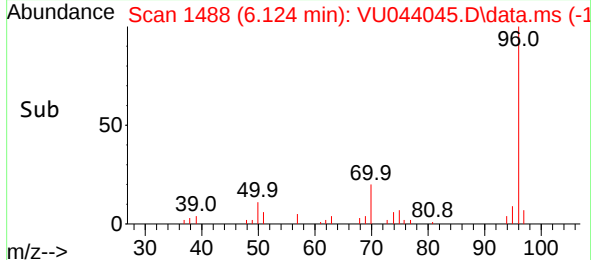
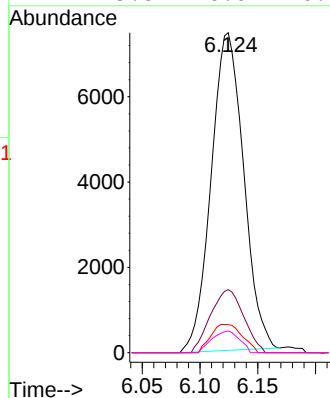
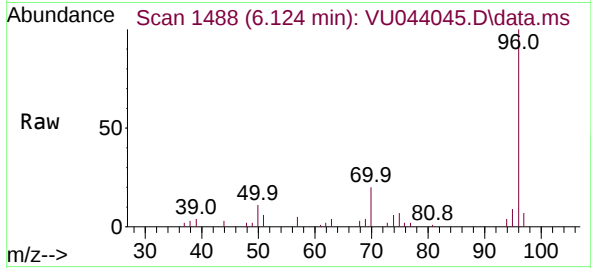




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.124 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

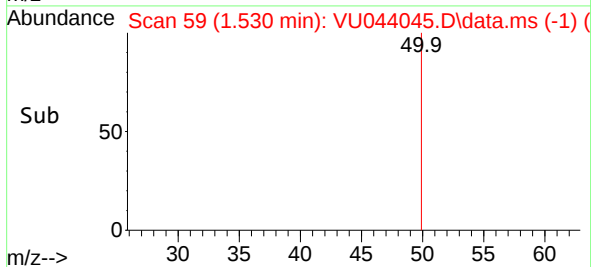
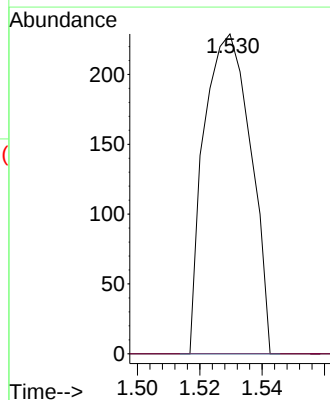
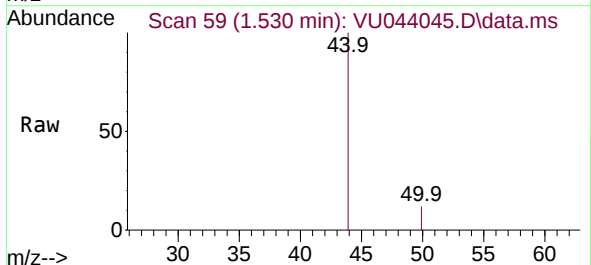
Instrument :
MSVOA_U
ClientSampled :

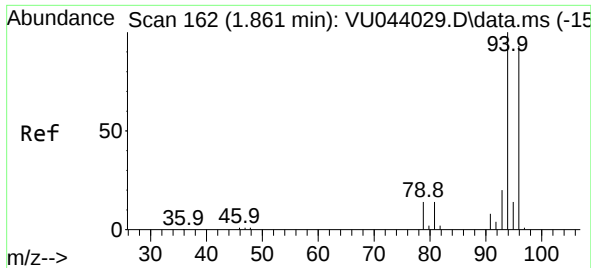
Tgt Ion: 96	Resp: 14564
Ion Ratio	Lower Upper
96 100	
70 20.2	16.6 25.0
95 8.6	7.0 10.4
97 5.8	0.0 0.0#



#3
Chloromethane
Concen: 0.036 ug/l
RT: 1.530 min Scan# 59
Delta R.T. 0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Tgt Ion: 50	Resp: 238
Ion Ratio	Lower Upper
50 100	
52 0.0	26.4 39.6#

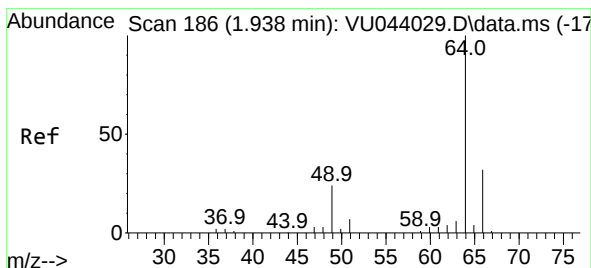
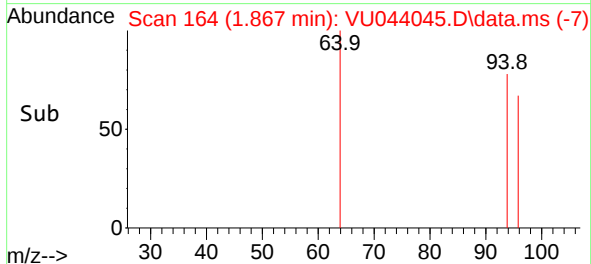
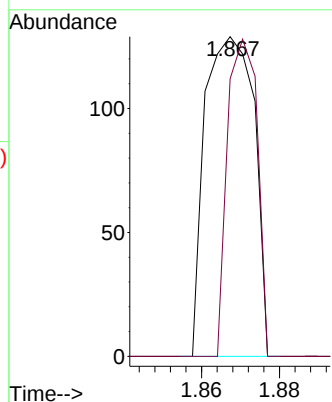
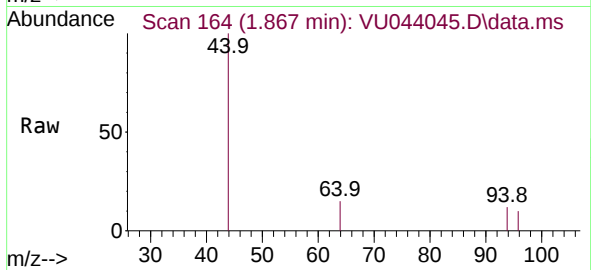




#5
Bromomethane
Concen: 0.030 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.006 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

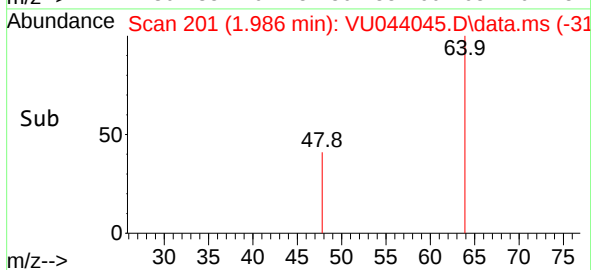
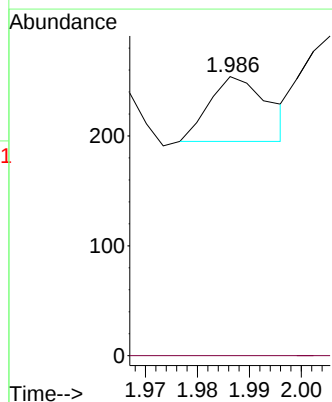
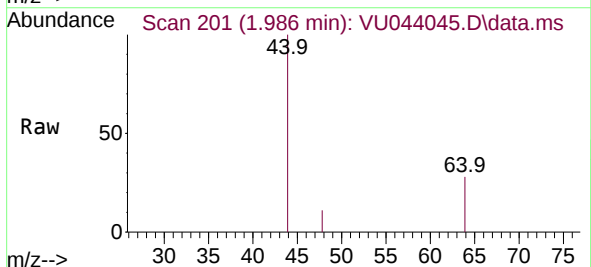
Instrument :
MSVOA_U
ClientSampled :

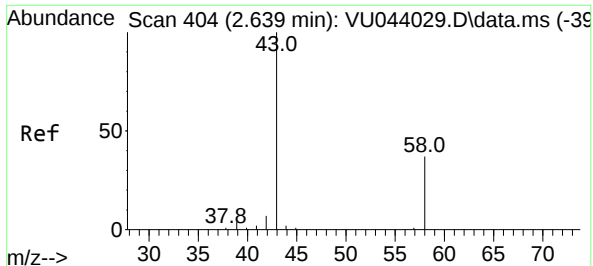
Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 86.8 74.1 111.1



#6
Chloroethane
Concen: 0.012 ug/l
RT: 1.986 min Scan# 201
Delta R.T. 0.048 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

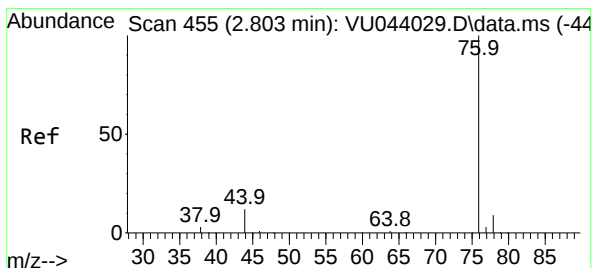
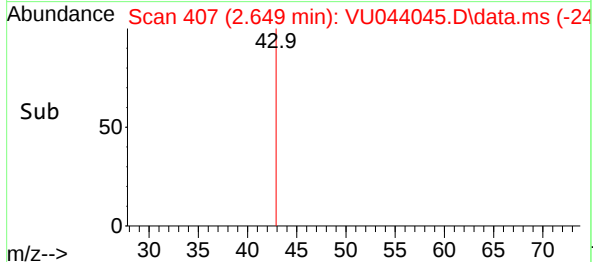
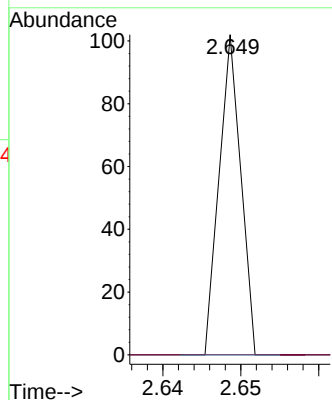
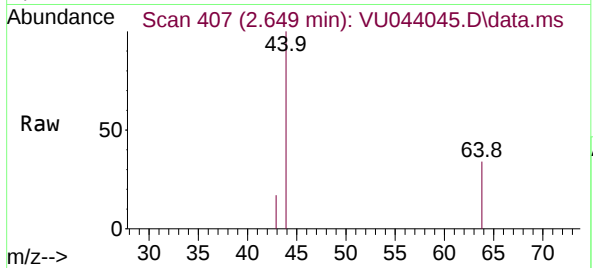




#13
Acetone
Concen: Below Cal
RT: 2.649 min Scan# 407
Delta R.T. 0.010 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

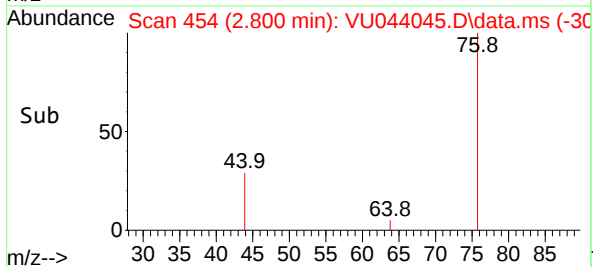
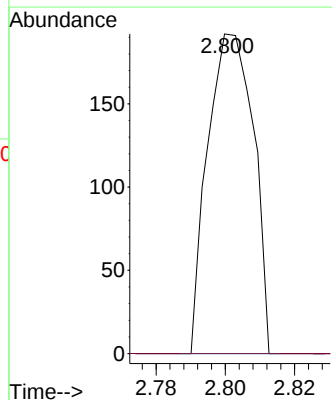
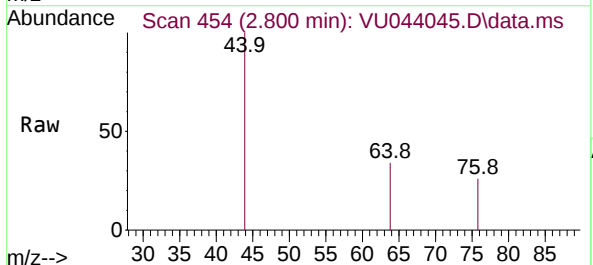
Instrument :
MSVOA_U
ClientSampled :

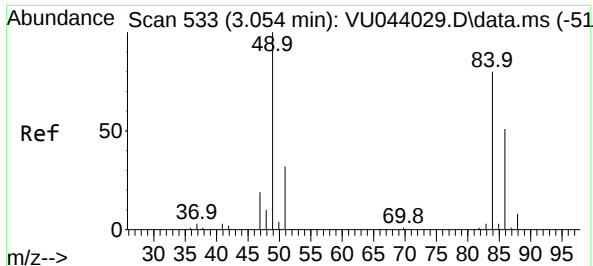
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#



#14
Carbon Disulfide
Concen: 0.013 ug/l
RT: 2.800 min Scan# 454
Delta R.T. -0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

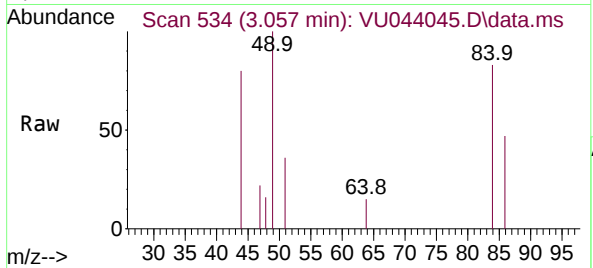
Tgt Ion: 76 Resp: 176
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



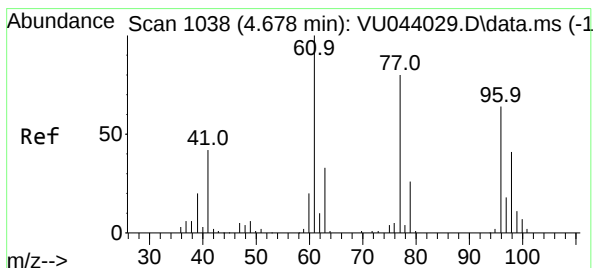
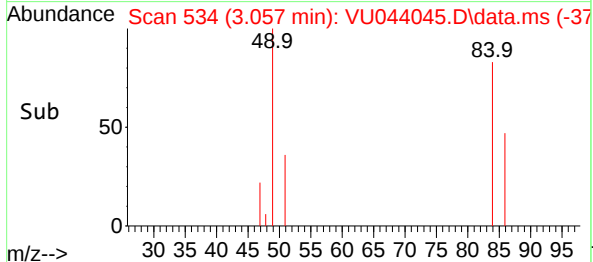
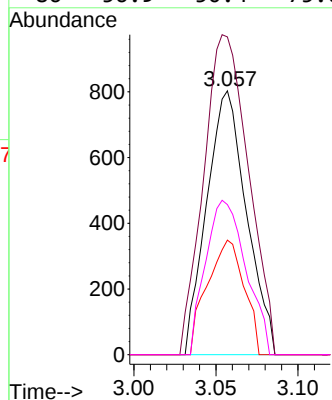


#15
Methylene Chloride
Concen: Below Cal
RT: 3.057 min Scan# 534
Delta R.T. 0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Instrument :
MSVOA_U
ClientSampled :

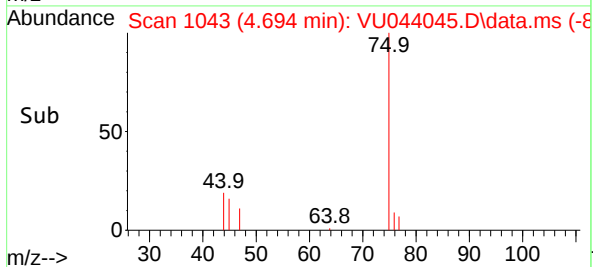
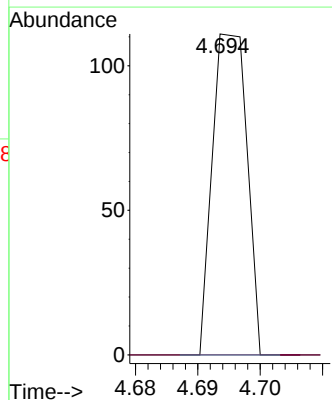
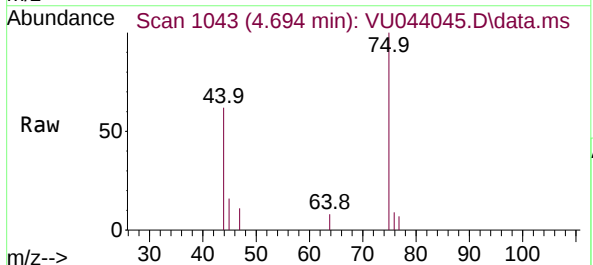


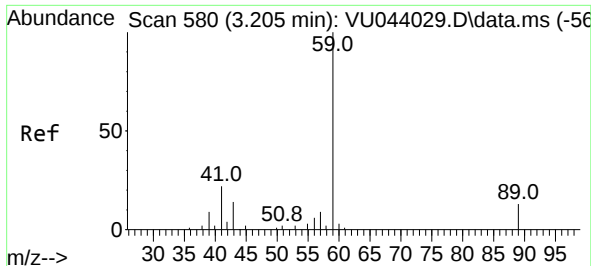
Tgt Ion: 84	Resp: 1353
Ion Ratio	Lower Upper
84 100	
49 120.4	99.5 149.3
51 43.5	0.0 80.0
86 56.9	50.4 75.6



#21
2,2-Dichloropropane
Concen: 0.007 ug/l
RT: 4.694 min Scan# 1043
Delta R.T. 0.016 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Tgt Ion: 77	Resp: 43
Ion Ratio	Lower Upper
77 100	
97 0.0	17.4 26.0#

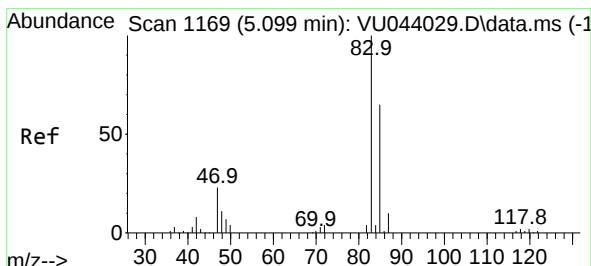
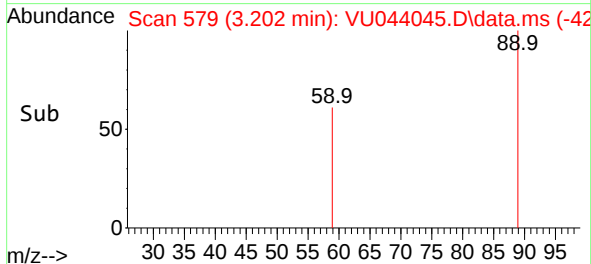
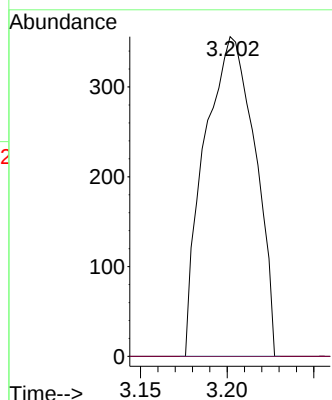
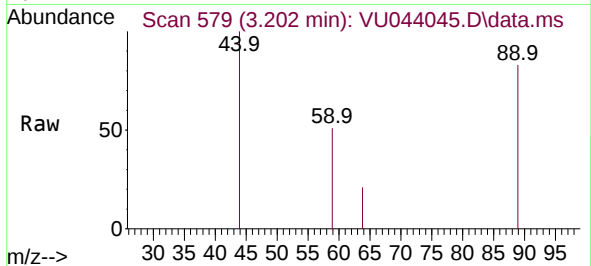




#24
tert-Butyl Alcohol
Concen: 1.980 ug/l
RT: 3.202 min Scan# 579
Delta R.T. -0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

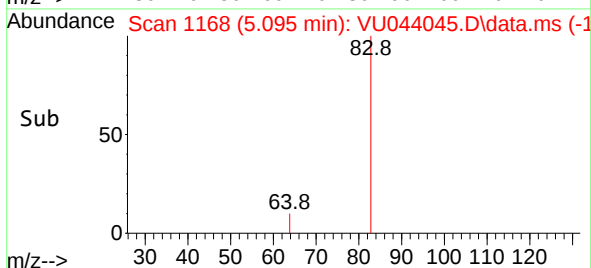
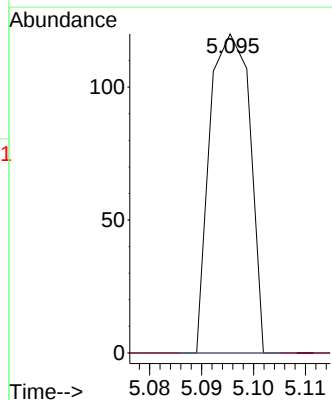
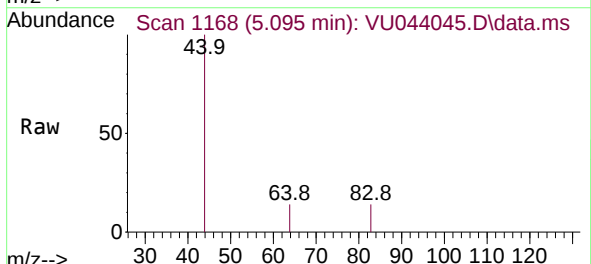
Instrument :
MSVOA_U
ClientSampled :

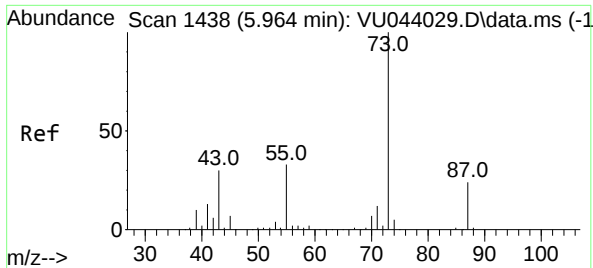
Tgt Ion: 59 Resp: 720
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



#27
Chloroform
Concen: 0.008 ug/l
RT: 5.095 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

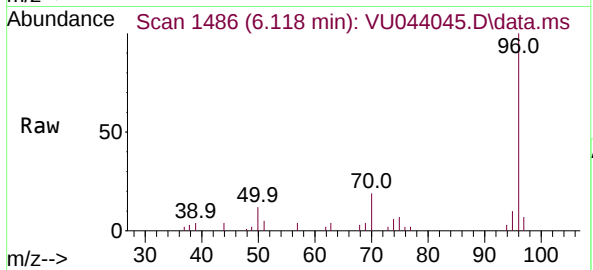
Tgt Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
85 0.0 0.0 129.2



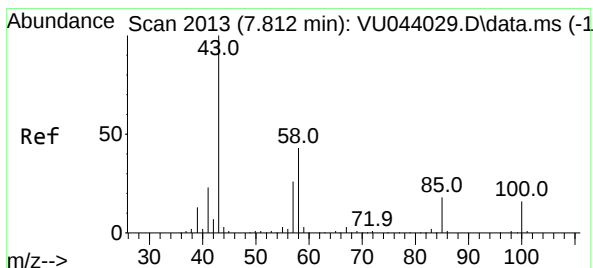
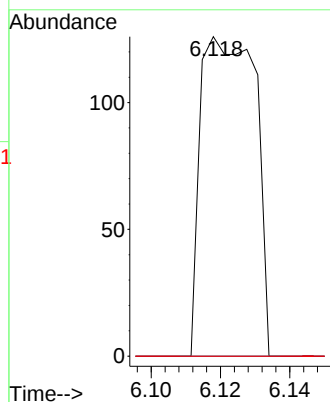
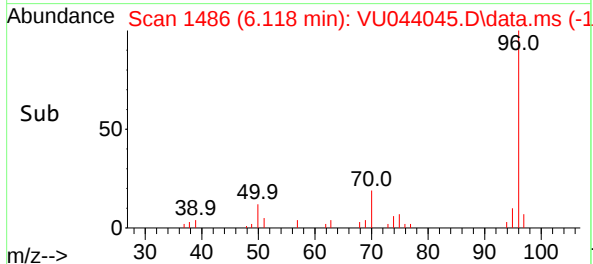


#33
Tert-Amyl methyl ether
Concen: 0.015 ug/l
RT: 6.118 min Scan# 1486
Delta R.T. 0.154 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

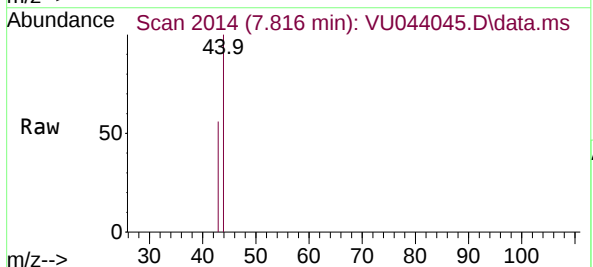
Instrument :
MSVOA_U
ClientSampled :



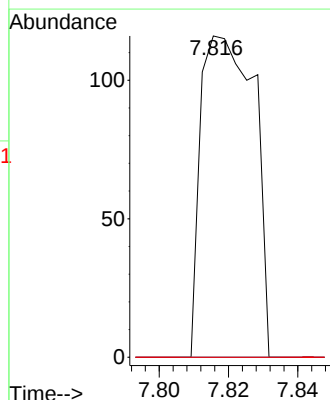
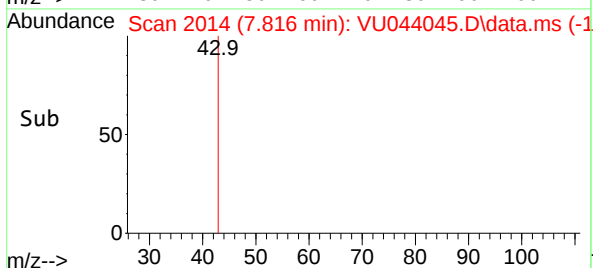
Tgt Ion: 73 Resp: 138
Ion Ratio Lower Upper
73 100
87 0.0 19.0 28.6#
71 0.0 9.4 14.2#

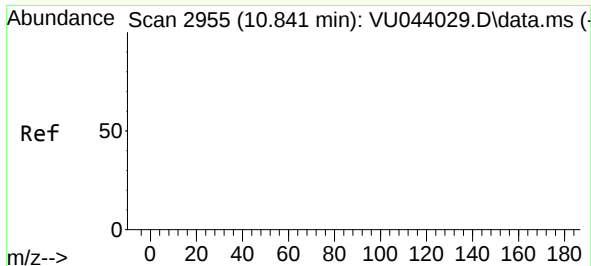


#45
4-Methyl-2-Pentanone
Concen: 0.048 ug/l
RT: 7.816 min Scan# 2014
Delta R.T. 0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21



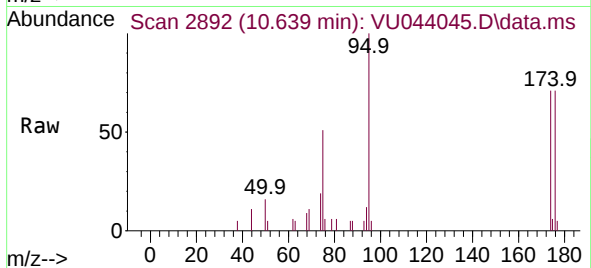
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 0.0 21.1 63.4#
85 0.0 14.6 22.0#



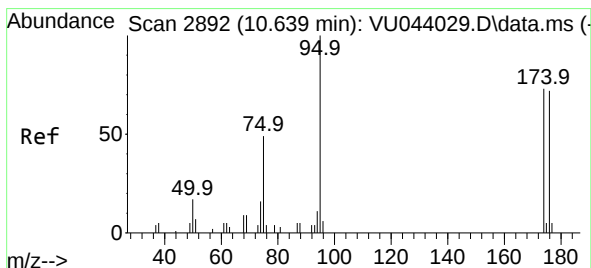
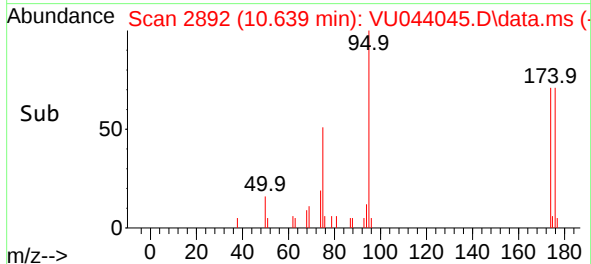
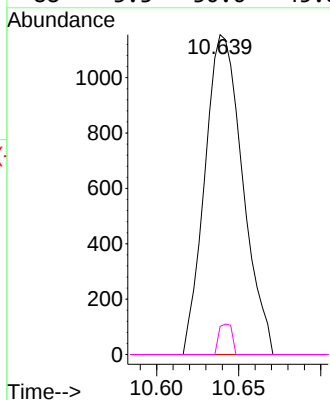


#46
t-1,4-Dichloro-2-butene
Concen: 1.597 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.203 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Instrument :
MSVOA_U
ClientSampleId :

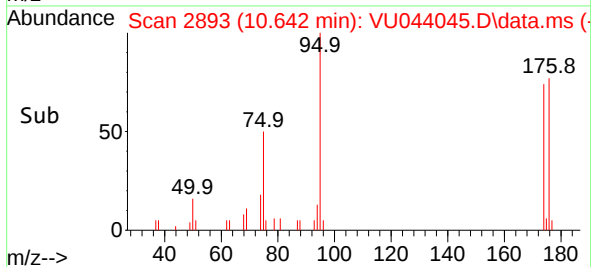
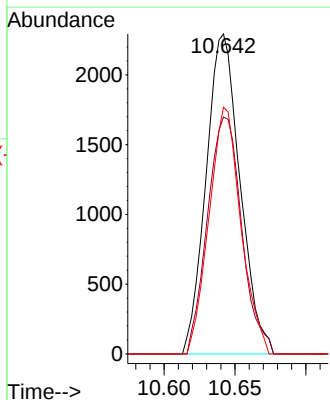
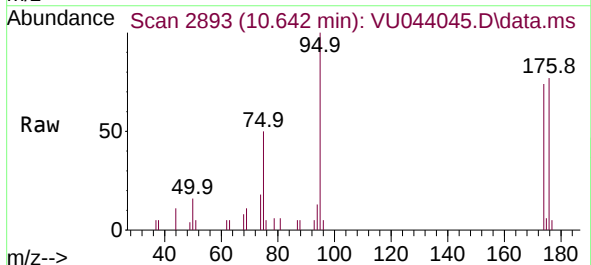


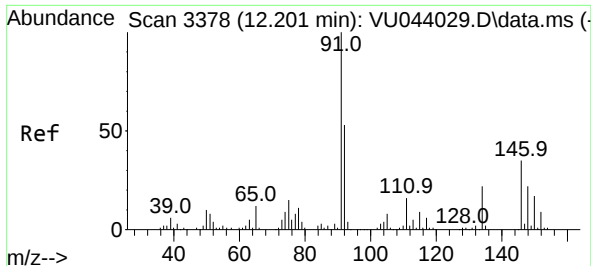
Tgt Ion:	75	Resp:	1851
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.9	92.9#
89	0.0	39.4	59.2#
88	3.3	30.6	45.8#



#57
4-Bromofluorobenzene
Concen: 0.755 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Tgt Ion:	95	Resp:	3821
Ion	Ratio	Lower	Upper
95	100		
174	74.6	59.1	88.7
176	72.2	56.4	84.6

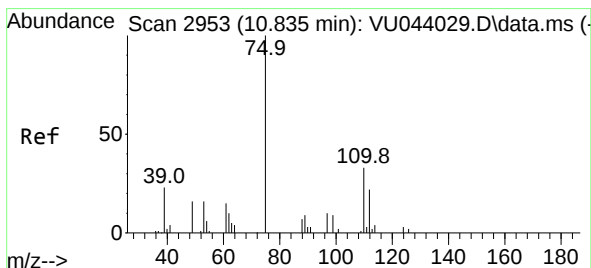
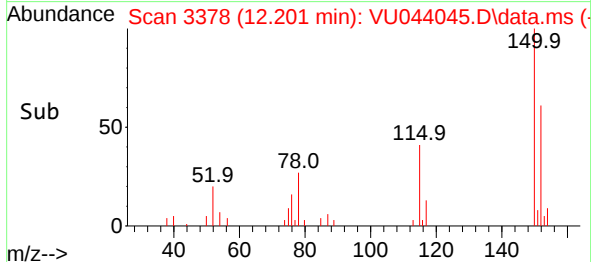
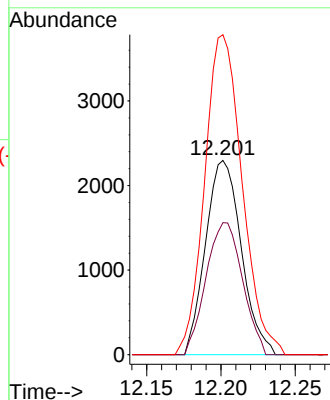
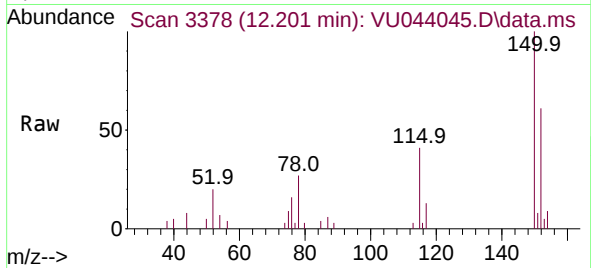




#68
1,2-Dichlorobenzene-d4
Concen: 0.713 ug/l
RT: 12.201 min Scan# 3378
Delta R.T. -0.000 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

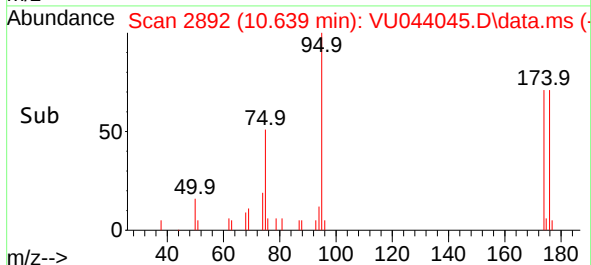
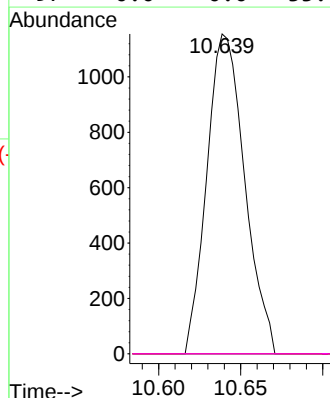
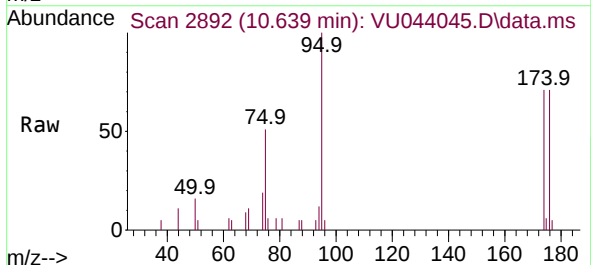
Instrument :
MSVOA_U
ClientSampled :

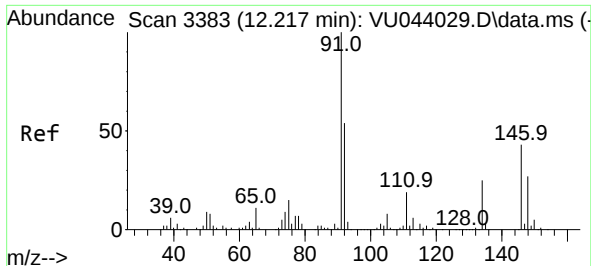
Tgt Ion:152 Resp: 3851
Ion Ratio Lower Upper
152 100
115 69.0 0.0 320.6
150 172.5 0.0 687.2



#71
1,2,3-Trichloropropane
Concen: 0.551 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.196 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Tgt Ion: 75 Resp: 1851
Ion Ratio Lower Upper
75 100
77 0.0 0.0 96.0
110 0.0 0.0 66.2
97 0.0 0.0 33.4

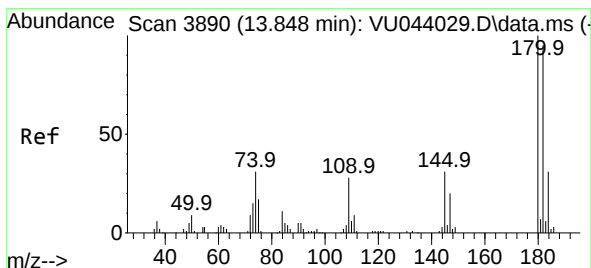
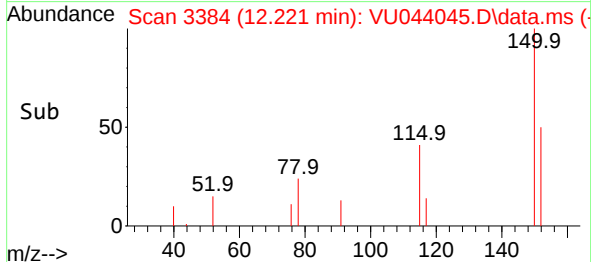
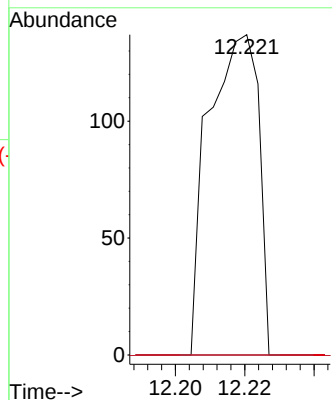
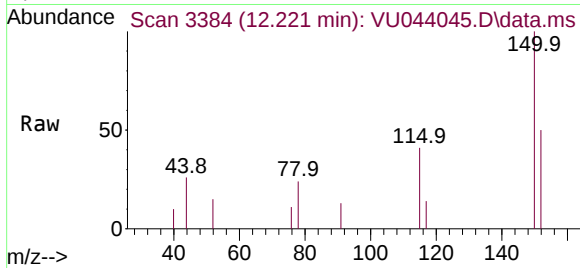




#84
n-Butylbenzene
Concen: 0.486 ug/l
RT: 12.221 min Scan# 3384
Delta R.T. 0.004 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

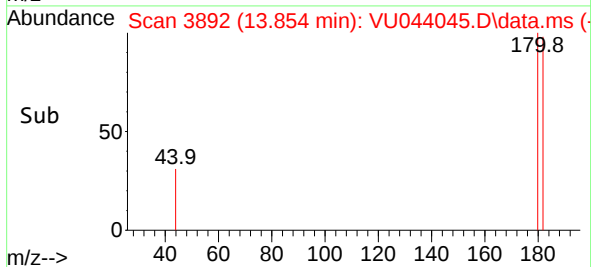
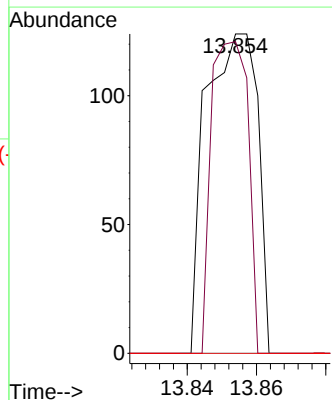
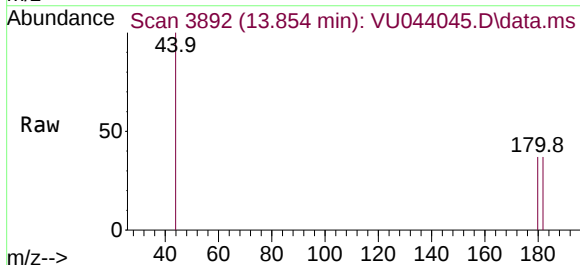
Instrument :
MSVOA_U
ClientSampled :

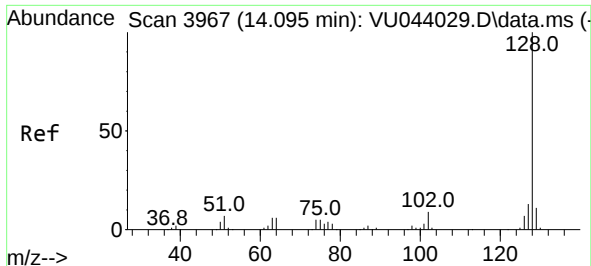
Tgt Ion: 91 Resp: 137
Ion Ratio Lower Upper
91 100
92 0.0 43.0 64.6#
134 0.0 19.3 28.9#



#87
1,2,4-Trichlorobenzene
Concen: 0.024 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.006 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

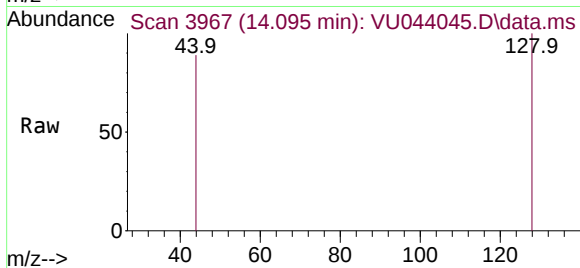
Tgt Ion: 180 Resp: 128
Ion Ratio Lower Upper
180 100
182 69.5 75.4 113.2#
145 0.0 24.7 37.1#



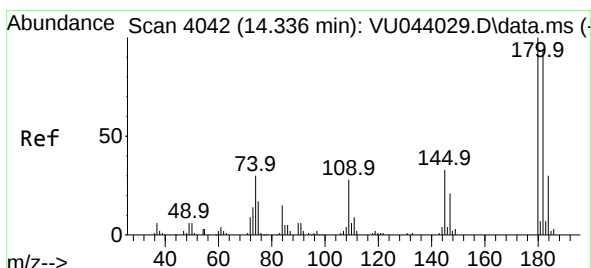
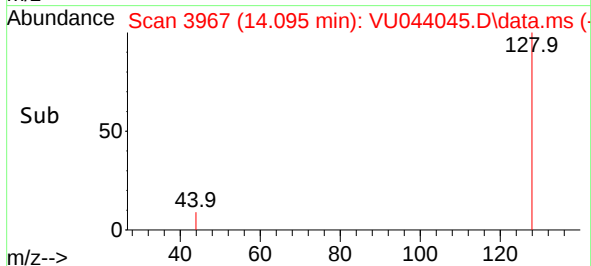
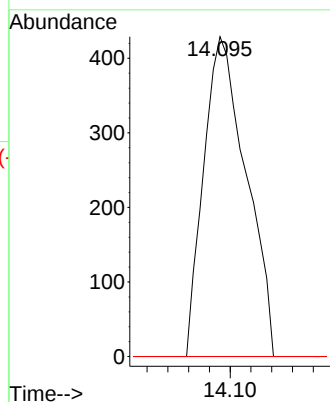


#89
Naphthalene
Concen: 1.060 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 608
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#



#90
1,2,3-Trichlorobenzene
Concen: 0.025 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. -0.000 min
Lab File: VU044045.D
Acq: 04 Jun 2021 11:21

Tgt Ion:180 Resp: 129
Ion Ratio Lower Upper
180 100
182 69.0 75.2 112.8#
145 0.0 26.9 40.3#

