

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042821\
 Data File : VU043397.D
 Acq On : 28 Apr 2021 19:32
 Operator : SY/MD
 Sample : M2208-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 29 08:42:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

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

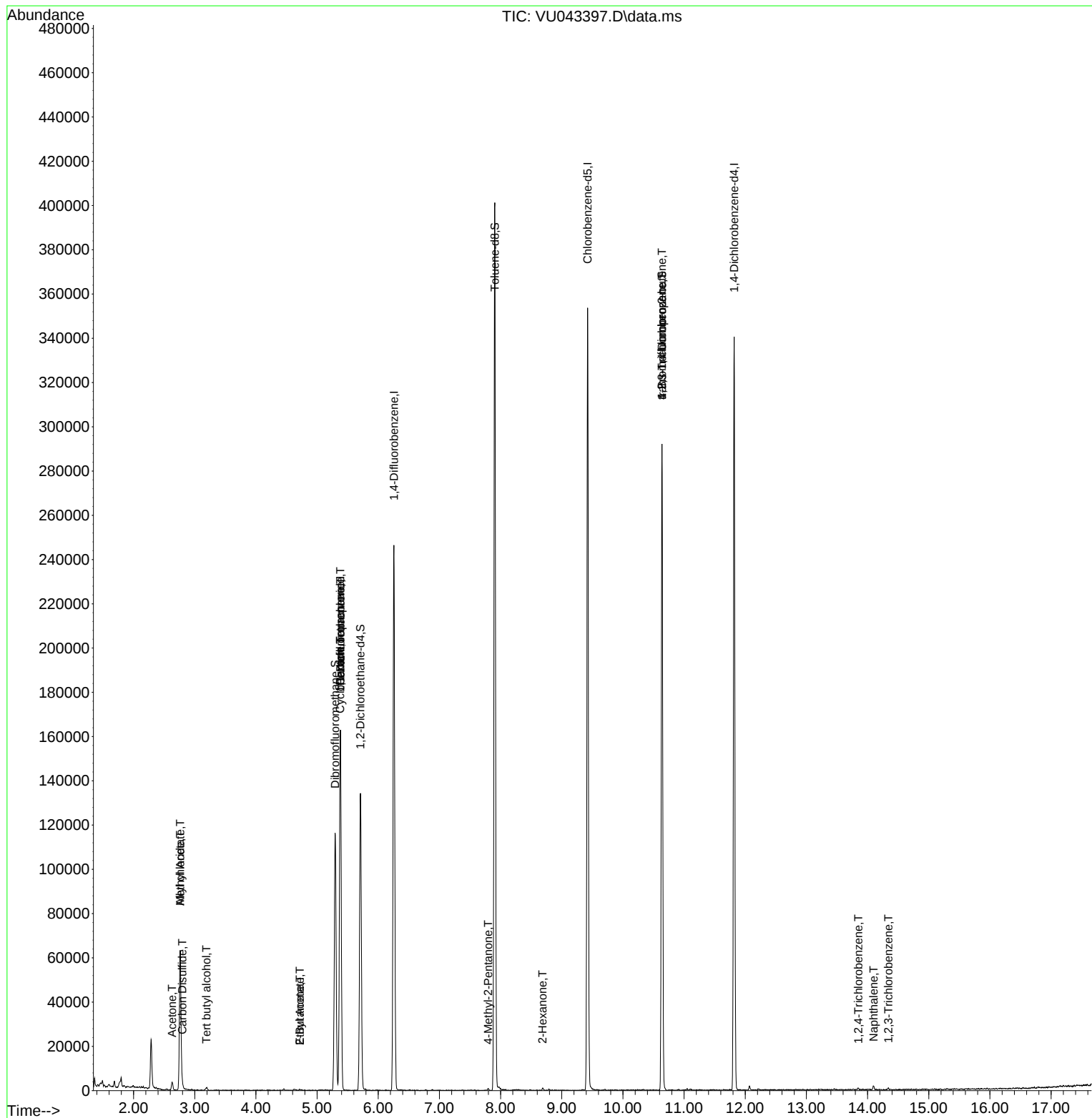
Internal Standards						
1) Pentafluorobenzene	5.382	168	108008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	180241	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	174526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	82158	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	101968	56.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.32%	
35) Dibromofluoromethane	5.295	113	71116	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
50) Toluene-d8	7.906	98	245270	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	10.639	95	84782	44.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	611	Below Cal	#	86
11) Tert butyl alcohol	3.192	59	956	2.04 ug/l	#	94
14) Allyl chloride	2.761	41	7172	2.92 ug/l	#	69
16) Acetone	2.630	43	4174	3.61 ug/l	#	97
17) Carbon Disulfide	2.797	76	1410	0.45 ug/l	#	94
18) Methyl Acetate	2.761	43	18000	7.93 ug/l	#	55
25) 2-Butanone	4.716	43	811	0.49 ug/l	#	54
31) Cyclohexane	5.375	56	2766	1.23 ug/l	#	34
36) 1,1-Dichloropropene	5.379	75	9173	4.80 ug/l	#	50
37) Ethyl Acetate	4.716	43	811	0.25 ug/l	#	71
38) Carbon Tetrachloride	5.382	117	10656	5.20 ug/l	#	18
51) 4-Methyl-2-Pentanone	7.797	43	775	0.22 ug/l	#	59
59) 2-Hexanone	8.687	43	847	0.30 ug/l	#	91
76) 1,2,3-Trichloropropane	10.639	75	49273	20.52 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	10.639	75	49273	60.31 ug/l	#	7
93) 1,2,4-Trichlorobenzene	13.848	180	416	1.72 ug/l	#	74
95) Naphthalene	14.099	128	1825	3.03 ug/l	#	91
96) 1,2,3-Trichlorobenzene	14.340	180	445	1.70 ug/l	#	57

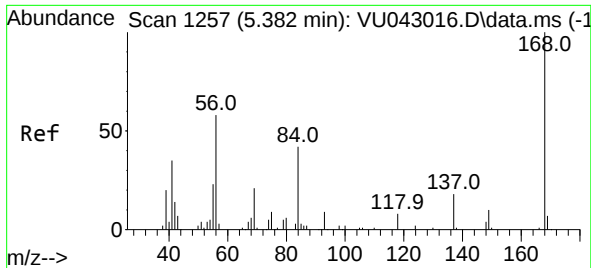
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 29 08:42:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 12 13:17:29 2021
Response via : Initial Calibration

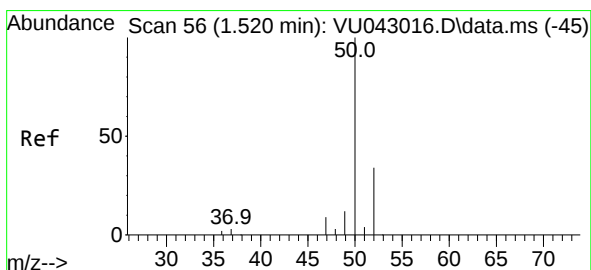
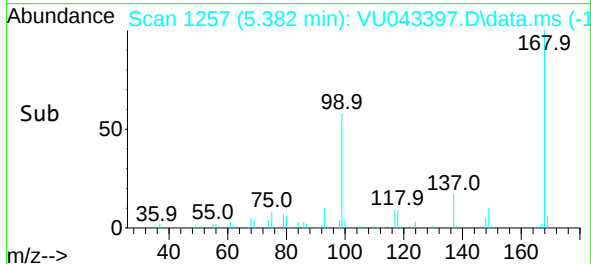
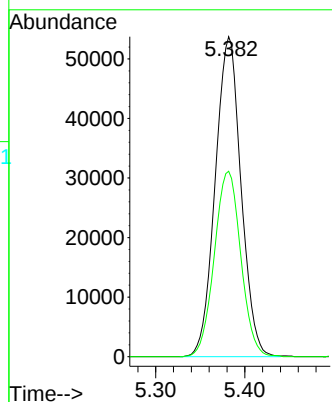
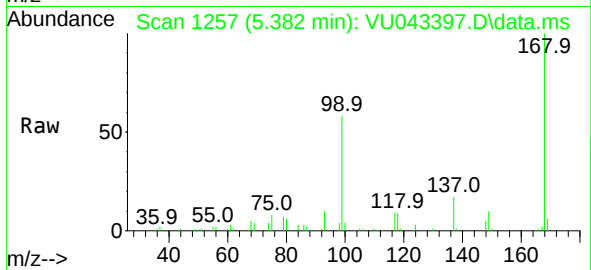




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

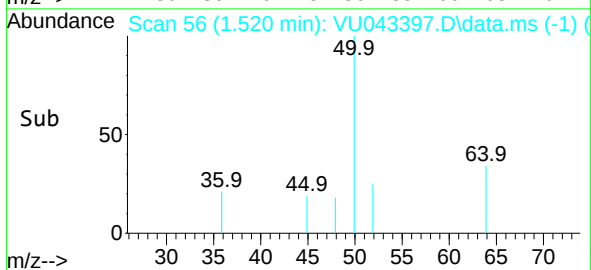
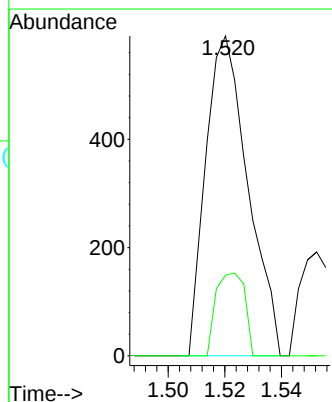
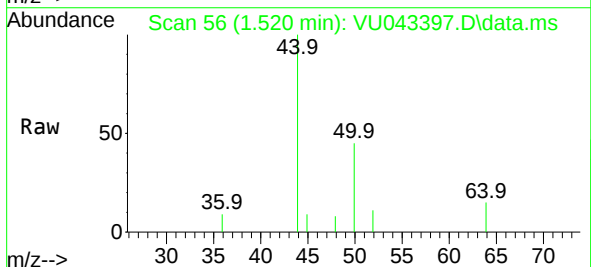
Instrument :
MSVOA_U
ClientSampled :

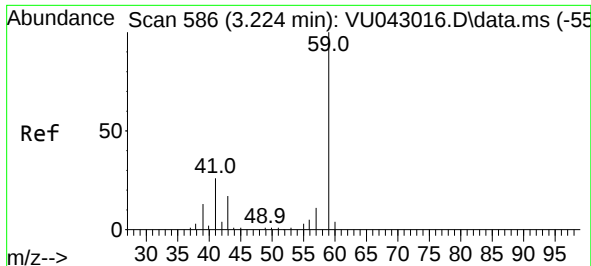
Tgt Ion:168 Resp: 108008
Ion Ratio Lower Upper
168 100
99 58.0 45.0 67.4



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Tgt Ion: 50 Resp: 611
Ion Ratio Lower Upper
50 100
52 25.2 26.6 40.0#

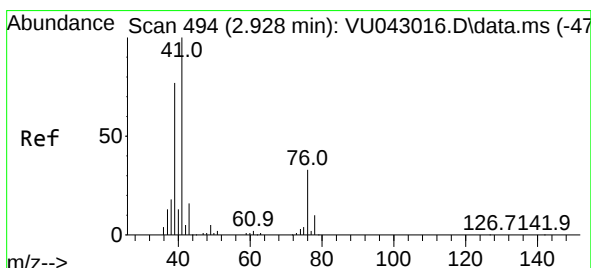
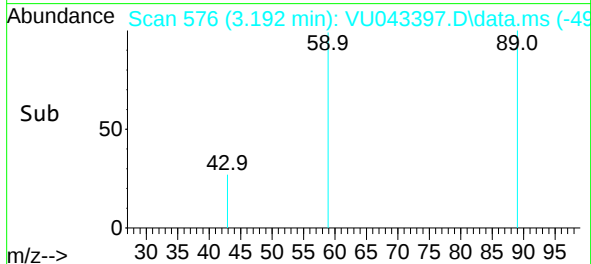
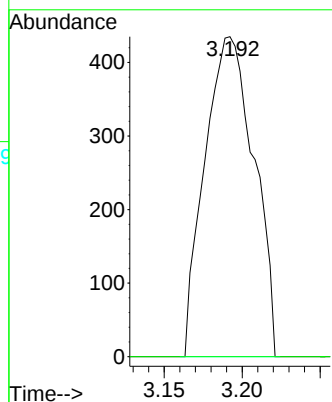
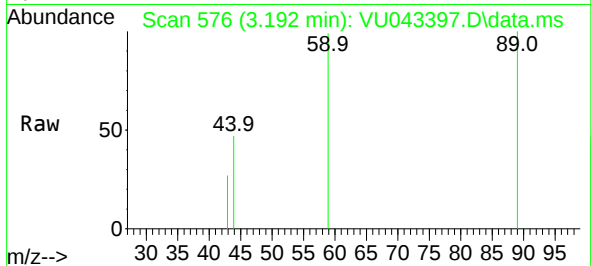




#11
Tert butyl alcohol
Concen: 2.04 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.032 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

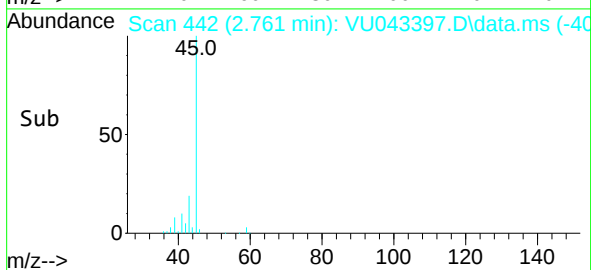
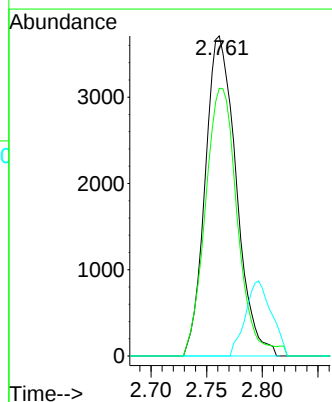
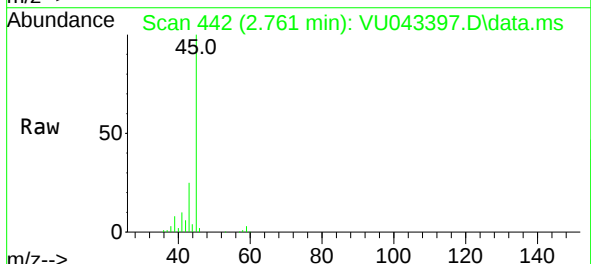
Instrument :
MSVOA_U
ClientSampled :

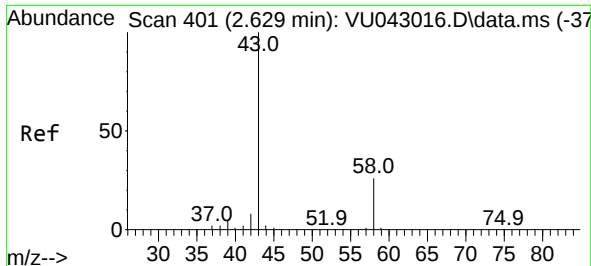
Tgt Ion: 59 Resp: 956
Ion Ratio Lower Upper
59 100
57 0.0 1.6 2.4#



#14
Allyl chloride
Concen: 2.92 ug/l
RT: 2.761 min Scan# 442
Delta R.T. -0.167 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Tgt Ion: 41 Resp: 7172
Ion Ratio Lower Upper
41 100
39 86.6 54.9 82.3#
76 0.0 22.5 33.7#

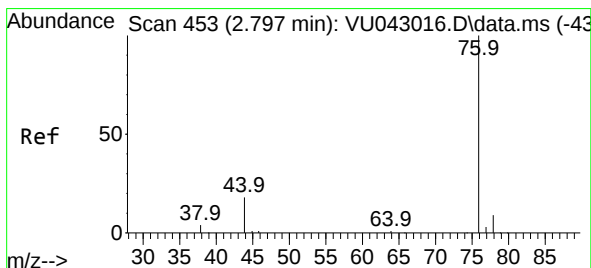
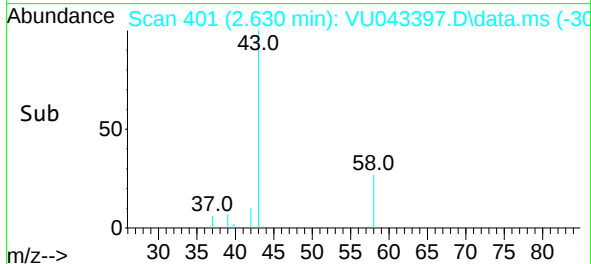
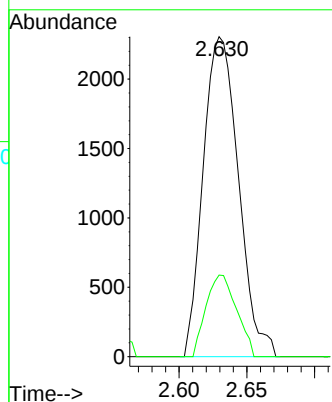
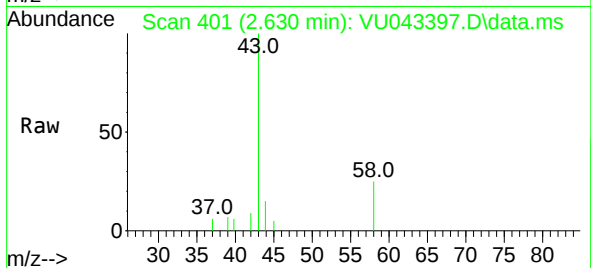




#16
Acetone
Concen: 3.61 ug/l
RT: 2.630 min Scan# 401
Delta R.T. 0.001 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

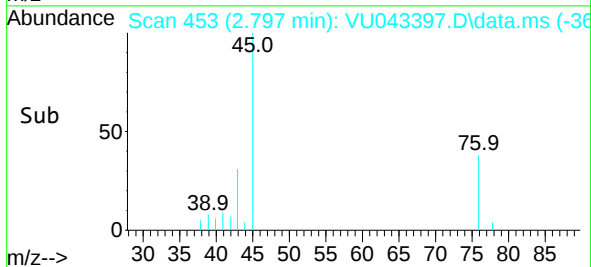
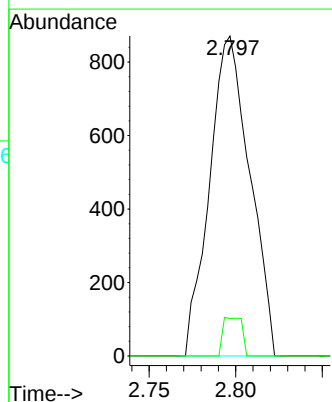
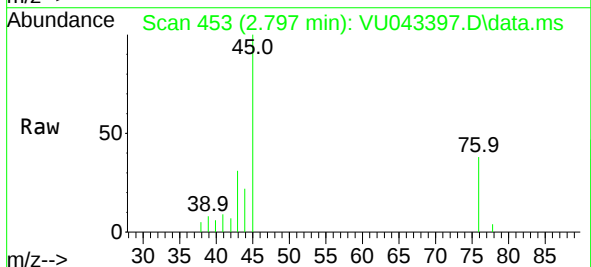
Instrument :
MSVOA_U
ClientSampled :

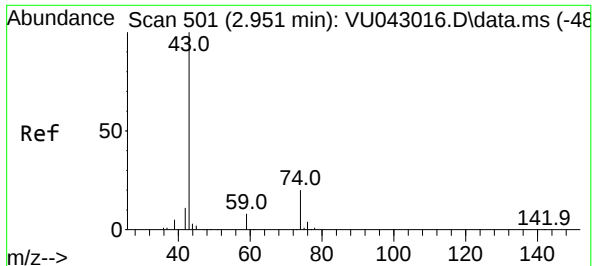
Tgt Ion: 43 Resp: 4174
Ion Ratio Lower Upper
43 100
58 25.5 21.5 32.3



#17
Carbon Disulfide
Concen: 0.45 ug/l
RT: 2.797 min Scan# 453
Delta R.T. -0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

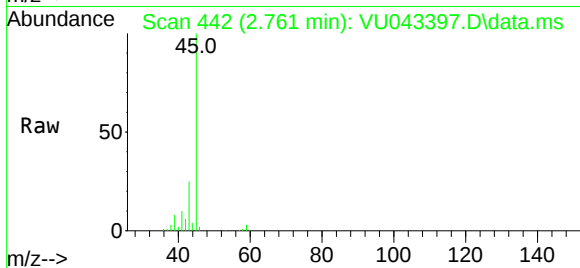
Tgt Ion: 76 Resp: 1410
Ion Ratio Lower Upper
76 100
78 11.7 7.5 11.3#



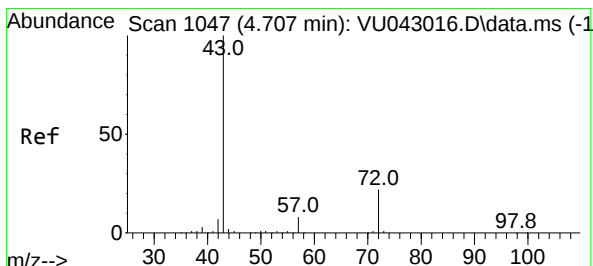
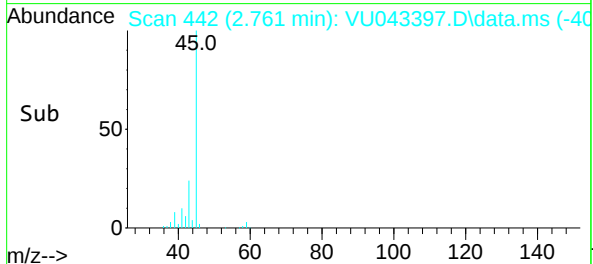
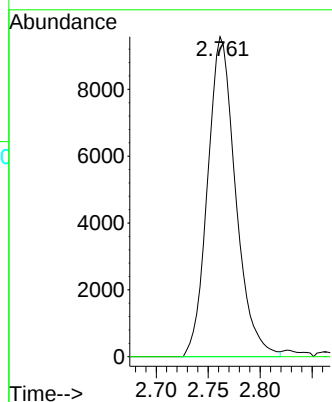


#18
Methyl Acetate
Concen: 7.93 ug/l
RT: 2.761 min Scan# 442
Delta R.T. -0.190 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Instrument :
MSVOA_U
ClientSampled :

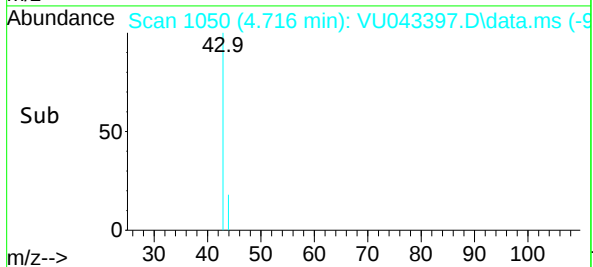
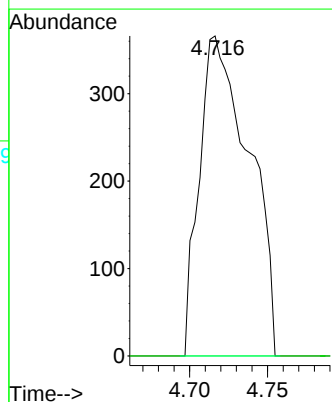
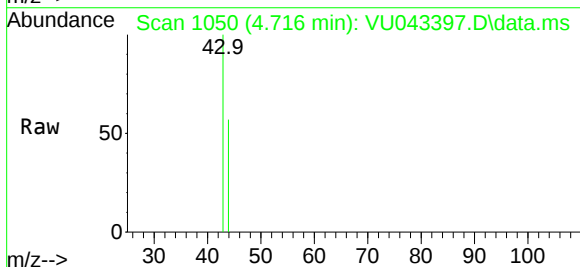


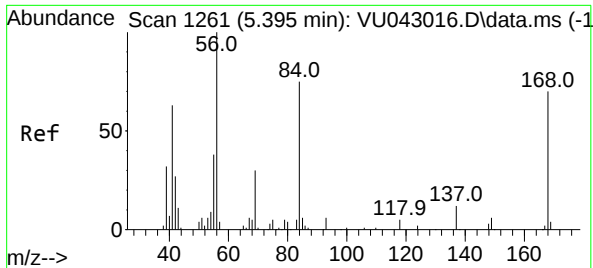
Tgt Ion: 43 Resp: 18000
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#25
2-Butanone
Concen: 0.49 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.009 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

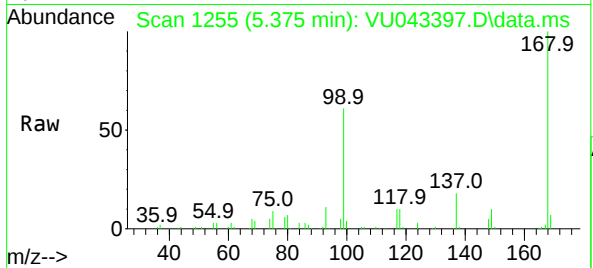
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.0#



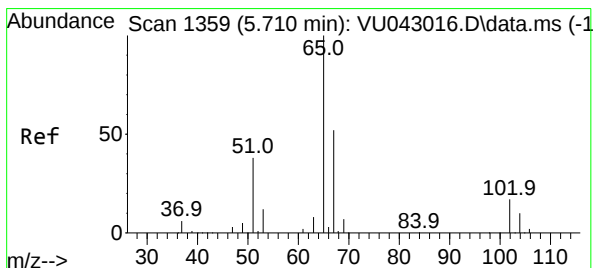
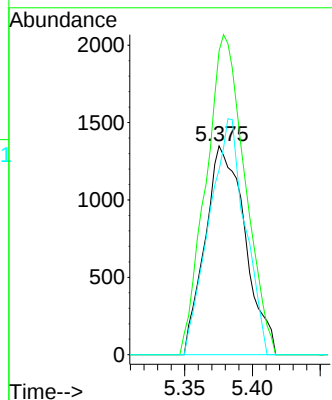
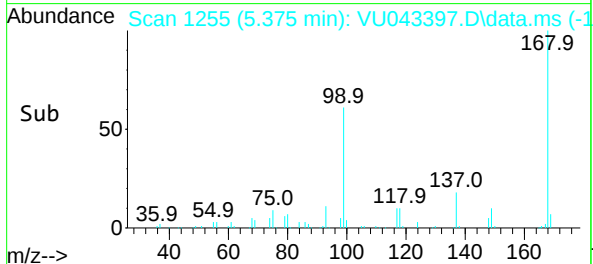


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.020 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

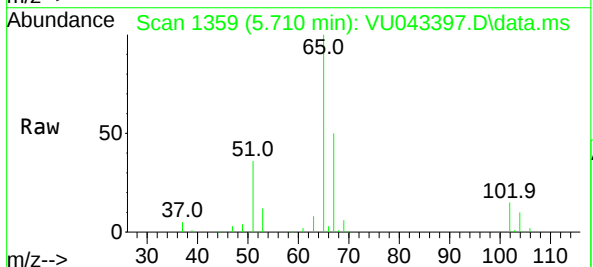
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MSVOA_U
ClientSampleId :



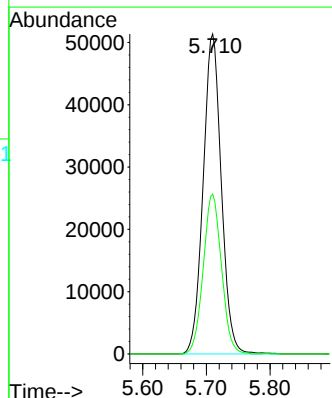
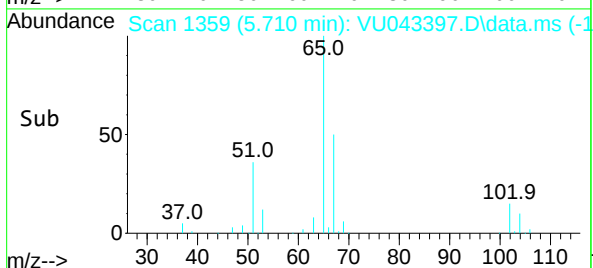
Tgt Ion: 56 Resp: 2766
Ion Ratio Lower Upper
56 100
69 145.6 24.9 37.3#
84 88.5 63.7 95.5

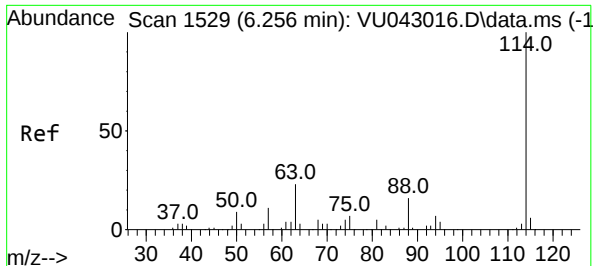


#33
1,2-Dichloroethane-d4
Concen: 56.16 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32



Tgt Ion: 65 Resp: 101968
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.8

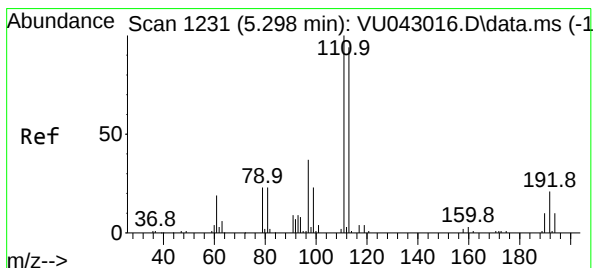
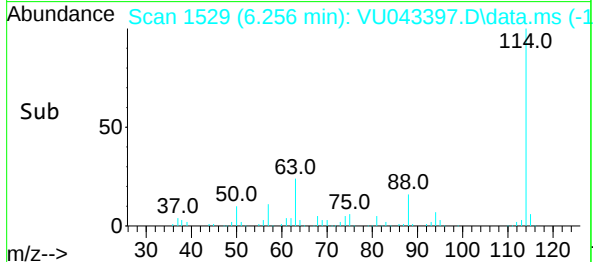
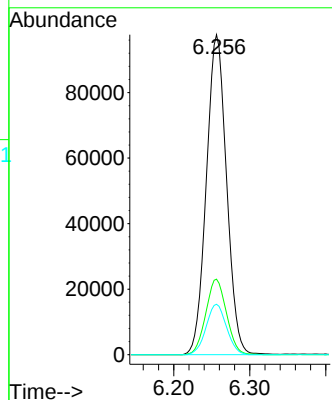
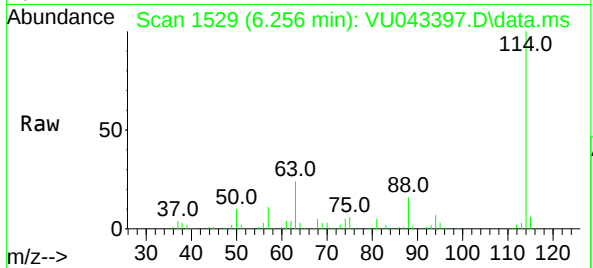




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

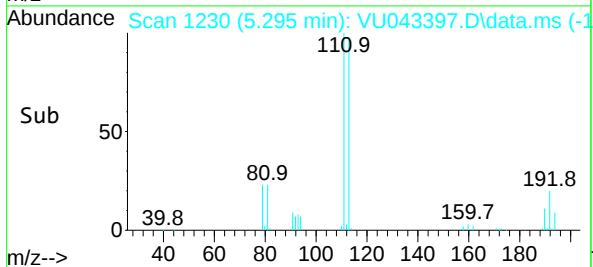
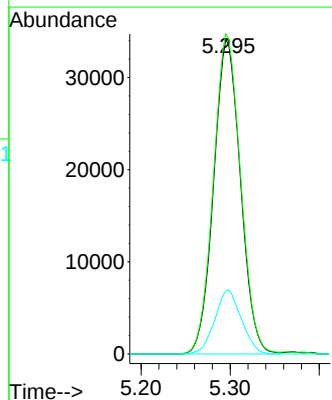
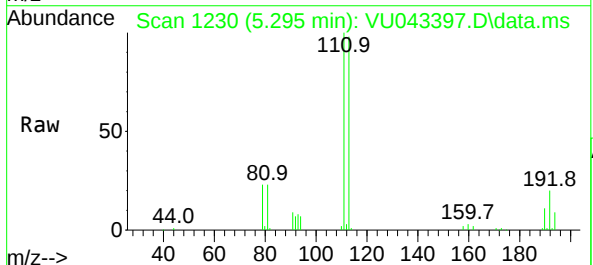
Instrument :
MSVOA_U
ClientSampled :

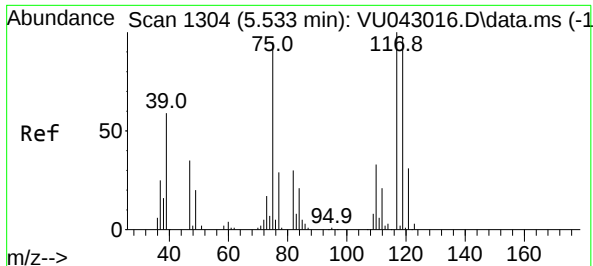
Tgt Ion:114 Resp: 180241
Ion Ratio Lower Upper
114 100
63 23.6 0.0 44.2
88 15.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 52.51 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. -0.003 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Tgt Ion:113 Resp: 71116
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 20.2 17.2 25.8

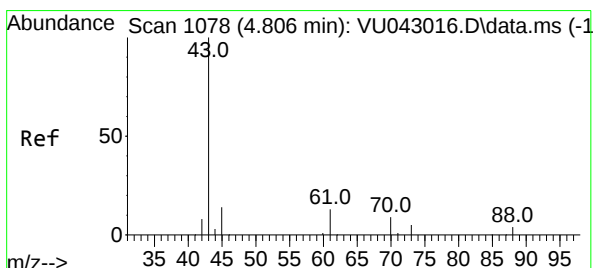
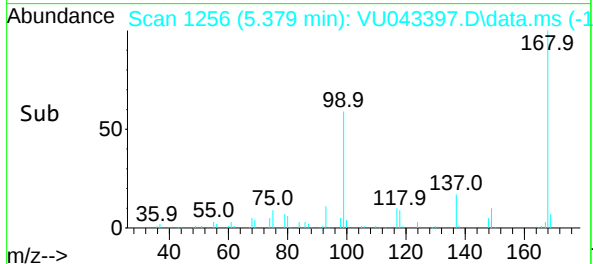
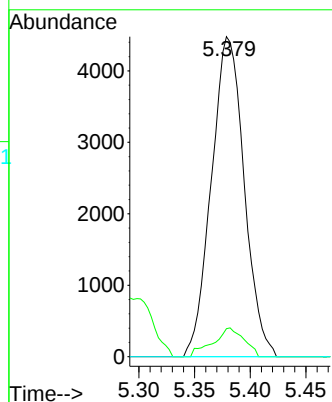
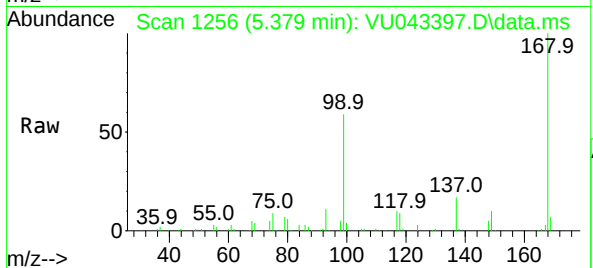




#36
1,1-Dichloropropene
Concen: 4.80 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

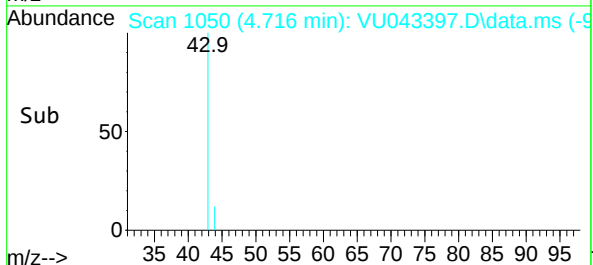
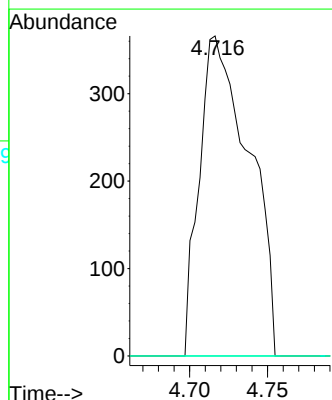
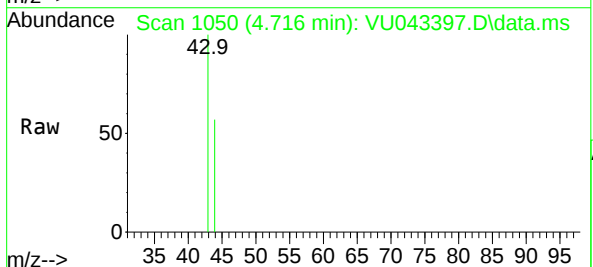
Instrument :
MSVOA_U
ClientSampled :

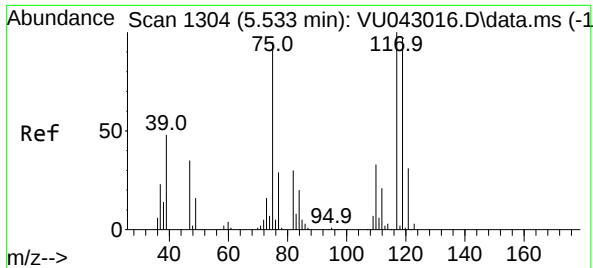
Tgt Ion: 75 Resp: 9173
Ion Ratio Lower Upper
75 100
110 8.5 16.8 50.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 0.25 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.090 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

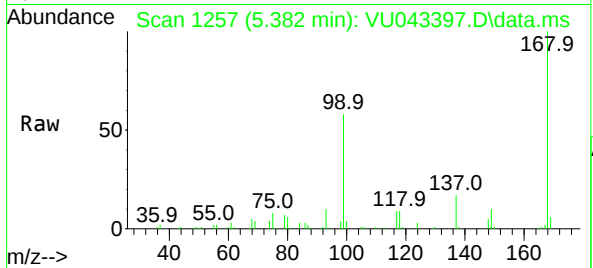
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.2 10.8#



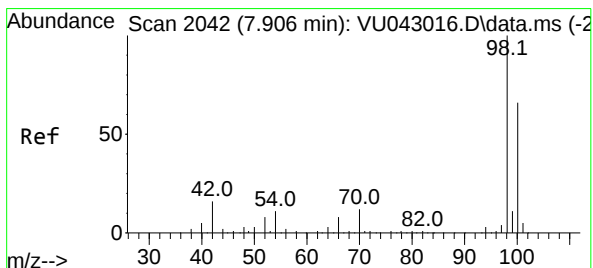
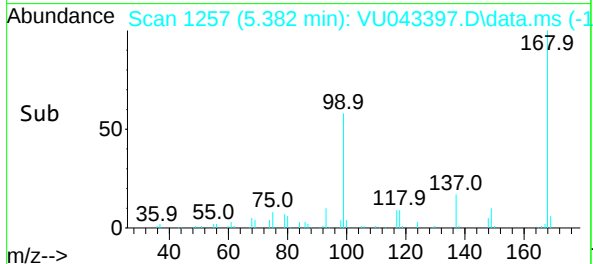
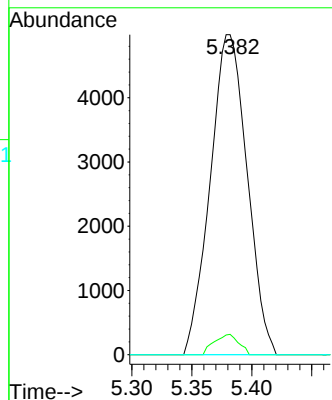


#38
Carbon Tetrachloride
Concen: 5.20 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Instrument :
MSVOA_U
ClientSampleId :

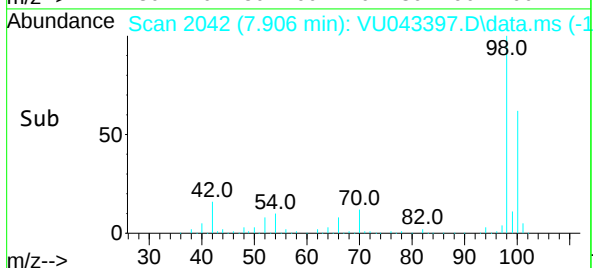
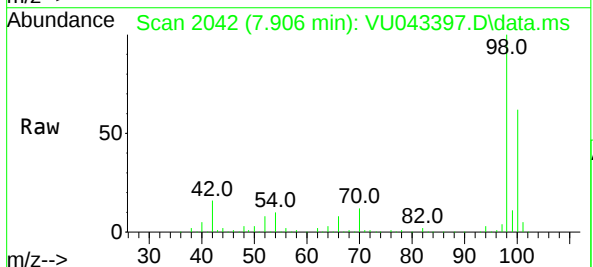
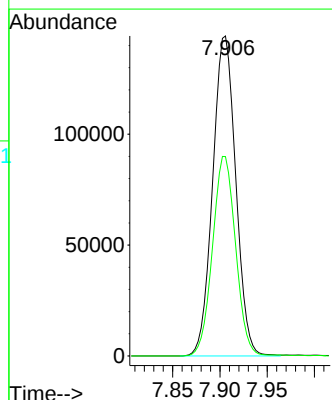


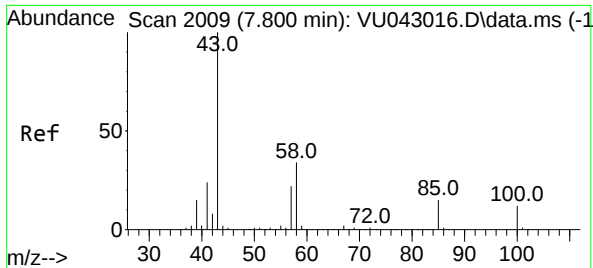
Tgt Ion:117 Resp: 10656
Ion Ratio Lower Upper
117 100
119 6.4 75.5 113.3#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.18 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Tgt Ion: 98 Resp: 245270
Ion Ratio Lower Upper
98 100
100 62.4 50.2 75.2

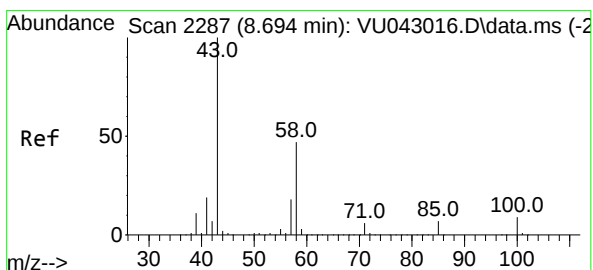
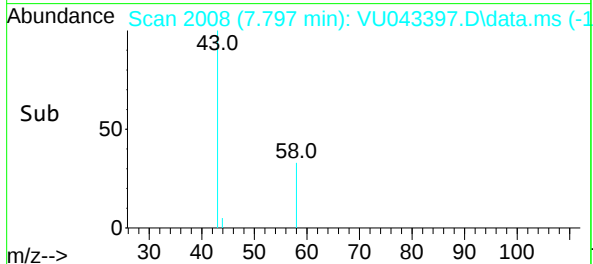
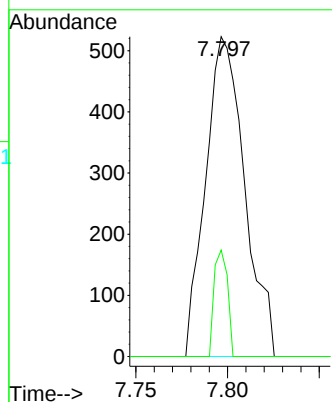
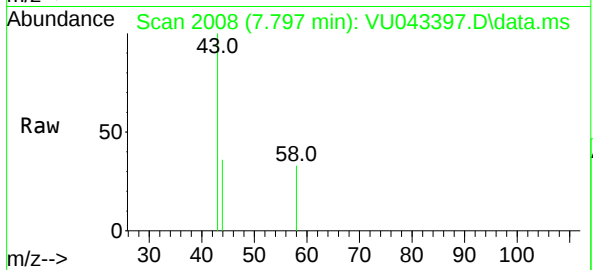




#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

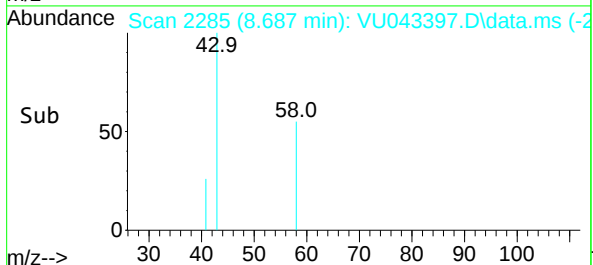
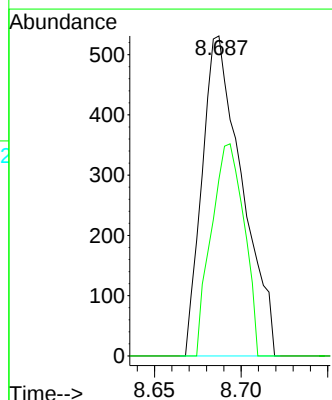
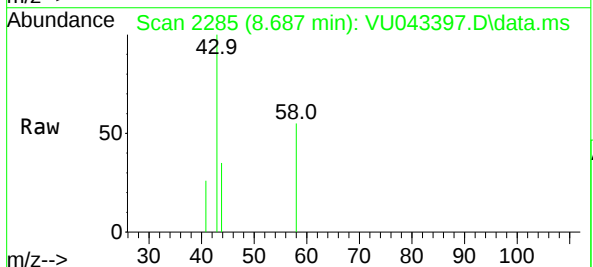
Instrument :
MSVOA_U
ClientSampled :

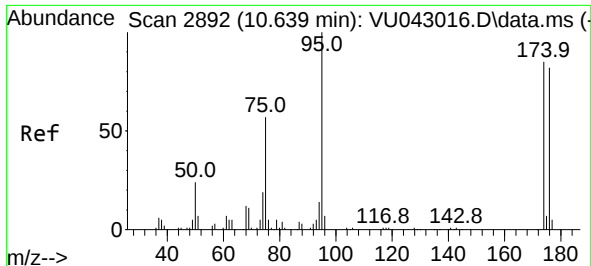
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 11.4 28.1 42.1#



#59
2-Hexanone
Concen: 0.30 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. -0.007 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
58 54.3 24.0 72.0

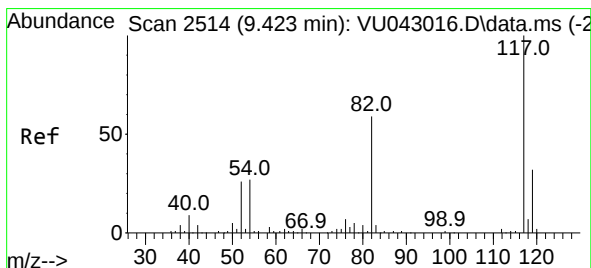
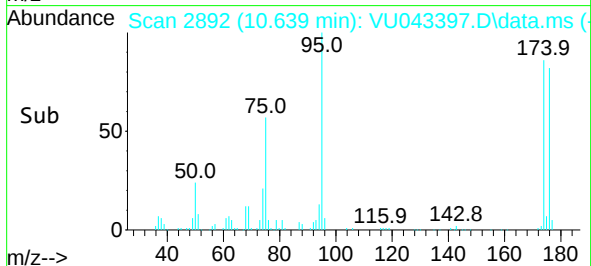
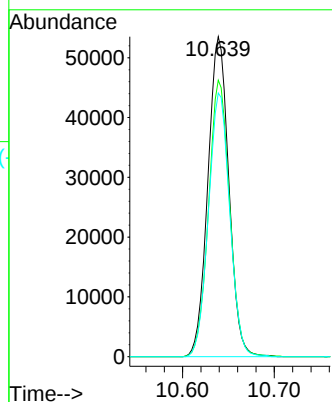
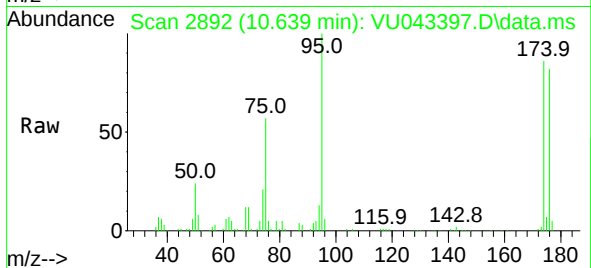




#62
4-Bromofluorobenzene
Concen: 44.18 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

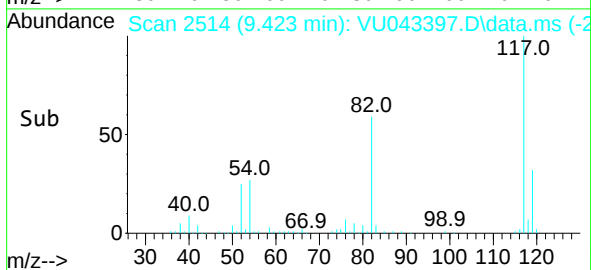
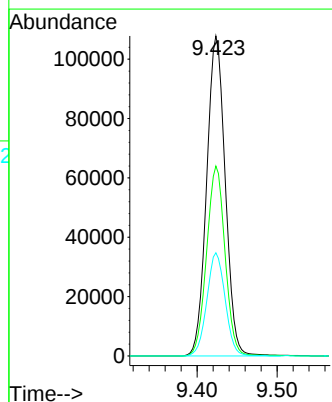
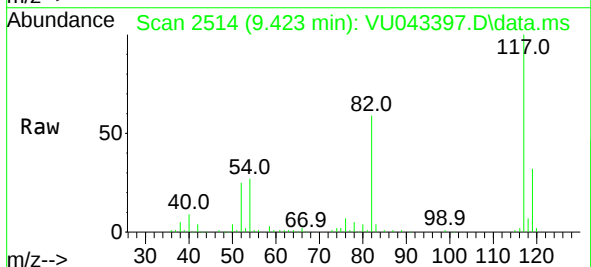
Instrument :
MSVOA_U
ClientSampleId :

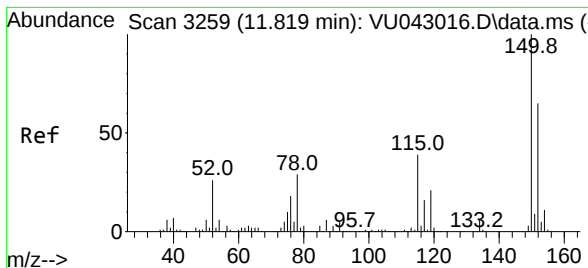
Tgt Ion: 95 Resp: 84782
Ion Ratio Lower Upper
95 100
174 86.8 0.0 172.2
176 83.6 0.0 168.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

Tgt Ion: 117 Resp: 174526
Ion Ratio Lower Upper
117 100
82 59.4 45.8 68.6
119 32.3 25.8 38.8

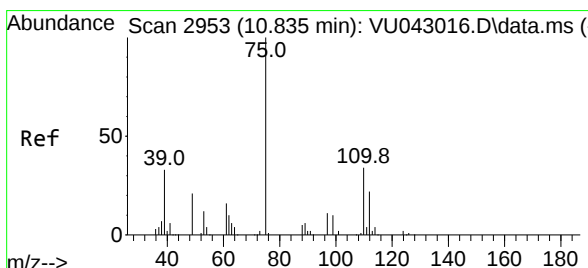
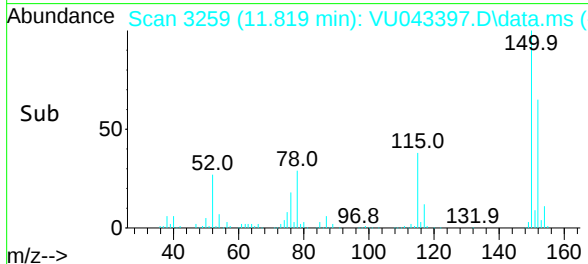
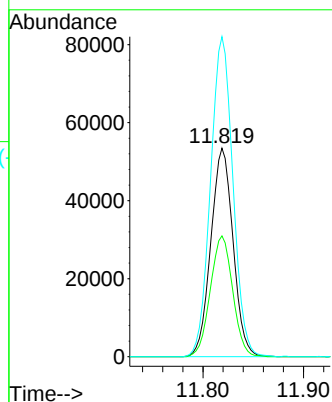
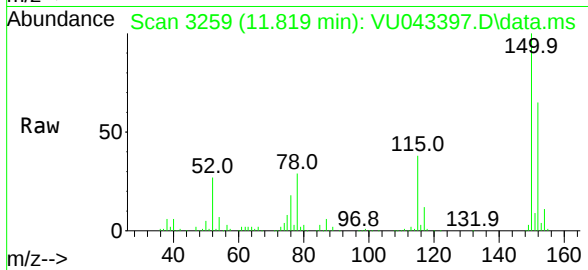




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU043397.D
 Acq: 28 Apr 2021 19:32

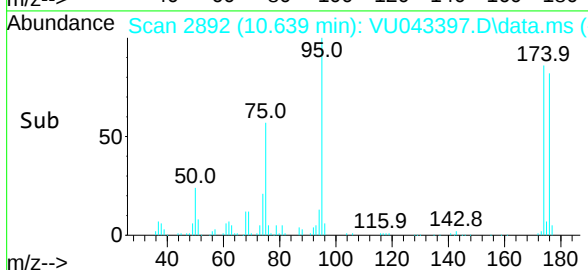
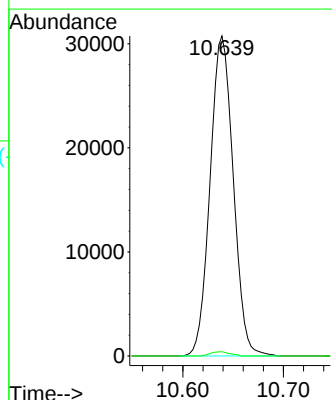
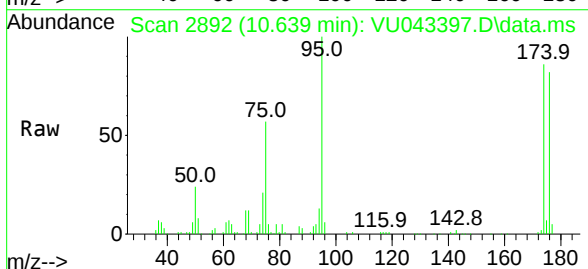
Instrument :
 MSVOA_U
 ClientSampled :

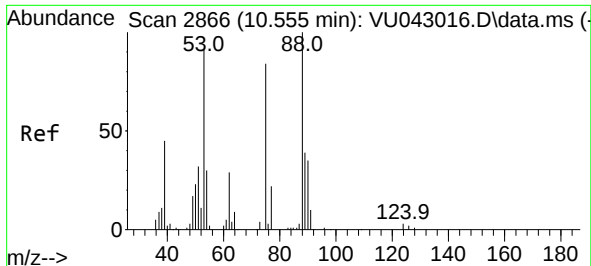
Tgt Ion:152 Resp: 82158
 Ion Ratio Lower Upper
 152 100
 115 58.2 41.5 124.6
 150 154.4 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 20.52 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.196 min
 Lab File: VU043397.D
 Acq: 28 Apr 2021 19:32

Tgt Ion: 75 Resp: 49273
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.2 60.5#

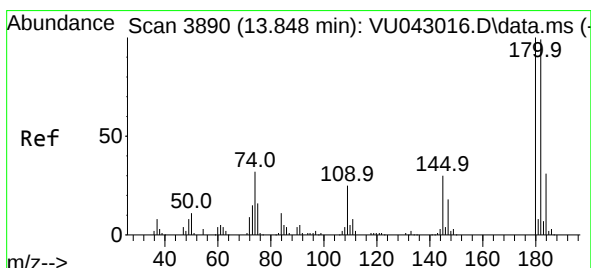
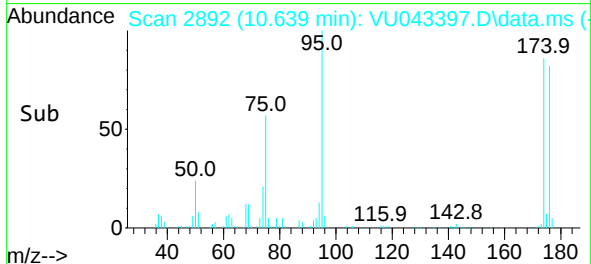
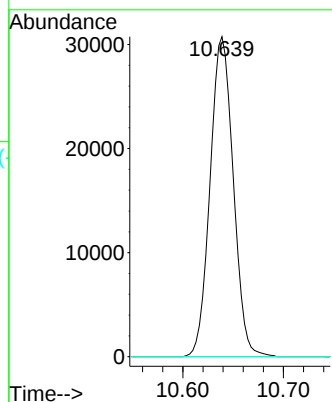
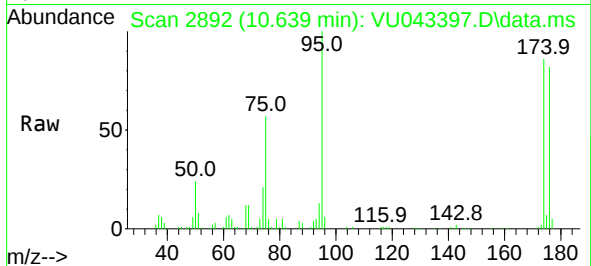




#81
trans-1,4-Dichloro-2-butene
Concen: 60.31 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.084 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

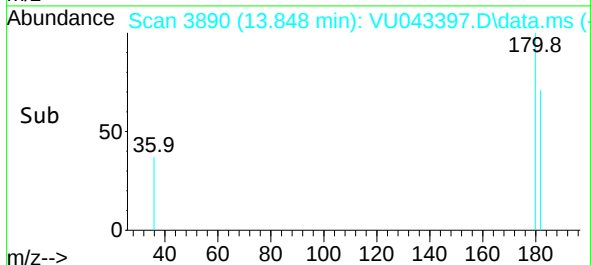
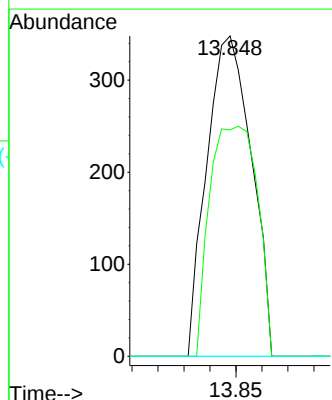
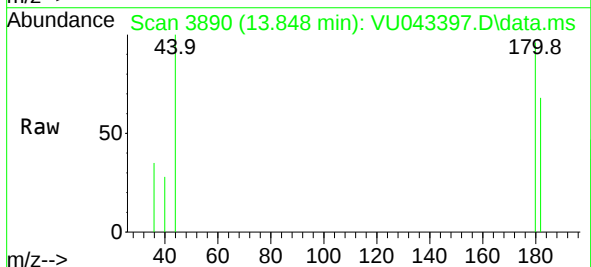
Instrument :
MSVOA_U
ClientSampleId :

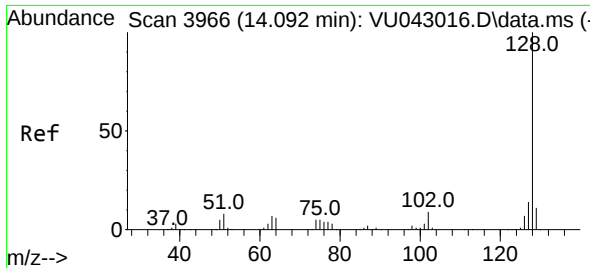
Tgt Ion: 75 Resp: 49273
Ion Ratio Lower Upper
75 100
53 0.0 85.6 128.4#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 1.72 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

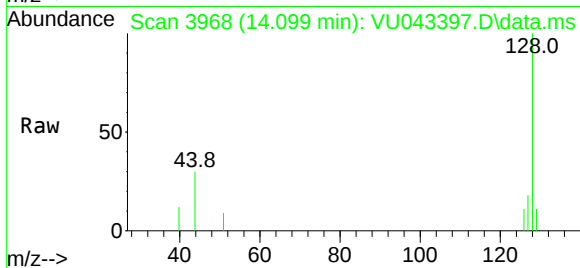
Tgt Ion:180 Resp: 416
Ion Ratio Lower Upper
180 100
182 76.7 46.9 140.8
145 0.0 14.4 43.4#



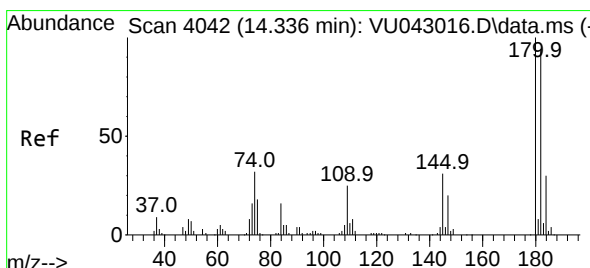
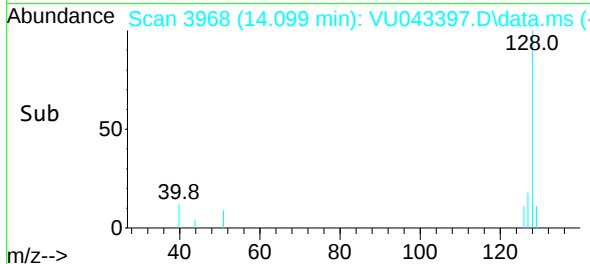
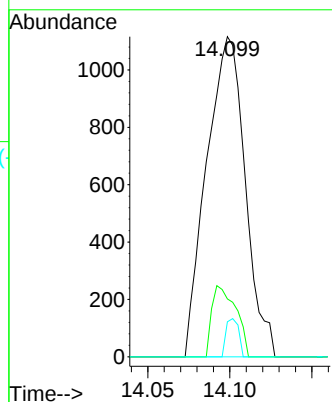


#95
Naphthalene
Concen: 3.03 ug/l
RT: 14.099 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32

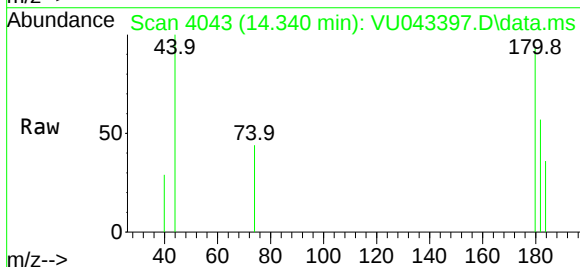
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 1825
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 3.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.70 ug/l
RT: 14.340 min Scan# 4043
Delta R.T. 0.004 min
Lab File: VU043397.D
Acq: 28 Apr 2021 19:32



Tgt Ion:180 Resp: 445
Ion Ratio Lower Upper
180 100
182 58.2 48.0 144.0
145 0.0 15.5 46.5#

