

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044168.D
 Acq On : 10 Jun 2021 20:05
 Operator : SY/MD
 Sample : M2658-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

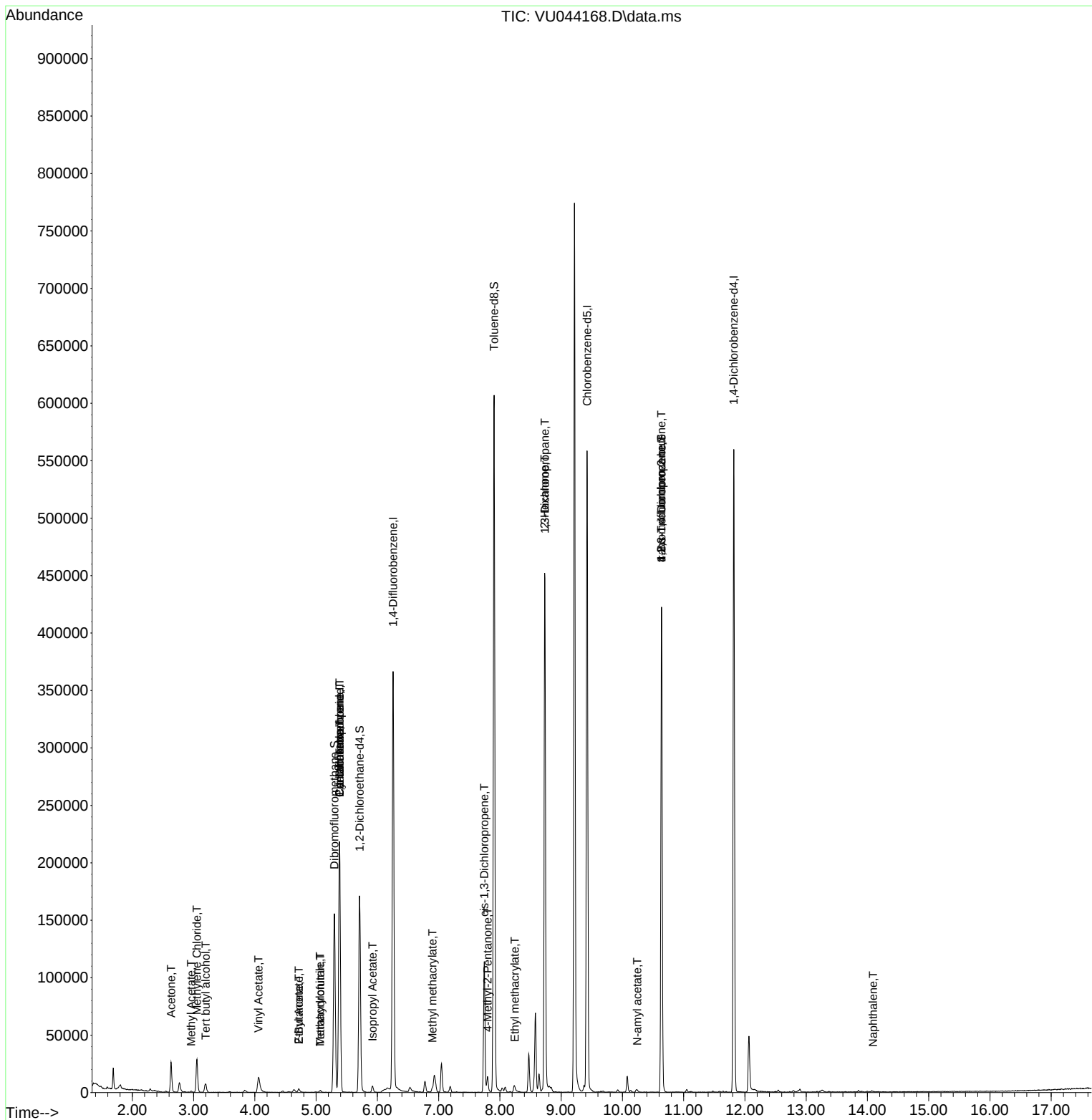
Quant Time: Jun 11 01:22:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

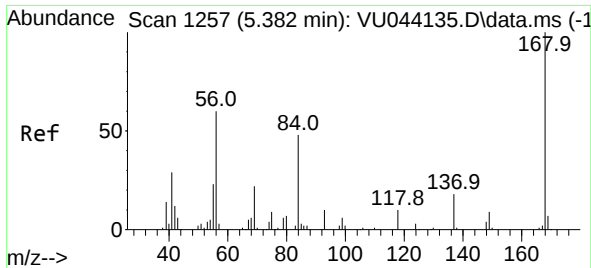
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	145914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	287284	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	303805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	144622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	124448	53.632	ug/l	0.00
Spiked Amount	50.000		Recovery	= 107.260%		
35) Dibromofluoromethane	5.298	113	100491	50.285	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.580%		
50) Toluene-d8	7.906	98	391652	51.030	ug/l	0.00
Spiked Amount	50.000		Recovery	= 102.060%		
62) 4-Bromofluorobenzene	10.639	95	144193	46.881	ug/l	0.00
Spiked Amount	50.000		Recovery	= 93.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	427	Below Cal		92
6) Chloroethane	1.935	64	109	Below Cal	#	42
11) Tert butyl alcohol	3.199	59	5113	8.191	ug/l #	73
16) Acetone	2.633	43	27647	21.115	ug/l	98
18) Methyl Acetate	2.961	43	1427	0.478	ug/l #	88
20) Methylene Chloride	3.054	84	13674	5.472	ug/l	97
23) Vinyl Acetate	4.060	43	2003	0.366	ug/l #	71
25) 2-Butanone	4.716	43	4734	2.444	ug/l	100
29) Tetrahydrofuran	5.070	42	1093	1.038	ug/l #	90
31) Cyclohexane	5.382	56	3205	0.979	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	12716	3.978	ug/l #	49
37) Ethyl Acetate	4.716	43	4734	1.237	ug/l #	67
38) Carbon Tetrachloride	5.382	117	15209	5.271	ug/l #	17
41) Methacrylonitrile	5.063	41	716	0.365	ug/l #	26
43) Isopropyl Acetate	5.922	43	5868	1.081	ug/l	93
48) Methyl methacrylate	6.899	41	6091	2.305	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	8933	2.273	ug/l	93
54) cis-1,3-Dichloropropene	7.745	75	20146	5.230	ug/l #	65
56) Ethyl methacrylate	8.243	69	1222	0.339	ug/l #	45
57) 1,3-Dichloropropane	8.735	76	4704	1.124	ug/l #	42
59) 2-Hexanone	8.732	43	55842	17.803	ug/l #	50
74) N-amyl acetate	10.243	43	1522	0.350	ug/l #	39
76) 1,2,3-Trichloropropane	10.639	75	73079	15.071	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	73079	54.633	ug/l #	13
95) Naphthalene	14.092	128	324	2.866	ug/l #	69

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

Quant Time: Jun 11 01:22:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

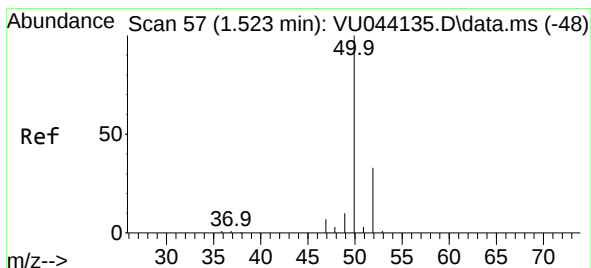
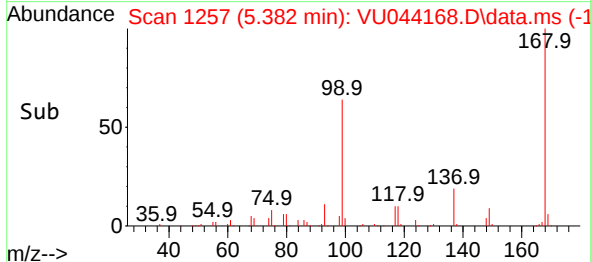
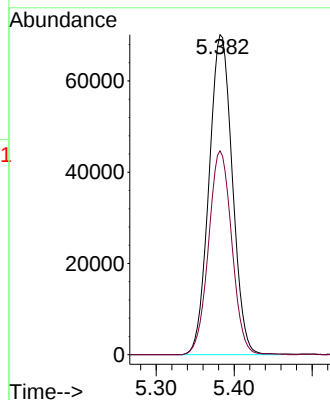
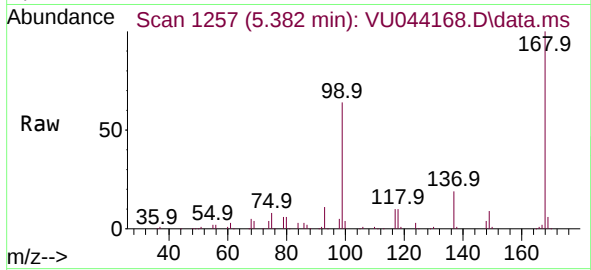




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

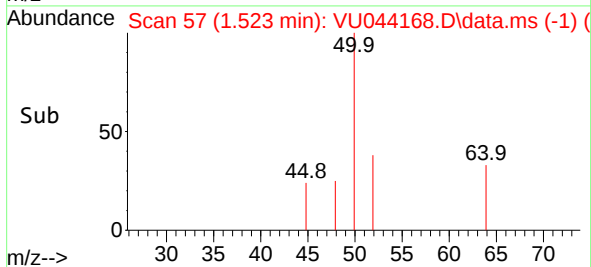
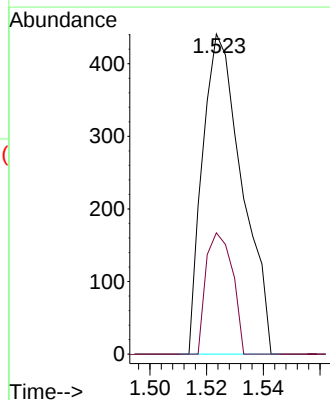
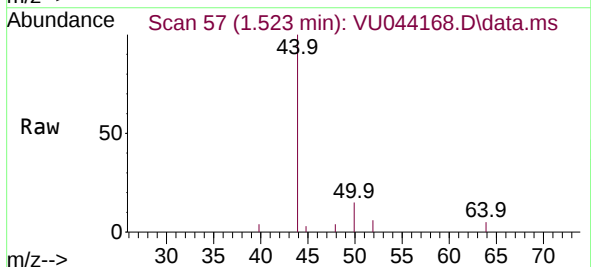
Instrument :
MSVOA_U
ClientSampled :

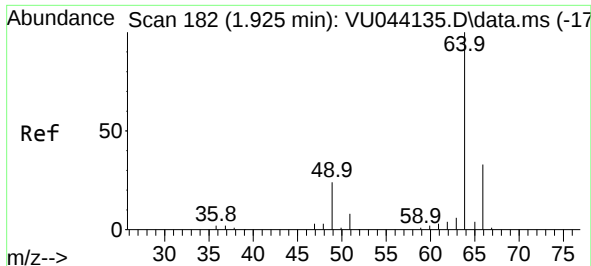
Tgt Ion:168 Resp: 145914
Ion Ratio Lower Upper
168 100
99 63.7 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 37.9 26.6 39.8

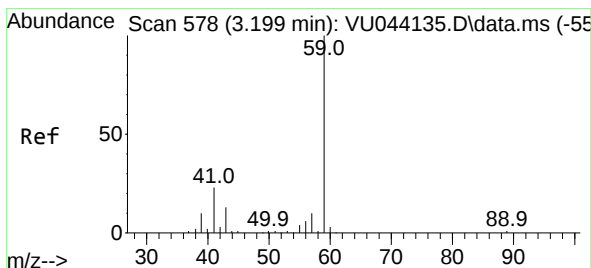
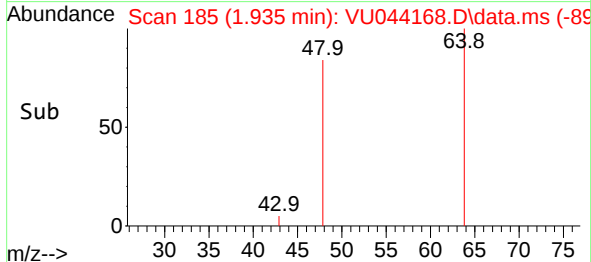
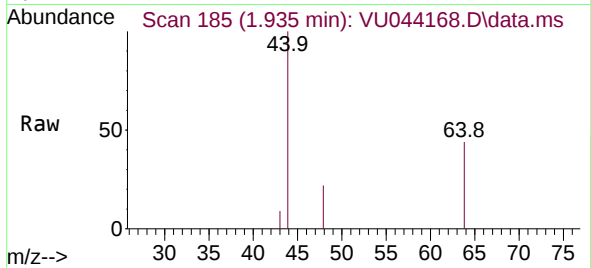




#6
Chloroethane
Concen: Below Cal
RT: 1.935 min Scan# 185
Delta R.T. 0.010 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

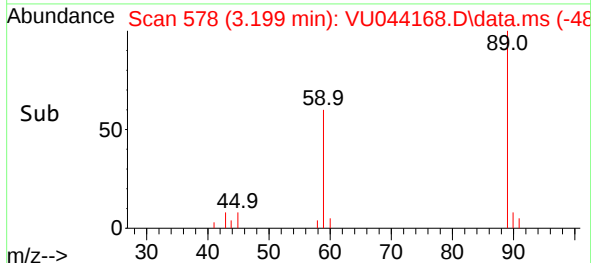
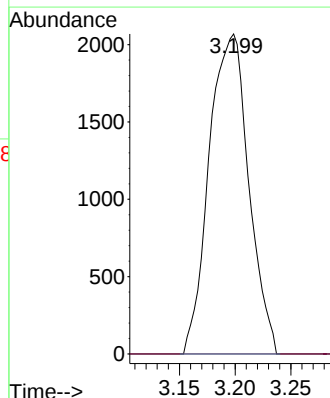
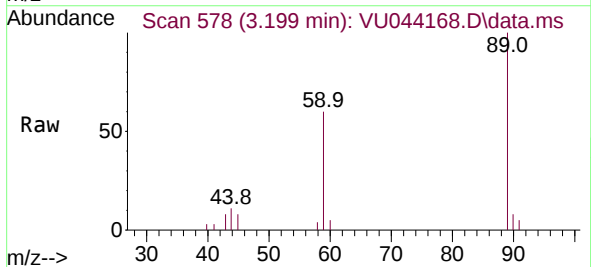
Instrument :
MSVOA_U
ClientSampled :

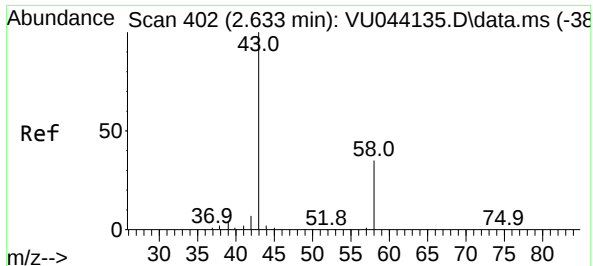
Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 8.191 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 59 Resp: 5113
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

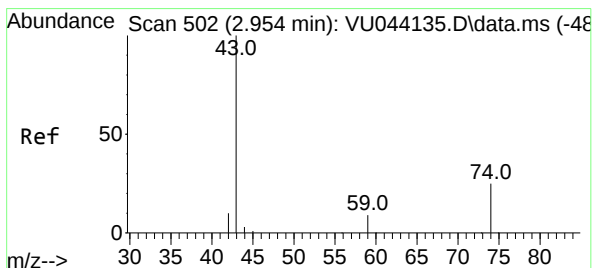
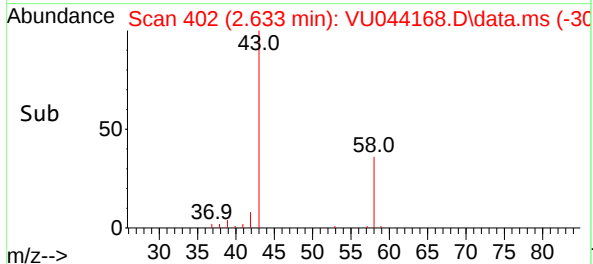
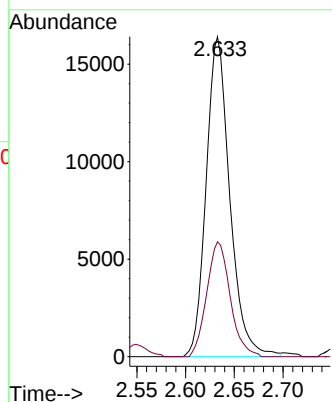
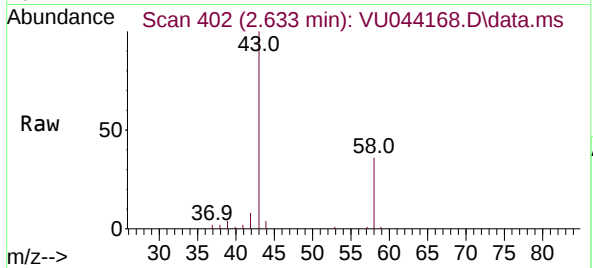




#16
Acetone
Concen: 21.115 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

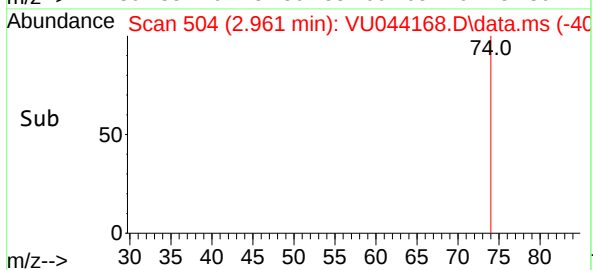
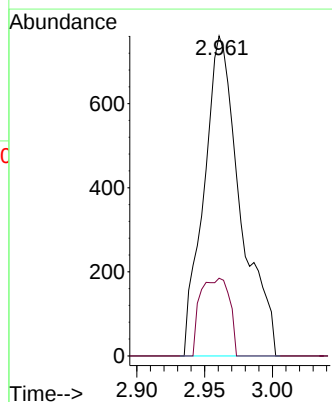
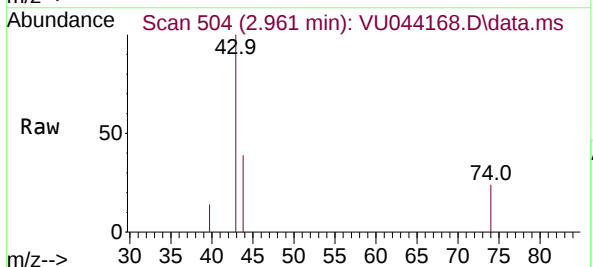
Instrument :
MSVOA_U
ClientSampled :

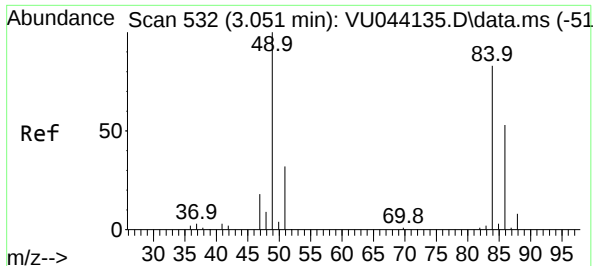
Tgt Ion: 43 Resp: 27647
Ion Ratio Lower Upper
43 100
58 35.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.478 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

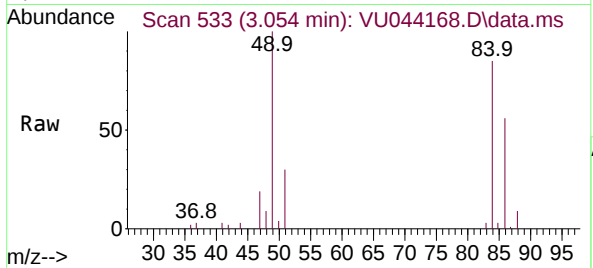
Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
74 19.3 20.3 30.5#



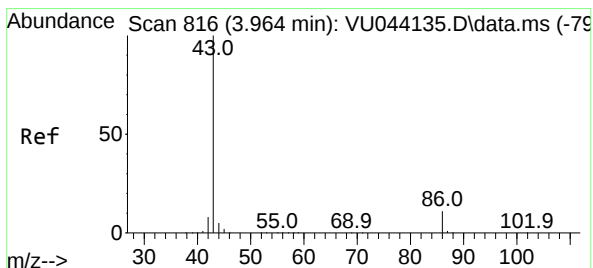
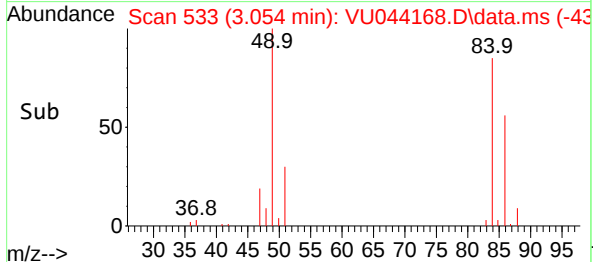
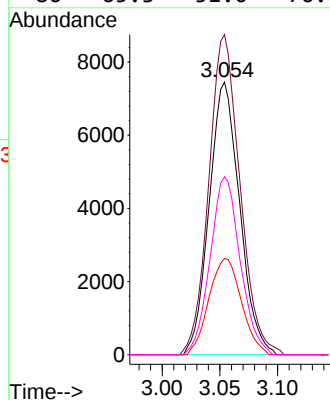


#20
Methylene Chloride
Concen: 5.472 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Instrument :
MSVOA_U
ClientSampled :

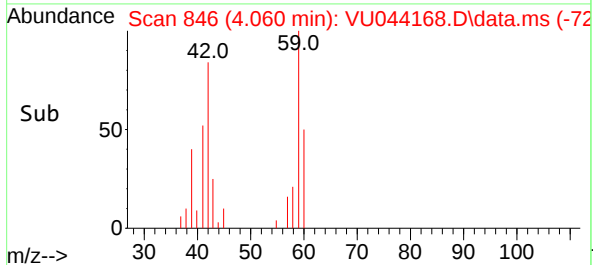
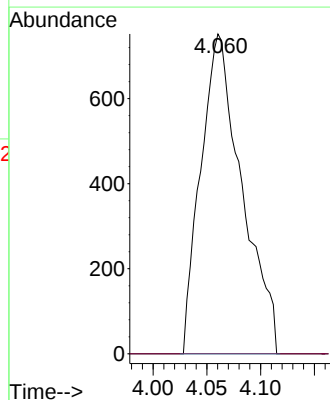
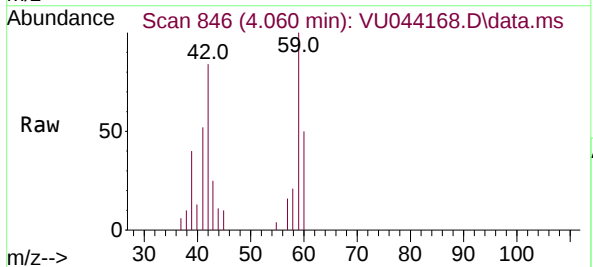


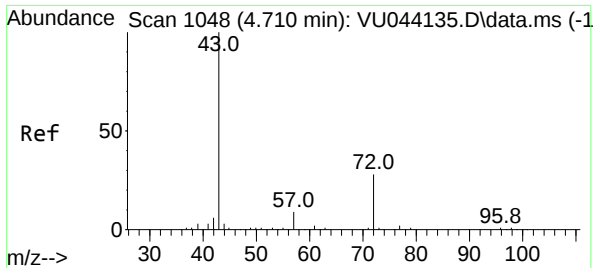
Tgt Ion: 84	Resp: 13674
Ion Ratio	Lower Upper
84 100	
49 117.4	96.9 145.3
51 35.3	31.0 46.6
86 65.3	51.0 76.6



#23
Vinyl Acetate
Concen: 0.366 ug/l
RT: 4.060 min Scan# 846
Delta R.T. 0.096 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 43	Resp: 2003
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#

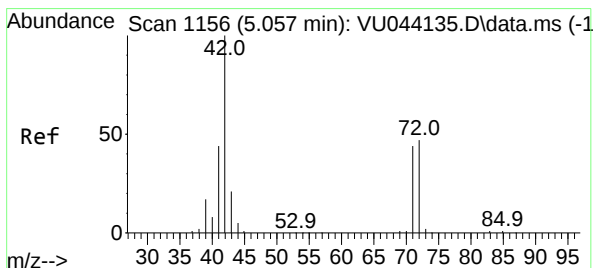
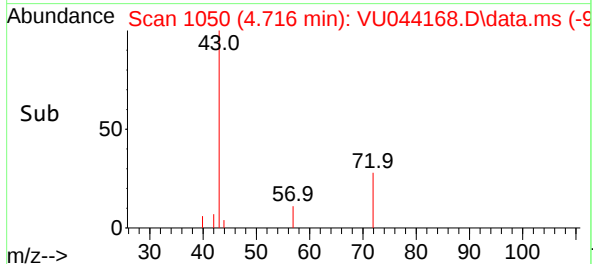
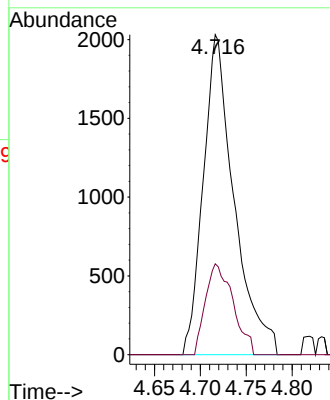
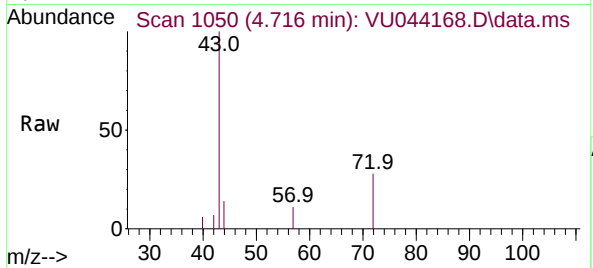




#25
2-Butanone
Concen: 2.444 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

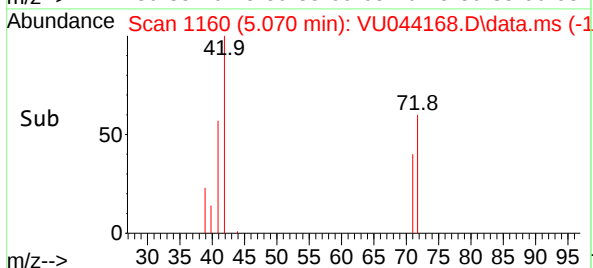
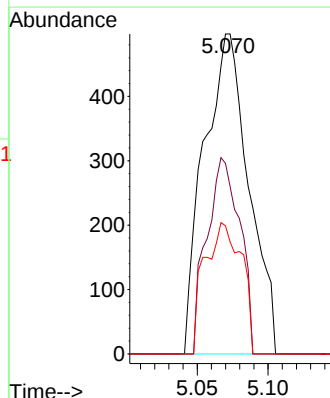
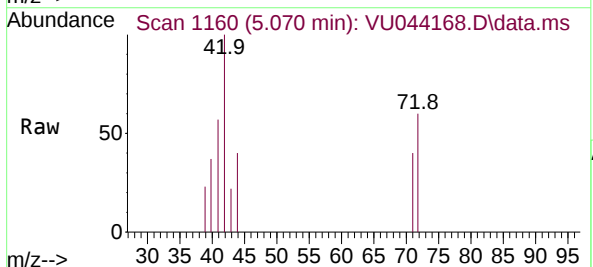
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MSVOA_U
ClientSampled :

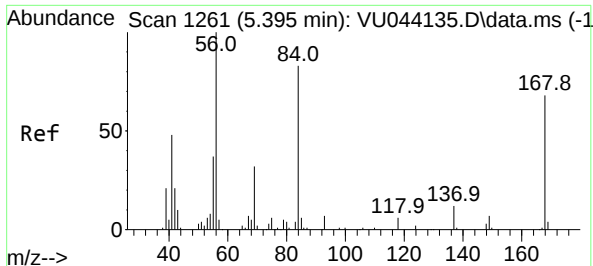
Tgt Ion: 43 Resp: 4734
Ion Ratio Lower Upper
43 100
72 28.4 22.6 33.8



#29
Tetrahydrofuran
Concen: 1.038 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.013 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

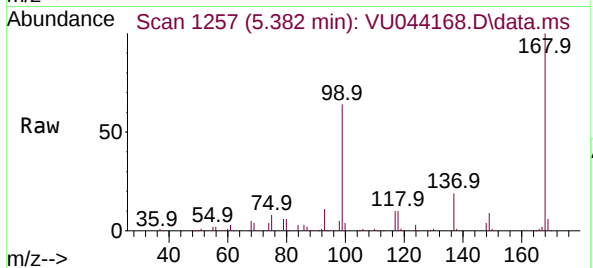
Tgt Ion: 42 Resp: 1093
Ion Ratio Lower Upper
42 100
72 45.3 38.6 57.8
71 33.7 35.5 53.3#



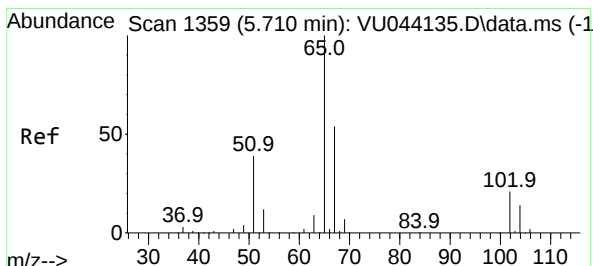
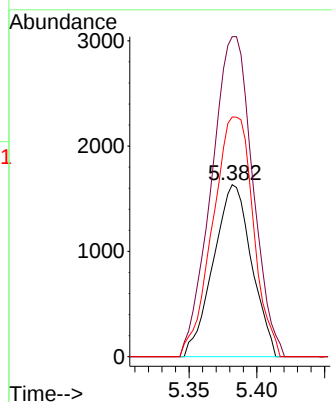
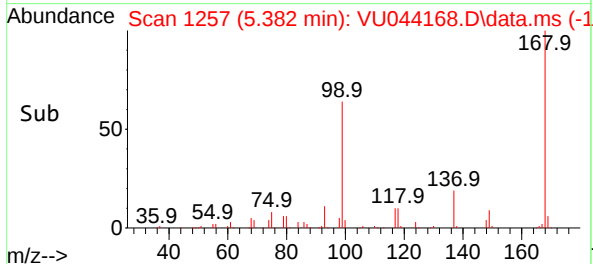


#31
Cyclohexane
Concen: 0.979 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

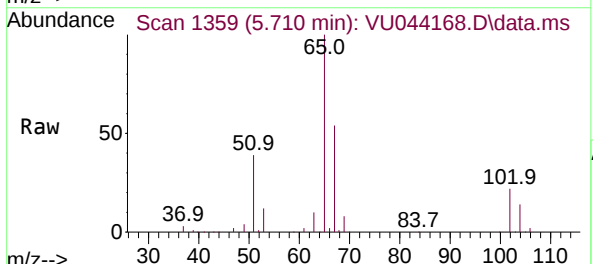
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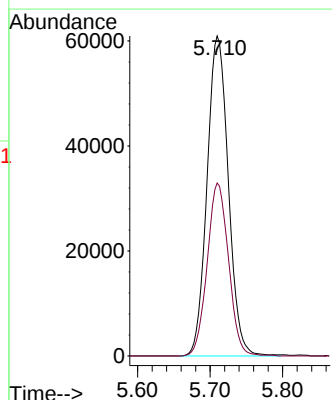
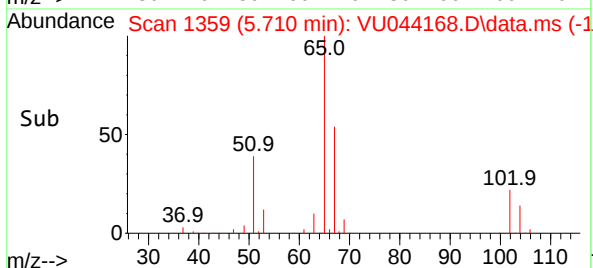
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Ion Ratio Lower Upper
56 100
69 186.0 25.5 38.3#
84 139.3 66.3 99.5#

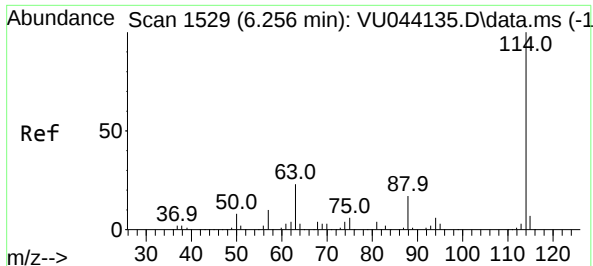


#33
1,2-Dichloroethane-d4
Concen: 53.632 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05



Tgt Ion: 65 Resp: 124448
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6

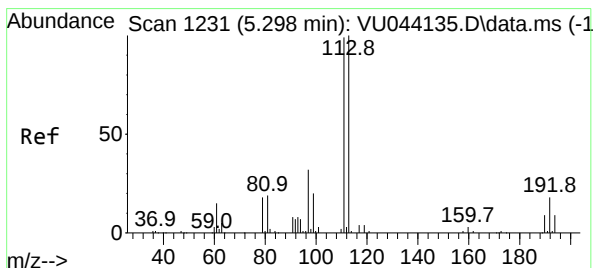
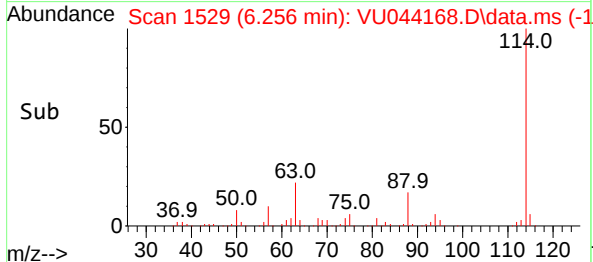
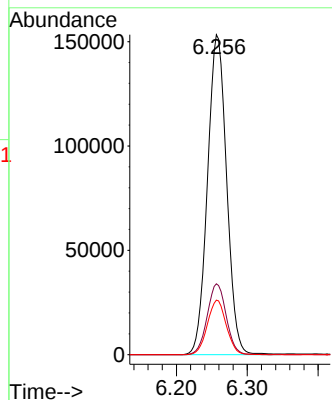
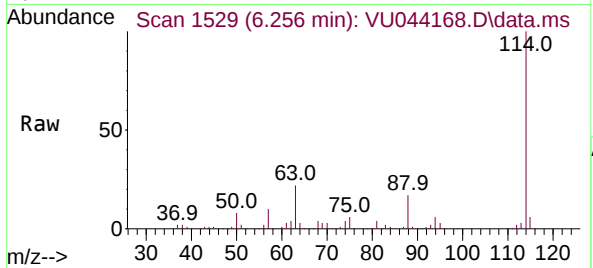




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

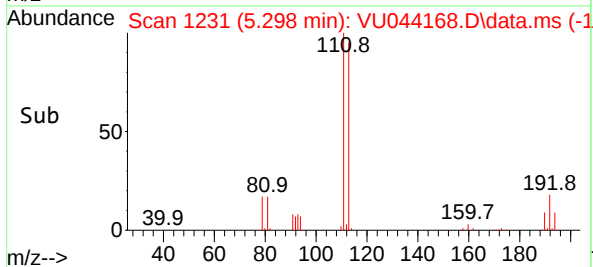
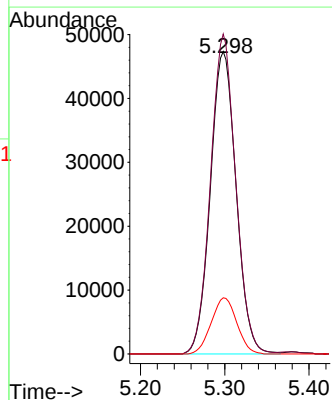
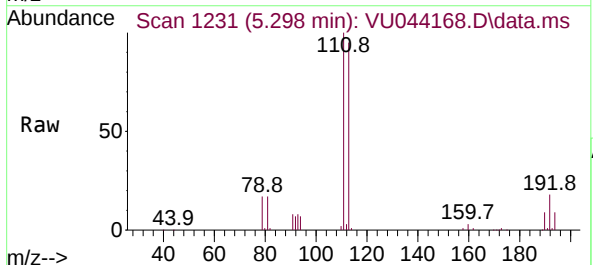
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MSVOA_U
ClientSampleId :

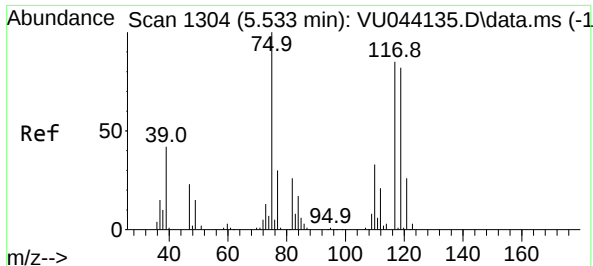
Tgt Ion:114 Resp: 287284
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.8
88 17.0 0.0 34.0



#35
Dibromofluoromethane
Concen: 50.285 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion:113 Resp: 100491
Ion Ratio Lower Upper
113 100
111 103.4 81.0 121.4
192 18.4 14.3 21.5

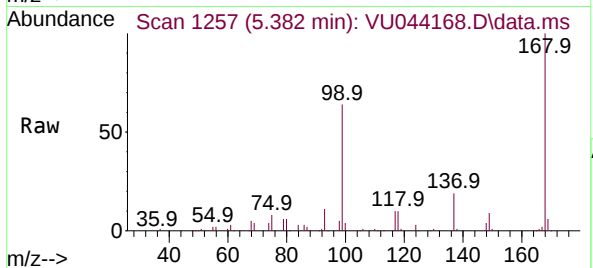




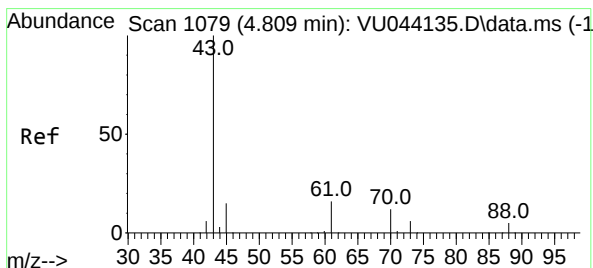
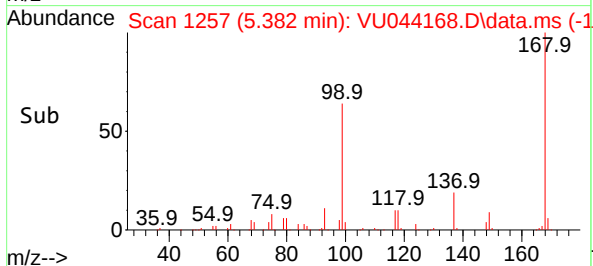
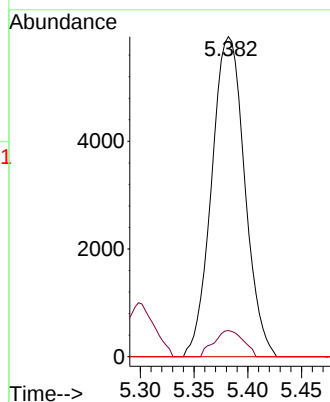
#36

1,1-Dichloropropene
Concen: 3.978 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Instrument :
MSVOA_U
ClientSampled :



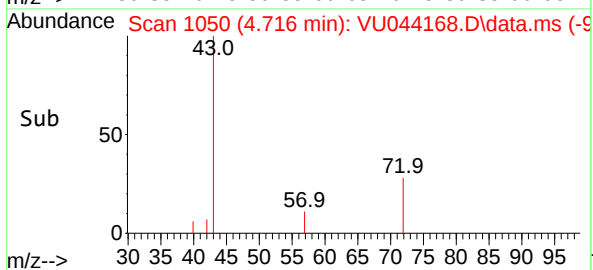
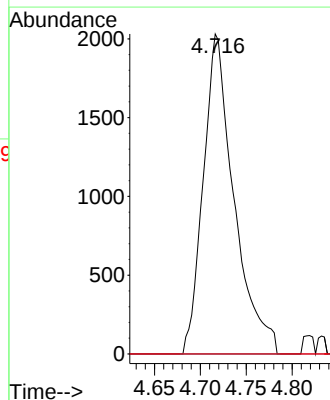
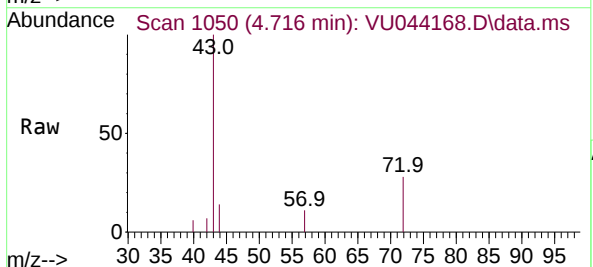
Tgt Ion: 75	Resp: 12716
Ion Ratio	Lower Upper
75 100	
110 7.2	16.4 49.4#
77 0.0	24.7 37.1#

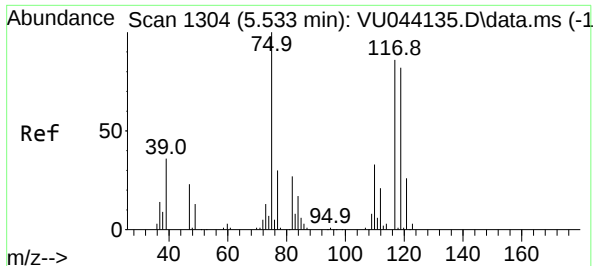


#37

Ethyl Acetate
Concen: 1.237 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

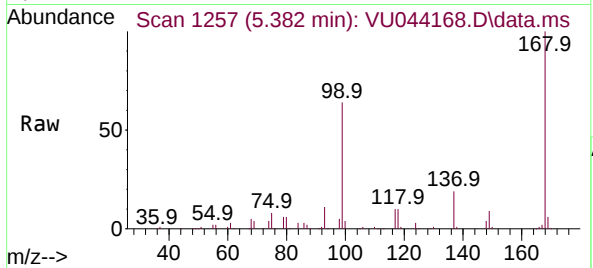
Tgt Ion: 43	Resp: 4734
Ion Ratio	Lower Upper
43 100	
61 0.0	11.9 17.9#
70 0.0	9.4 14.0#



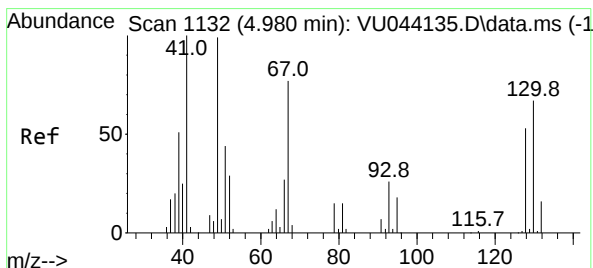
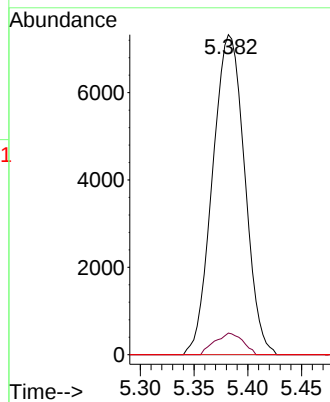
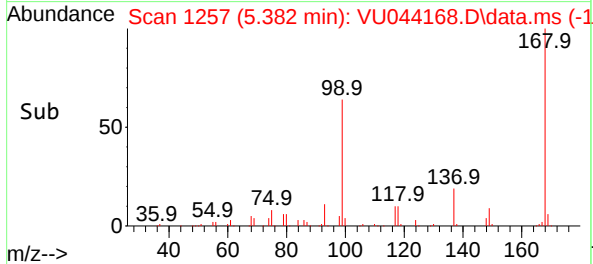


#38
Carbon Tetrachloride
Concen: 5.271 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

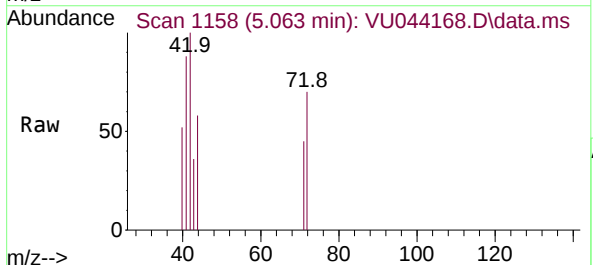
Instrument :
MSVOA_U
ClientSampled :



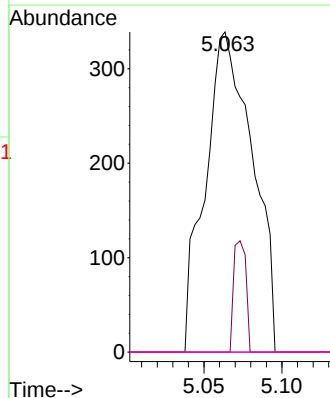
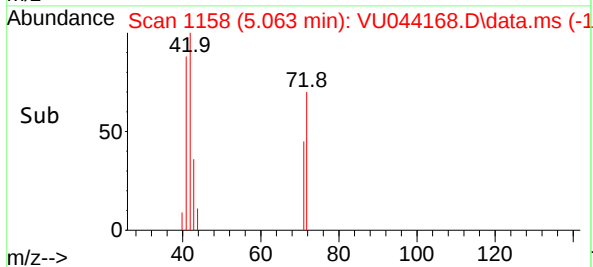
Tgt Ion:117 Resp: 15209
Ion Ratio Lower Upper
117 100
119 6.7 76.6 114.8#
121 0.0 24.6 36.8#

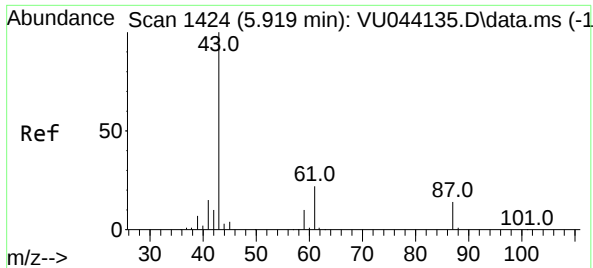


#41
Methacrylonitrile
Concen: 0.365 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.083 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05



Tgt Ion: 41 Resp: 716
Ion Ratio Lower Upper
41 100
39 8.9 41.4 62.0#
67 0.0 62.6 93.8#
52 0.0 24.1 36.1#

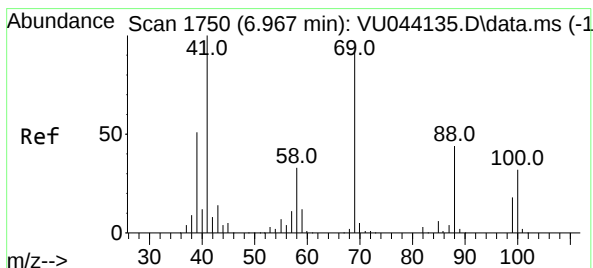
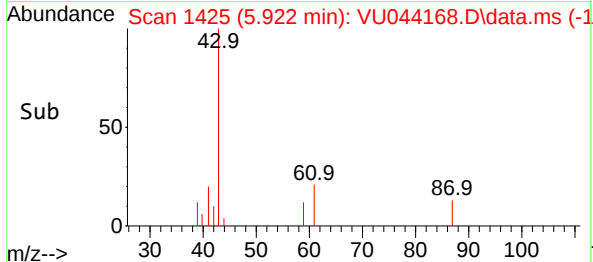
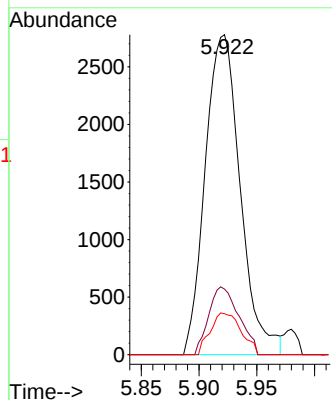
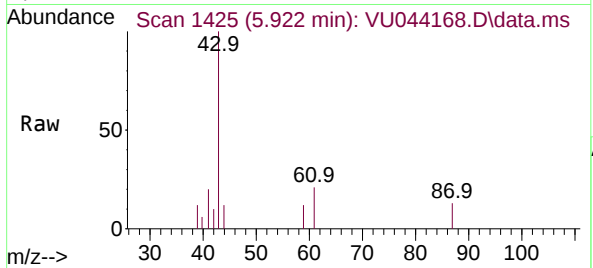




#43
Isopropyl Acetate
Concen: 1.081 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

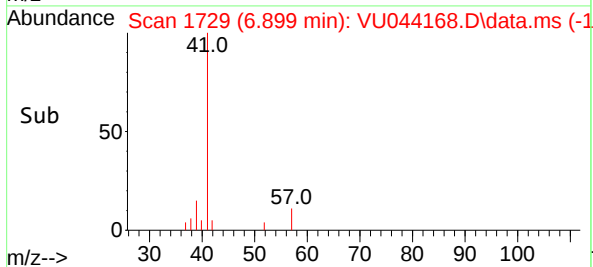
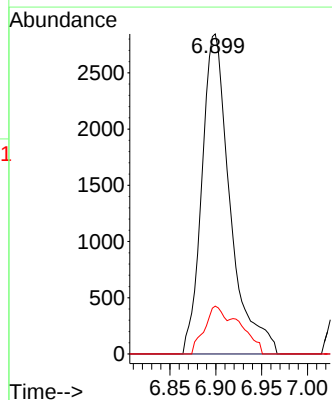
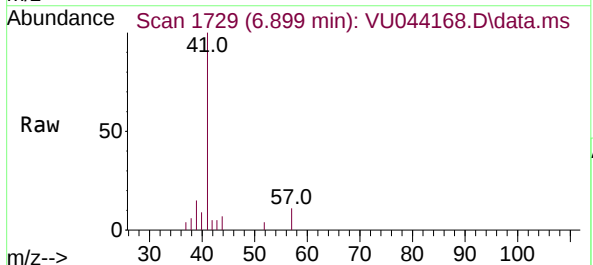
Instrument :
MSVOA_U
ClientSampled :

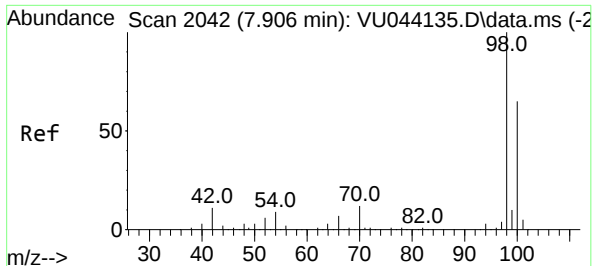
Tgt Ion: 43	Resp: 5868
Ion Ratio	Lower Upper
43 100	
61 18.3	17.8 26.8
87 11.5	11.1 16.7



#48
Methyl methacrylate
Concen: 2.305 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 41	Resp: 6091
Ion Ratio	Lower Upper
41 100	
69 0.0	74.0 111.0#
39 10.9	41.5 62.3#





#50

Toluene-d8

Concen: 51.030 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044168.D

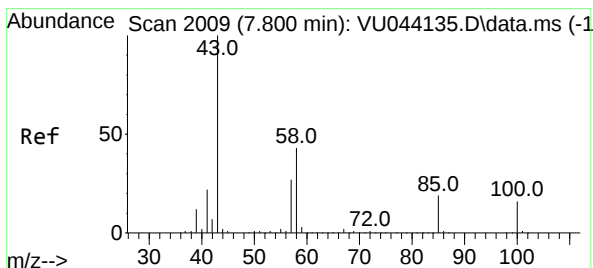
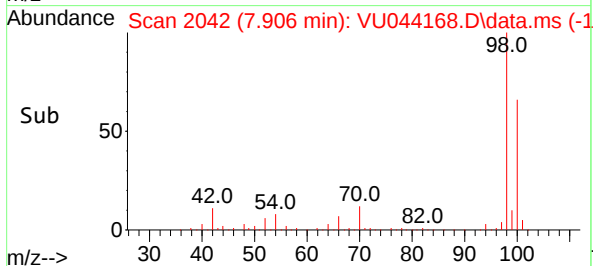
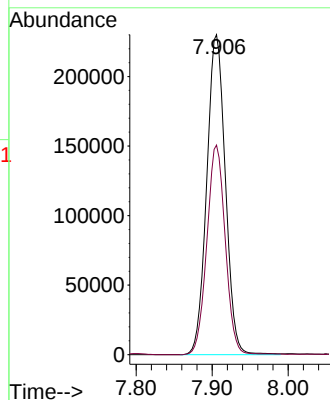
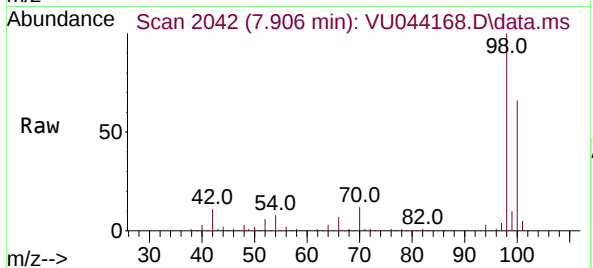
Acq: 10 Jun 2021 20:05

Tgt Ion: 98 Resp: 391652

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 2.273 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VU044168.D

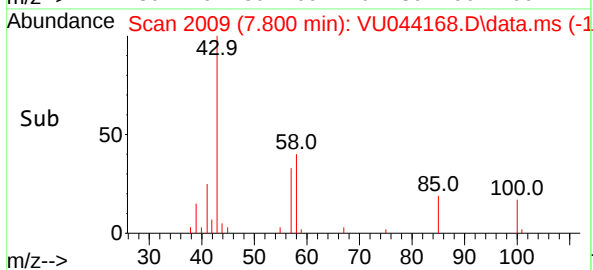
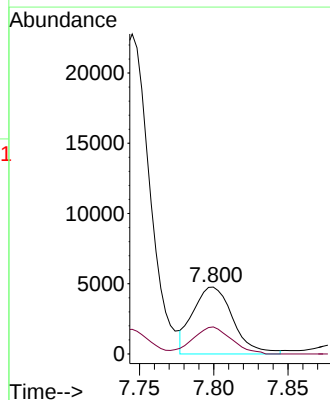
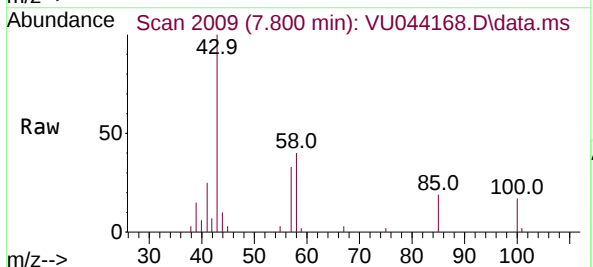
Acq: 10 Jun 2021 20:05

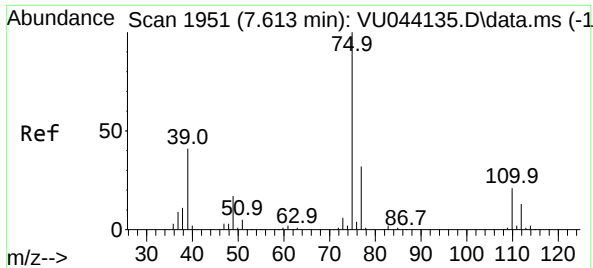
Tgt Ion: 43 Resp: 8933

Ion Ratio Lower Upper

43 100

58 38.7 34.5 51.7

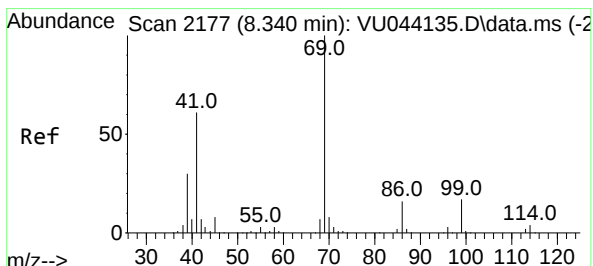
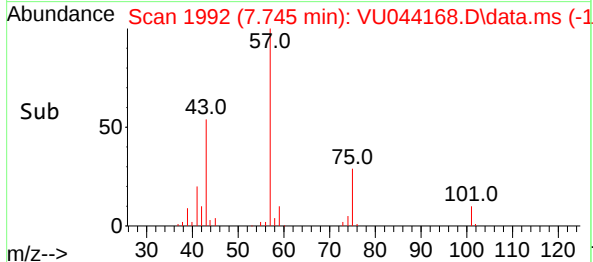
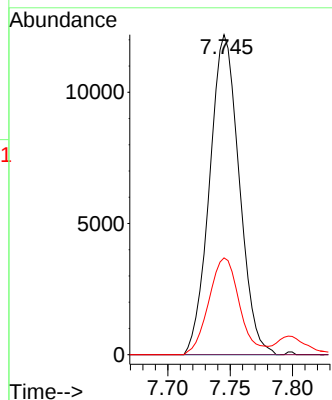
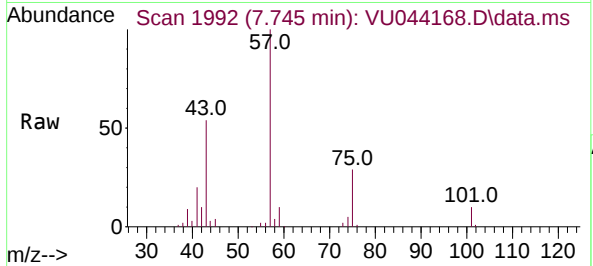




#54
 cis-1,3-Dichloropropene
 Concen: 5.230 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044168.D
 Acq: 10 Jun 2021 20:05

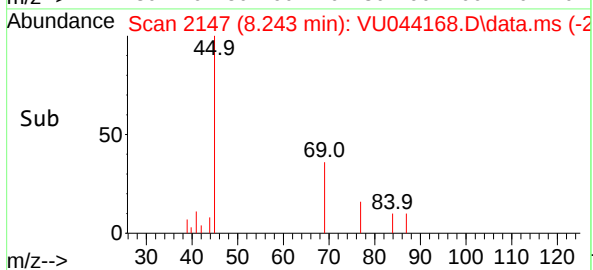
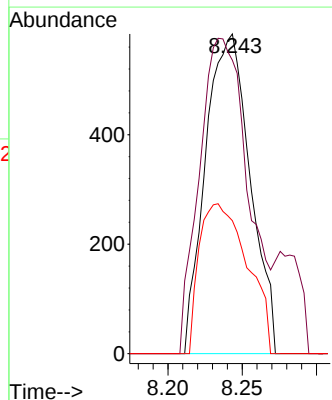
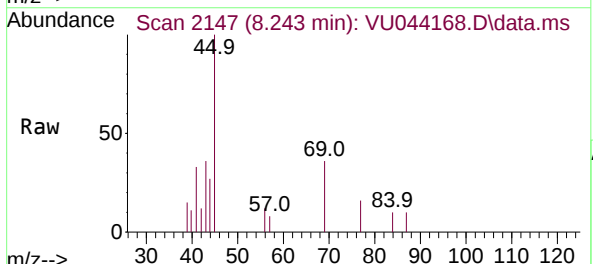
Instrument :
 MSVOA_U
 ClientSampled :

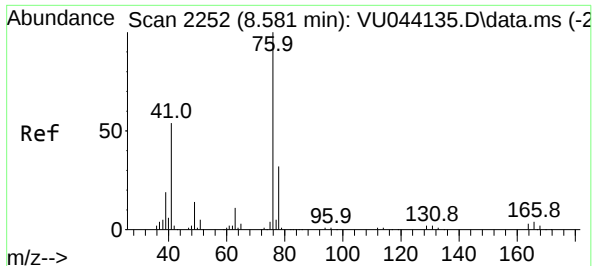
Tgt Ion: 75 Resp: 20146
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.9 38.9#
 39 30.3 33.2 49.8#



#56
 Ethyl methacrylate
 Concen: 0.339 ug/l
 RT: 8.243 min Scan# 2147
 Delta R.T. -0.097 min
 Lab File: VU044168.D
 Acq: 10 Jun 2021 20:05

Tgt Ion: 69 Resp: 1222
 Ion Ratio Lower Upper
 69 100
 41 108.2 48.4 72.6#
 39 50.5 23.6 35.4#



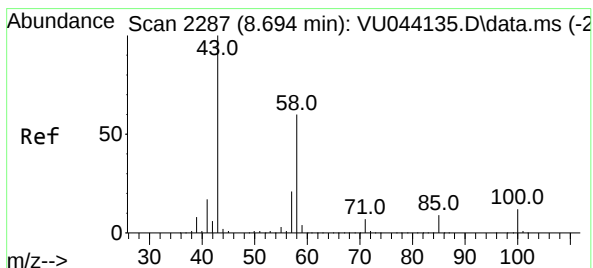
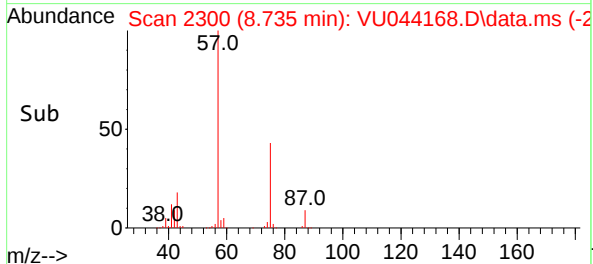
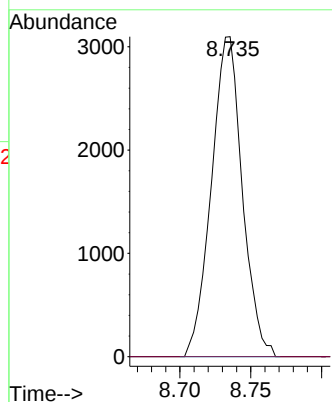
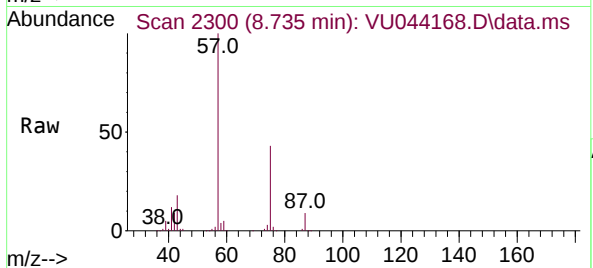


#57

1,3-Dichloropropane
Concen: 1.124 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Instrument :
MSVOA_U
ClientSampled :

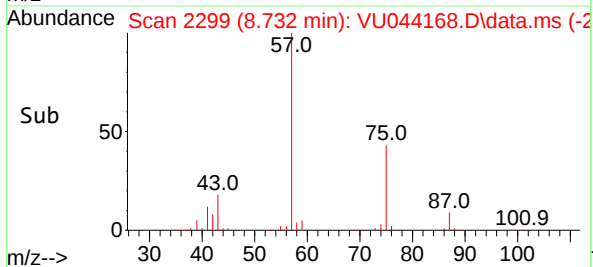
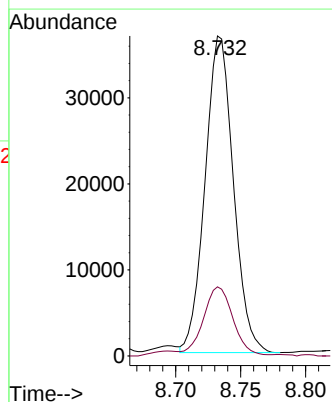
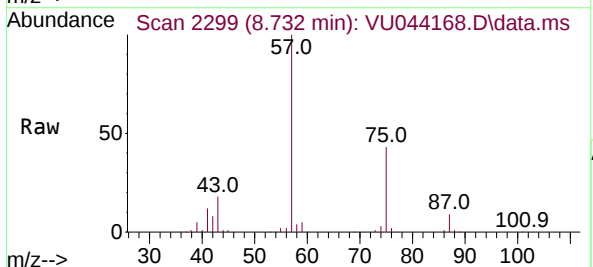
Tgt Ion: 76 Resp: 4704
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

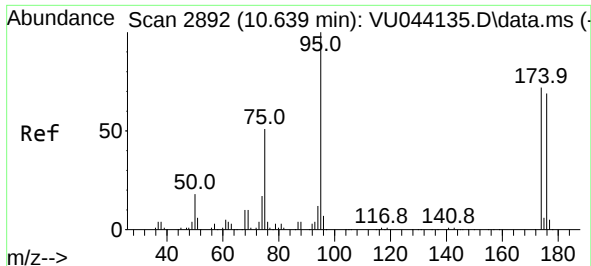


#59

2-Hexanone
Concen: 17.803 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 43 Resp: 55842
Ion Ratio Lower Upper
43 100
58 22.2 30.0 90.1#

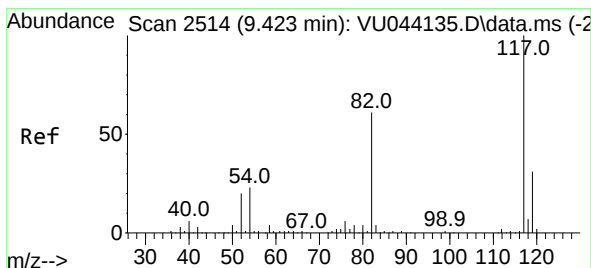
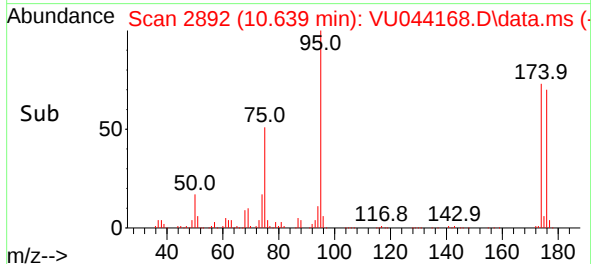
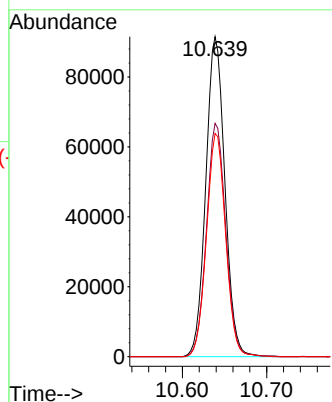
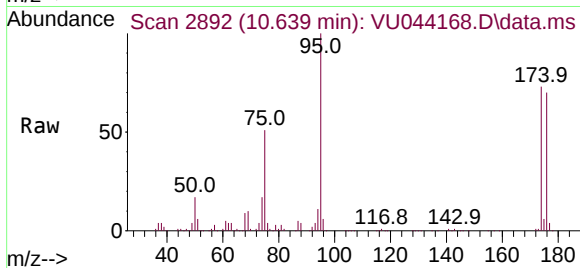




#62
4-Bromofluorobenzene
Concen: 46.881 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

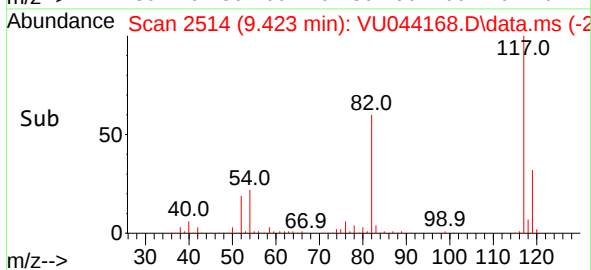
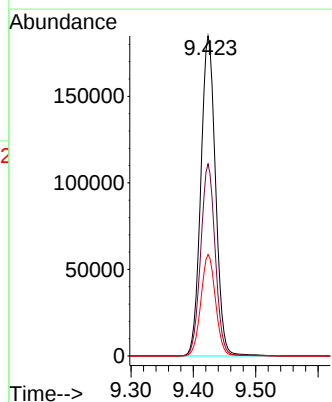
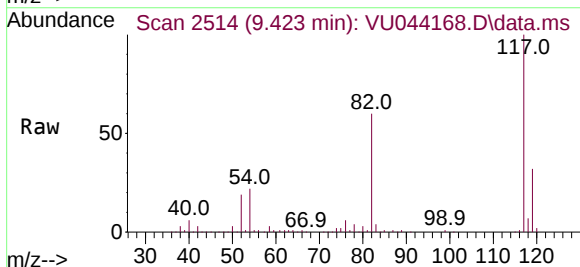
Instrument :
MSVOA_U
ClientSampleId :

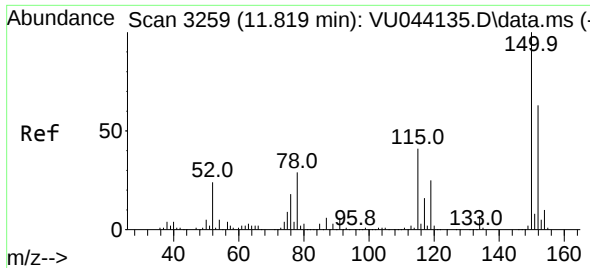
Tgt Ion: 95 Resp: 144193
Ion Ratio Lower Upper
95 100
174 73.9 0.0 144.4
176 70.1 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 117 Resp: 303805
Ion Ratio Lower Upper
117 100
82 60.0 48.8 73.2
119 31.7 25.0 37.6

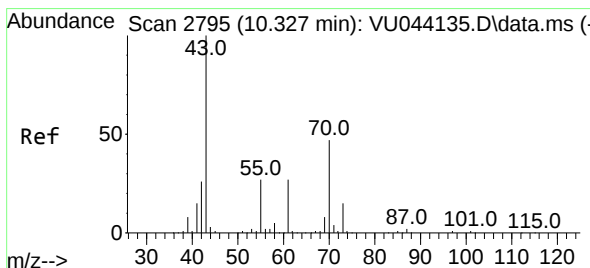
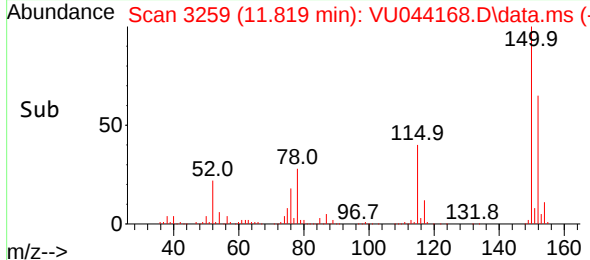
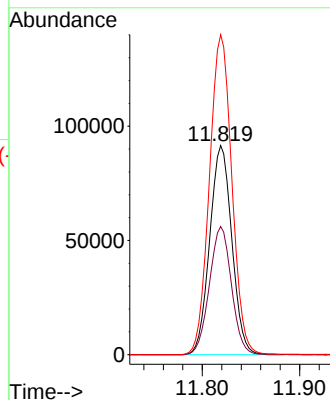
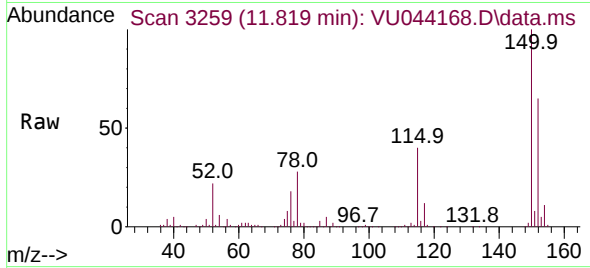




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044168.D
 Acq: 10 Jun 2021 20:05

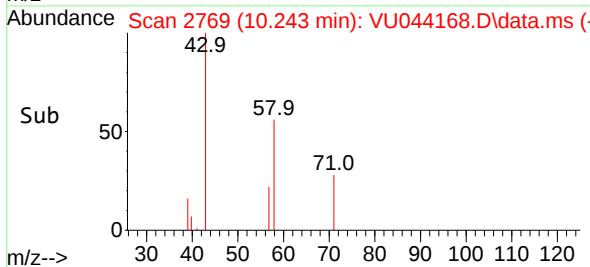
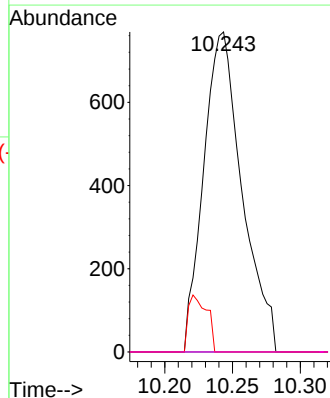
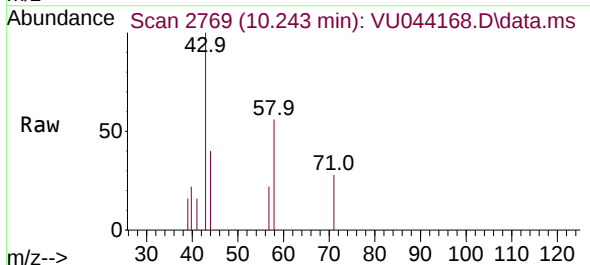
Instrument :
 MSVOA_U
 ClientSampled :

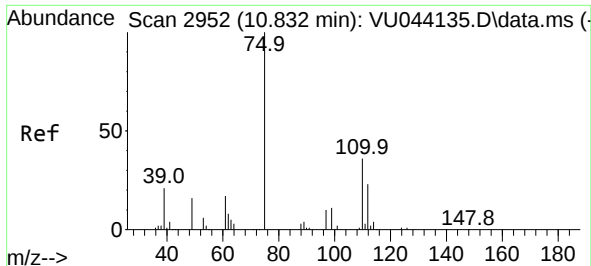
Tgt Ion:152 Resp: 144622
 Ion Ratio Lower Upper
 152 100
 115 60.9 43.8 131.3
 150 155.1 0.0 350.6



#74
 N-ethyl acetate
 Concen: 0.350 ug/l
 RT: 10.243 min Scan# 2769
 Delta R.T. -0.084 min
 Lab File: VU044168.D
 Acq: 10 Jun 2021 20:05

Tgt Ion: 43 Resp: 1522
 Ion Ratio Lower Upper
 43 100
 70 0.0 37.7 56.5#
 55 0.0 22.4 33.6#
 61 0.0 21.5 32.3#

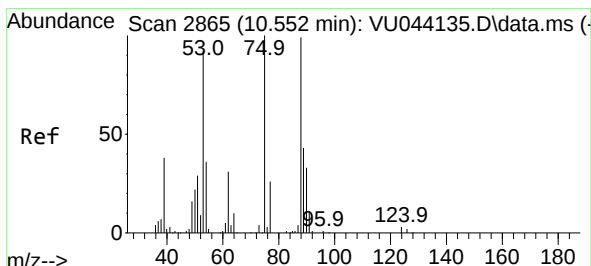
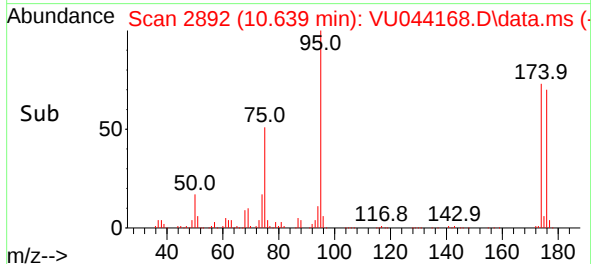
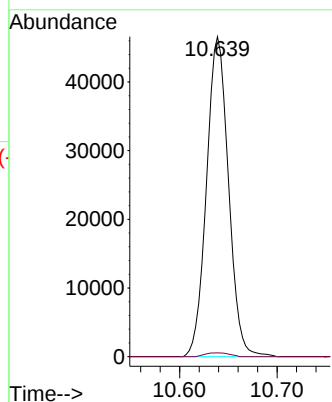
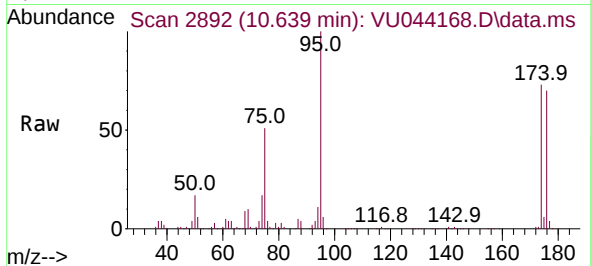




#76
1,2,3-Trichloropropane
Concen: 15.071 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

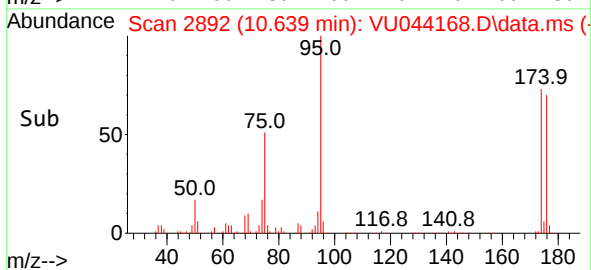
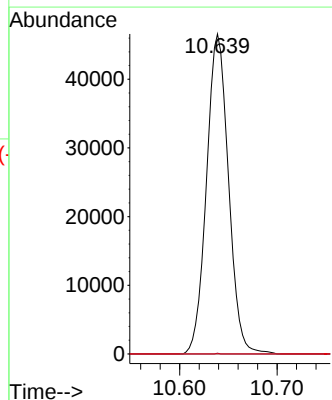
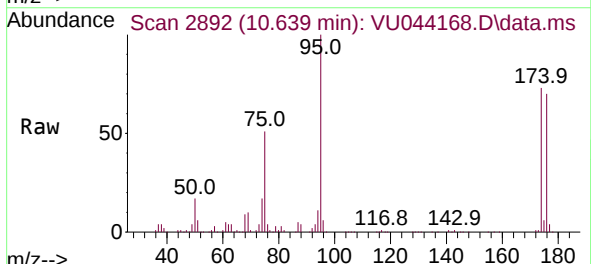
Instrument :
MSVOA_U
ClientSampled :

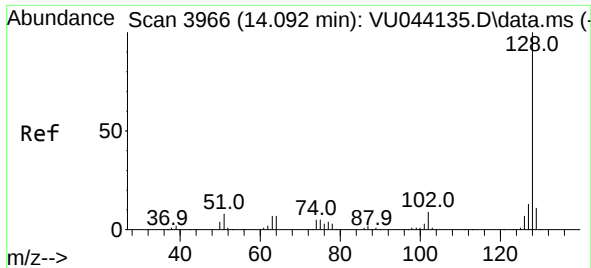
Tgt Ion: 75 Resp: 73079
Ion Ratio Lower Upper
75 100
77 1.3 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.633 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Tgt Ion: 75 Resp: 73079
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.866 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.000 min
Lab File: VU044168.D
Acq: 10 Jun 2021 20:05

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 324
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

