

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044167.D
 Acq On : 10 Jun 2021 19:41
 Operator : SY/MD
 Sample : M2658-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:22:16 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)

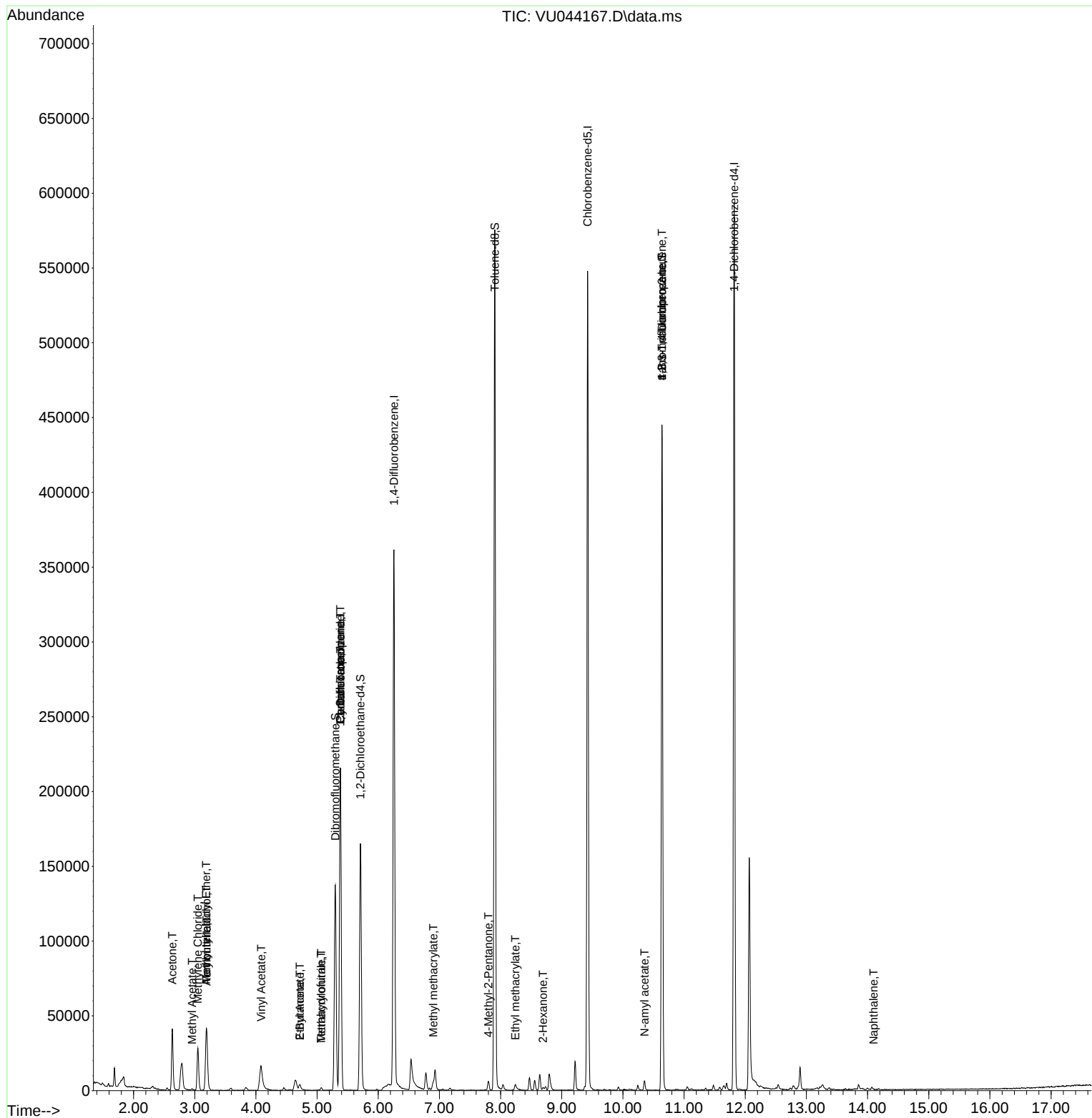
Internal Standards						
1) Pentafluorobenzene	5.382	168	142601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	280009	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	294027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	152810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	120981	53.349	ug/l	0.00
Spiked Amount	50.000		Recovery	= 106.700%		
35) Dibromofluoromethane	5.298	113	89417	45.906	ug/l	0.00
Spiked Amount	50.000		Recovery	= 91.820%		
50) Toluene-d8	7.906	98	372945	49.855	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.720%		
62) 4-Bromofluorobenzene	10.639	95	150484	50.198	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	441	Below Cal	#	73
6) Chloroethane	1.925	64	246	Below Cal	#	42
11) Tert butyl alcohol	3.192	59	26711	43.785	ug/l #	74
15) Acrylonitrile	3.195	53	310	0.246	ug/l #	18
16) Acetone	2.633	43	43961	35.709	ug/l	99
18) Methyl Acetate	2.957	43	1495	0.512	ug/l #	71
19) Methyl tert-butyl Ether	3.189	73	1506	0.281	ug/l	100
20) Methylene Chloride	3.051	84	13865	5.723	ug/l	99
23) Vinyl Acetate	4.086	43	3204	0.599	ug/l #	71
25) 2-Butanone	4.716	43	5607	2.962	ug/l	100
29) Tetrahydrofuran	5.067	42	1148	1.116	ug/l #	85
31) Cyclohexane	5.382	56	3216	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	12251	3.933	ug/l #	50
37) Ethyl Acetate	4.716	43	5607	1.503	ug/l #	67
38) Carbon Tetrachloride	5.382	117	14814	5.267	ug/l #	17
41) Methacrylonitrile	5.070	41	634	0.332	ug/l #	37
48) Methyl methacrylate	6.903	41	6410	2.489	ug/l #	17
51) 4-Methyl-2-Pentanone	7.800	43	4402	1.149	ug/l	100
56) Ethyl methacrylate	8.243	69	854	0.243	ug/l #	53
59) 2-Hexanone	8.693	43	1551	0.507	ug/l	85
74) N-amyl acetate	10.353	43	1160	0.252	ug/l #	8
76) 1,2,3-Trichloropropane	10.639	75	75575	14.751	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	75575	53.472	ug/l #	13
95) Naphthalene	14.098	128	343	2.866	ug/l #	69

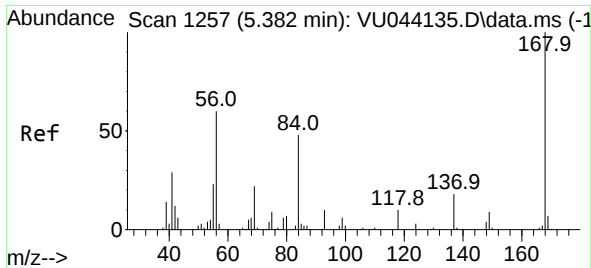
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

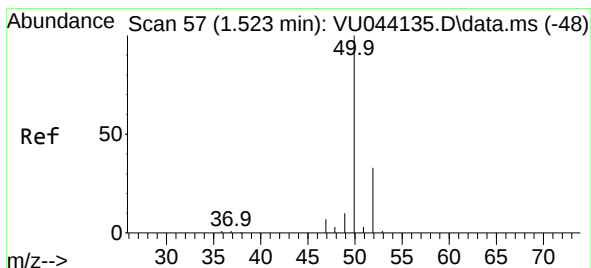
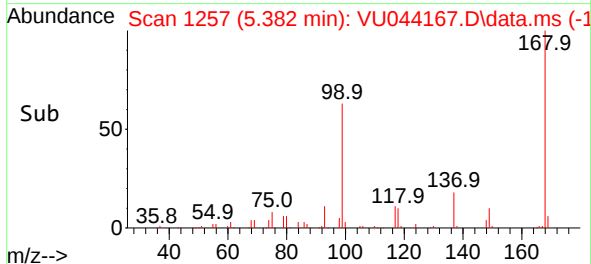
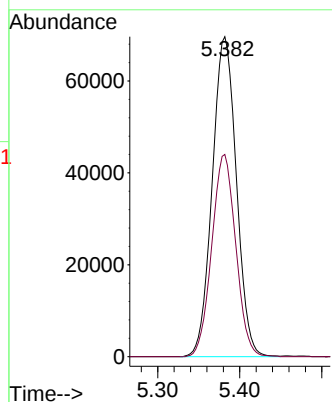
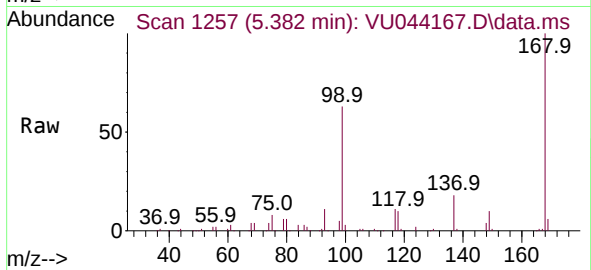




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

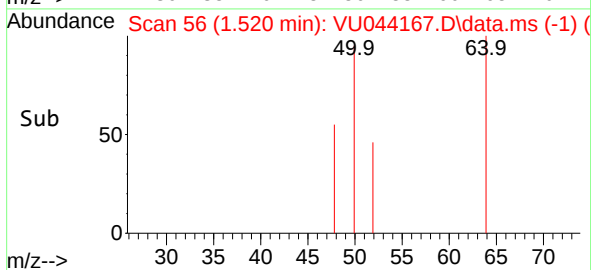
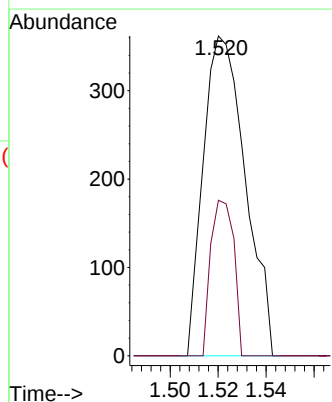
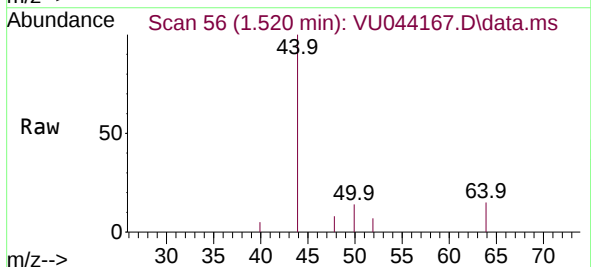
Instrument :
MSVOA_U
ClientSampled :

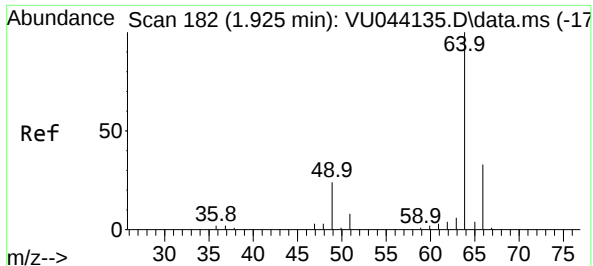
Tgt Ion:168 Resp: 142601
Ion Ratio Lower Upper
168 100
99 63.2 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 48.6 26.6 39.8#

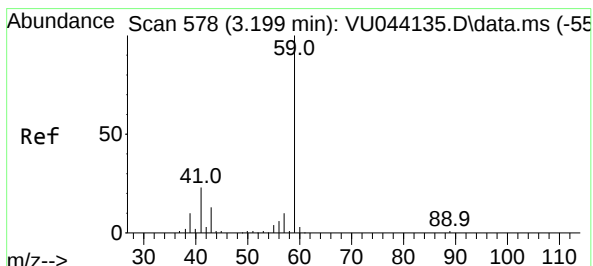
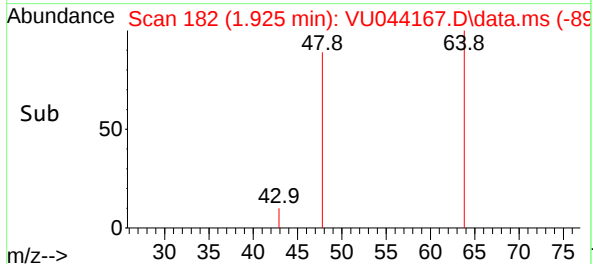
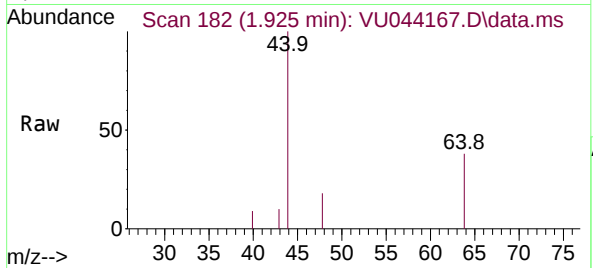




#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. 0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

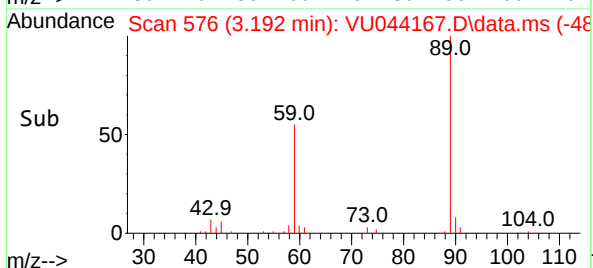
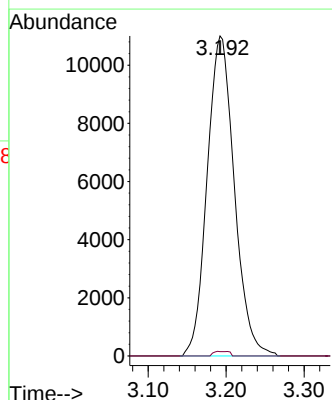
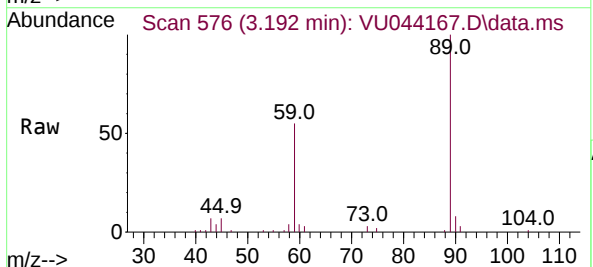
Instrument :
MSVOA_U
ClientSampled :

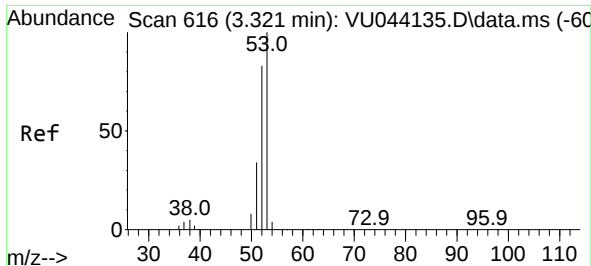
Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 43.785 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.007 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 59 Resp: 26711
Ion Ratio Lower Upper
59 100
57 0.5 8.0 12.0#

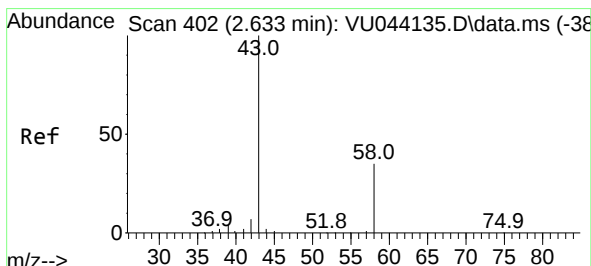
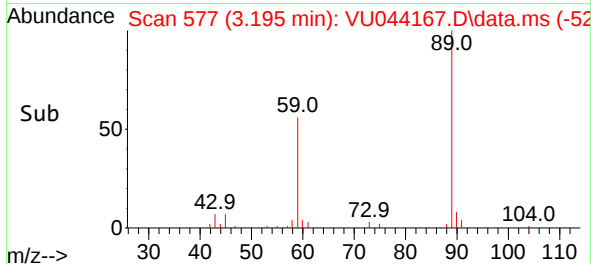
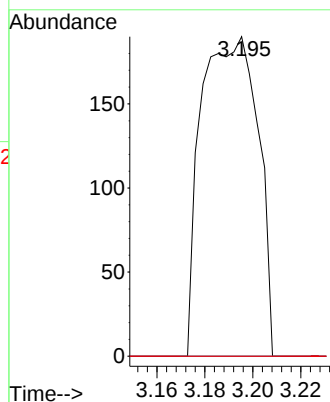
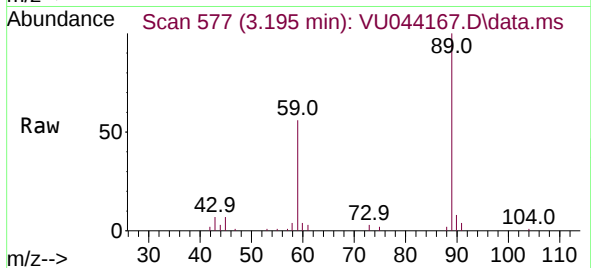




#15
Acrylonitrile
Concen: 0.246 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.126 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

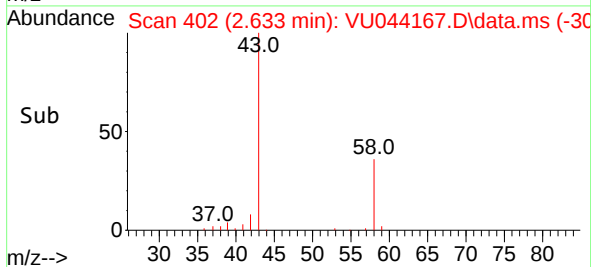
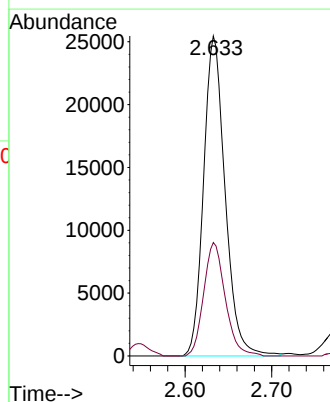
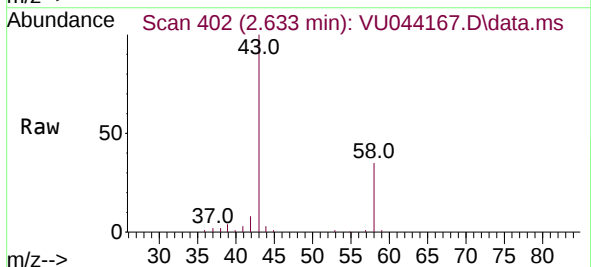
Instrument :
MSVOA_U
ClientSampled :

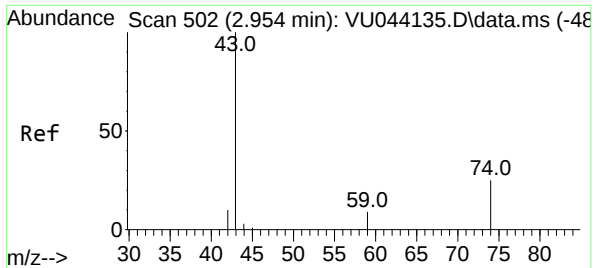
Tgt Ion: 53 Resp: 310
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.6#
51 0.0 27.3 40.9#



#16
Acetone
Concen: 35.709 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 43 Resp: 43961
Ion Ratio Lower Upper
43 100
58 35.4 28.0 42.0

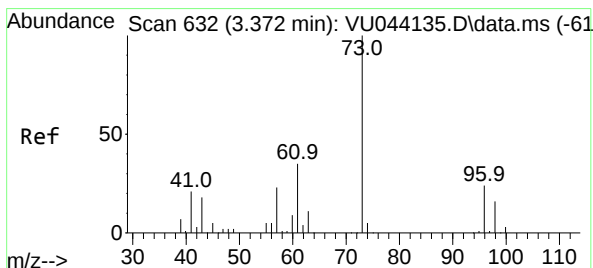
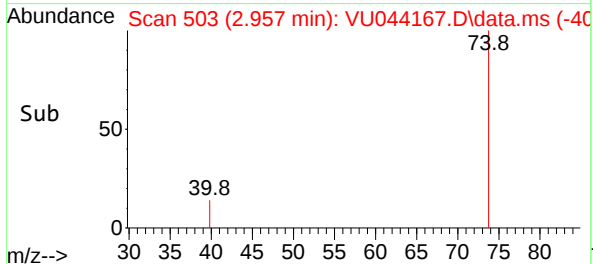
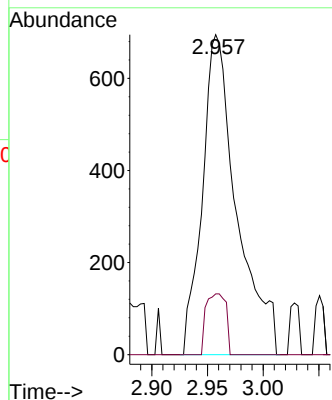
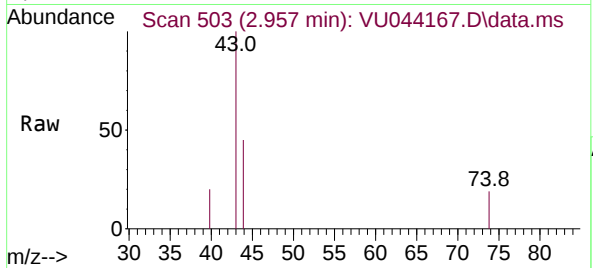




#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

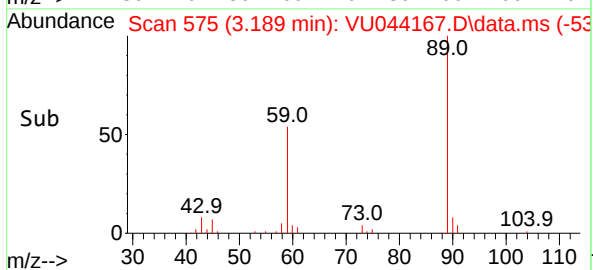
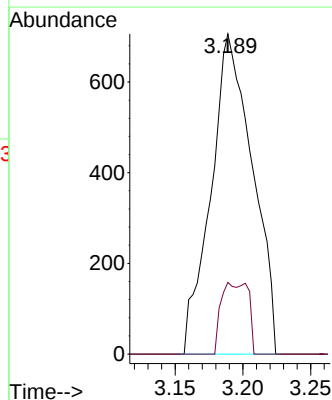
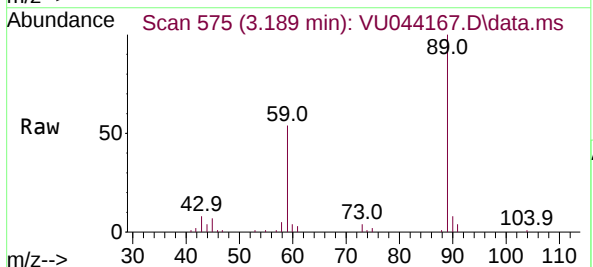
Instrument :
MSVOA_U
ClientSampled :

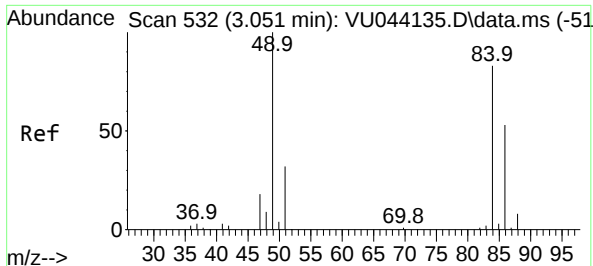
Tgt Ion: 43 Resp: 1495
Ion Ratio Lower Upper
43 100
74 11.0 20.3 30.5#



#19
Methyl tert-butyl Ether
Concen: 0.281 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.183 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

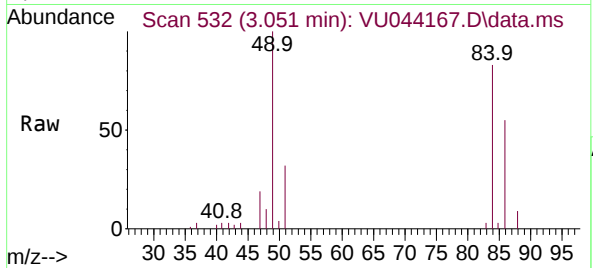
Tgt Ion: 73 Resp: 1506
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0



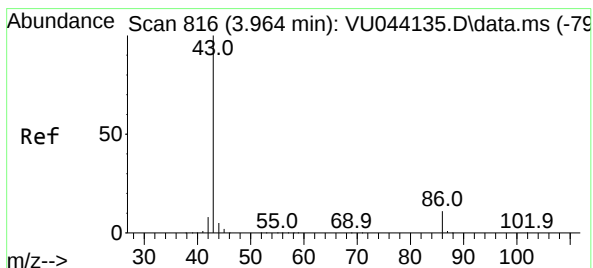
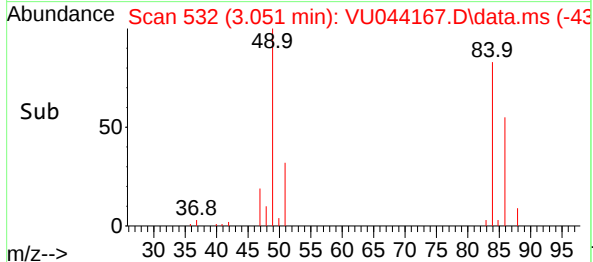
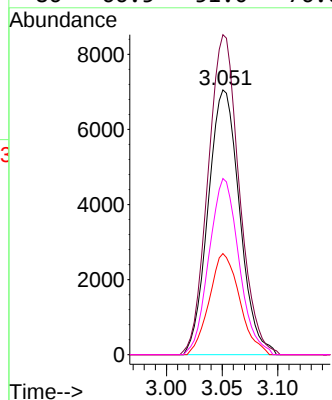


#20
Methylene Chloride
Concen: 5.723 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Instrument :
MSVOA_U
ClientSampleId :

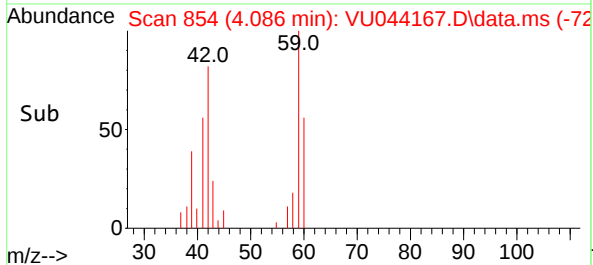
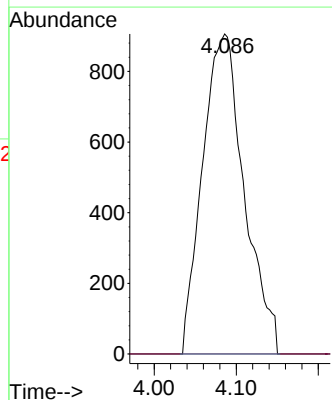
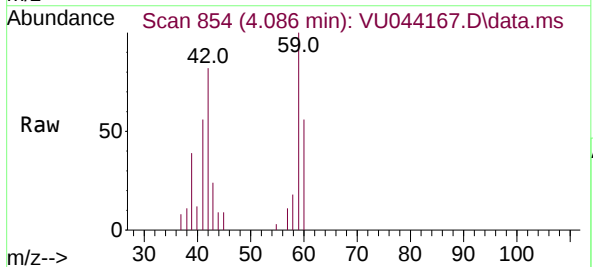


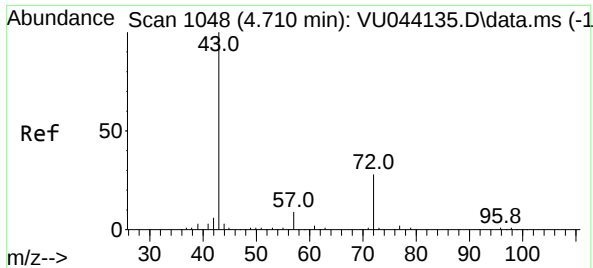
Tgt Ion: 84	Resp: 13865
Ion Ratio	Lower Upper
84 100	
49 120.8	96.9 145.3
51 38.2	31.0 46.6
86 66.5	51.0 76.6



#23
Vinyl Acetate
Concen: 0.599 ug/l
RT: 4.086 min Scan# 854
Delta R.T. 0.122 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 43	Resp: 3204
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#

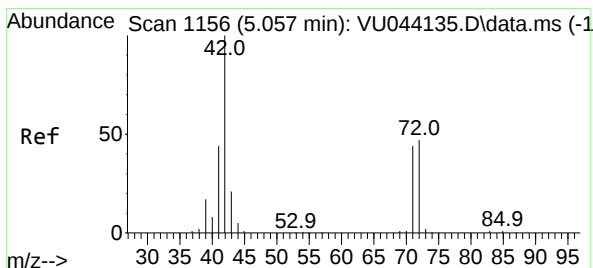
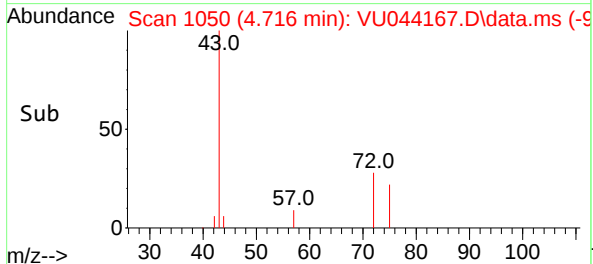
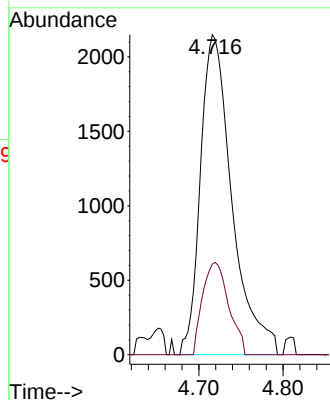
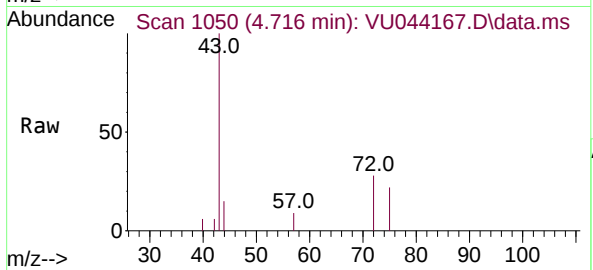




#25
2-Butanone
Concen: 2.962 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

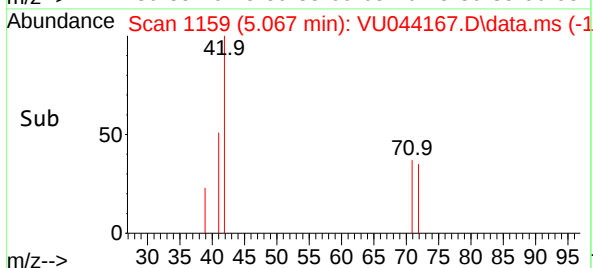
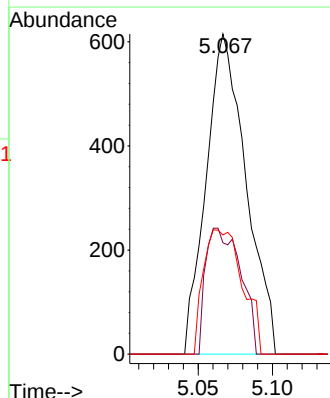
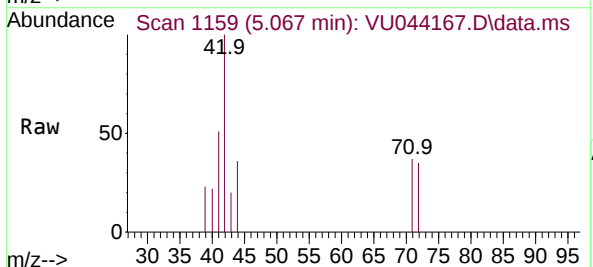
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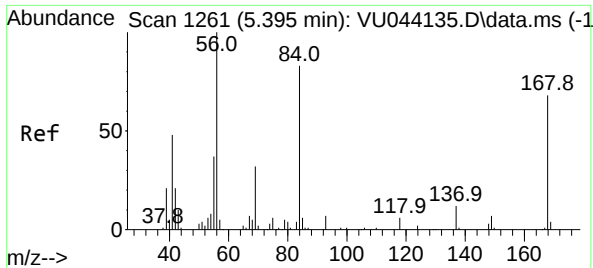
Tgt Ion: 43 Resp: 5607
Ion Ratio Lower Upper
43 100
72 28.3 22.6 33.8



#29
Tetrahydrofuran
Concen: 1.116 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

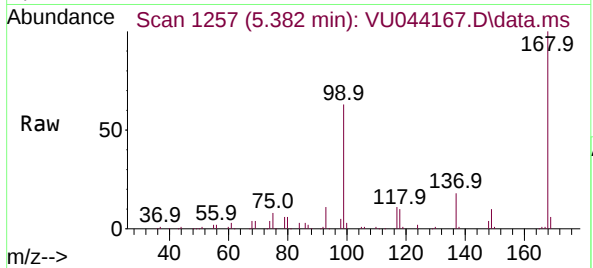
Tgt Ion: 42 Resp: 1148
Ion Ratio Lower Upper
42 100
72 34.5 38.6 57.8#
71 38.2 35.5 53.3



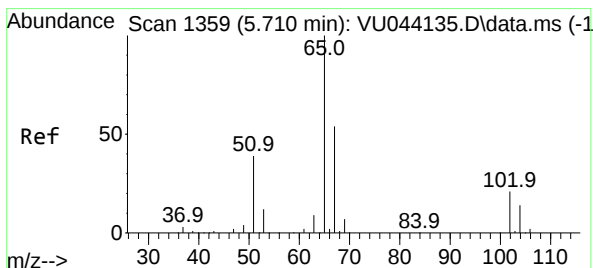
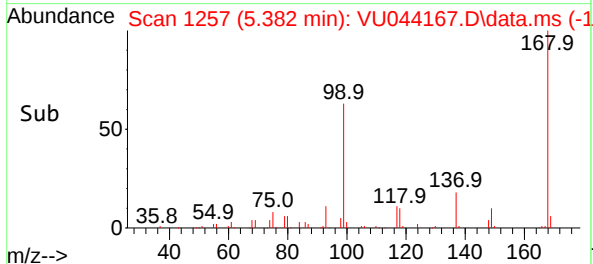
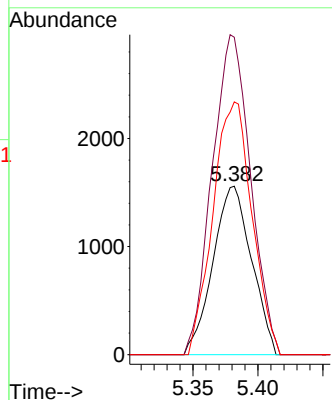


#31
Cyclohexane
Concen: 1.005 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Instrument :
MSVOA_U
ClientSampled :

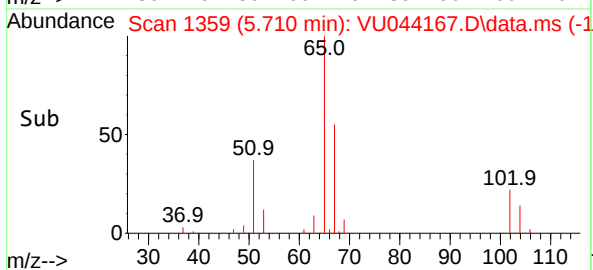
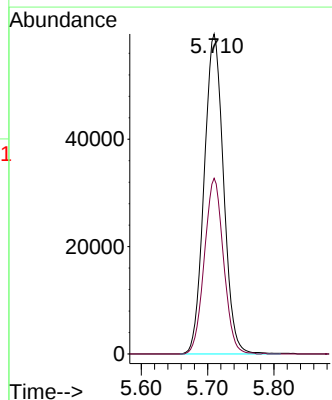
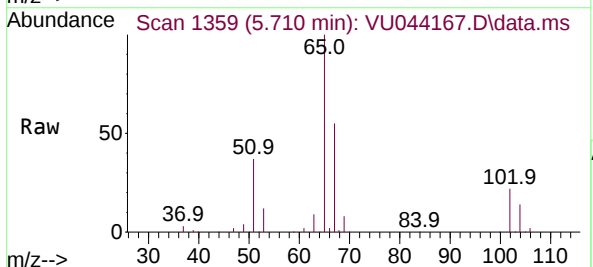


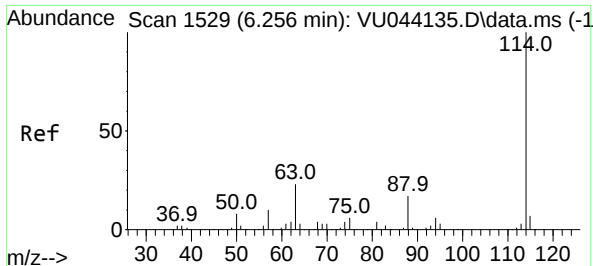
Tgt Ion: 56 Resp: 3216
Ion Ratio Lower Upper
56 100
69 188.4 25.5 38.3#
84 150.1 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 53.349 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 65 Resp: 120981
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6

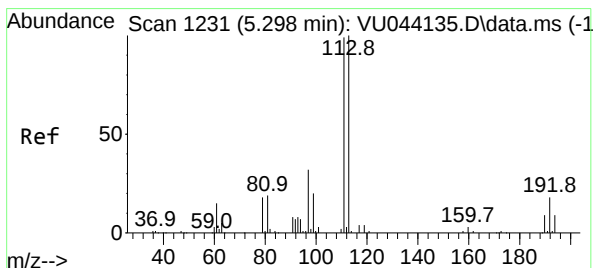
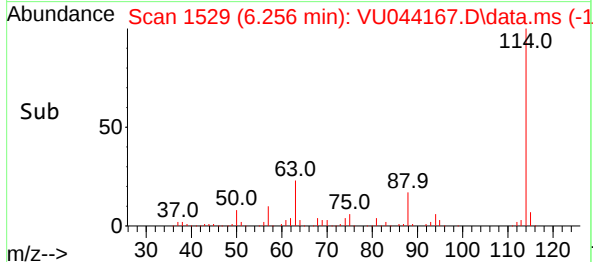
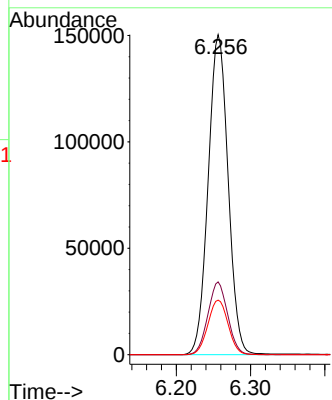
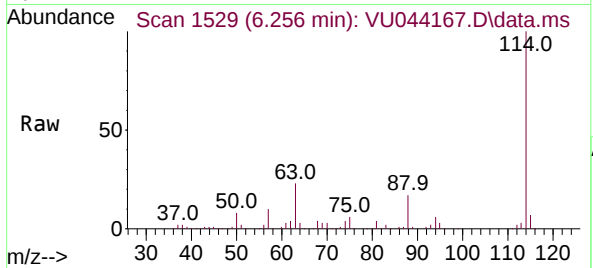




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

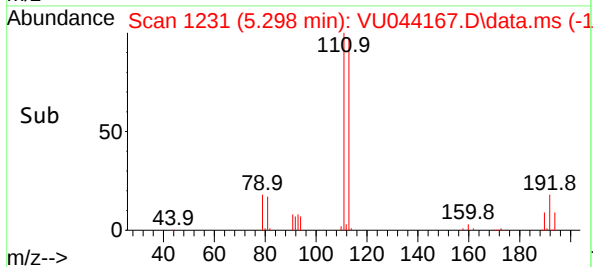
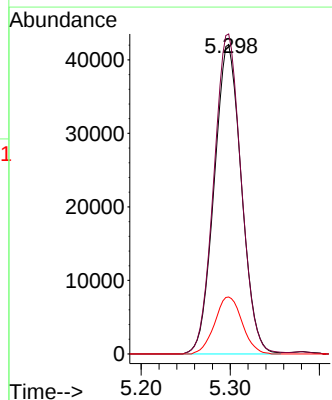
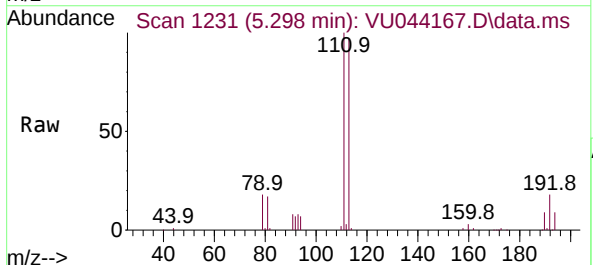
Instrument :
MSVOA_U
ClientSampled :

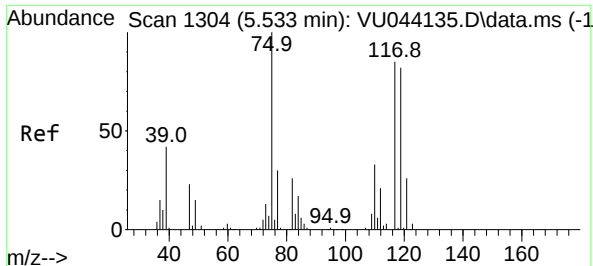
Tgt Ion:114 Resp: 280009
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.8
88 17.1 0.0 34.0



#35
Dibromofluoromethane
Concen: 45.906 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion:113 Resp: 89417
Ion Ratio Lower Upper
113 100
111 103.8 81.0 121.4
192 18.5 14.3 21.5

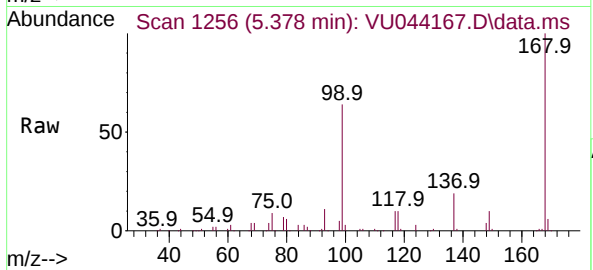




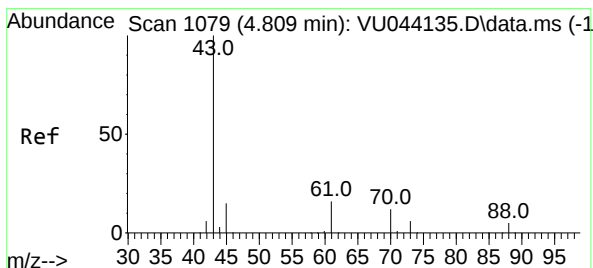
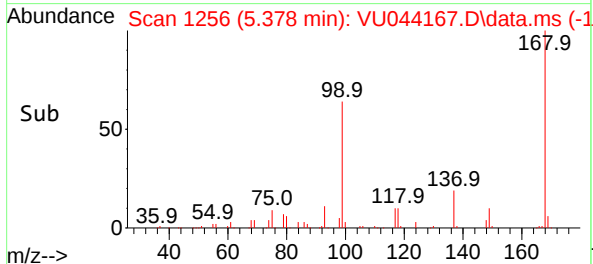
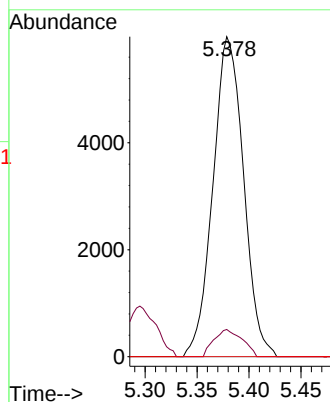
#36

1,1-Dichloropropene
Concen: 3.933 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Instrument :
MSVOA_U
ClientSampled :



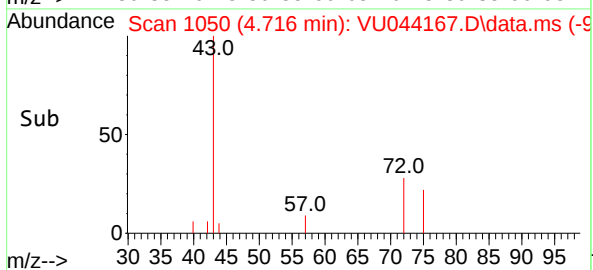
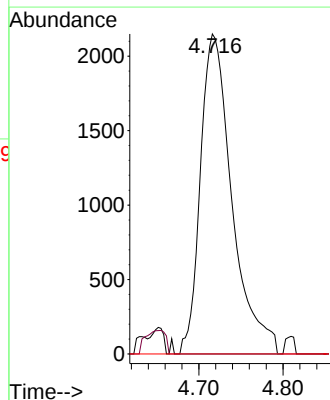
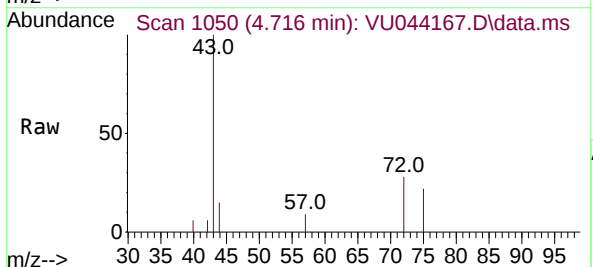
Tgt Ion: 75	Resp: 12251
Ion Ratio	Lower Upper
75 100	
110 7.8	16.4 49.4#
77 0.0	24.7 37.1#

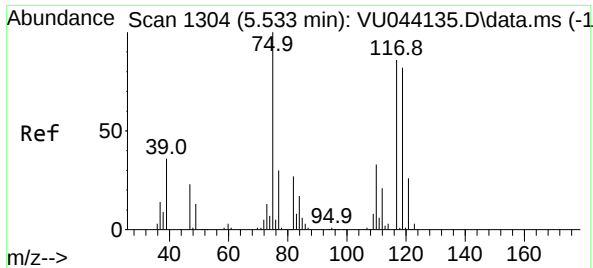


#37

Ethyl Acetate
Concen: 1.503 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. -0.093 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

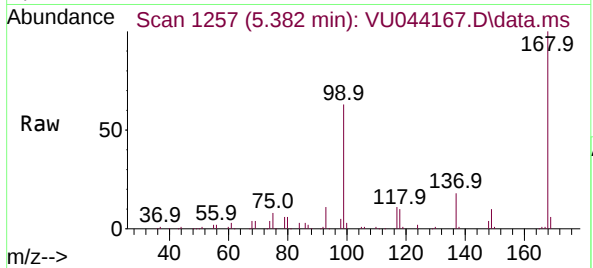
Tgt Ion: 43	Resp: 5607
Ion Ratio	Lower Upper
43 100	
61 0.0	11.9 17.9#
70 0.0	9.4 14.0#



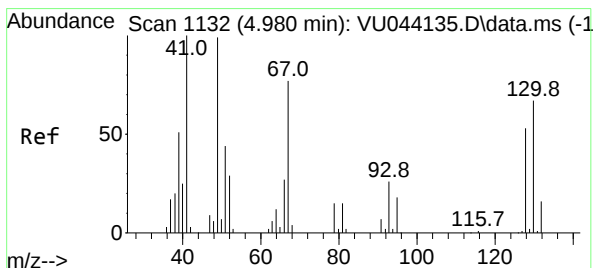
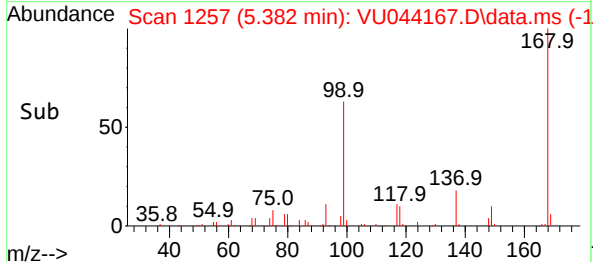
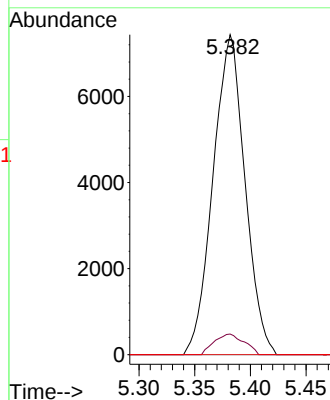


#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Instrument :
MSVOA_U
ClientSampled :

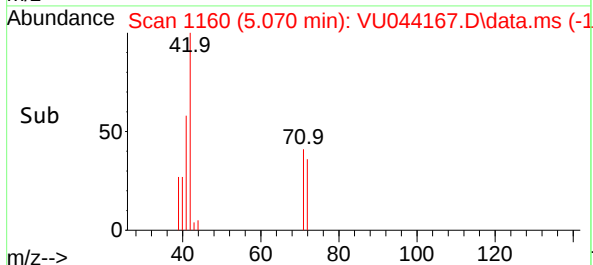
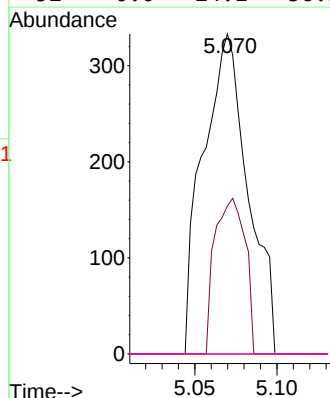
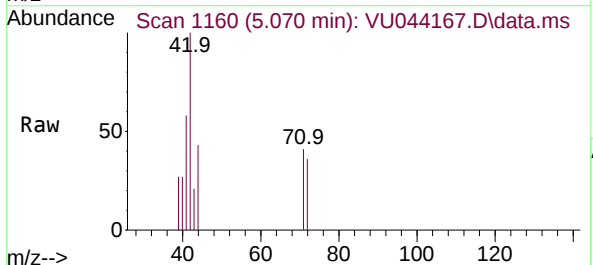


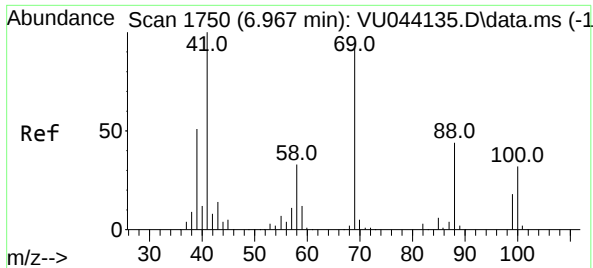
Tgt Ion:117 Resp: 14814
Ion Ratio Lower Upper
117 100
119 6.5 76.6 114.8#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.332 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.090 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 41 Resp: 634
Ion Ratio Lower Upper
41 100
39 32.8 41.4 62.0#
67 0.0 62.6 93.8#
52 0.0 24.1 36.1#

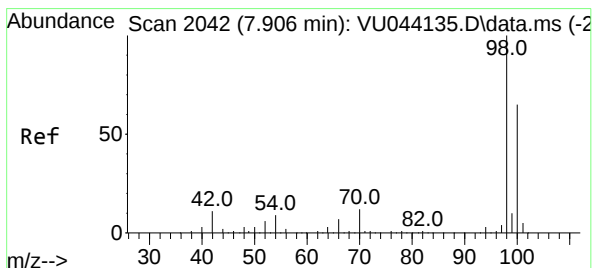
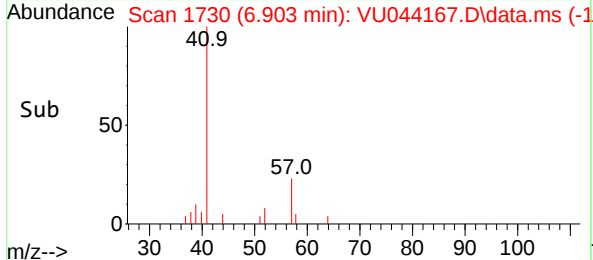
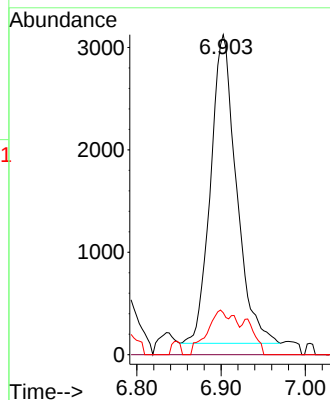
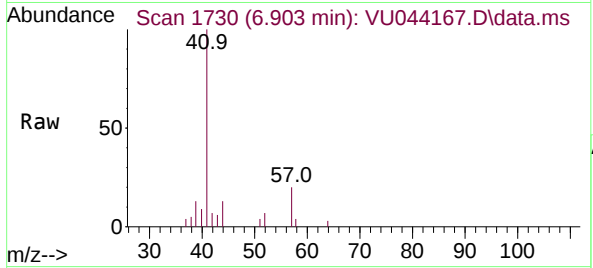




#48
Methyl methacrylate
Concen: 2.489 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

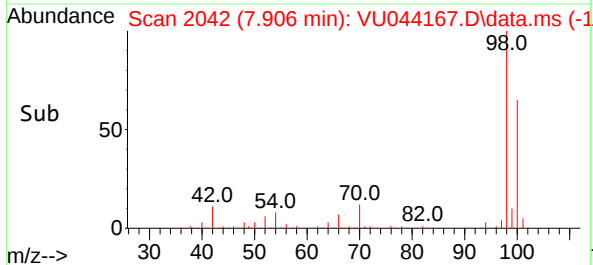
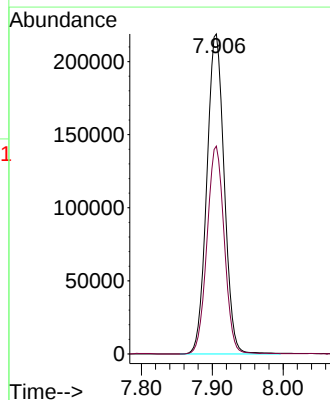
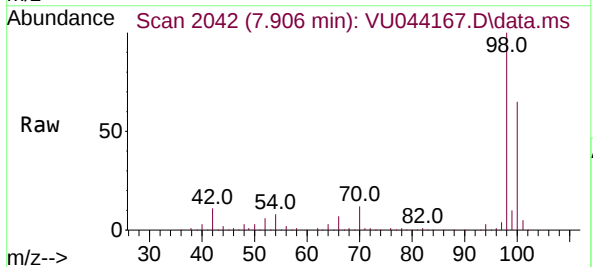
Instrument :
MSVOA_U
ClientSampled :

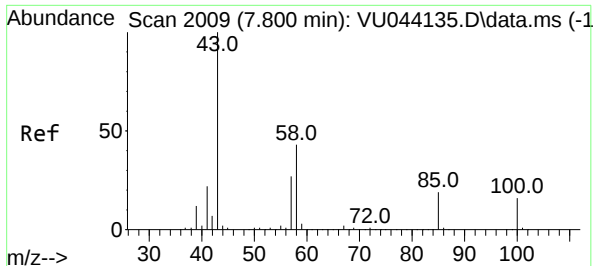
Tgt Ion: 41 Resp: 6410
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 11.6 41.5 62.3#



#50
Toluene-d8
Concen: 49.855 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 98 Resp: 372945
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

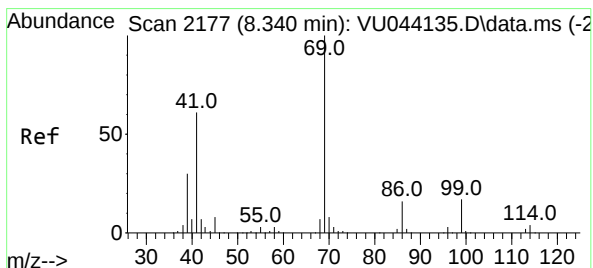
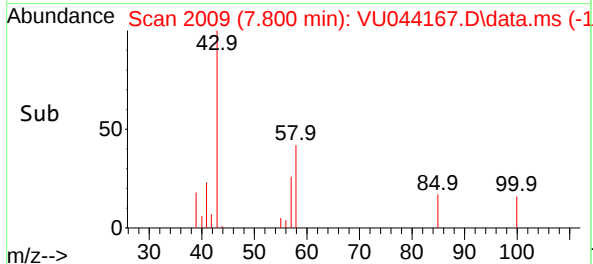
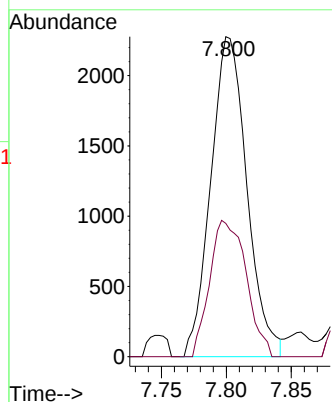
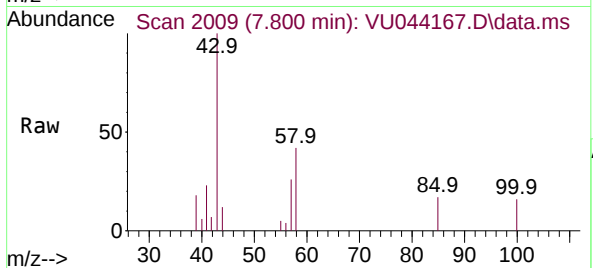




#51
4-Methyl-2-Pentanone
Concen: 1.149 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

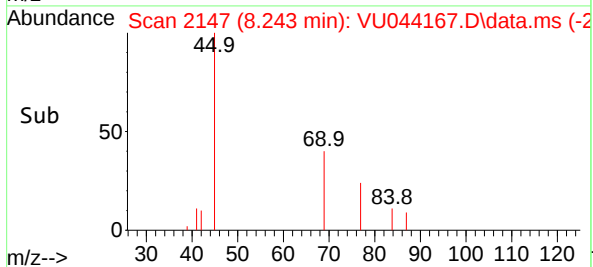
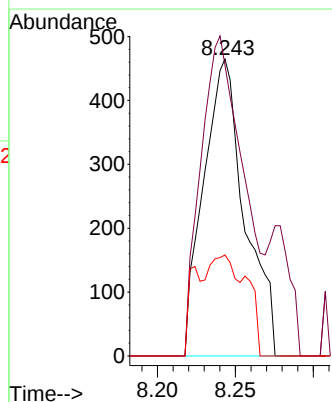
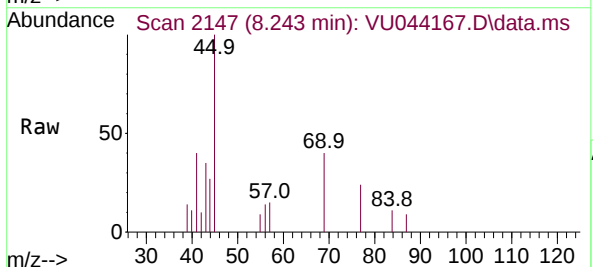
Instrument :
MSVOA_U
ClientSampled :

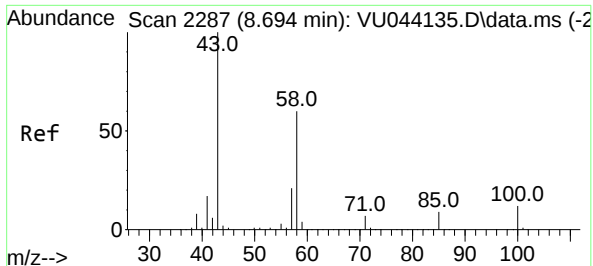
Tgt Ion: 43 Resp: 4402
Ion Ratio Lower Upper
43 100
58 42.9 34.5 51.7



#56
Ethyl methacrylate
Concen: 0.243 ug/l
RT: 8.243 min Scan# 2147
Delta R.T. -0.097 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 69 Resp: 854
Ion Ratio Lower Upper
69 100
41 113.2 48.4 72.6#
39 30.1 23.6 35.4

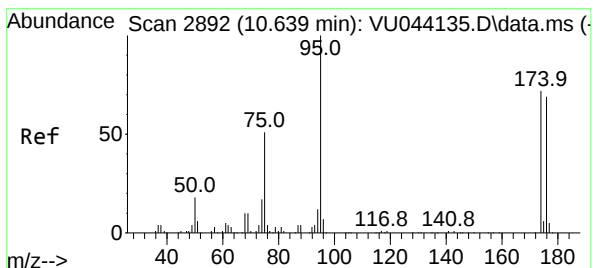
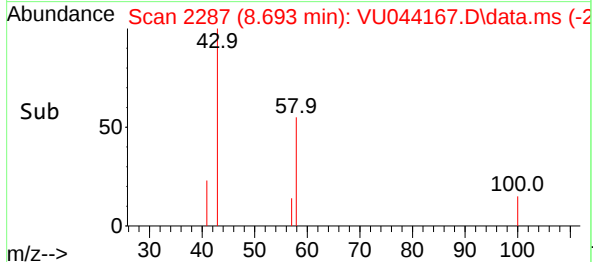
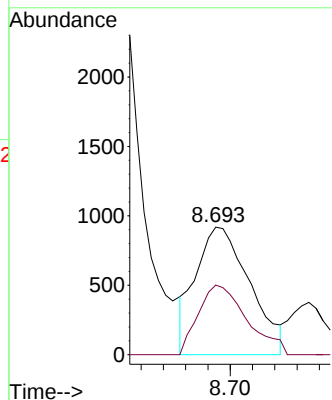
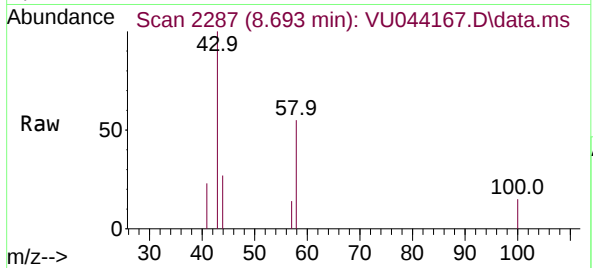




#59
2-Hexanone
Concen: 0.507 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. -0.001 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

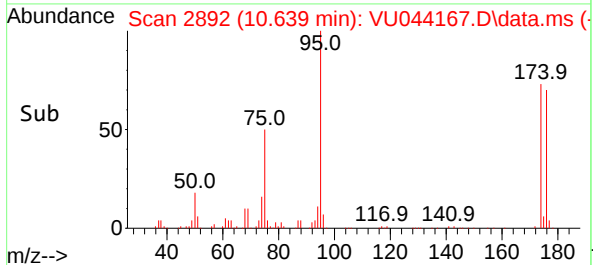
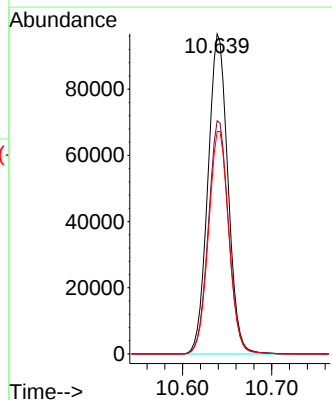
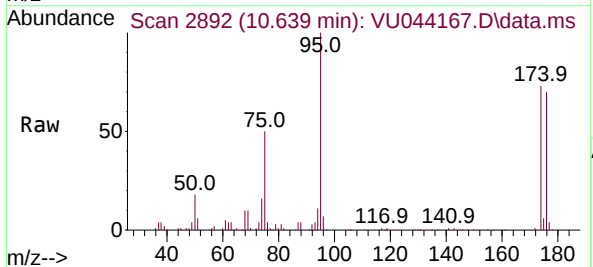
Instrument :
MSVOA_U
ClientSampled :

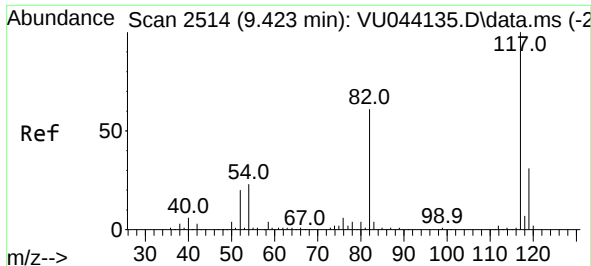
Tgt Ion: 43 Resp: 1551
Ion Ratio Lower Upper
43 100
58 48.9 30.0 90.1



#62
4-Bromofluorobenzene
Concen: 50.198 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 95 Resp: 150484
Ion Ratio Lower Upper
95 100
174 73.9 0.0 144.4
176 70.7 0.0 138.0

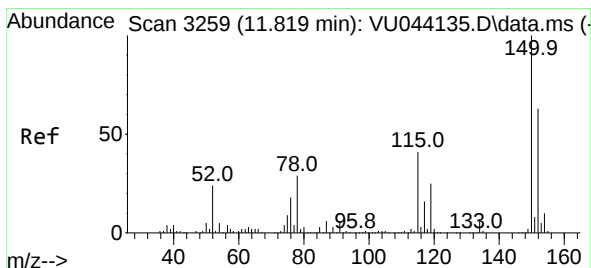
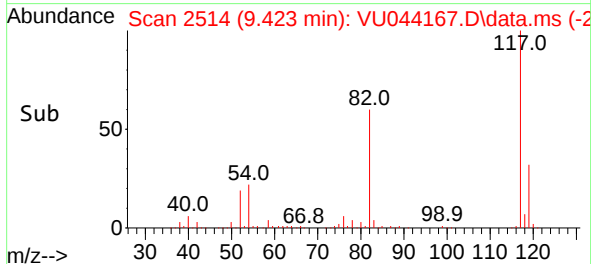
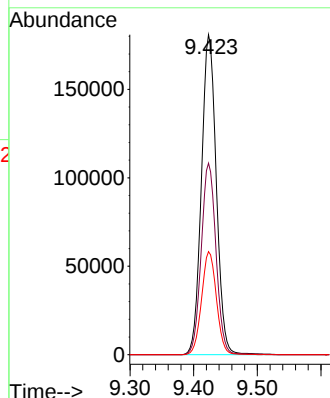
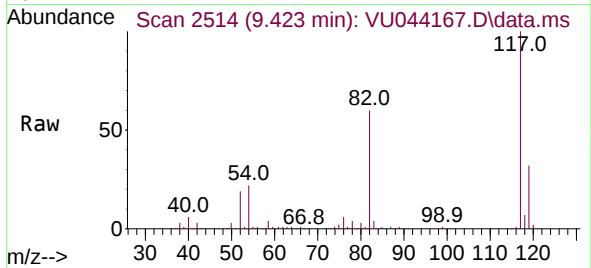




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

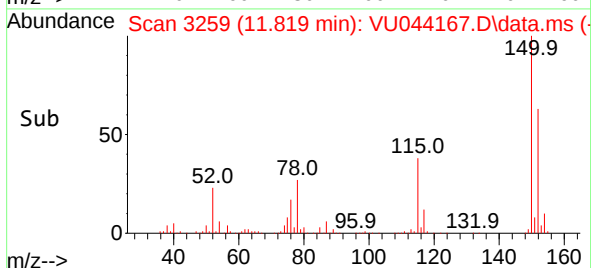
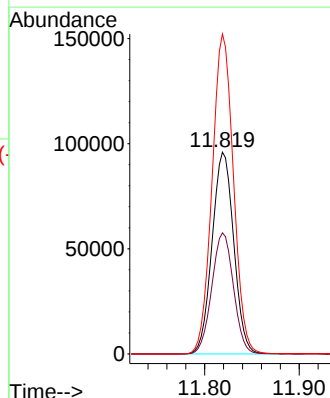
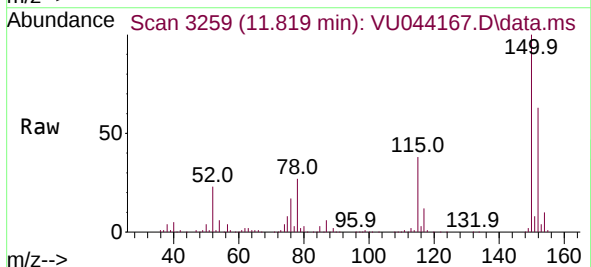
Instrument :
MSVOA_U
ClientSampleId :

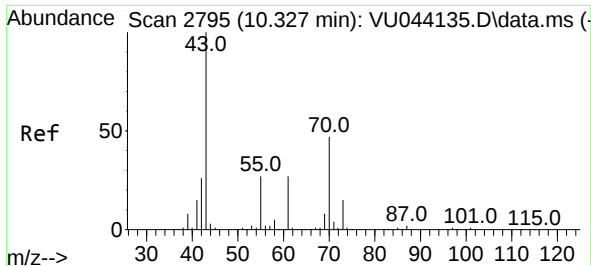
Tgt Ion:117 Resp: 294027
Ion Ratio Lower Upper
117 100
82 59.9 48.8 73.2
119 32.2 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion:152 Resp: 152810
Ion Ratio Lower Upper
152 100
115 60.1 43.8 131.3
150 156.2 0.0 350.6

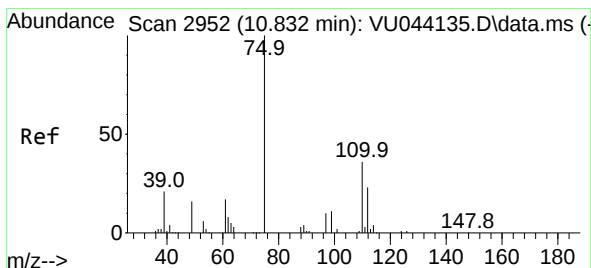
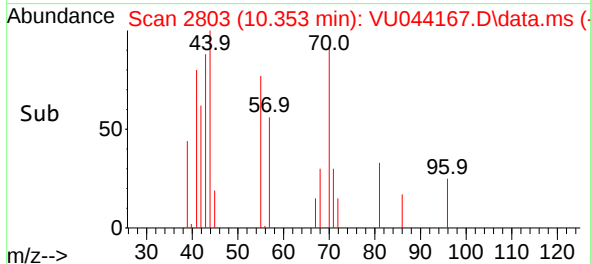
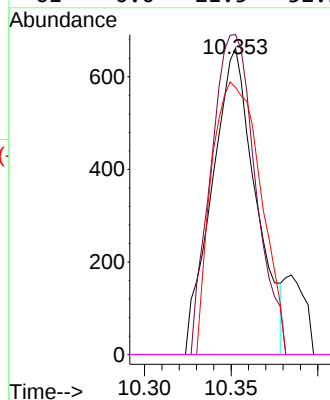
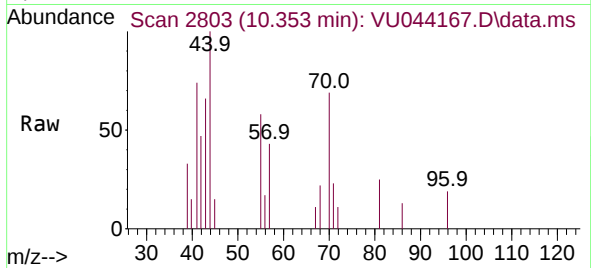




#74
N-amy1 acetate
Concen: 0.252 ug/l
RT: 10.353 min Scan# 2803
Delta R.T. 0.026 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

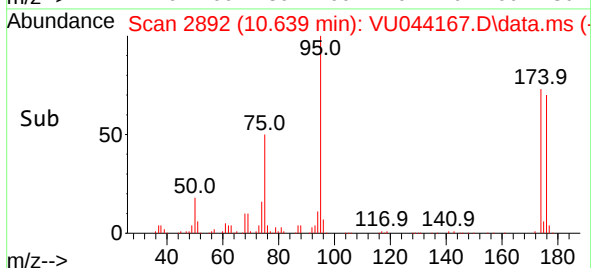
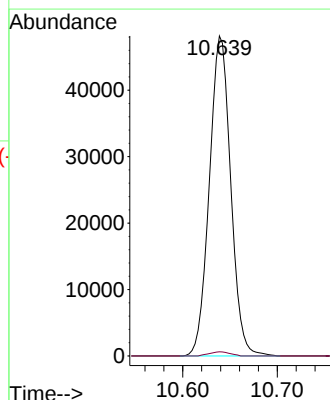
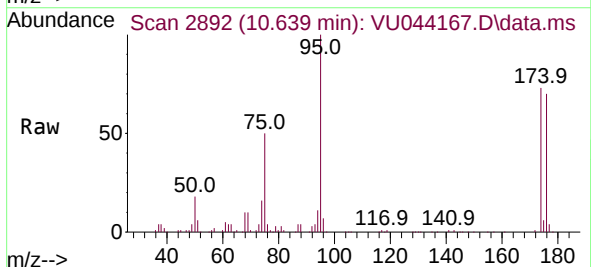
Instrument :
MSVOA_U
ClientSampleId :

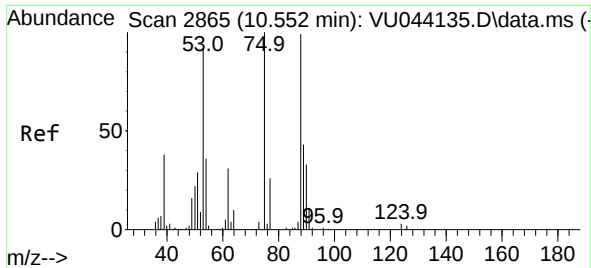
Tgt Ion: 43	Resp: 1160
Ion Ratio	Lower Upper
43	100
70	106.6 37.7 56.5#
55	99.9 22.4 33.6#
61	0.0 21.5 32.3#



#76
1,2,3-Trichloropropane
Concen: 14.751 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion: 75	Resp: 75575
Ion Ratio	Lower Upper
75	100
77	1.3 14.9 44.5#

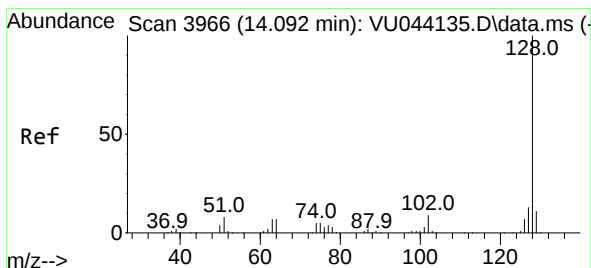
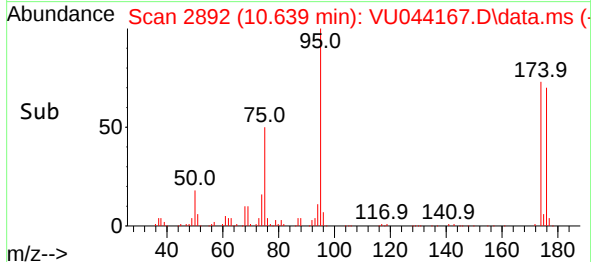
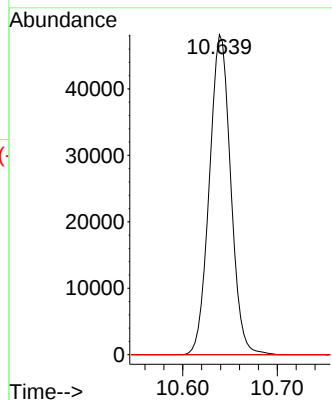
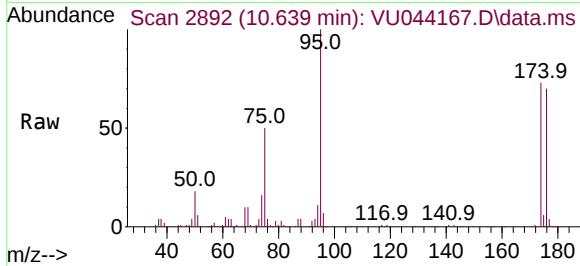




#81
trans-1,4-Dichloro-2-butene
Concen: 53.472 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 75575
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: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044167.D
Acq: 10 Jun 2021 19:41

Tgt Ion:128 Resp: 343
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

