

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044111.D
 Acq On : 08 Jun 2021 13:28
 Operator : SY/MD
 Sample : M2612-34
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:13:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 17:38:51 2021
 Response via : Initial Calibration

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

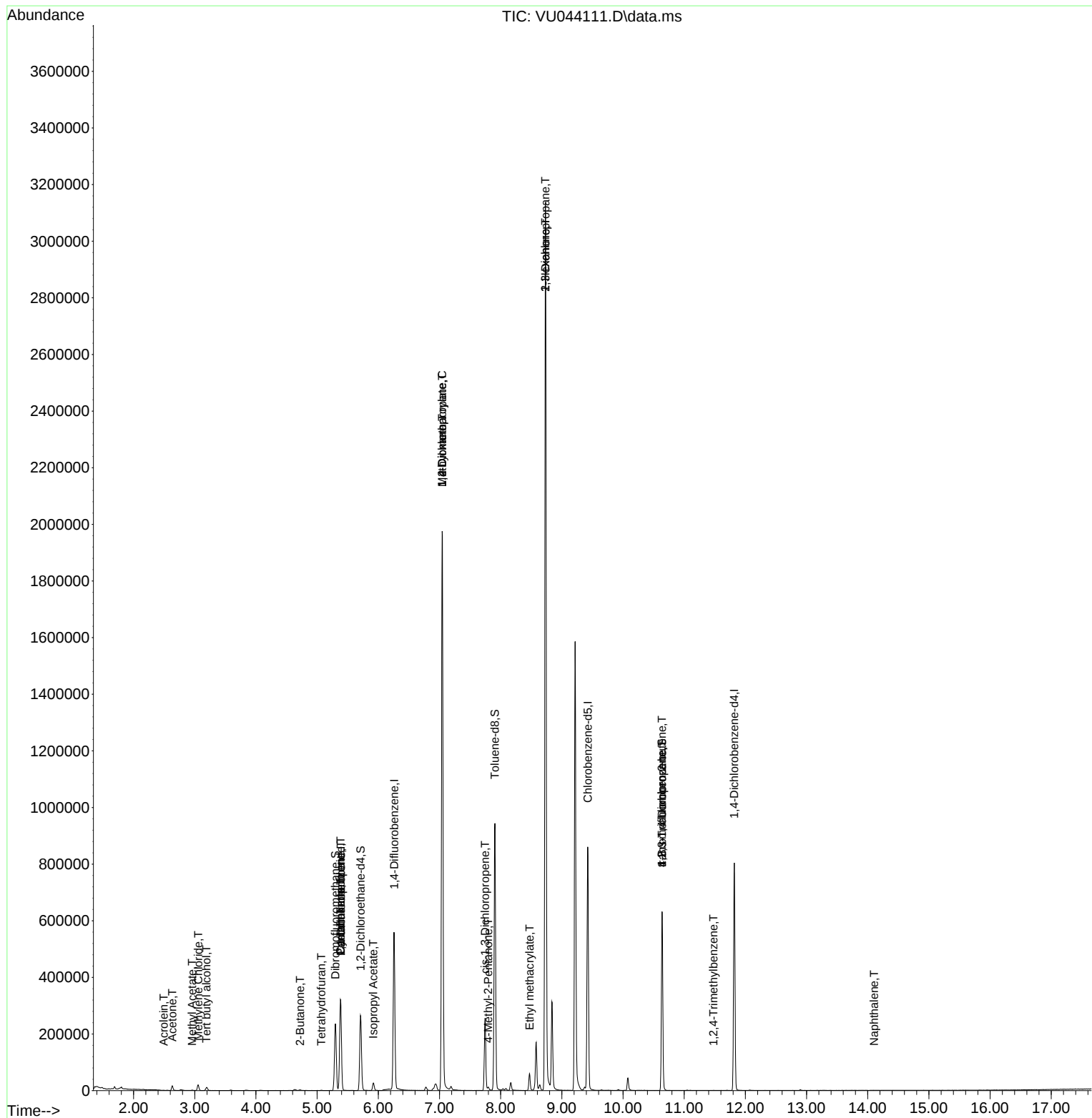
Internal Standards						
1) Pentafluorobenzene	5.385	168	211522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	427857	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	454267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	202527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195297	53.015	ug/l	0.00
Spiked Amount	50.000		Recovery	= 106.040%		
35) Dibromofluoromethane	5.298	113	151954	49.768	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.540%		
50) Toluene-d8	7.906	98	596777	50.673	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.340%		
62) 4-Bromofluorobenzene	10.639	95	215427	46.201	ug/l	0.00
Spiked Amount	50.000		Recovery	= 92.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	849	Below Cal		95
11) Tert butyl alcohol	3.192	59	7102	7.776	ug/l #	74
13) Acrolein	2.494	56	317	0.441	ug/l	91
16) Acetone	2.633	43	18255	8.586	ug/l	95
18) Methyl Acetate	2.957	43	2286	0.488	ug/l #	79
20) Methylene Chloride	3.057	84	9509	1.329	ug/l	94
25) 2-Butanone	4.723	43	3482	1.148	ug/l	95
29) Tetrahydrofuran	5.070	42	850	0.505	ug/l #	65
31) Cyclohexane	5.382	56	5066	0.996	ug/l #	1
36) 1,1-Dichloropropene	5.385	75	20031	4.156	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22608	5.191	ug/l #	18
43) Isopropyl Acetate	5.919	43	28056	3.267	ug/l	99
45) 1,2-Dichloropropane	7.044	63	2433	0.614	ug/l #	42
48) Methyl methacrylate	7.044	41	162380	38.351	ug/l #	40
49) 1,4-Dioxane	7.044	88	213	2.046	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	7117	1.116	ug/l #	85
54) cis-1,3-Dichloropropene	7.745	75	44719	7.586	ug/l #	66
56) Ethyl methacrylate	8.475	69	312	3.431	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	31222	4.810	ug/l #	42
59) 2-Hexanone	8.732	43	411687	83.078	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	110006	19.417	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	110006	56.696	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	67	0.954	ug/l #	32
95) Naphthalene	14.105	128	138	2.855	ug/l #	69

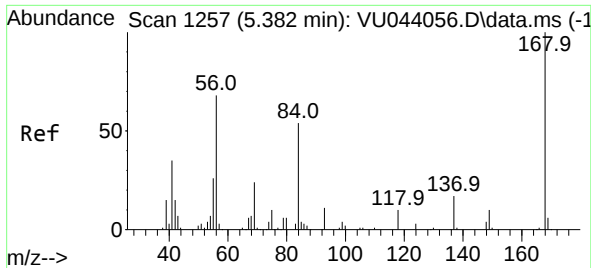
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

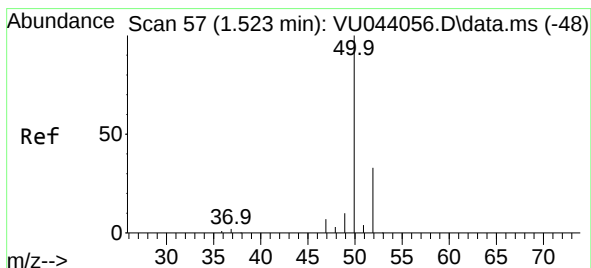
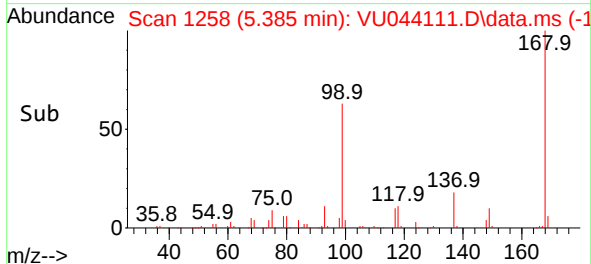
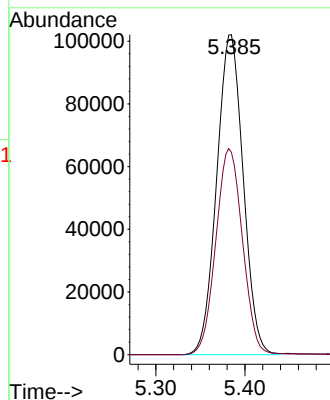
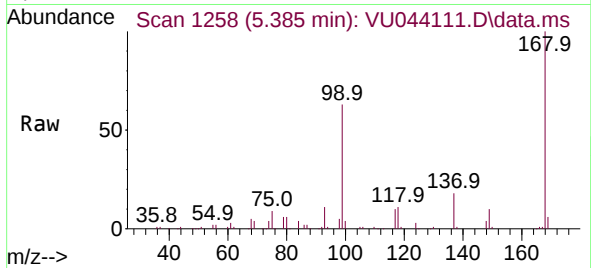




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

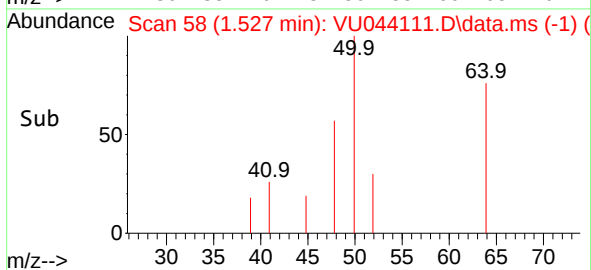
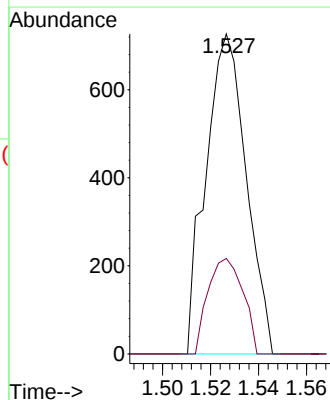
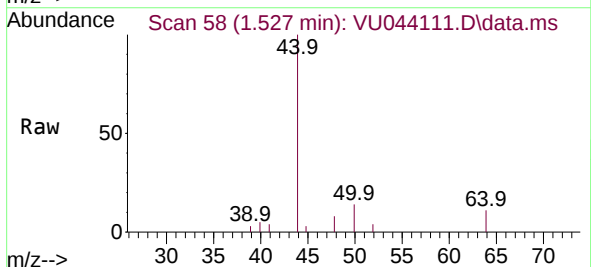
Instrument :
MSVOA_U
ClientSampled :

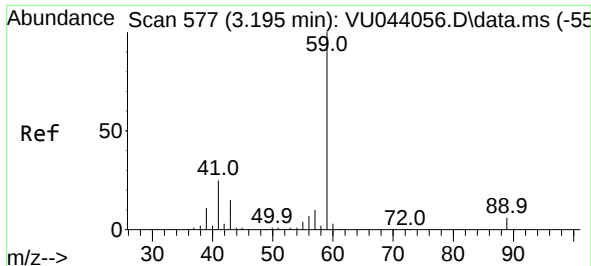
Tgt Ion:168 Resp: 211522
Ion Ratio Lower Upper
168 100
99 63.2 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 50 Resp: 849
Ion Ratio Lower Upper
50 100
52 29.8 26.2 39.2



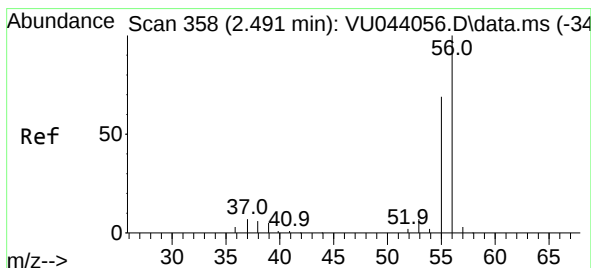
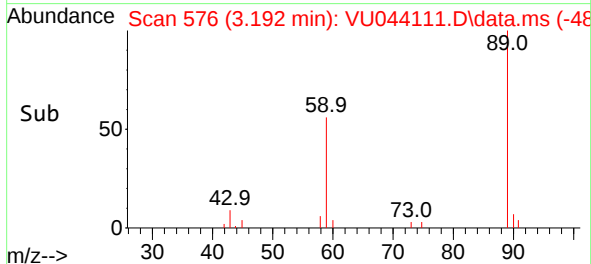
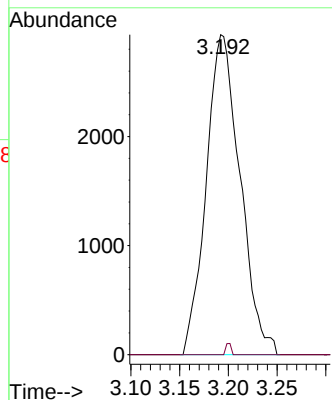
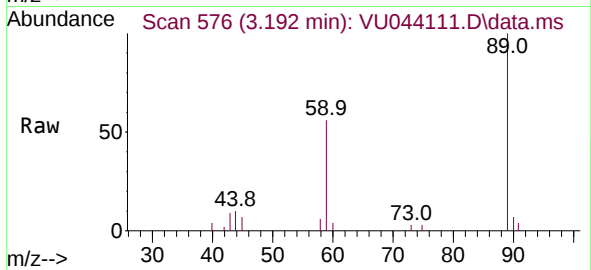


#11

Tert butyl alcohol
Concen: 7.776 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

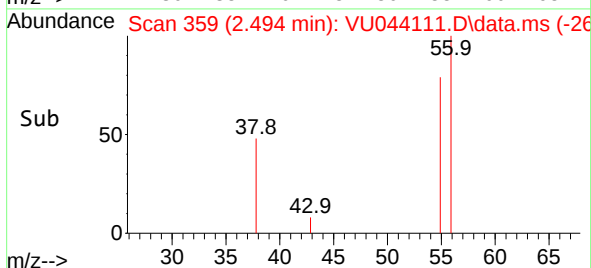
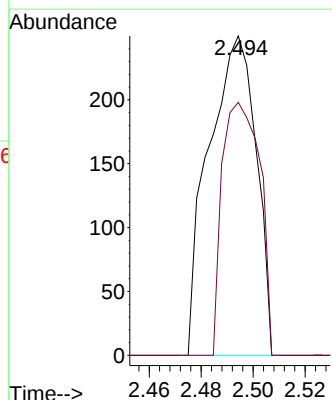
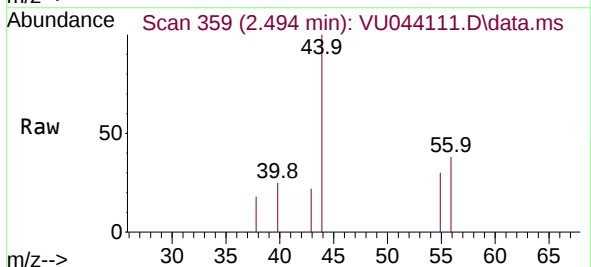
Tgt Ion: 59 Resp: 7102
Ion Ratio Lower Upper
59 100
57 0.6 8.2 12.4#

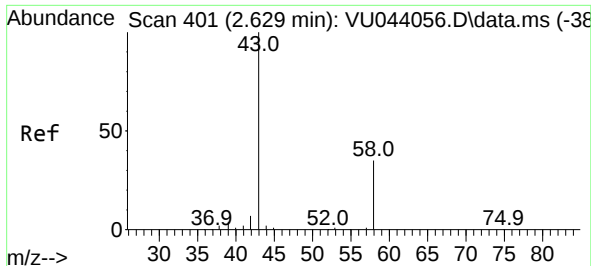


#13

Acrolein
Concen: 0.441 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.003 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 62.8 56.1 84.1

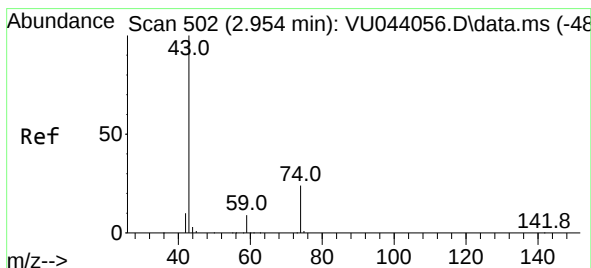
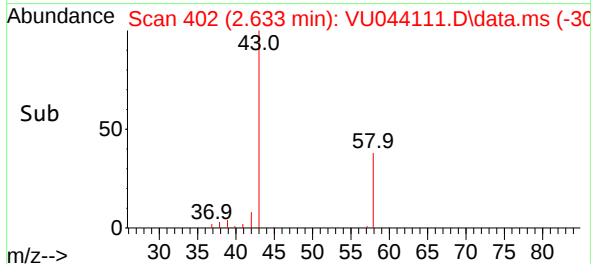
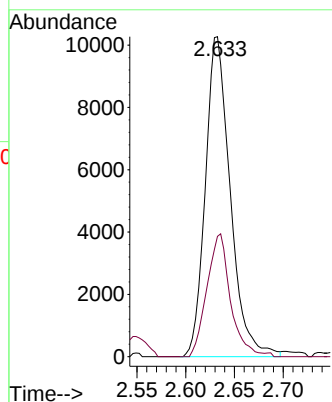
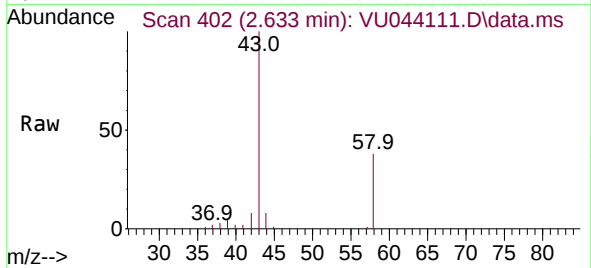




#16
Acetone
Concen: 8.586 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

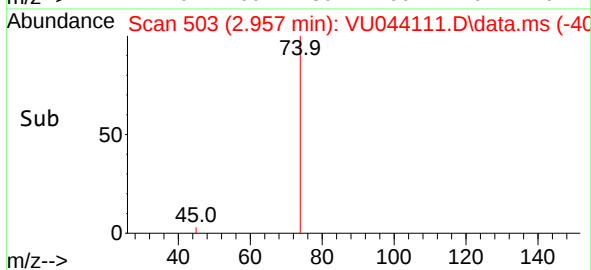
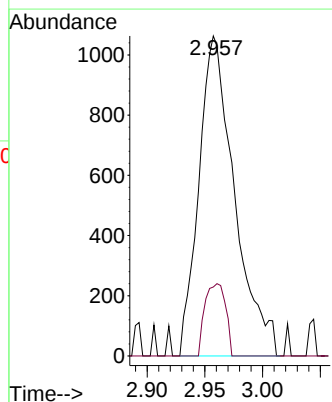
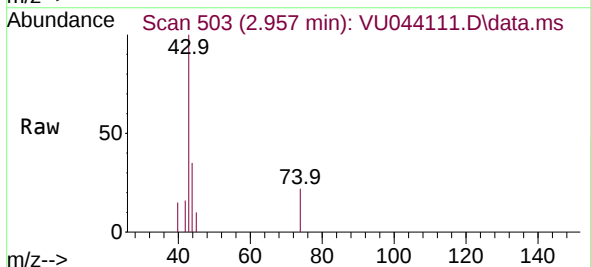
Instrument :
MSVOA_U
ClientSampleId :

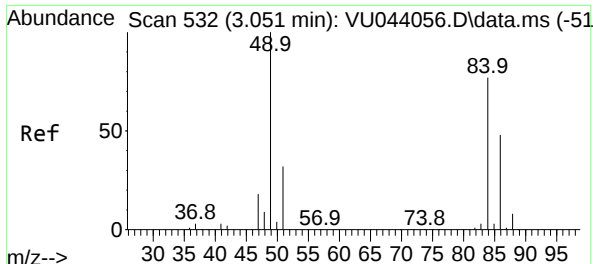
Tgt Ion: 43 Resp: 18255
Ion Ratio Lower Upper
43 100
58 37.6 27.7 41.5



#18
Methyl Acetate
Concen: 0.488 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

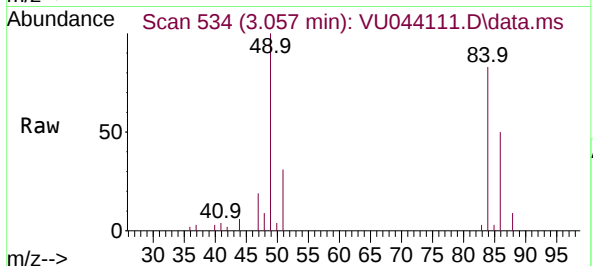
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
74 13.0 18.7 28.1#



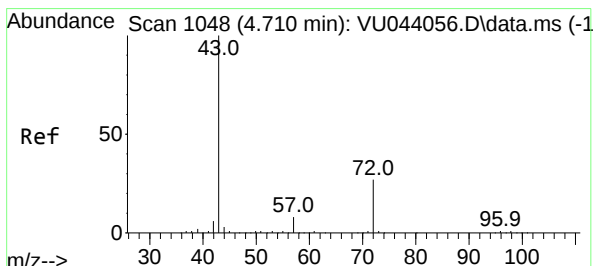
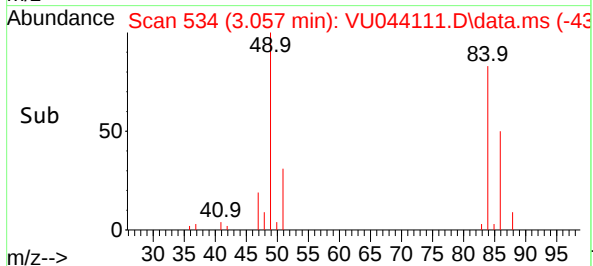
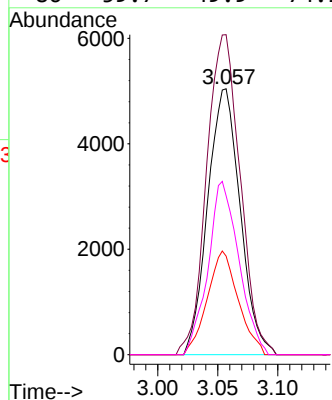


#20
Methylene Chloride
Concen: 1.329 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Instrument :
MSVOA_U
ClientSampleId :

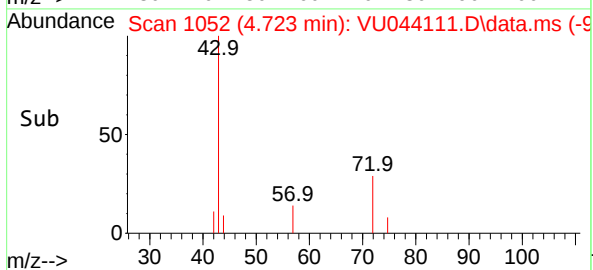
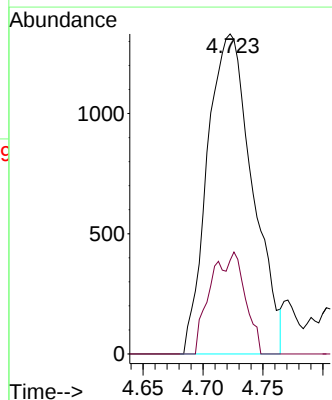
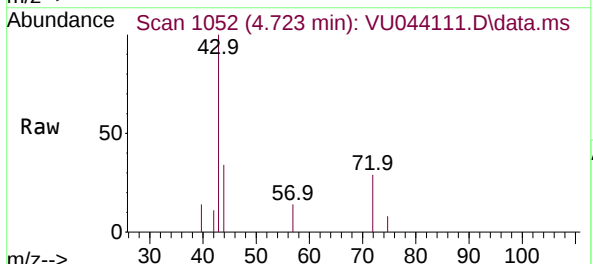


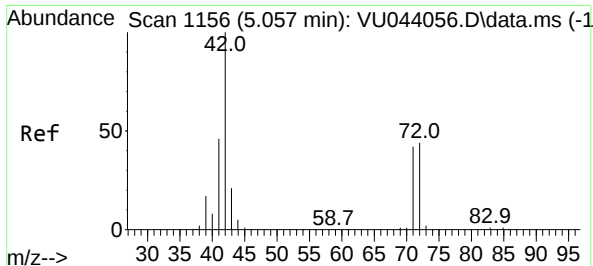
Tgt Ion:	84	Resp:	9509
Ion	Ratio	Lower	Upper
84	100		
49	120.3	103.6	155.4
51	37.1	32.8	49.2
86	59.7	49.9	74.9



#25
2-Butanone
Concen: 1.148 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion:	43	Resp:	3482
Ion	Ratio	Lower	Upper
43	100		
72	29.2	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 5.070 min Scan# 1160

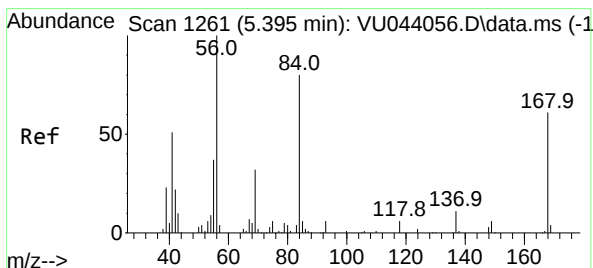
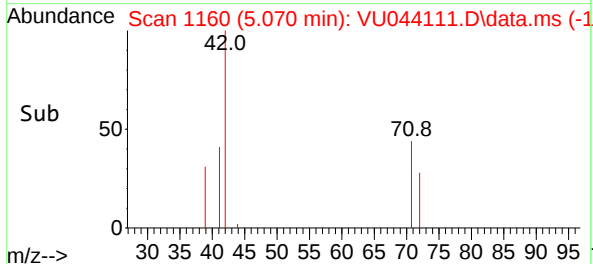
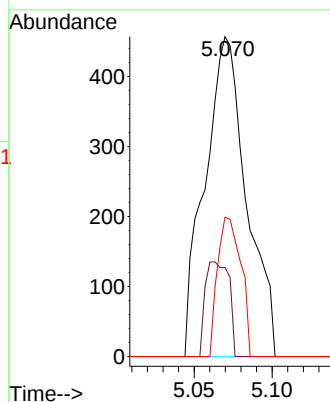
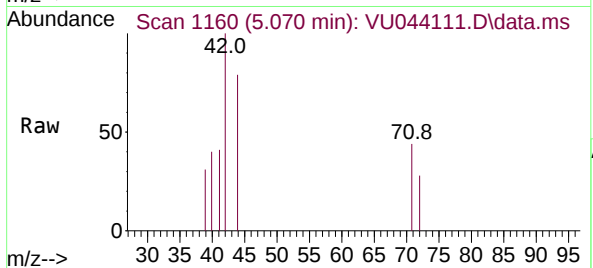
Delta R.T. 0.013 min

Lab File: VU044111.D

Acq: 08 Jun 2021 13:28

Instrument :
MSVOA_U
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Tgt Ion:	42	Resp:	850
Ion	Ratio	Lower	Upper
42	100		
72	16.7	35.6	53.4#
71	24.2	33.3	49.9#



#31

Cyclohexane

Concen: 0.996 ug/l

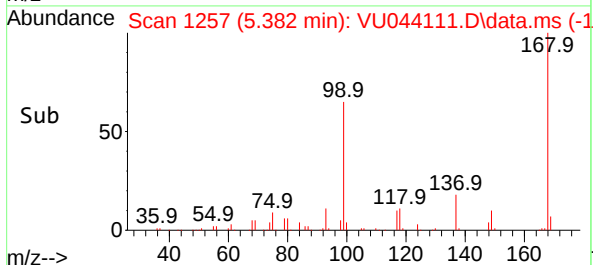
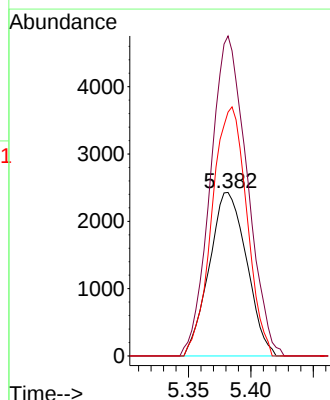
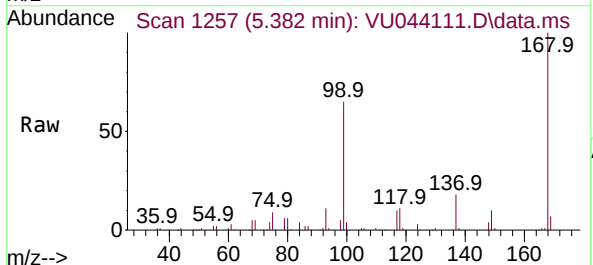
RT: 5.382 min Scan# 1257

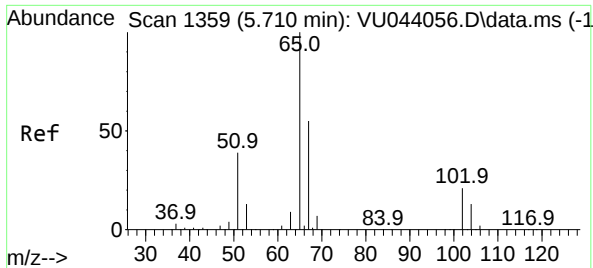
Delta R.T. -0.013 min

Lab File: VU044111.D

Acq: 08 Jun 2021 13:28

Tgt Ion:	56	Resp:	5066
Ion	Ratio	Lower	Upper
56	100		
69	195.8	25.4	38.2#
84	149.2	64.2	96.2#

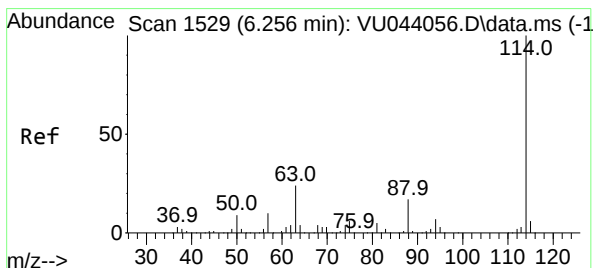
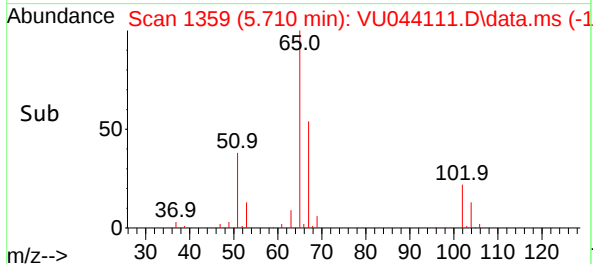
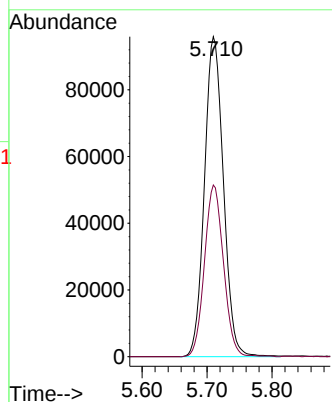
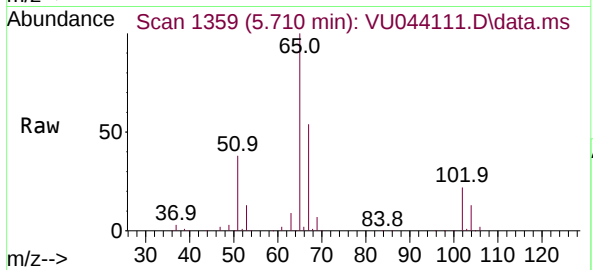




#33
1,2-Dichloroethane-d4
Concen: 53.015 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

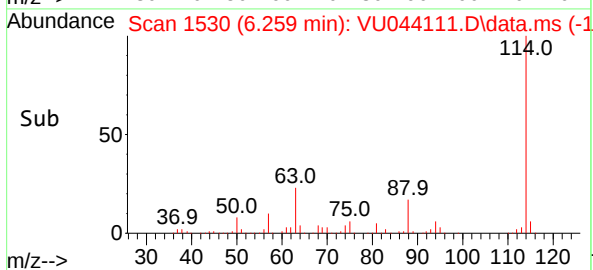
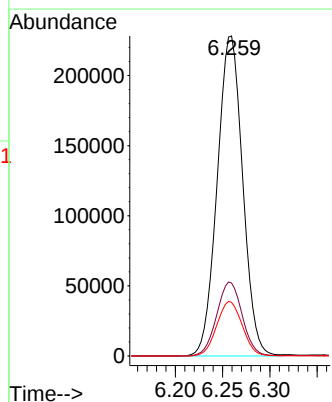
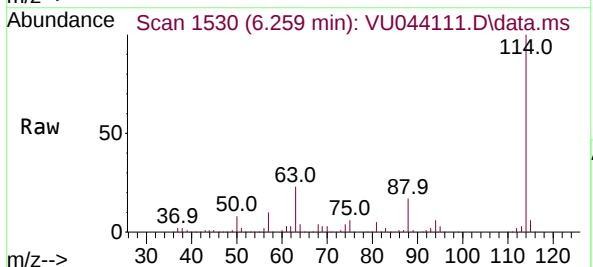
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MSVOA_U
ClientSampleId :

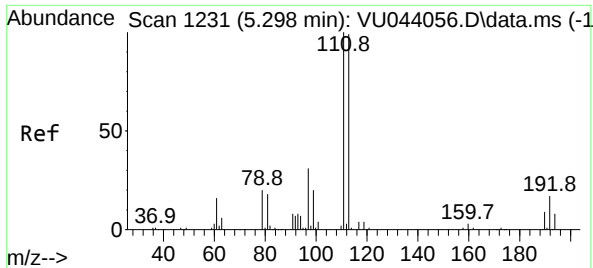
Tgt Ion: 65 Resp: 195297
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion:114 Resp: 427857
Ion Ratio Lower Upper
114 100
63 22.8 0.0 48.4
88 16.7 0.0 34.4

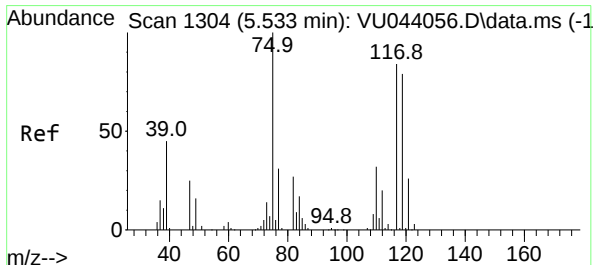
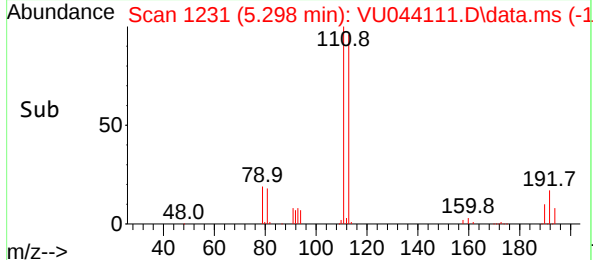
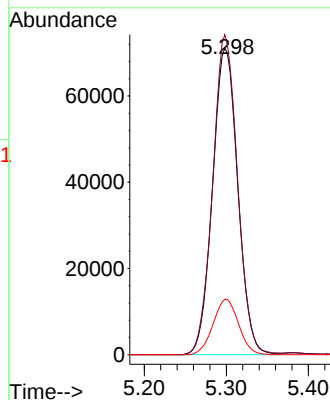
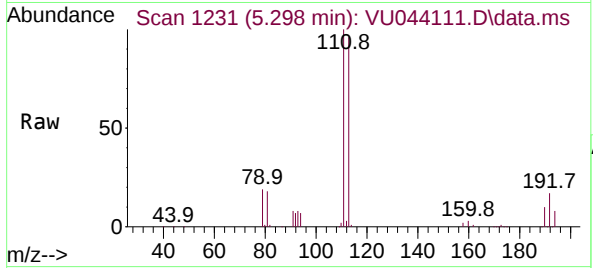




#35
Dibromofluoromethane
Concen: 49.768 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

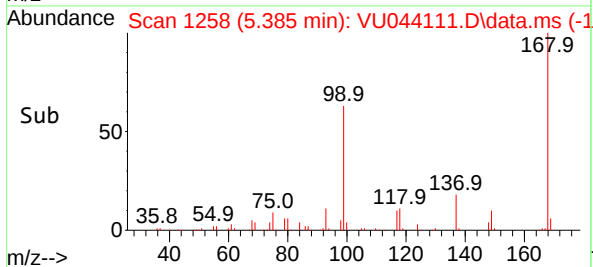
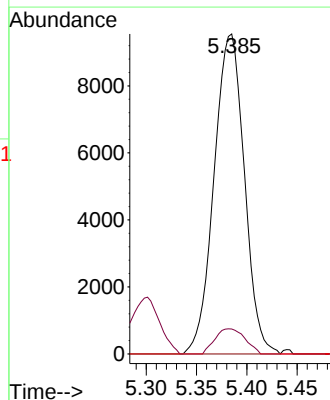
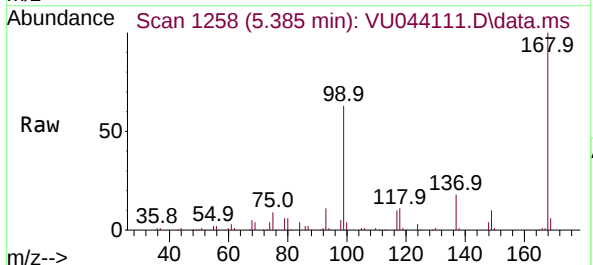
Instrument :
MSVOA_U
ClientSampleId :

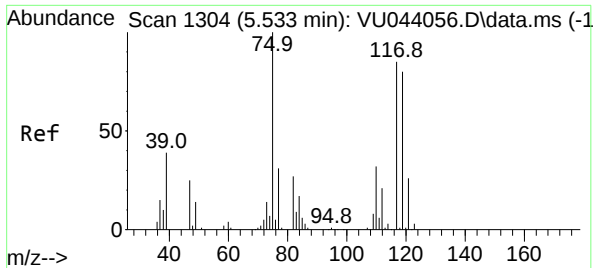
Tgt Ion:113 Resp: 151954
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 18.2 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.156 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

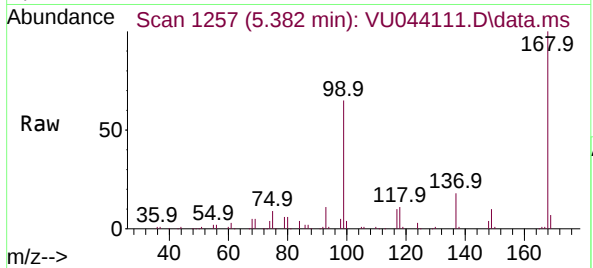
Tgt Ion: 75 Resp: 20031
Ion Ratio Lower Upper
75 100
110 7.8 15.9 47.7#
77 0.0 25.0 37.4#



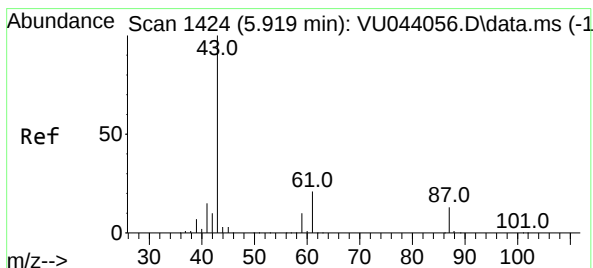
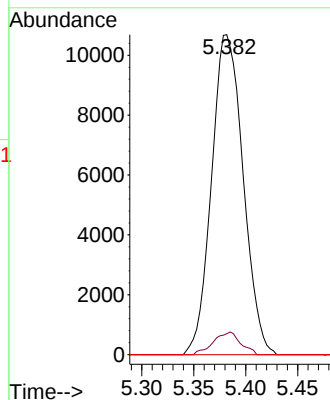
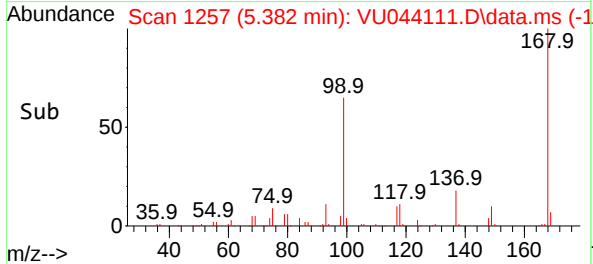


#38
Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

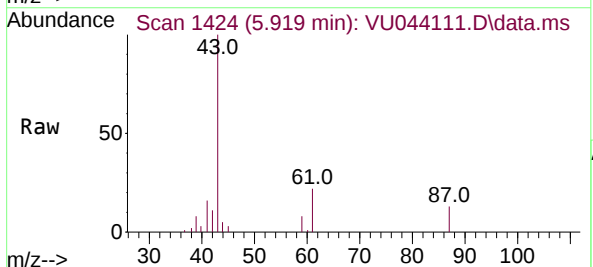
Instrument :
MSVOA_U
ClientSampled :



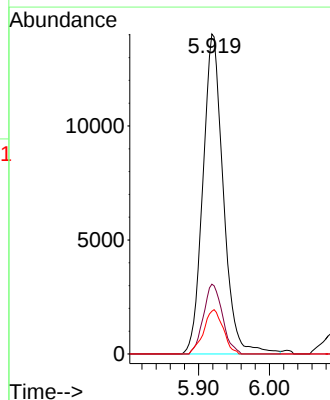
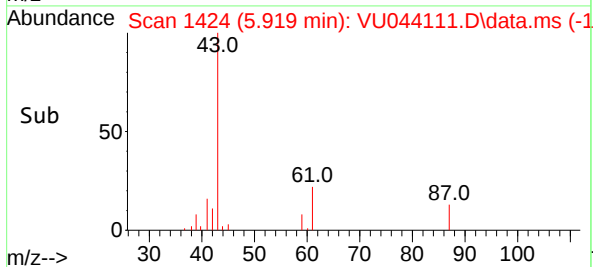
Tgt Ion:117 Resp: 22608
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.5 36.7#

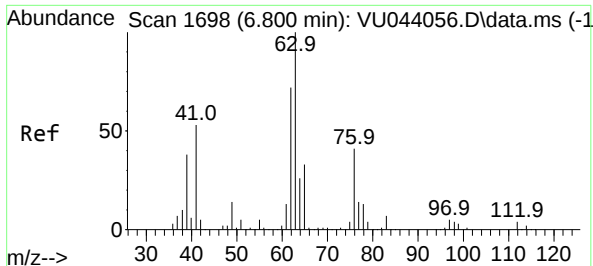


#43
Isopropyl Acetate
Concen: 3.267 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28



Tgt Ion: 43 Resp: 28056
Ion Ratio Lower Upper
43 100
61 20.3 16.8 25.2
87 13.2 10.2 15.2



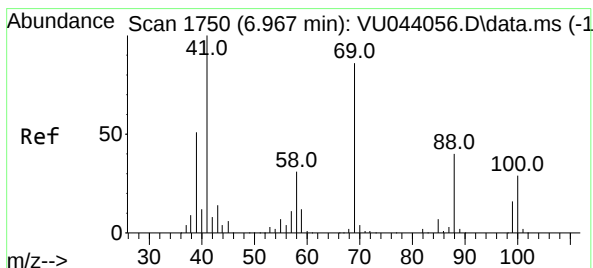
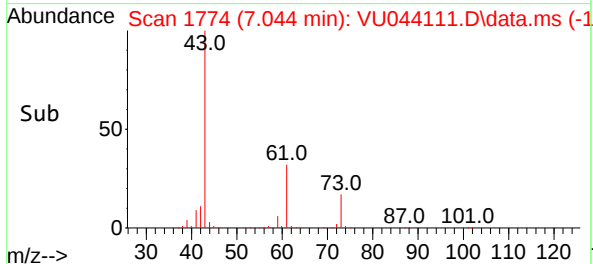
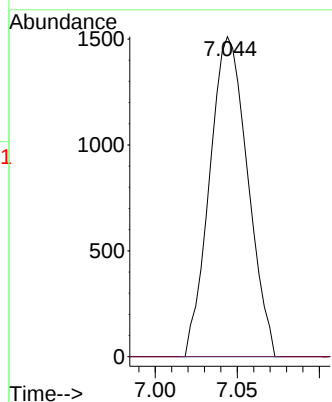
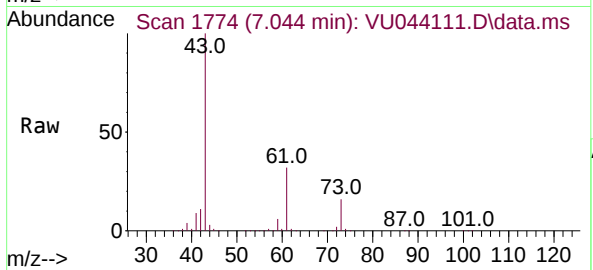


#45

1,2-Dichloropropane
Concen: 0.614 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

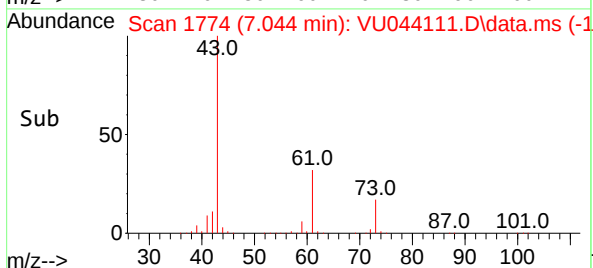
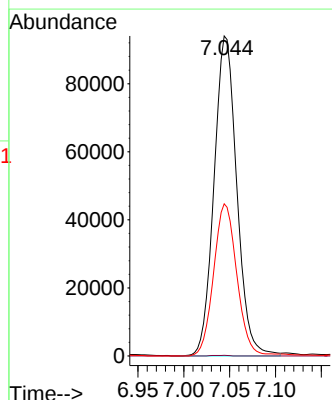
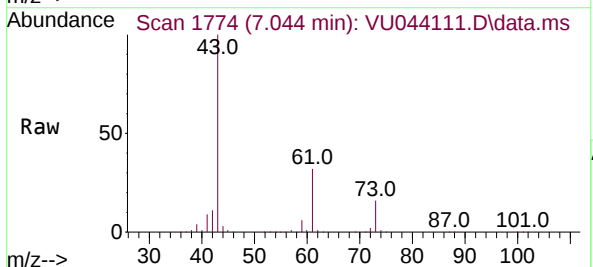
Tgt Ion: 63 Resp: 2433
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

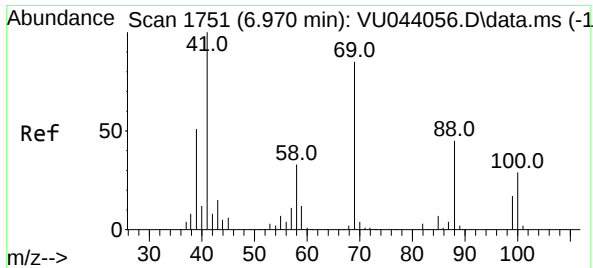


#48

Methyl methacrylate
Concen: 38.351 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.077 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 41 Resp: 162380
Ion Ratio Lower Upper
41 100
69 0.1 68.9 103.3#
39 49.0 40.6 60.8





#49

1,4-Dioxane

Concen: 2.046 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044111.D

Acq: 08 Jun 2021 13:28

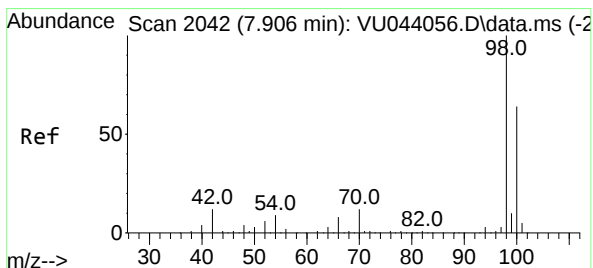
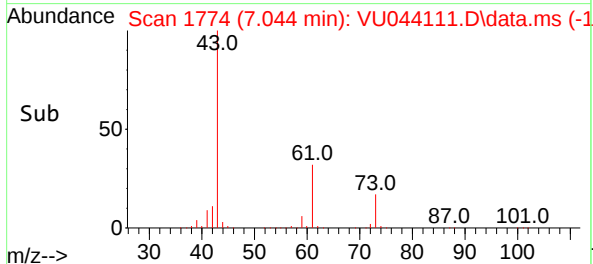
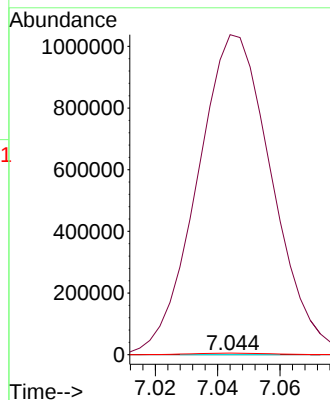
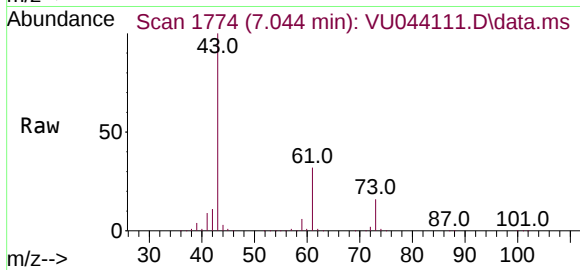
Tgt Ion: 88 Resp: 213

Ion Ratio Lower Upper

88 100

43 826831.0 25.0 37.4#

58 4370.0 60.0 90.0#



#50

Toluene-d8

Concen: 50.673 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044111.D

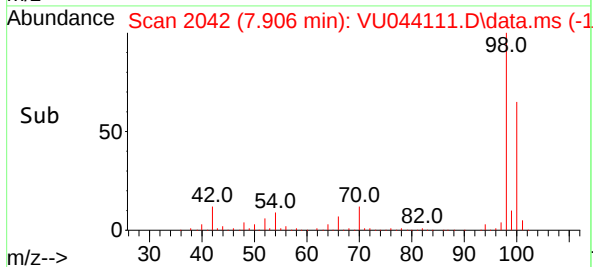
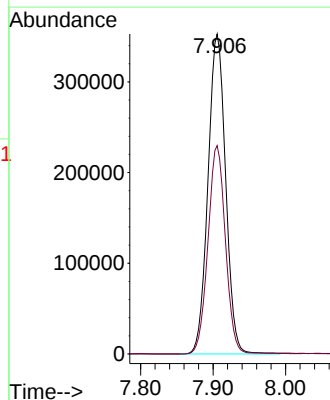
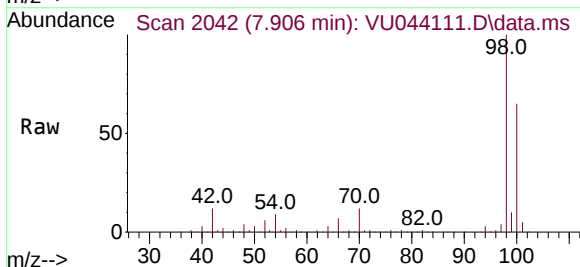
Acq: 08 Jun 2021 13:28

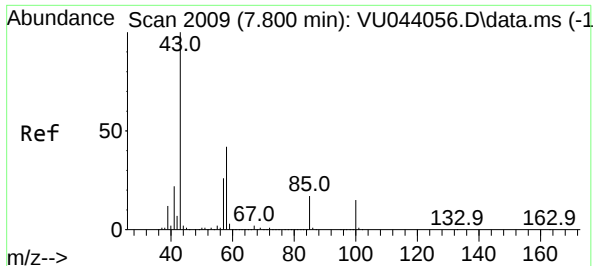
Tgt Ion: 98 Resp: 596777

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4

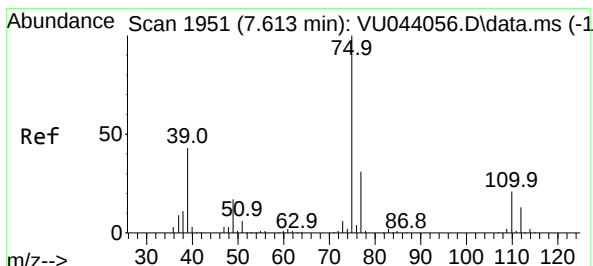
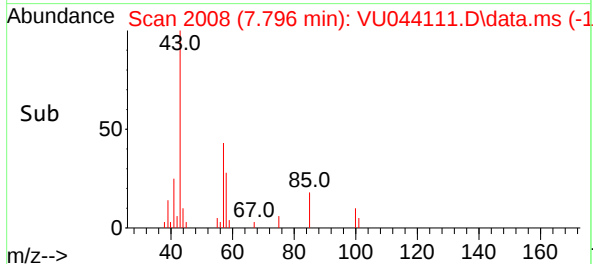
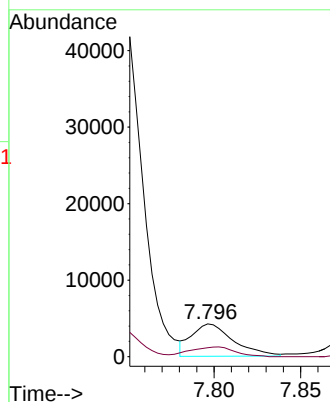
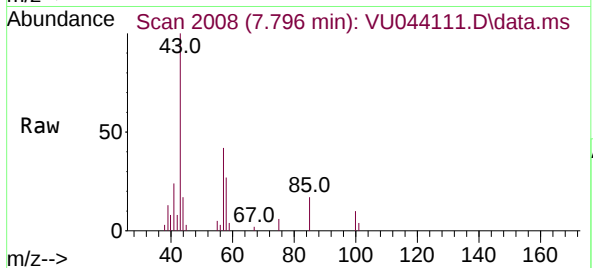




#51
4-Methyl-2-Pentanone
Concen: 1.116 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

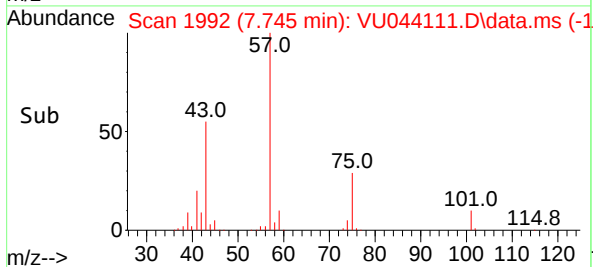
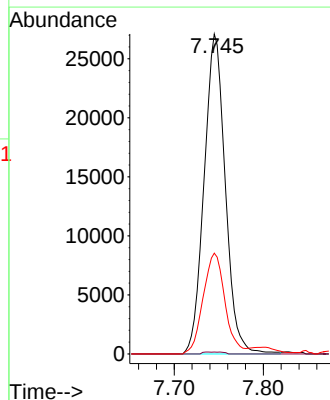
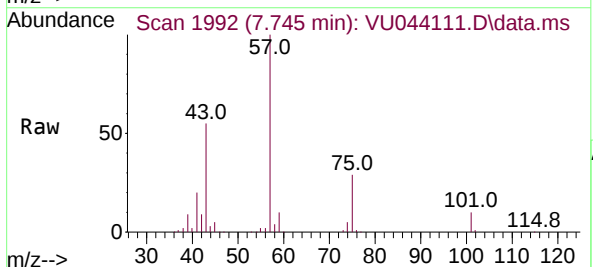
Instrument :
MSVOA_U
ClientSampled :

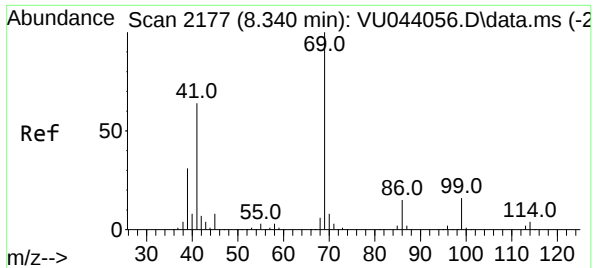
Tgt Ion: 43 Resp: 7117
Ion Ratio Lower Upper
43 100
58 32.4 33.3 49.9#



#54
cis-1,3-Dichloropropene
Concen: 7.586 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 75 Resp: 44719
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 31.5 34.7 52.1#

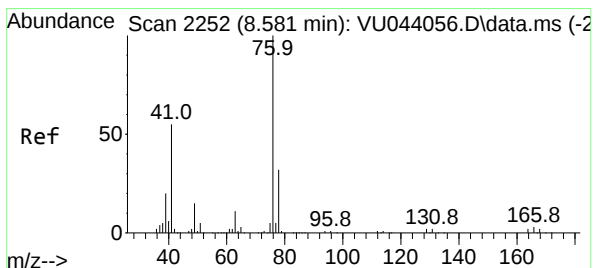
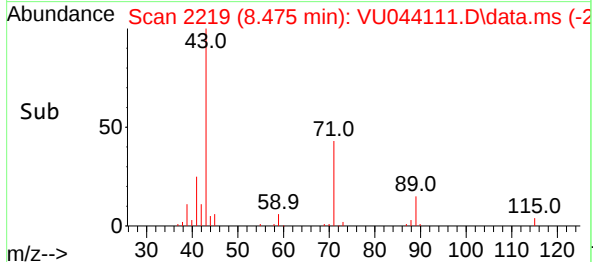
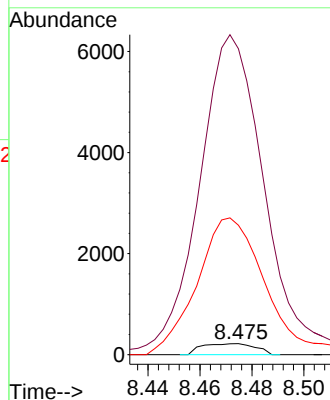
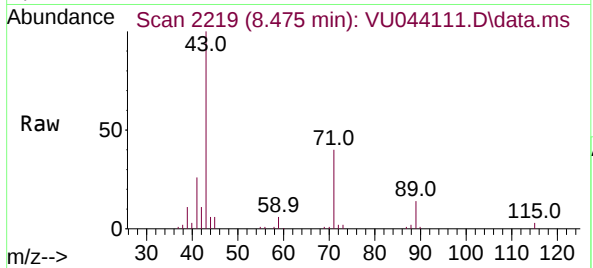




#56
Ethyl methacrylate
Concen: 3.431 ug/l
RT: 8.475 min Scan# 2219
Delta R.T. 0.135 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

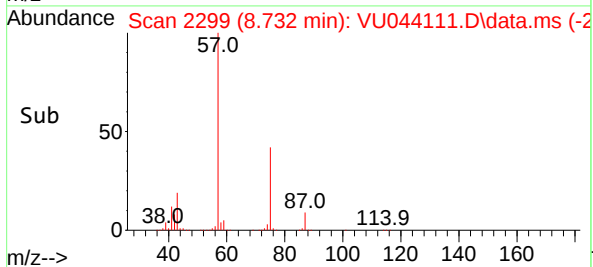
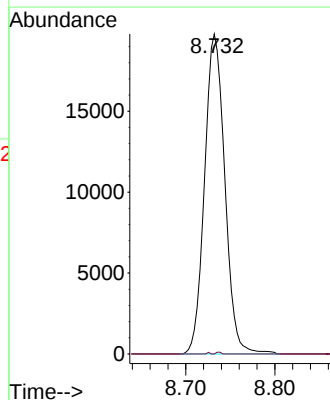
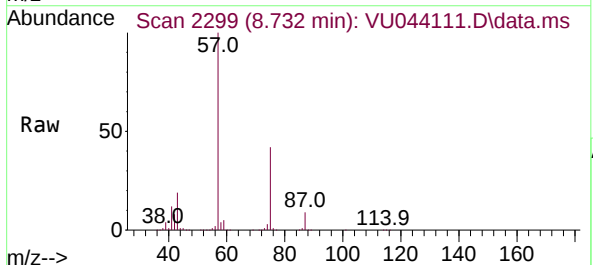
Instrument :
MSVOA_U
ClientSampled :

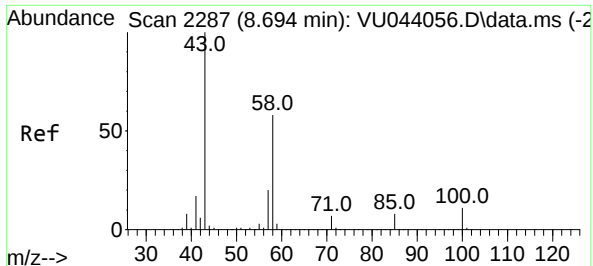
Tgt Ion: 69 Resp: 312
Ion Ratio Lower Upper
69 100
41 3554.2 51.4 77.0#
39 1600.3 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.810 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 76 Resp: 31222
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

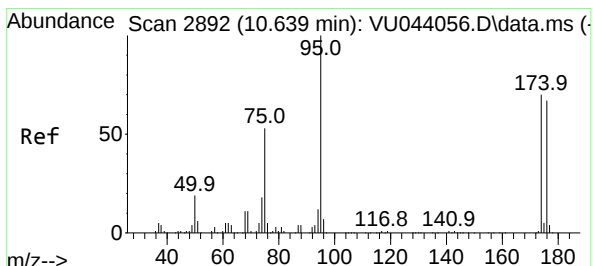
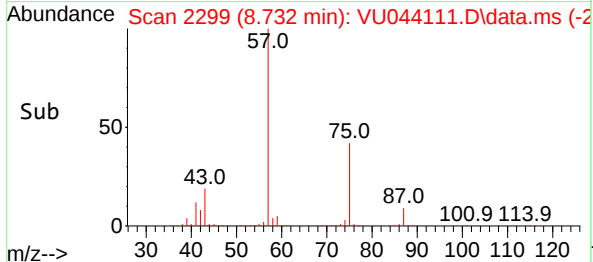
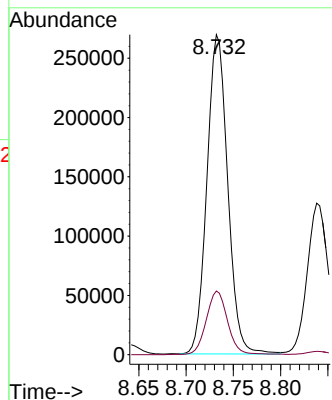
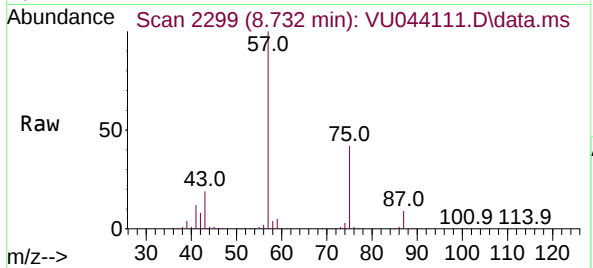




#59
2-Hexanone
Concen: 83.078 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

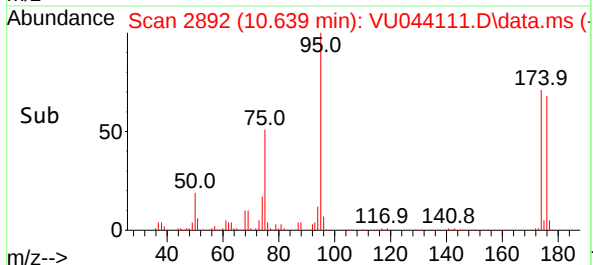
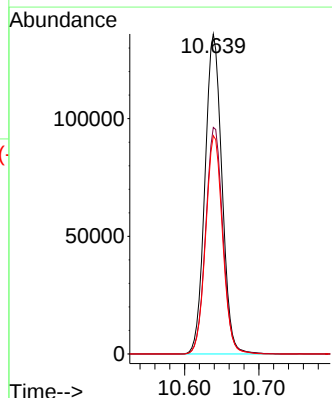
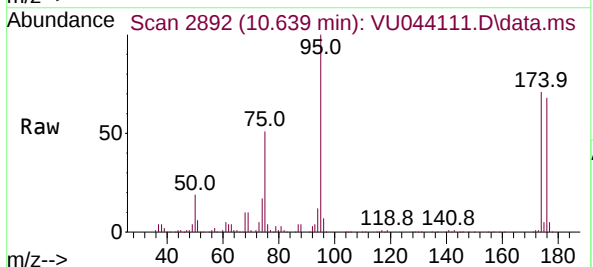
Instrument :
MSVOA_U
ClientSampleId :

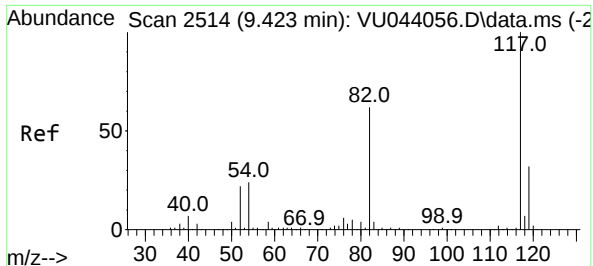
Tgt Ion: 43 Resp: 411687
Ion Ratio Lower Upper
43 100
58 20.5 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.201 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 95 Resp: 215427
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.0
176 68.1 0.0 135.2

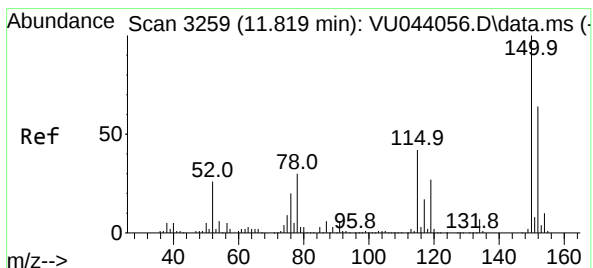
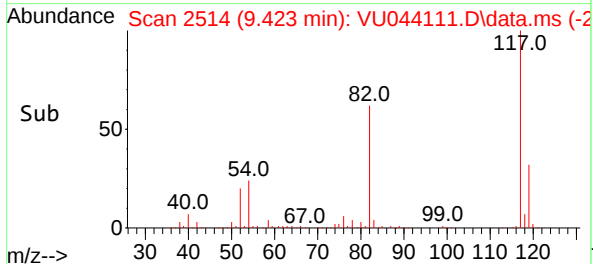
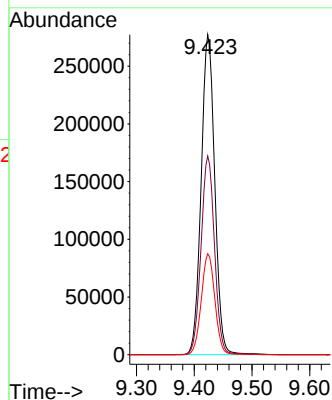
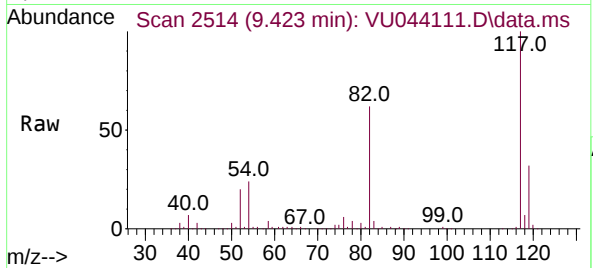




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

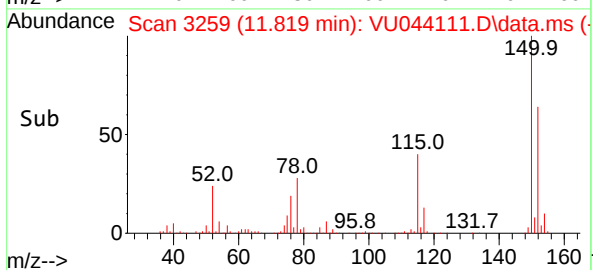
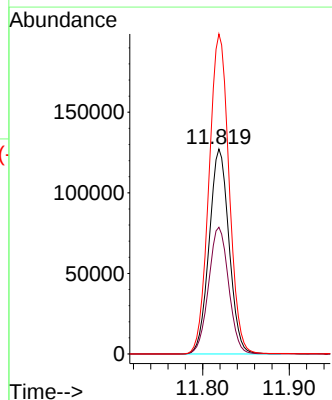
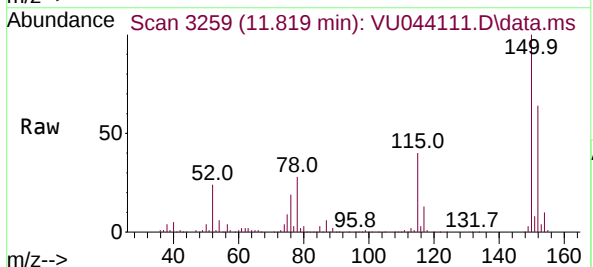
Instrument :
MSVOA_U
ClientSampleId :

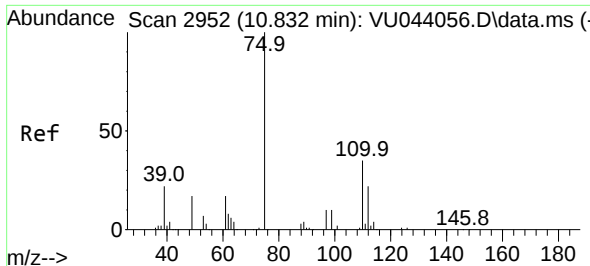
Tgt Ion:117 Resp: 454267
Ion Ratio Lower Upper
117 100
82 62.1 50.0 75.0
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion:152 Resp: 202527
Ion Ratio Lower Upper
152 100
115 62.5 44.6 134.0
150 157.8 0.0 347.8

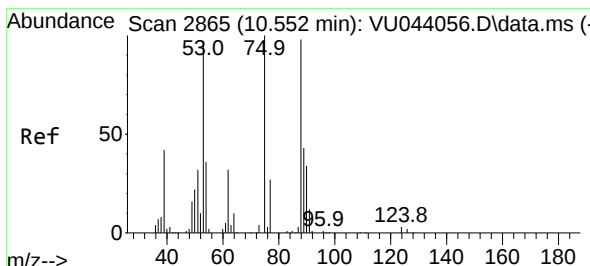
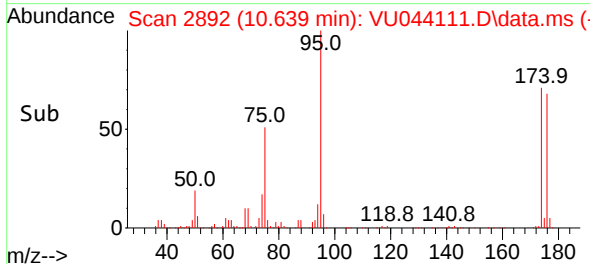
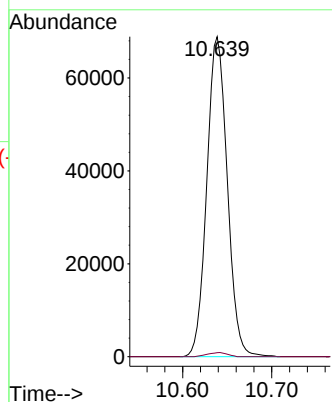
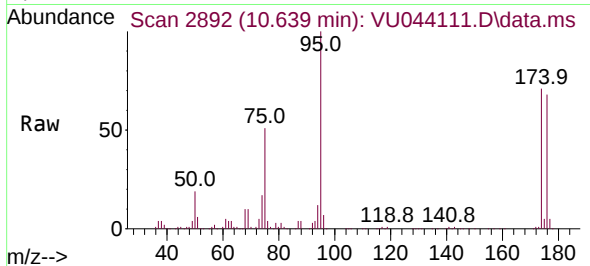




#76
1,2,3-Trichloropropane
Concen: 19.417 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

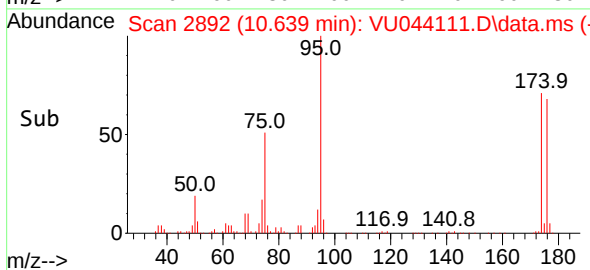
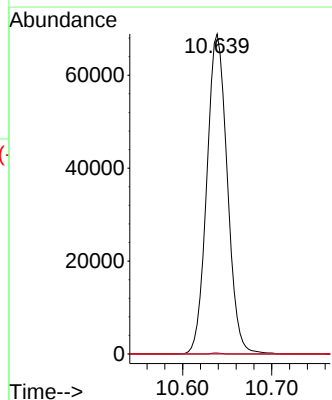
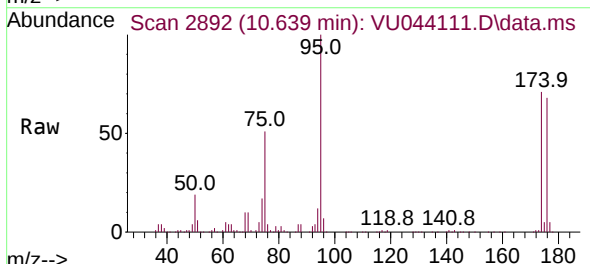
Instrument :
MSVOA_U
ClientSampled :

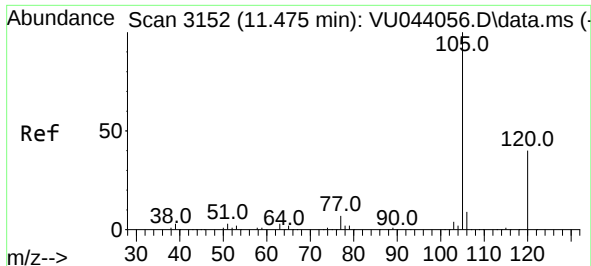
Tgt Ion: 75 Resp: 110006
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.696 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion: 75 Resp: 110006
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

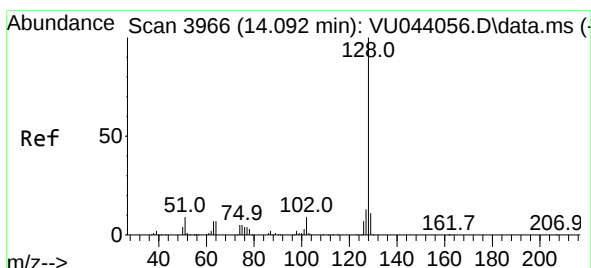
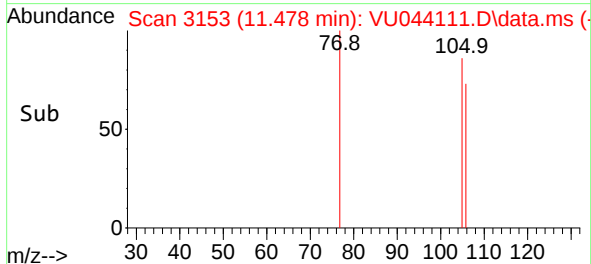
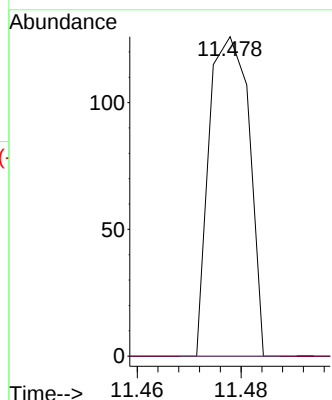
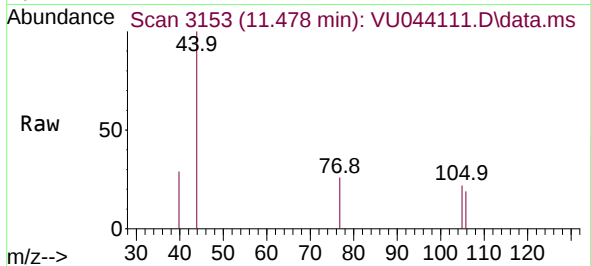




#84
1,2,4-Trimethylbenzene
Concen: 0.954 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 67
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.855 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.013 min
Lab File: VU044111.D
Acq: 08 Jun 2021 13:28

Tgt Ion:128 Resp: 138
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

