

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044104.D
 Acq On : 08 Jun 2021 10:44
 Operator : SY/MD
 Sample : M2612-27
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:11:42 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)

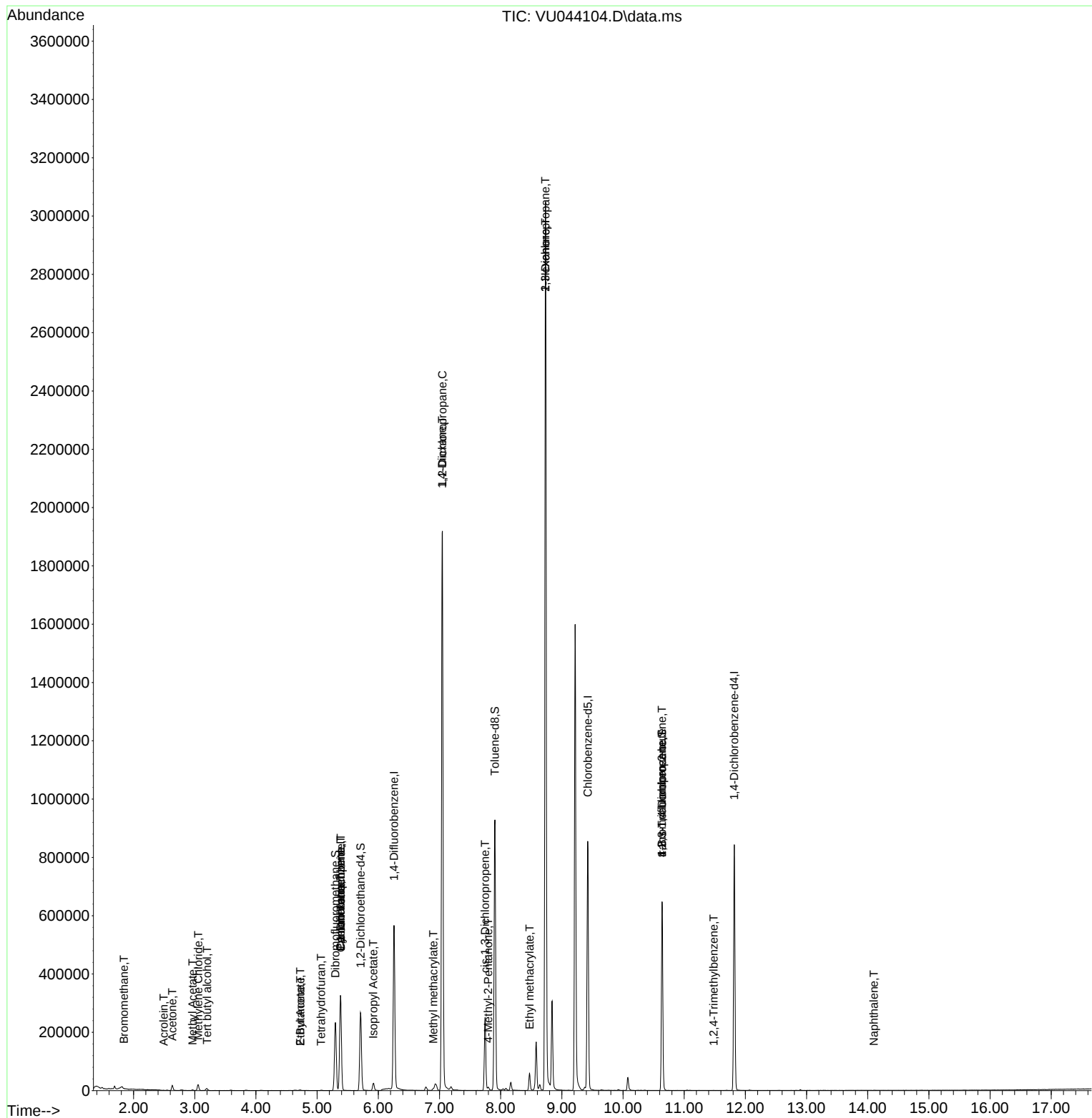
Internal Standards						
1) Pentafluorobenzene	5.382	168	211264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	429757	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	451190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	204711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195365	53.098	ug/l	0.00
Spiked Amount	50.000		Recovery	= 106.200%		
35) Dibromofluoromethane	5.298	113	149993	48.908	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.820%		
50) Toluene-d8	7.906	98	594420	50.249	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.500%		
62) 4-Bromofluorobenzene	10.639	95	217908	46.527	ug/l	0.00
Spiked Amount	50.000		Recovery	= 93.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	814	Below Cal	#	79
5) Bromomethane	1.842	94	390	0.240	ug/l	90
11) Tert butyl alcohol	3.202	59	4625	5.070	ug/l #	72
13) Acrolein	2.494	56	429	0.598	ug/l #	79
16) Acetone	2.633	43	19302	9.090	ug/l	97
18) Methyl Acetate	2.964	43	2392	0.511	ug/l	99
20) Methylene Chloride	3.057	84	9496	1.328	ug/l	95
25) 2-Butanone	4.726	43	3858	1.273	ug/l #	88
29) Tetrahydrofuran	5.063	42	767	0.456	ug/l #	51
31) Cyclohexane	5.382	56	5233	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19785	4.086	ug/l #	50
37) Ethyl Acetate	4.726	43	3858	0.633	ug/l #	68
38) Carbon Tetrachloride	5.385	117	23041	5.267	ug/l #	18
43) Isopropyl Acetate	5.919	43	26361	3.056	ug/l	100
45) 1,2-Dichloropropane	7.047	63	2258	0.567	ug/l #	42
48) Methyl methacrylate	6.899	41	9403	2.211	ug/l #	14
49) 1,4-Dioxane	7.044	88	95	0.909	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	6765	1.056	ug/l	96
54) cis-1,3-Dichloropropene	7.745	75	43613	7.366	ug/l #	66
56) Ethyl methacrylate	8.475	69	345	3.436	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	30543	4.684	ug/l #	42
59) 2-Hexanone	8.732	43	407488	81.867	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	112589	19.661	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	112589	57.409	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	135	0.959	ug/l #	32
95) Naphthalene	14.102	128	399	2.872	ug/l #	69

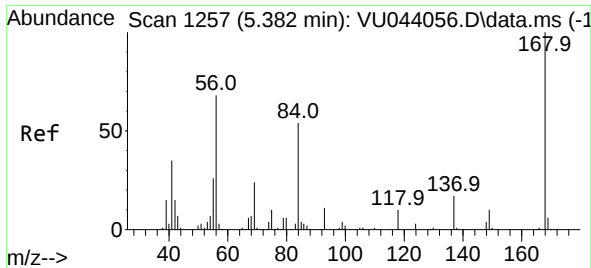
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 08 17:38:51 2021
Response via : Initial Calibration

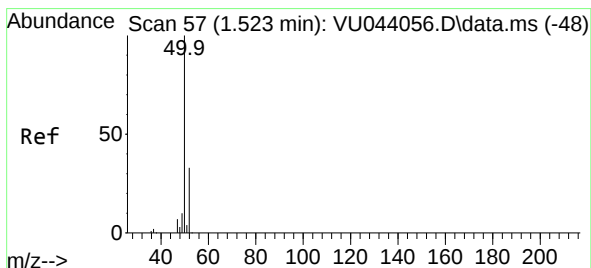
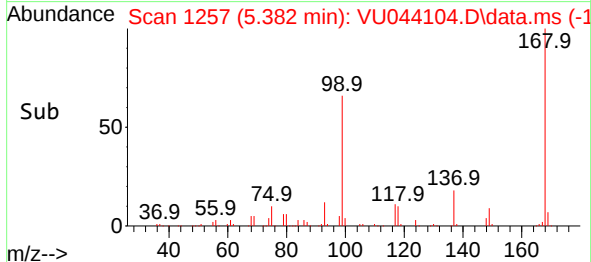
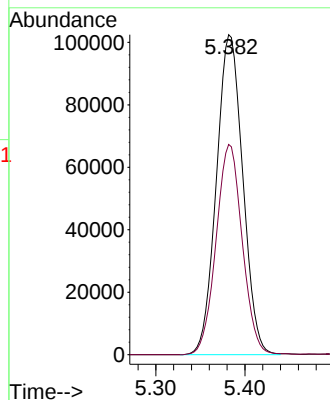
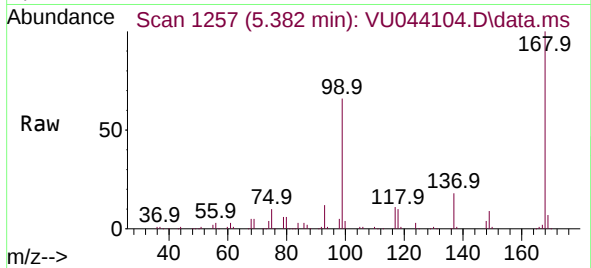




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

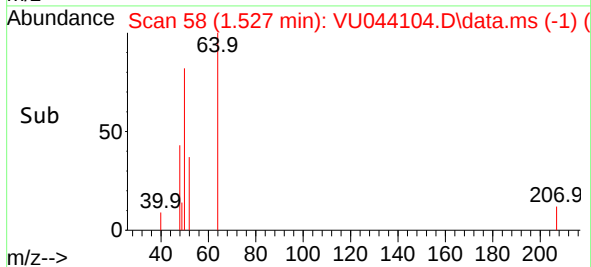
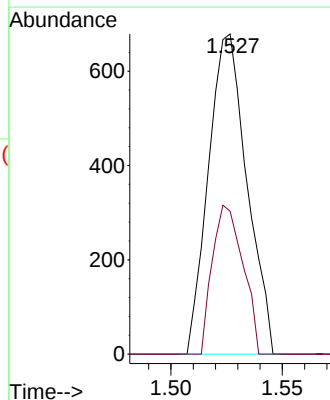
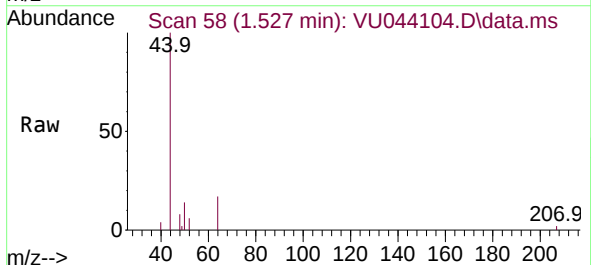
Instrument :
MSVOA_U
ClientSampled :

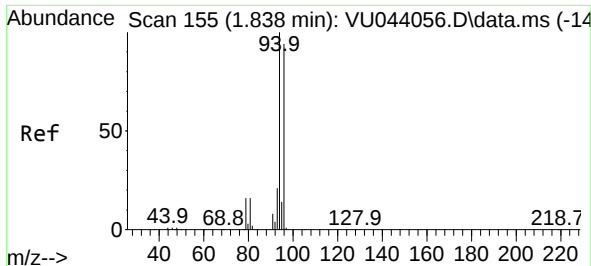
Tgt Ion:168 Resp: 211264
Ion Ratio Lower Upper
168 100
99 65.7 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 50 Resp: 814
Ion Ratio Lower Upper
50 100
52 44.6 26.2 39.2#

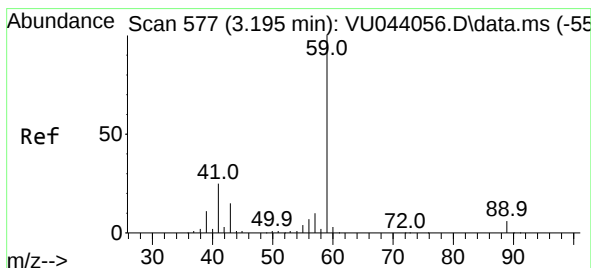
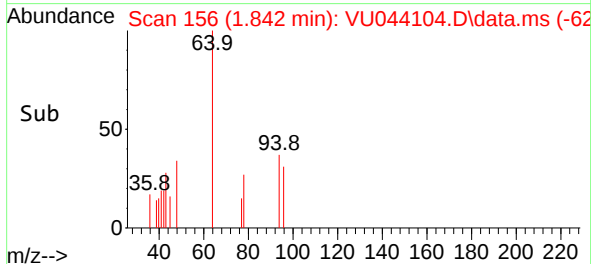
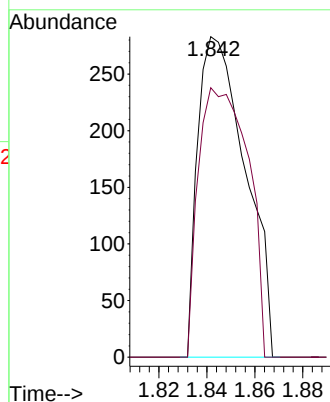
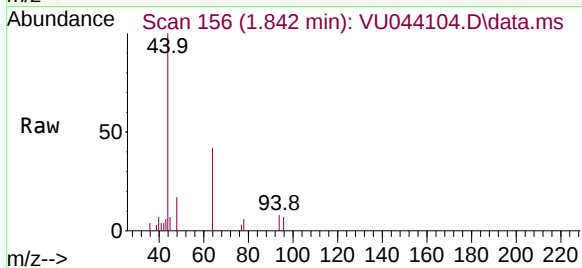




#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

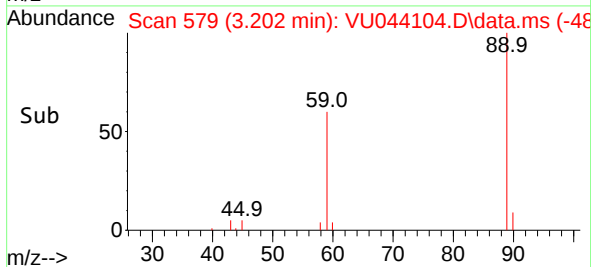
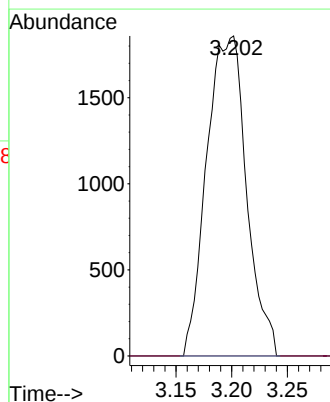
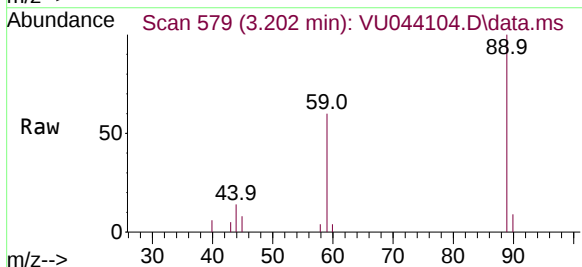
Instrument :
MSVOA_U
ClientSampled :

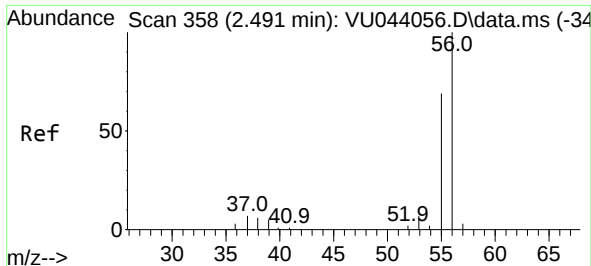
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 84.1 74.8 112.2



#11
Tert butyl alcohol
Concen: 5.070 ug/l
RT: 3.202 min Scan# 579
Delta R.T. 0.007 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 59 Resp: 4625
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

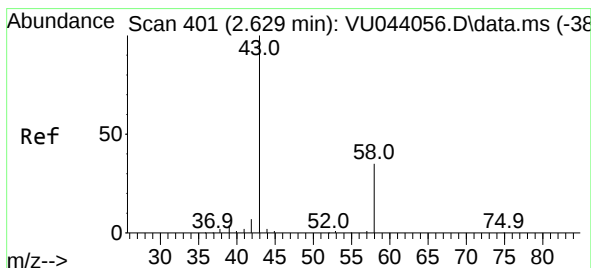
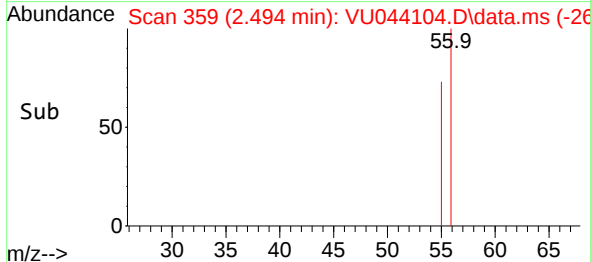
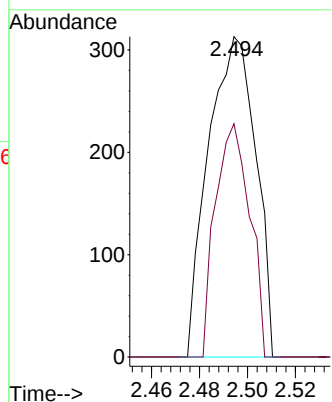
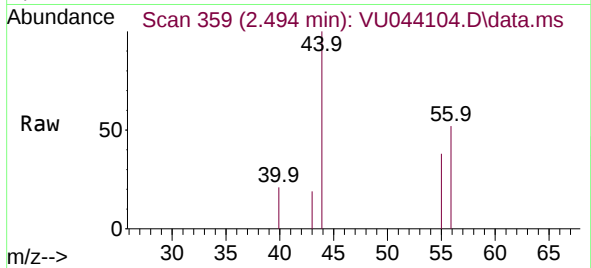




#13
Acrolein
Concen: 0.598 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.003 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

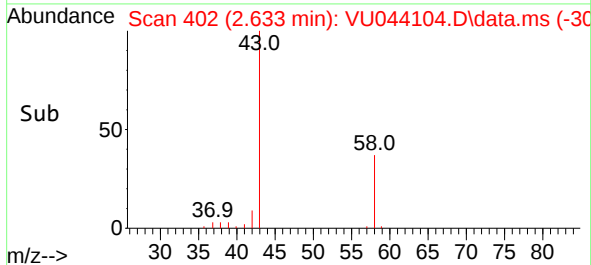
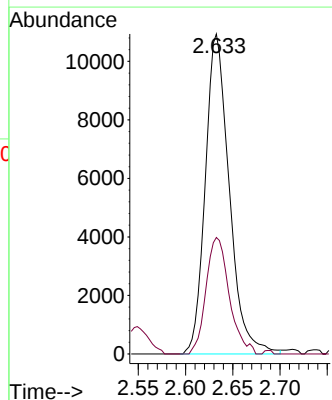
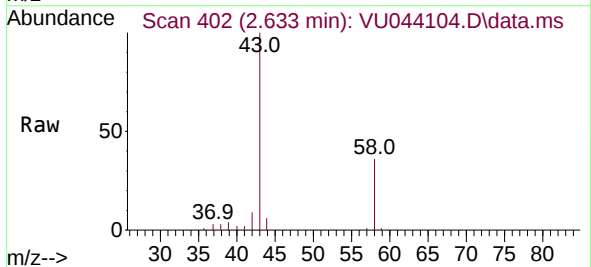
Instrument :
MSVOA_U
ClientSampled :

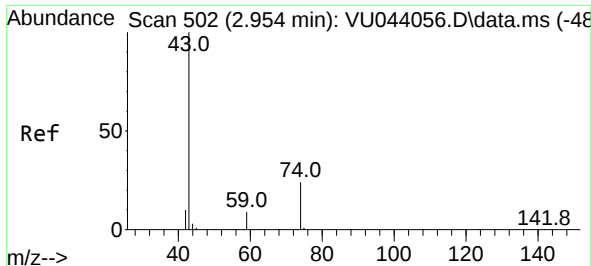
Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
55 52.7 56.1 84.1#



#16
Acetone
Concen: 9.090 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 43 Resp: 19302
Ion Ratio Lower Upper
43 100
58 36.4 27.7 41.5

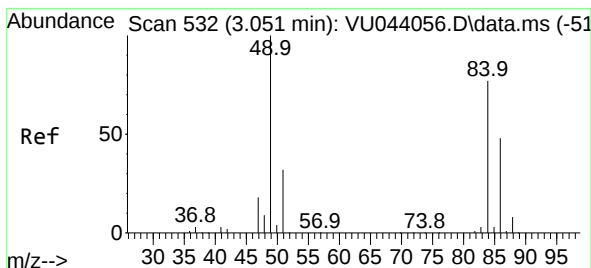
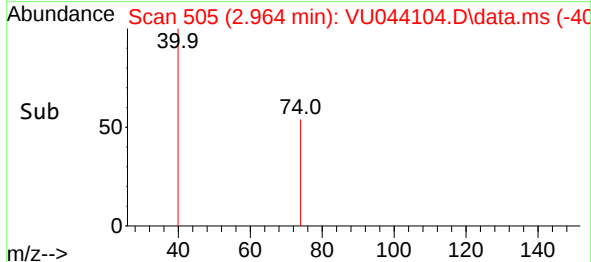
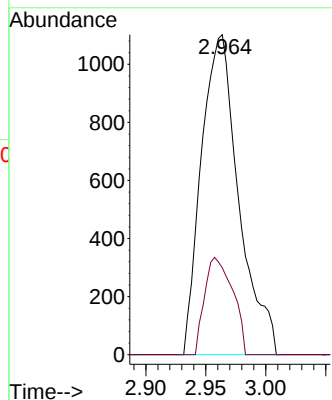
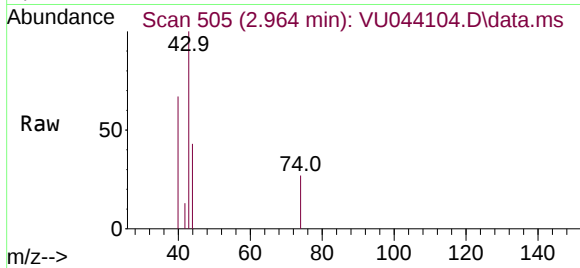




#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

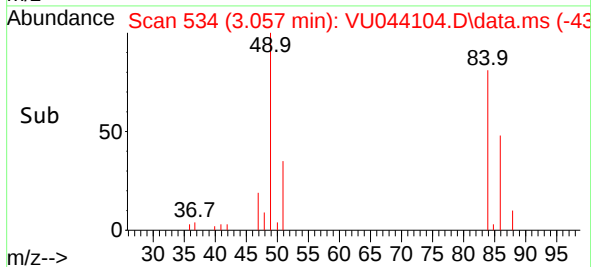
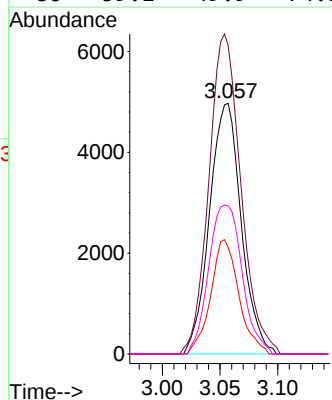
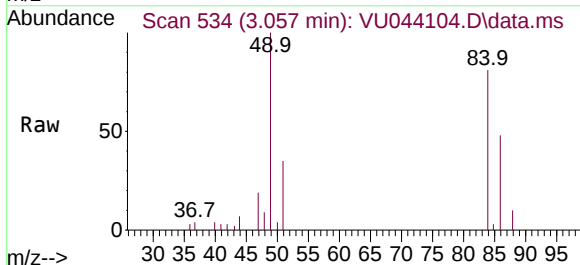
Instrument :
MSVOA_U
ClientSampled :

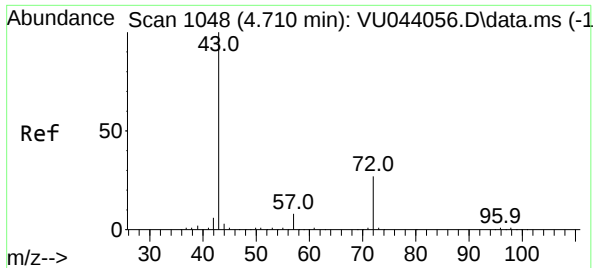
Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
74 22.7 18.7 28.1



#20
Methylene Chloride
Concen: 1.328 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 84 Resp: 9496
Ion Ratio Lower Upper
84 100
49 123.0 103.6 155.4
51 42.5 32.8 49.2
86 59.1 49.9 74.9

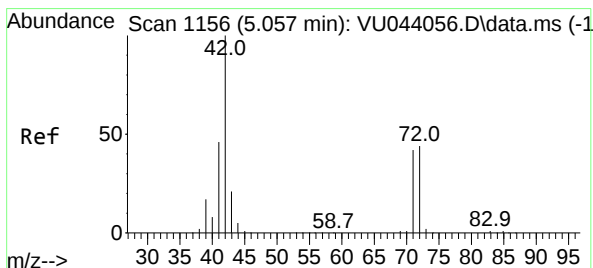
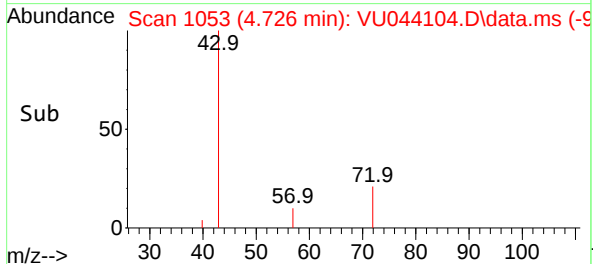
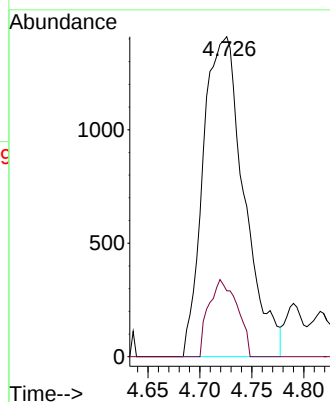
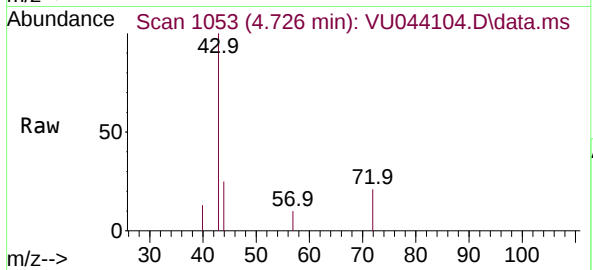




#25
2-Butanone
Concen: 1.273 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.016 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

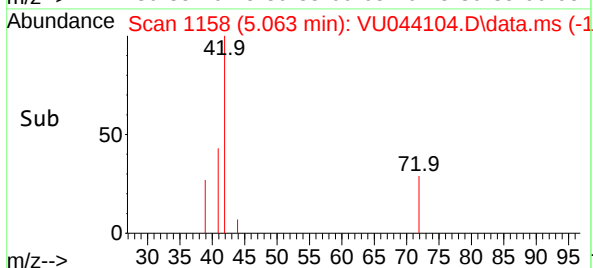
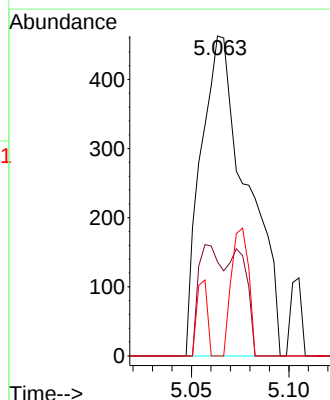
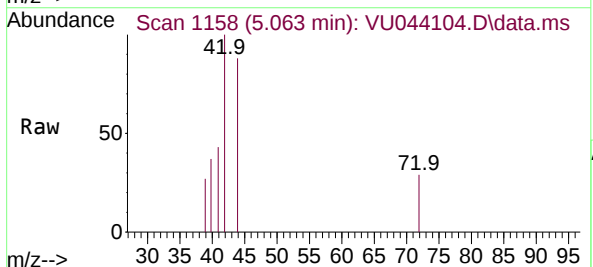
Instrument :
MSVOA_U
ClientSampled :

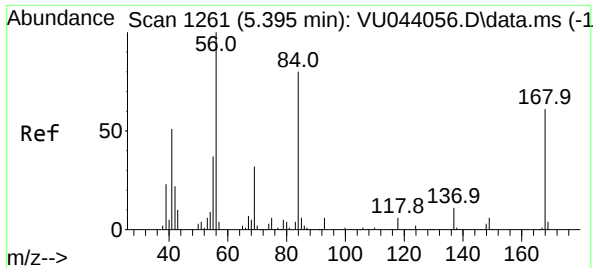
Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
72 20.6 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.456 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

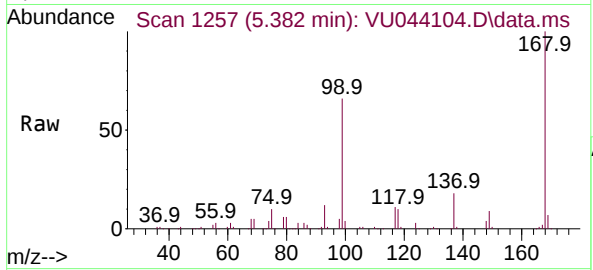
Tgt Ion: 42 Resp: 767
Ion Ratio Lower Upper
42 100
72 17.9 35.6 53.4#
71 5.3 33.3 49.9#



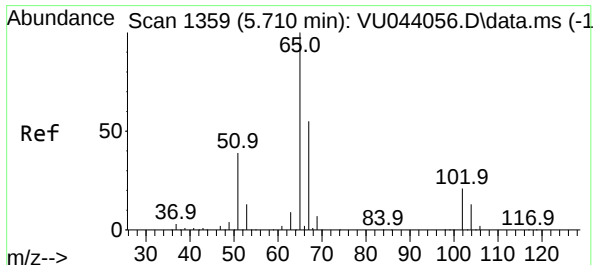
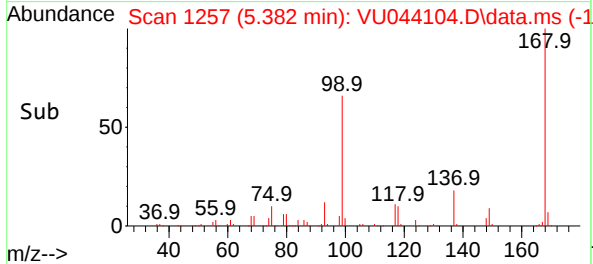
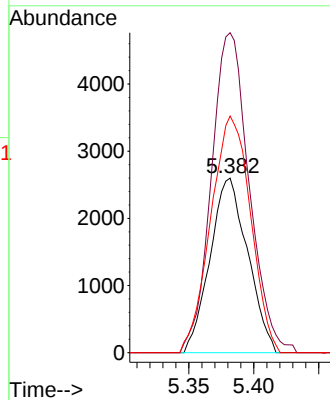


#31
Cyclohexane
Concen: 1.030 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Instrument :
MSVOA_U
ClientSampled :

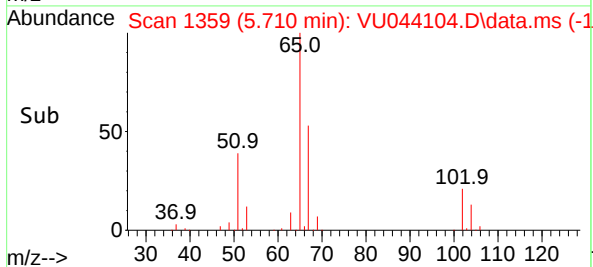
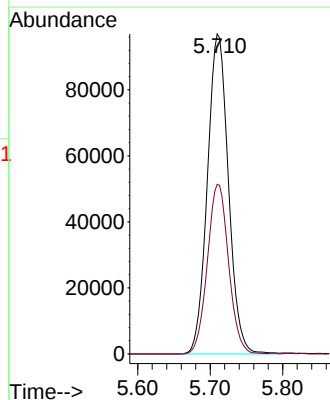
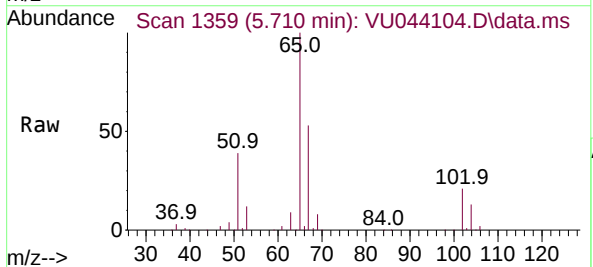


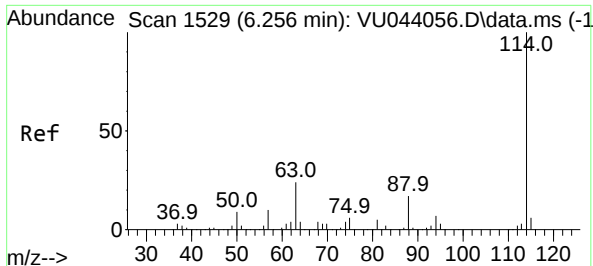
Tgt Ion: 56 Resp: 5233
Ion Ratio Lower Upper
56 100
69 183.3 25.4 38.2#
84 135.5 64.2 96.2#



#33
1,2-Dichloroethane-d4
Concen: 53.098 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 65 Resp: 195365
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.2

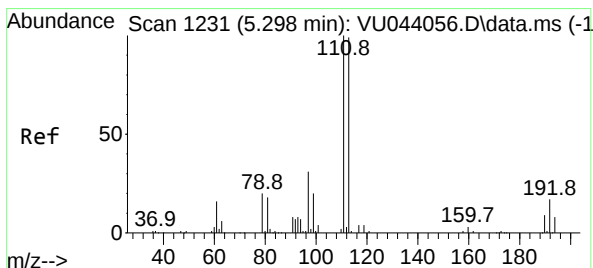
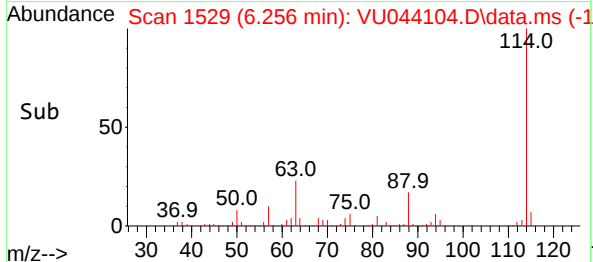
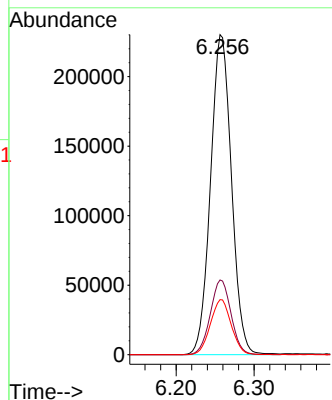
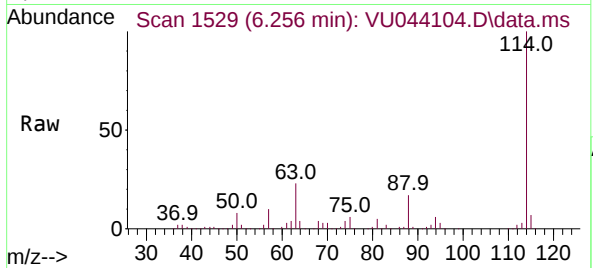




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

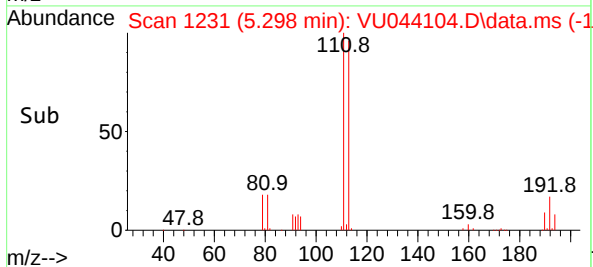
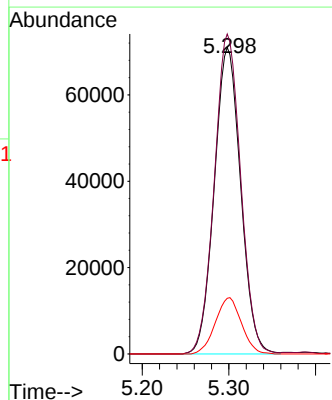
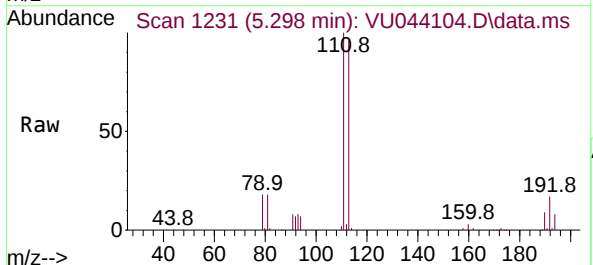
Instrument :
MSVOA_U
ClientSampled :

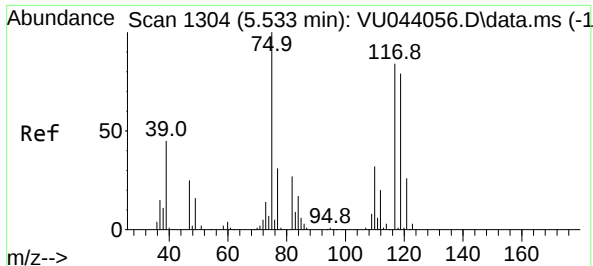
Tgt Ion:114 Resp: 429757
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 17.2 0.0 34.4



#35
Dibromofluoromethane
Concen: 48.908 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion:113 Resp: 149993
Ion Ratio Lower Upper
113 100
111 104.4 82.1 123.1
192 18.2 13.8 20.8

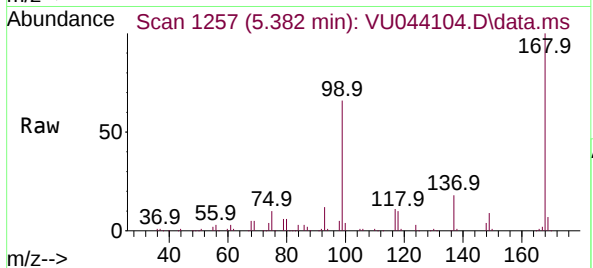




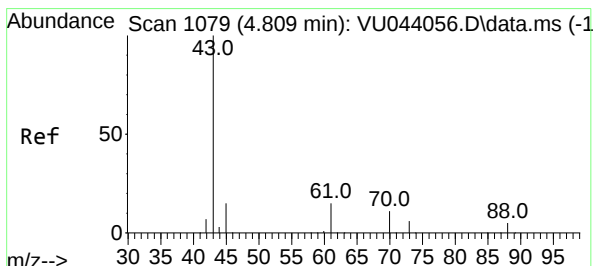
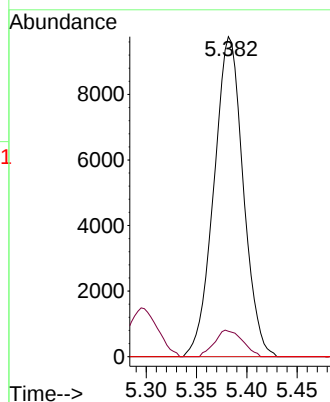
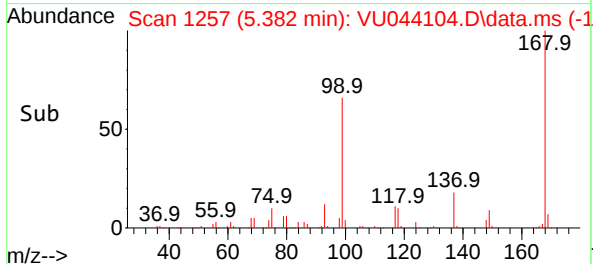
#36

1,1-Dichloropropene
Concen: 4.086 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Instrument :
MSVOA_U
ClientSampled :

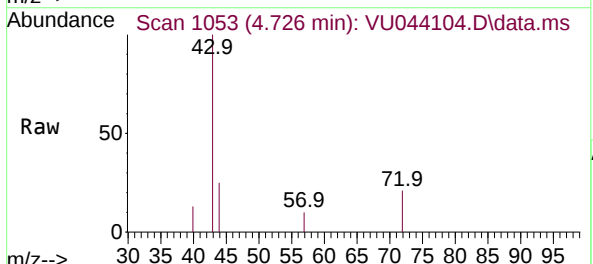


Tgt Ion:	75	Resp:	19785
Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.9	47.7#
77	0.0	25.0	37.4#

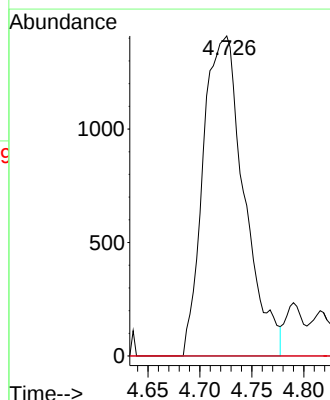
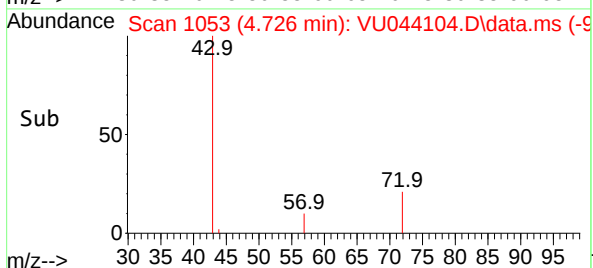


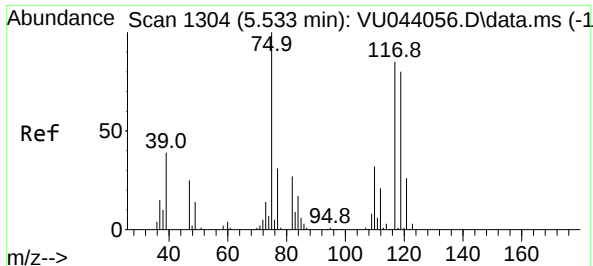
#37

Ethyl Acetate
Concen: 0.633 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. -0.083 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44



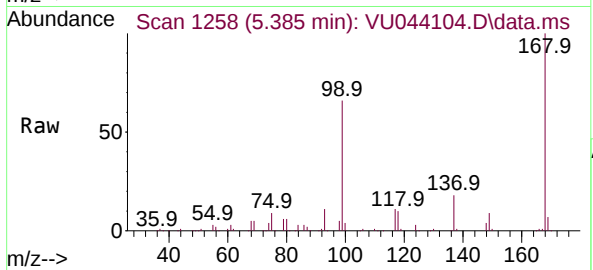
Tgt Ion:	43	Resp:	3858
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	0.0	8.6	12.8#



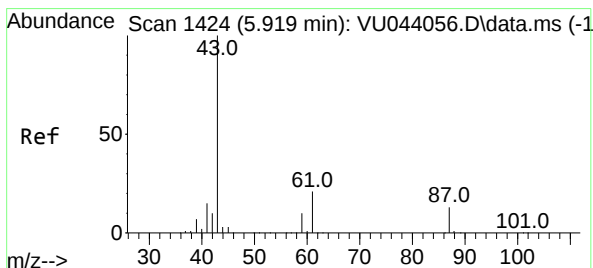
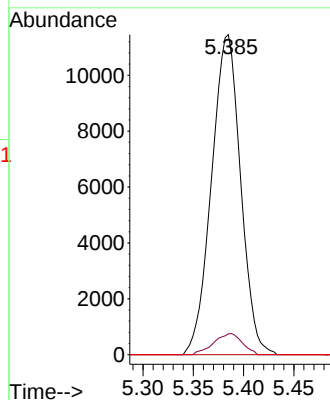
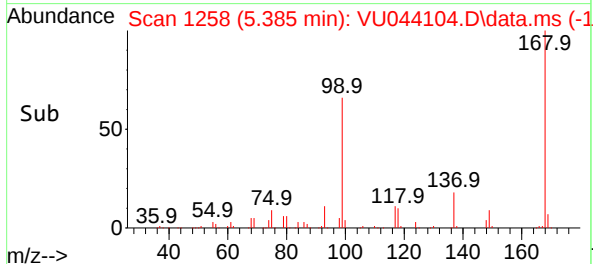


#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

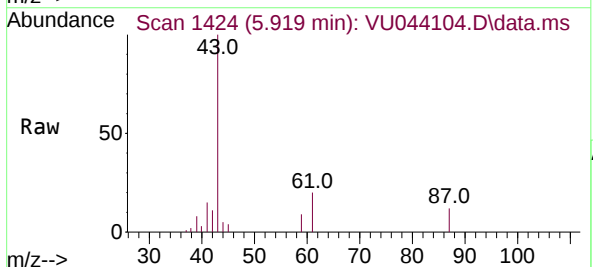
Instrument :
MSVOA_U
ClientSampled :



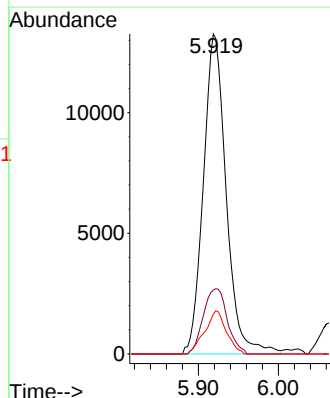
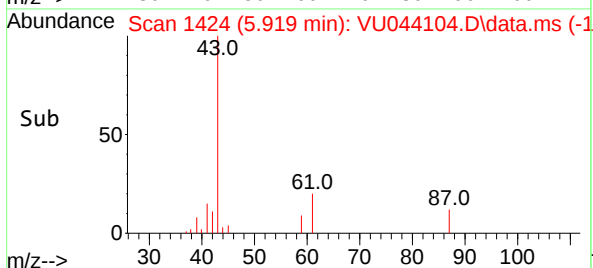
Tgt Ion:117 Resp: 23041
Ion Ratio Lower Upper
117 100
119 6.5 75.4 113.2#
121 0.0 24.5 36.7#

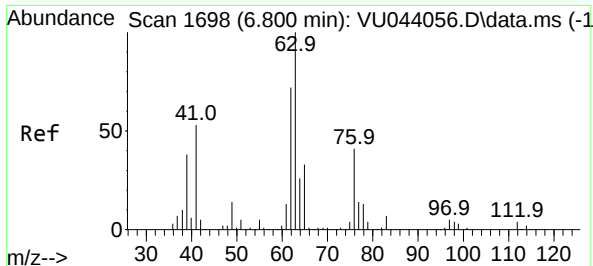


#43
Isopropyl Acetate
Concen: 3.056 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44



Tgt Ion: 43 Resp: 26361
Ion Ratio Lower Upper
43 100
61 21.3 16.8 25.2
87 12.7 10.2 15.2

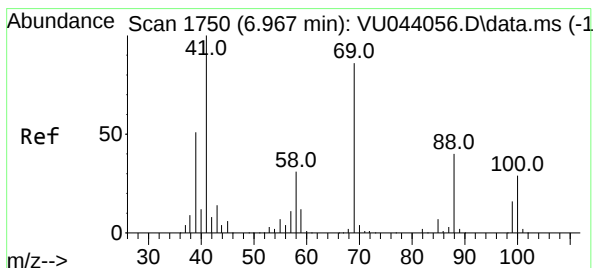
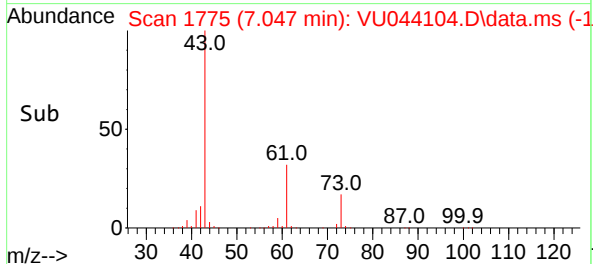
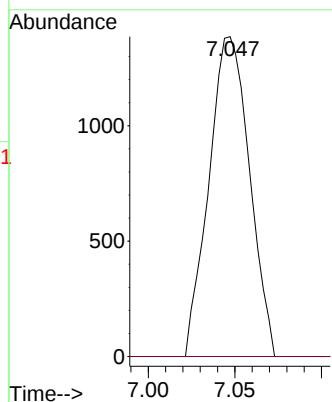
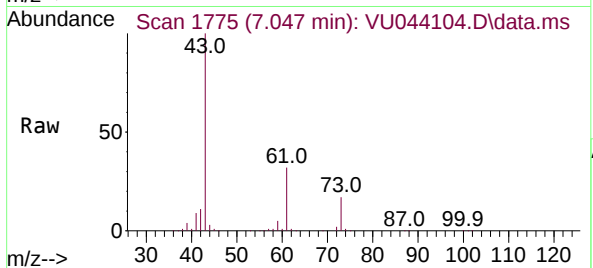




#45
1,2-Dichloropropane
Concen: 0.567 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

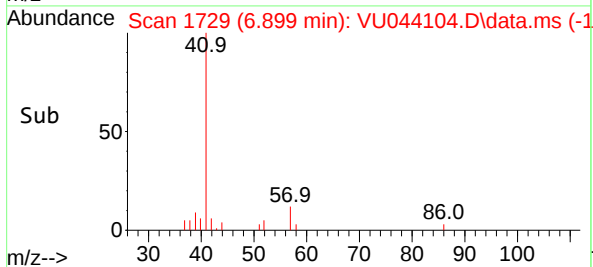
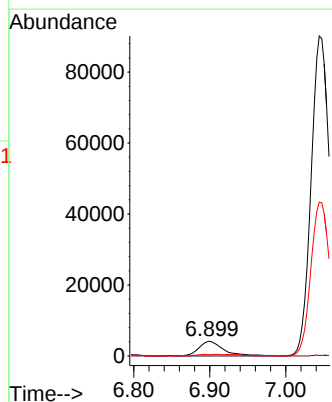
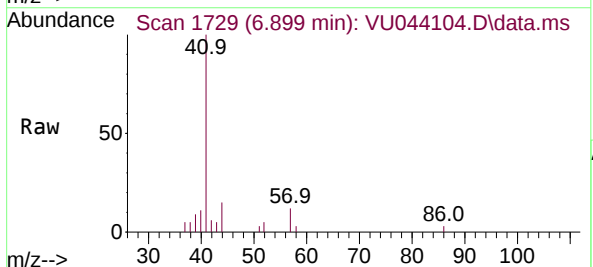
Instrument :
MSVOA_U
ClientSampled :

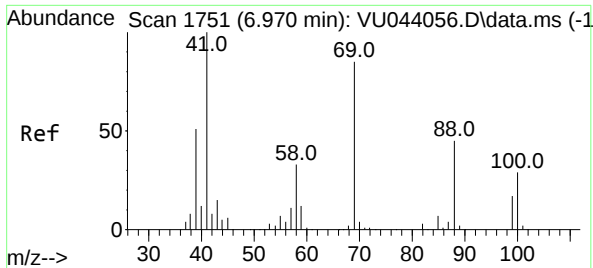
Tgt Ion: 63 Resp: 2258
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#



#48
Methyl methacrylate
Concen: 2.211 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 41 Resp: 9403
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#





#49

1,4-Dioxane

Concen: 0.909 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044104.D

Acq: 08 Jun 2021 10:44

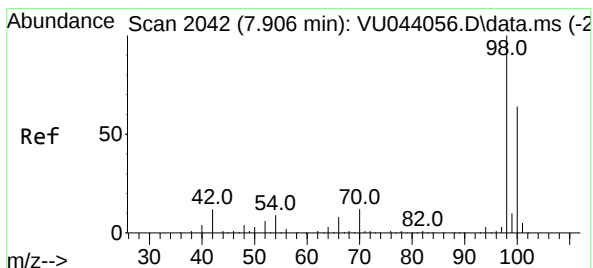
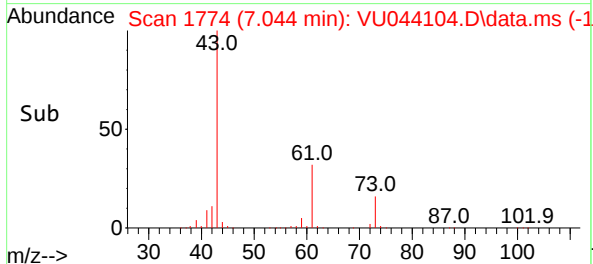
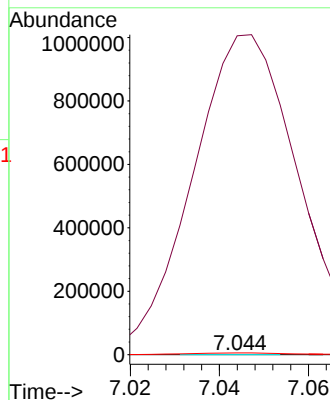
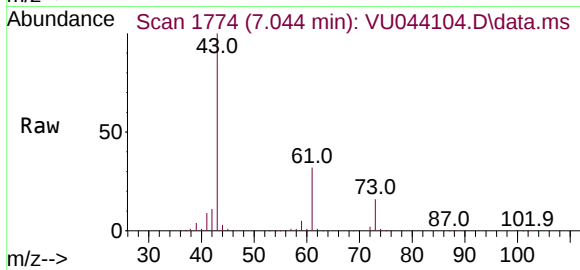
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

43 1810287.4 25.0 37.4#

58 9965.3 60.0 90.0#



#50

Toluene-d8

Concen: 50.249 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044104.D

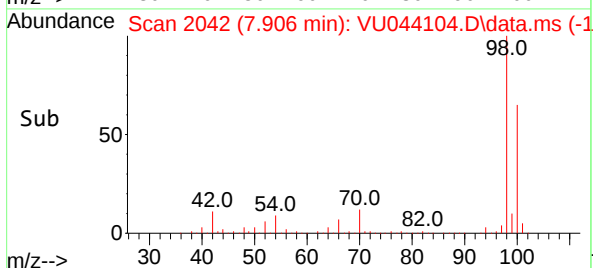
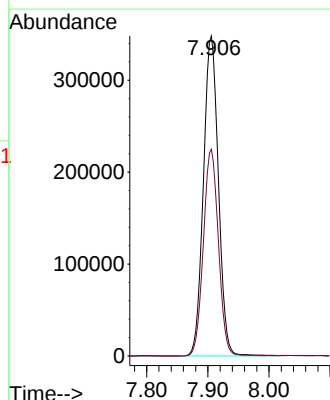
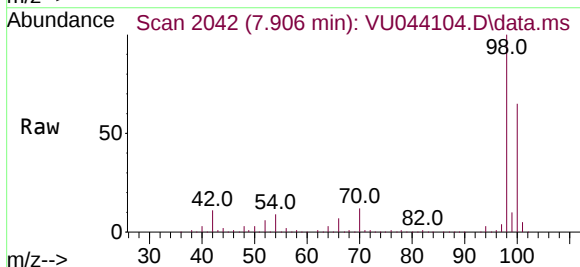
Acq: 08 Jun 2021 10:44

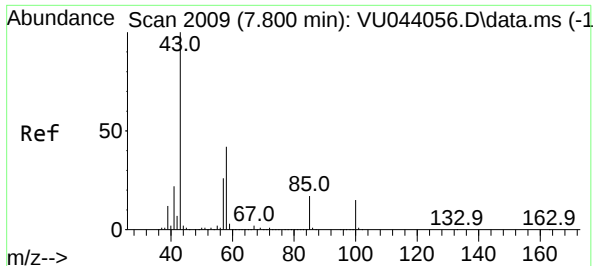
Tgt Ion: 98 Resp: 594420

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4

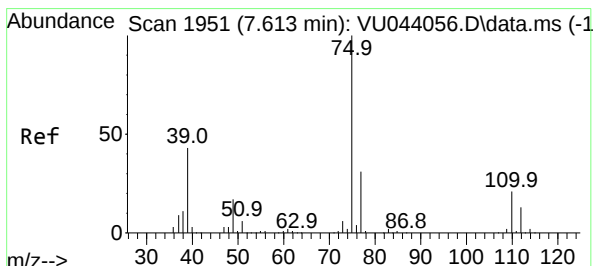
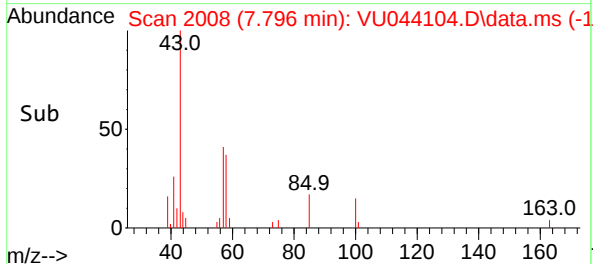
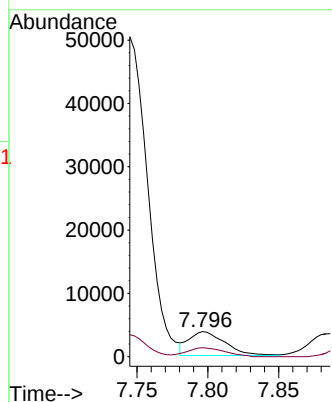
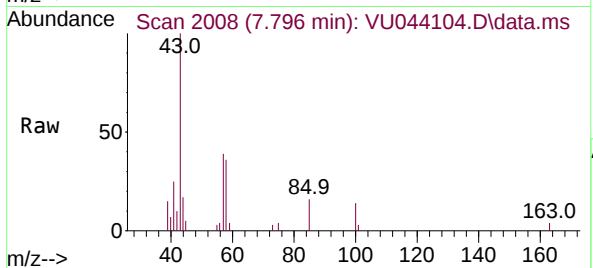




#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

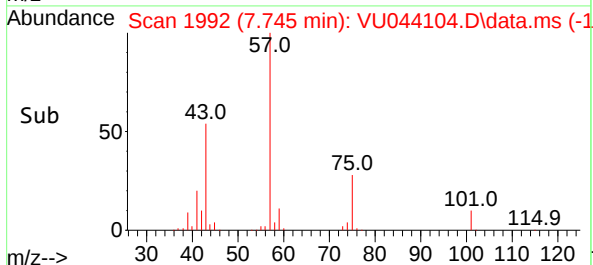
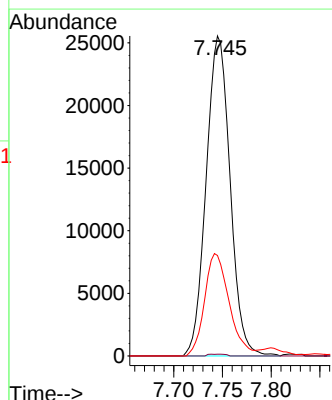
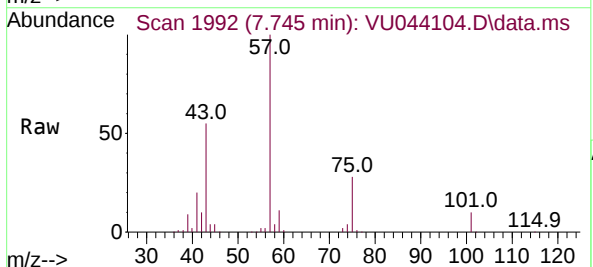
Instrument :
MSVOA_U
ClientSampled :

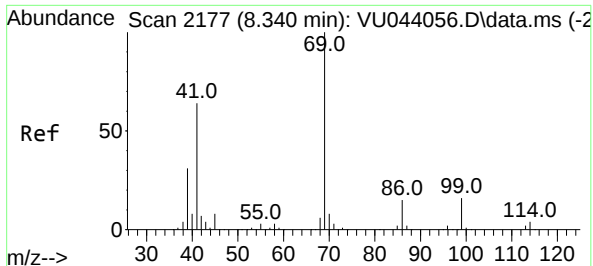
Tgt Ion: 43 Resp: 6765
Ion Ratio Lower Upper
43 100
58 38.9 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.366 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 75 Resp: 43613
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 31.4 34.7 52.1#

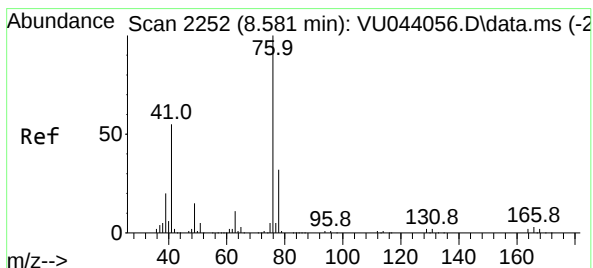
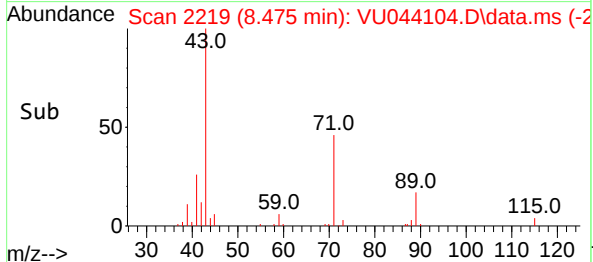
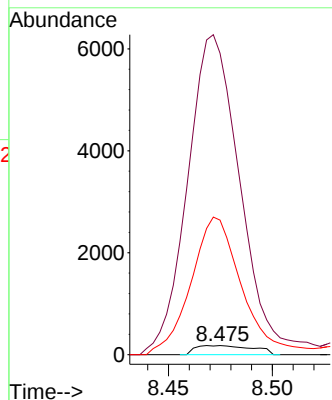
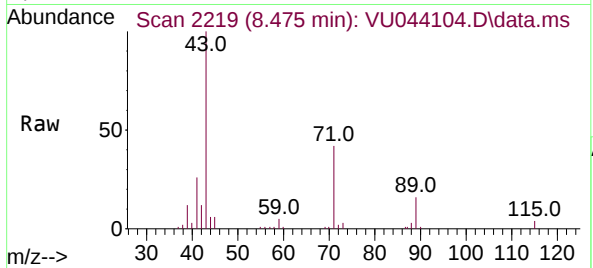




#56
Ethyl methacrylate
Concen: 3.436 ug/l
RT: 8.475 min Scan# 2219
Delta R.T. 0.135 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

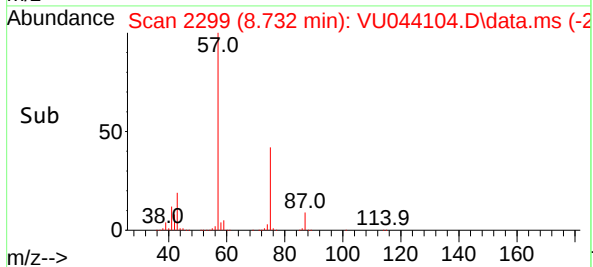
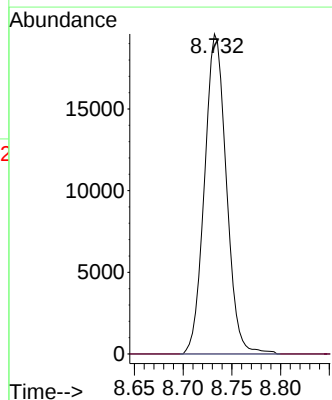
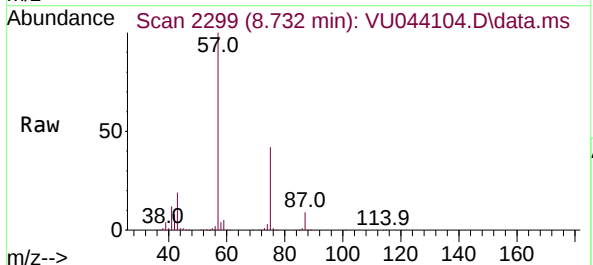
Instrument :
MSVOA_U
ClientSampled :

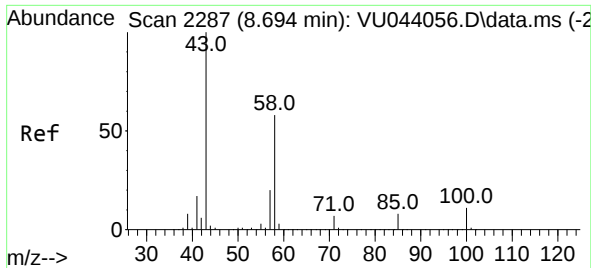
Tgt Ion: 69 Resp: 345
Ion Ratio Lower Upper
69 100
41 3219.1 51.4 77.0#
39 1337.1 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.684 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 76 Resp: 30543
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

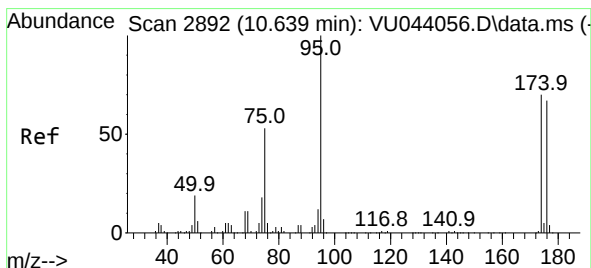
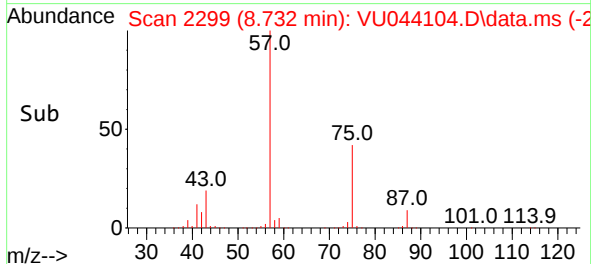
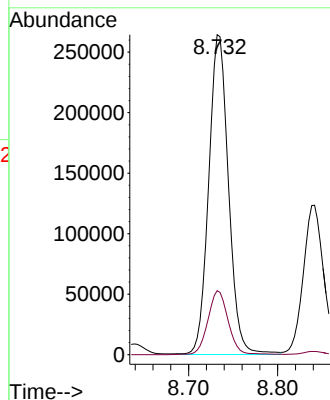
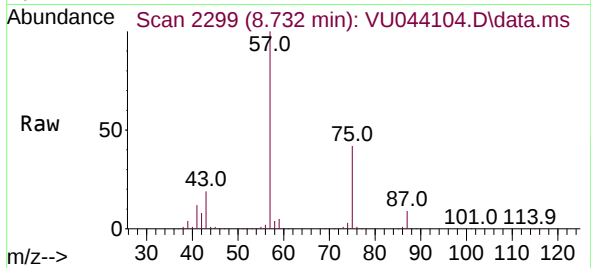




#59
2-Hexanone
Concen: 81.867 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

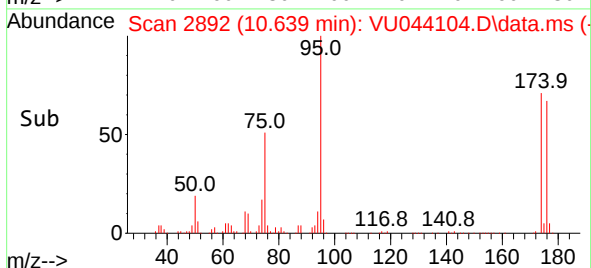
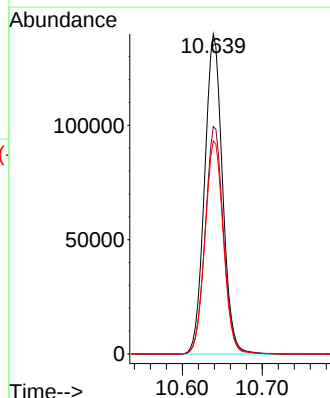
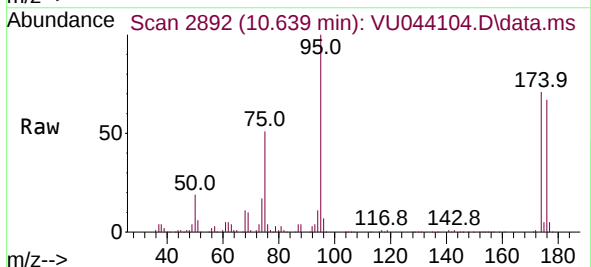
Instrument :
MSVOA_U
ClientSampleId :

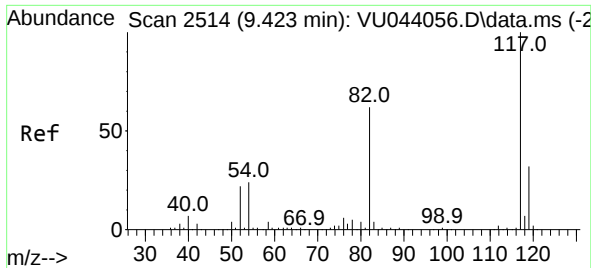
Tgt Ion: 43 Resp: 407488
Ion Ratio Lower Upper
43 100
58 20.5 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.527 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 95 Resp: 217908
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.0
176 68.4 0.0 135.2

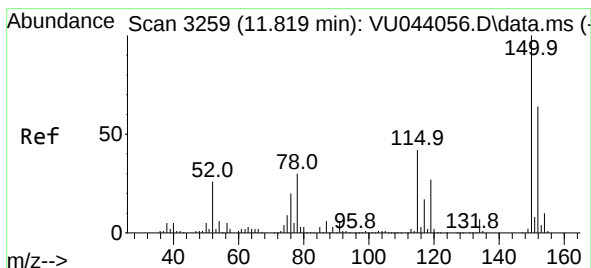
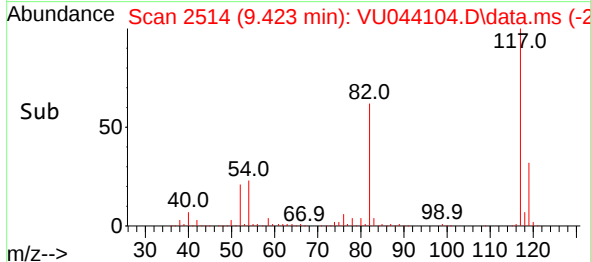
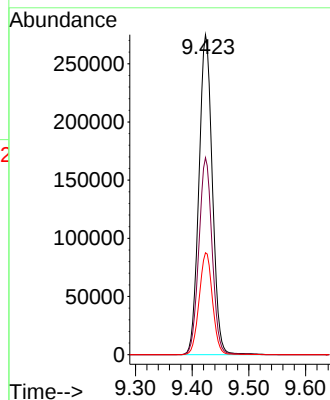
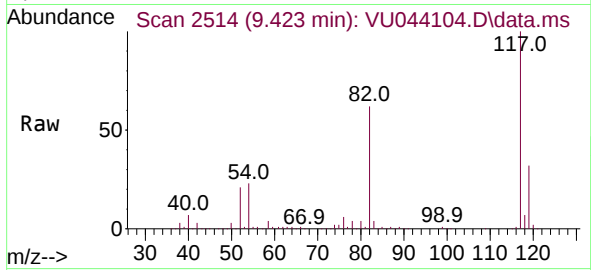




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

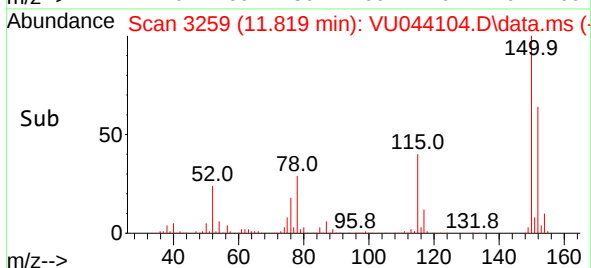
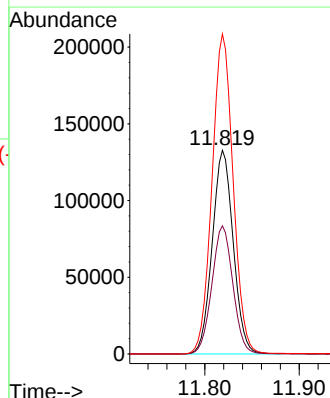
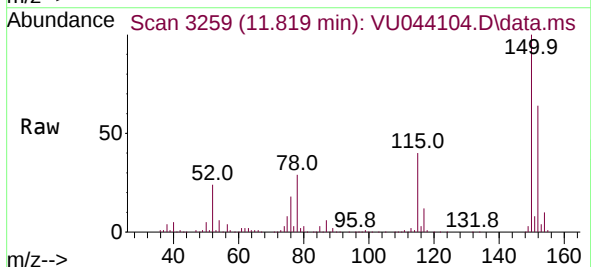
Instrument :
MSVOA_U
ClientSampled :

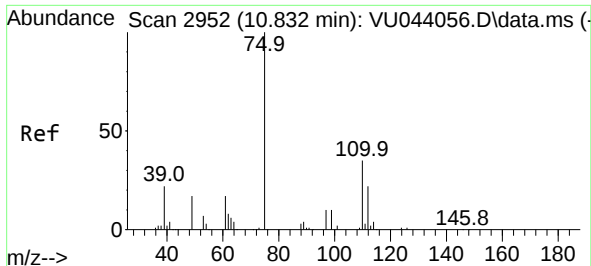
Tgt Ion:117 Resp: 451190
Ion Ratio Lower Upper
117 100
82 61.5 50.0 75.0
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion:152 Resp: 204711
Ion Ratio Lower Upper
152 100
115 62.9 44.6 134.0
150 157.6 0.0 347.8

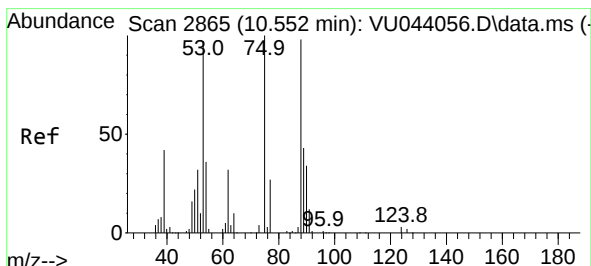
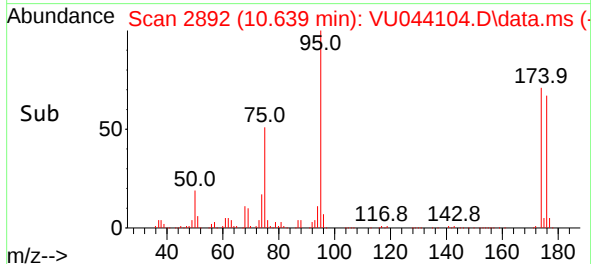
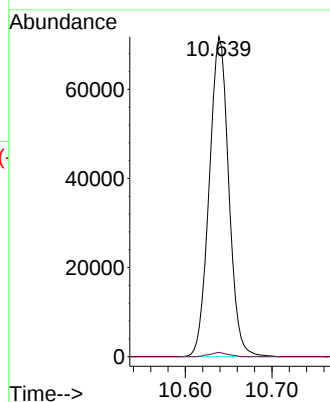
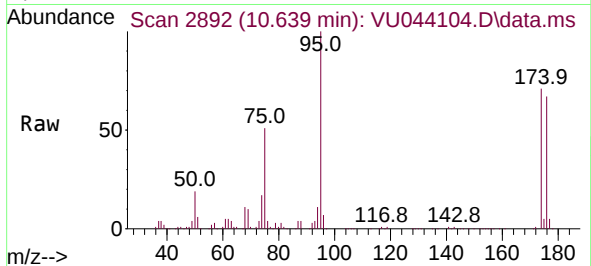




#76
1,2,3-Trichloropropane
Concen: 19.661 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

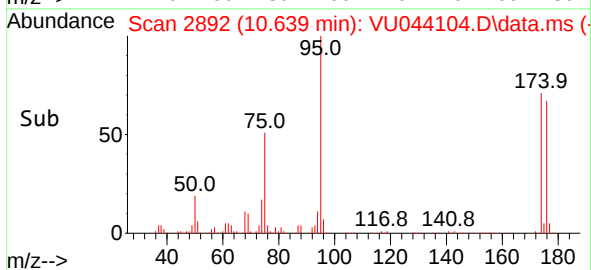
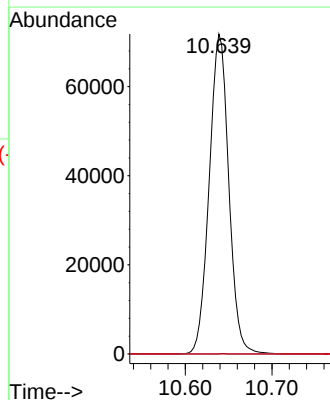
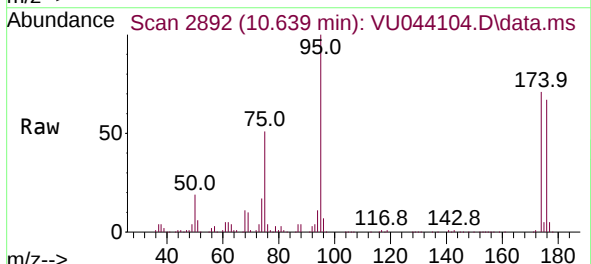
Instrument :
MSVOA_U
ClientSampled :

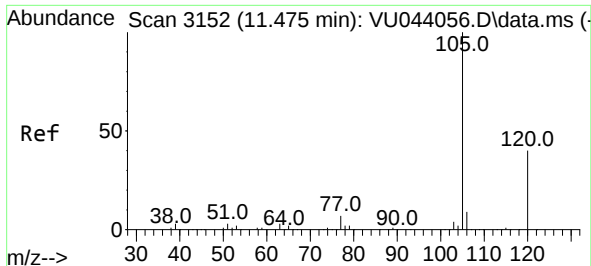
Tgt Ion: 75 Resp: 112589
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.409 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion: 75 Resp: 112589
Ion Ratio Lower Upper
75 100
53 0.0 76.9 115.3#
89 0.0 33.8 50.8#

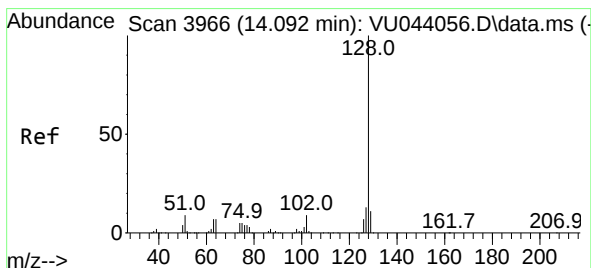
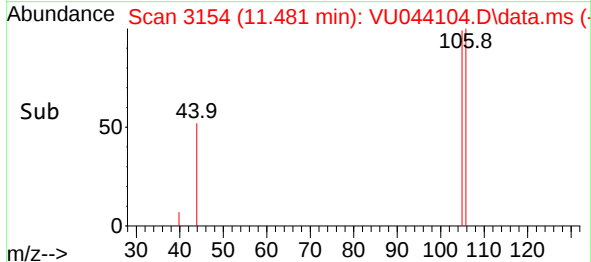
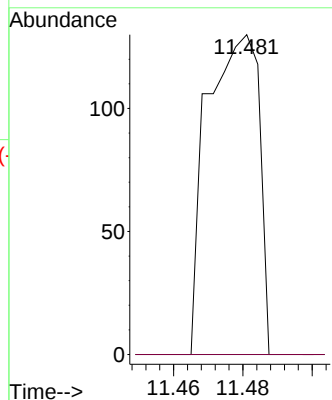
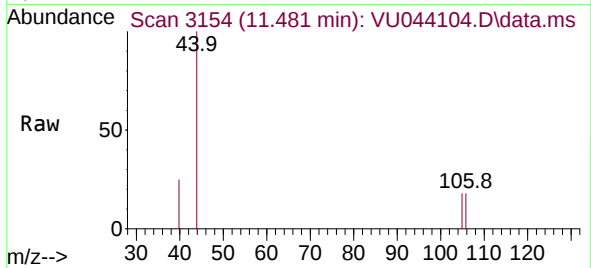




#84
1,2,4-Trimethylbenzene
Concen: 0.959 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 135
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.872 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.010 min
Lab File: VU044104.D
Acq: 08 Jun 2021 10:44

Tgt Ion:128 Resp: 399
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

