

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044105.D
 Acq On : 08 Jun 2021 11:07
 Operator : SY/MD
 Sample : M2612-28
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:11:54 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)

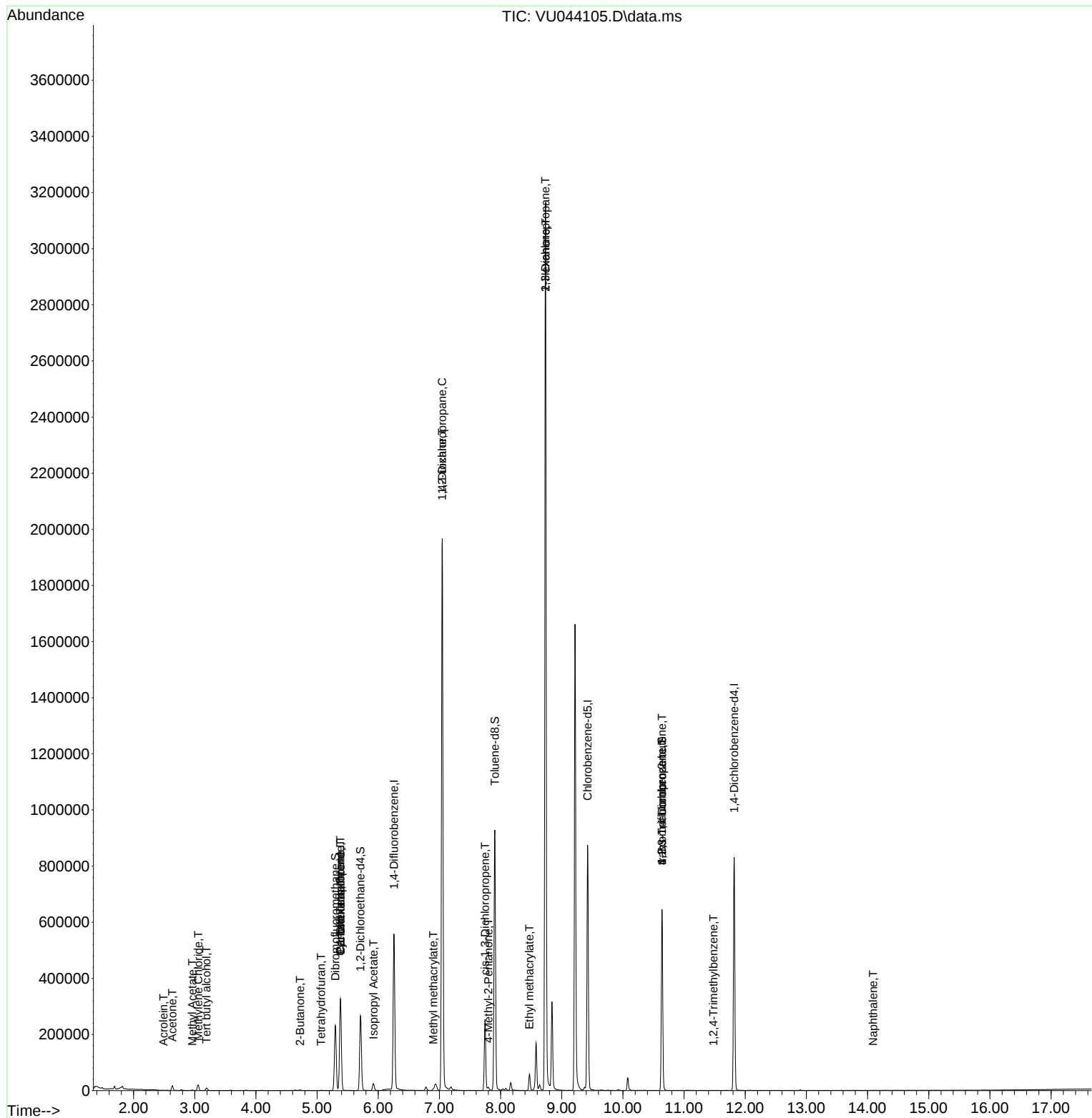
Internal Standards						
1) Pentafluorobenzene	5.382	168	211679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	427590	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	454251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	206196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195875	53.133	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.260%	
35) Dibromofluoromethane	5.298	113	149825	49.101	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.200%	
50) Toluene-d8	7.906	98	593978	50.466	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.940%	
62) 4-Bromofluorobenzene	10.639	95	216463	46.453	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	930	Below Cal		91
11) Tert butyl alcohol	3.192	59	5595	6.122 ug/l #		72
13) Acrolein	2.491	56	485	0.675 ug/l #		80
16) Acetone	2.632	43	18787	8.830 ug/l		94
18) Methyl Acetate	2.960	43	2206	0.470 ug/l		94
20) Methylene Chloride	3.057	84	10270	1.573 ug/l #		84
25) 2-Butanone	4.722	43	3572	1.177 ug/l		92
29) Tetrahydrofuran	5.066	42	739	0.439 ug/l #		73
31) Cyclohexane	5.385	56	5077	0.998 ug/l #		1
36) 1,1-Dichloropropene	5.382	75	18929	3.929 ug/l #		50
38) Carbon Tetrachloride	5.382	117	22666	5.207 ug/l #		18
43) Isopropyl Acetate	5.922	43	26927	3.138 ug/l		99
45) 1,2-Dichloropropane	7.047	63	2437	0.615 ug/l #		42
48) Methyl methacrylate	6.899	41	8647	2.044 ug/l #		14
49) 1,4-Dioxane	7.044	88	203	1.951 ug/l #		1
51) 4-Methyl-2-Pentanone	7.799	43	7454	1.170 ug/l		89
54) cis-1,3-Dichloropropene	7.745	75	44419	7.540 ug/l #		68
56) Ethyl methacrylate	8.471	69	361	3.438 ug/l #		1
57) 1,3-Dichloropropane	8.732	76	31015	4.781 ug/l #		43
59) 2-Hexanone	8.735	43	411328	83.057 ug/l #		50
76) 1,2,3-Trichloropropane	10.639	75	112215	19.454 ug/l #		43
81) trans-1,4-Dichloro-2-b...	10.639	75	112215	56.806 ug/l #		11
84) 1,2,4-Trimethylbenzene	11.481	105	95	0.956 ug/l #		32
95) Naphthalene	14.092	128	252	2.862 ug/l #		69

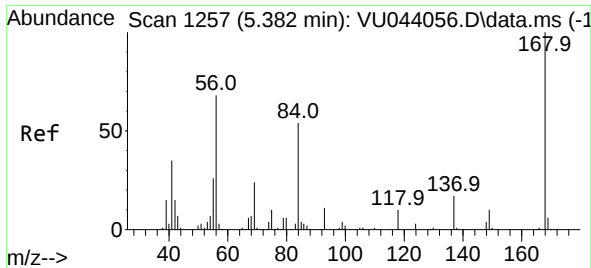
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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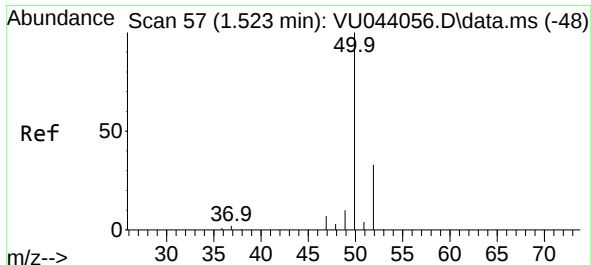
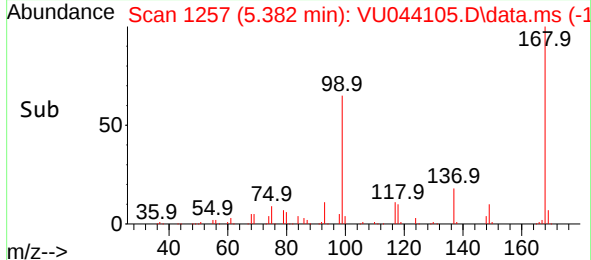
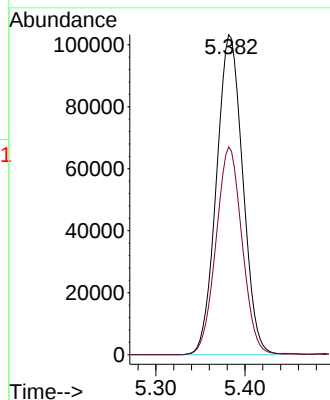
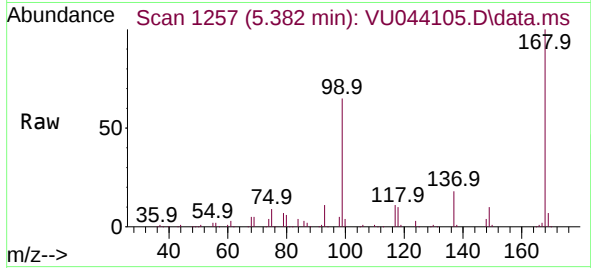




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

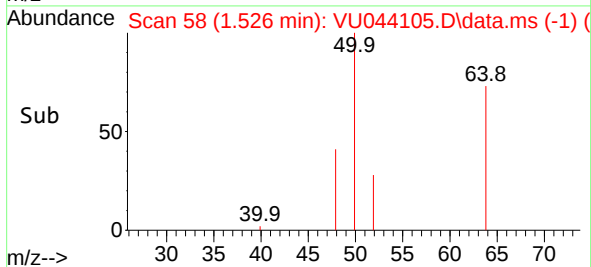
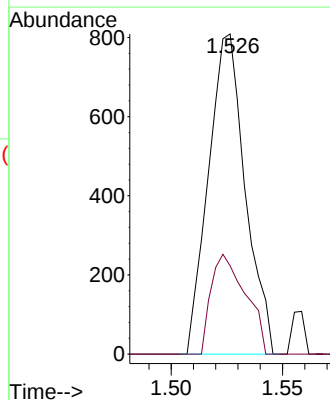
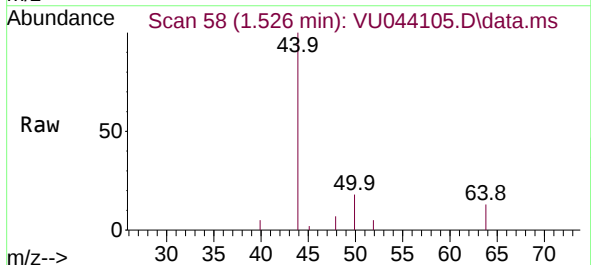
Instrument :
MSVOA_U
ClientSampled :

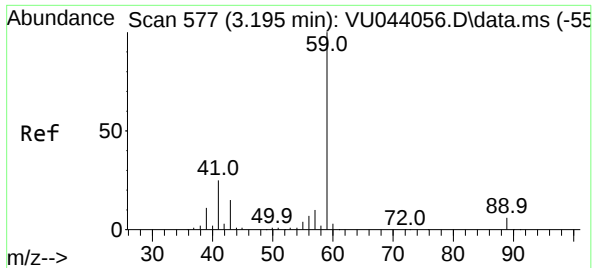
Tgt Ion:168 Resp: 211679
Ion Ratio Lower Upper
168 100
99 64.9 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 50 Resp: 930
Ion Ratio Lower Upper
50 100
52 27.6 26.2 39.2



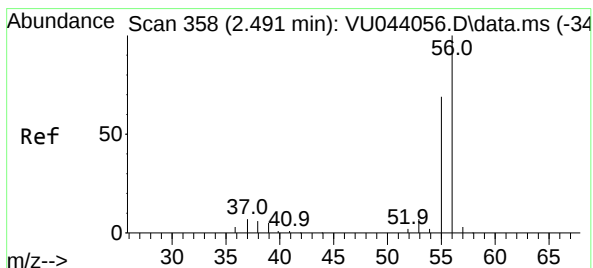
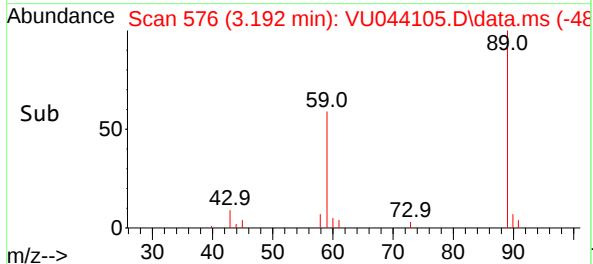
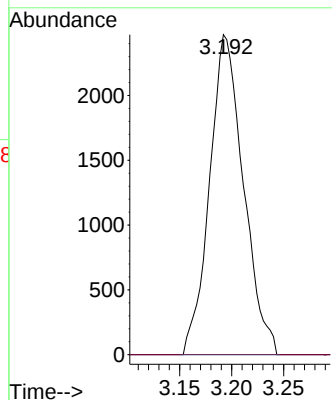
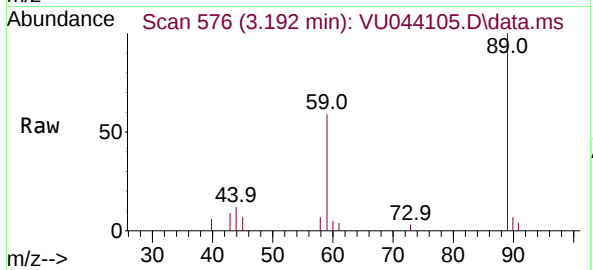


#11

Tert butyl alcohol
Concen: 6.122 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Instrument :
MSVOA_U
ClientSampled :

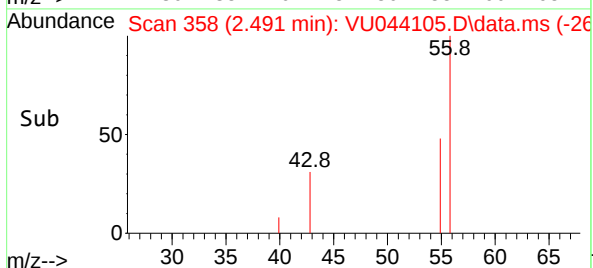
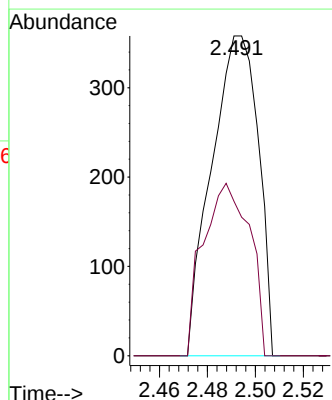
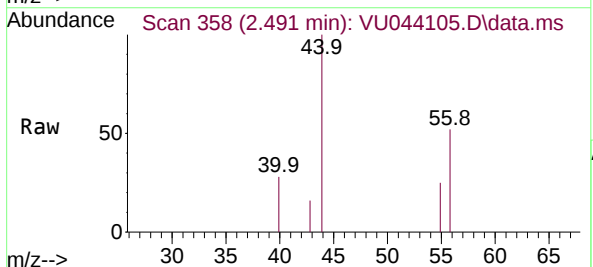
Tgt Ion: 59 Resp: 5595
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

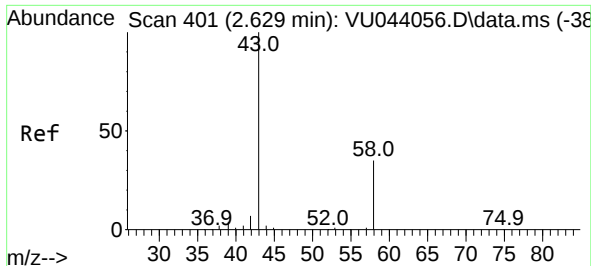


#13

Acrolein
Concen: 0.675 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 56 Resp: 485
Ion Ratio Lower Upper
56 100
55 53.6 56.1 84.1#

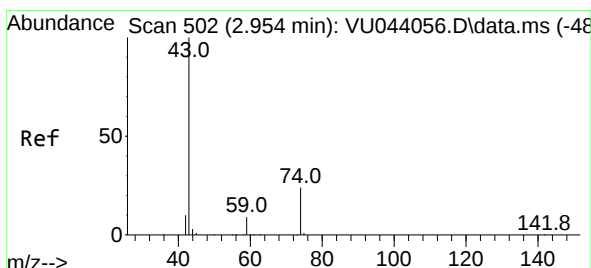
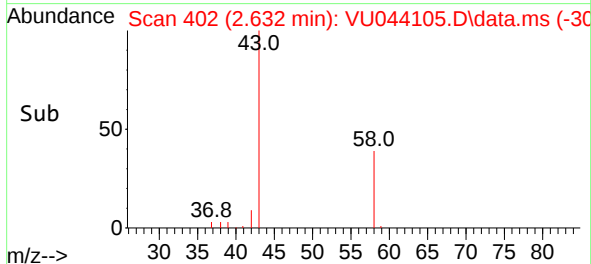
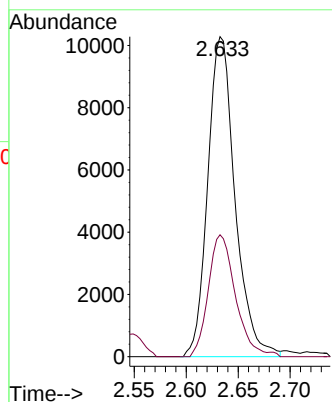
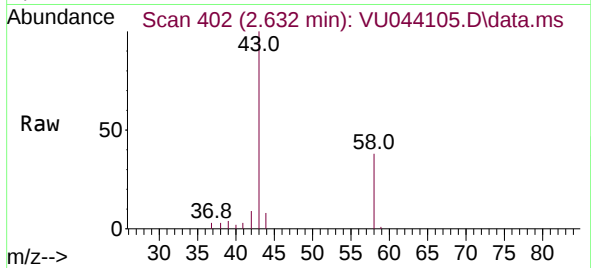




#16
Acetone
Concen: 8.830 ug/l
RT: 2.632 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

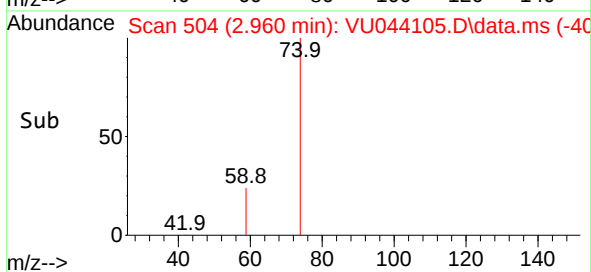
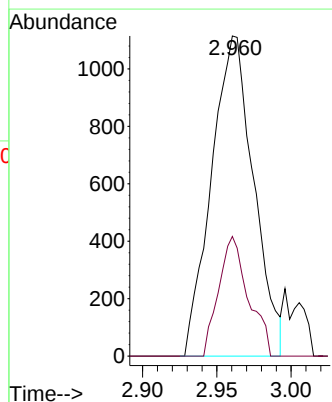
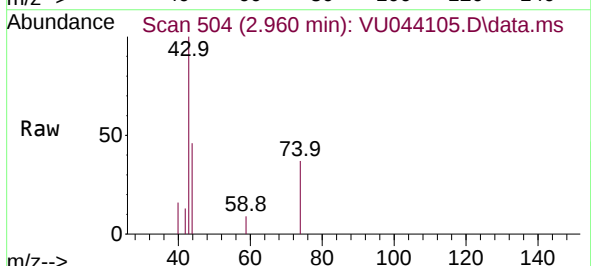
Instrument :
MSVOA_U
ClientSampled :

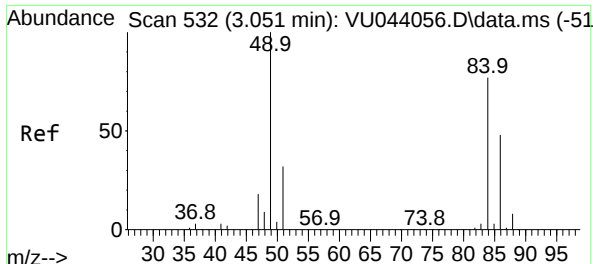
Tgt Ion: 43 Resp: 18787
Ion Ratio Lower Upper
43 100
58 38.1 27.7 41.5



#18
Methyl Acetate
Concen: 0.470 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

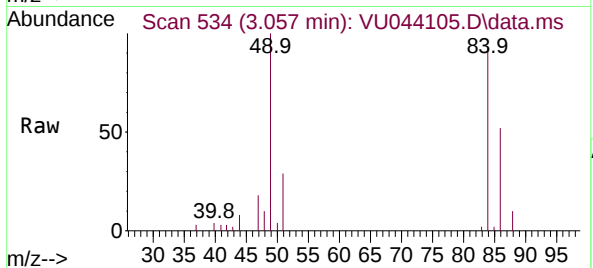
Tgt Ion: 43 Resp: 2206
Ion Ratio Lower Upper
43 100
74 26.3 18.7 28.1



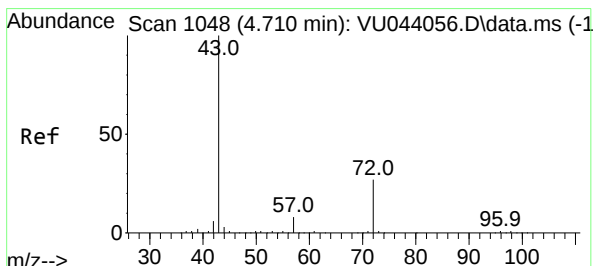
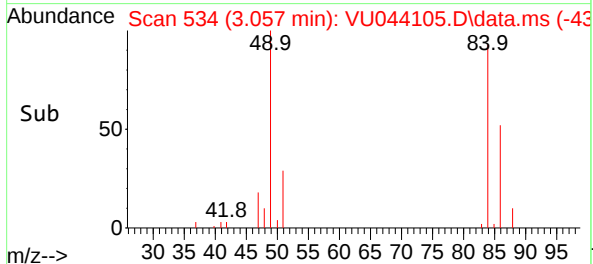
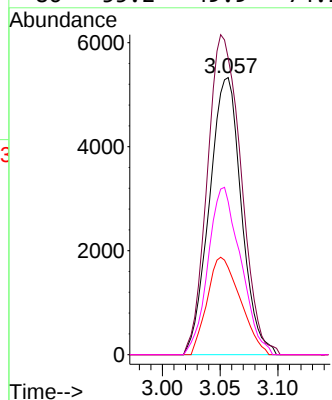


#20
Methylene Chloride
Concen: 1.573 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Instrument :
MSVOA_U
ClientSampleId :

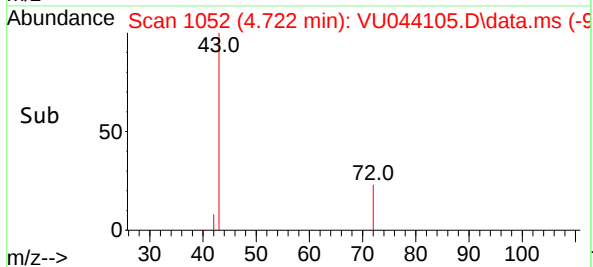
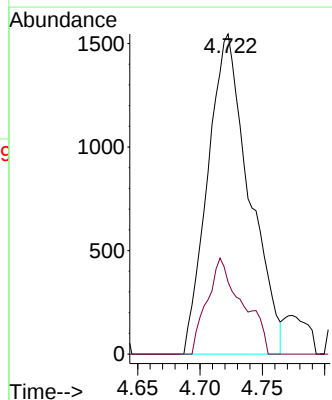
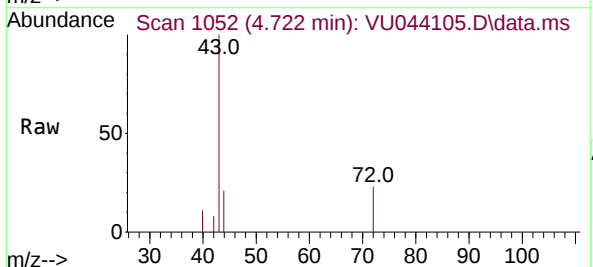


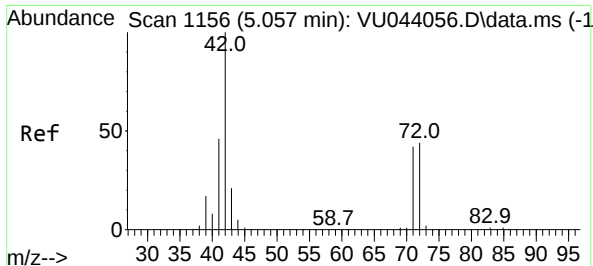
Tgt Ion:	84	Resp:	10270
Ion	Ratio	Lower	Upper
84	100		
49	107.0	103.6	155.4
51	31.4	32.8	49.2#
86	55.2	49.9	74.9



#25
2-Butanone
Concen: 1.177 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.012 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion:	43	Resp:	3572
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 5.066 min Scan# 1159

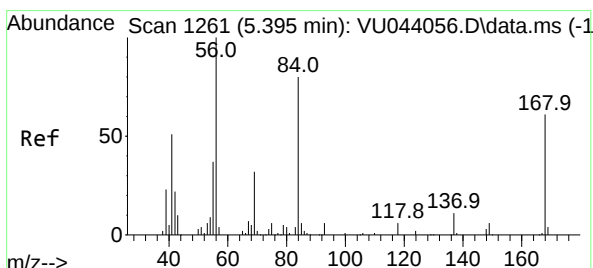
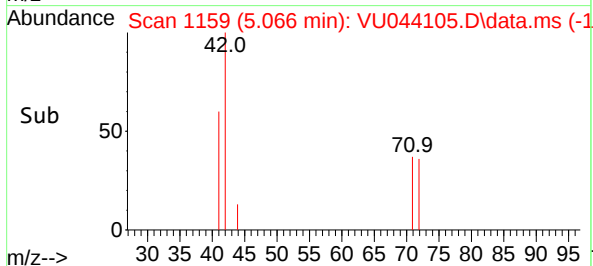
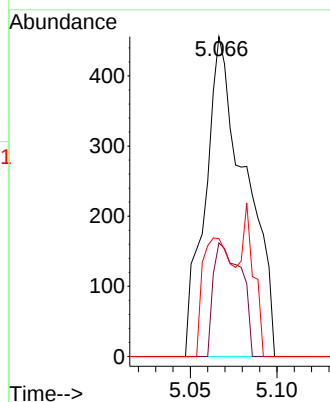
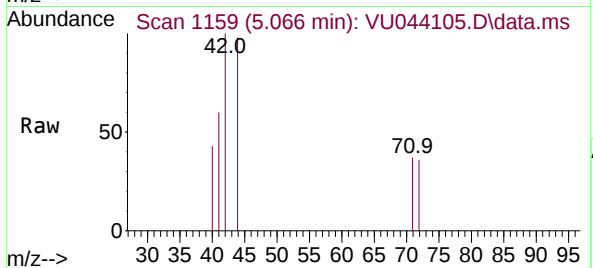
Delta R.T. 0.009 min

Lab File: VU044105.D

Acq: 08 Jun 2021 11:07

Tgt Ion:	42	Resp:	739
Ion	Ratio	Lower	Upper
42	100		
72	24.2	35.6	53.4#
71	27.2	33.3	49.9#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 0.998 ug/l

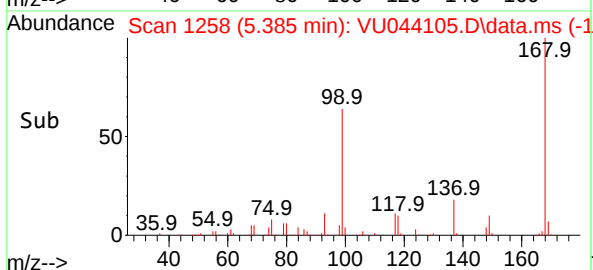
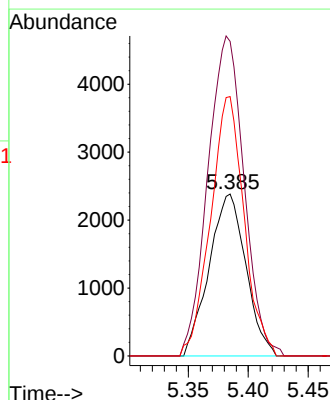
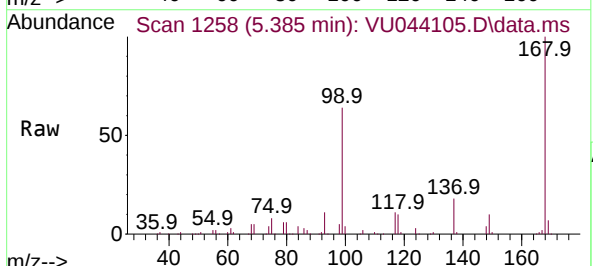
RT: 5.385 min Scan# 1258

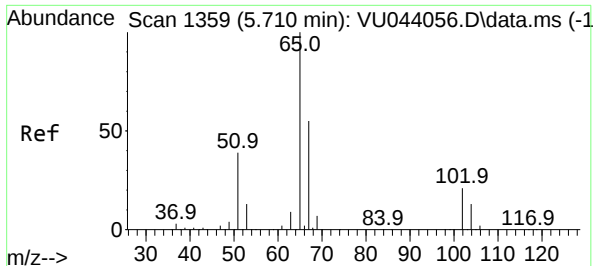
Delta R.T. -0.010 min

Lab File: VU044105.D

Acq: 08 Jun 2021 11:07

Tgt Ion:	56	Resp:	5077
Ion	Ratio	Lower	Upper
56	100		
69	194.2	25.4	38.2#
84	160.2	64.2	96.2#



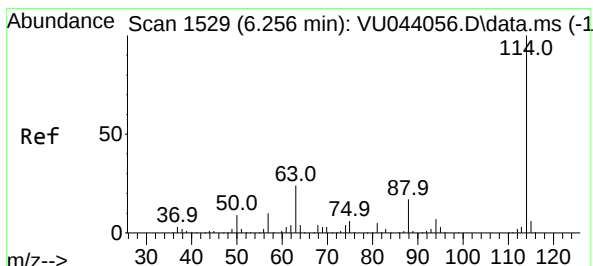
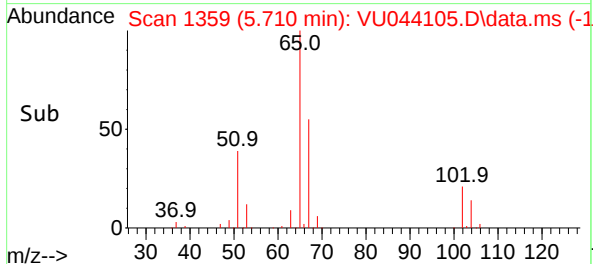
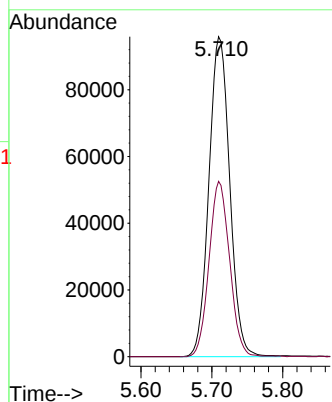
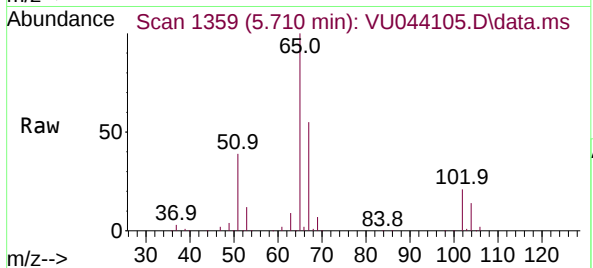


#33

1,2-Dichloroethane-d4
Concen: 53.133 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Instrument :
MSVOA_U
ClientSampled :

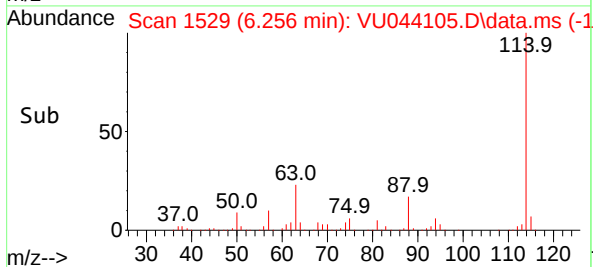
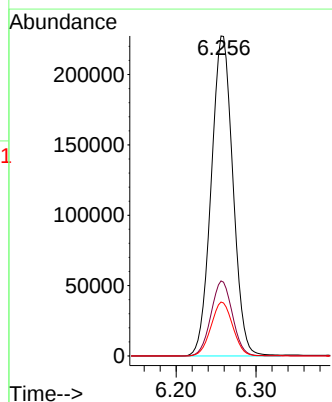
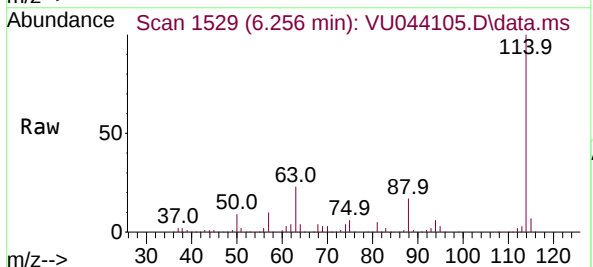
Tgt Ion: 65 Resp: 195875
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.2

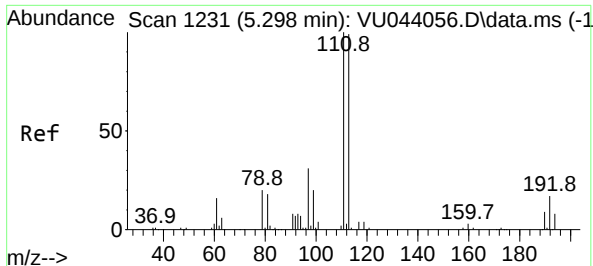


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion:114 Resp: 427590
Ion Ratio Lower Upper
114 100
63 23.5 0.0 48.4
88 16.9 0.0 34.4

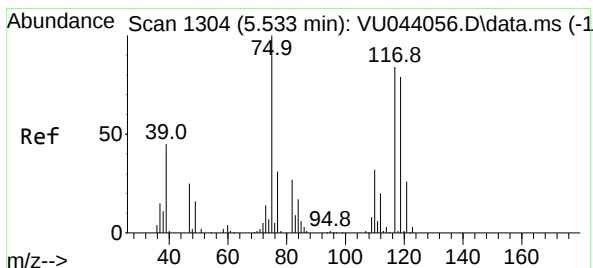
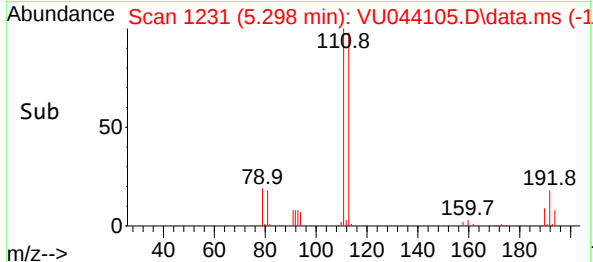
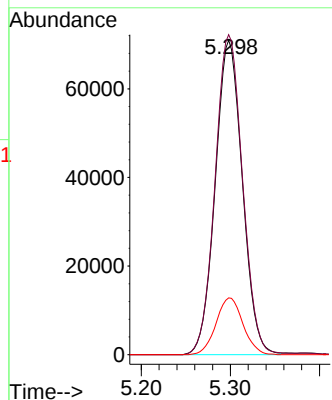
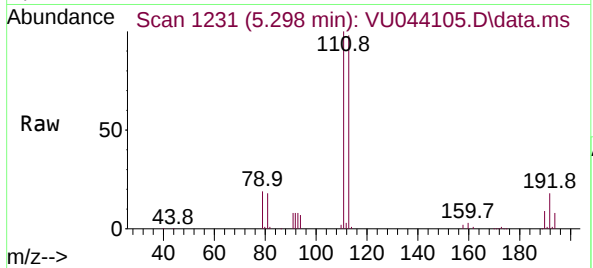




#35
Dibromofluoromethane
Concen: 49.101 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

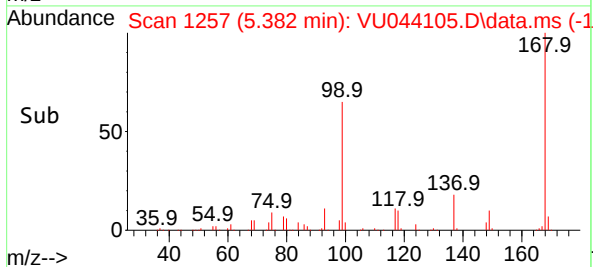
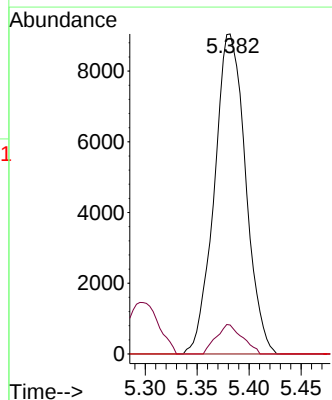
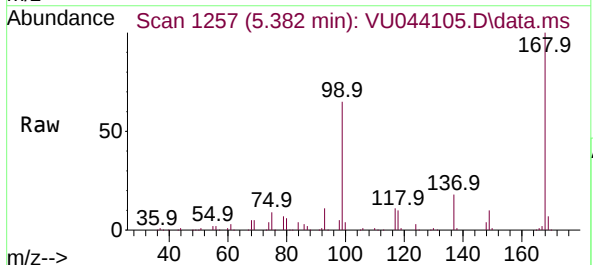
Instrument :
MSVOA_U
ClientSampleId :

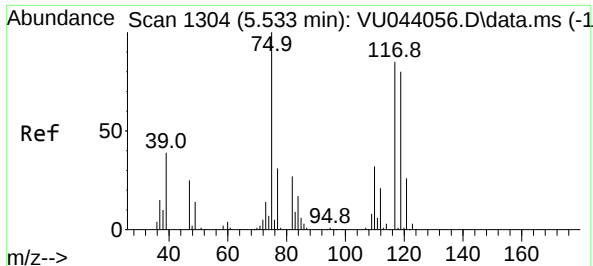
Tgt Ion:113 Resp: 149825
Ion Ratio Lower Upper
113 100
111 103.2 82.1 123.1
192 18.0 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.929 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

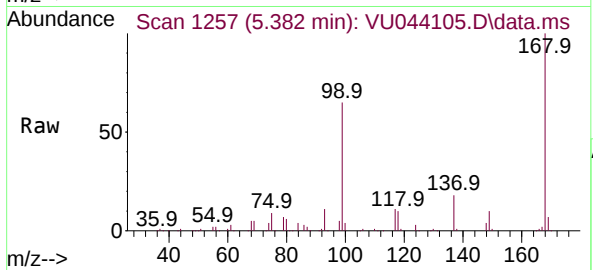
Tgt Ion: 75 Resp: 18929
Ion Ratio Lower Upper
75 100
110 7.7 15.9 47.7#
77 0.0 25.0 37.4#



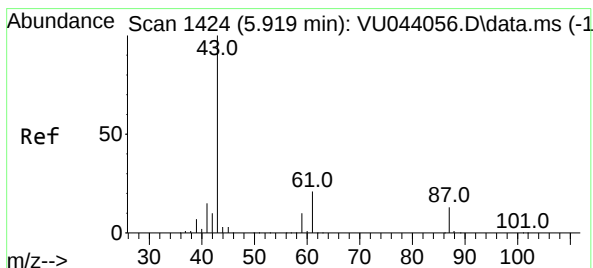
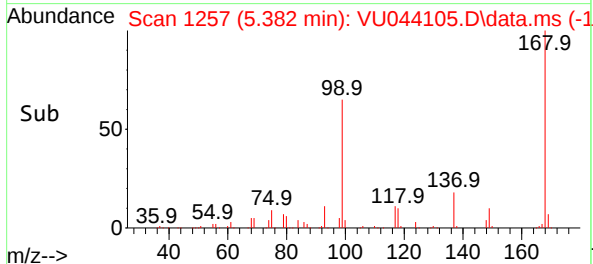
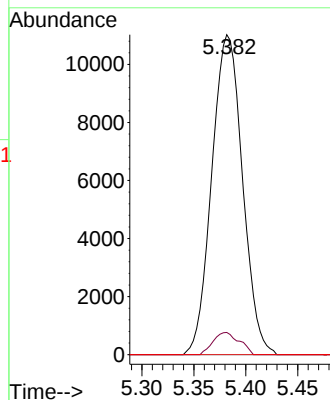


#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

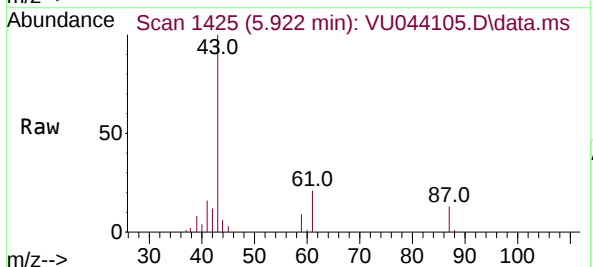
Instrument :
MSVOA_U
ClientSampled :



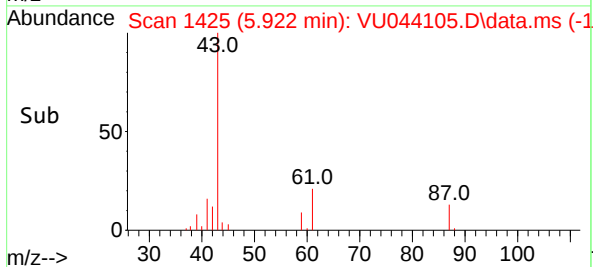
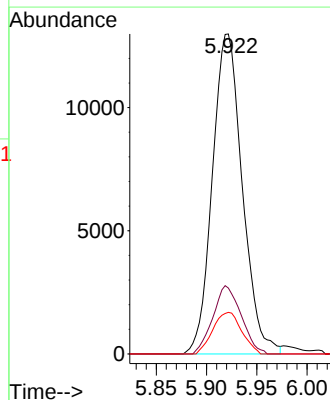
Tgt Ion:117 Resp: 22666
Ion Ratio Lower Upper
117 100
119 7.0 75.4 113.2#
121 0.0 24.5 36.7#

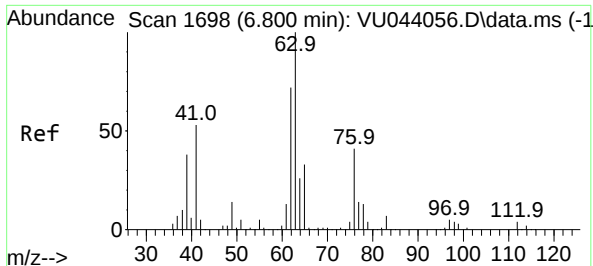


#43
Isopropyl Acetate
Concen: 3.138 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07



Tgt Ion: 43 Resp: 26927
Ion Ratio Lower Upper
43 100
61 20.1 16.8 25.2
87 12.5 10.2 15.2



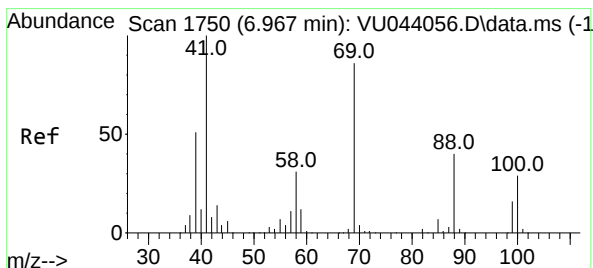
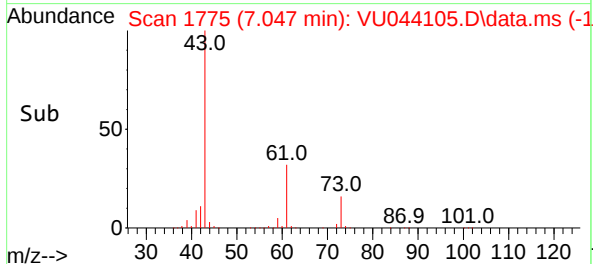
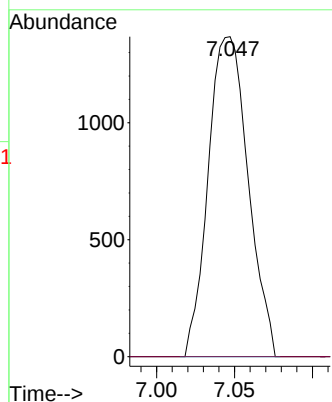
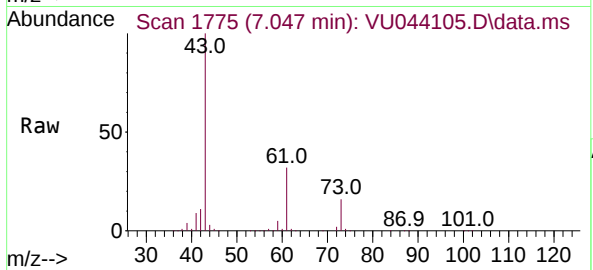


#45

1,2-Dichloropropane
Concen: 0.615 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Instrument :
MSVOA_U
ClientSampled :

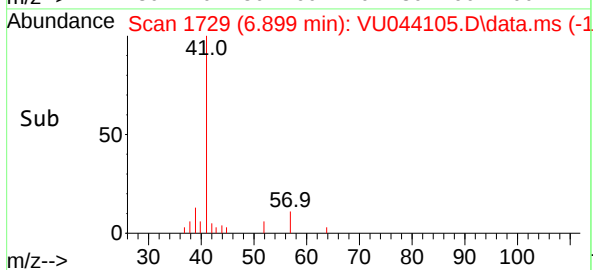
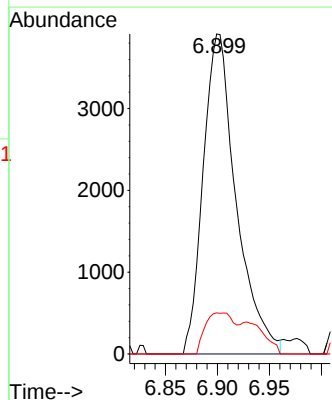
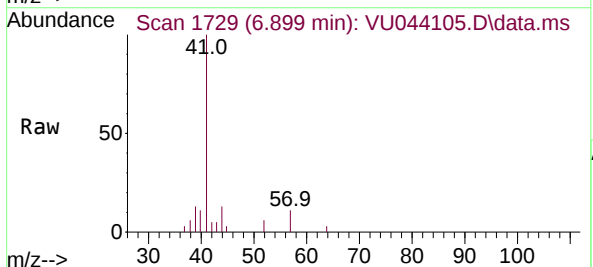
Tgt Ion: 63 Resp: 2437
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

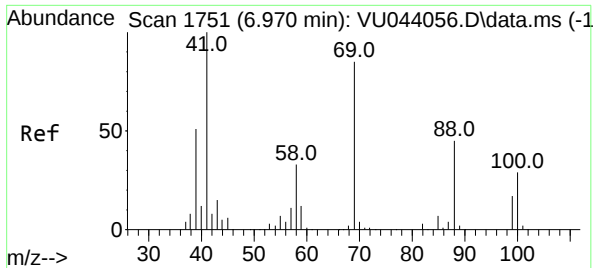


#48

Methyl methacrylate
Concen: 2.044 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 41 Resp: 8647
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: 1.951 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044105.D

Acq: 08 Jun 2021 11:07

Tgt Ion: 88 Resp: 203

Ion Ratio Lower Upper

88 100

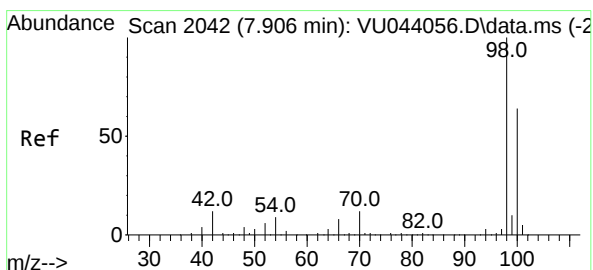
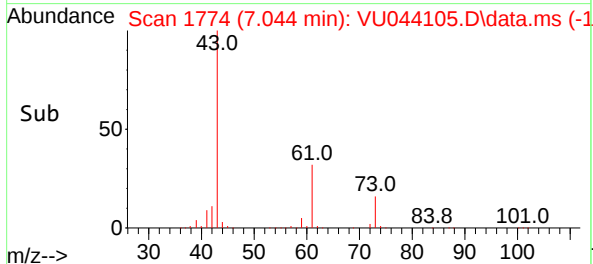
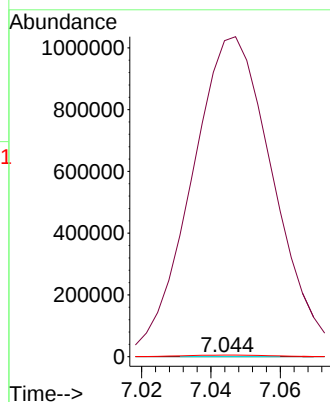
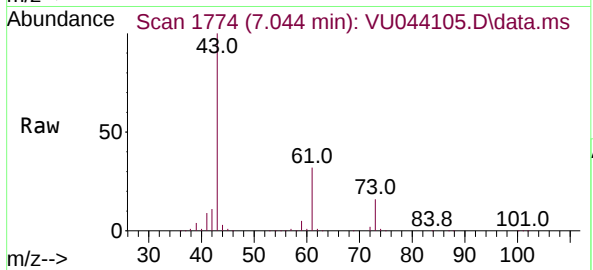
43 859970.9 25.0 37.4#

58 4858.6 60.0 90.0#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 50.466 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044105.D

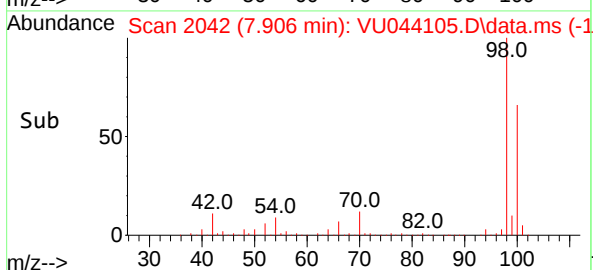
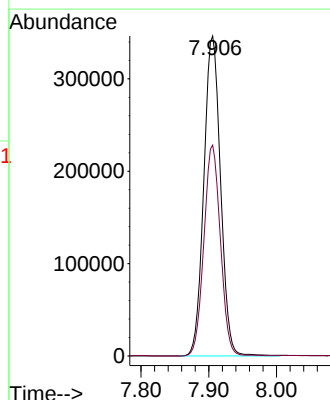
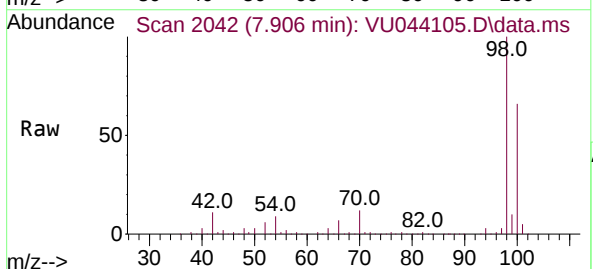
Acq: 08 Jun 2021 11:07

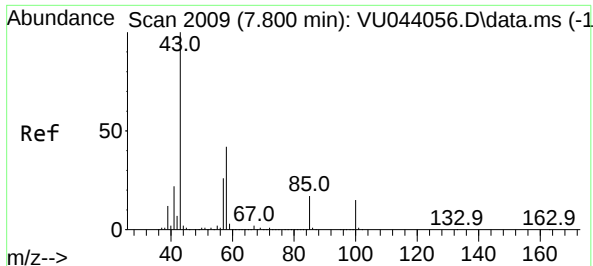
Tgt Ion: 98 Resp: 593978

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4

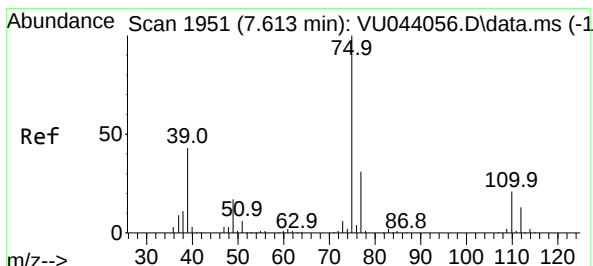
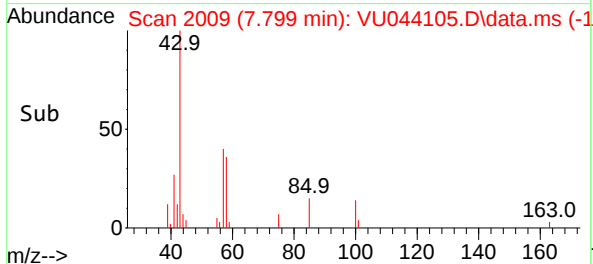
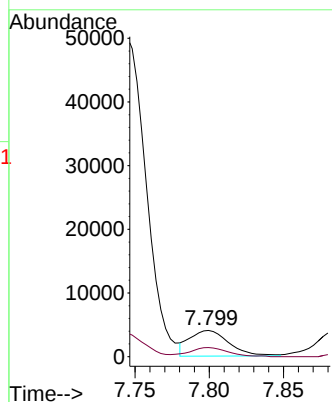
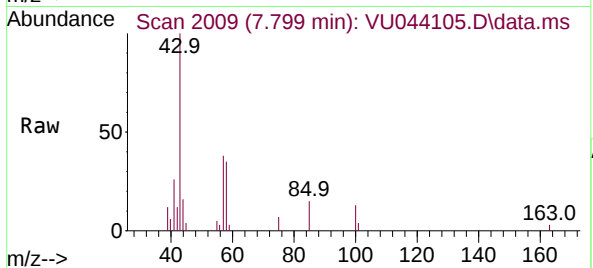




#51
4-Methyl-2-Pentanone
Concen: 1.170 ug/l
RT: 7.799 min Scan# 2009
Delta R.T. -0.001 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

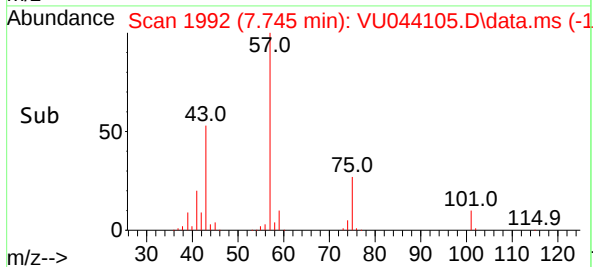
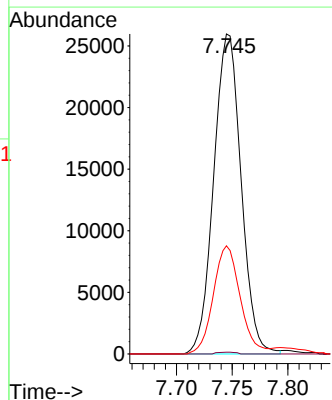
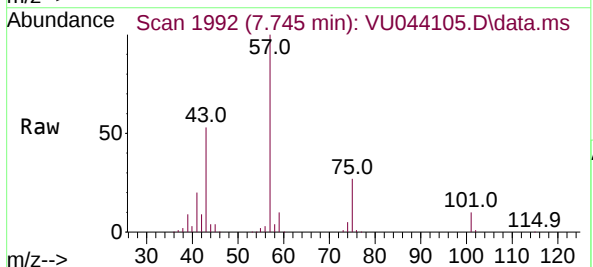
Instrument :
MSVOA_U
ClientSampled :

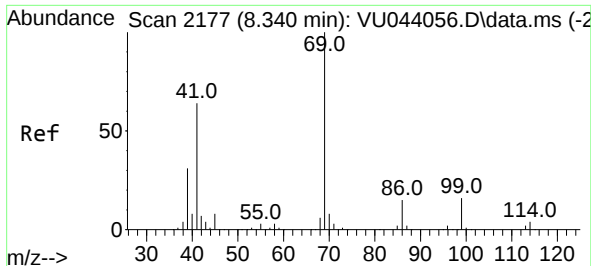
Tgt Ion: 43 Resp: 7454
Ion Ratio Lower Upper
43 100
58 34.8 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.540 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 75 Resp: 44419
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 33.8 34.7 52.1#

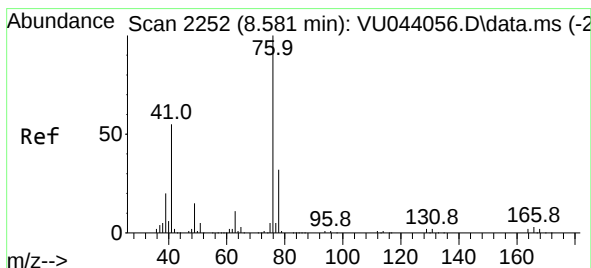
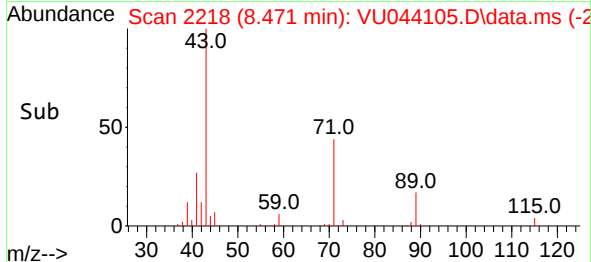
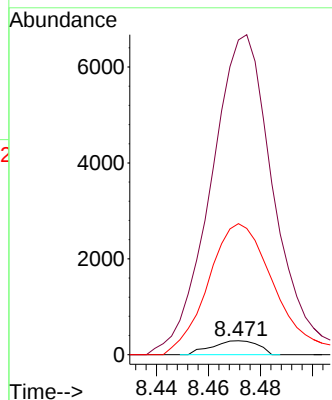
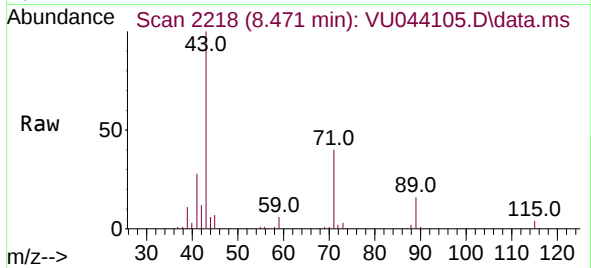




#56
Ethyl methacrylate
Concen: 3.438 ug/l
RT: 8.471 min Scan# 2218
Delta R.T. 0.131 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

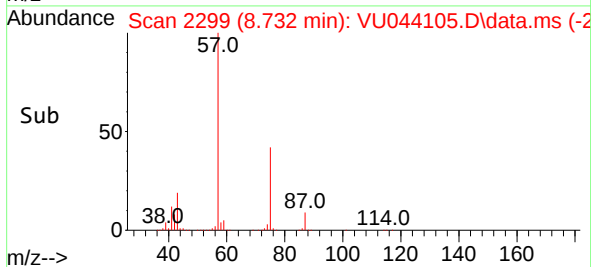
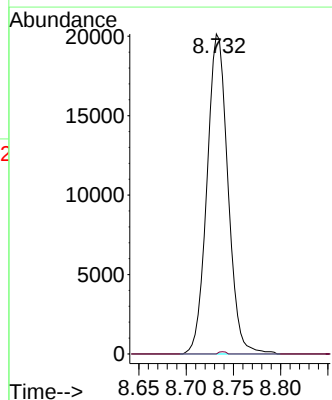
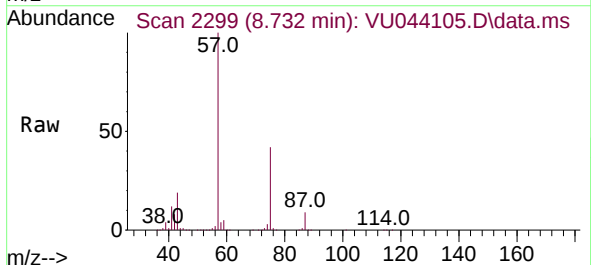
Instrument :
MSVOA_U
ClientSampleId :

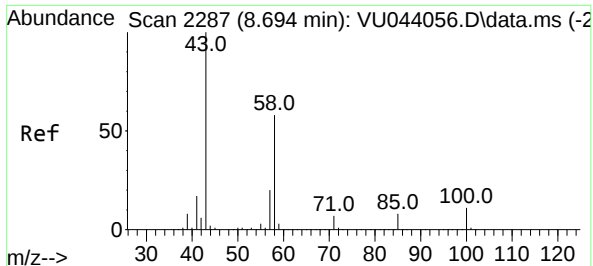
Tgt Ion: 69 Resp: 361
Ion Ratio Lower Upper
69 100
41 3173.4 51.4 77.0#
39 1387.8 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.781 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 76 Resp: 31015
Ion Ratio Lower Upper
76 100
78 0.2 25.9 38.9#

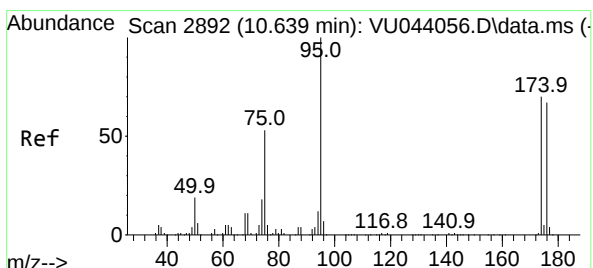
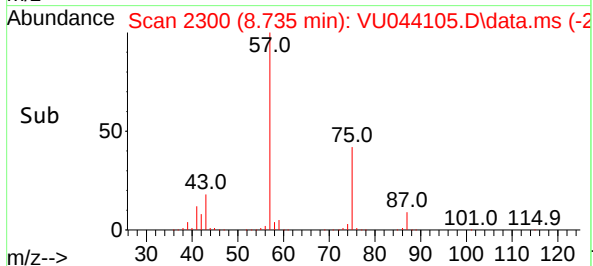
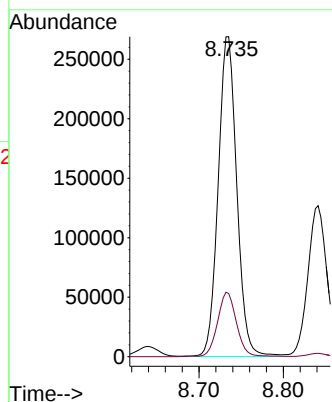
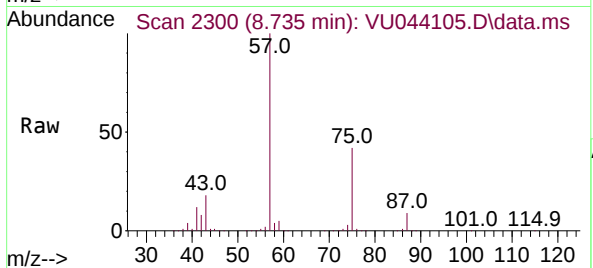




#59
2-Hexanone
Concen: 83.057 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

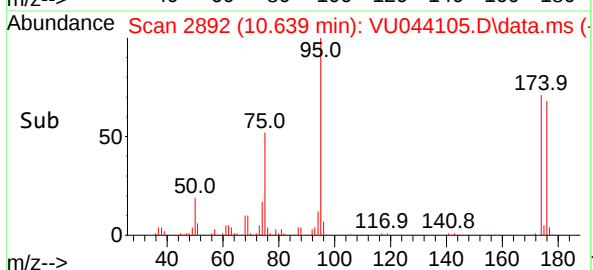
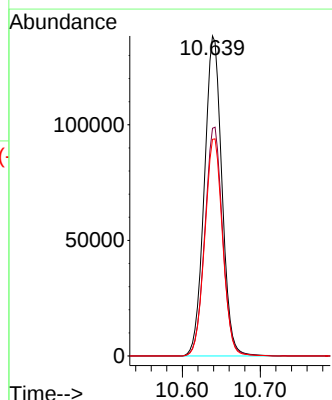
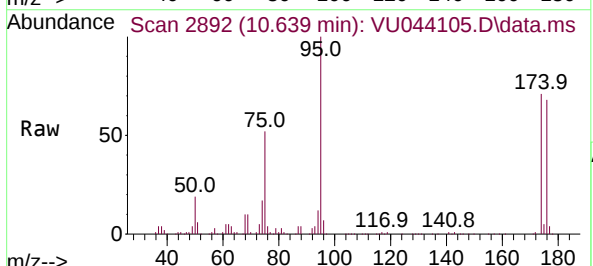
Instrument :
MSVOA_U
ClientSampled :

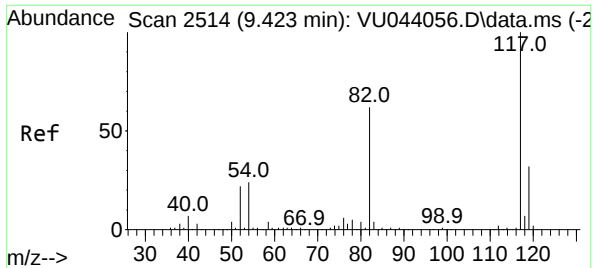
Tgt Ion: 43 Resp: 411328
Ion Ratio Lower Upper
43 100
58 20.6 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.453 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 95 Resp: 216463
Ion Ratio Lower Upper
95 100
174 72.2 0.0 141.0
176 68.9 0.0 135.2

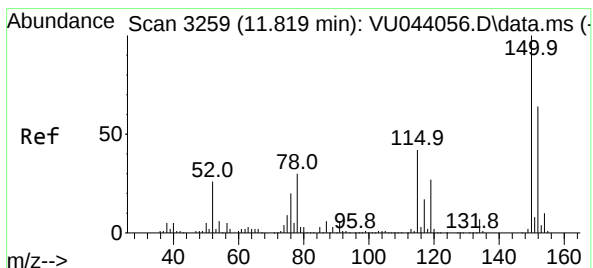
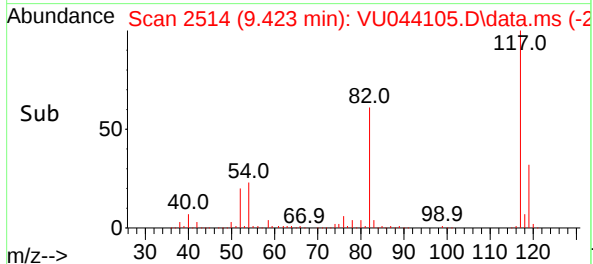
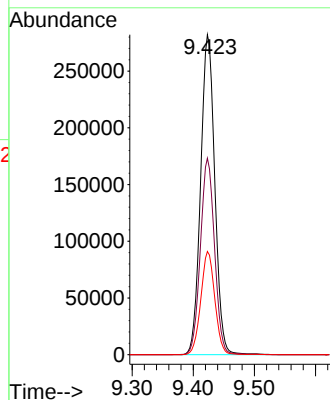
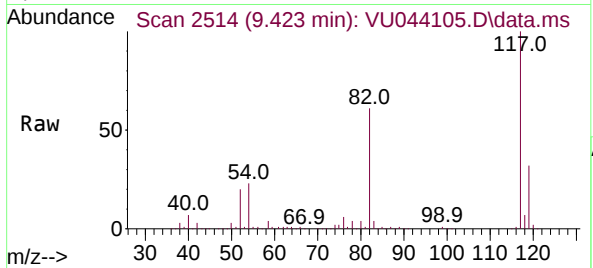




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

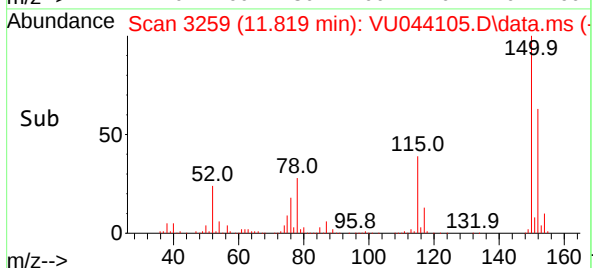
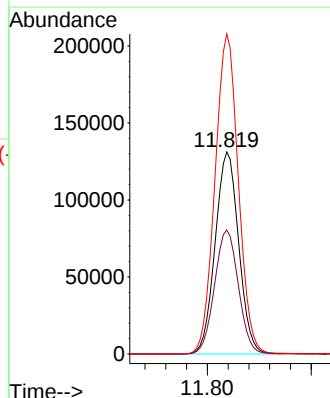
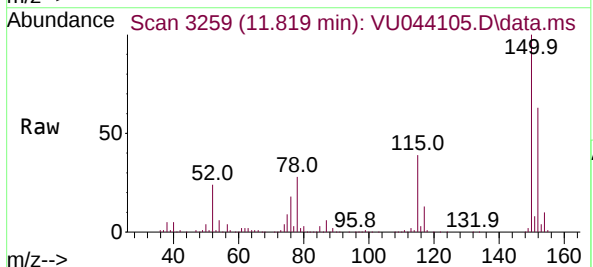
Instrument :
MSVOA_U
ClientSampleId :

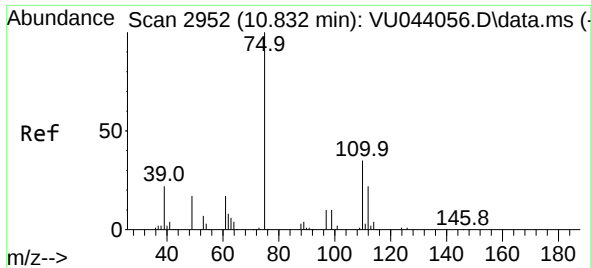
Tgt Ion:117 Resp: 454251
Ion Ratio Lower Upper
117 100
82 61.4 50.0 75.0
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion:152 Resp: 206196
Ion Ratio Lower Upper
152 100
115 62.3 44.6 134.0
150 157.6 0.0 347.8

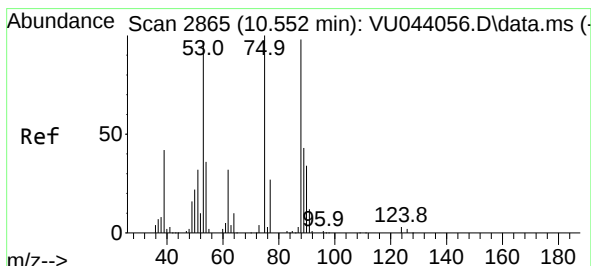
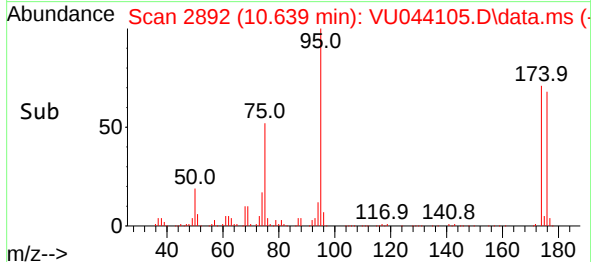
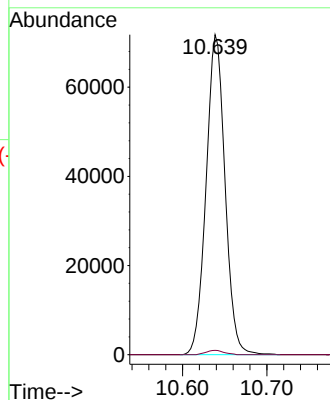
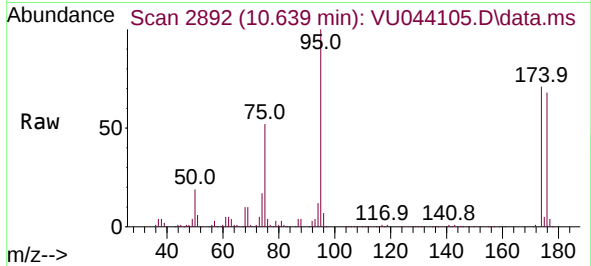




#76
1,2,3-Trichloropropane
Concen: 19.454 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

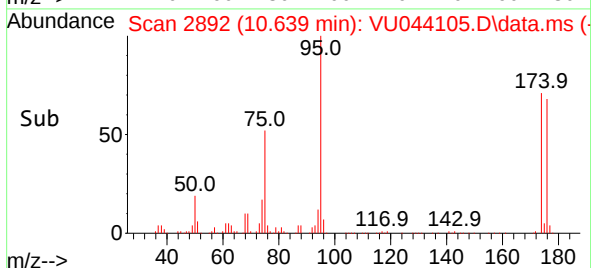
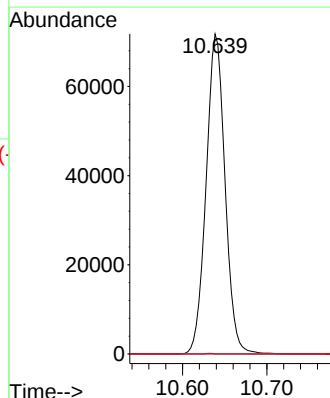
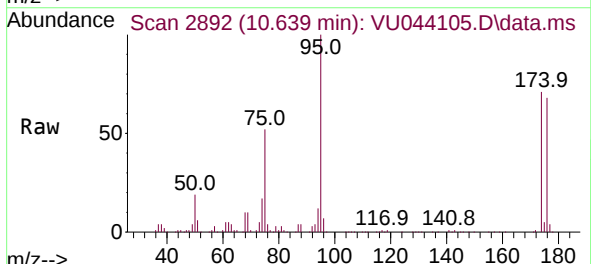
Instrument :
MSVOA_U
ClientSampled :

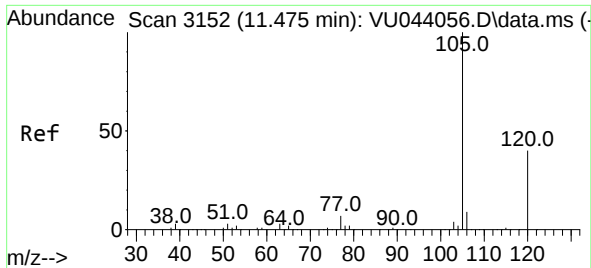
Tgt Ion: 75 Resp: 112215
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.806 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion: 75 Resp: 112215
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

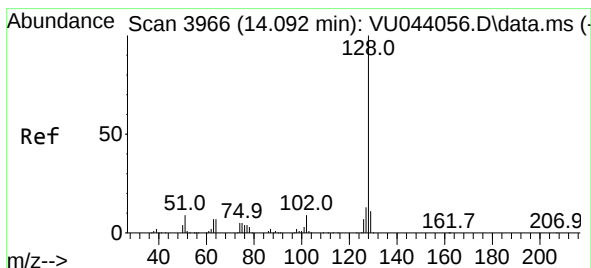
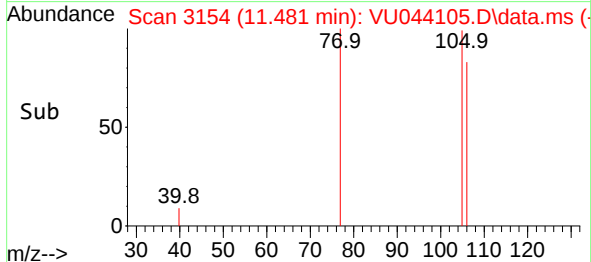
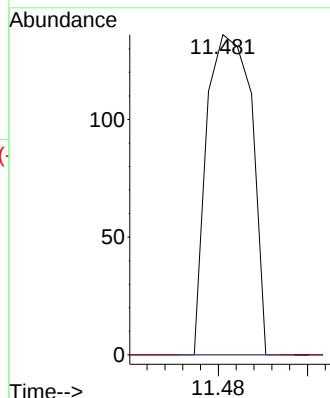
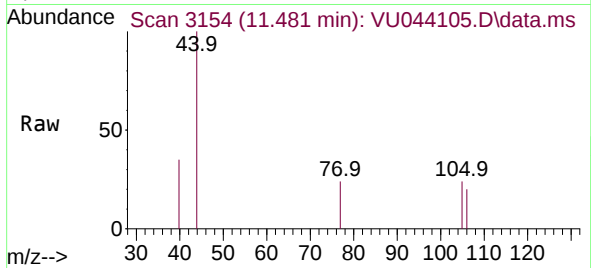




#84
1,2,4-Trimethylbenzene
Concen: 0.956 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 95
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.862 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044105.D
Acq: 08 Jun 2021 11:07

Tgt Ion:128 Resp: 252
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

