

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044106.D
 Acq On : 08 Jun 2021 11:31
 Operator : SY/MD
 Sample : M2612-29
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:12:09 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)

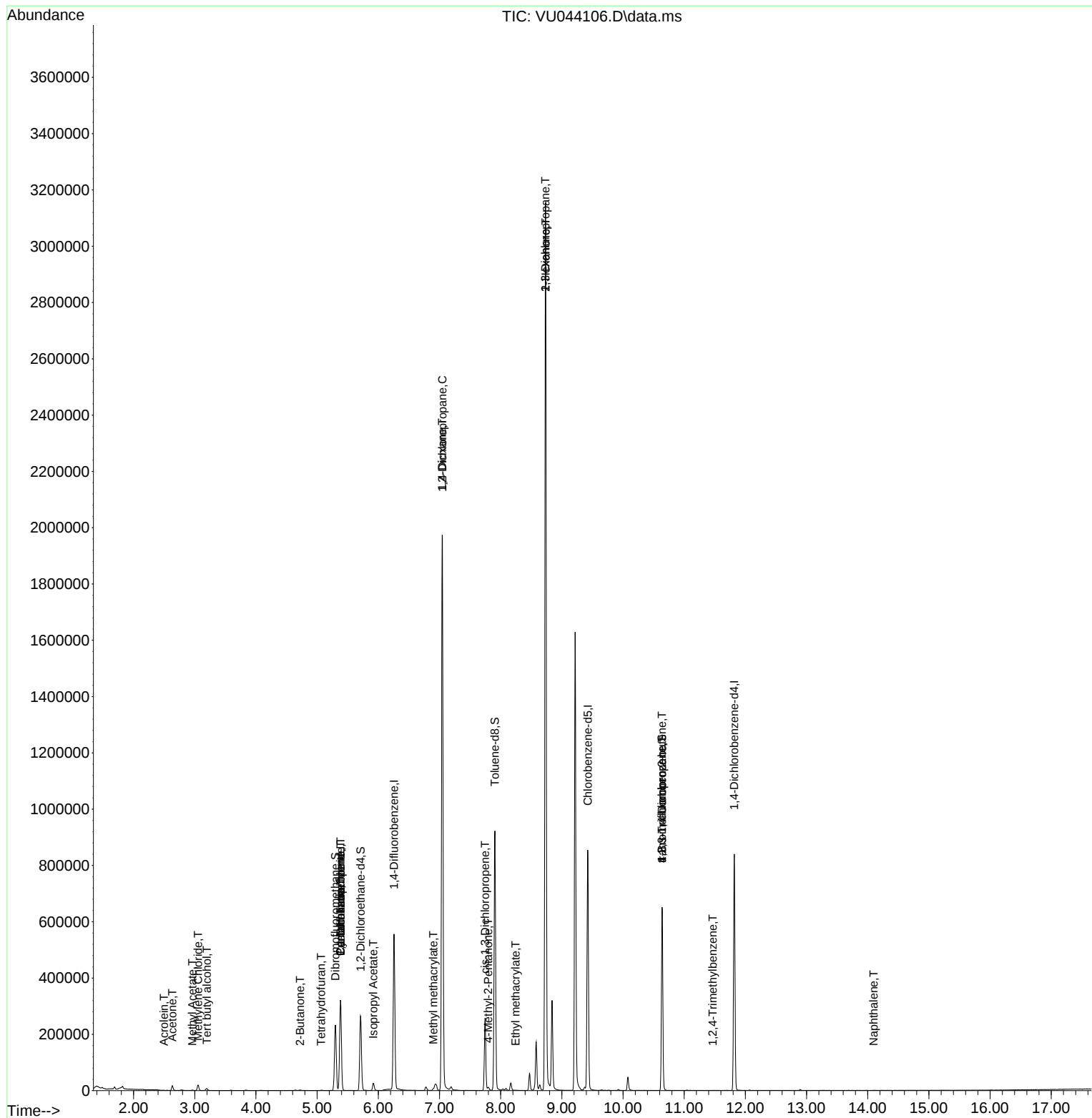
Internal Standards						
1) Pentafluorobenzene	5.382	168	211261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	421232	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	454684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	211020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	191601	52.076	ug/l	0.00
Spiked Amount 50.000			Recovery	= 104.160%		
35) Dibromofluoromethane	5.298	113	149678	49.793	ug/l	0.00
Spiked Amount 50.000			Recovery	= 99.580%		
50) Toluene-d8	7.906	98	597207	51.507	ug/l	0.00
Spiked Amount 50.000			Recovery	= 103.020%		
62) 4-Bromofluorobenzene	10.639	95	220588	48.052	ug/l	0.00
Spiked Amount 50.000			Recovery	= 96.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	831	Below Cal		91
11) Tert butyl alcohol	3.198	59	4788	5.249 ug/l	#	72
13) Acrolein	2.497	56	351	0.489 ug/l		98
16) Acetone	2.633	43	18887	8.894 ug/l		97
18) Methyl Acetate	2.960	43	2317	0.495 ug/l	#	89
20) Methylene Chloride	3.054	84	9061	1.187 ug/l		96
25) 2-Butanone	4.722	43	3299	1.089 ug/l	#	84
29) Tetrahydrofuran	5.066	42	951	0.565 ug/l	#	51
31) Cyclohexane	5.382	56	5218	1.027 ug/l	#	1
36) 1,1-Dichloropropene	5.382	75	18753	3.952 ug/l	#	51
38) Carbon Tetrachloride	5.382	117	21929	5.114 ug/l	#	17
43) Isopropyl Acetate	5.919	43	26549	3.140 ug/l		100
45) 1,2-Dichloropropane	7.047	63	2420	0.620 ug/l	#	42
48) Methyl methacrylate	6.899	41	9859	2.365 ug/l	#	14
49) 1,4-Dioxane	7.044	88	147	1.434 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.796	43	7030	1.120 ug/l		95
54) cis-1,3-Dichloropropene	7.745	75	44490	7.666 ug/l	#	64
56) Ethyl methacrylate	8.243	69	140	3.406 ug/l	#	26
57) 1,3-Dichloropropane	8.732	76	31823	4.980 ug/l	#	43
59) 2-Hexanone	8.735	43	419055	85.895 ug/l	#	50
76) 1,2,3-Trichloropropane	10.639	75	113720	19.264 ug/l	#	43
81) trans-1,4-Dichloro-2-b...	10.639	75	113720	56.252 ug/l	#	11
84) 1,2,4-Trimethylbenzene	11.468	105	101	0.956 ug/l	#	32
95) Naphthalene	14.098	128	299	2.865 ug/l	#	69

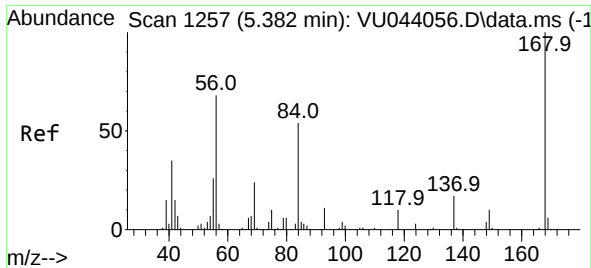
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

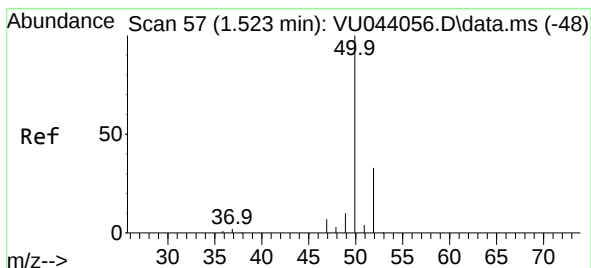
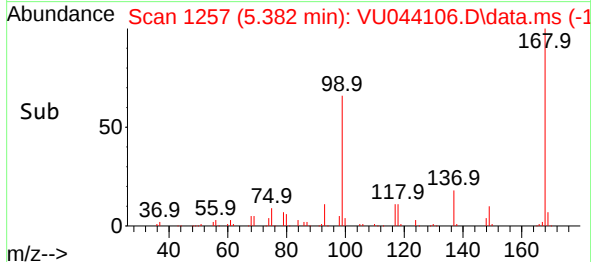
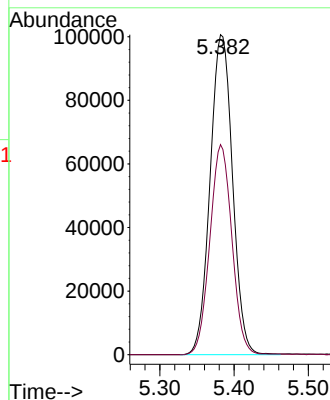
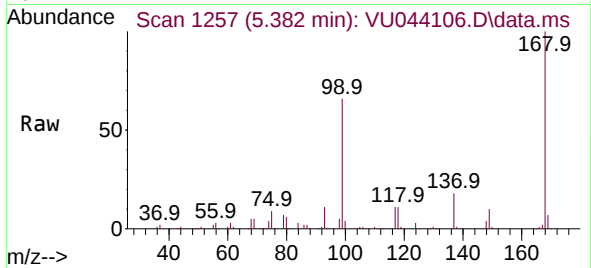




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

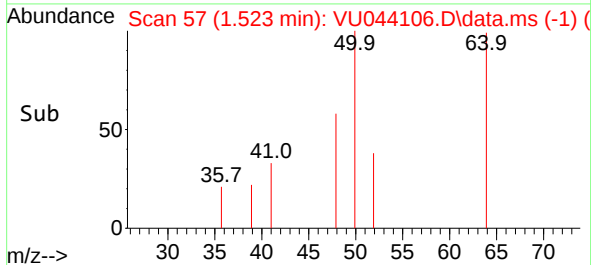
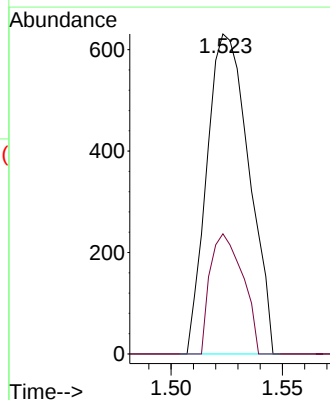
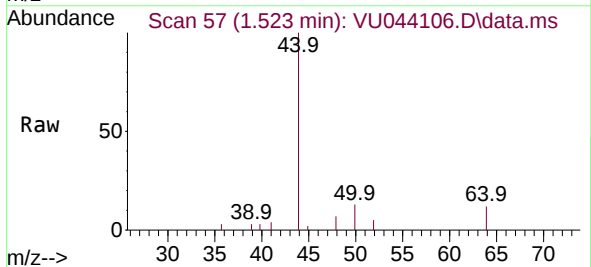
Instrument :
MSVOA_U
ClientSampled :

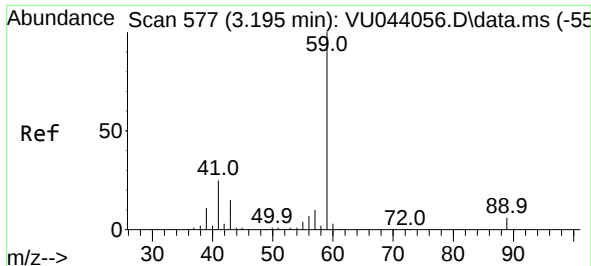
Tgt Ion:168 Resp: 211261
Ion Ratio Lower Upper
168 100
99 65.6 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 50 Resp: 831
Ion Ratio Lower Upper
50 100
52 37.6 26.2 39.2

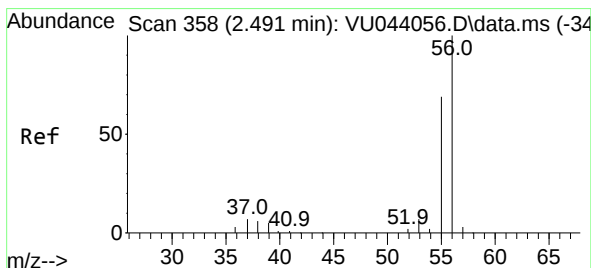
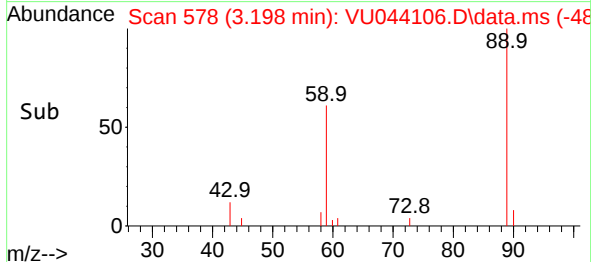
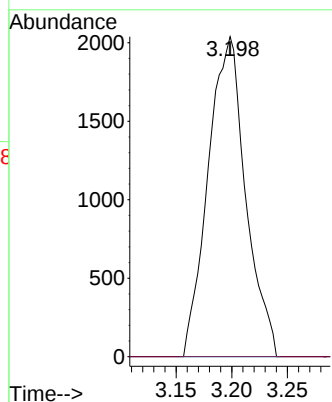
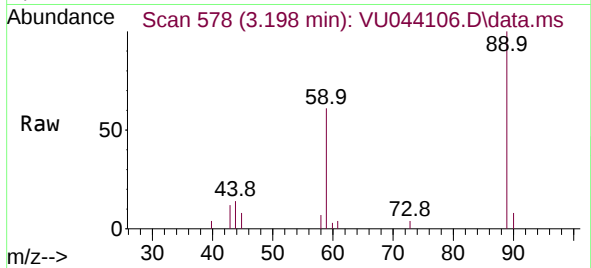




#11
Tert butyl alcohol
Concen: 5.249 ug/l
RT: 3.198 min Scan# 578
Delta R.T. 0.003 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

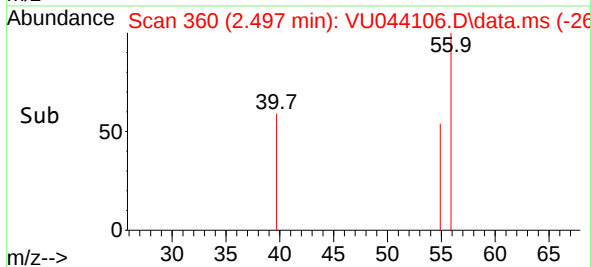
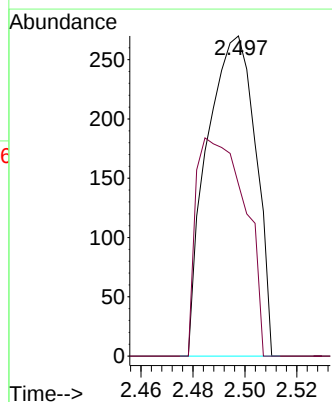
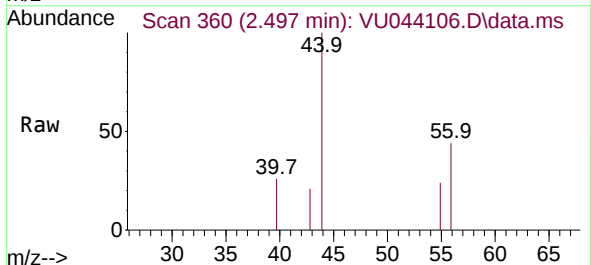
Instrument :
MSVOA_U
ClientSampled :

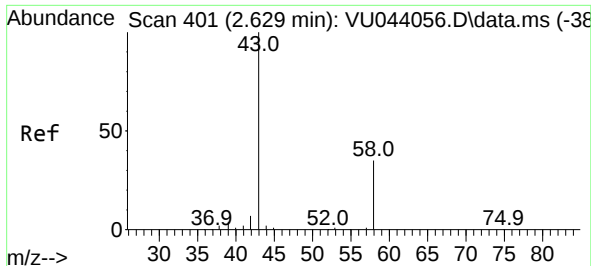
Tgt Ion: 59 Resp: 4788
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.489 ug/l
RT: 2.497 min Scan# 360
Delta R.T. 0.006 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

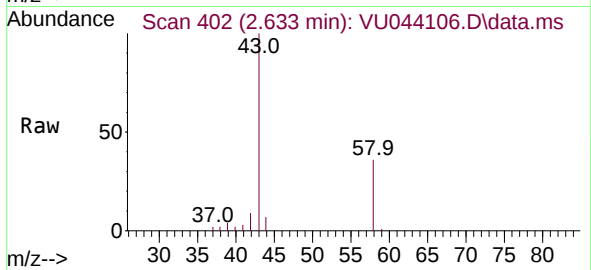
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 68.4 56.1 84.1



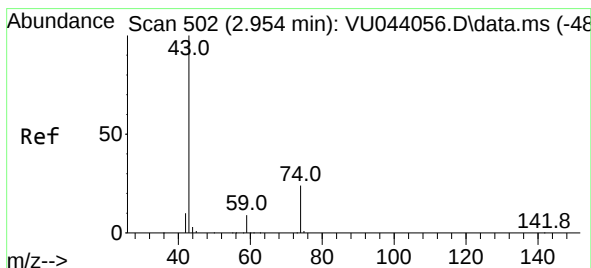
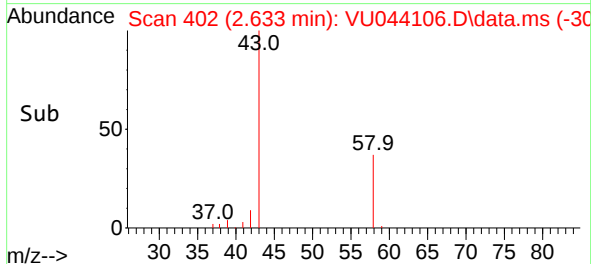
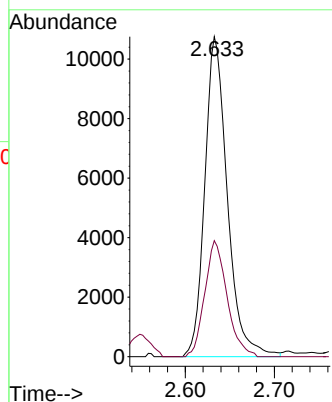


#16
Acetone
Concen: 8.894 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Instrument :
MSVOA_U
ClientSampled :

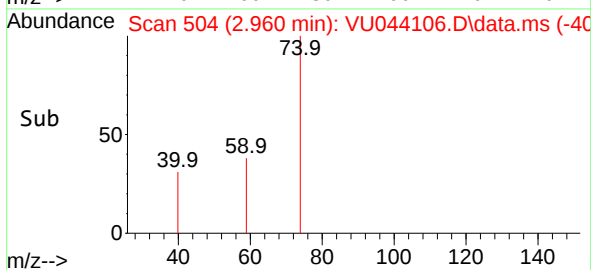
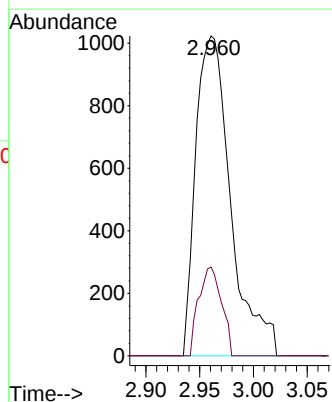
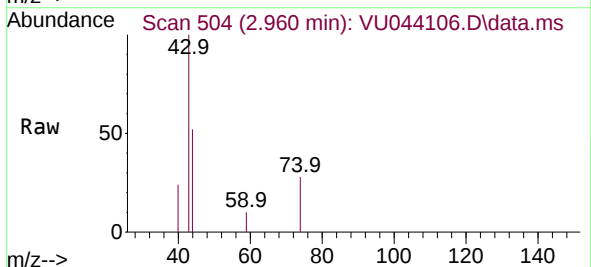


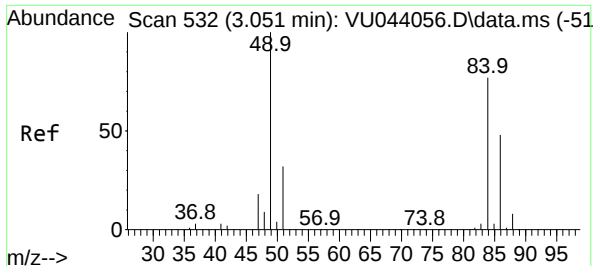
Tgt Ion: 43 Resp: 18887
Ion Ratio Lower Upper
43 100
58 36.3 27.7 41.5



#18
Methyl Acetate
Concen: 0.495 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

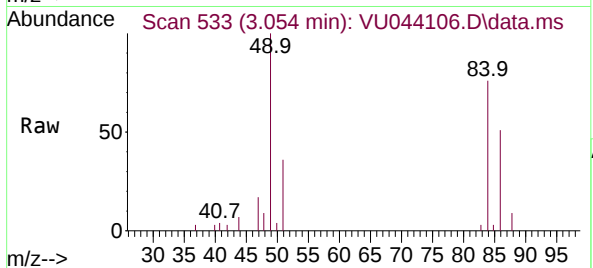
Tgt Ion: 43 Resp: 2317
Ion Ratio Lower Upper
43 100
74 18.0 18.7 28.1#



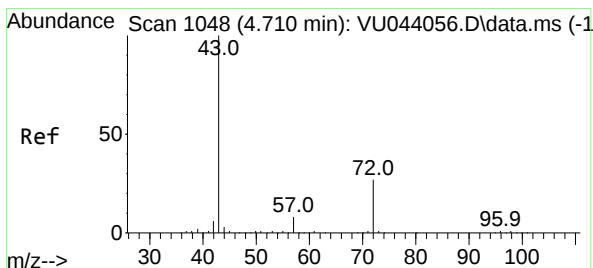
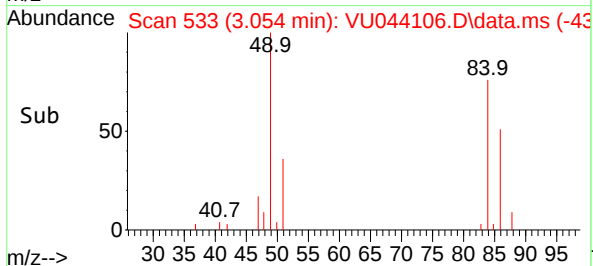
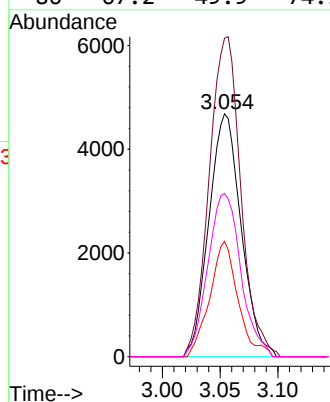


#20
Methylene Chloride
Concen: 1.187 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Instrument :
MSVOA_U
ClientSampled :

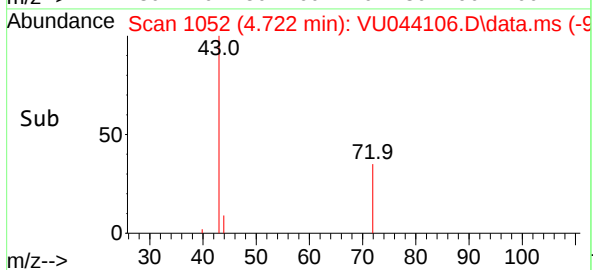
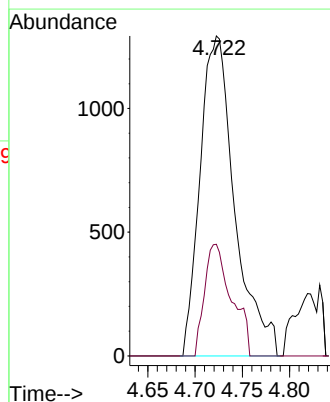
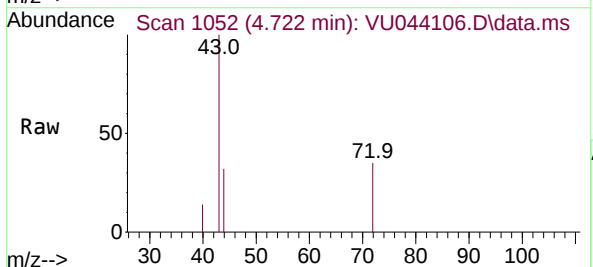


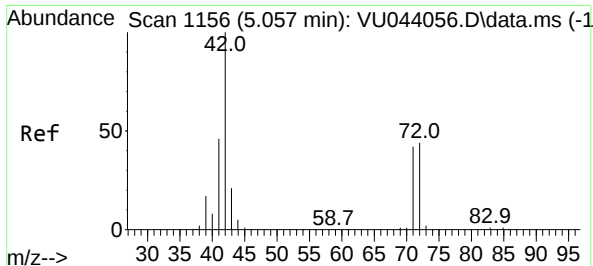
Tgt Ion:	84	Resp:	9061
Ion	Ratio	Lower	Upper
84	100		
49	131.1	103.6	155.4
51	47.5	32.8	49.2
86	67.2	49.9	74.9



#25
2-Butanone
Concen: 1.089 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.012 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion:	43	Resp:	3299
Ion	Ratio	Lower	Upper
43	100		
72	34.9	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.565 ug/l

RT: 5.066 min Scan# 1159

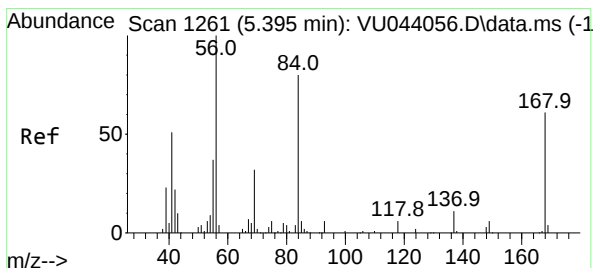
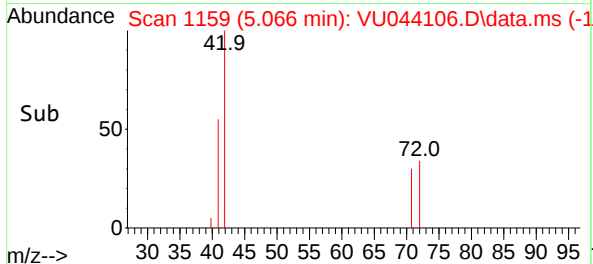
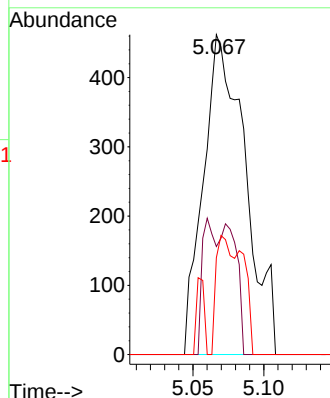
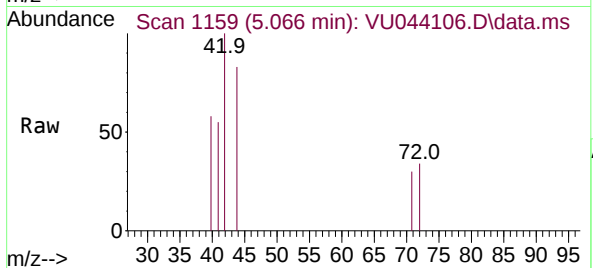
Delta R.T. 0.009 min

Lab File: VU044106.D

Acq: 08 Jun 2021 11:31

Tgt Ion:	42	Resp:	951
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.6	53.4#
71	23.7	33.3	49.9#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.027 ug/l

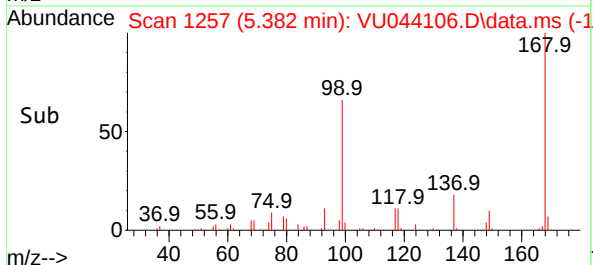
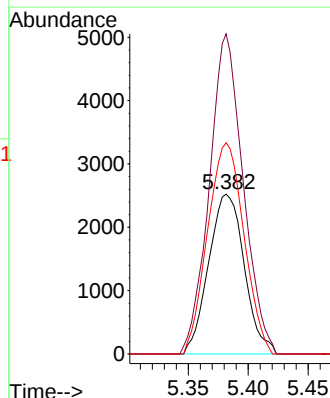
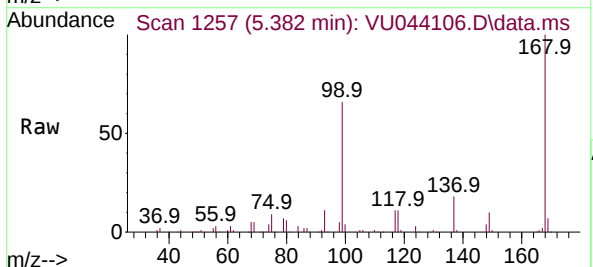
RT: 5.382 min Scan# 1257

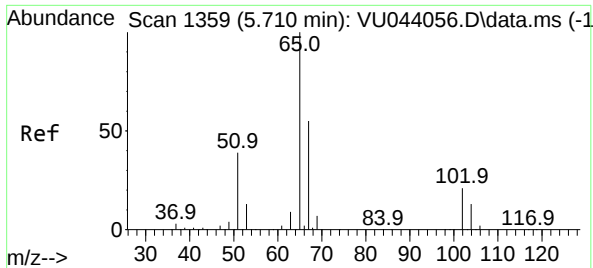
Delta R.T. -0.013 min

Lab File: VU044106.D

Acq: 08 Jun 2021 11:31

Tgt Ion:	56	Resp:	5218
Ion	Ratio	Lower	Upper
56	100		
69	200.2	25.4	38.2#
84	132.1	64.2	96.2#



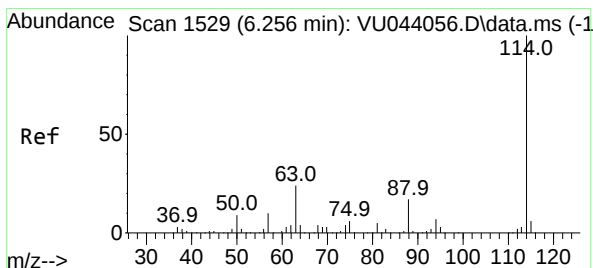
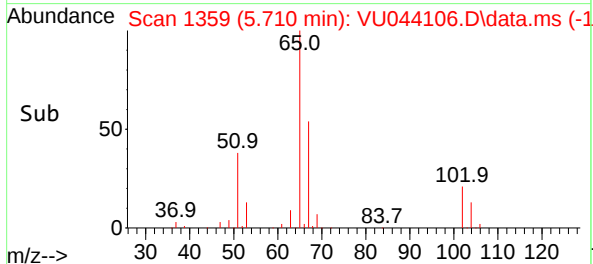
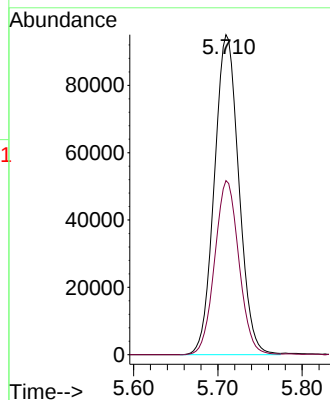
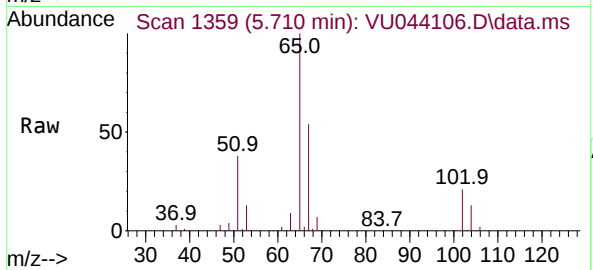


#33

1,2-Dichloroethane-d4
Concen: 52.076 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Instrument :
MSVOA_U
ClientSampleId :

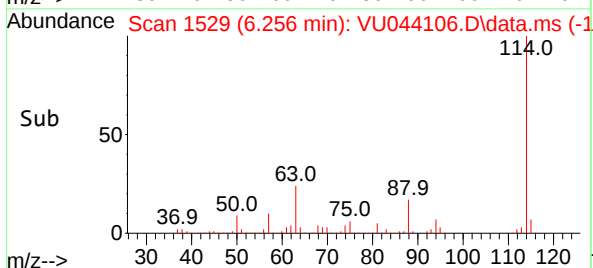
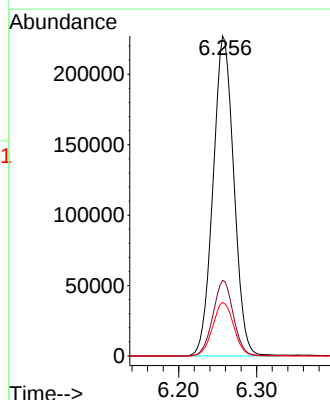
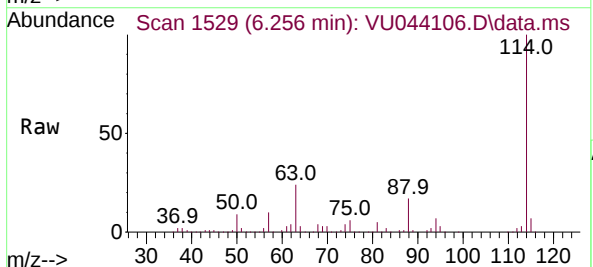
Tgt Ion: 65 Resp: 191601
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2

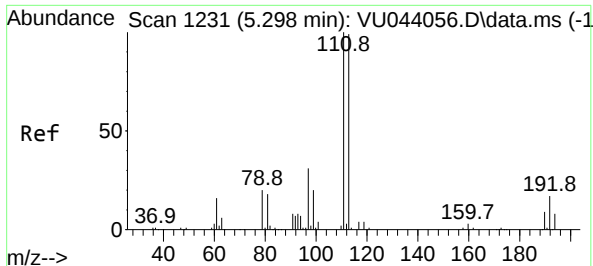


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 114 Resp: 421232
Ion Ratio Lower Upper
114 100
63 23.6 0.0 48.4
88 16.7 0.0 34.4

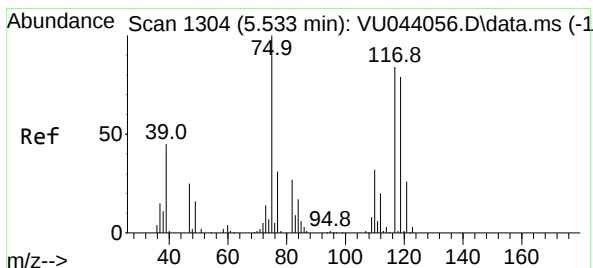
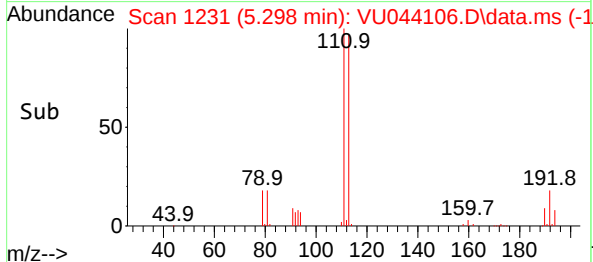
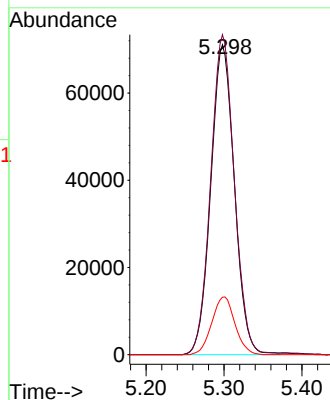
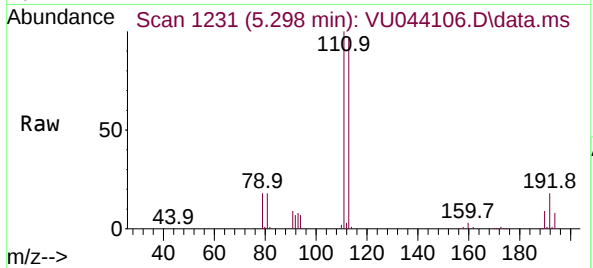




#35
Dibromofluoromethane
Concen: 49.793 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

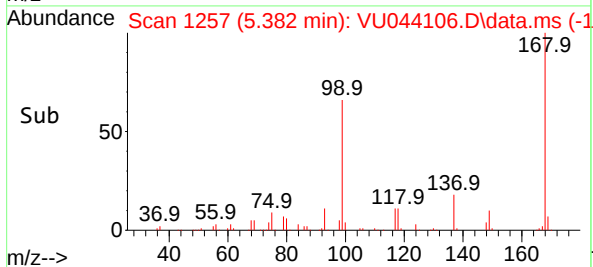
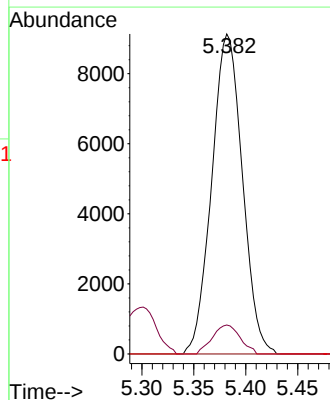
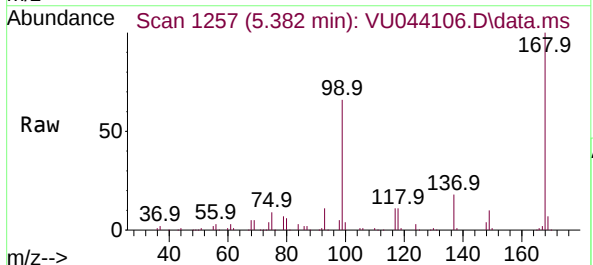
Instrument :
MSVOA_U
ClientSampleId :

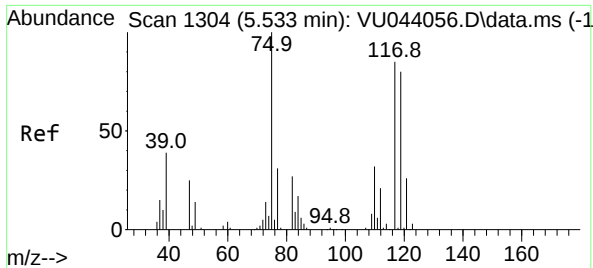
Tgt Ion:113 Resp: 149678
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 18.3 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.952 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

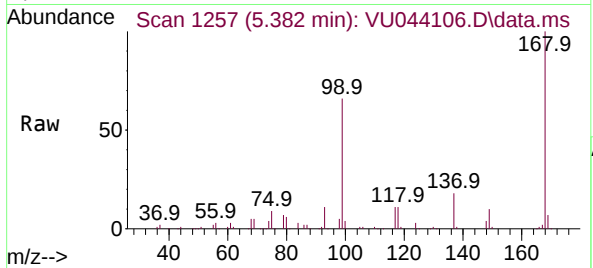
Tgt Ion: 75 Resp: 18753
Ion Ratio Lower Upper
75 100
110 8.2 15.9 47.7#
77 0.0 25.0 37.4#



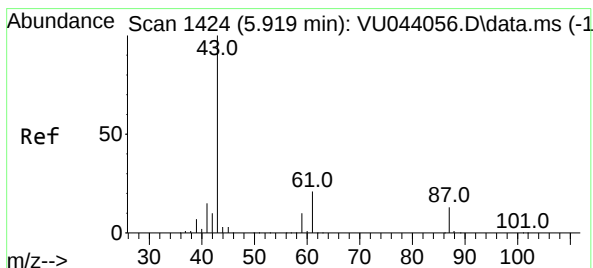
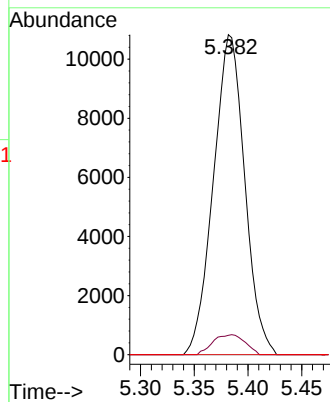
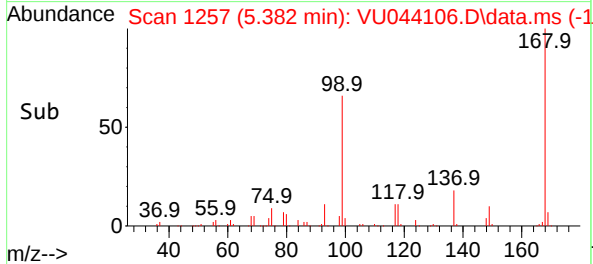


#38
Carbon Tetrachloride
Concen: 5.114 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

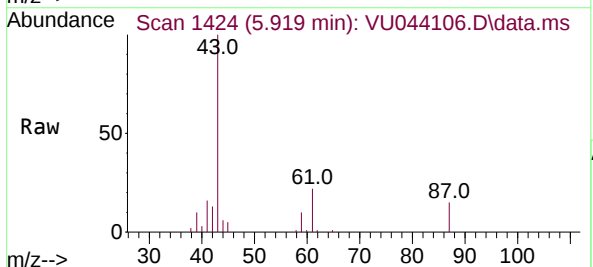
Instrument :
MSVOA_U
ClientSampleId :



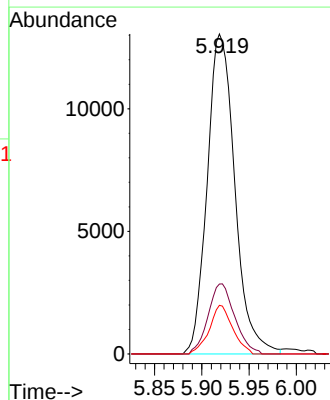
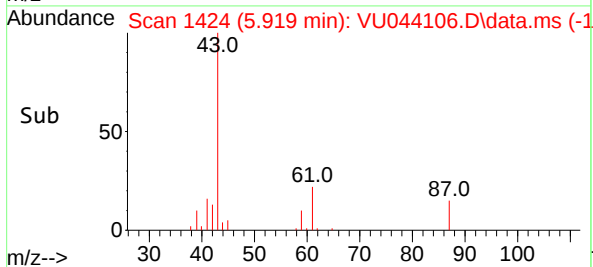
Tgt Ion:117 Resp: 21929
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.5 36.7#

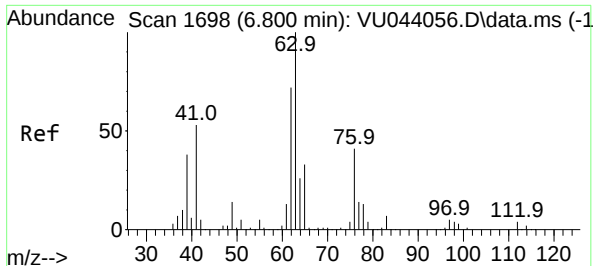


#43
Isopropyl Acetate
Concen: 3.140 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31



Tgt Ion: 43 Resp: 26549
Ion Ratio Lower Upper
43 100
61 21.1 16.8 25.2
87 12.9 10.2 15.2



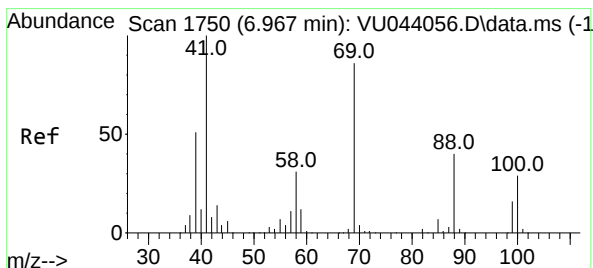
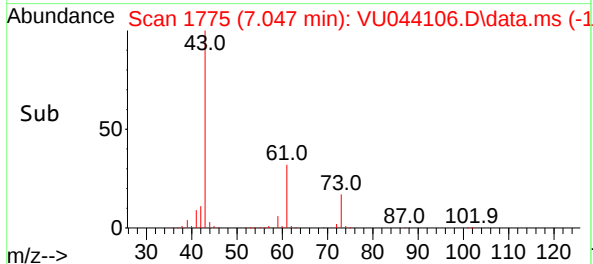
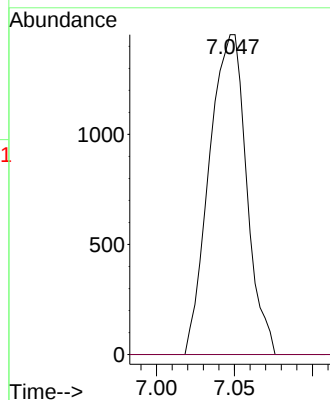
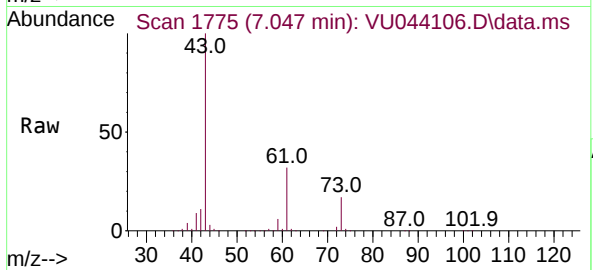


#45

1,2-Dichloropropane
Concen: 0.620 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Instrument :
MSVOA_U
ClientSampled :

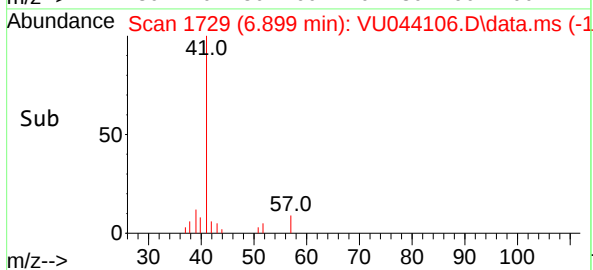
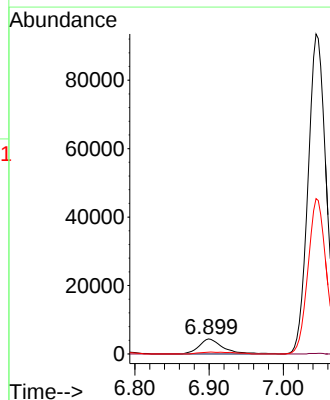
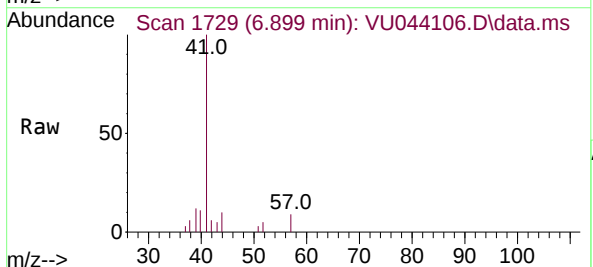
Tgt Ion: 63 Resp: 2420
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

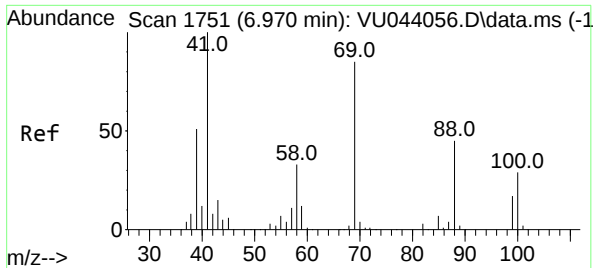


#48

Methyl methacrylate
Concen: 2.365 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 41 Resp: 9859
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: 1.434 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044106.D

Acq: 08 Jun 2021 11:31

Tgt Ion: 88 Resp: 147

Ion Ratio Lower Upper

88 100

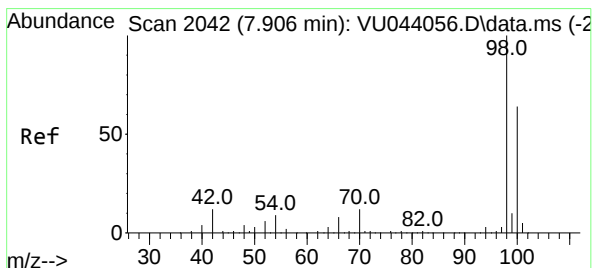
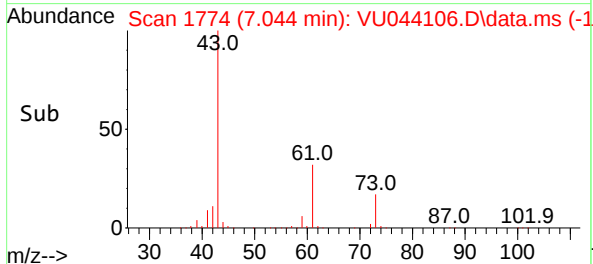
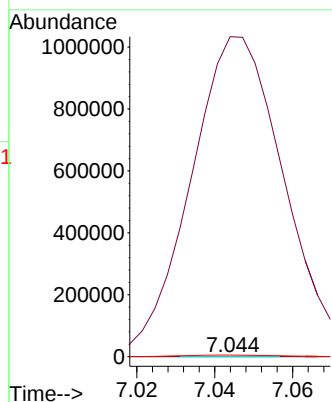
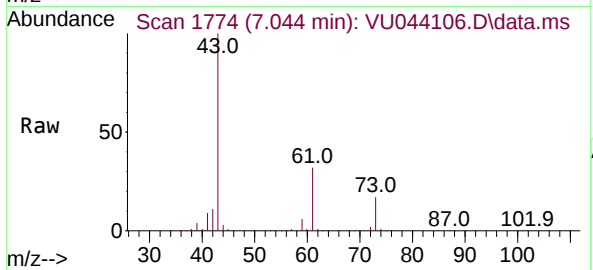
43 1197040.8 25.0 37.4#

58 6532.7 60.0 90.0#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 51.507 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044106.D

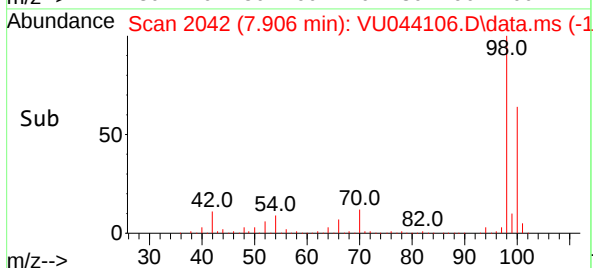
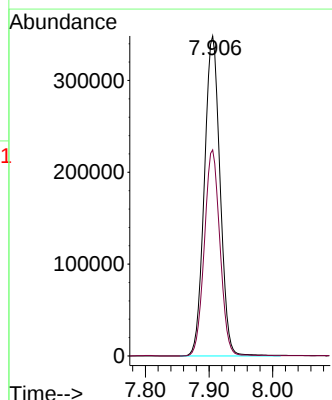
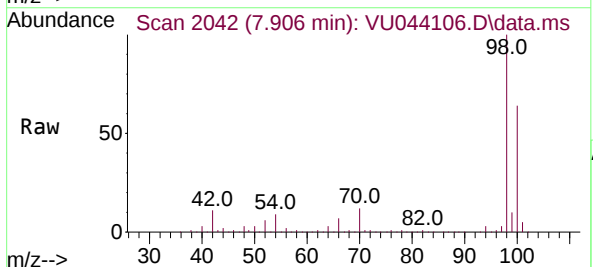
Acq: 08 Jun 2021 11:31

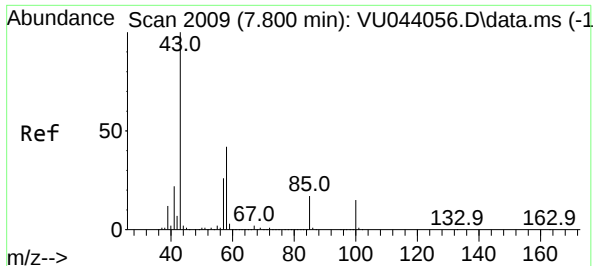
Tgt Ion: 98 Resp: 597207

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4

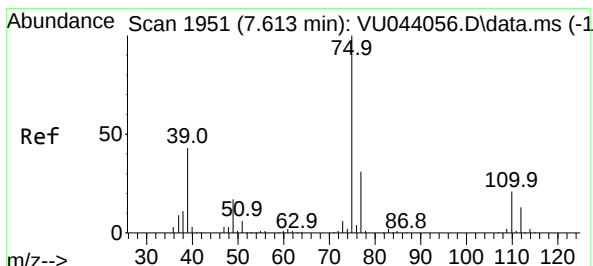
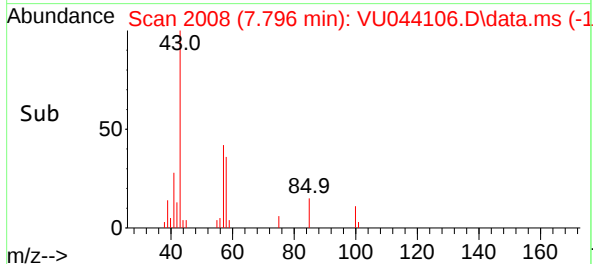
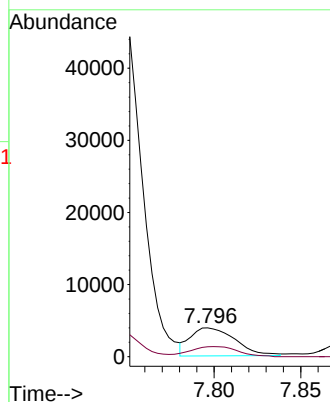
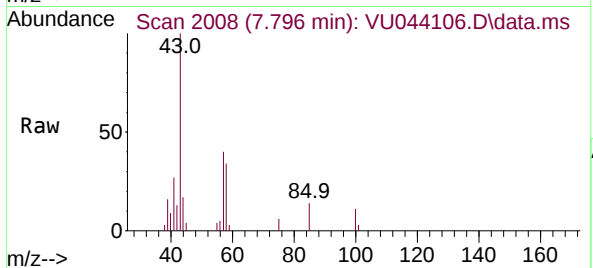




#51
4-Methyl-2-Pentanone
Concen: 1.120 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

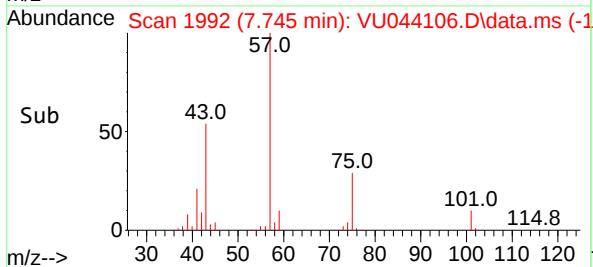
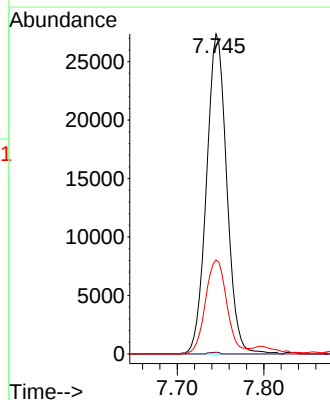
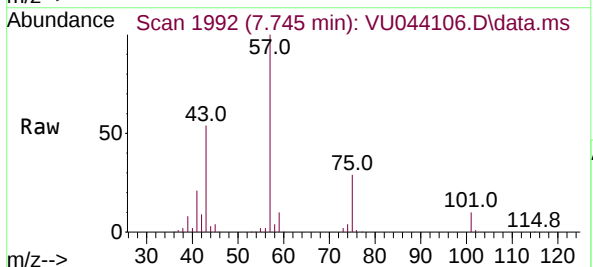
Instrument :
MSVOA_U
ClientSampled :

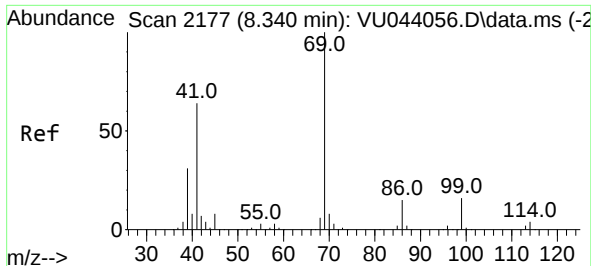
Tgt Ion: 43 Resp: 7030
Ion Ratio Lower Upper
43 100
58 38.3 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.666 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 75 Resp: 44490
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 29.4 34.7 52.1#

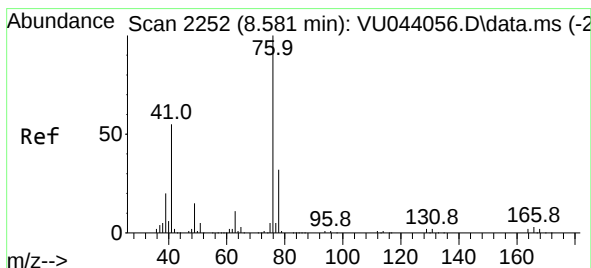
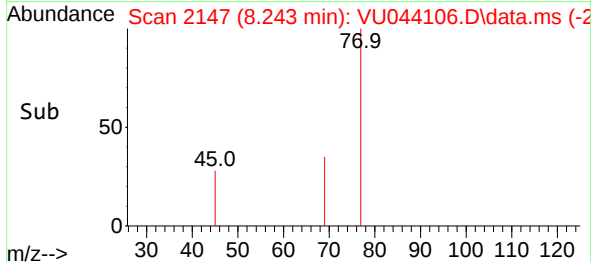
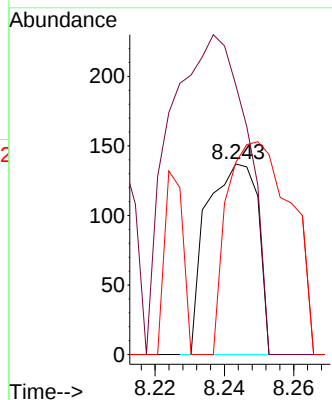
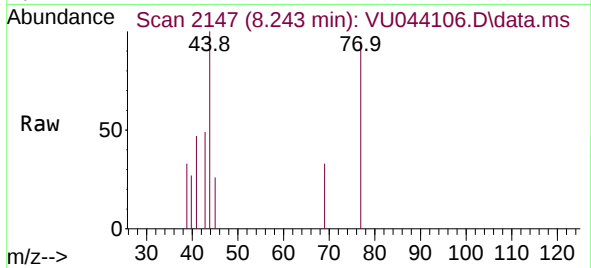




#56
Ethyl methacrylate
Concen: 3.406 ug/l
RT: 8.243 min Scan# 2147
Delta R.T. -0.097 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

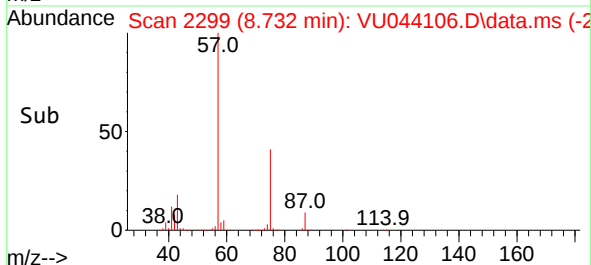
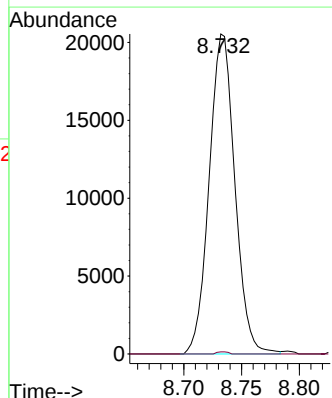
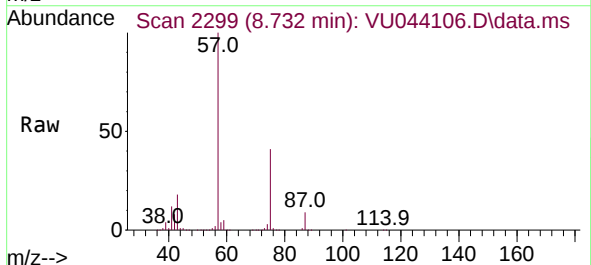
Instrument :
MSVOA_U
ClientSampled :

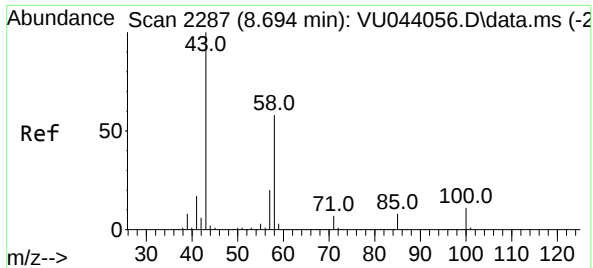
Tgt Ion: 69 Resp: 140
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.980 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 76 Resp: 31823
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#

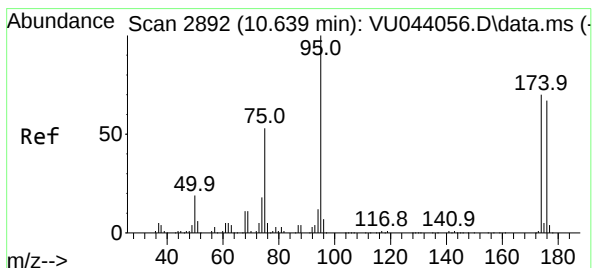
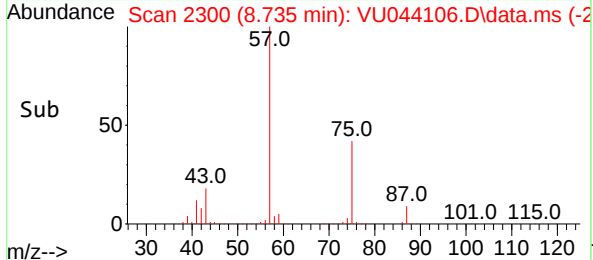
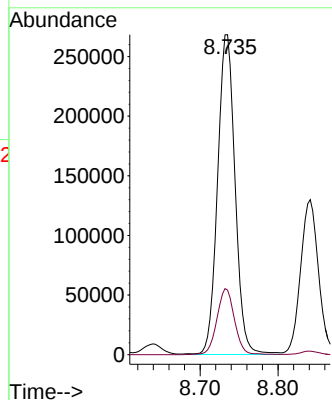
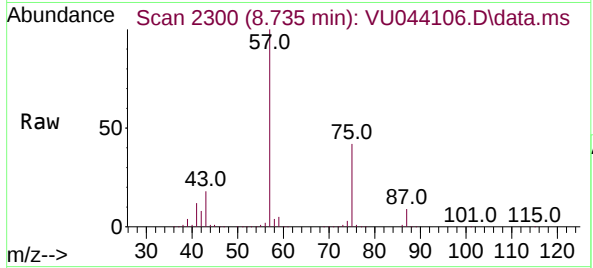




#59
2-Hexanone
Concen: 85.895 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

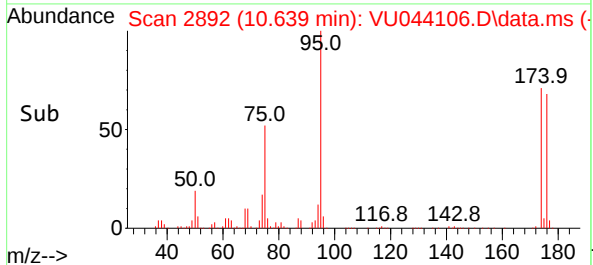
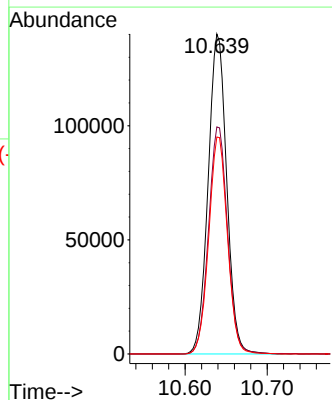
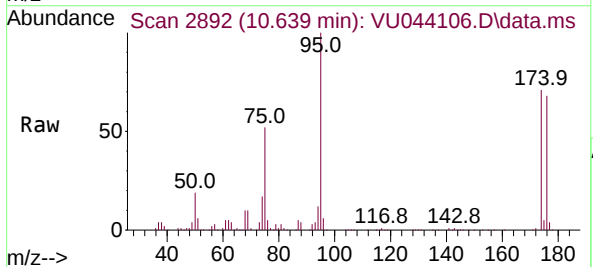
Instrument :
MSVOA_U
ClientSampled :

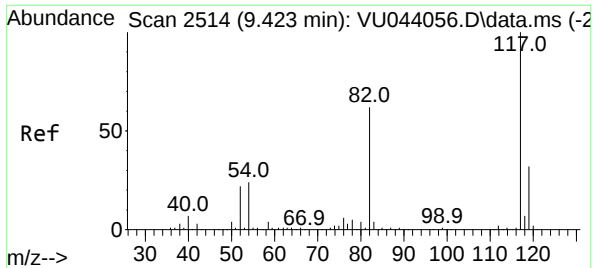
Tgt Ion: 43 Resp: 419055
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 48.052 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 95 Resp: 220588
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.0
176 68.5 0.0 135.2

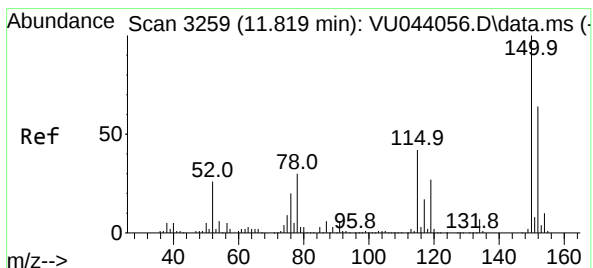
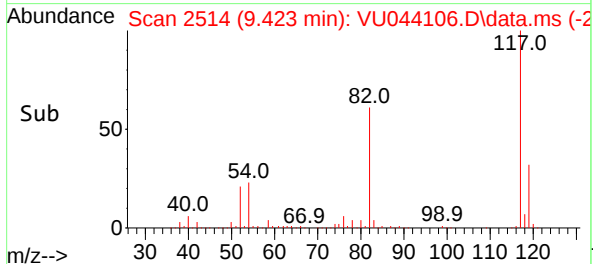
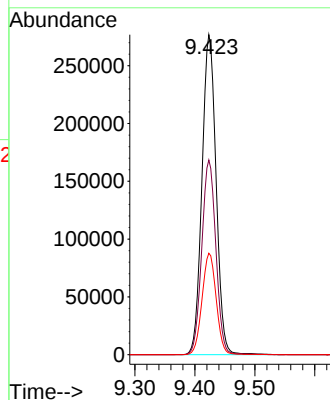
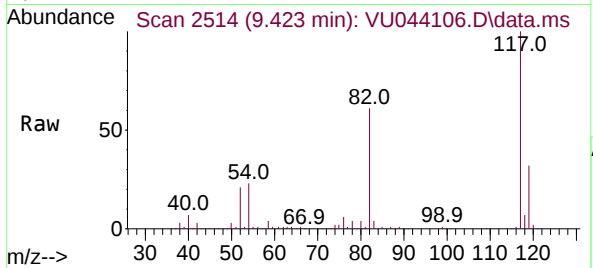




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

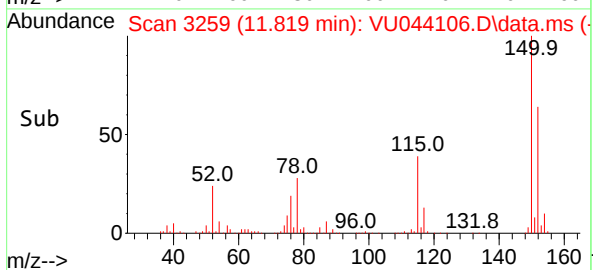
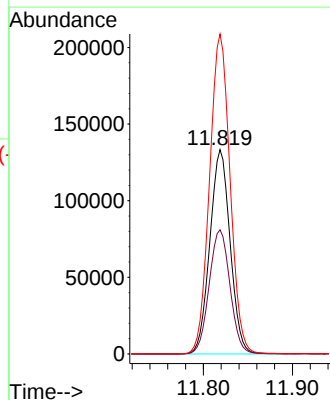
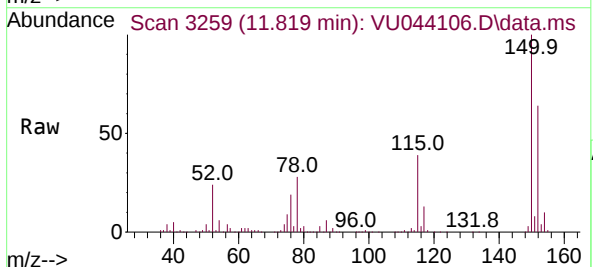
Instrument :
MSVOA_U
ClientSampled :

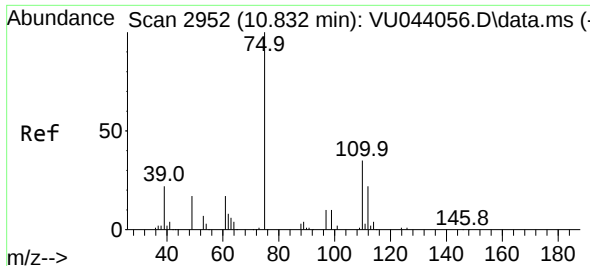
Tgt Ion:117 Resp: 454684
Ion Ratio Lower Upper
117 100
82 60.8 50.0 75.0
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion:152 Resp: 211020
Ion Ratio Lower Upper
152 100
115 62.3 44.6 134.0
150 158.0 0.0 347.8

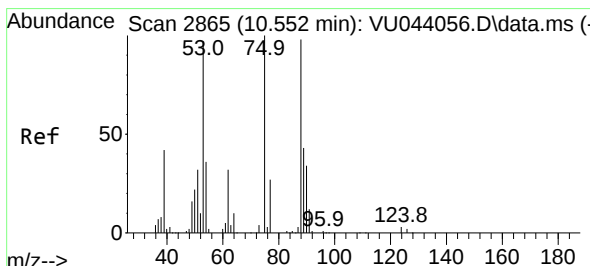
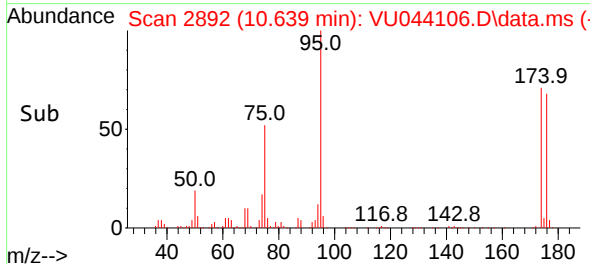
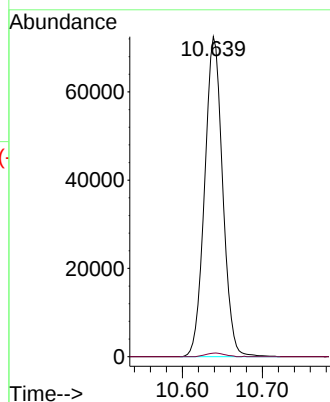
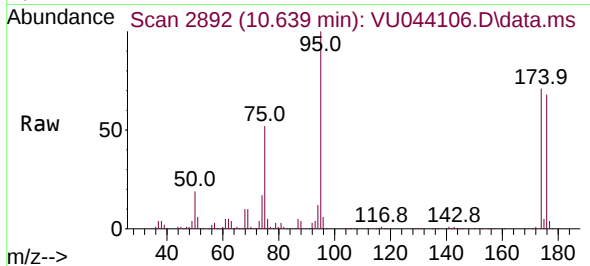




#76
1,2,3-Trichloropropane
Concen: 19.264 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

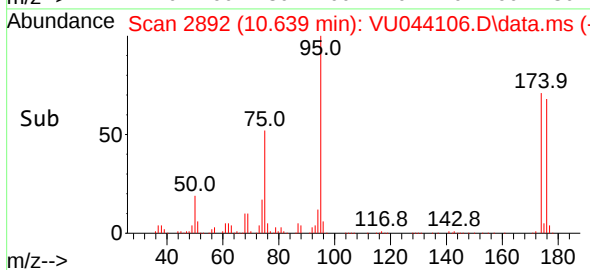
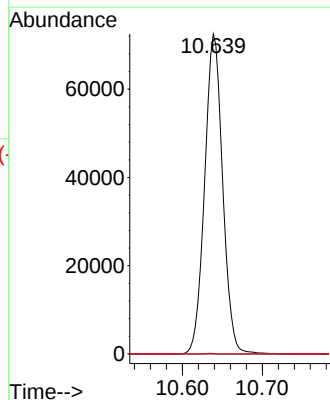
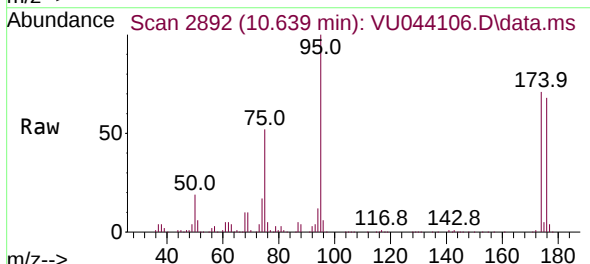
Instrument :
MSVOA_U
ClientSampled :

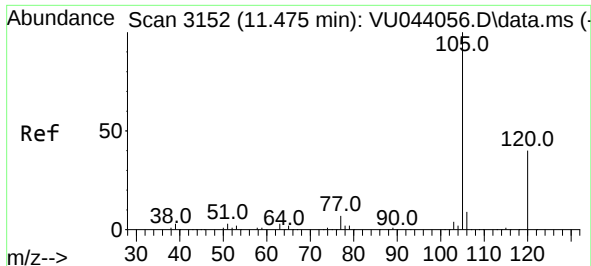
Tgt Ion: 75 Resp: 113720
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.252 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion: 75 Resp: 113720
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

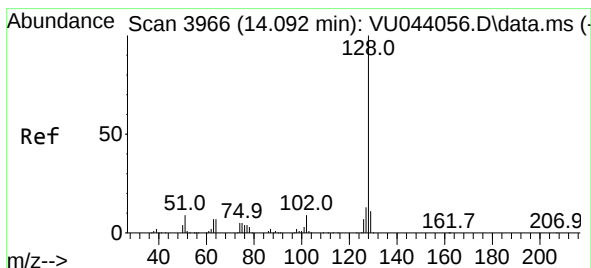
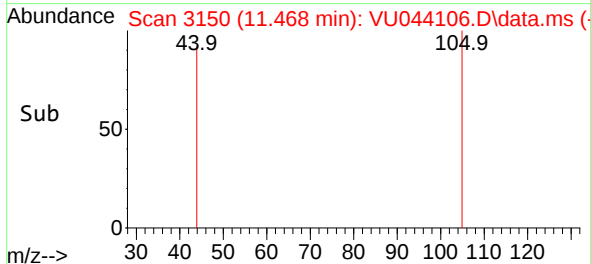
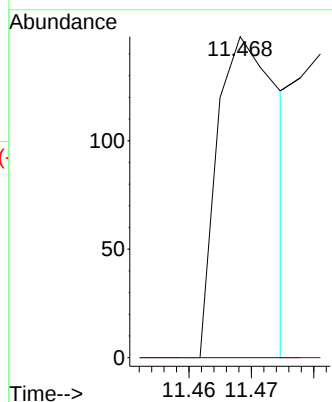
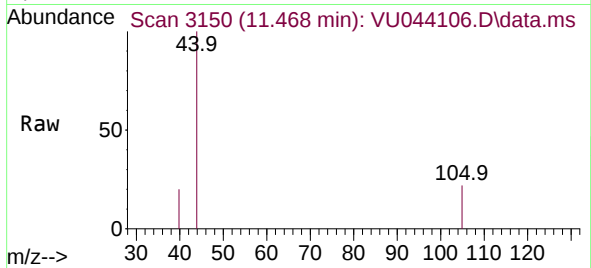




#84
1,2,4-Trimethylbenzene
Concen: 0.956 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.007 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 101
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.865 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044106.D
Acq: 08 Jun 2021 11:31

Tgt Ion:128 Resp: 299
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

