

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044108.D
 Acq On : 08 Jun 2021 12:18
 Operator : SY/MD
 Sample : M2612-31
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:12:35 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)

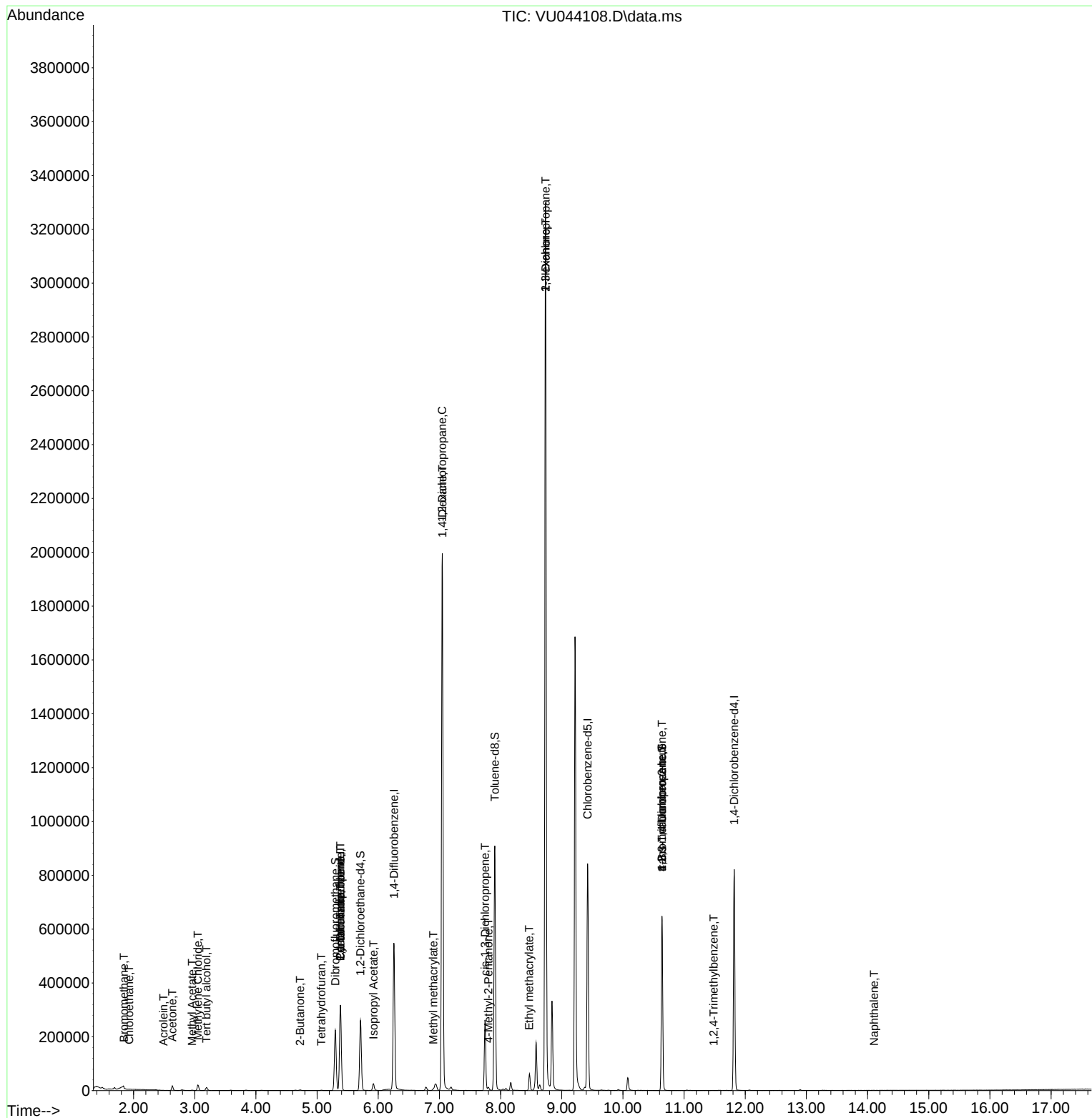
Internal Standards						
1) Pentafluorobenzene	5.382	168	206262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	413897	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	444637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	203593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	188054	52.351	ug/l	0.00
Spiked Amount	50.000		Recovery	= 104.700%		
35) Dibromofluoromethane	5.298	113	145660	49.315	ug/l	0.00
Spiked Amount	50.000		Recovery	= 98.640%		
50) Toluene-d8	7.906	98	579940	50.904	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.800%		
62) 4-Bromofluorobenzene	10.639	95	218646	48.473	ug/l	0.00
Spiked Amount	50.000		Recovery	= 96.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	740	Below Cal		96
5) Bromomethane	1.842	94	367	0.232	ug/l	81
6) Chloroethane	1.925	64	569	0.244	ug/l #	43
11) Tert butyl alcohol	3.192	59	7320	8.219	ug/l #	72
13) Acrolein	2.488	56	282	0.403	ug/l #	44
16) Acetone	2.633	43	19515	9.413	ug/l	97
18) Methyl Acetate	2.954	43	2348	0.514	ug/l #	83
20) Methylene Chloride	3.051	84	9932	1.548	ug/l	94
25) 2-Butanone	4.722	43	3495	1.182	ug/l	90
29) Tetrahydrofuran	5.070	42	979	0.596	ug/l #	78
31) Cyclohexane	5.382	56	4722	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	18844	4.041	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22579	5.359	ug/l #	16
43) Isopropyl Acetate	5.922	43	26769	3.223	ug/l	99
45) 1,2-Dichloropropane	7.044	63	2699	0.704	ug/l #	42
48) Methyl methacrylate	6.902	41	9625	2.350	ug/l #	14
49) 1,4-Dioxane	7.050	88	253	2.512	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	8079	1.310	ug/l	87
54) cis-1,3-Dichloropropene	7.745	75	45702	8.015	ug/l #	65
56) Ethyl methacrylate	8.468	69	226	3.420	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	33275	5.299	ug/l #	43
59) 2-Hexanone	8.735	43	435767	90.903	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	112250	19.709	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	112250	57.550	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.484	105	178	0.962	ug/l #	32
95) Naphthalene	14.108	128	362	2.870	ug/l #	69

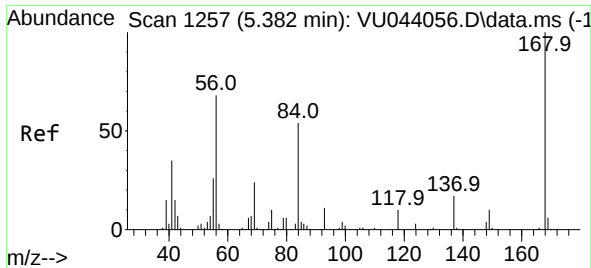
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

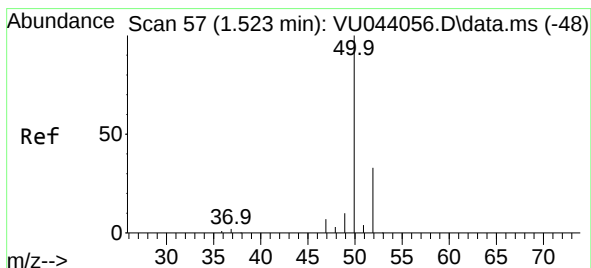
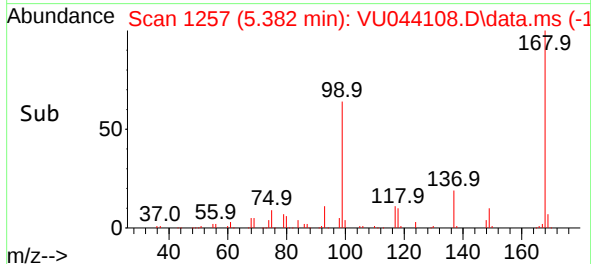
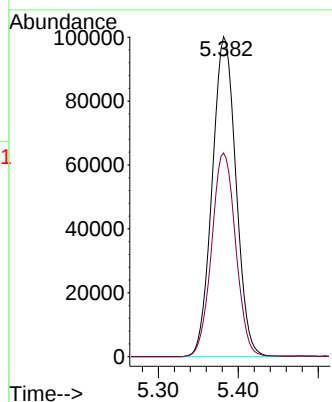
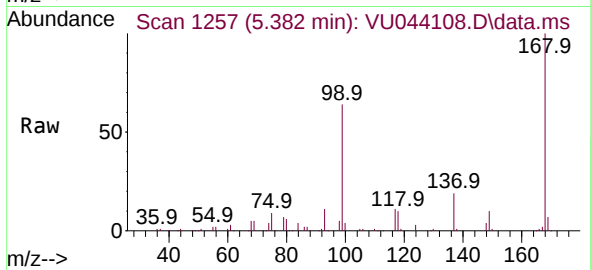




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

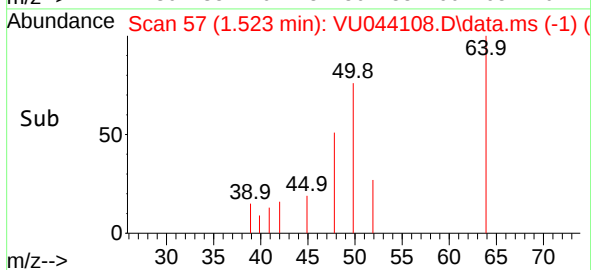
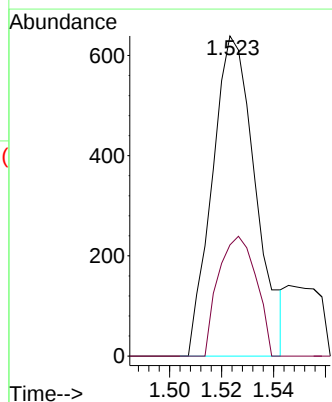
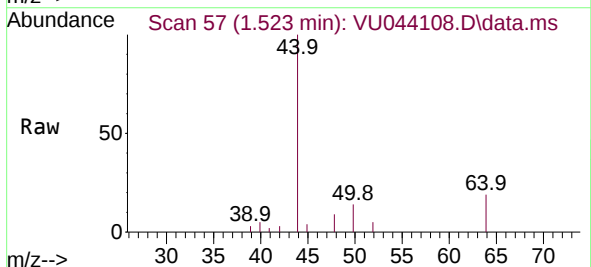
Instrument :
MSVOA_U
ClientSampled :

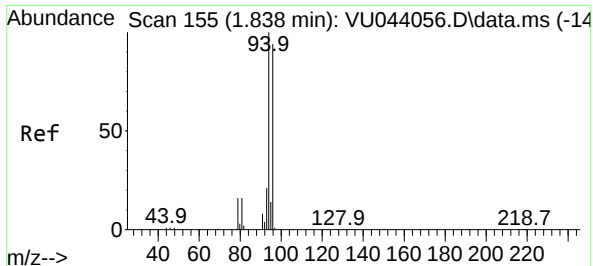
Tgt Ion:168 Resp: 206262
Ion Ratio Lower Upper
168 100
99 63.7 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 34.7 26.2 39.2

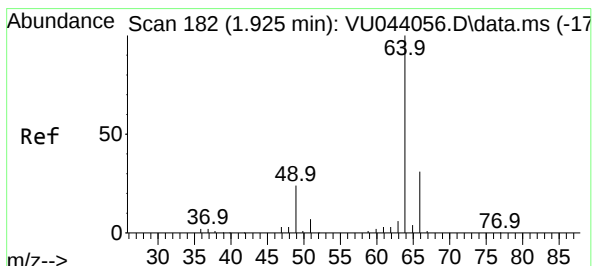
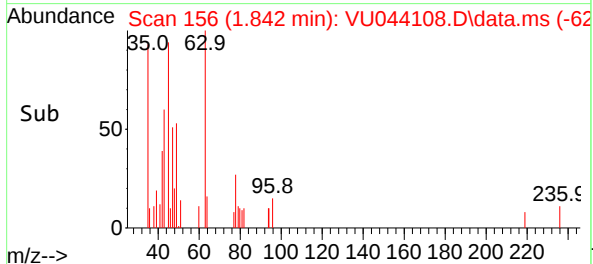
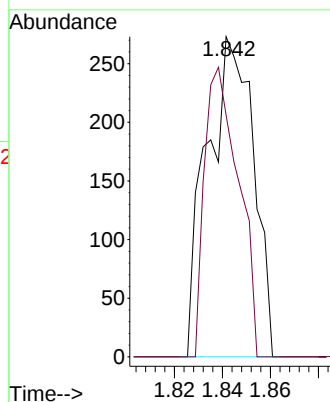
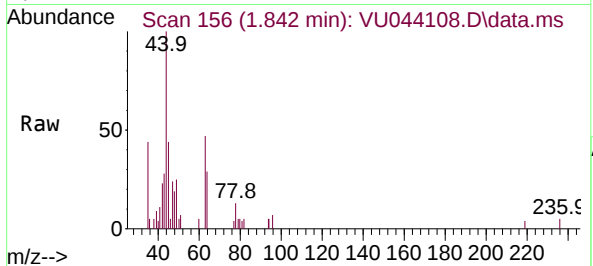




#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

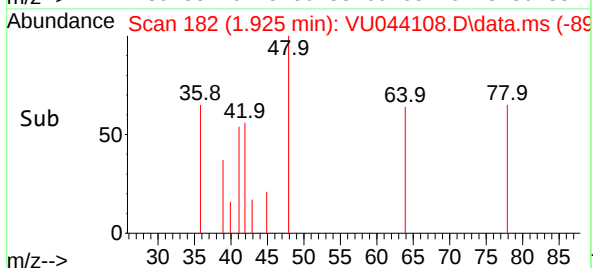
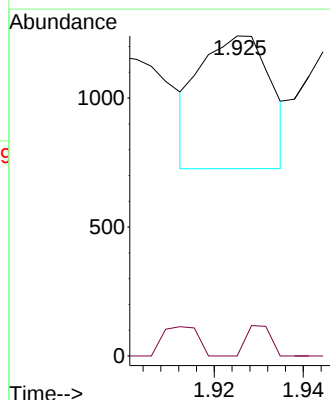
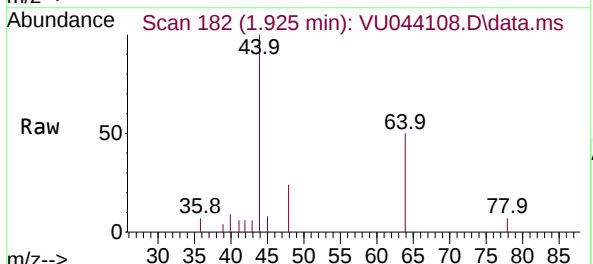
Instrument :
MSVOA_U
ClientSampled :

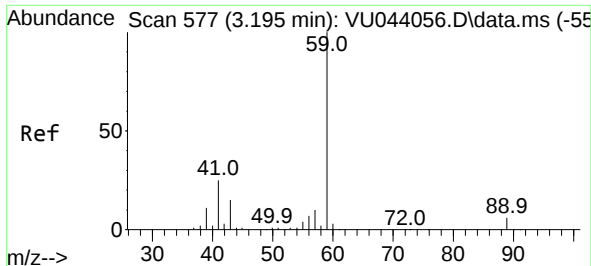
Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 75.5 74.8 112.2



#6
Chloroethane
Concen: 0.244 ug/l
RT: 1.925 min Scan# 182
Delta R.T. 0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 64 Resp: 569
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

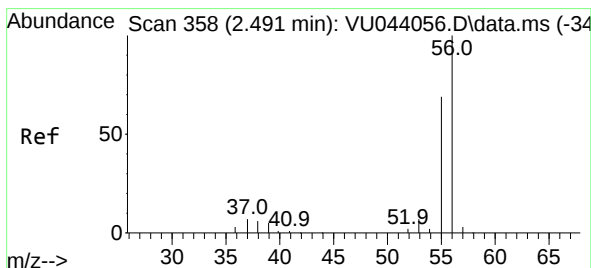
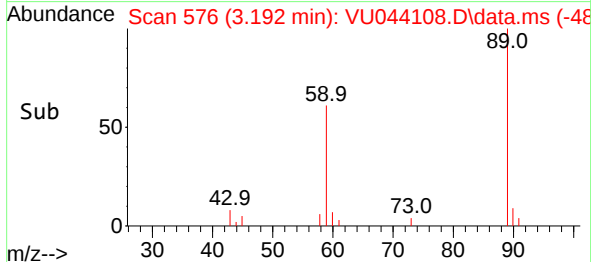
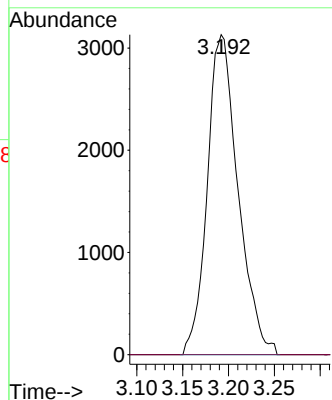
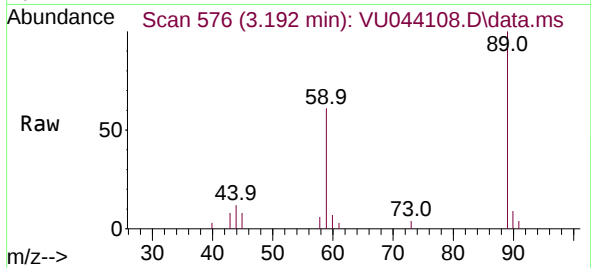




#11
Tert butyl alcohol
Concen: 8.219 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

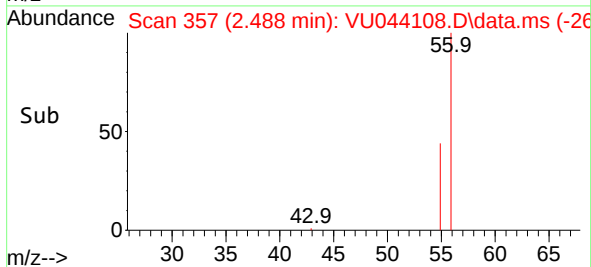
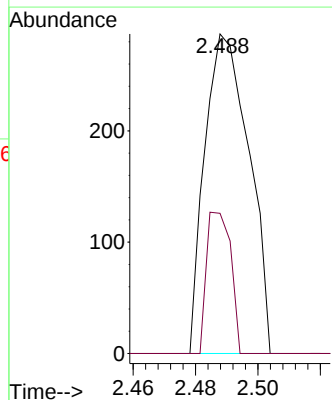
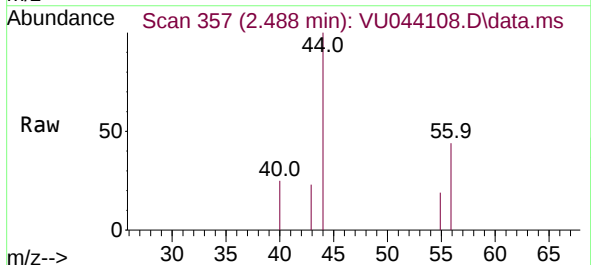
Instrument :
MSVOA_U
ClientSampled :

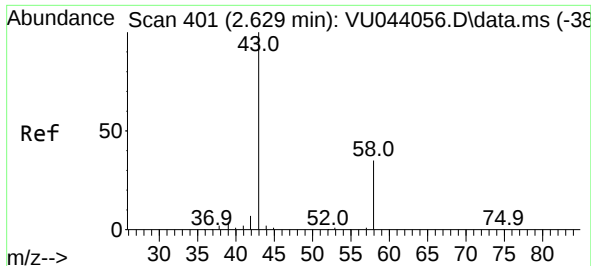
Tgt Ion: 59 Resp: 7320
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.403 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 24.1 56.1 84.1#

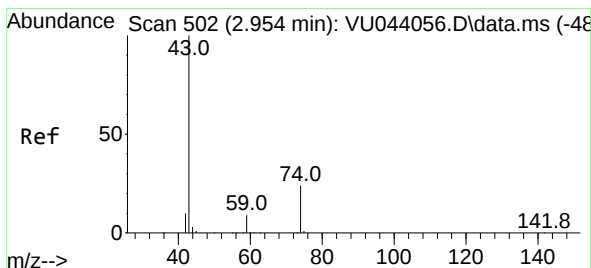
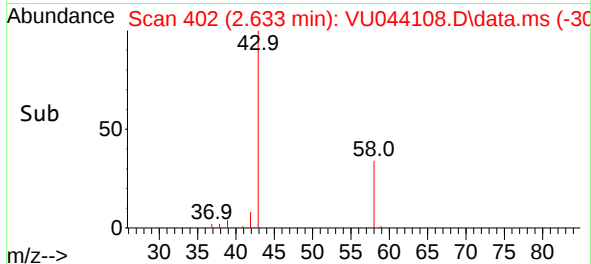
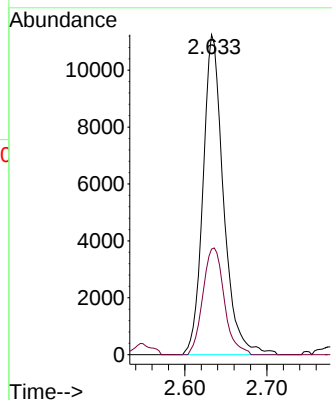
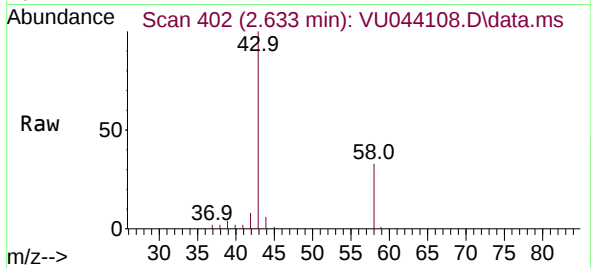




#16
Acetone
Concen: 9.413 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

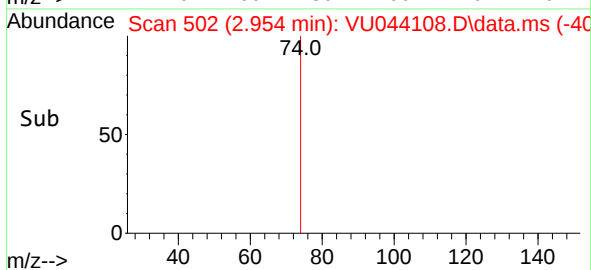
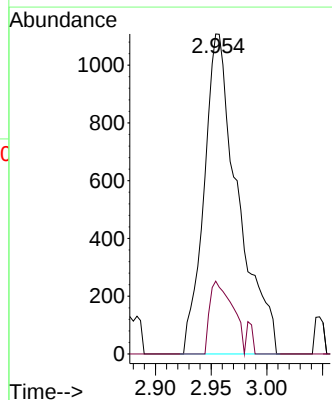
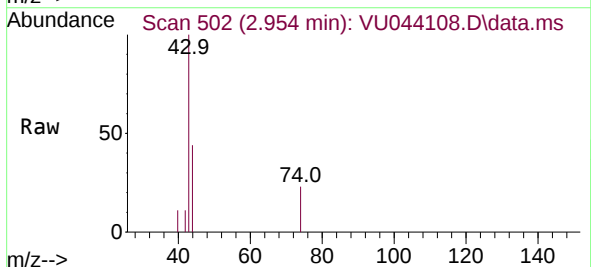
Instrument :
MSVOA_U
ClientSampled :

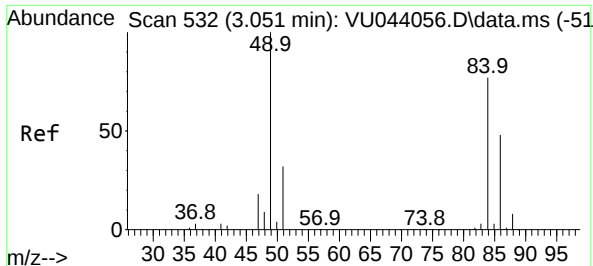
Tgt Ion: 43 Resp: 19515
Ion Ratio Lower Upper
43 100
58 33.0 27.7 41.5



#18
Methyl Acetate
Concen: 0.514 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

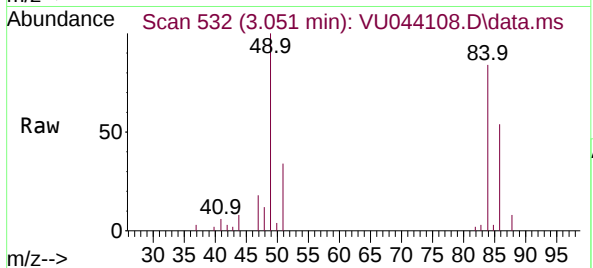
Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
74 15.2 18.7 28.1#



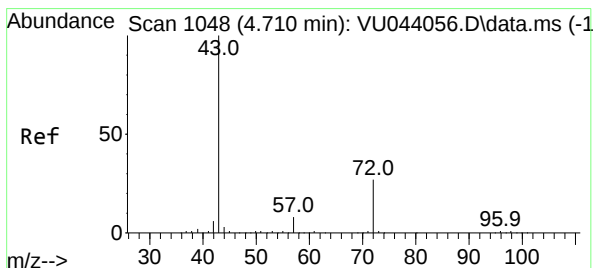
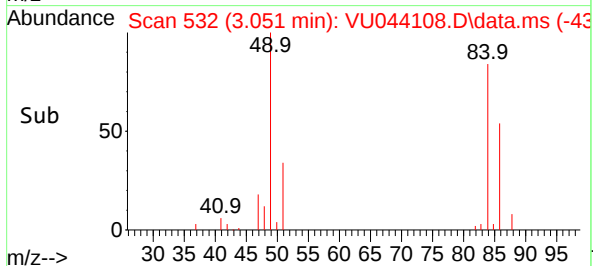
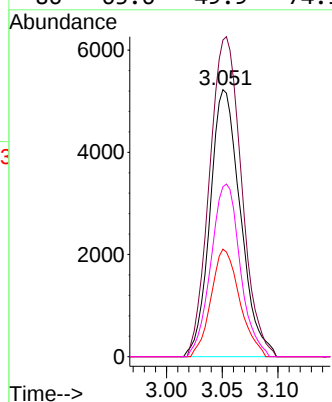


#20
Methylene Chloride
Concen: 1.548 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Instrument :
MSVOA_U
ClientSampled :

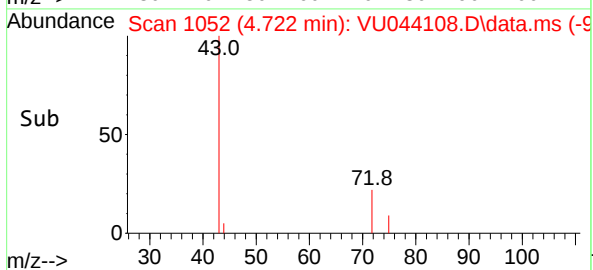
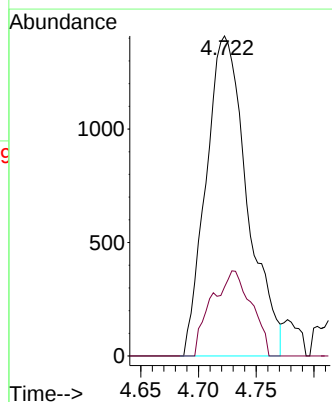
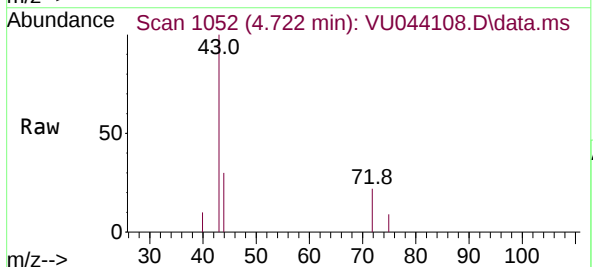


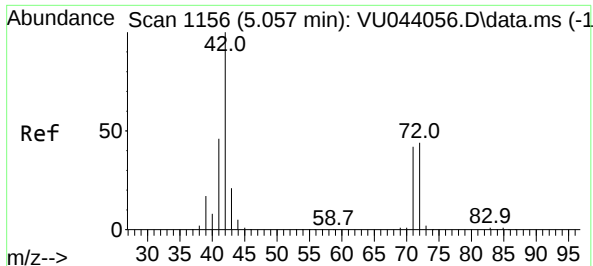
Tgt Ion:	84	Resp:	9932
Ion	Ratio	Lower	Upper
84	100		
49	118.6	103.6	155.4
51	40.3	32.8	49.2
86	63.6	49.9	74.9



#25
2-Butanone
Concen: 1.182 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.012 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion:	43	Resp:	3495
Ion	Ratio	Lower	Upper
43	100		
72	21.6	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.596 ug/l

RT: 5.070 min Scan# 1160

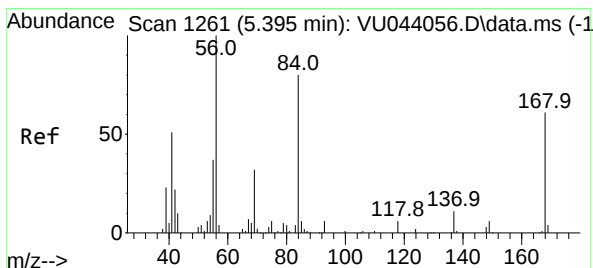
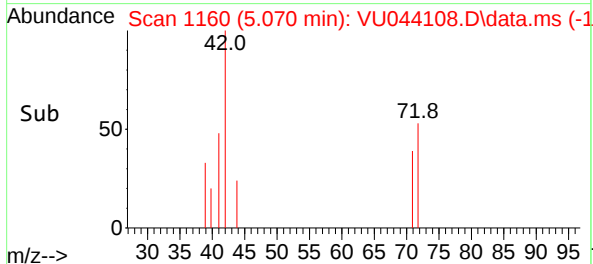
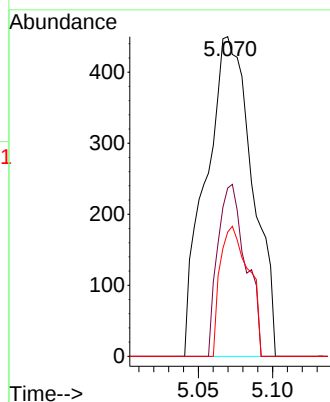
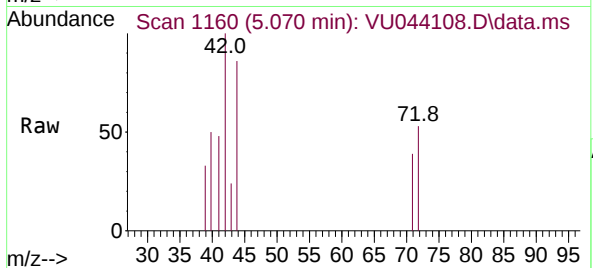
Delta R.T. 0.013 min

Lab File: VU044108.D

Acq: 08 Jun 2021 12:18

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	979
Ion	Ratio	Lower	Upper
42	100		
72	32.5	35.6	53.4#
71	25.1	33.3	49.9#



#31

Cyclohexane

Concen: 0.952 ug/l

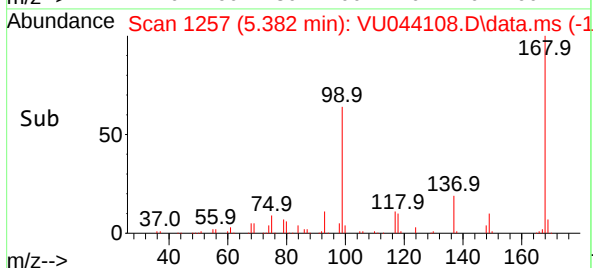
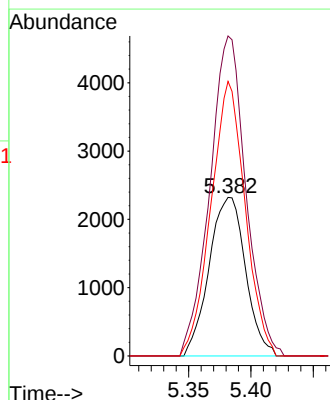
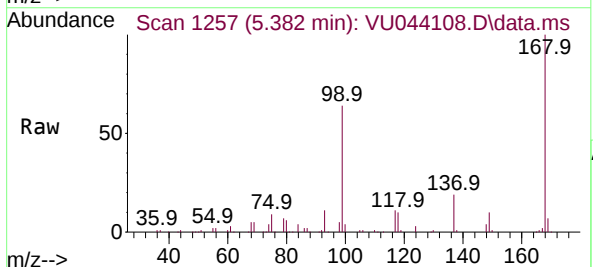
RT: 5.382 min Scan# 1257

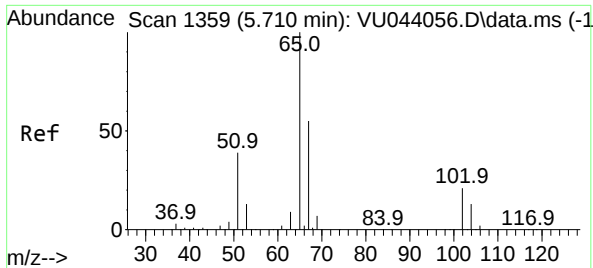
Delta R.T. -0.013 min

Lab File: VU044108.D

Acq: 08 Jun 2021 12:18

Tgt Ion:	56	Resp:	4722
Ion	Ratio	Lower	Upper
56	100		
69	201.9	25.4	38.2#
84	173.2	64.2	96.2#



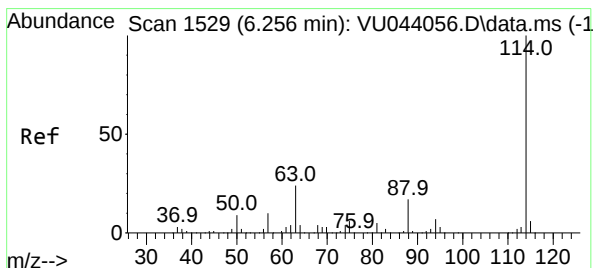
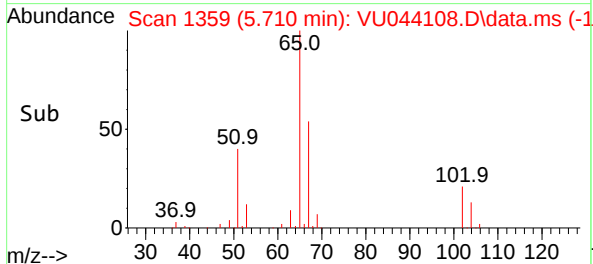
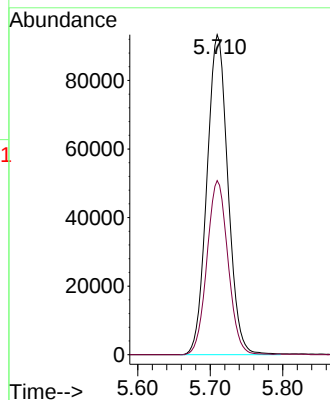
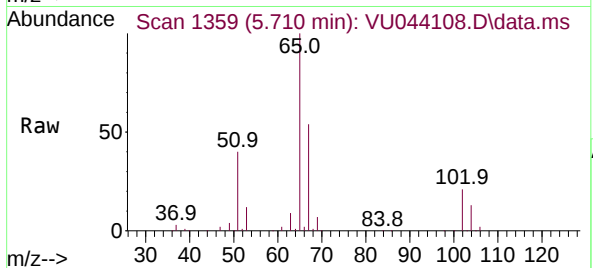


#33

1,2-Dichloroethane-d4
Concen: 52.351 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Instrument :
MSVOA_U
ClientSampled :

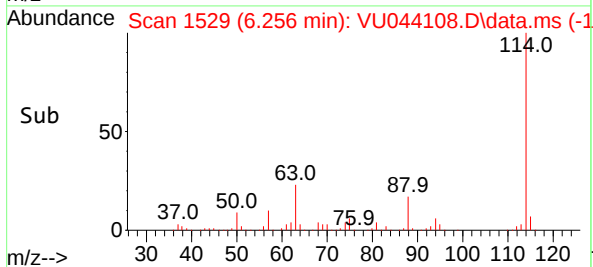
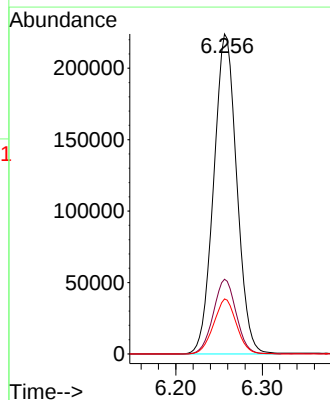
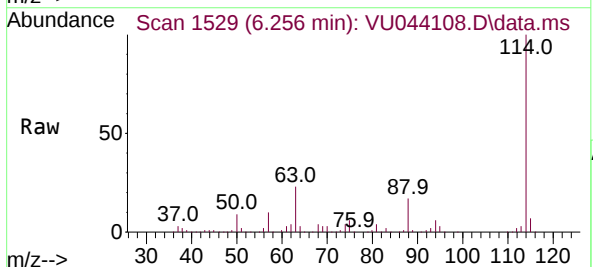
Tgt Ion: 65 Resp: 188054
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.2

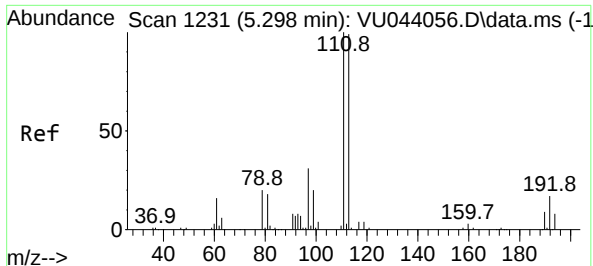


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 114 Resp: 413897
Ion Ratio Lower Upper
114 100
63 23.4 0.0 48.4
88 17.2 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.315 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044108.D

Acq: 08 Jun 2021 12:18

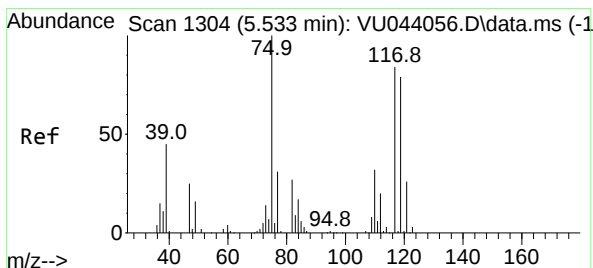
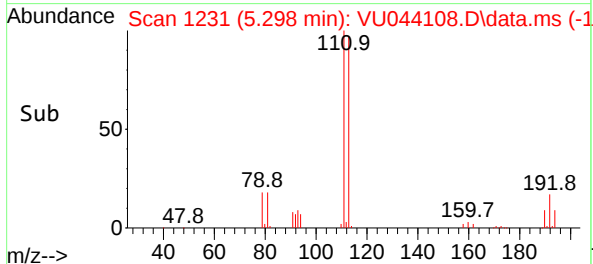
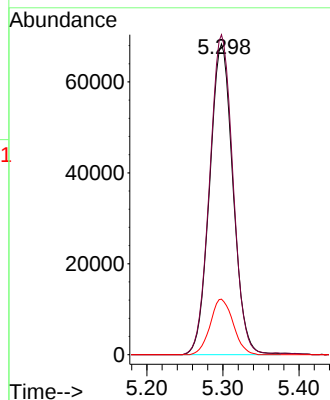
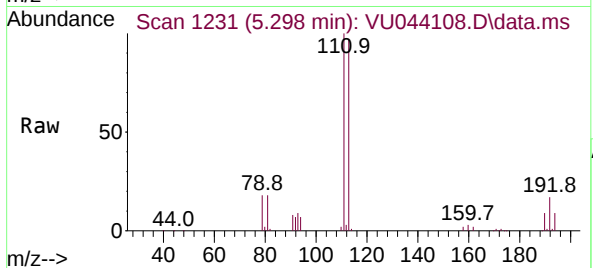
Tgt Ion:113 Resp: 145660

Ion Ratio Lower Upper

113 100

111 103.1 82.1 123.1

192 17.6 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.041 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044108.D

Acq: 08 Jun 2021 12:18

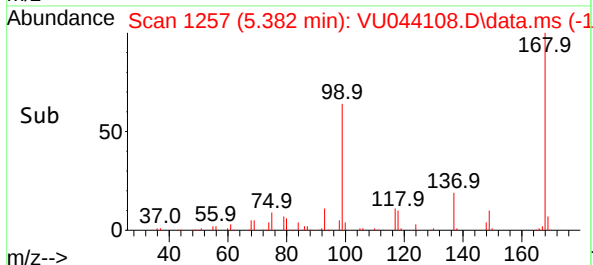
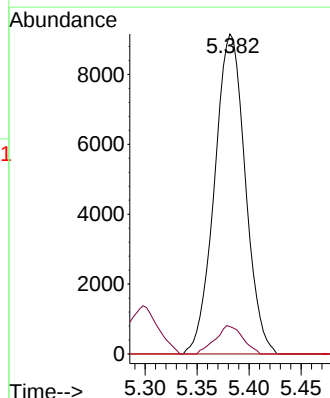
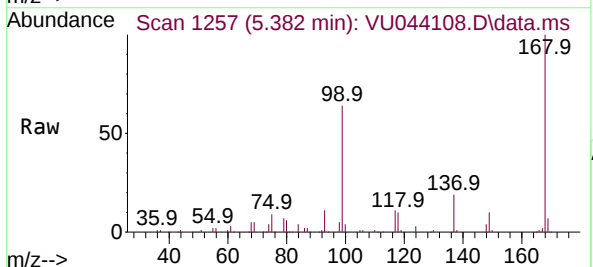
Tgt Ion: 75 Resp: 18844

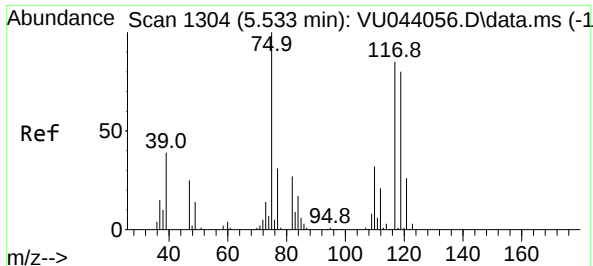
Ion Ratio Lower Upper

75 100

110 7.9 15.9 47.7#

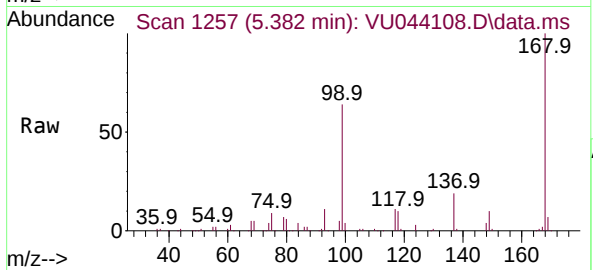
77 0.0 25.0 37.4#



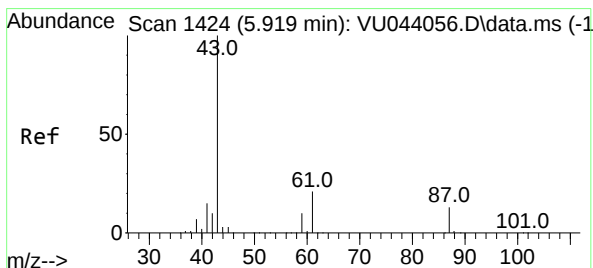
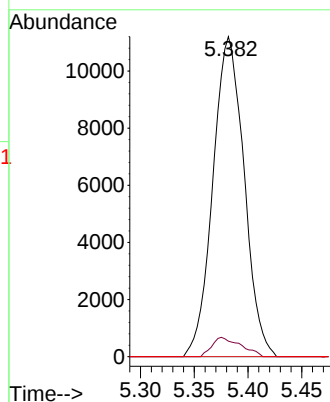
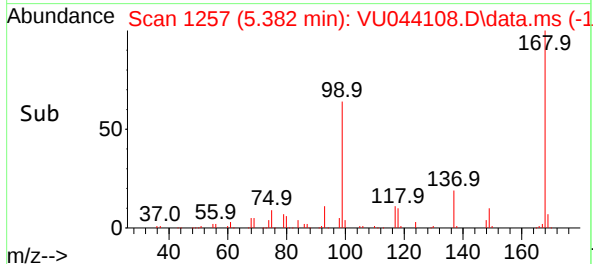


#38
Carbon Tetrachloride
Concen: 5.359 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

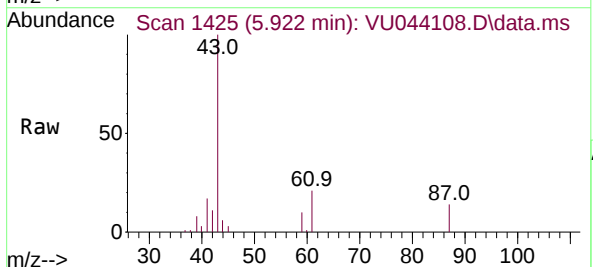
Instrument :
MSVOA_U
ClientSampled :



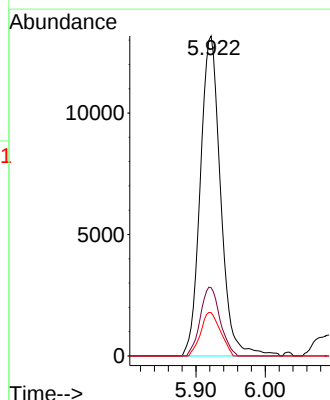
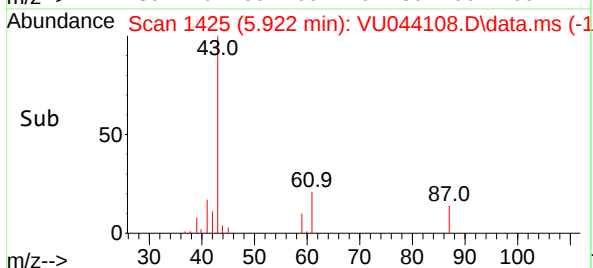
Tgt Ion:117 Resp: 22579
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 24.5 36.7#

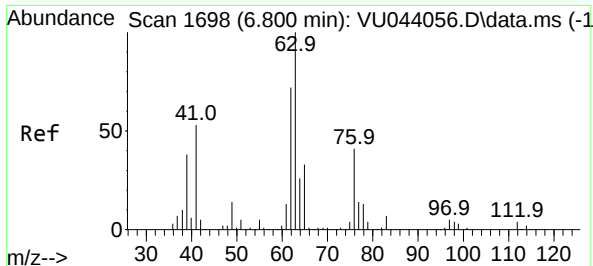


#43
Isopropyl Acetate
Concen: 3.223 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18



Tgt Ion: 43 Resp: 26769
Ion Ratio Lower Upper
43 100
61 20.9 16.8 25.2
87 13.1 10.2 15.2



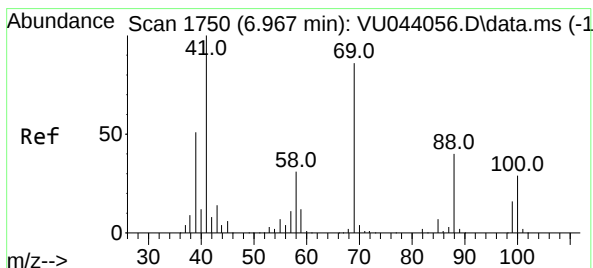
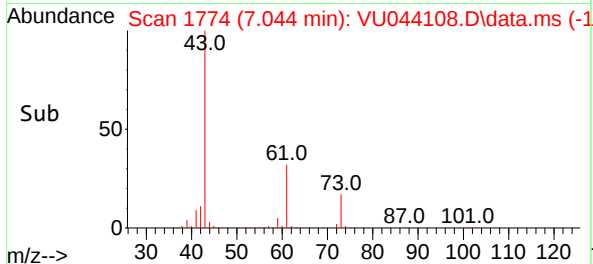
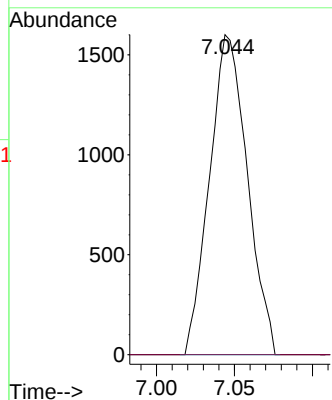
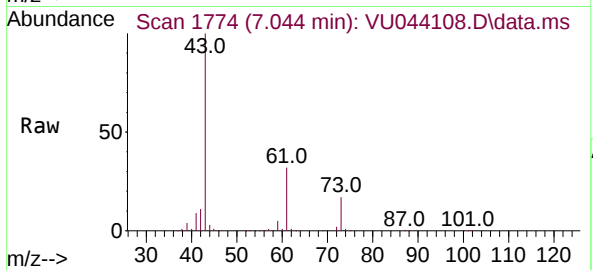


#45

1,2-Dichloropropane
Concen: 0.704 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Instrument :
MSVOA_U
ClientSampled :

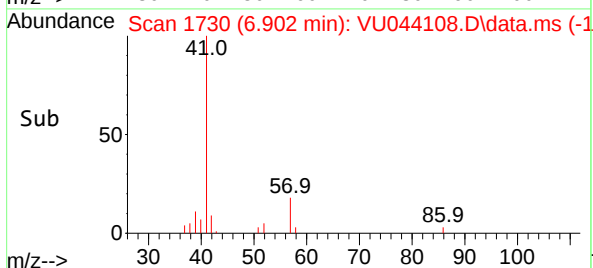
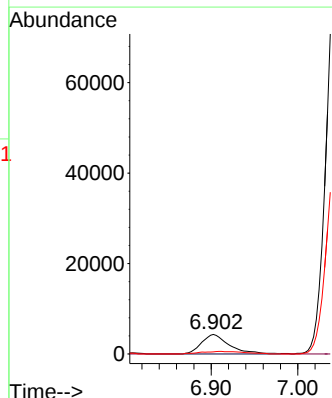
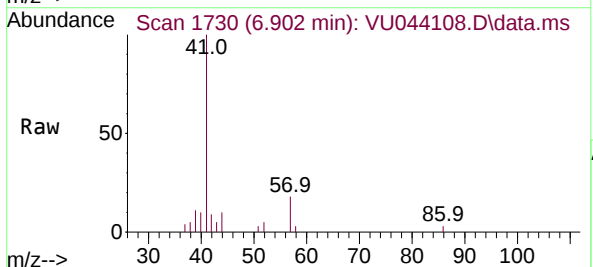
Tgt Ion: 63 Resp: 2699
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

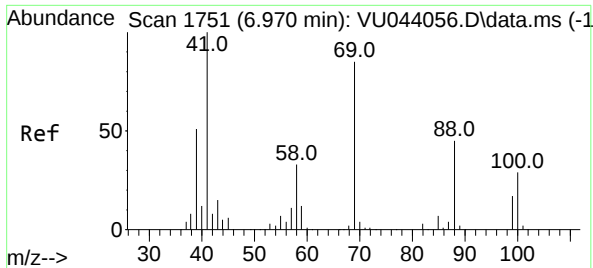


#48

Methyl methacrylate
Concen: 2.350 ug/l
RT: 6.902 min Scan# 1730
Delta R.T. -0.065 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 41 Resp: 9625
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: 2.512 ug/l

RT: 7.050 min Scan# 1776

Delta R.T. 0.080 min

Lab File: VU044108.D

Acq: 08 Jun 2021 12:18

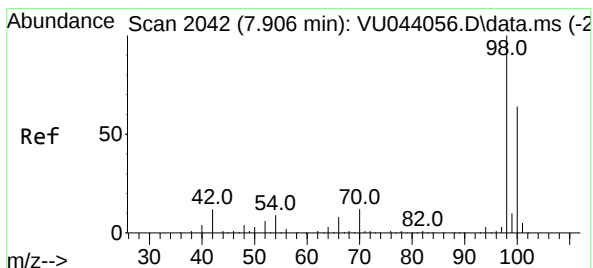
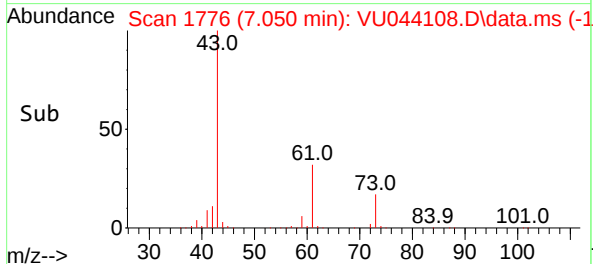
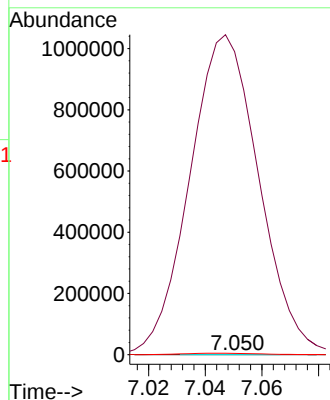
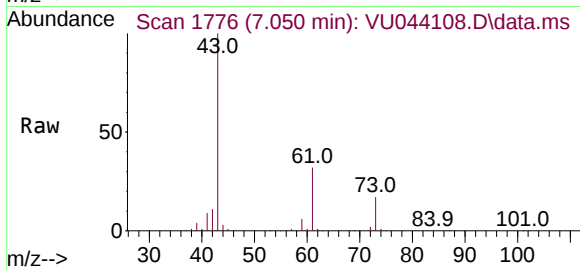
Tgt Ion: 88 Resp: 253

Ion Ratio Lower Upper

88 100

43 710268.4 25.0 37.4#

58 3719.0 60.0 90.0#



#50

Toluene-d8

Concen: 50.904 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044108.D

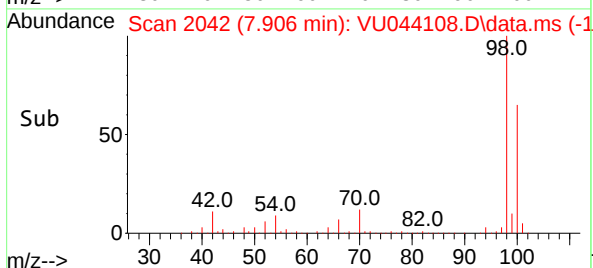
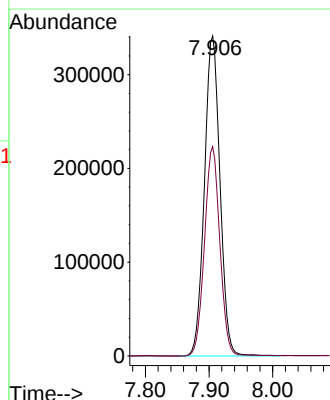
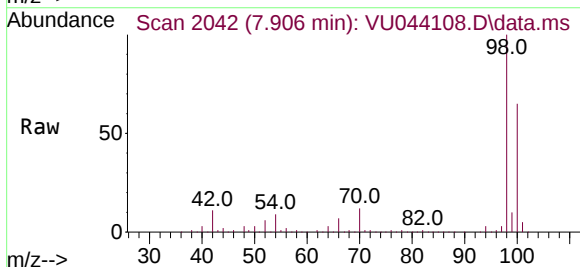
Acq: 08 Jun 2021 12:18

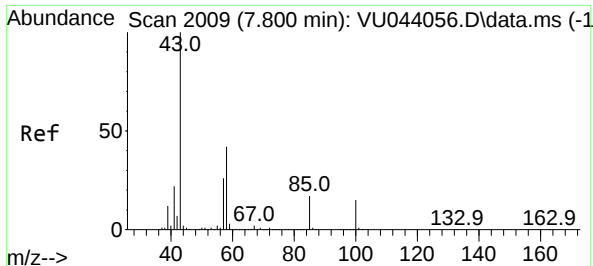
Tgt Ion: 98 Resp: 579940

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

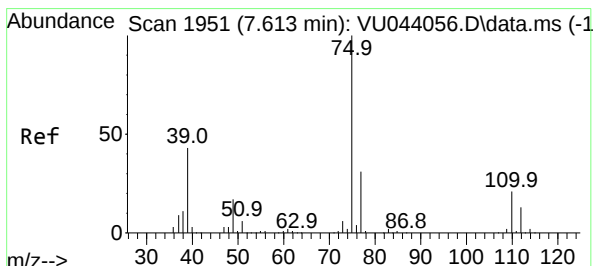
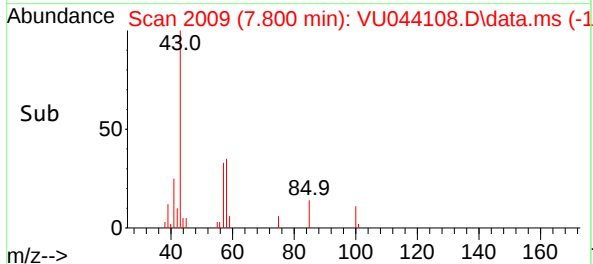
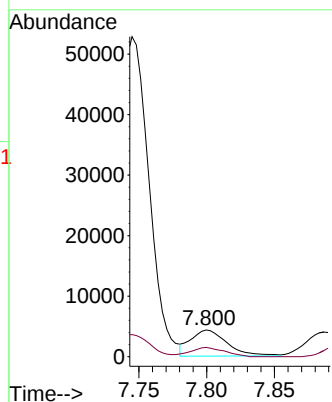
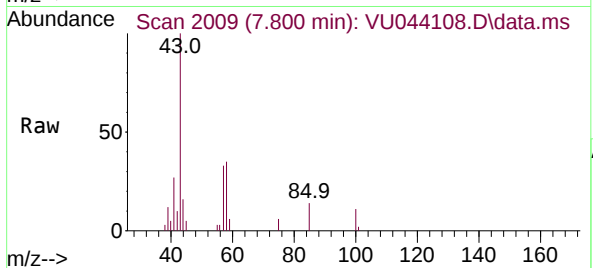




#51
4-Methyl-2-Pentanone
Concen: 1.310 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

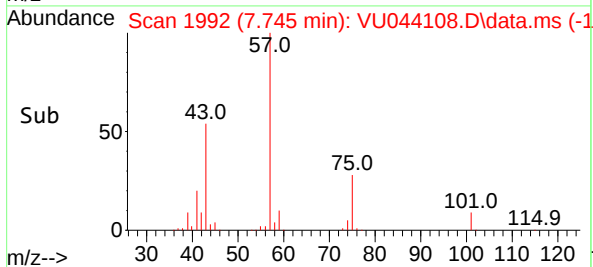
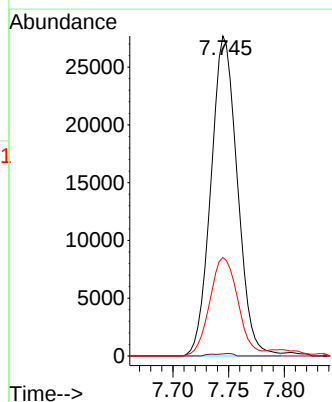
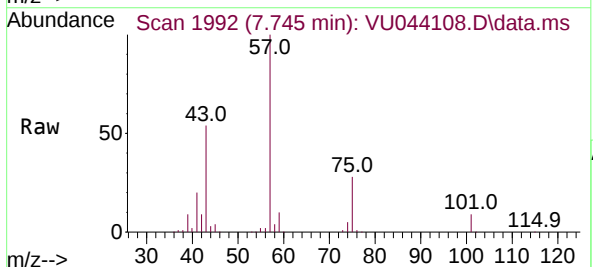
Instrument :
MSVOA_U
ClientSampled :

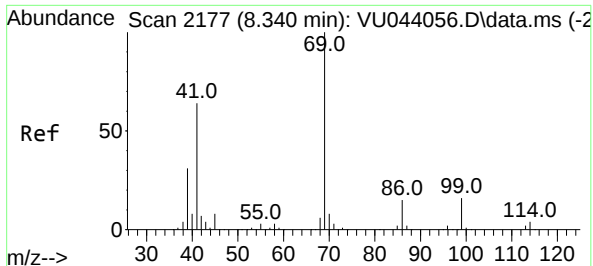
Tgt Ion: 43 Resp: 8079
Ion Ratio Lower Upper
43 100
58 33.7 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 8.015 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 75 Resp: 45702
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 30.7 34.7 52.1#

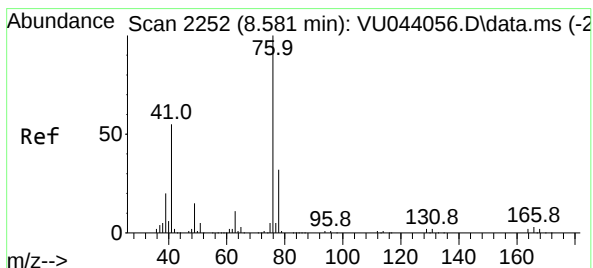
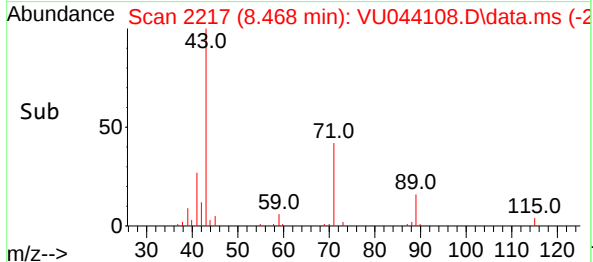
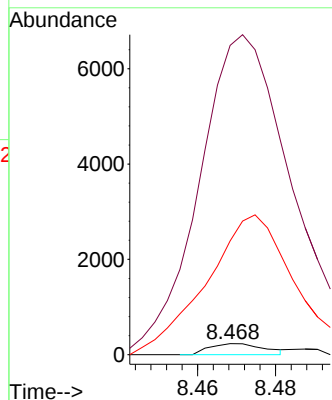
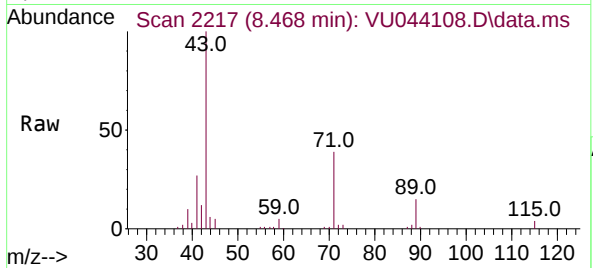




#56
Ethyl methacrylate
Concen: 3.420 ug/l
RT: 8.468 min Scan# 2217
Delta R.T. 0.128 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

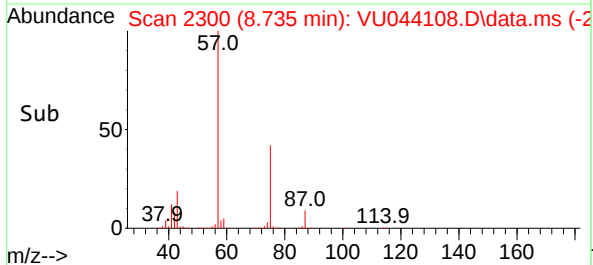
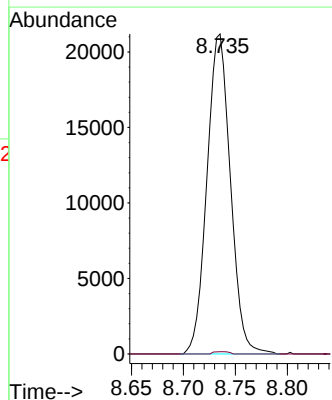
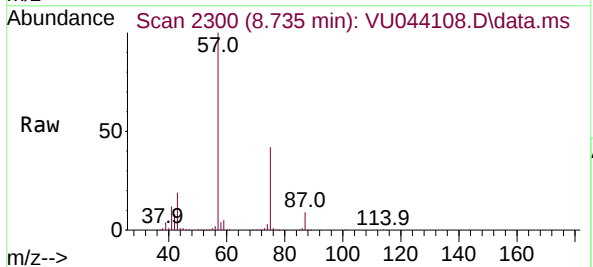
Instrument :
MSVOA_U
ClientSampled :

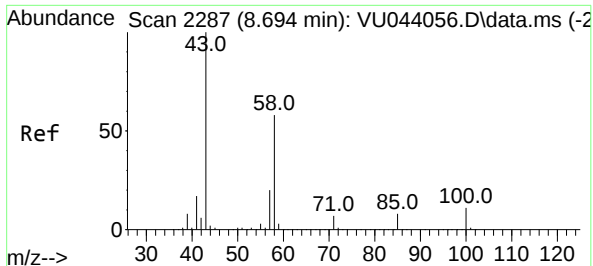
Tgt Ion: 69 Resp: 226
Ion Ratio Lower Upper
69 100
41 5042.0 51.4 77.0#
39 2111.5 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 5.299 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 76 Resp: 33275
Ion Ratio Lower Upper
76 100
78 0.5 25.9 38.9#

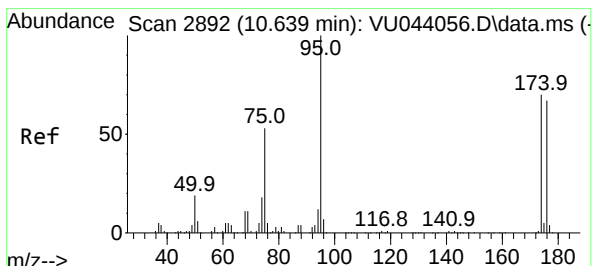
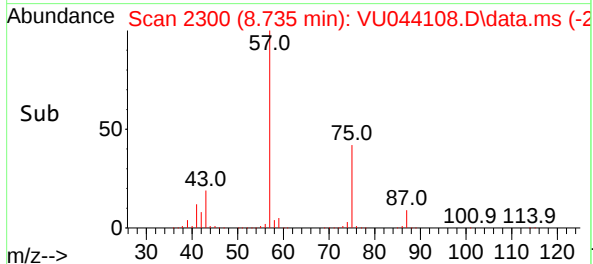
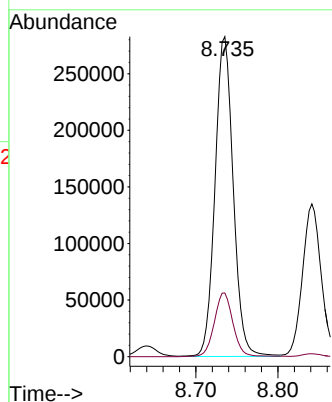
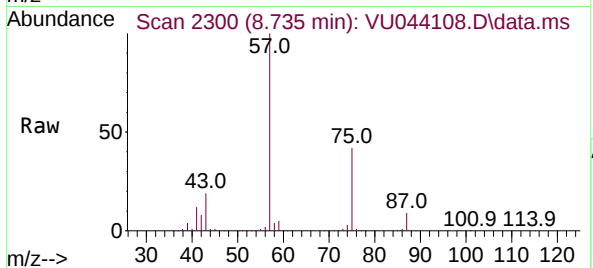




#59
2-Hexanone
Concen: 90.903 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

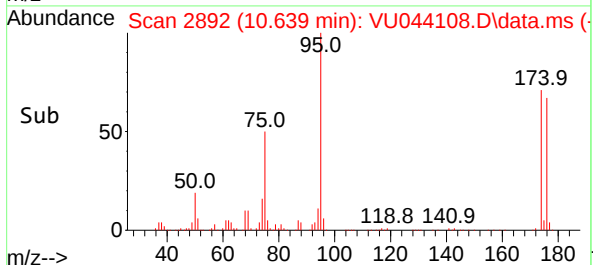
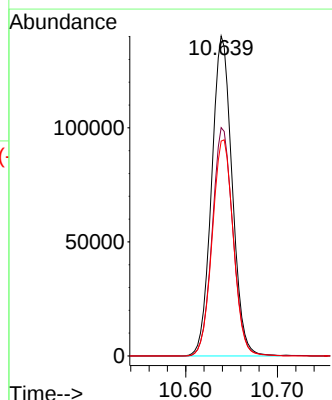
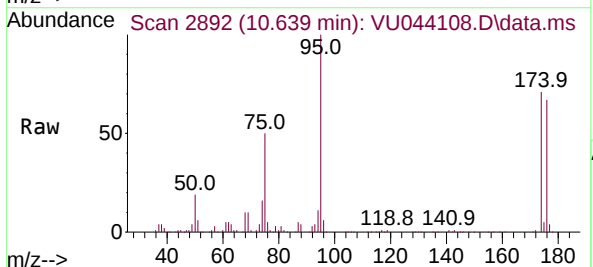
Instrument :
MSVOA_U
ClientSampled :

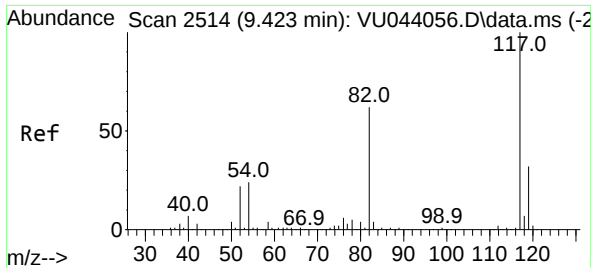
Tgt Ion: 43 Resp: 435767
Ion Ratio Lower Upper
43 100
58 20.6 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 48.473 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 95 Resp: 218646
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.0
176 69.3 0.0 135.2

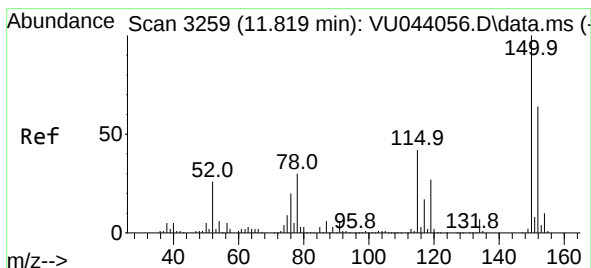
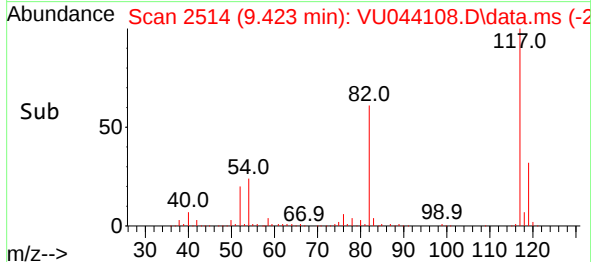
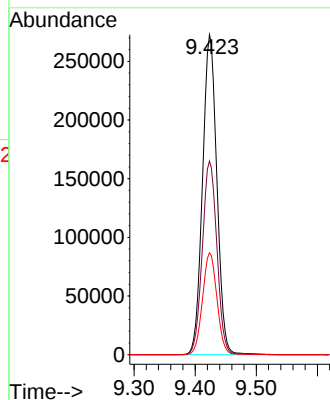
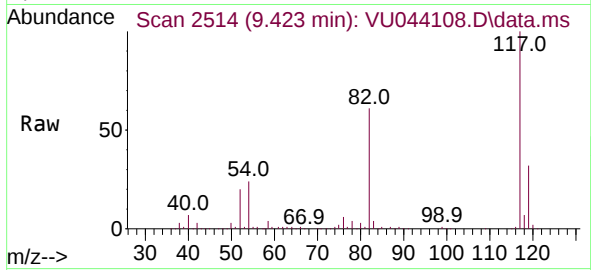




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

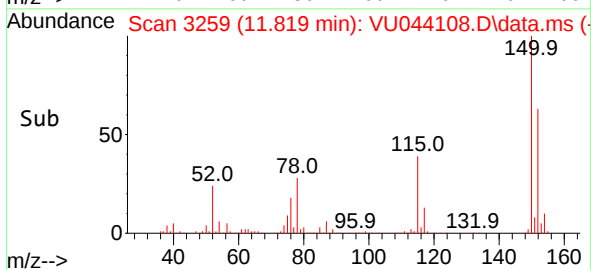
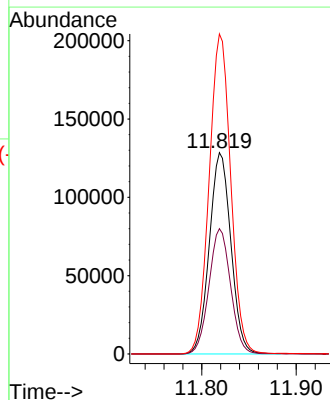
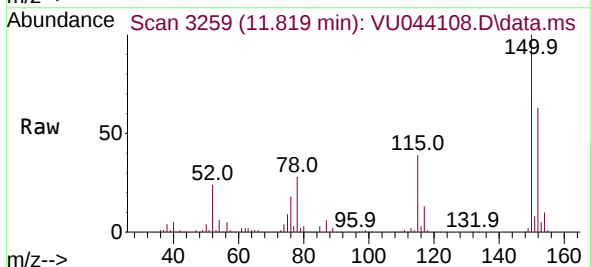
Instrument :
MSVOA_U
ClientSampled :

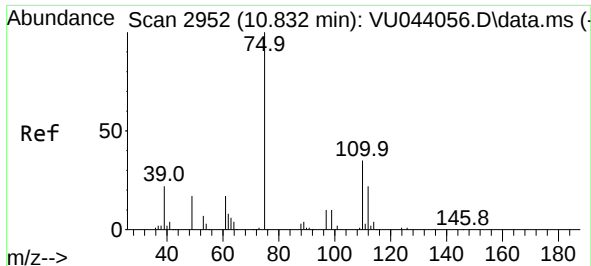
Tgt Ion:117 Resp: 444637
Ion Ratio Lower Upper
117 100
82 60.5 50.0 75.0
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion:152 Resp: 203593
Ion Ratio Lower Upper
152 100
115 62.2 44.6 134.0
150 158.8 0.0 347.8

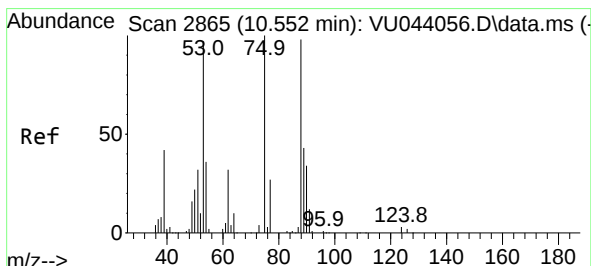
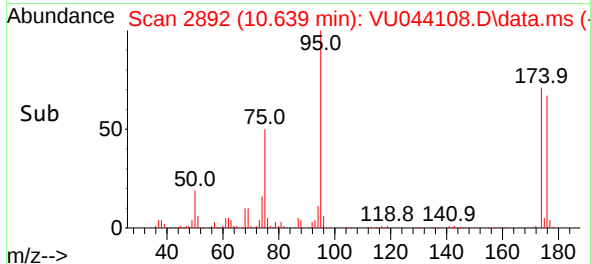
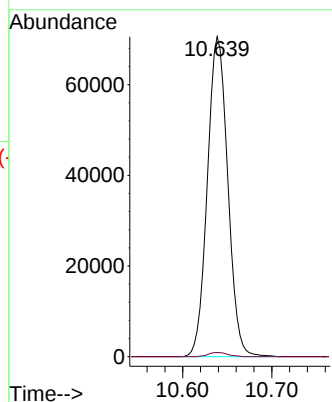
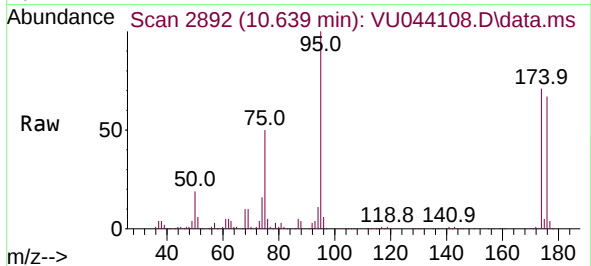




#76
1,2,3-Trichloropropane
Concen: 19.709 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

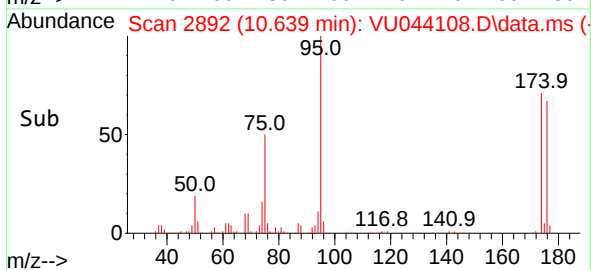
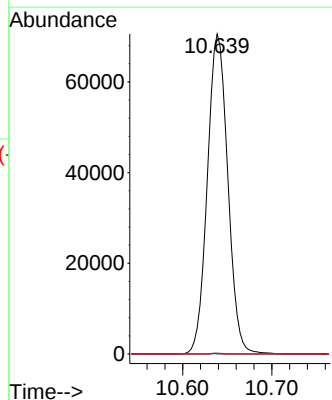
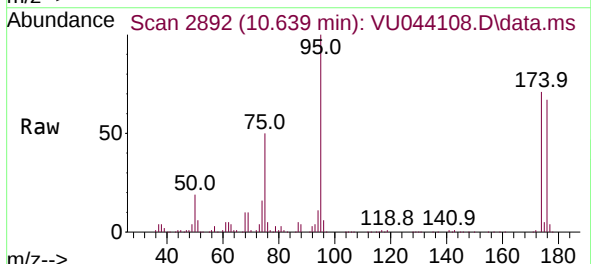
Instrument :
MSVOA_U
ClientSampled :

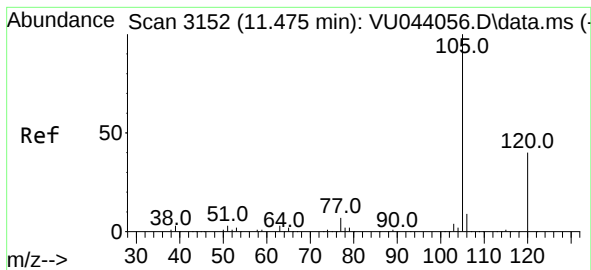
Tgt Ion: 75 Resp: 112250
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.550 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion: 75 Resp: 112250
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

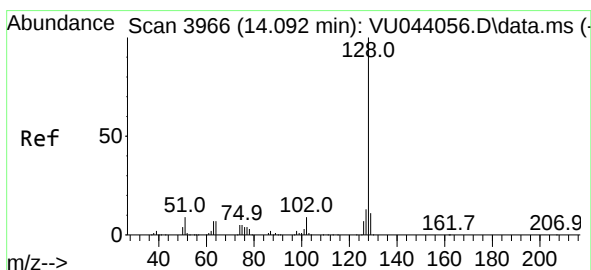
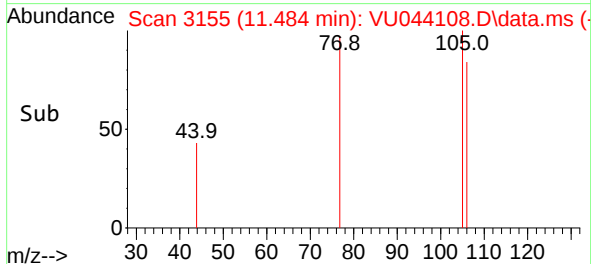
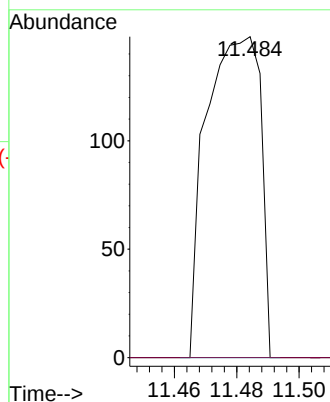
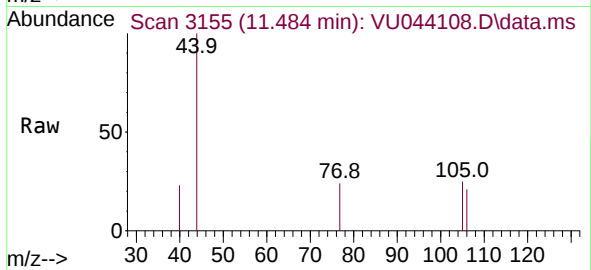




#84
1,2,4-Trimethylbenzene
Concen: 0.962 ug/l
RT: 11.484 min Scan# 3155
Delta R.T. 0.009 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 178
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.870 ug/l
RT: 14.108 min Scan# 3971
Delta R.T. 0.016 min
Lab File: VU044108.D
Acq: 08 Jun 2021 12:18

Tgt Ion:128 Resp: 362
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

