

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044107.D
 Acq On : 08 Jun 2021 11:54
 Operator : SY/MD
 Sample : M2612-30
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:12:21 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)

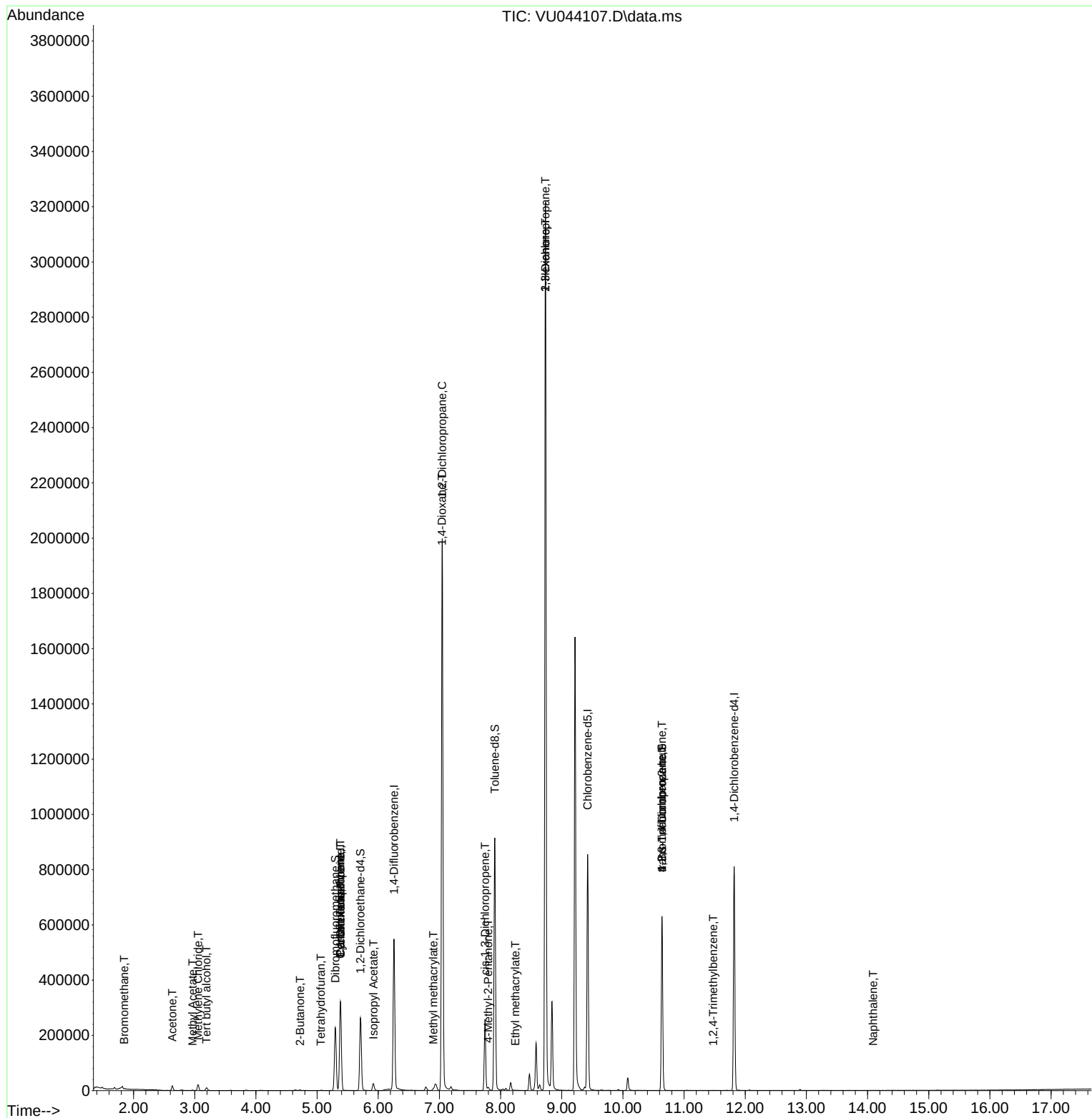
Internal Standards						
1) Pentafluorobenzene	5.382	168	208412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	418792	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	446127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	203751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	192052	52.912	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.820%	
35) Dibromofluoromethane	5.298	113	147109	49.224	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.440%	
50) Toluene-d8	7.906	98	589491	51.137	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.280%	
62) 4-Bromofluorobenzene	10.639	95	213128	46.698	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.400%	
Target Compounds						
						Qvalue
3) Chloromethane	1.527	50	912	Below Cal	#	82
5) Bromomethane	1.845	94	337	0.211	ug/l	92
11) Tert butyl alcohol	3.192	59	6608	7.343	ug/l #	72
16) Acetone	2.633	43	19348	9.236	ug/l	99
18) Methyl Acetate	2.964	43	2609	0.565	ug/l #	81
20) Methylene Chloride	3.054	84	9832	1.481	ug/l	97
25) 2-Butanone	4.723	43	3846	1.287	ug/l	92
29) Tetrahydrofuran	5.063	42	823	0.496	ug/l #	81
31) Cyclohexane	5.385	56	4985	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19253	4.081	ug/l #	50
38) Carbon Tetrachloride	5.382	117	23040	5.405	ug/l #	17
43) Isopropyl Acetate	5.922	43	26629	3.168	ug/l	98
45) 1,2-Dichloropropane	7.044	63	2389	0.616	ug/l #	42
48) Methyl methacrylate	6.899	41	8989	2.169	ug/l #	14
49) 1,4-Dioxane	7.041	88	151	1.482	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	7132	1.143	ug/l	97
54) cis-1,3-Dichloropropene	7.745	75	44603	7.730	ug/l #	67
56) Ethyl methacrylate	8.240	69	148	3.408	ug/l #	26
57) 1,3-Dichloropropane	8.732	76	31924	5.024	ug/l #	42
59) 2-Hexanone	8.732	43	423571	87.326	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	110985	19.472	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	110985	56.857	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	115	0.957	ug/l #	32
95) Naphthalene	14.092	128	125	2.854	ug/l #	69

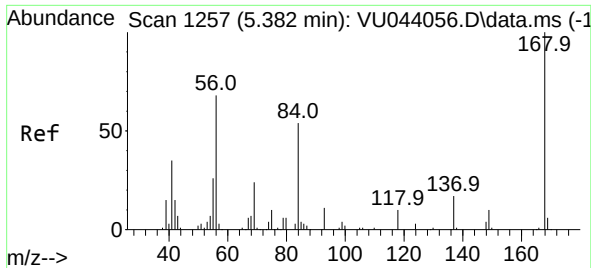
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

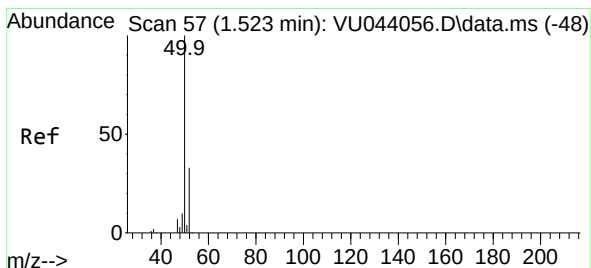
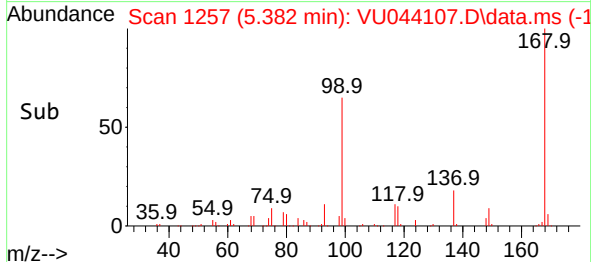
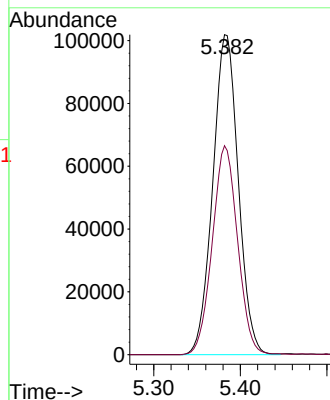
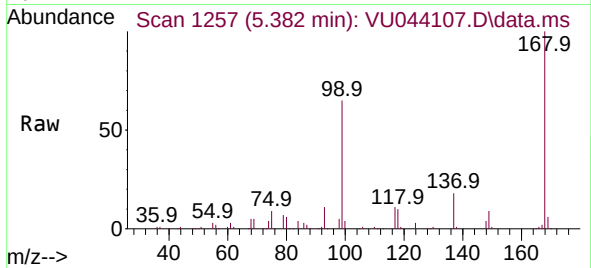




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

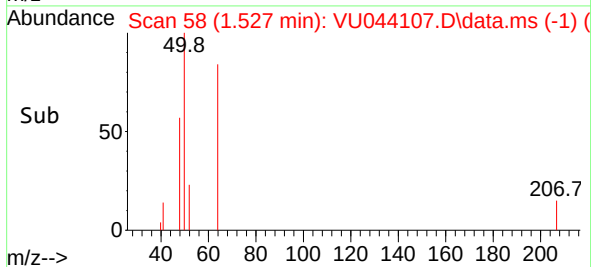
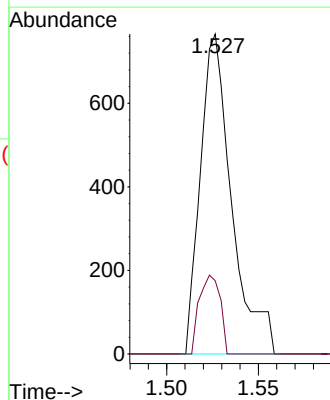
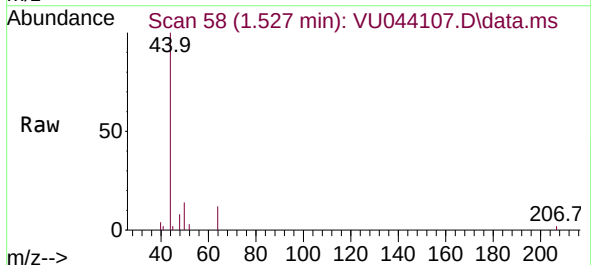
Instrument :
MSVOA_U
ClientSampleId :

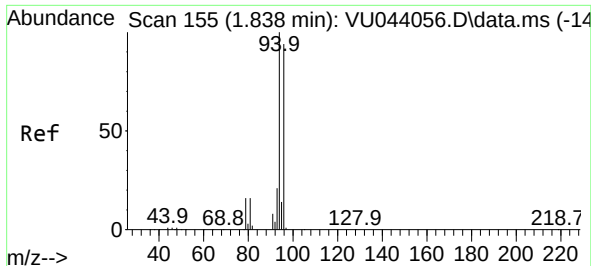
Tgt Ion:168 Resp: 208412
Ion Ratio Lower Upper
168 100
99 65.3 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 22.8 26.2 39.2#

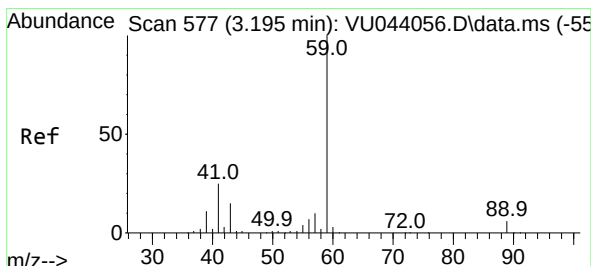
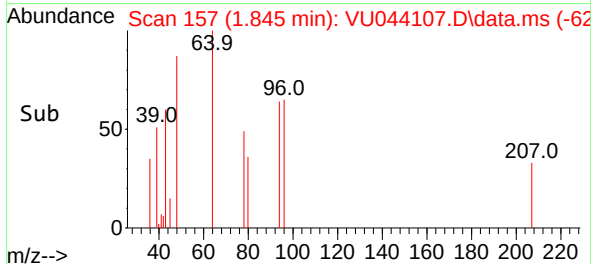
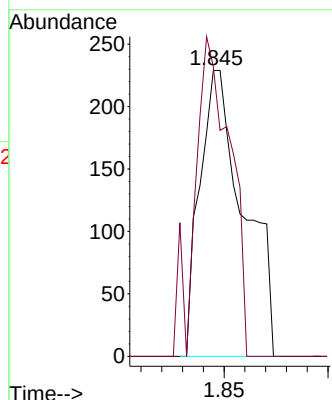
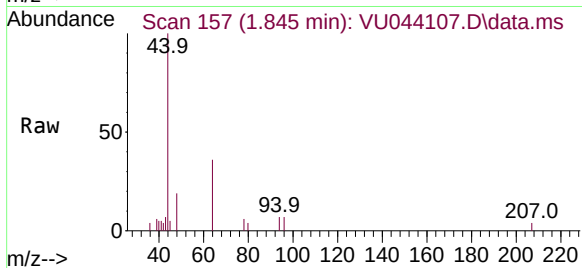




#5
Bromomethane
Concen: 0.211 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.007 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

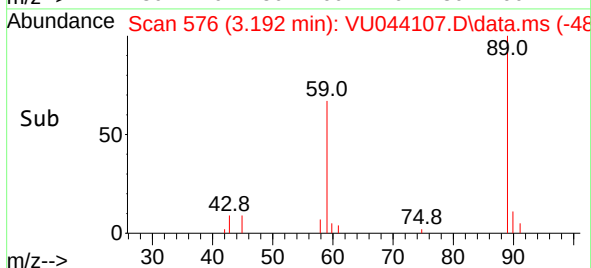
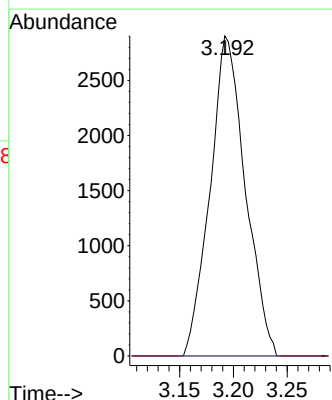
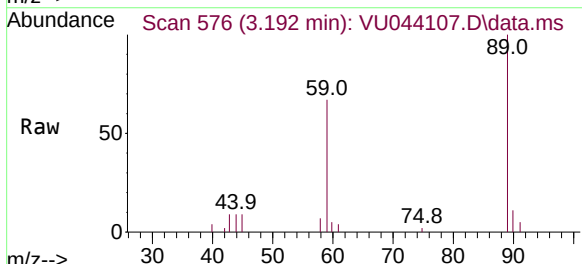
Instrument :
MSVOA_U
ClientSampled :

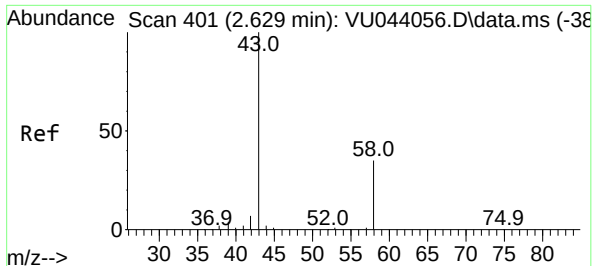
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 101.3 74.8 112.2



#11
Tert butyl alcohol
Concen: 7.343 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 59 Resp: 6608
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

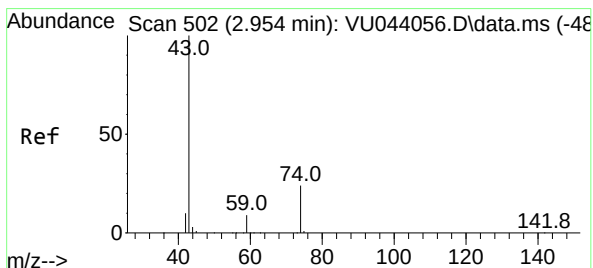
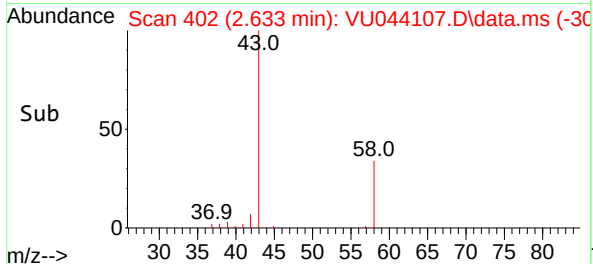
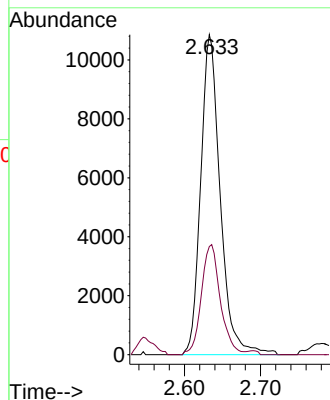
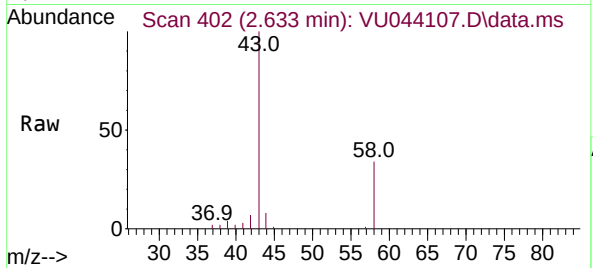




#16
Acetone
Concen: 9.236 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

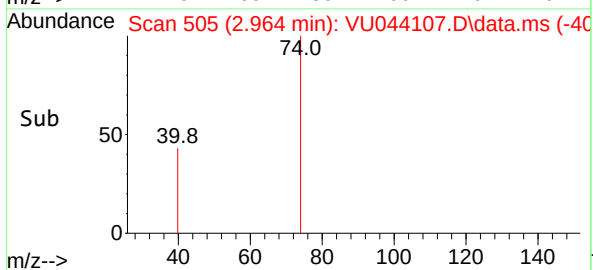
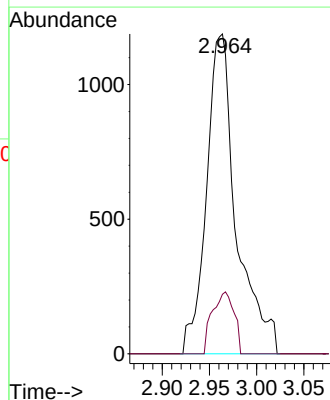
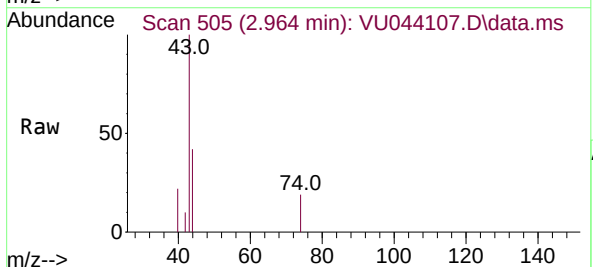
Instrument :
MSVOA_U
ClientSampled :

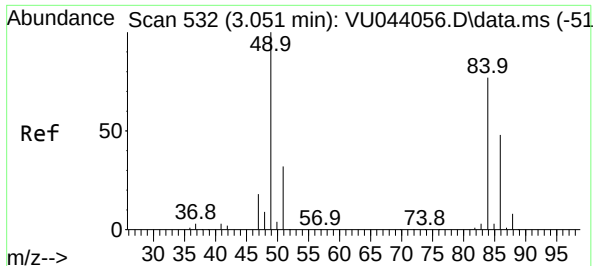
Tgt Ion: 43 Resp: 19348
Ion Ratio Lower Upper
43 100
58 33.8 27.7 41.5



#18
Methyl Acetate
Concen: 0.565 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

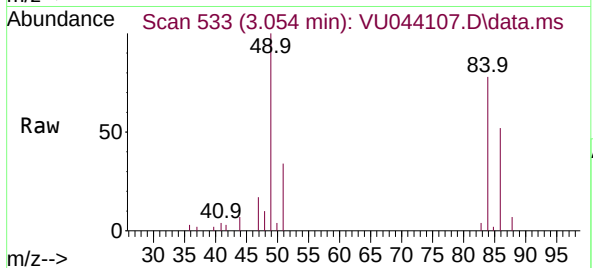
Tgt Ion: 43 Resp: 2609
Ion Ratio Lower Upper
43 100
74 14.1 18.7 28.1#



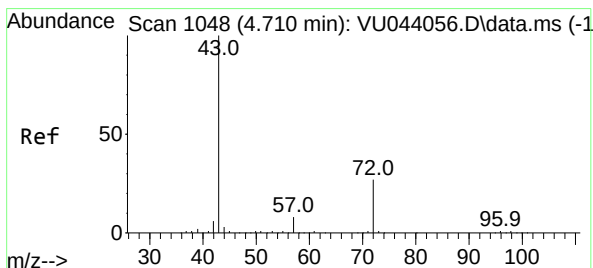
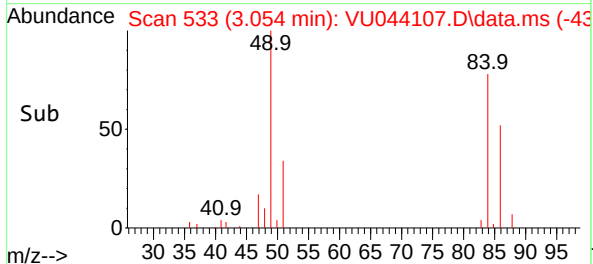
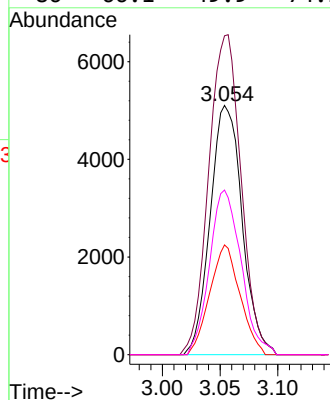


#20
Methylene Chloride
Concen: 1.481 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Instrument :
MSVOA_U
ClientSampleId :

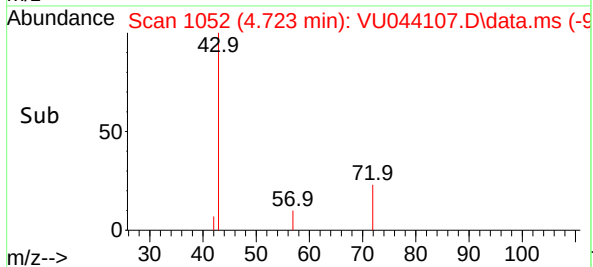
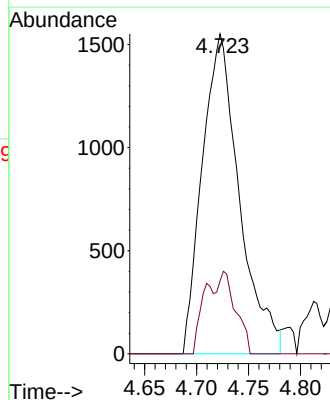
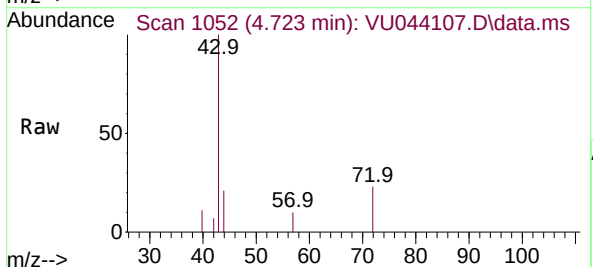


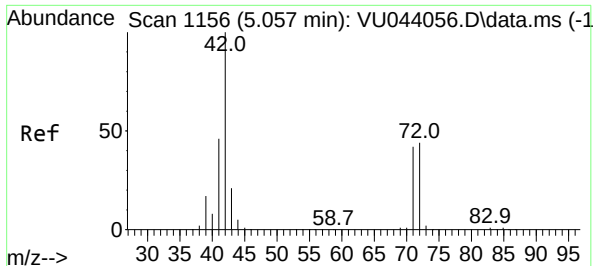
Tgt Ion:	84	Resp:	9832
Ion	Ratio	Lower	Upper
84	100		
49	127.9	103.6	155.4
51	44.0	32.8	49.2
86	66.1	49.9	74.9



#25
2-Butanone
Concen: 1.287 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion:	43	Resp:	3846
Ion	Ratio	Lower	Upper
43	100		
72	22.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 5.063 min Scan# 1158

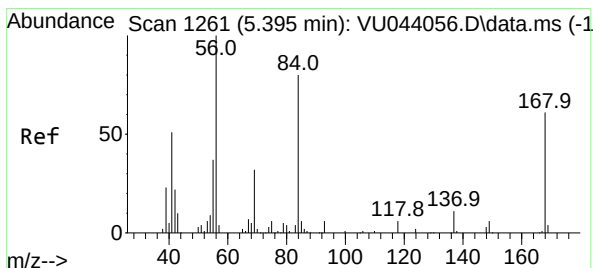
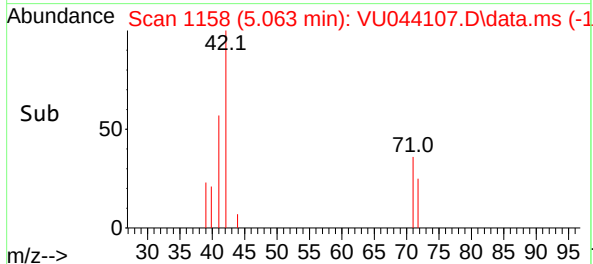
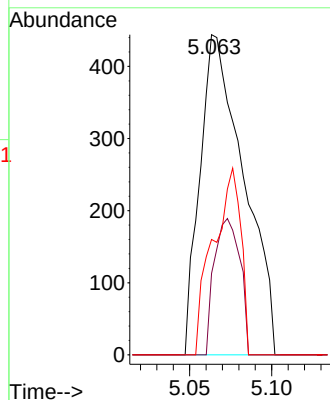
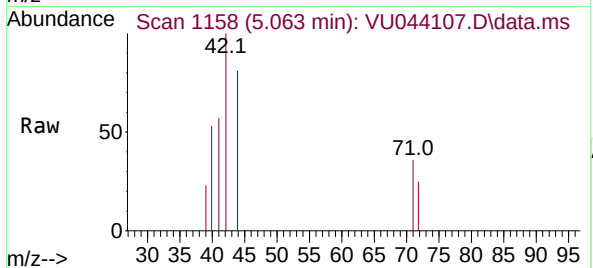
Delta R.T. 0.006 min

Lab File: VU044107.D

Acq: 08 Jun 2021 11:54

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	823
Ion	Ratio	Lower	Upper
42	100		
72	24.9	35.6	53.4#
71	36.9	33.3	49.9



#31

Cyclohexane

Concen: 0.995 ug/l

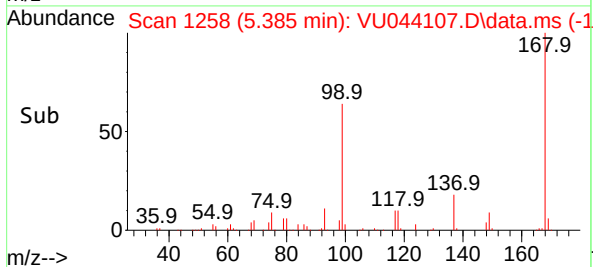
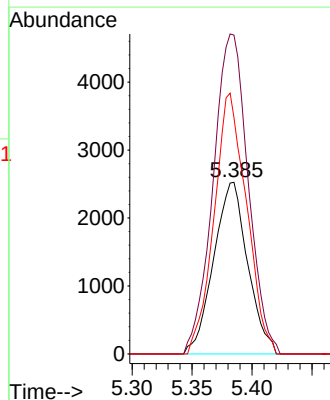
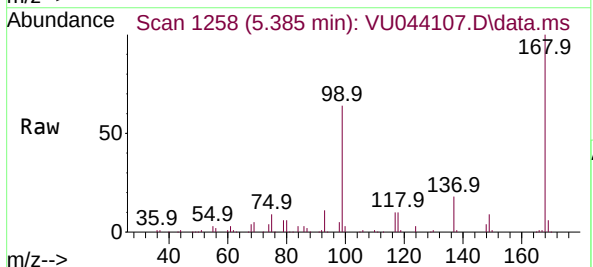
RT: 5.385 min Scan# 1258

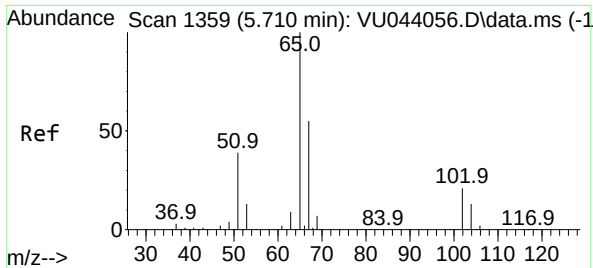
Delta R.T. -0.010 min

Lab File: VU044107.D

Acq: 08 Jun 2021 11:54

Tgt Ion:	56	Resp:	4985
Ion	Ratio	Lower	Upper
56	100		
69	185.8	25.4	38.2#
84	137.8	64.2	96.2#



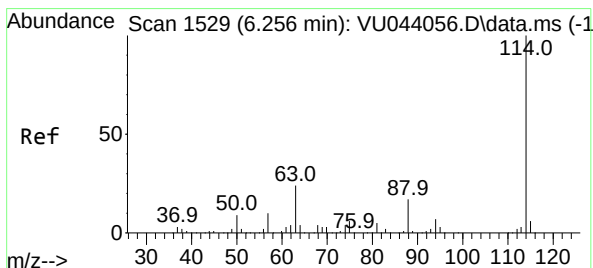
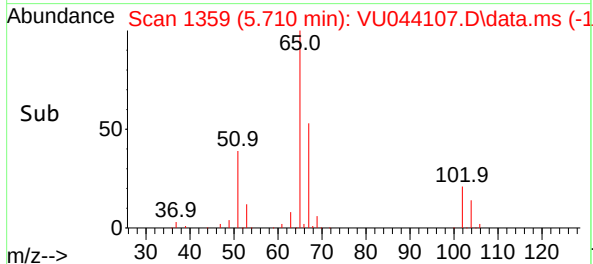
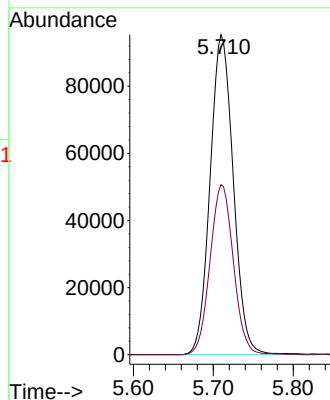
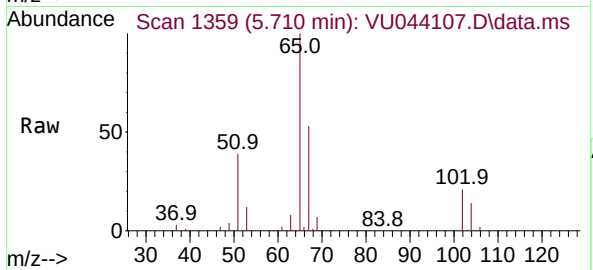


#33

1,2-Dichloroethane-d4
Concen: 52.912 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Instrument :
MSVOA_U
ClientSampled :

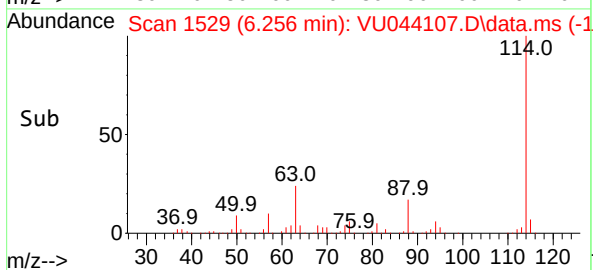
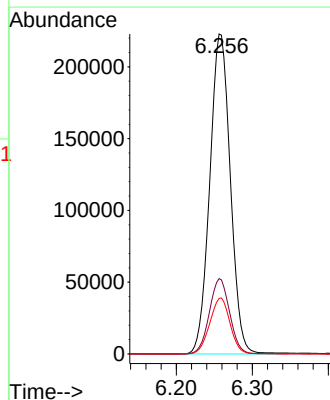
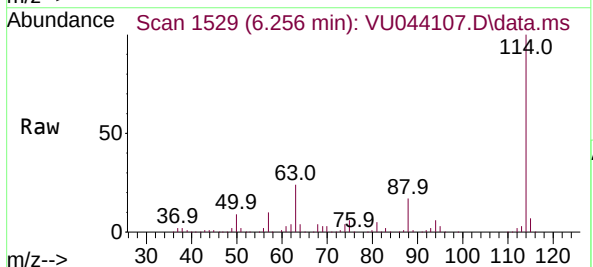
Tgt Ion: 65 Resp: 192052
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.2

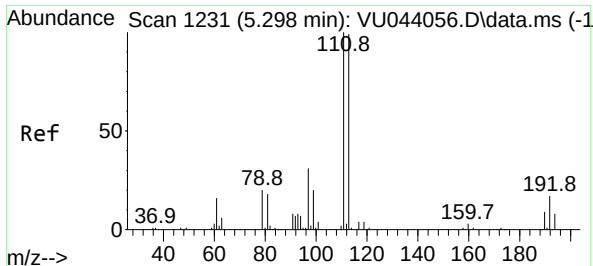


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 114 Resp: 418792
Ion Ratio Lower Upper
114 100
63 23.6 0.0 48.4
88 17.4 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.224 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044107.D

Acq: 08 Jun 2021 11:54

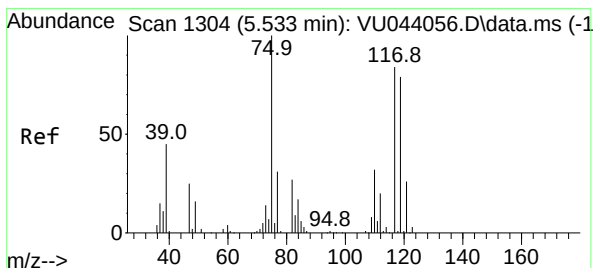
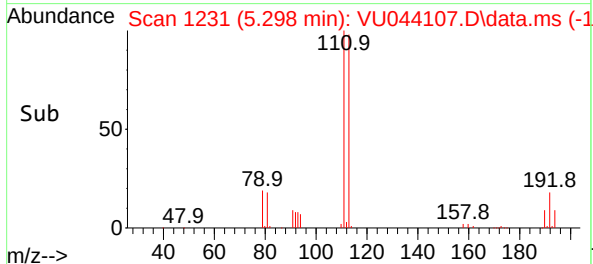
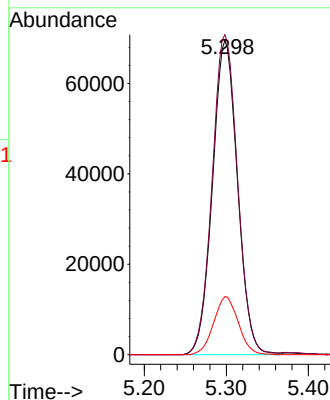
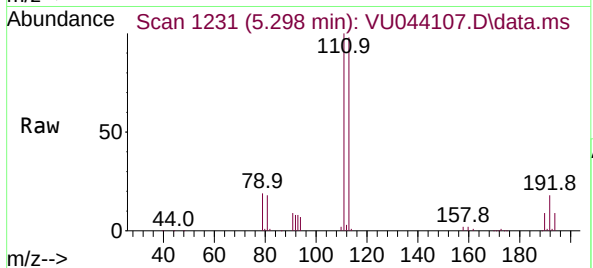
Tgt Ion:113 Resp: 147109

Ion Ratio Lower Upper

113 100

111 103.6 82.1 123.1

192 18.2 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.081 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044107.D

Acq: 08 Jun 2021 11:54

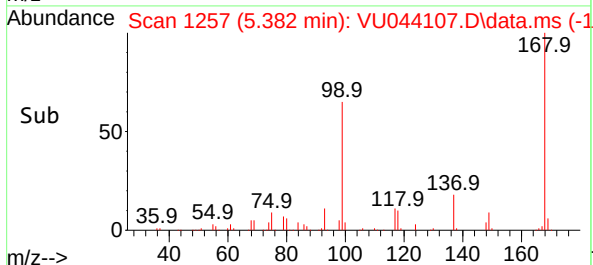
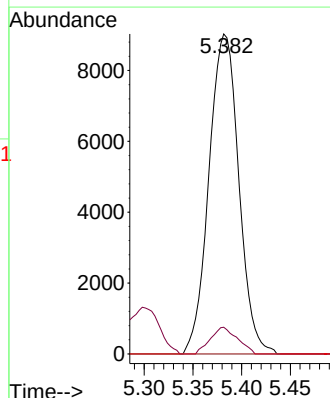
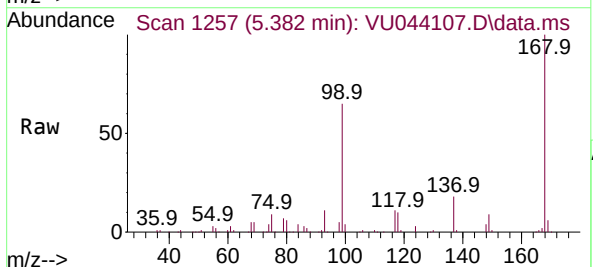
Tgt Ion: 75 Resp: 19253

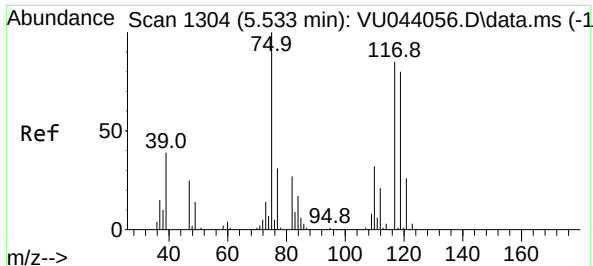
Ion Ratio Lower Upper

75 100

110 7.6 15.9 47.7#

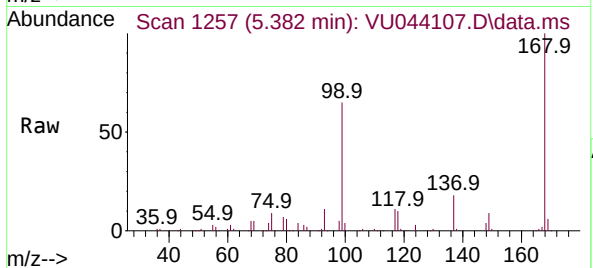
77 0.0 25.0 37.4#



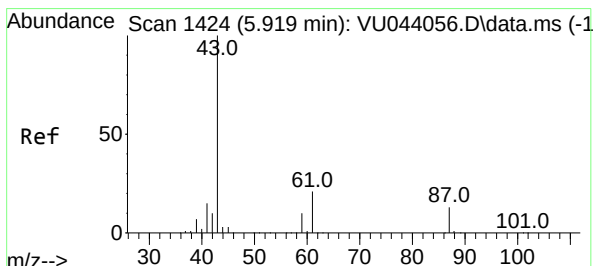
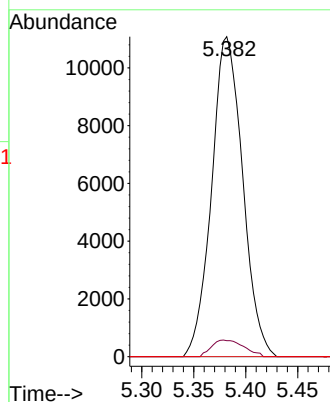
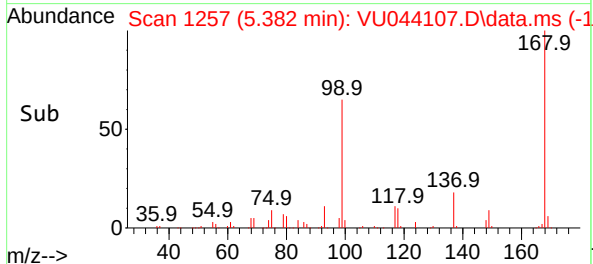


#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

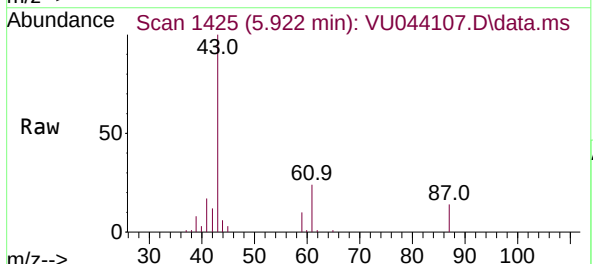
Instrument :
MSVOA_U
ClientSampleId :



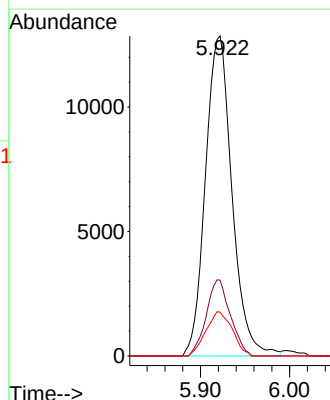
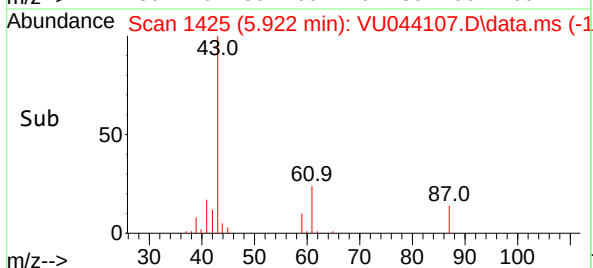
Tgt Ion:117 Resp: 23040
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 24.5 36.7#

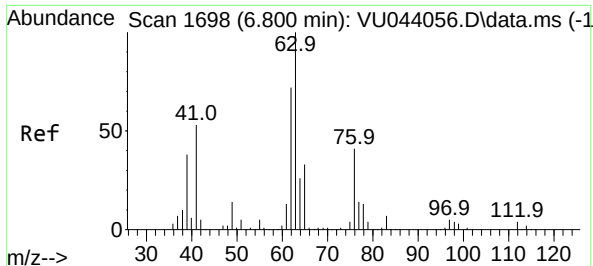


#43
Isopropyl Acetate
Concen: 3.168 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54



Tgt Ion: 43 Resp: 26629
Ion Ratio Lower Upper
43 100
61 21.5 16.8 25.2
87 13.7 10.2 15.2



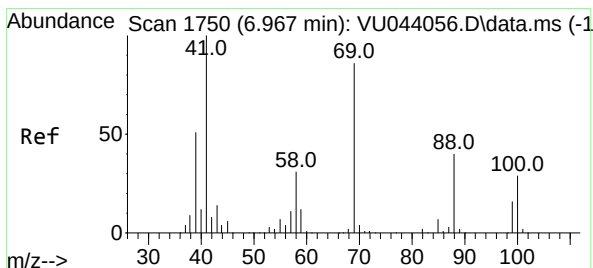
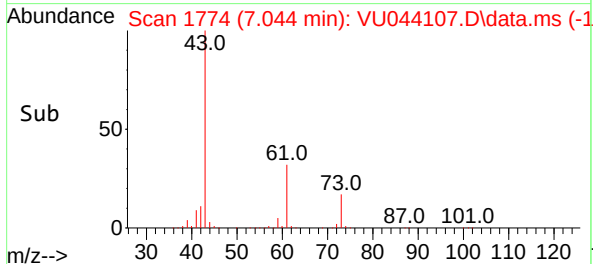
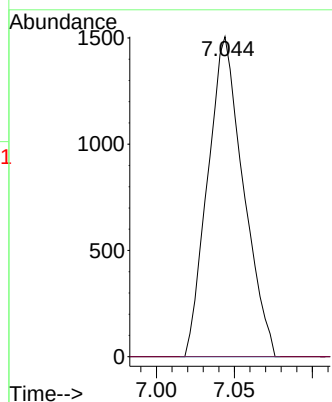
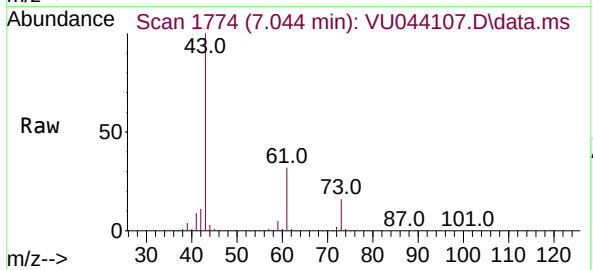


#45

1,2-Dichloropropane
Concen: 0.616 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Instrument :
MSVOA_U
ClientSampled :

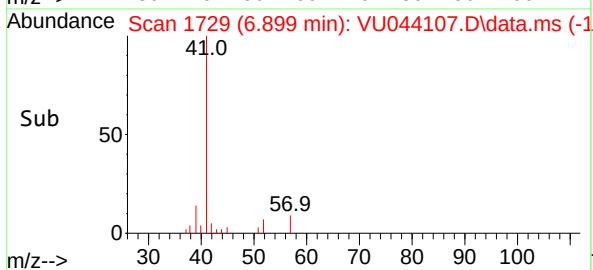
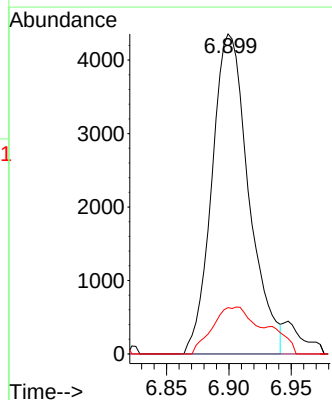
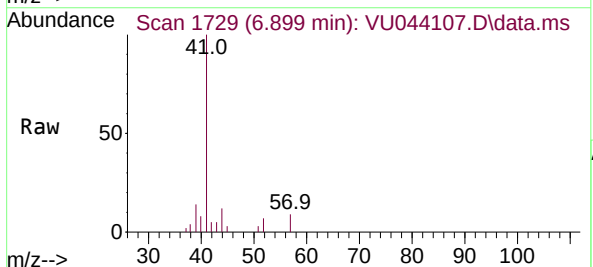
Tgt Ion: 63 Resp: 2389
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

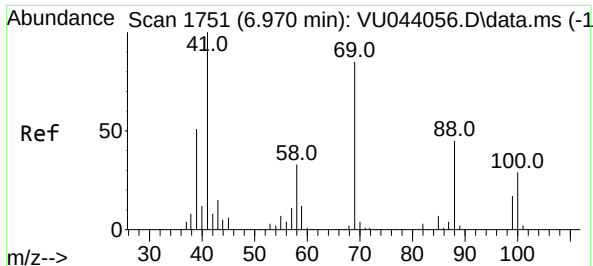


#48

Methyl methacrylate
Concen: 2.169 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 41 Resp: 8989
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: 1.482 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

Lab File: VU044107.D

Acq: 08 Jun 2021 11:54

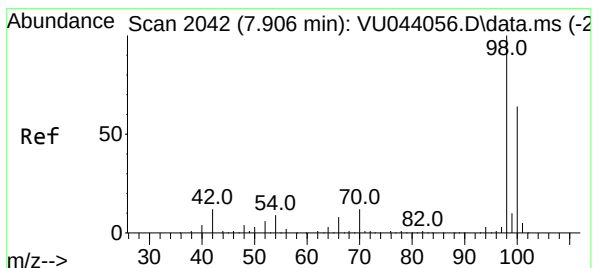
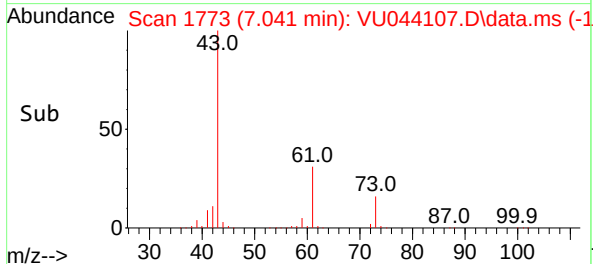
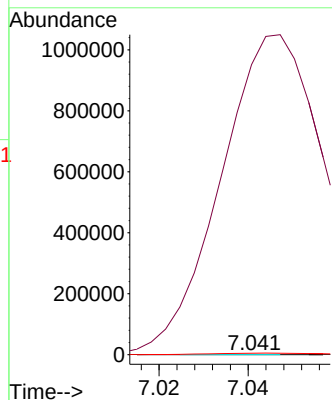
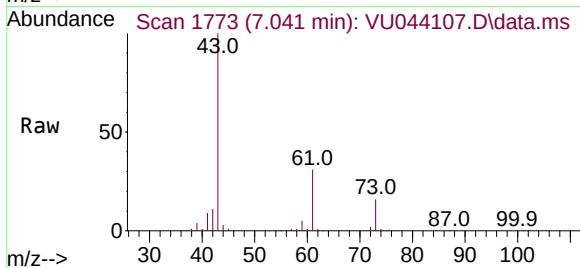
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 1183968.2 25.0 37.4#

58 6166.2 60.0 90.0#



#50

Toluene-d8

Concen: 51.137 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044107.D

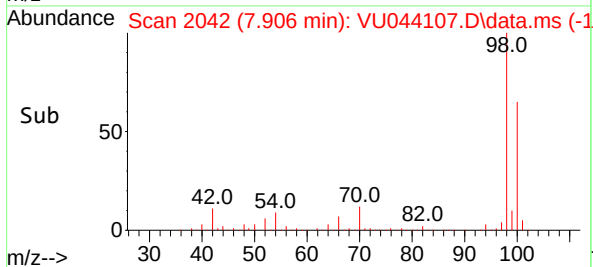
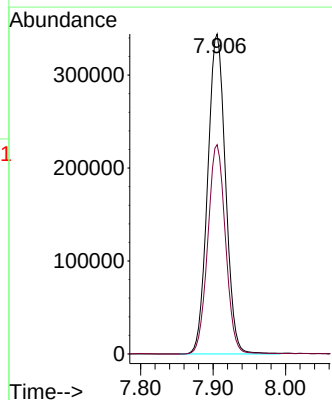
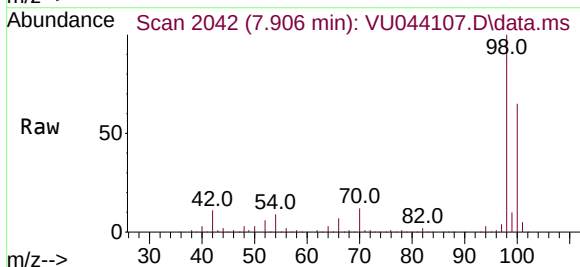
Acq: 08 Jun 2021 11:54

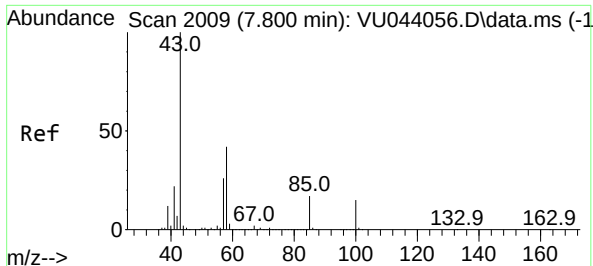
Tgt Ion: 98 Resp: 589491

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4

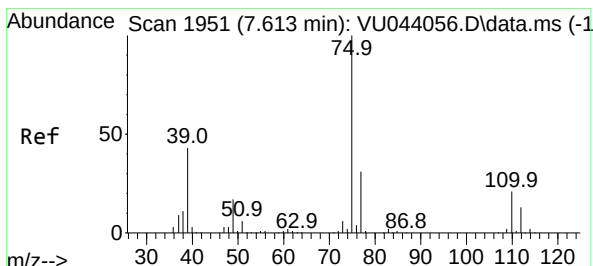
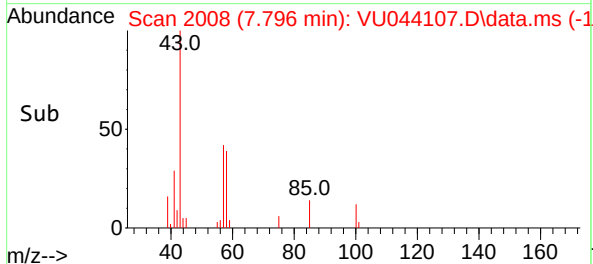
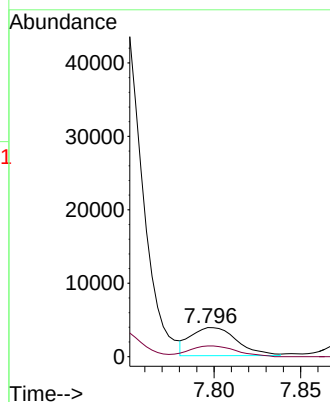
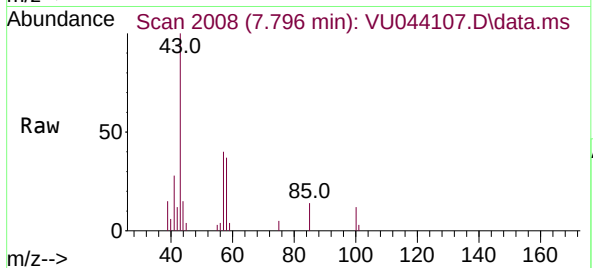




#51
4-Methyl-2-Pentanone
Concen: 1.143 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.004 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

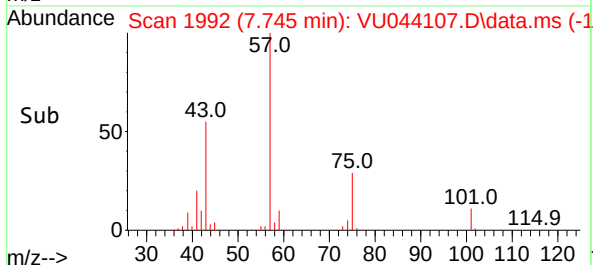
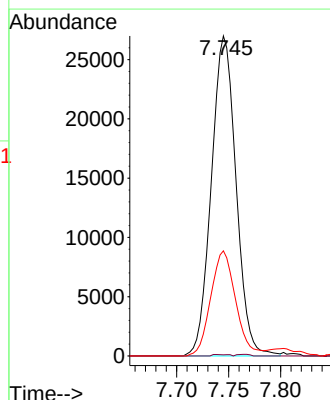
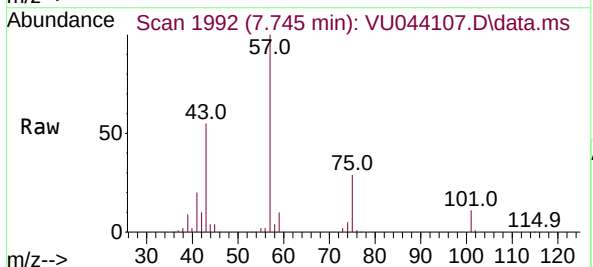
Instrument :
MSVOA_U
ClientSampled :

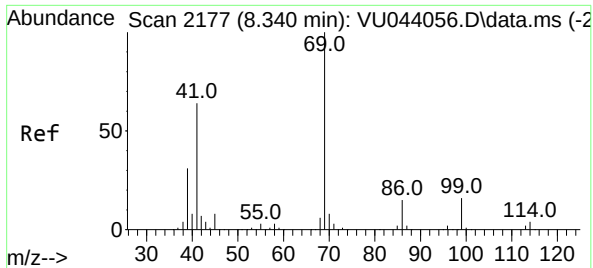
Tgt Ion: 43 Resp: 7132
Ion Ratio Lower Upper
43 100
58 39.4 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.730 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 75 Resp: 44603
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.4#
39 32.9 34.7 52.1#

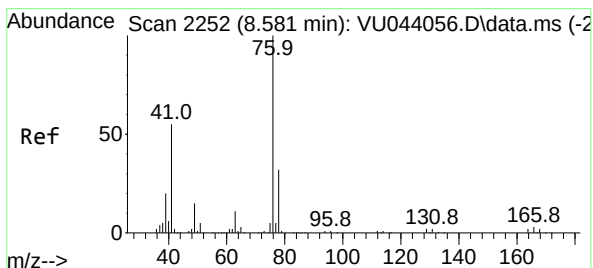
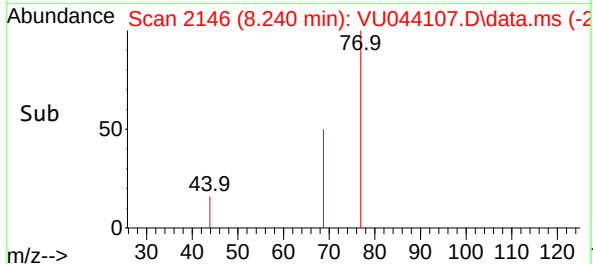
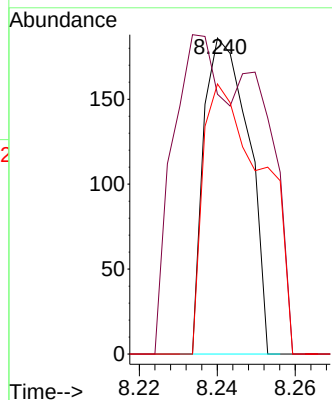
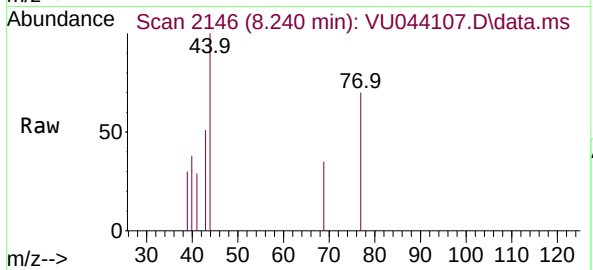




#56
Ethyl methacrylate
Concen: 3.408 ug/l
RT: 8.240 min Scan# 2146
Delta R.T. -0.100 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

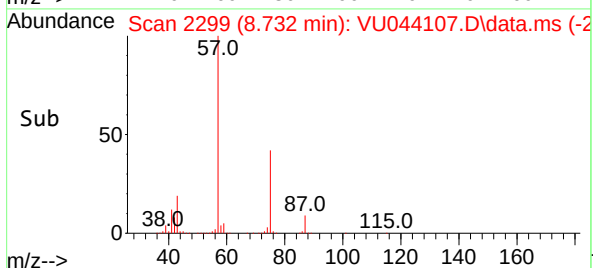
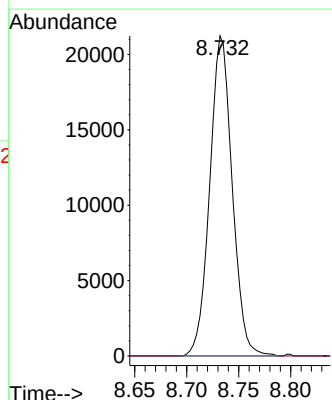
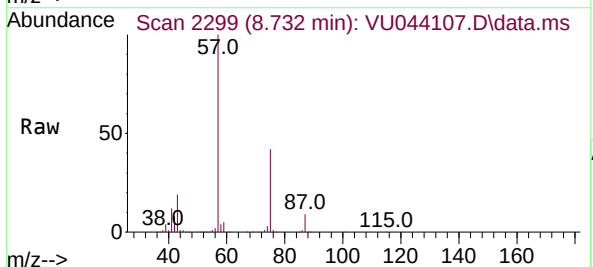
Instrument :
MSVOA_U
ClientSampleId :

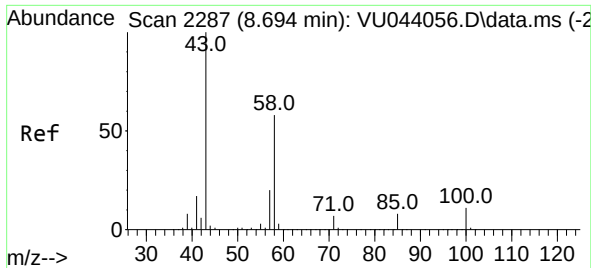
Tgt Ion: 69 Resp: 148
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 5.024 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 76 Resp: 31924
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

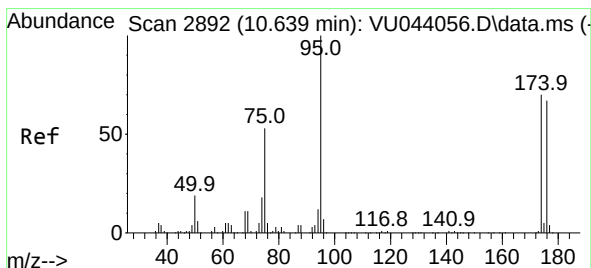
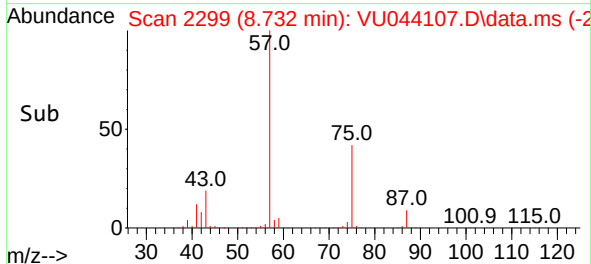
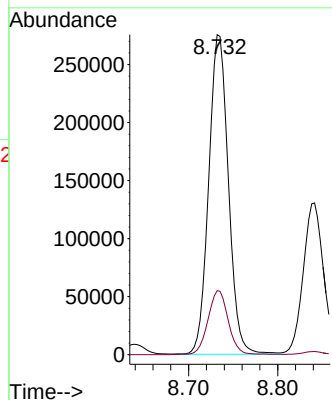
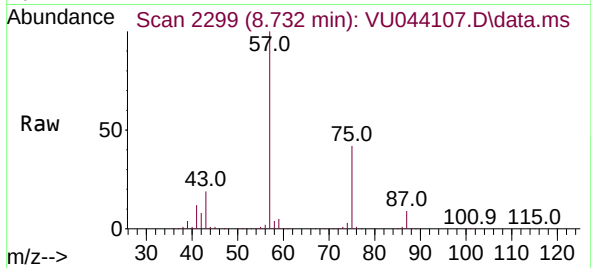




#59
2-Hexanone
Concen: 87.326 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

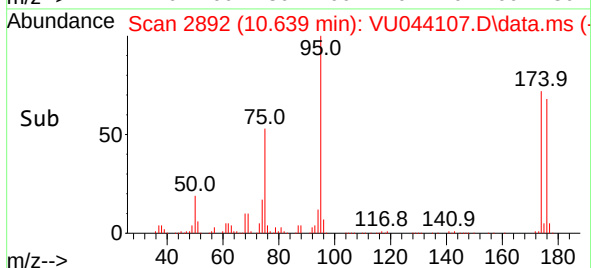
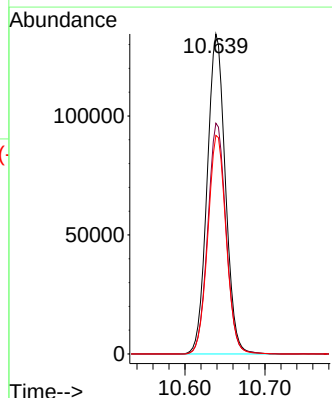
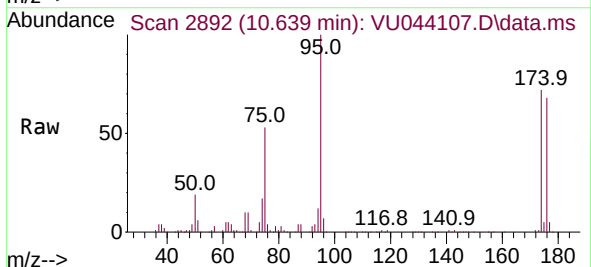
Instrument :
MSVOA_U
ClientSampled :

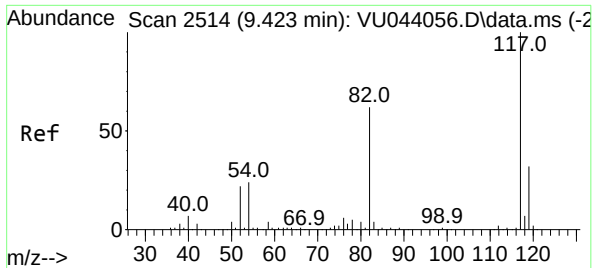
Tgt Ion: 43 Resp: 423571
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.698 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 95 Resp: 213128
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.0
176 68.9 0.0 135.2

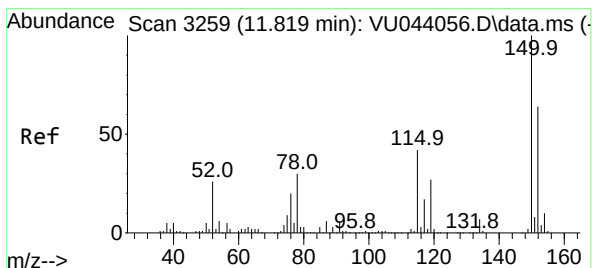
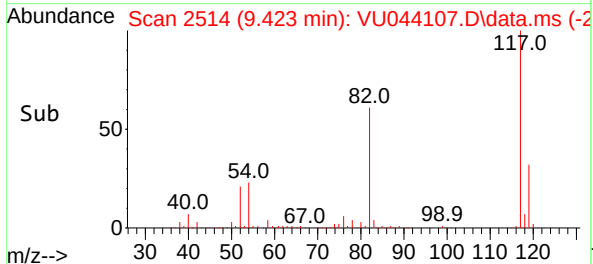
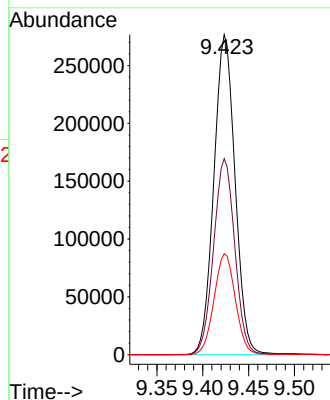
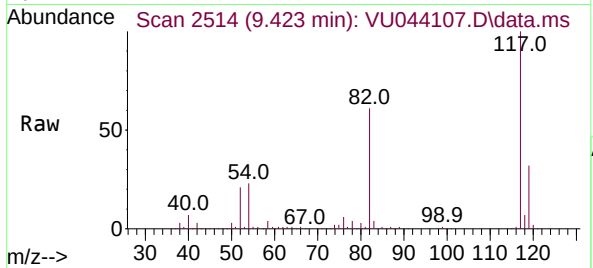




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

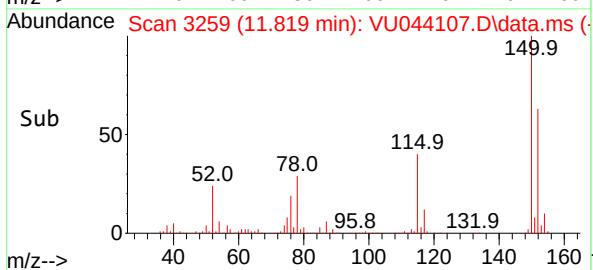
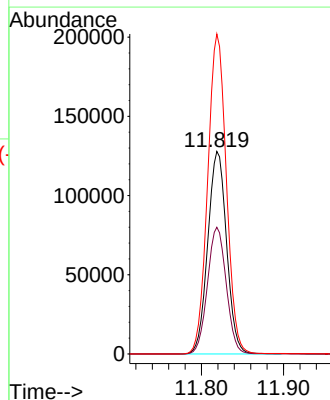
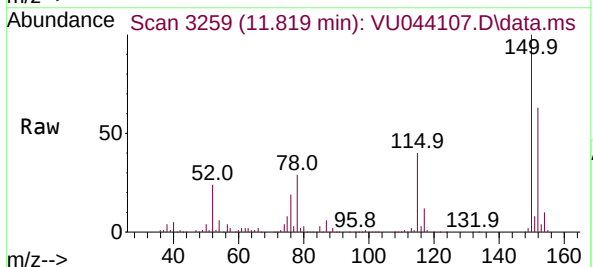
Instrument :
MSVOA_U
ClientSampleId :

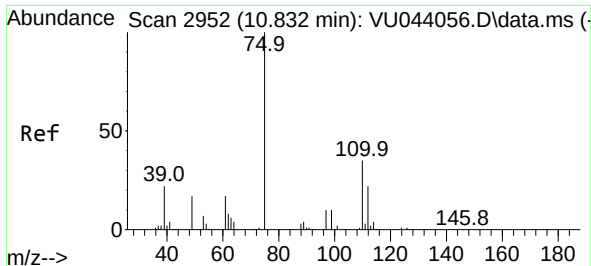
Tgt Ion:117 Resp: 446127
Ion Ratio Lower Upper
117 100
82 61.2 50.0 75.0
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion:152 Resp: 203751
Ion Ratio Lower Upper
152 100
115 62.4 44.6 134.0
150 156.4 0.0 347.8

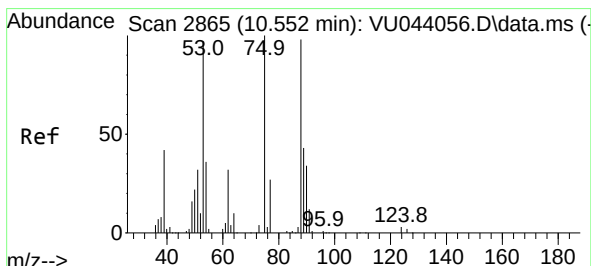
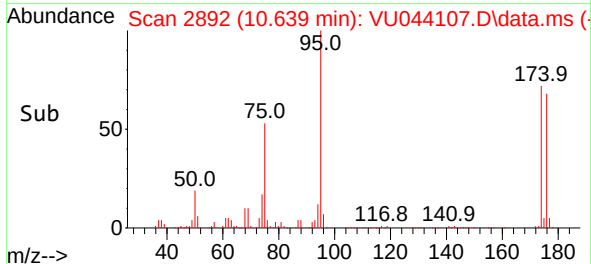
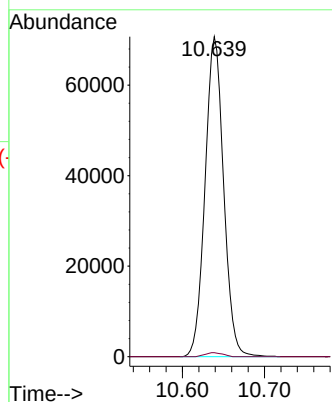
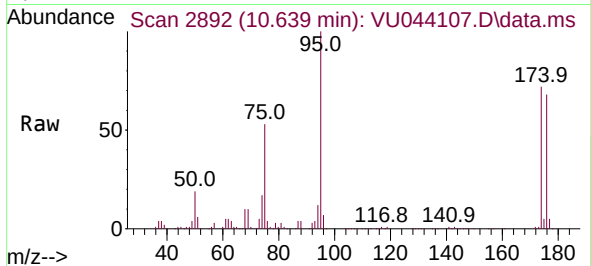




#76
1,2,3-Trichloropropane
Concen: 19.472 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

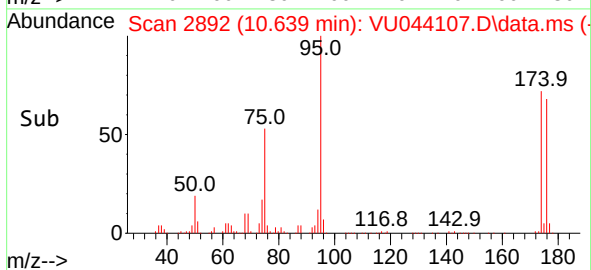
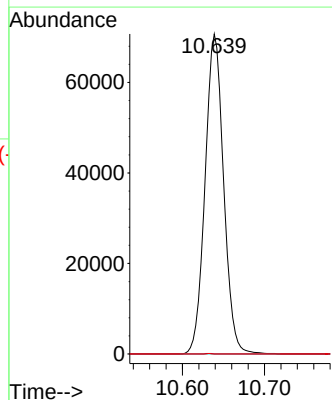
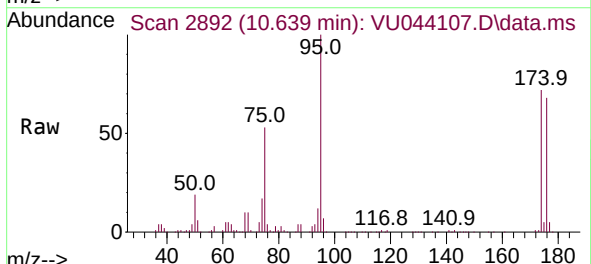
Instrument :
MSVOA_U
ClientSampled :

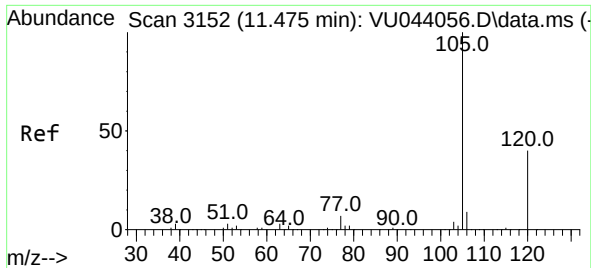
Tgt Ion: 75 Resp: 110985
Ion Ratio Lower Upper
75 100
77 1.2 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.857 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion: 75 Resp: 110985
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

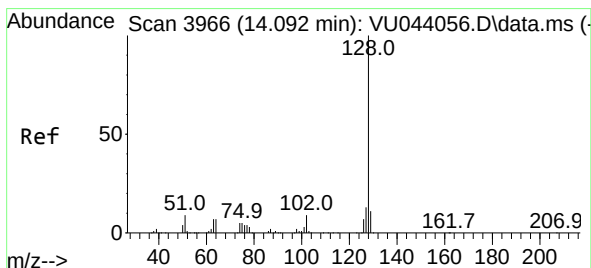
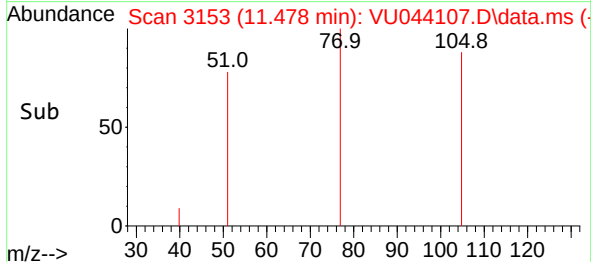
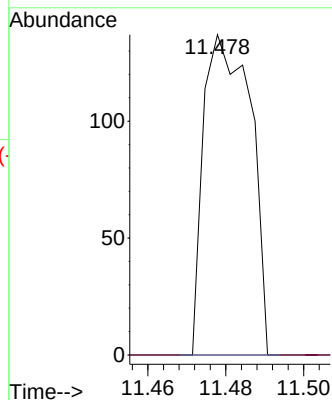
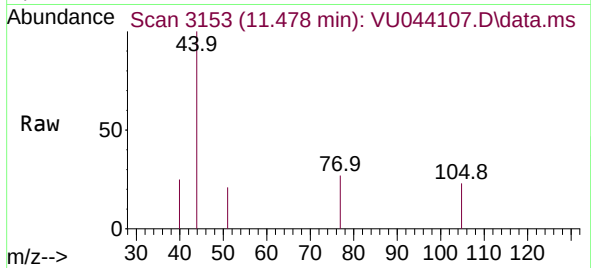




#84
1,2,4-Trimethylbenzene
Concen: 0.957 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:105 Resp: 115
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.854 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044107.D
Acq: 08 Jun 2021 11:54

Tgt Ion:128 Resp: 125
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

