

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044098.D
 Acq On : 08 Jun 2021 08:23
 Operator : SY/MD
 Sample : M2613-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:10:32 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)

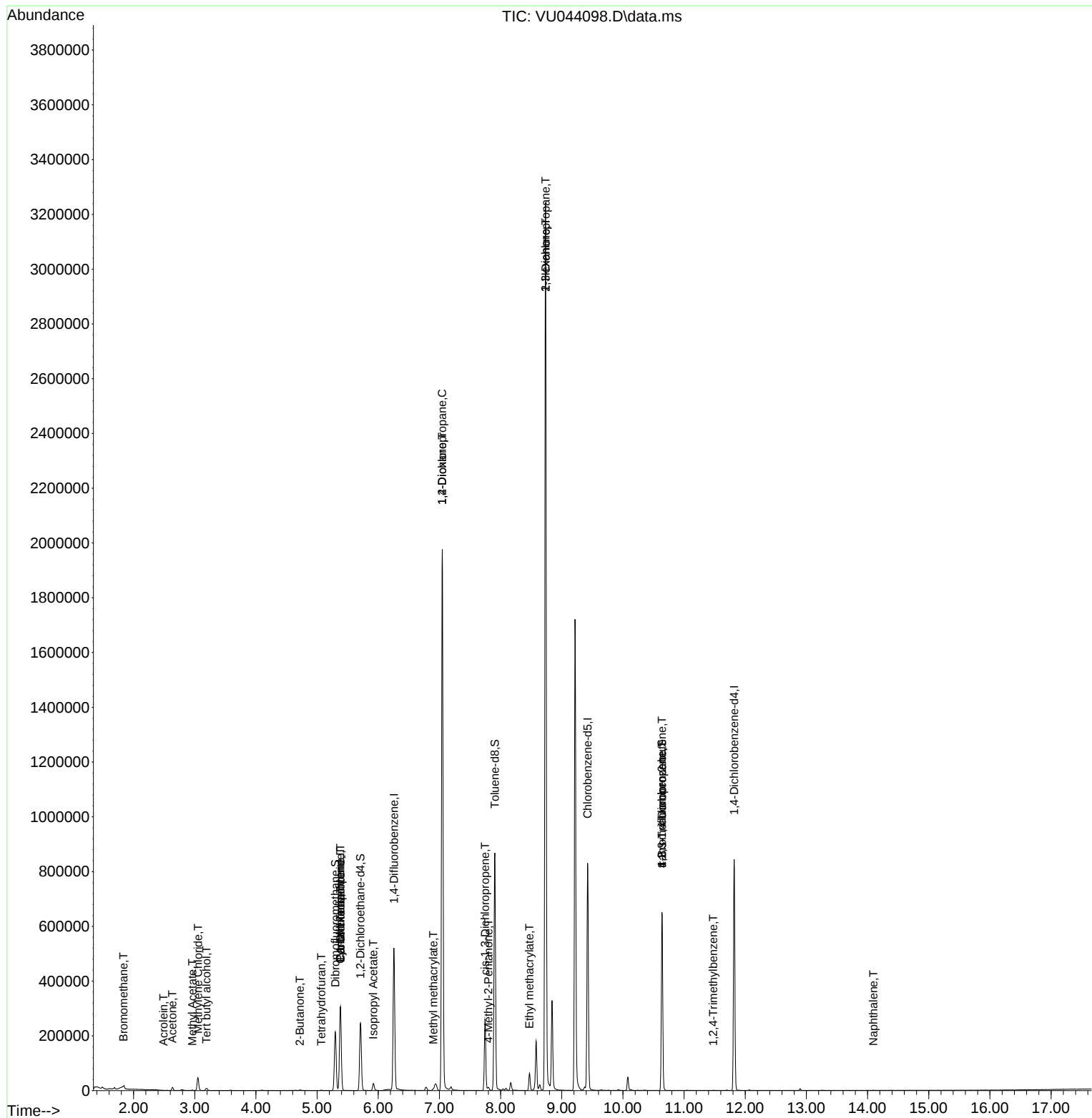
Internal Standards						
1) Pentafluorobenzene	5.382	168	197129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	396162	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	434272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	204253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	182374	53.122	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.240%	
35) Dibromofluoromethane	5.298	113	139656	49.399	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.800%	
50) Toluene-d8	7.906	98	555290	50.922	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.840%	
62) 4-Bromofluorobenzene	10.639	95	219106	50.750	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	878	Below Cal	#	65
5) Bromomethane	1.835	94	455	0.301	ug/l	88
11) Tert butyl alcohol	3.192	59	5678	6.671	ug/l #	72
13) Acrolein	2.488	56	152	0.227	ug/l #	51
16) Acetone	2.636	43	12937	6.529	ug/l	93
18) Methyl Acetate	2.961	43	2071	0.474	ug/l	100
20) Methylene Chloride	3.054	84	22500	6.079	ug/l	96
25) 2-Butanone	4.719	43	3859	1.365	ug/l #	84
29) Tetrahydrofuran	5.070	42	893	0.569	ug/l #	86
31) Cyclohexane	5.378	56	4800	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	17564	3.935	ug/l #	50
38) Carbon Tetrachloride	5.382	117	20933	5.191	ug/l #	17
43) Isopropyl Acetate	5.919	43	26945	3.389	ug/l	100
45) 1,2-Dichloropropane	7.047	63	2666	0.726	ug/l #	42
48) Methyl methacrylate	6.902	41	9765	2.491	ug/l #	14
49) 1,4-Dioxane	7.047	88	168	1.743	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	6305	1.068	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	45686	8.370	ug/l #	66
56) Ethyl methacrylate	8.472	69	301	3.433	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	33020	5.494	ug/l #	43
59) 2-Hexanone	8.735	43	432065	94.166	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	113296	19.828	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	113296	57.899	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	276	0.969	ug/l #	32
95) Naphthalene	14.095	128	750	2.896	ug/l #	69

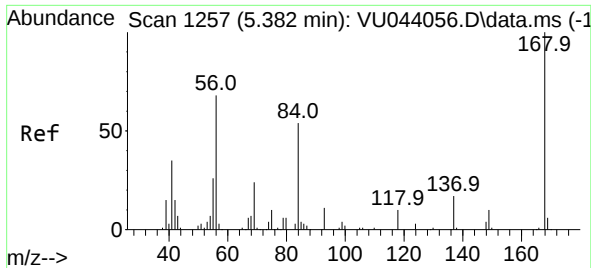
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 23:10:32 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

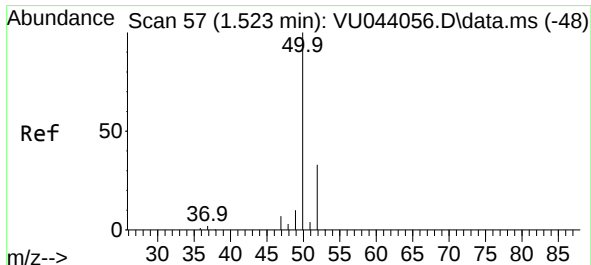
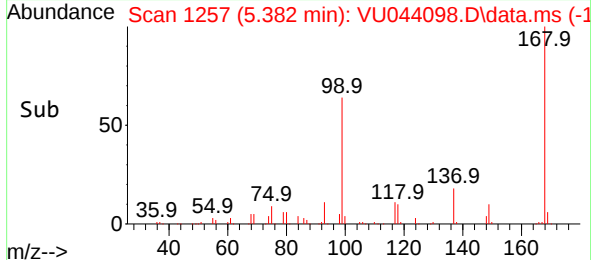
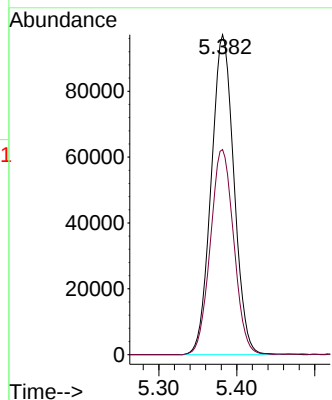
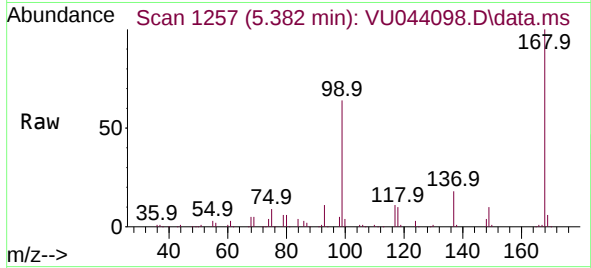




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

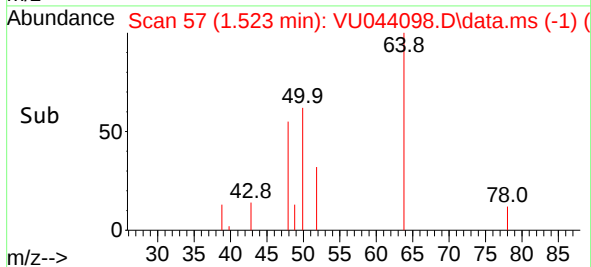
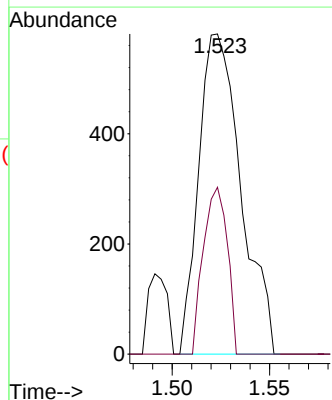
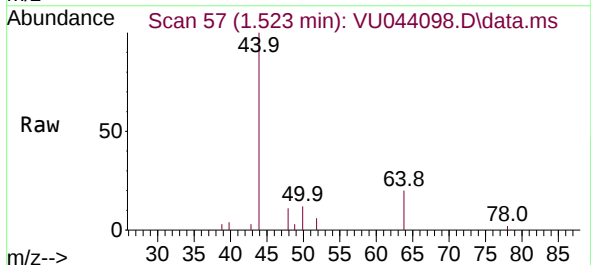
Instrument :
MSVOA_U
ClientSampled :

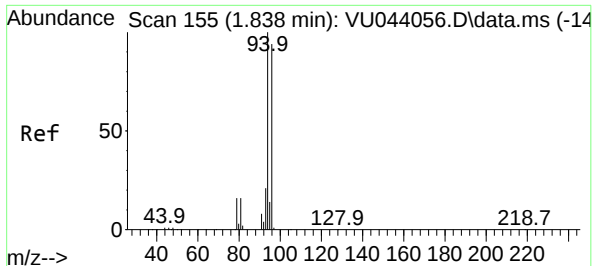
Tgt Ion:168 Resp: 197129
Ion Ratio Lower Upper
168 100
99 64.1 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 50 Resp: 878
Ion Ratio Lower Upper
50 100
52 52.2 26.2 39.2#

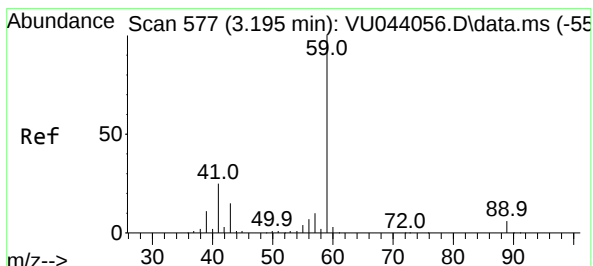
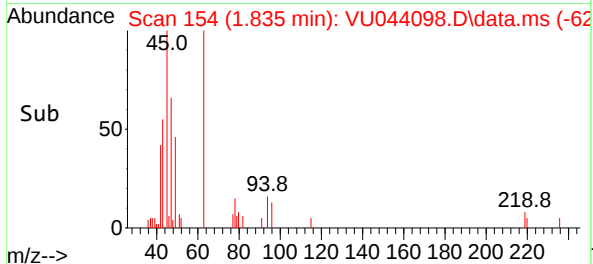
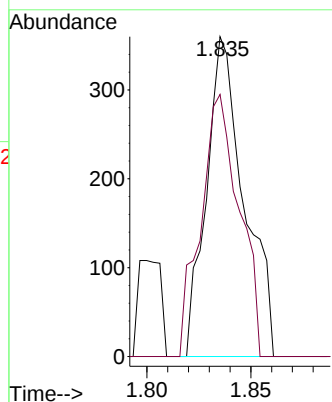
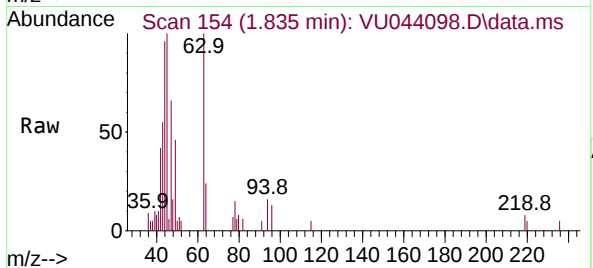




#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.835 min Scan# 154
Delta R.T. -0.003 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

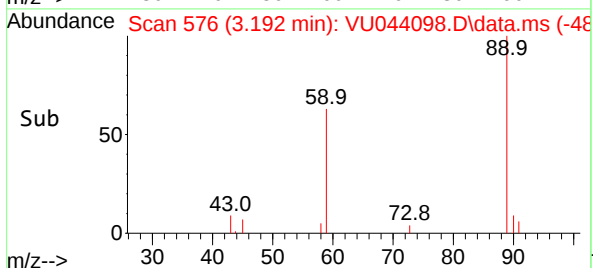
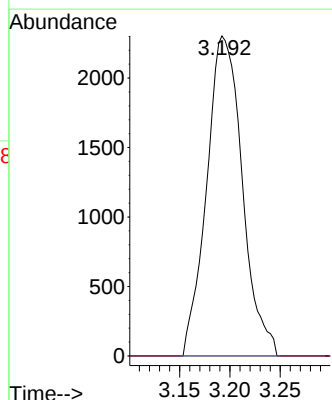
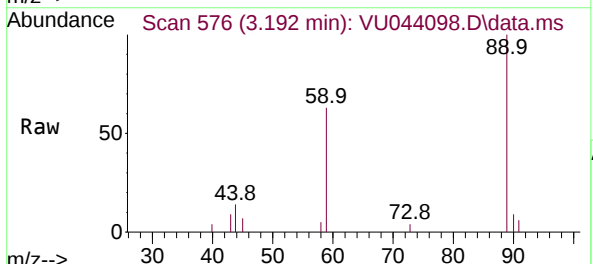
Instrument :
MSVOA_U
ClientSampled :

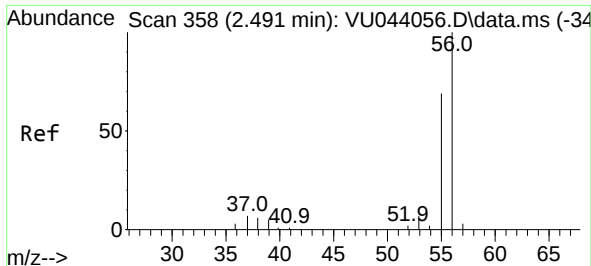
Tgt Ion: 94 Resp: 455
Ion Ratio Lower Upper
94 100
96 81.9 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.671 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 59 Resp: 5678
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

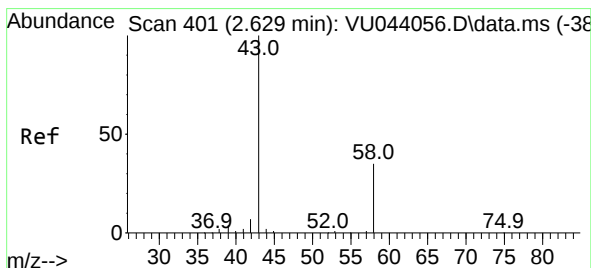
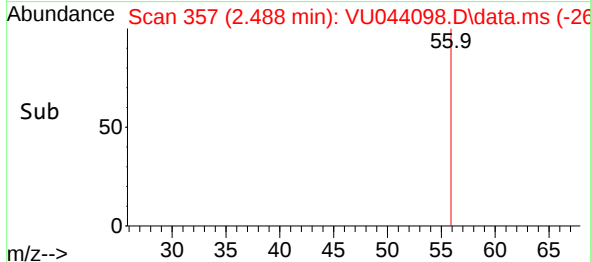
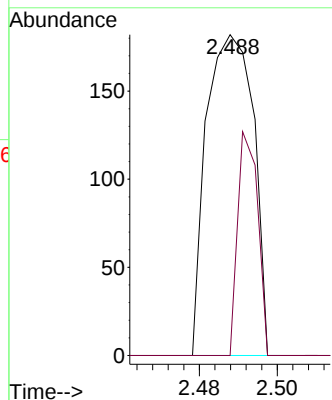
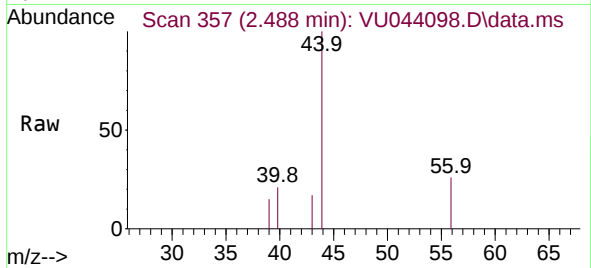




#13
Acrolein
Concen: 0.227 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

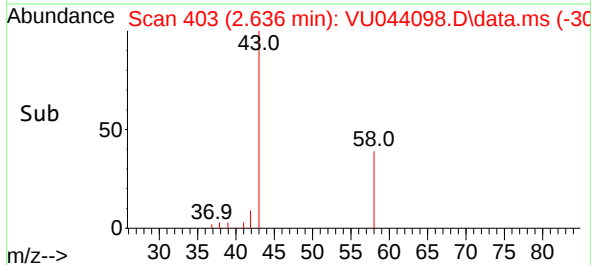
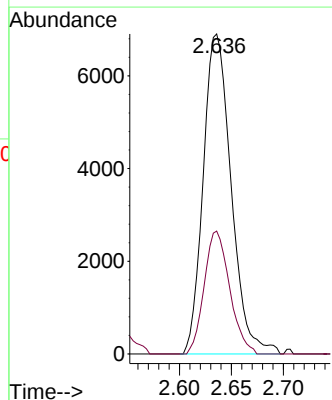
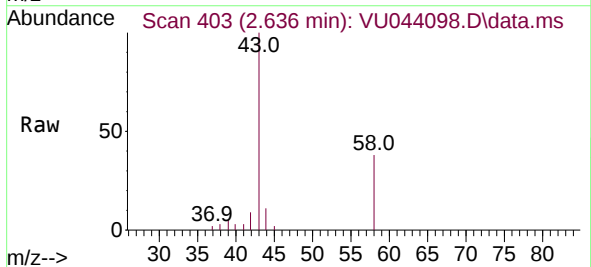
Instrument :
MSVOA_U
ClientSampled :

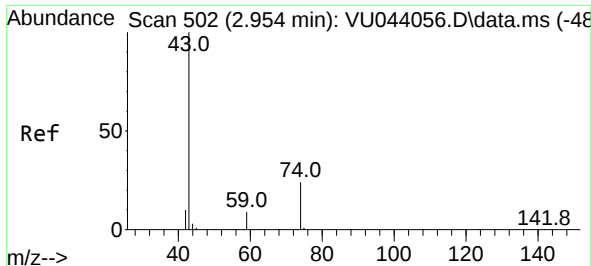
Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 29.6 56.1 84.1#



#16
Acetone
Concen: 6.529 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.007 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 43 Resp: 12937
Ion Ratio Lower Upper
43 100
58 38.4 27.7 41.5

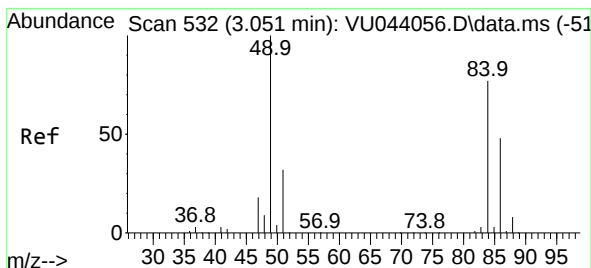
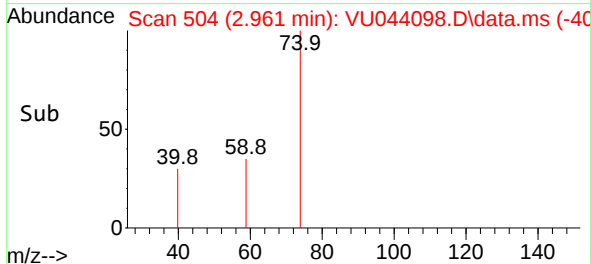
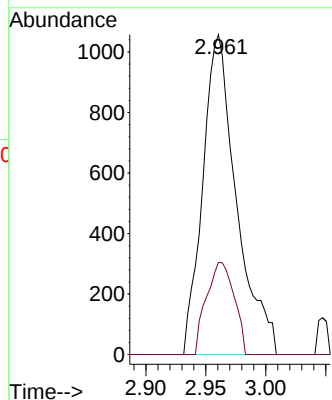
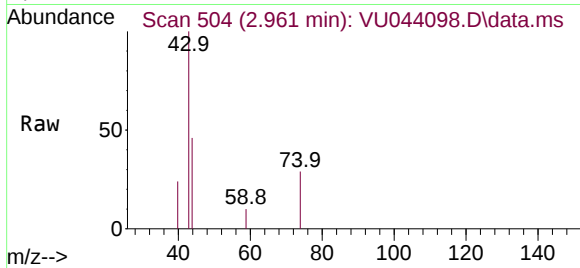




#18
Methyl Acetate
Concen: 0.474 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

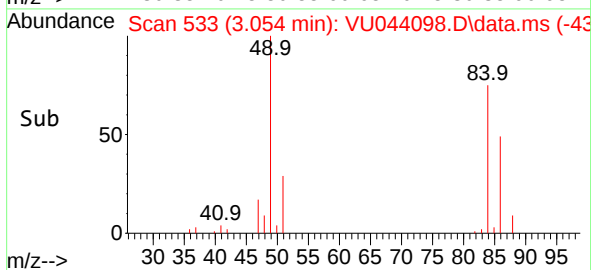
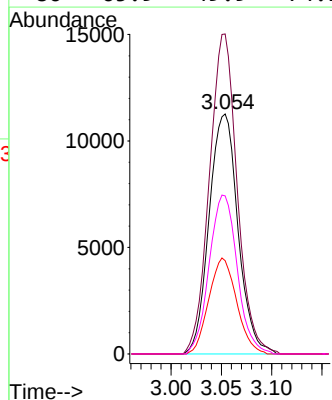
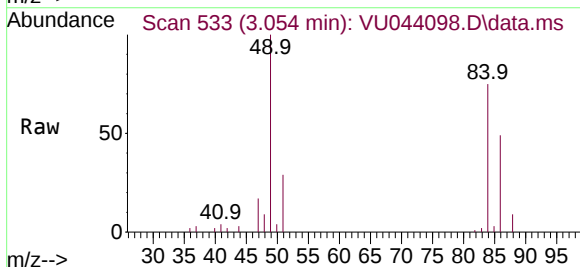
Instrument :
MSVOA_U
ClientSampled :

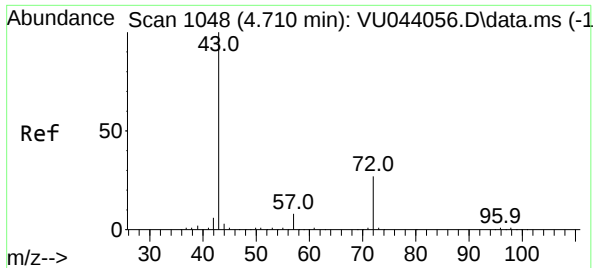
Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
74 23.6 18.7 28.1



#20
Methylene Chloride
Concen: 6.079 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 84 Resp: 22500
Ion Ratio Lower Upper
84 100
49 133.4 103.6 155.4
51 38.9 32.8 49.2
86 65.9 49.9 74.9

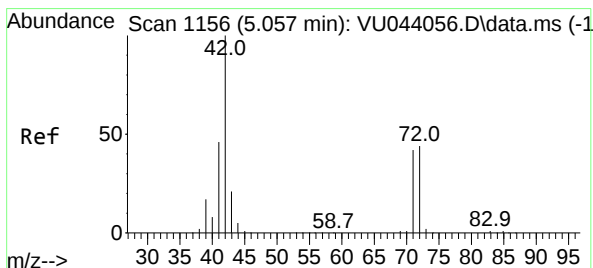
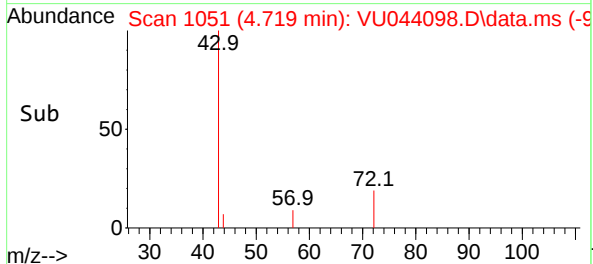
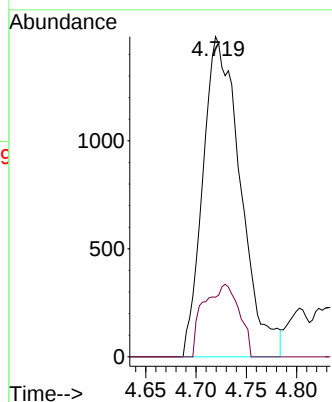
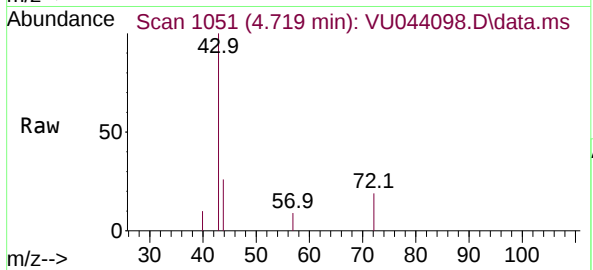




#25
2-Butanone
Concen: 1.365 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

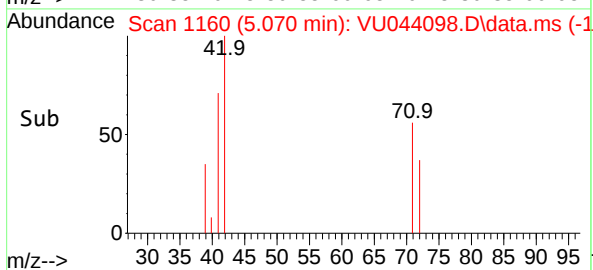
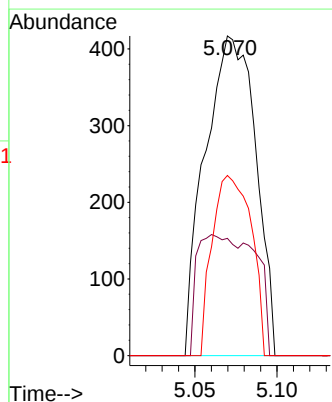
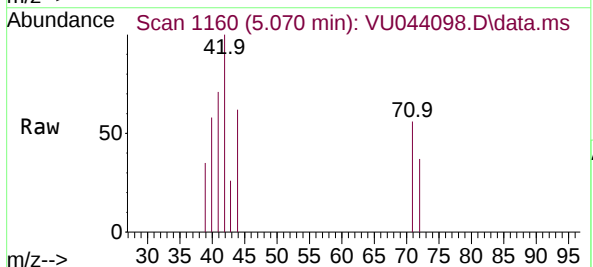
Instrument :
MSVOA_U
ClientSampled :

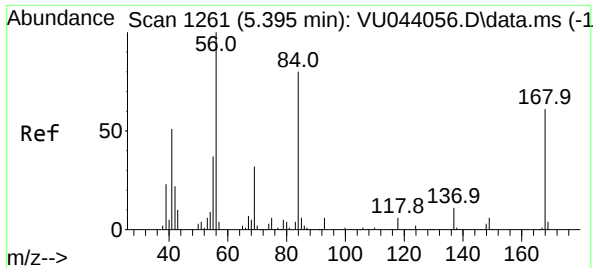
Tgt Ion: 43 Resp: 3859
Ion Ratio Lower Upper
43 100
72 18.6 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.569 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.013 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 42 Resp: 893
Ion Ratio Lower Upper
42 100
72 28.9 35.6 53.4#
71 43.3 33.3 49.9

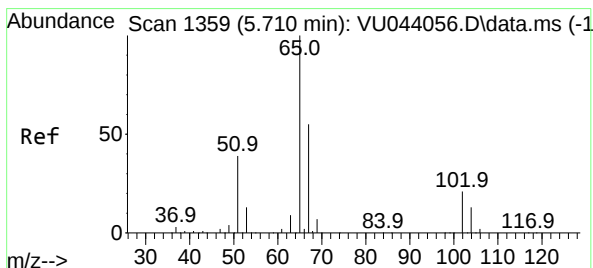
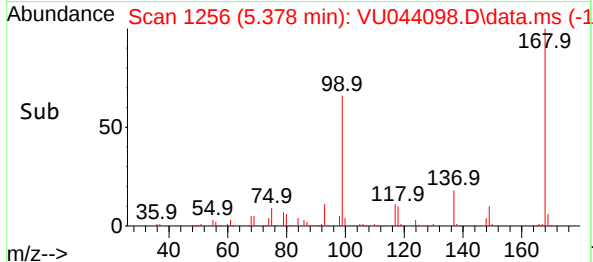
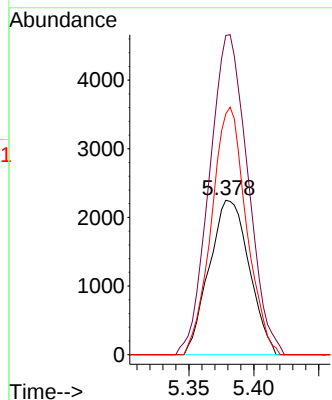
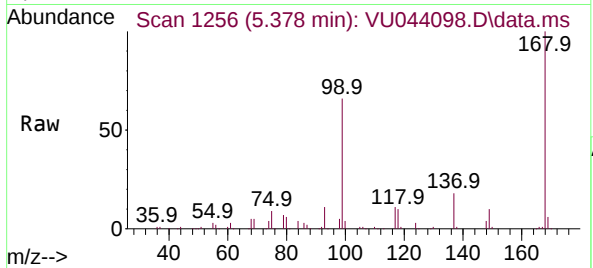




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.017 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

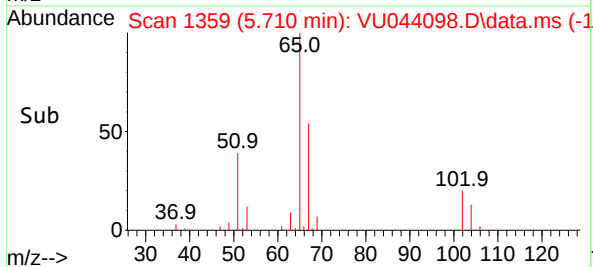
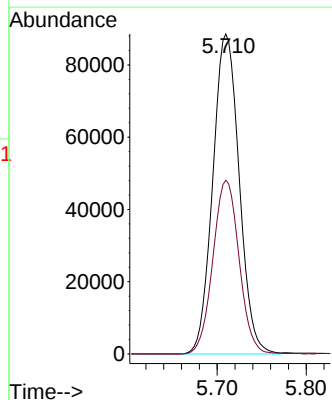
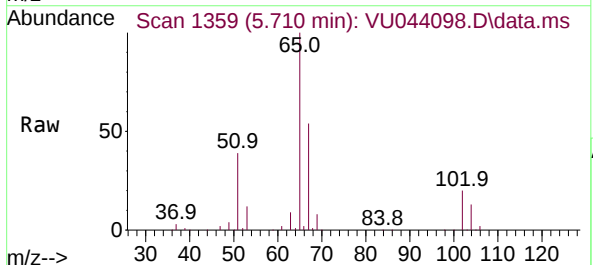
Instrument :
MSVOA_U
ClientSampled :

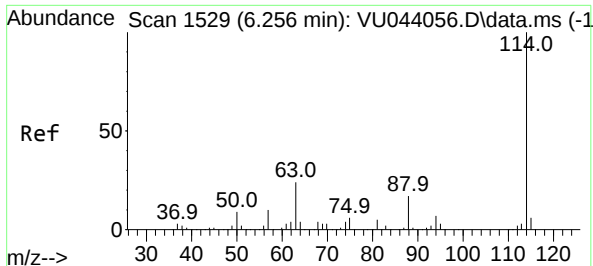
Tgt Ion: 56 Resp: 4800
Ion Ratio Lower Upper
56 100
69 202.0 25.4 38.2#
84 156.0 64.2 96.2#



#33
1,2-Dichloroethane-d4
Concen: 53.122 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 65 Resp: 182374
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.2

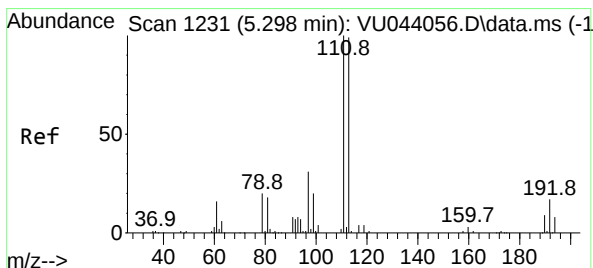
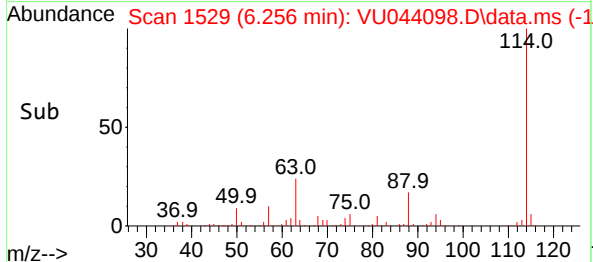
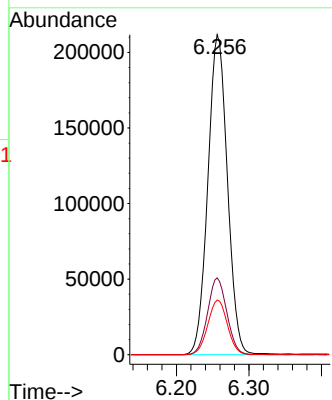
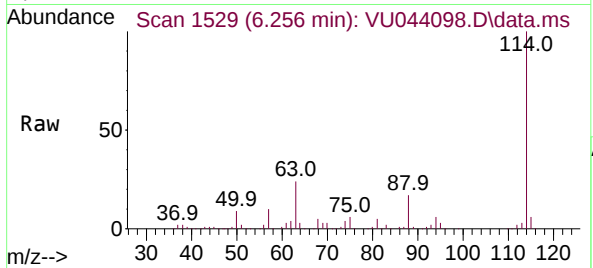




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

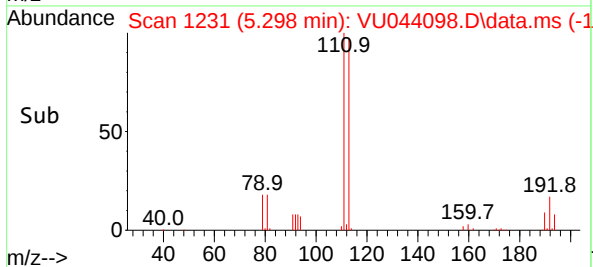
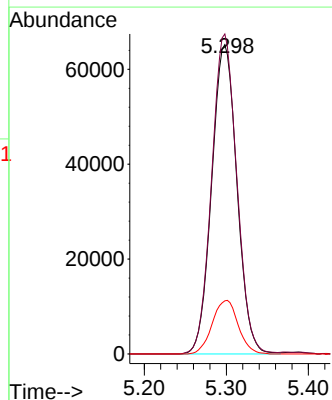
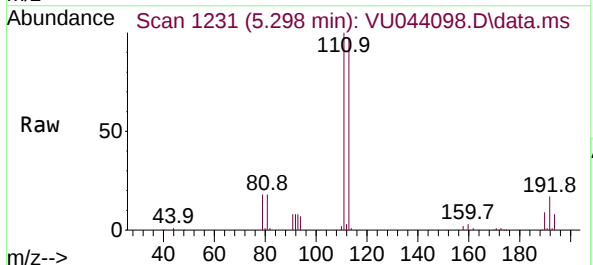
Instrument :
MSVOA_U
ClientSampled :

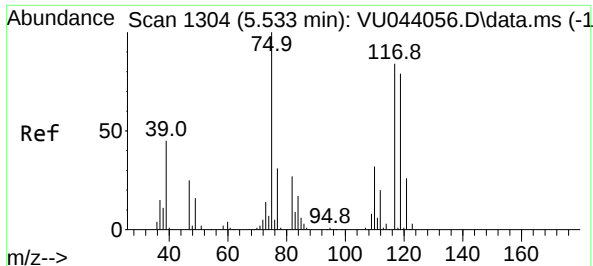
Tgt Ion:114 Resp: 396162
Ion Ratio Lower Upper
114 100
63 24.0 0.0 48.4
88 17.1 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.399 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion:113 Resp: 139656
Ion Ratio Lower Upper
113 100
111 103.1 82.1 123.1
192 17.8 13.8 20.8



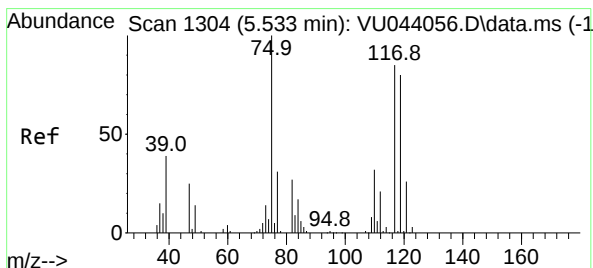
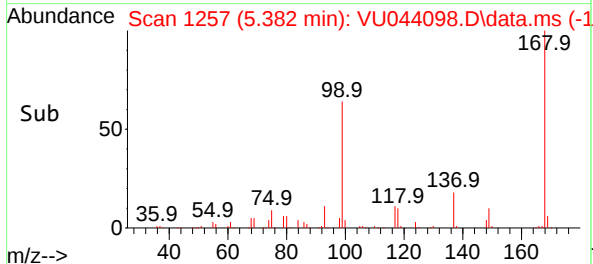
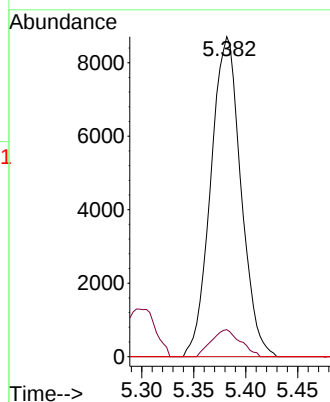
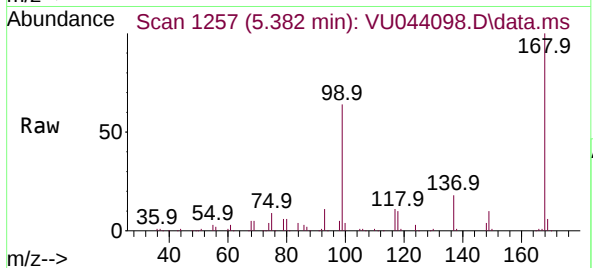


#36

1,1-Dichloropropene
Concen: 3.935 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Instrument :
MSVOA_U
ClientSampled :

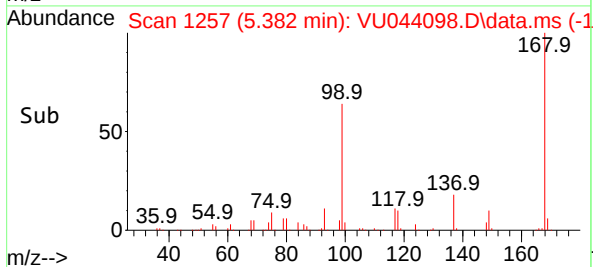
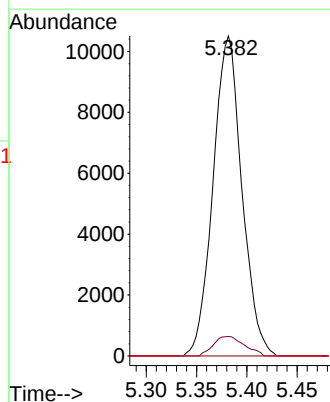
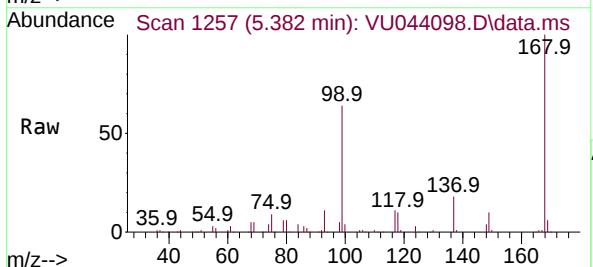
Tgt Ion: 75 Resp: 17564
Ion Ratio Lower Upper
75 100
110 8.1 15.9 47.7#
77 0.0 25.0 37.4#

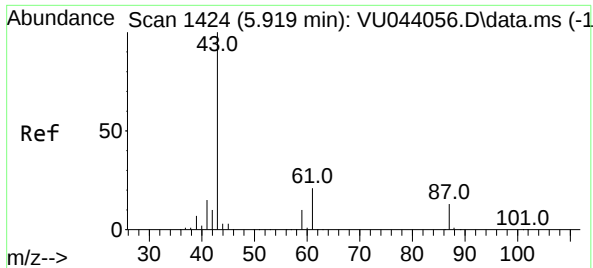


#38

Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

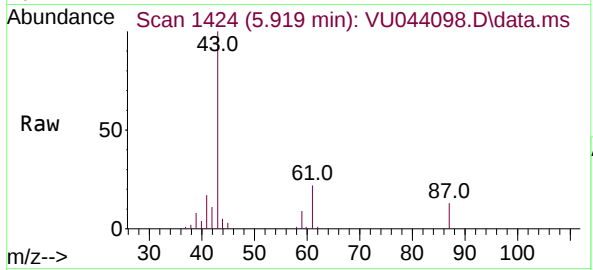
Tgt Ion: 117 Resp: 20933
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 24.5 36.7#



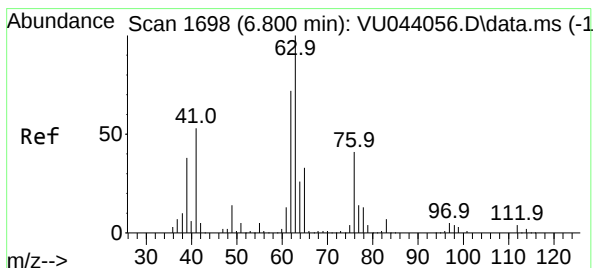
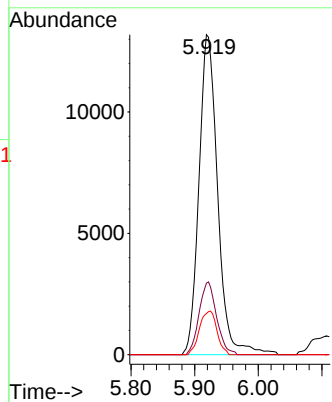
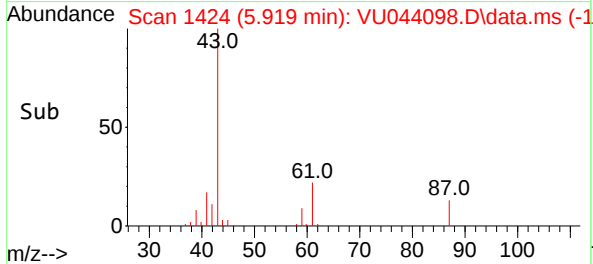


#43
Isopropyl Acetate
Concen: 3.389 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

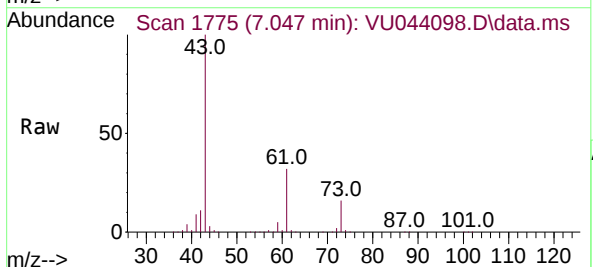
Instrument :
MSVOA_U
ClientSampled :



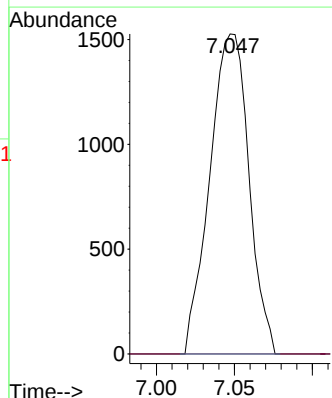
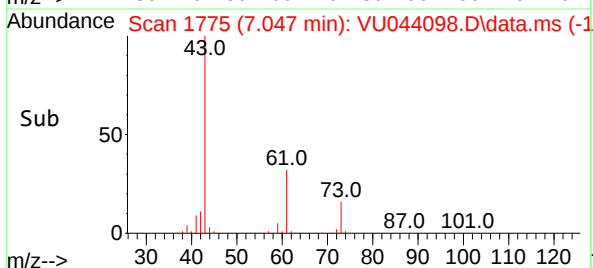
Tgt Ion:	43	Resp:	26945
Ion Ratio	Lower	Upper	
43	100		
61	21.2	16.8	25.2
87	12.7	10.2	15.2

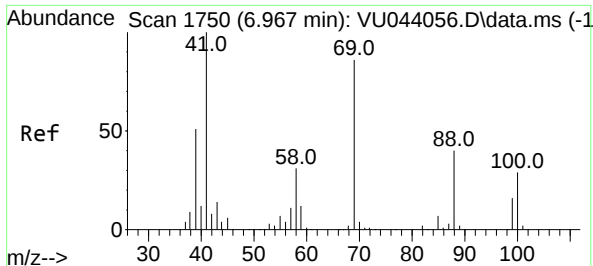


#45
1,2-Dichloropropane
Concen: 0.726 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23



Tgt Ion:	63	Resp:	2666
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5





#48

Methyl methacrylate

Concen: 2.491 ug/l

RT: 6.902 min Scan# 1730

Delta R.T. -0.065 min

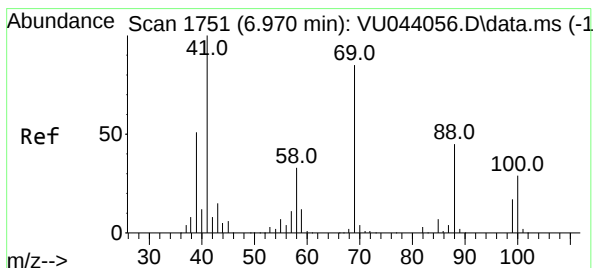
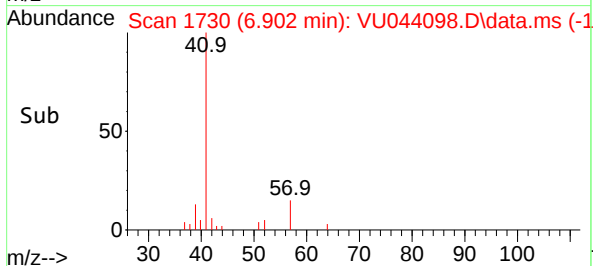
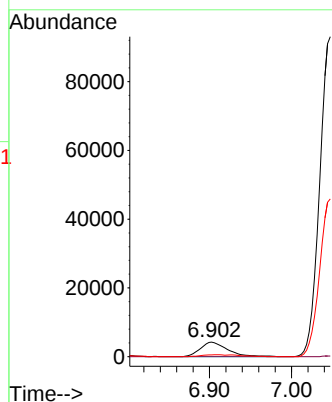
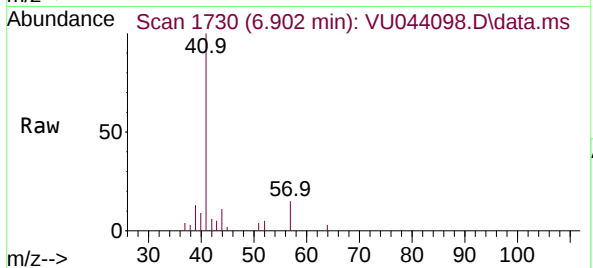
Lab File: VU044098.D

Acq: 08 Jun 2021 08:23

Tgt Ion: 41 Resp: 9765

Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.9	103.3#
39	0.0	40.6	60.8#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: 1.743 ug/l

RT: 7.047 min Scan# 1775

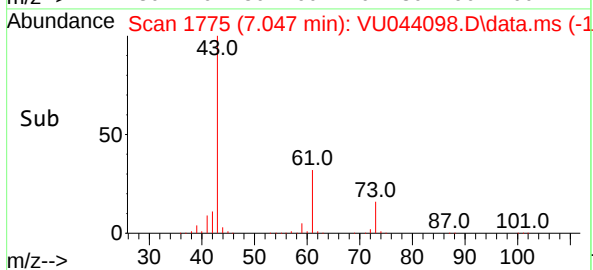
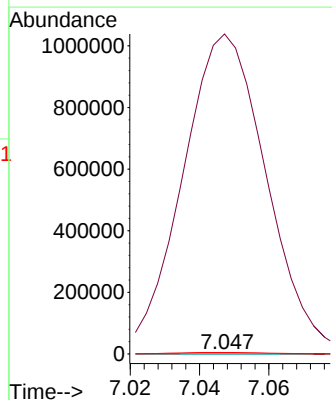
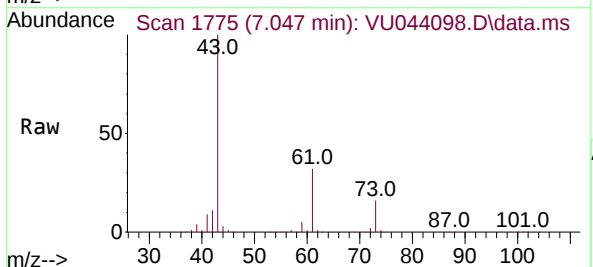
Delta R.T. 0.077 min

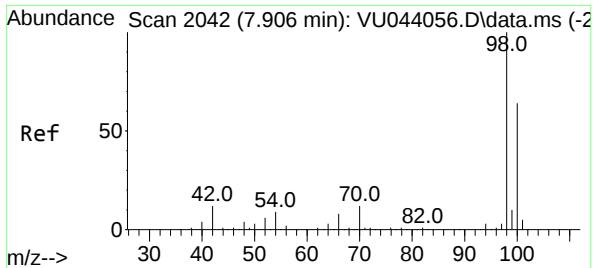
Lab File: VU044098.D

Acq: 08 Jun 2021 08:23

Tgt Ion: 88 Resp: 168

Ion	Ratio	Lower	Upper
88	100		
43	1059421.4	25.0	37.4#
58	5783.9	60.0	90.0#

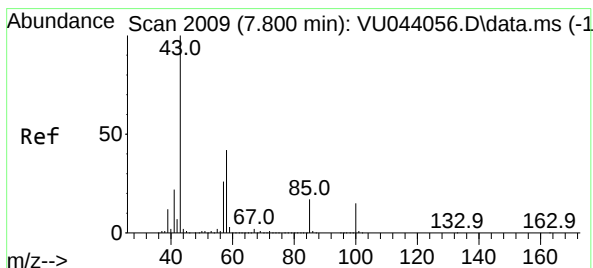
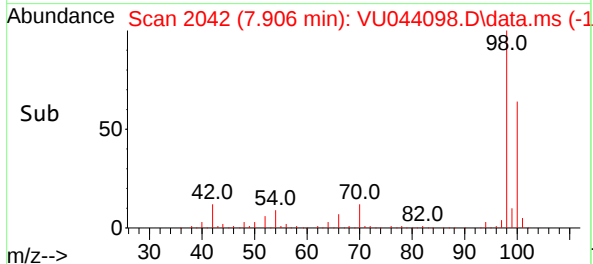
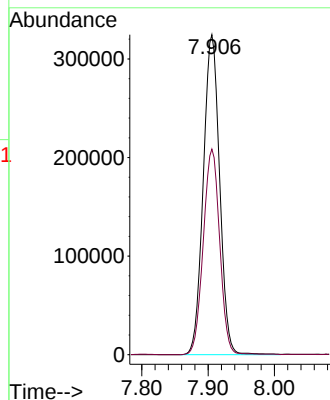
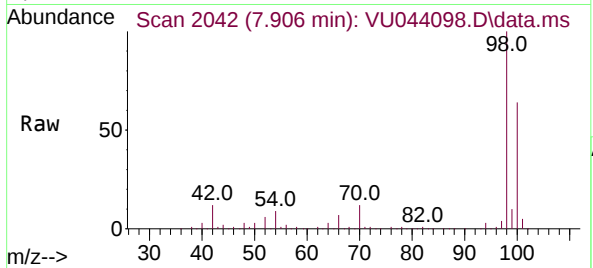




#50
Toluene-d8
Concen: 50.922 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

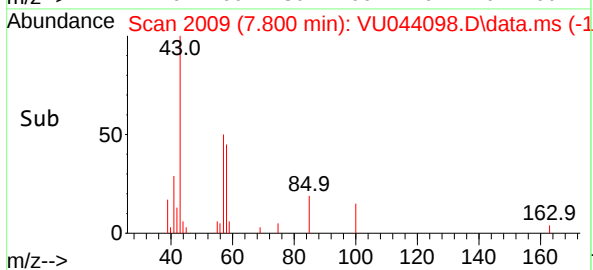
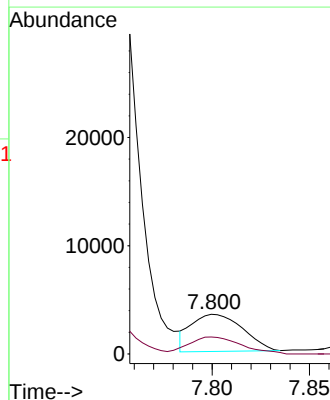
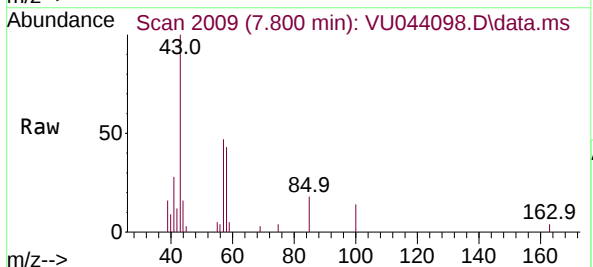
Instrument :
MSVOA_U
ClientSampled :

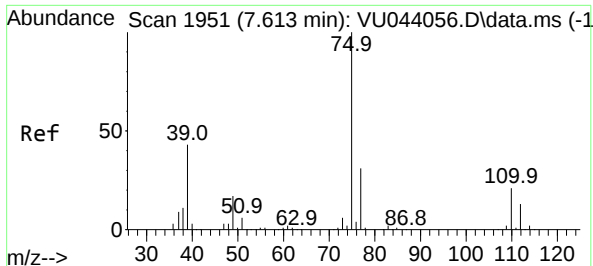
Tgt Ion: 98 Resp: 555290
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.068 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 43 Resp: 6305
Ion Ratio Lower Upper
43 100
58 46.6 33.3 49.9



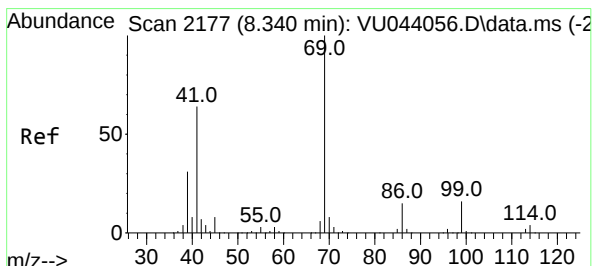
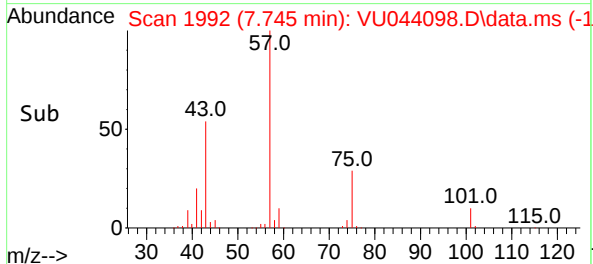
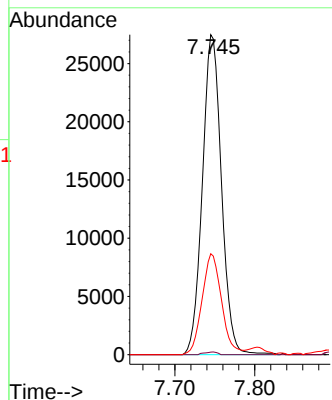
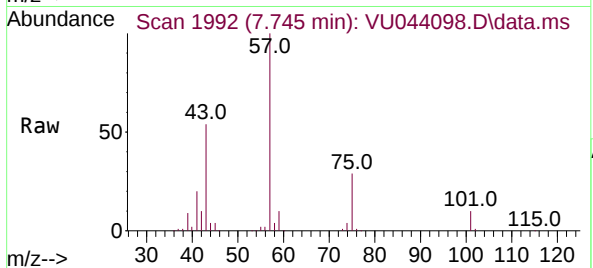


#54

cis-1,3-Dichloropropene
Concen: 8.370 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Instrument :
MSVOA_U
ClientSampled :

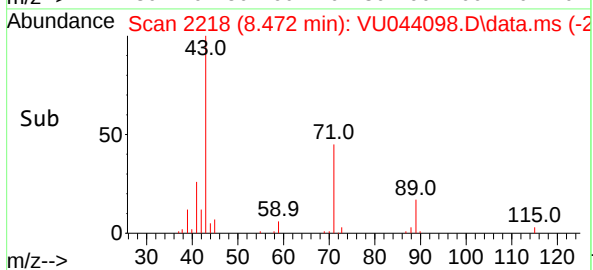
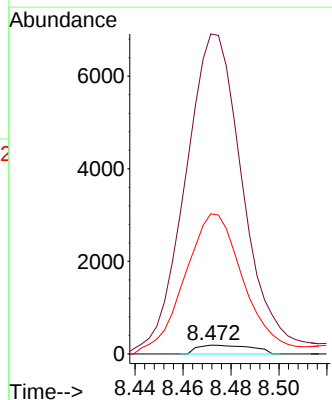
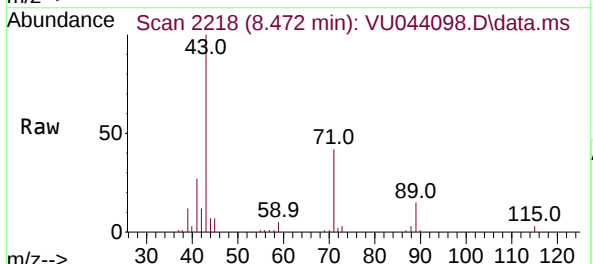
Tgt Ion: 75 Resp: 45686
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 31.6 34.7 52.1#

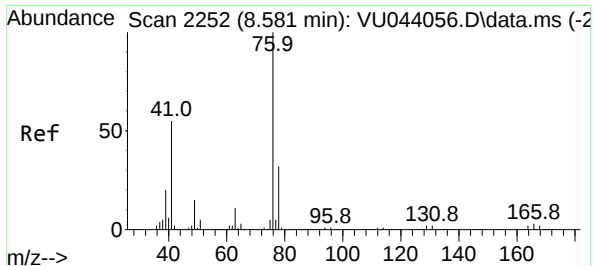


#56

Ethyl methacrylate
Concen: 3.433 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.132 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 69 Resp: 301
Ion Ratio Lower Upper
69 100
41 3871.4 51.4 77.0#
39 1728.9 24.9 37.3#



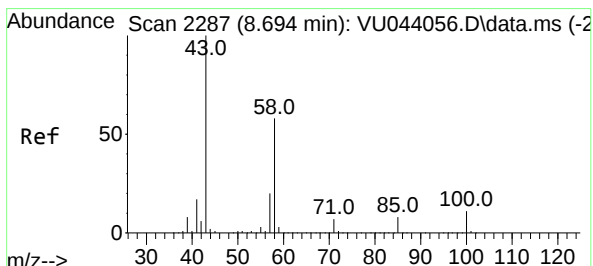
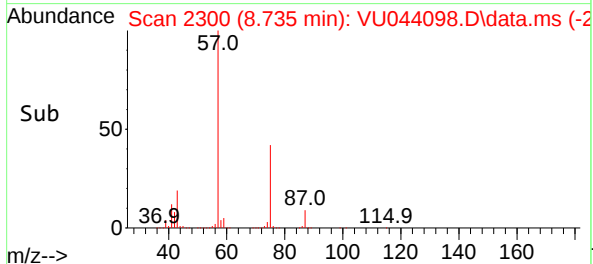
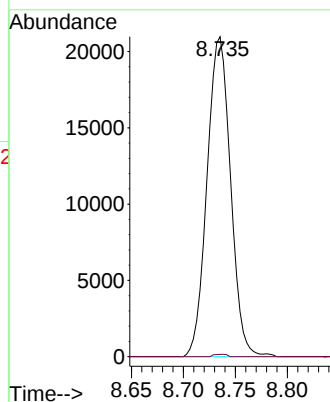
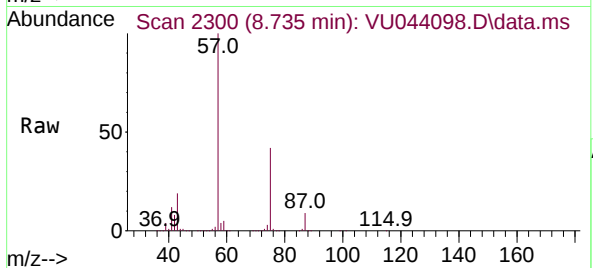


#57

1,3-Dichloropropane
Concen: 5.494 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Instrument :
MSVOA_U
ClientSampled :

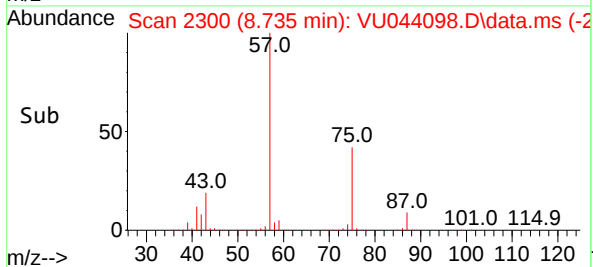
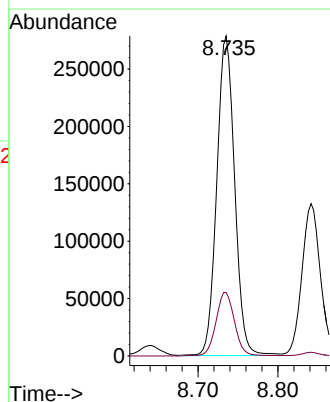
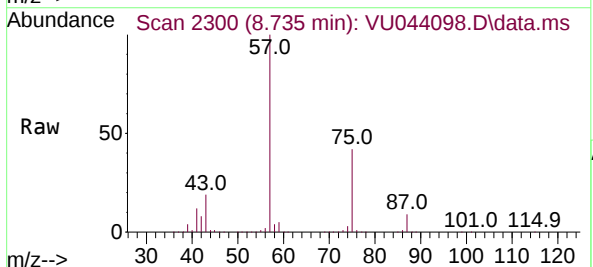
Tgt Ion: 76 Resp: 33020
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#

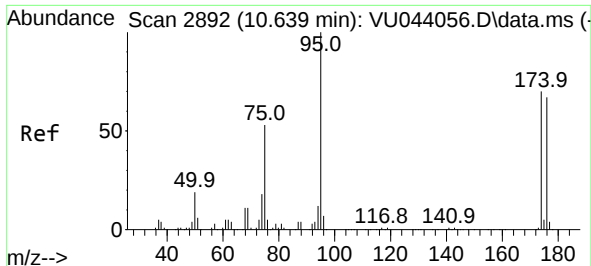


#59

2-Hexanone
Concen: 94.166 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 43 Resp: 432065
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#

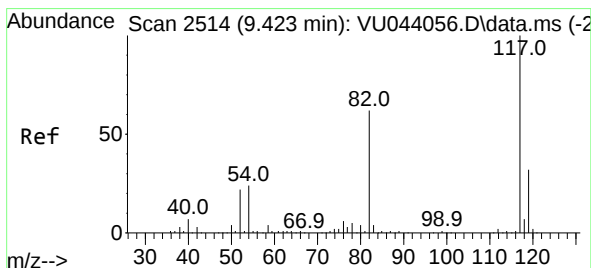
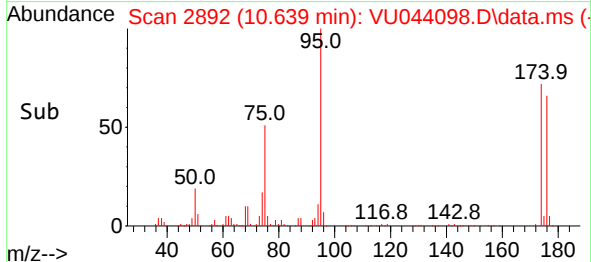
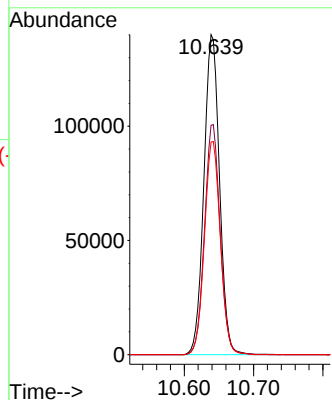
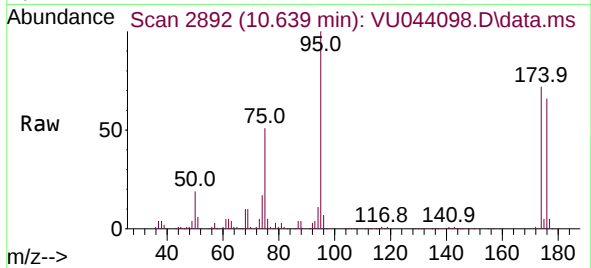




#62
4-Bromofluorobenzene
Concen: 50.750 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

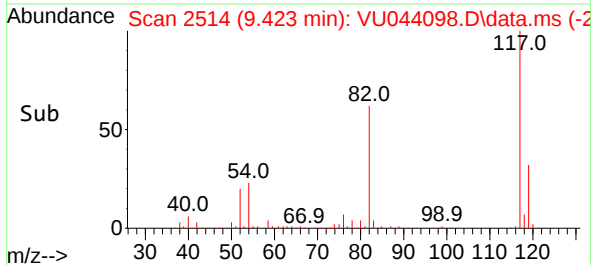
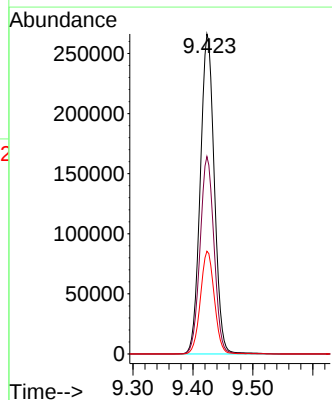
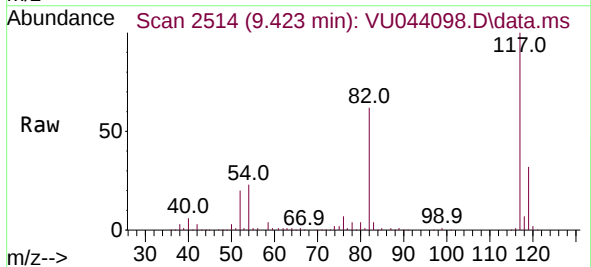
Instrument :
MSVOA_U
ClientSampled :

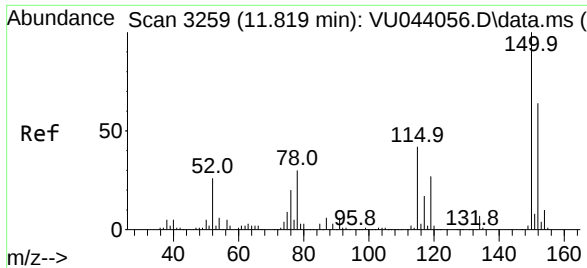
Tgt Ion: 95 Resp: 219106
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.0
176 67.7 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Tgt Ion: 117 Resp: 434272
Ion Ratio Lower Upper
117 100
82 61.7 50.0 75.0
119 32.1 25.9 38.9

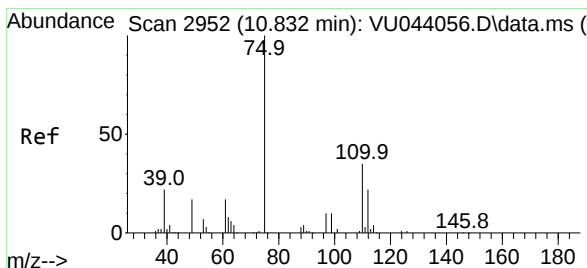
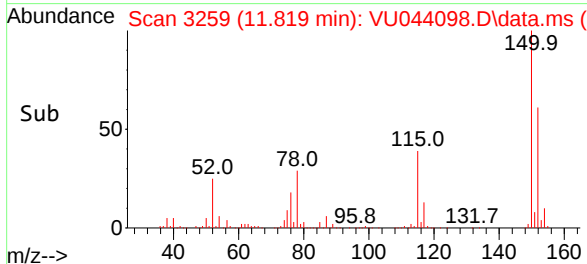
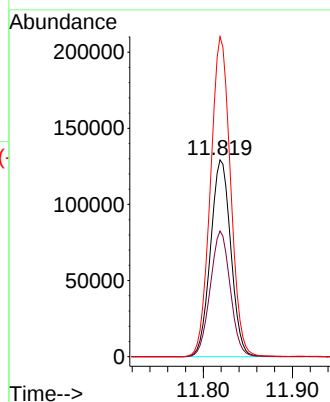
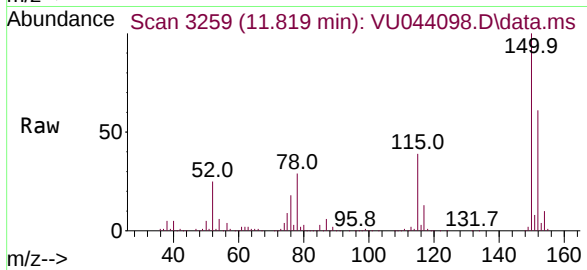




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044098.D
 Acq: 08 Jun 2021 08:23

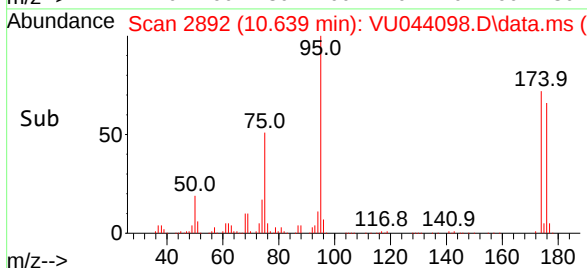
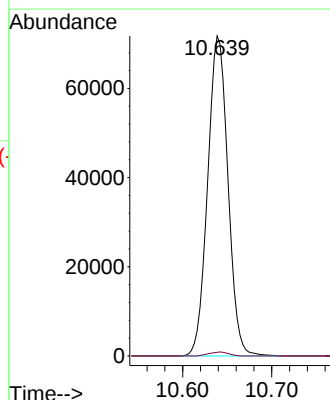
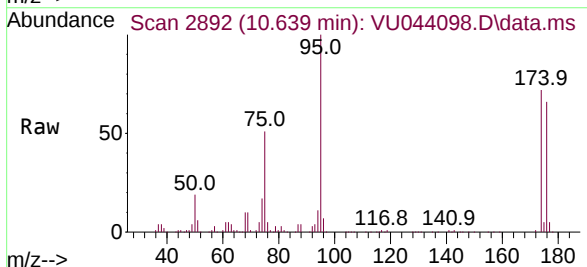
Instrument :
 MSVOA_U
 ClientSampled :

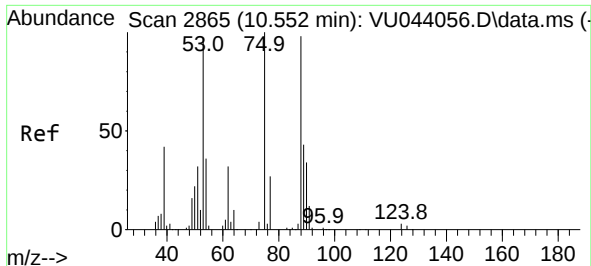
Tgt Ion:152 Resp: 204253
 Ion Ratio Lower Upper
 152 100
 115 62.9 44.6 134.0
 150 160.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.828 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044098.D
 Acq: 08 Jun 2021 08:23

Tgt Ion: 75 Resp: 113296
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

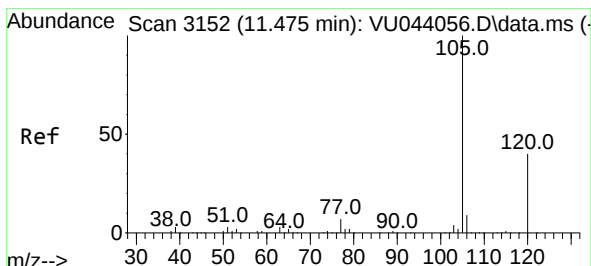
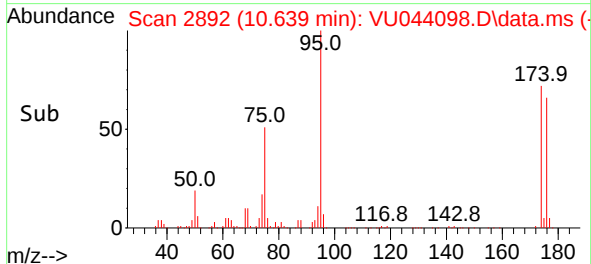
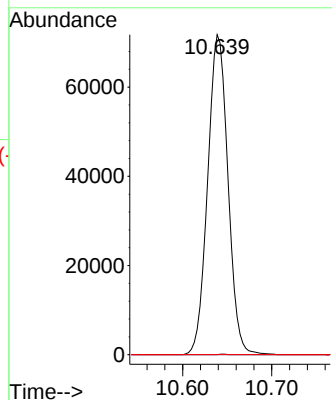
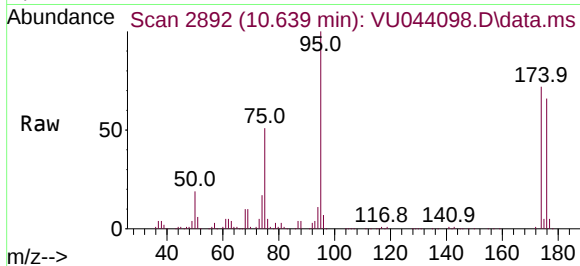




#81
trans-1,4-Dichloro-2-butene
Concen: 57.899 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

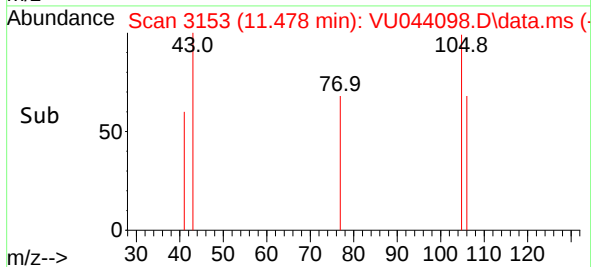
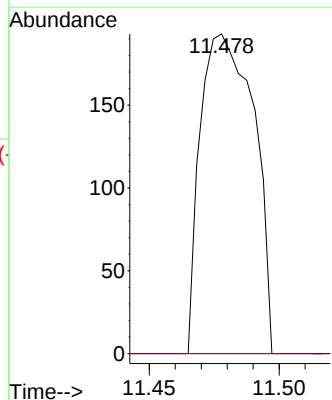
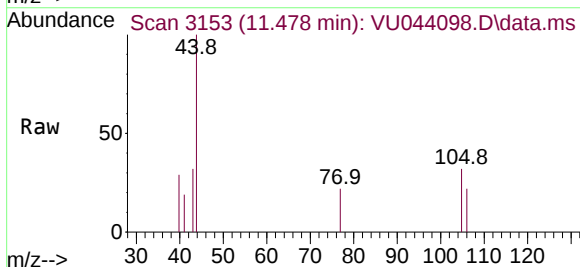
Instrument :
MSVOA_U
ClientSampled :

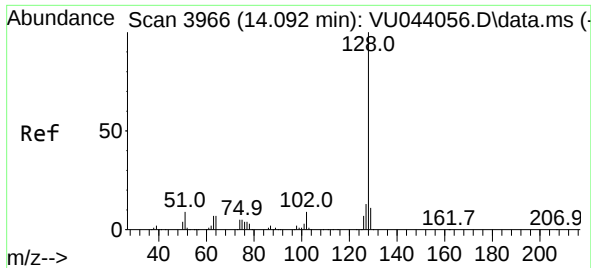
Tgt Ion: 75 Resp: 113296
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.969 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

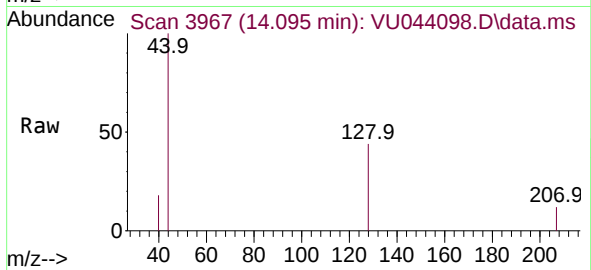
Tgt Ion: 105 Resp: 276
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.896 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044098.D
Acq: 08 Jun 2021 08:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	750
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

