

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044097.D
 Acq On : 08 Jun 2021 08:00
 Operator : SY/MD
 Sample : M2613-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 08:40:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 05:21:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

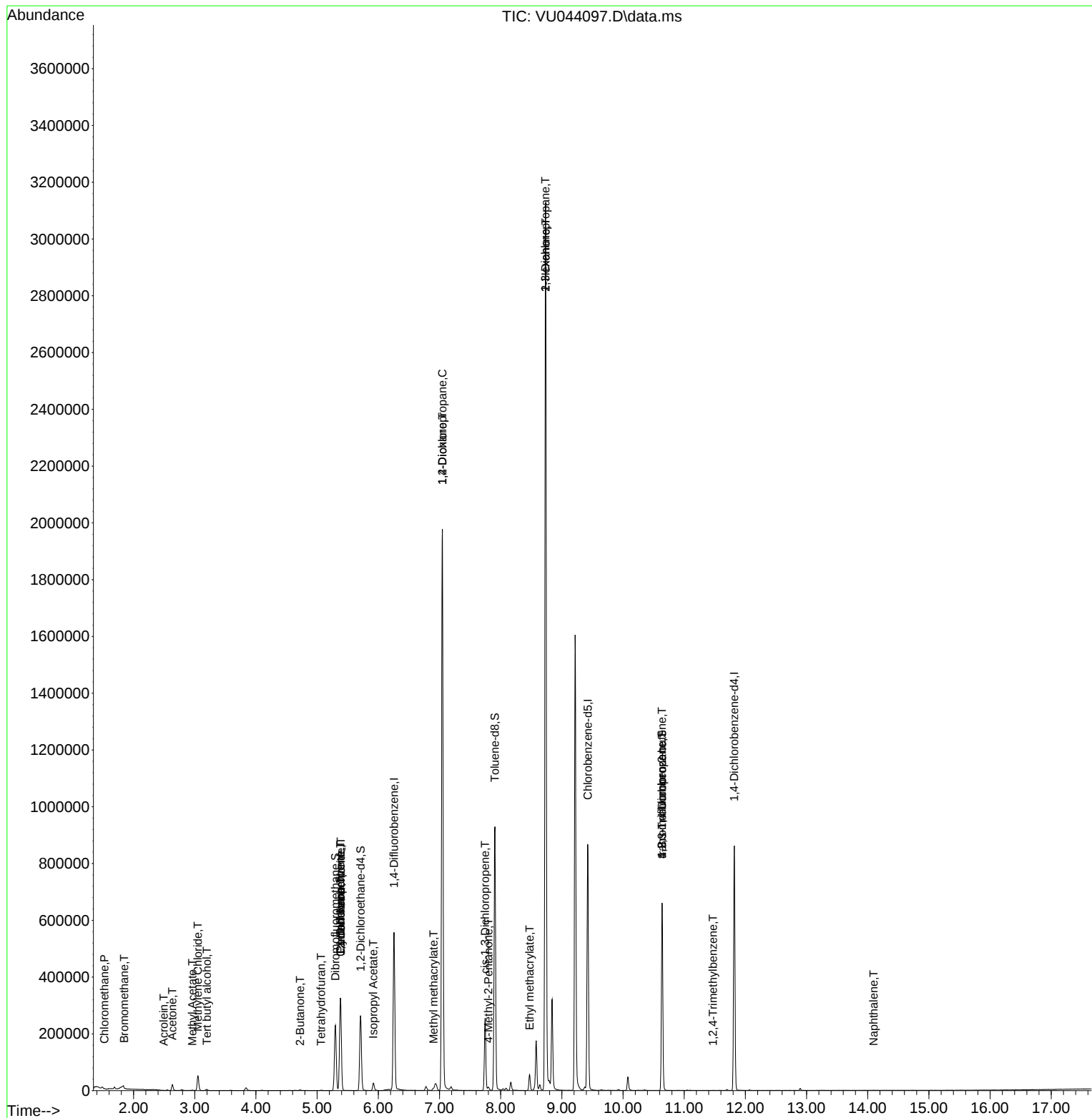
Internal Standards						
1) Pentafluorobenzene	5.382	168	212068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	424821	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	451381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	211661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	193879	52.495	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.980%	
35) Dibromofluoromethane	5.298	113	148759	49.069	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.140%	
50) Toluene-d8	7.906	98	589617	50.422	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.840%	
62) 4-Bromofluorobenzene	10.639	95	224719	48.539	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.080%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	907	0.207	ug/l #	88
5) Bromomethane	1.845	94	499	0.307	ug/l #	65
11) Tert butyl alcohol	3.199	59	2908	3.176	ug/l #	72
13) Acrolein	2.494	56	204	0.283	ug/l	94
16) Acetone	2.636	43	22989	10.785	ug/l	98
18) Methyl Acetate	2.961	43	2314	0.492	ug/l #	87
20) Methylene Chloride	3.051	84	24604	6.208	ug/l	96
25) 2-Butanone	4.723	43	3957	1.301	ug/l	90
29) Tetrahydrofuran	5.067	42	999	0.592	ug/l #	70
31) Cyclohexane	5.382	56	5042	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	19734	4.123	ug/l #	49
38) Carbon Tetrachloride	5.385	117	23677	5.475	ug/l #	17
43) Isopropyl Acetate	5.919	43	27417	3.216	ug/l	99
45) 1,2-Dichloropropane	7.047	63	2332	0.592	ug/l #	42
48) Methyl methacrylate	6.903	41	10118	2.407	ug/l #	14
49) 1,4-Dioxane	7.047	88	172	1.664	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	7661	1.210	ug/l	98
54) cis-1,3-Dichloropropene	7.745	75	44471	7.598	ug/l #	64
56) Ethyl methacrylate	8.472	69	187	3.413	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	31586	4.901	ug/l #	42
59) 2-Hexanone	8.735	43	417927	84.940	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	116809	19.728	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	116809	57.605	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.472	105	142	0.959	ug/l #	32
95) Naphthalene	14.095	128	985	2.910	ug/l #	69

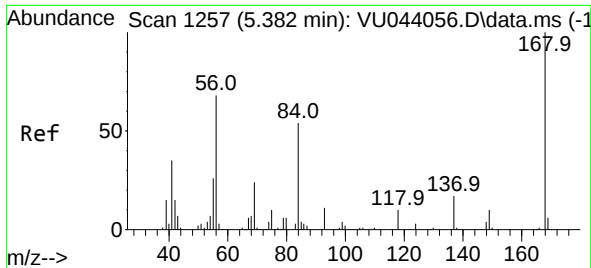
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 05:21:34 2021
Response via : Initial Calibration

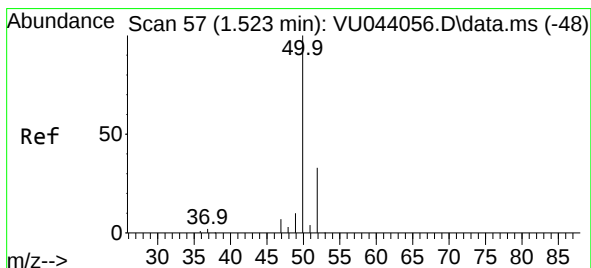
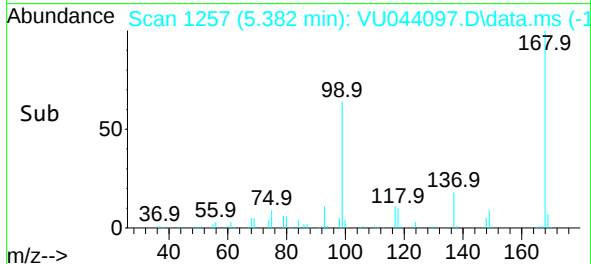
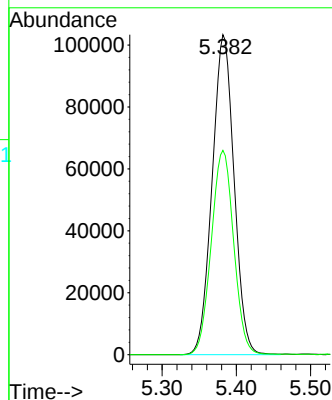
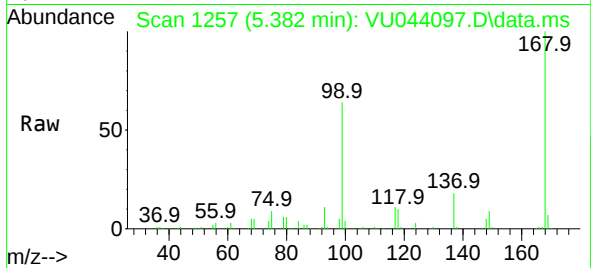




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

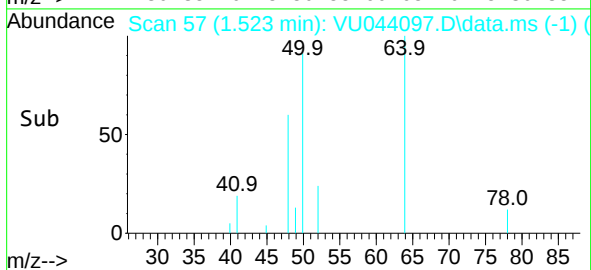
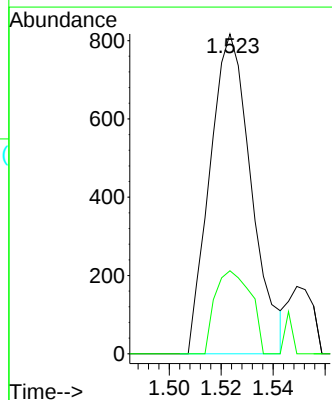
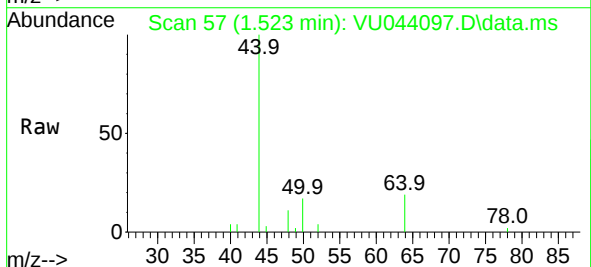
Instrument :
MSVOA_U
ClientSampled :

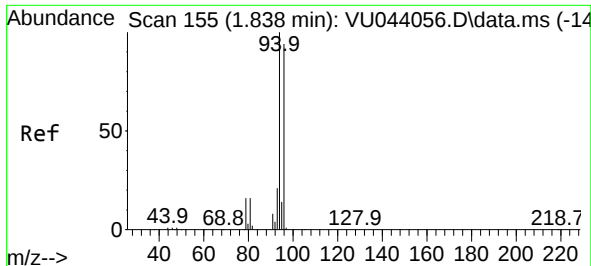
Tgt Ion:168 Resp: 212068
Ion Ratio Lower Upper
168 100
99 63.8 52.6 78.8



#3
Chloromethane
Concen: 0.207 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 50 Resp: 907
Ion Ratio Lower Upper
50 100
52 25.9 26.2 39.2#

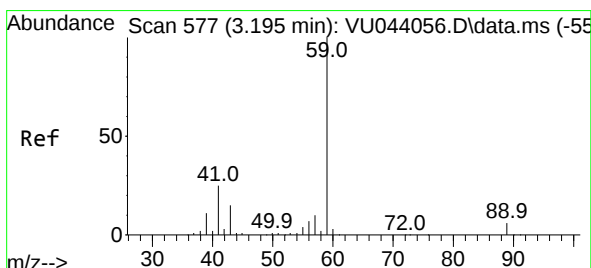
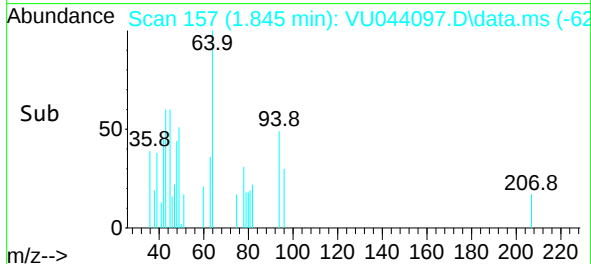
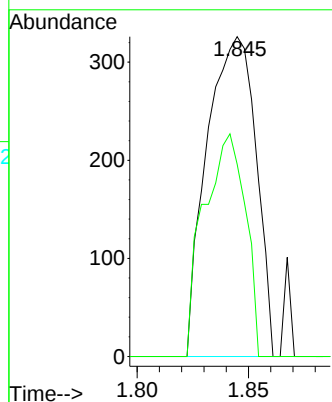
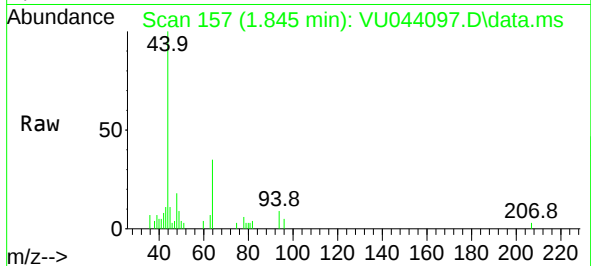




#5
Bromomethane
Concen: 0.307 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.007 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

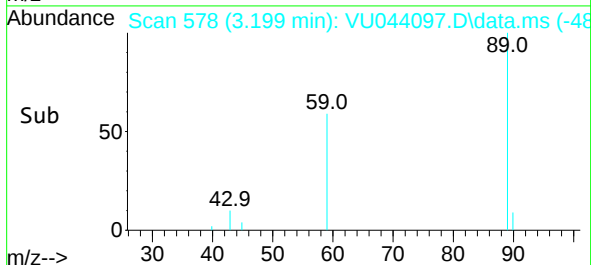
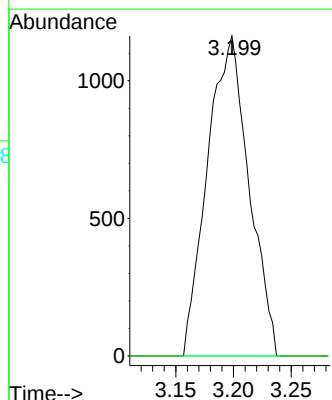
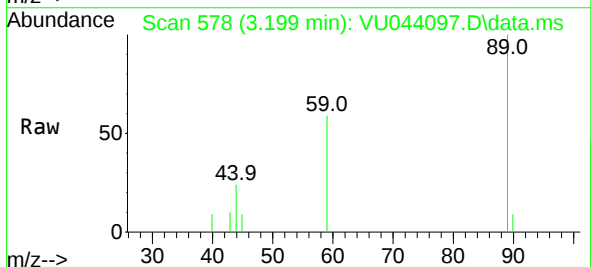
Instrument :
MSVOA_U
ClientSampled :

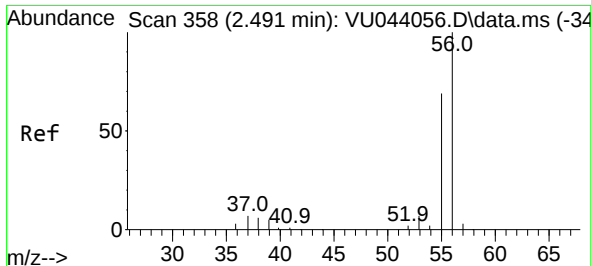
Tgt Ion: 94 Resp: 499
Ion Ratio Lower Upper
94 100
96 60.1 74.8 112.2#



#11
Tert butyl alcohol
Concen: 3.176 ug/l
RT: 3.199 min Scan# 578
Delta R.T. 0.003 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 59 Resp: 2908
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

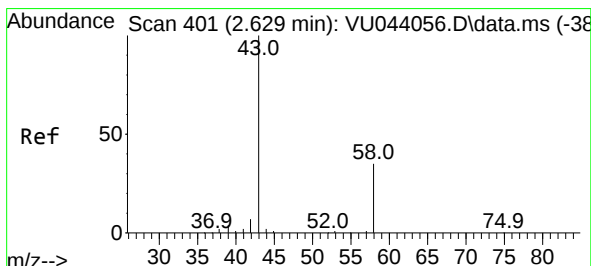
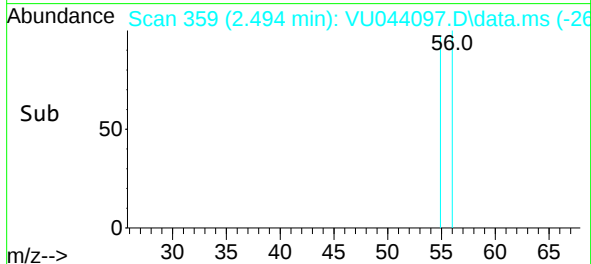
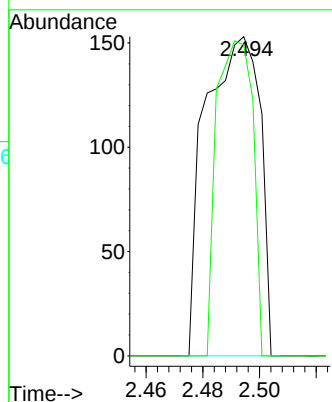
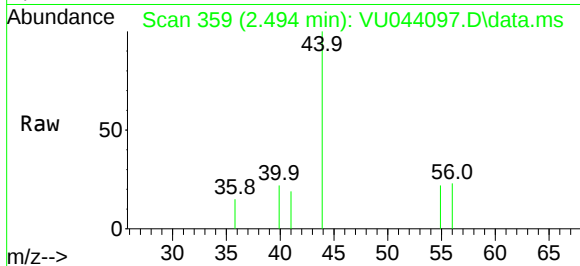




#13
Acrolein
Concen: 0.283 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.003 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

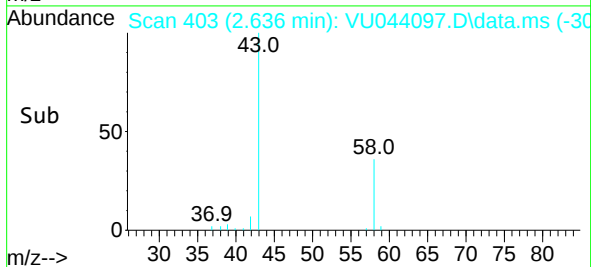
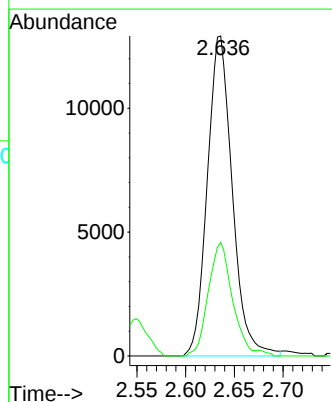
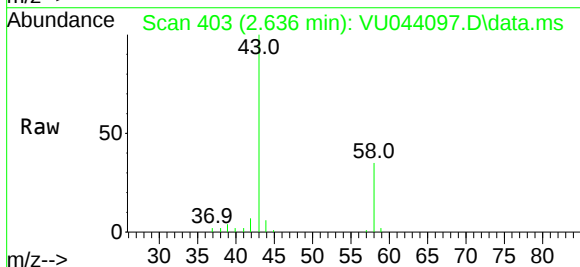
Instrument :
MSVOA_U
ClientSampled :

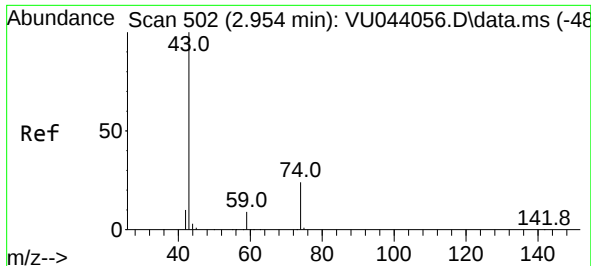
Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 65.2 56.1 84.1



#16
Acetone
Concen: 10.785 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

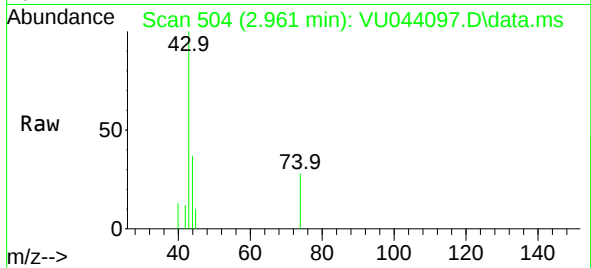
Tgt Ion: 43 Resp: 22989
Ion Ratio Lower Upper
43 100
58 35.5 27.7 41.5



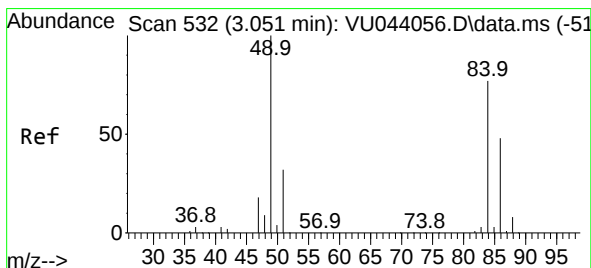
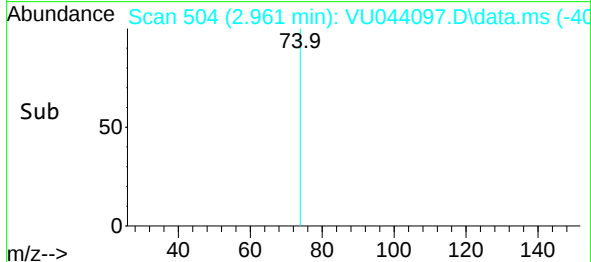
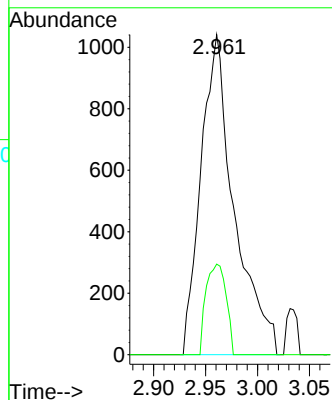


#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Instrument :
MSVOA_U
ClientSampled :

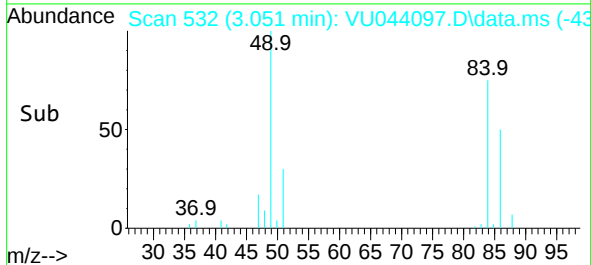
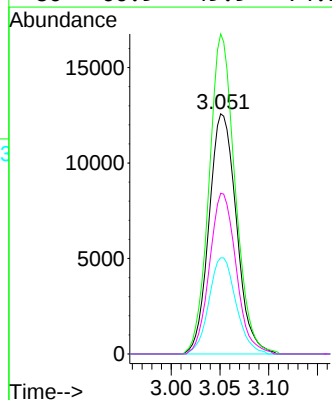
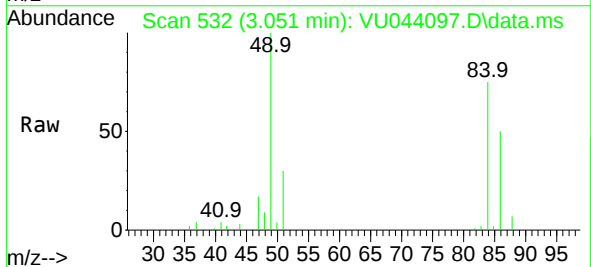


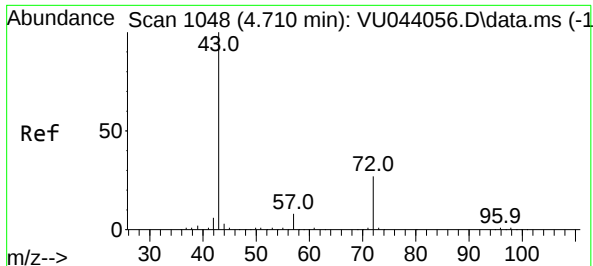
Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
74 17.0 18.7 28.1#



#20
Methylene Chloride
Concen: 6.208 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 84 Resp: 24604
Ion Ratio Lower Upper
84 100
49 133.2 103.6 155.4
51 40.0 32.8 49.2
86 66.9 49.9 74.9

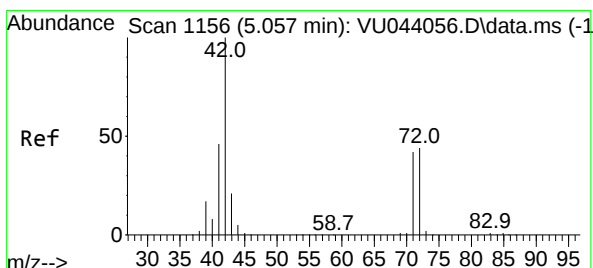
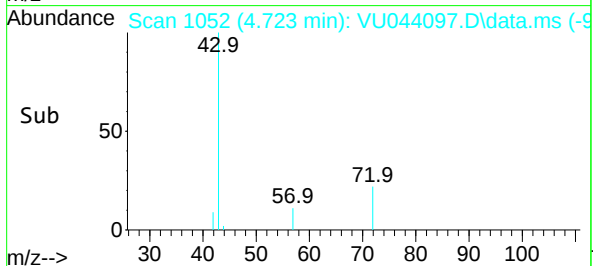
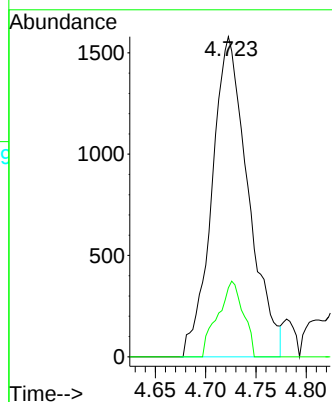
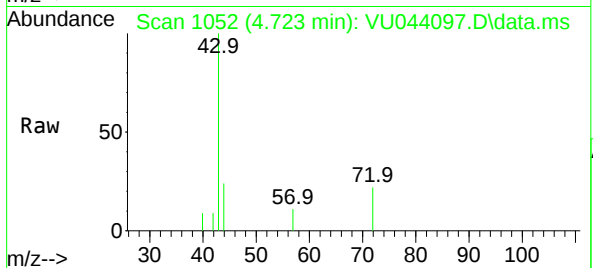




#25
2-Butanone
Concen: 1.301 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

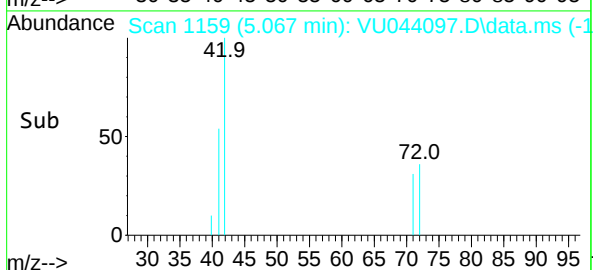
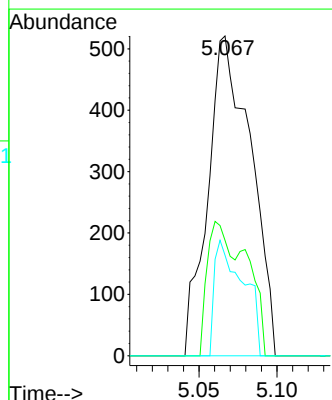
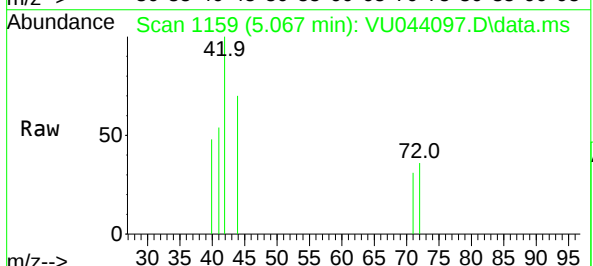
Instrument :
MSVOA_U
ClientSampled :

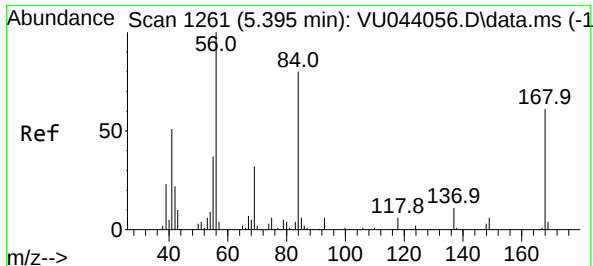
Tgt Ion: 43 Resp: 3957
Ion Ratio Lower Upper
43 100
72 21.5 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.592 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.010 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 42 Resp: 999
Ion Ratio Lower Upper
42 100
72 23.9 35.6 53.4#
71 24.1 33.3 49.9#





#31

Cyclohexane

Concen: 0.989 ug/l

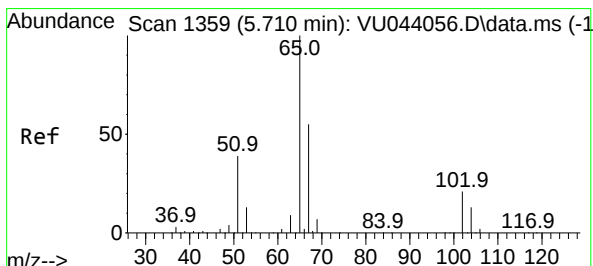
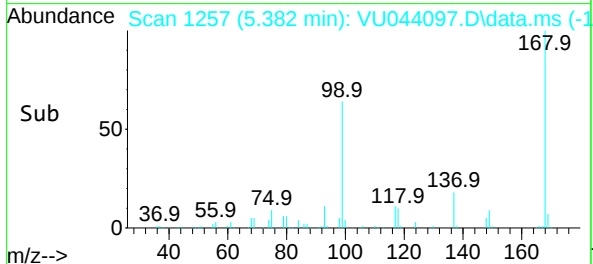
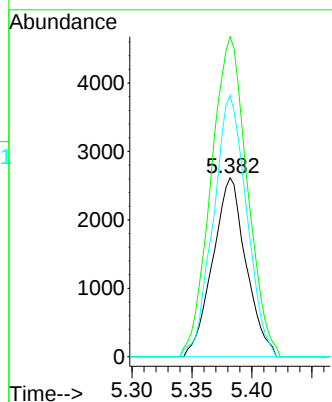
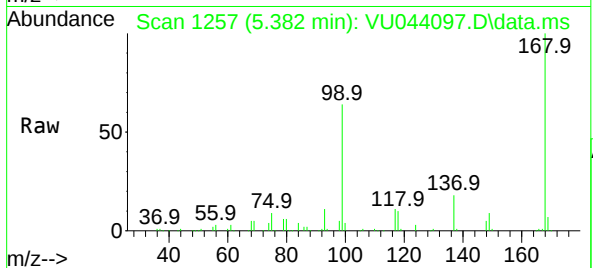
RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU044097.D

Acq: 08 Jun 2021 08:00

Tgt Ion:	56	Resp:	5042
Ion	Ratio	Lower	Upper
56	100		
69	178.9	25.4	38.2#
84	146.0	64.2	96.2#



#33

1,2-Dichloroethane-d4

Concen: 52.495 ug/l

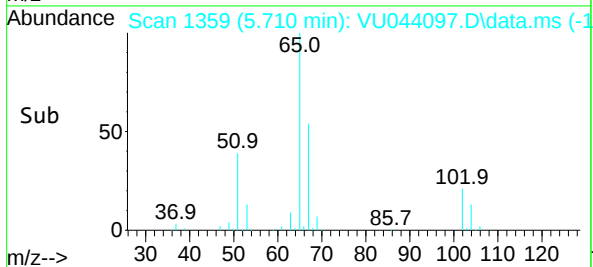
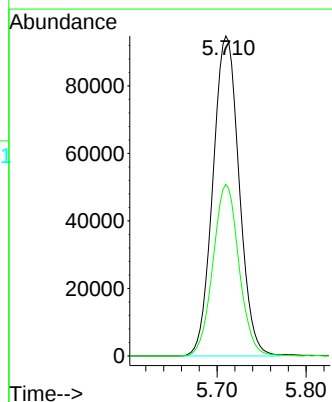
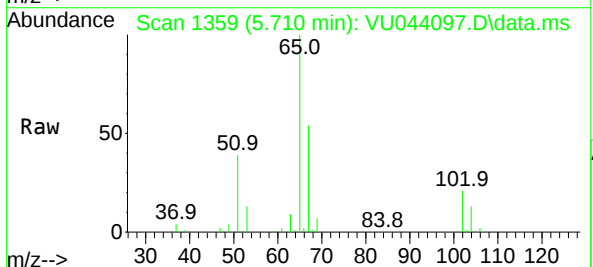
RT: 5.710 min Scan# 1359

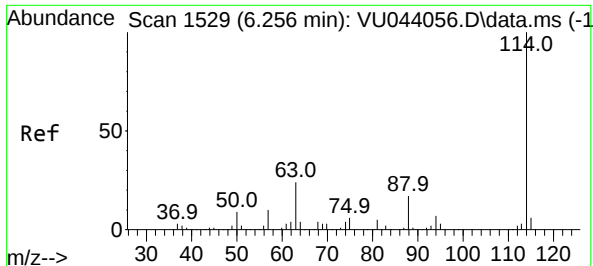
Delta R.T. 0.000 min

Lab File: VU044097.D

Acq: 08 Jun 2021 08:00

Tgt Ion:	65	Resp:	193879
Ion	Ratio	Lower	Upper
65	100		
67	53.2	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: VU044097.D

Acq: 08 Jun 2021 08:00

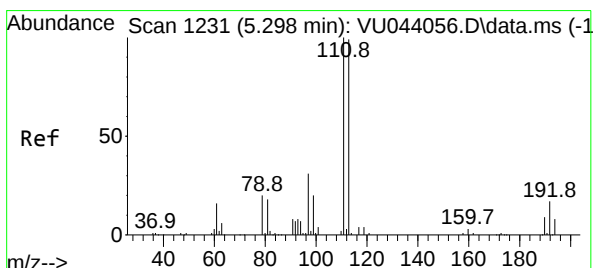
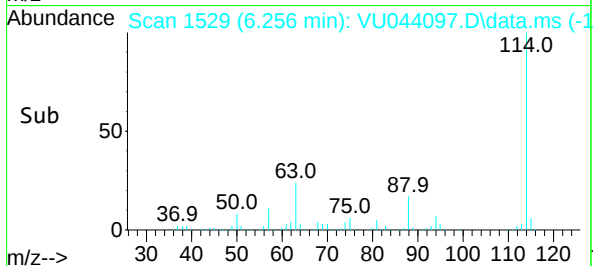
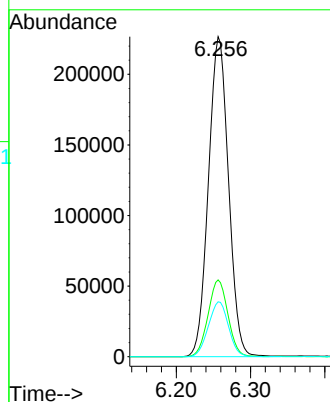
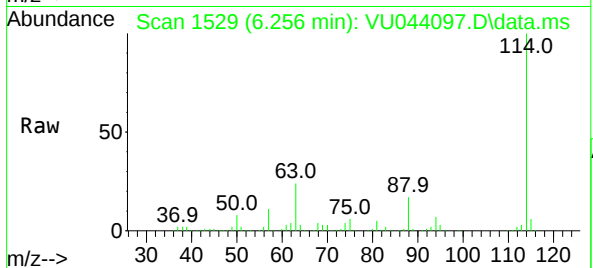
Tgt Ion:114 Resp: 424821

Ion Ratio Lower Upper

114 100

63 24.0 0.0 48.4

88 17.2 0.0 34.4



#35

Dibromofluoromethane

Concen: 49.069 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044097.D

Acq: 08 Jun 2021 08:00

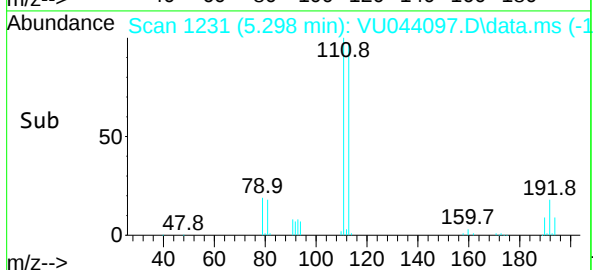
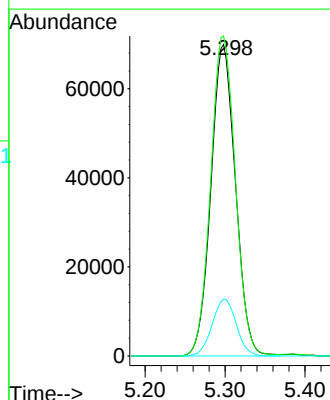
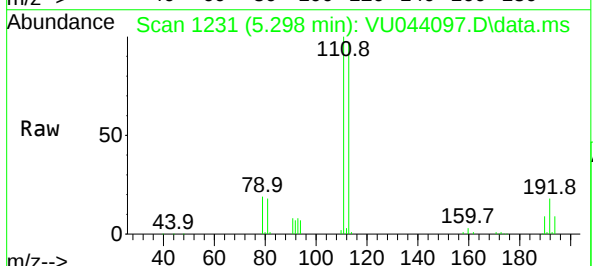
Tgt Ion:113 Resp: 148759

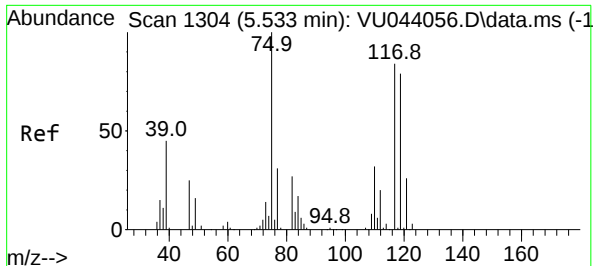
Ion Ratio Lower Upper

113 100

111 103.8 82.1 123.1

192 18.0 13.8 20.8

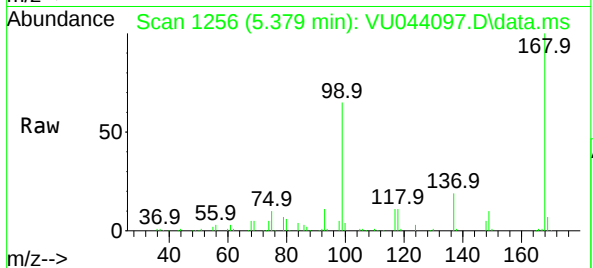




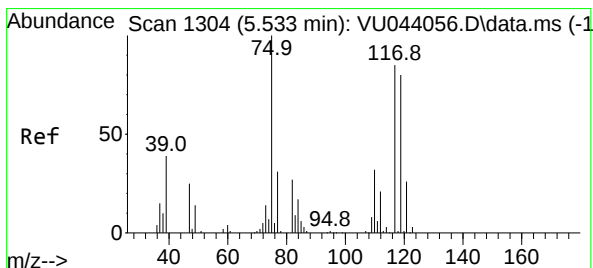
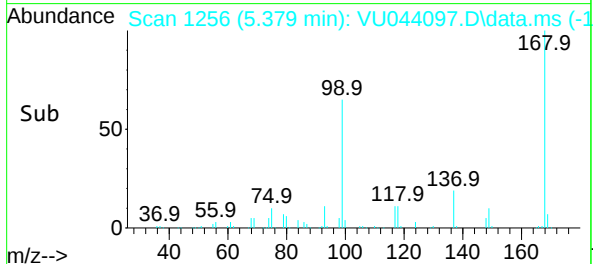
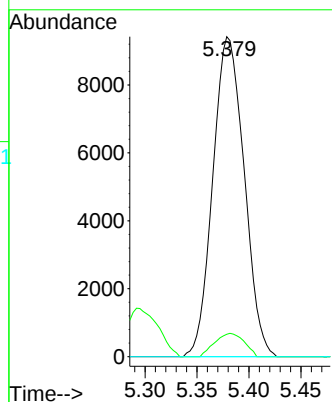
#36

1,1-Dichloropropene
Concen: 4.123 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Instrument :
MSVOA_U
ClientSampled :

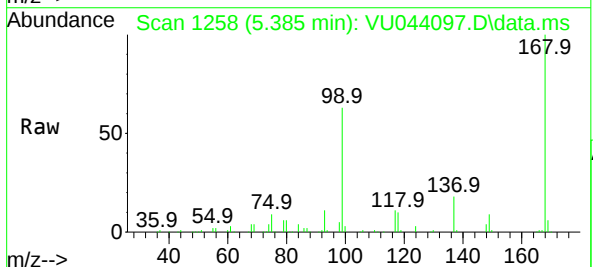


Tgt Ion:	75	Resp:	19734
Ion	Ratio	Lower	Upper
75	100		
110	6.9	15.9	47.7#
77	0.0	25.0	37.4#

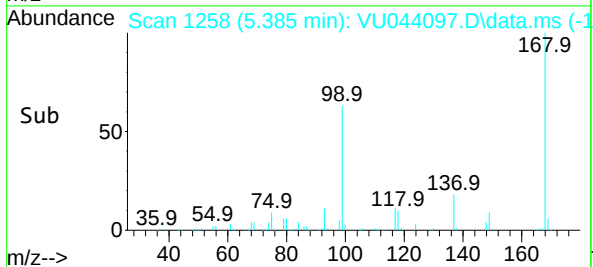
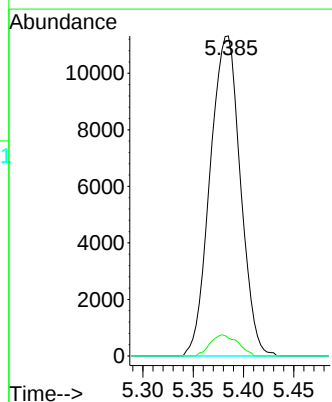


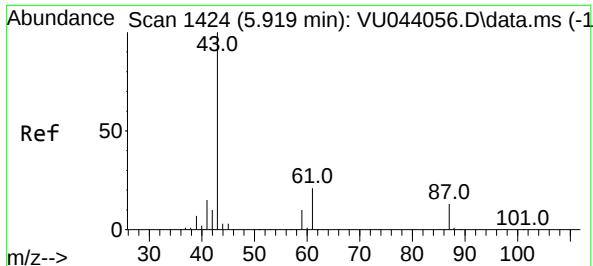
#38

Carbon Tetrachloride
Concen: 5.475 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00



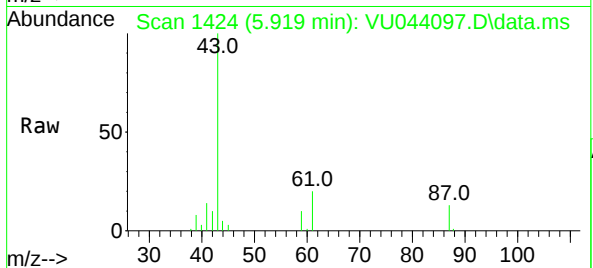
Tgt Ion:	117	Resp:	23677
Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.4	113.2#
121	0.0	24.5	36.7#



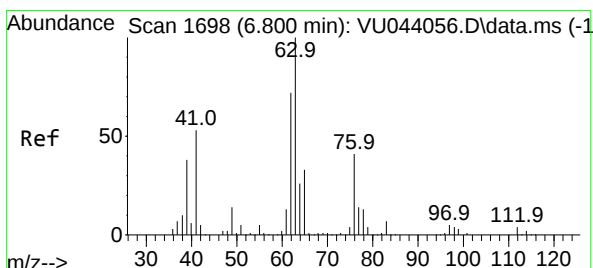
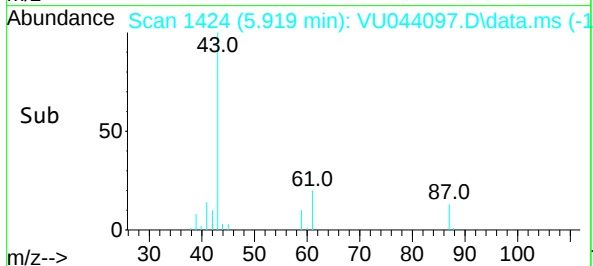
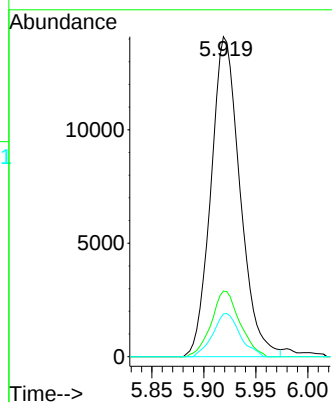


#43
Isopropyl Acetate
Concen: 3.216 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

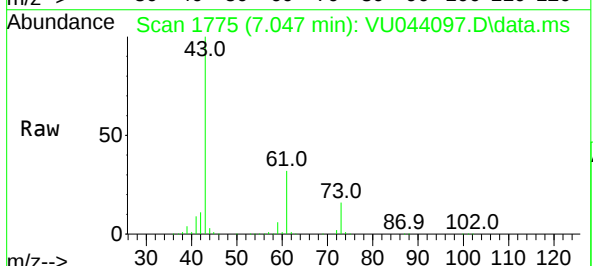
Instrument :
MSVOA_U
ClientSampled :



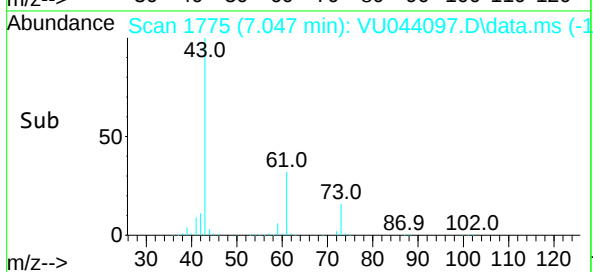
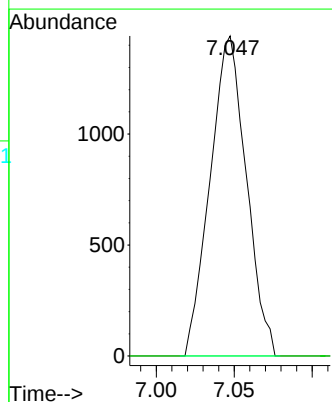
Tgt Ion:	43	Resp:	27417
Ion Ratio	Lower	Upper	
43	100		
61	20.1	16.8	25.2
87	12.6	10.2	15.2

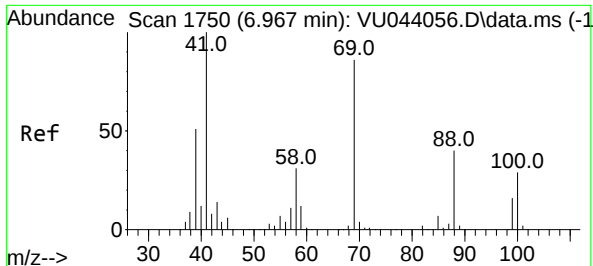


#45
1,2-Dichloropropane
Concen: 0.592 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.248 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00



Tgt Ion:	63	Resp:	2332
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5



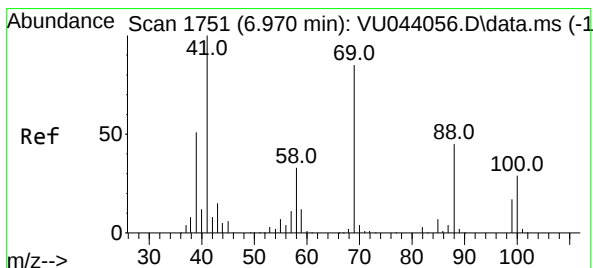
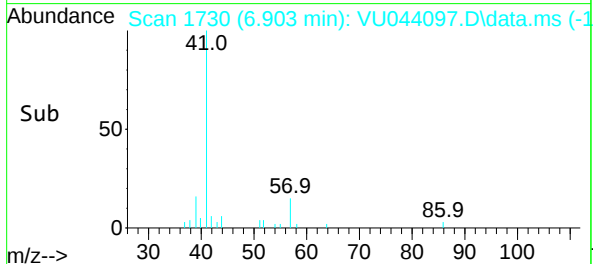
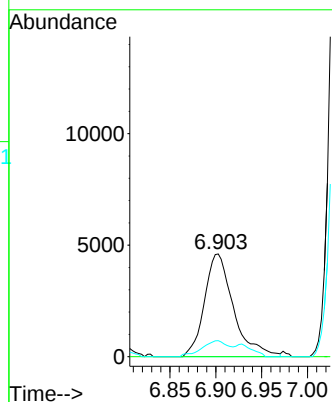
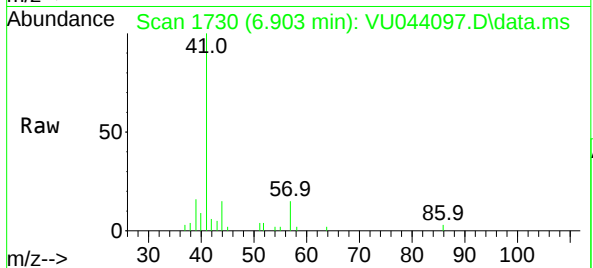


#48

Methyl methacrylate
 Concen: 2.407 ug/l
 RT: 6.903 min Scan# 1730
 Delta R.T. -0.064 min
 Lab File: VU044097.D
 Acq: 08 Jun 2021 08:00

Instrument :
 MSVOA_U
 ClientSampled :

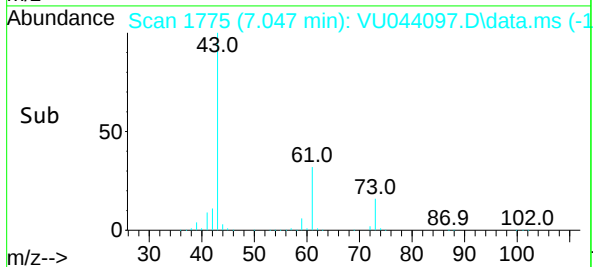
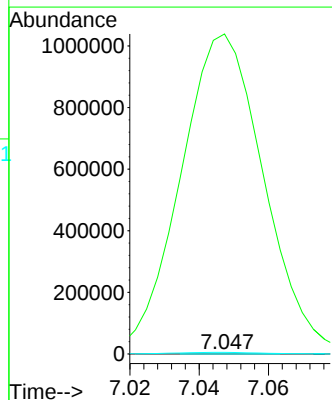
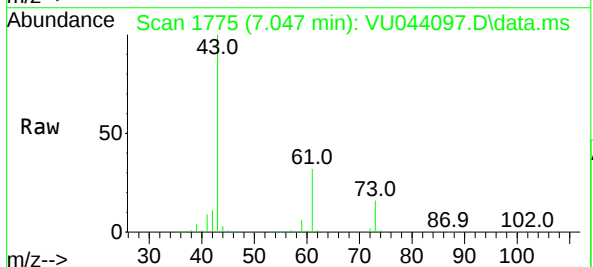
Tgt Ion: 41 Resp: 10118
 Ion Ratio Lower Upper
 41 100
 69 0.0 68.9 103.3#
 39 0.0 40.6 60.8#

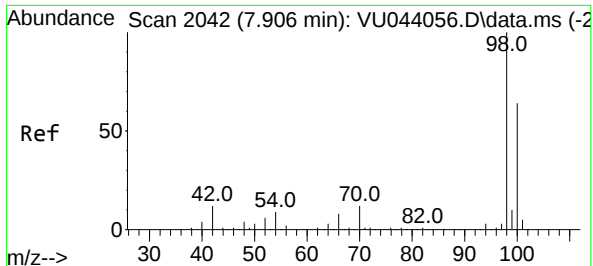


#49

1,4-Dioxane
 Concen: 1.664 ug/l
 RT: 7.047 min Scan# 1775
 Delta R.T. 0.077 min
 Lab File: VU044097.D
 Acq: 08 Jun 2021 08:00

Tgt Ion: 88 Resp: 172
 Ion Ratio Lower Upper
 88 100
 43 1028870.9 25.0 37.4#
 58 5559.3 60.0 90.0#

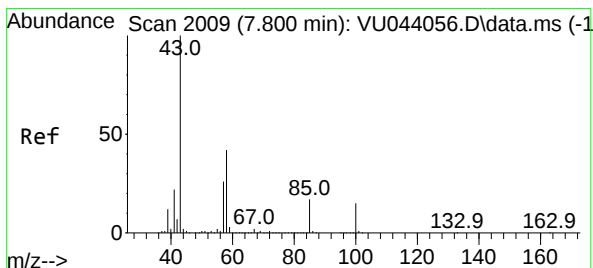
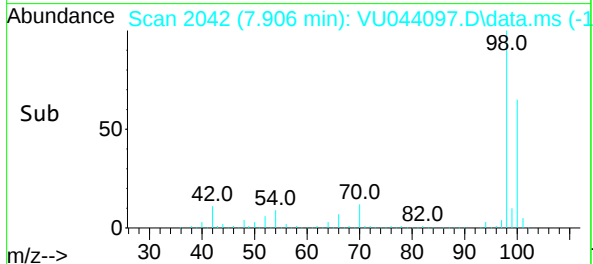
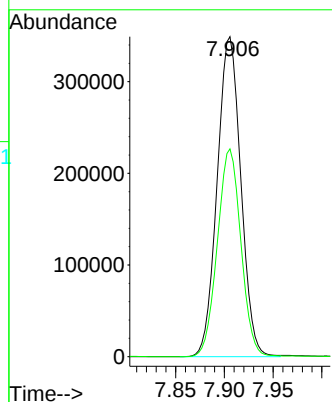
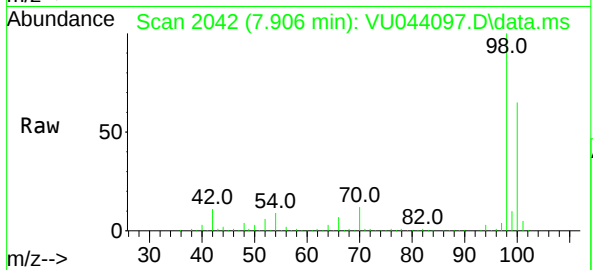




#50
Toluene-d8
Concen: 50.422 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

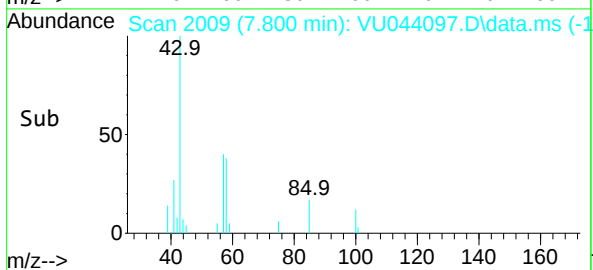
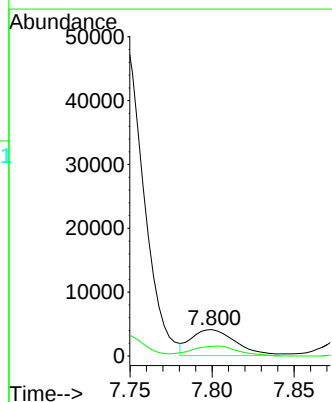
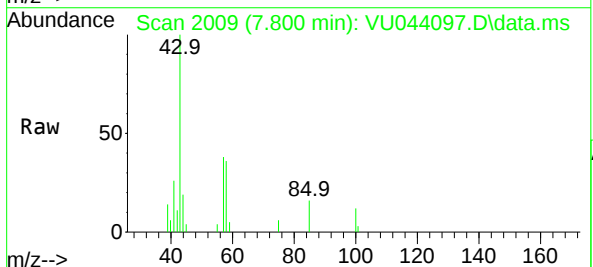
Instrument :
MSVOA_U
ClientSampled :

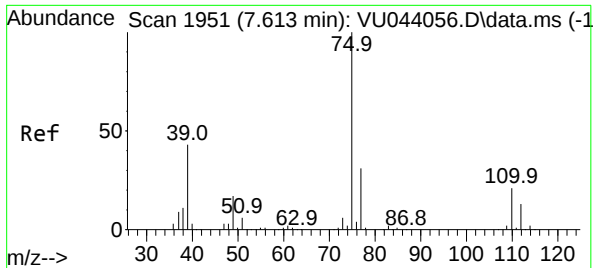
Tgt Ion: 98 Resp: 589617
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.210 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 43 Resp: 7661
Ion Ratio Lower Upper
43 100
58 40.2 33.3 49.9

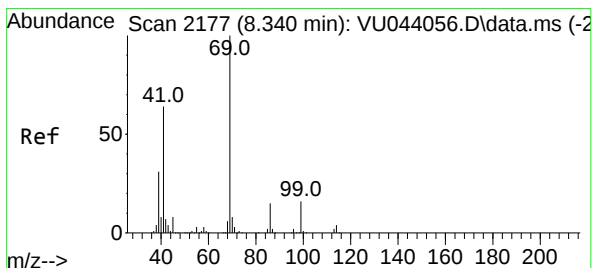
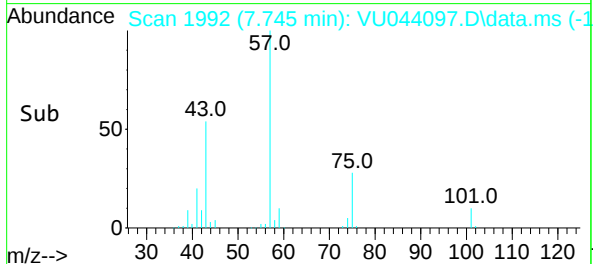
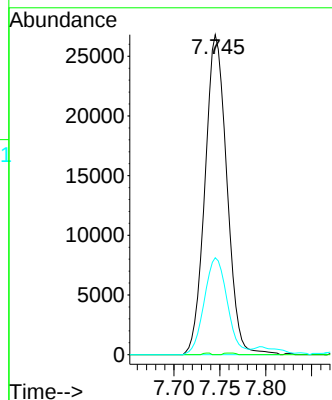
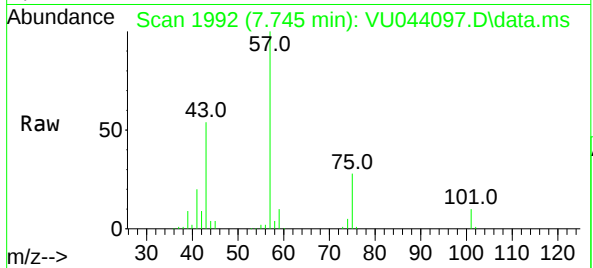




#54
 cis-1,3-Dichloropropene
 Concen: 7.598 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044097.D
 Acq: 08 Jun 2021 08:00

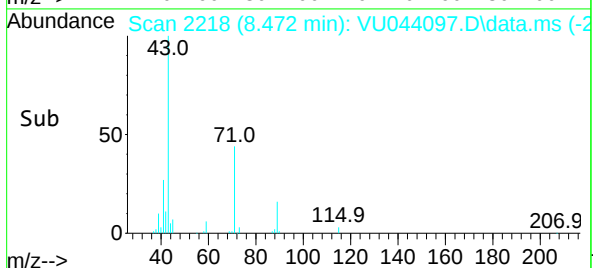
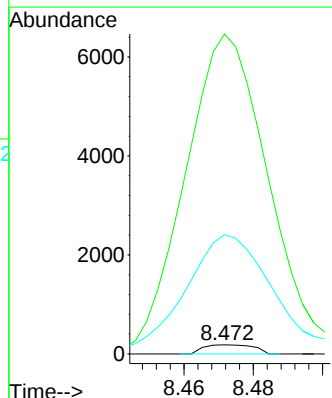
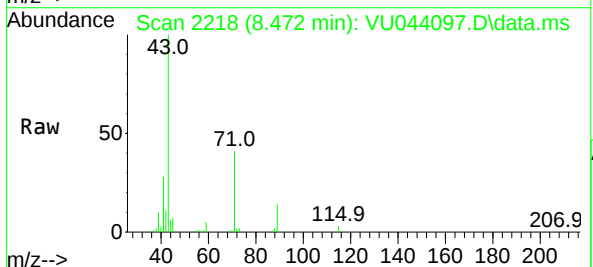
Instrument :
 MSVOA_U
 ClientSampleId :

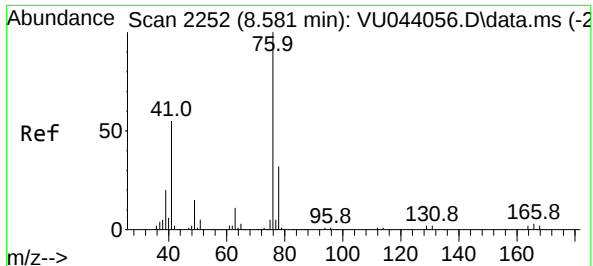
Tgt Ion: 75 Resp: 44471
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 30.3 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.413 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU044097.D
 Acq: 08 Jun 2021 08:00

Tgt Ion: 69 Resp: 187
 Ion Ratio Lower Upper
 69 100
 41 5806.4 51.4 77.0#
 39 2384.5 24.9 37.3#



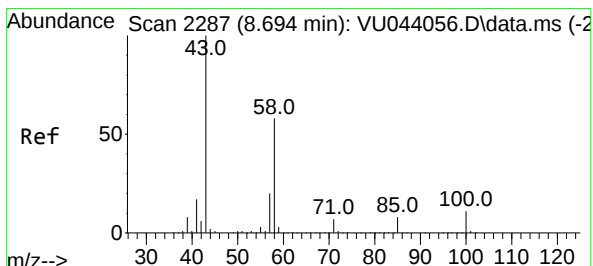
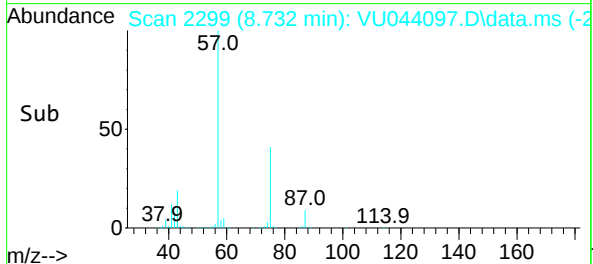
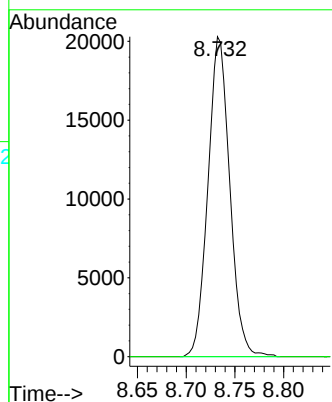
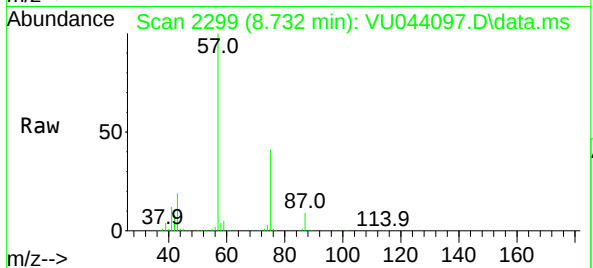


#57

1,3-Dichloropropane
Concen: 4.901 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Instrument :
MSVOA_U
ClientSampled :

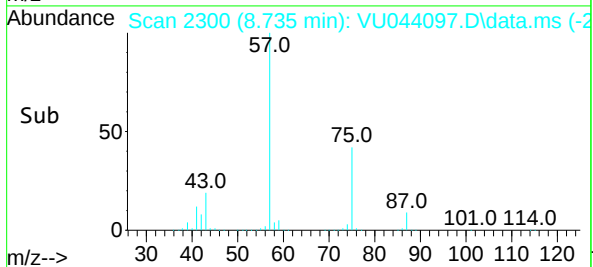
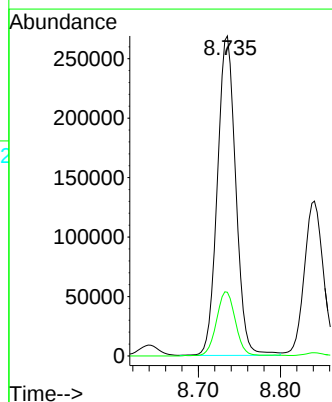
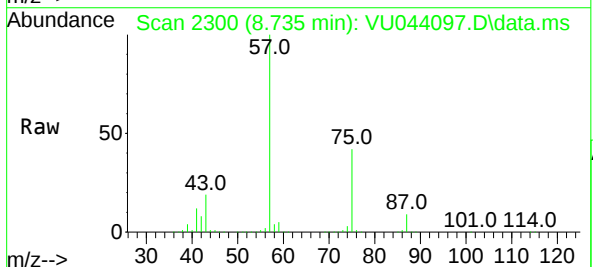
Tgt Ion: 76 Resp: 31586
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

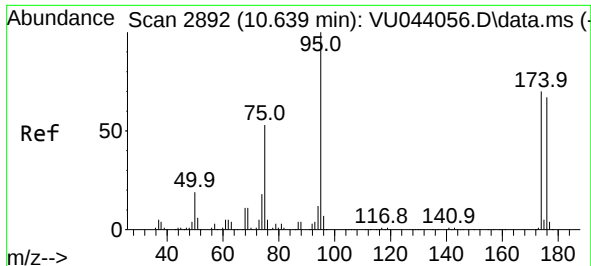


#59

2-Hexanone
Concen: 84.940 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 43 Resp: 417927
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#

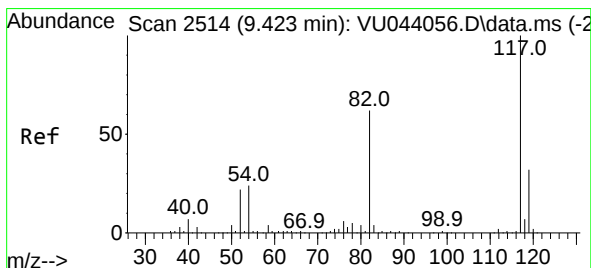
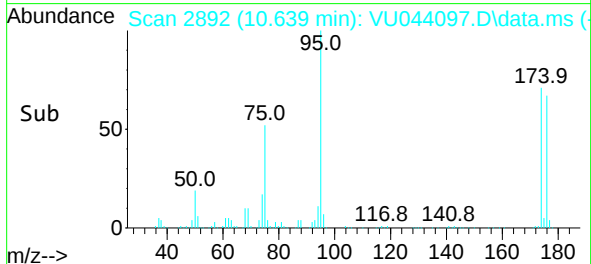
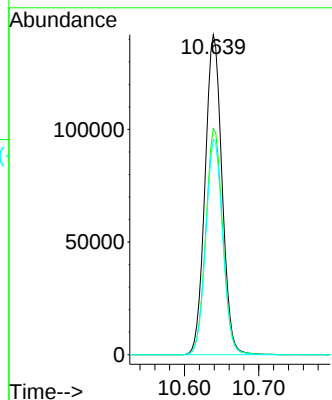
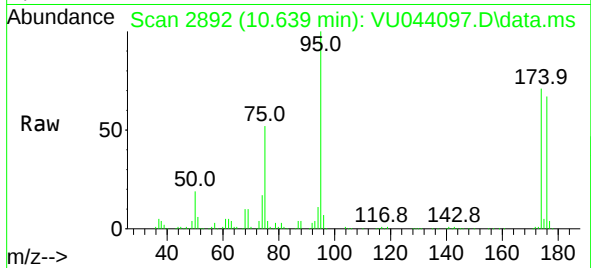




#62
4-Bromofluorobenzene
Concen: 48.539 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

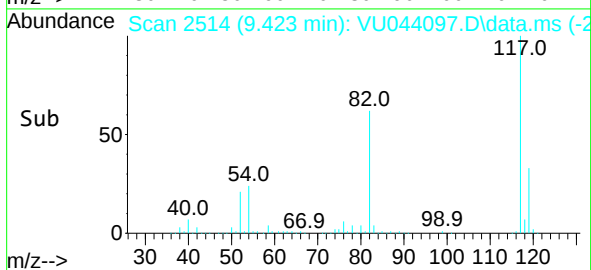
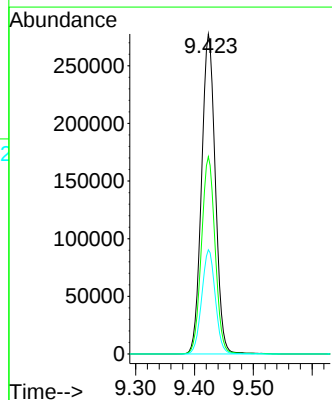
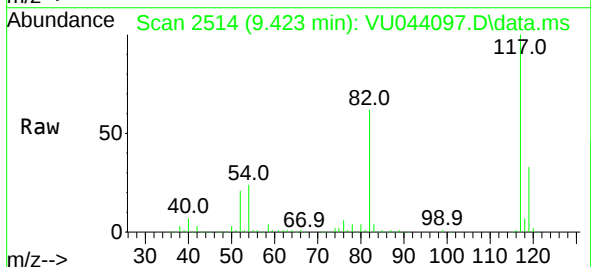
Instrument :
MSVOA_U
ClientSampled :

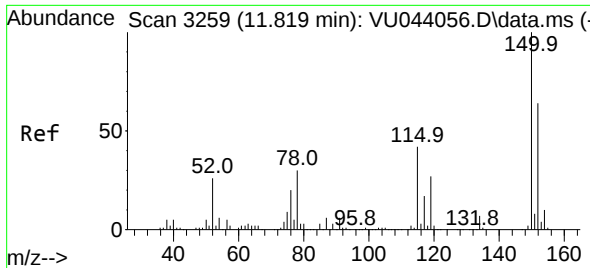
Tgt Ion: 95 Resp: 224719
Ion Ratio Lower Upper
95 100
174 70.8 0.0 141.0
176 67.5 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Tgt Ion: 117 Resp: 451381
Ion Ratio Lower Upper
117 100
82 61.7 50.0 75.0
119 32.6 25.9 38.9

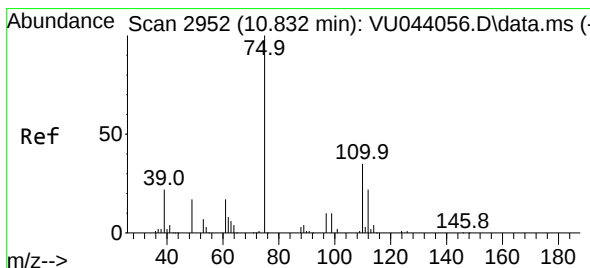
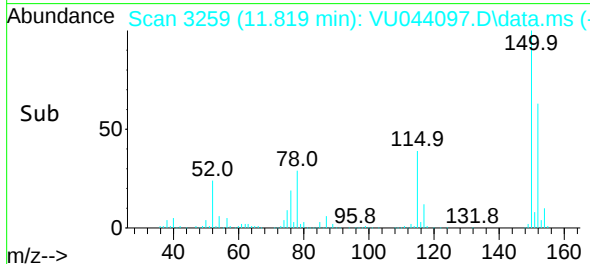
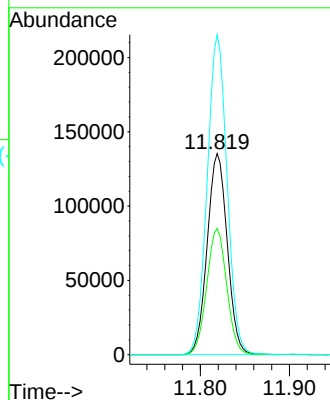
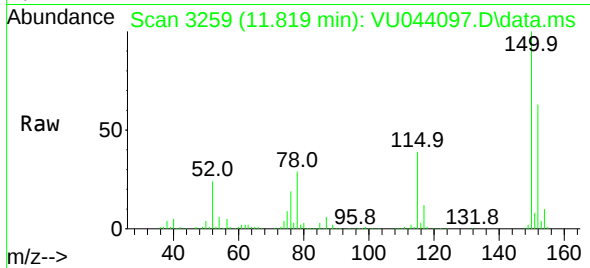




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044097.D
 Acq: 08 Jun 2021 08:00

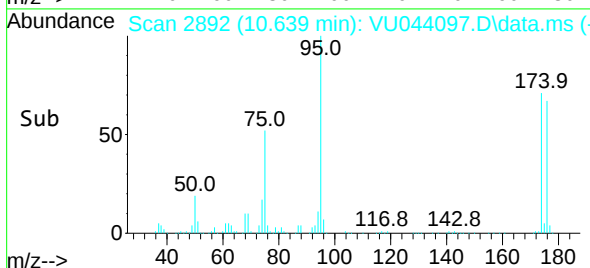
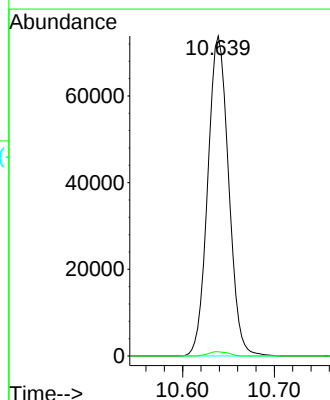
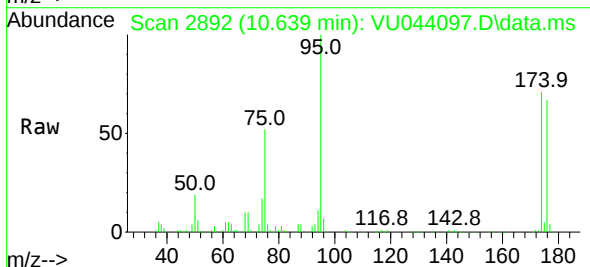
Instrument :
 MSVOA_U
 ClientSampled :

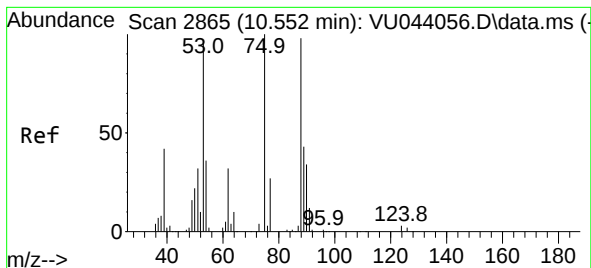
Tgt Ion:152 Resp: 211661
 Ion Ratio Lower Upper
 152 100
 115 62.5 44.6 134.0
 150 157.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.728 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044097.D
 Acq: 08 Jun 2021 08:00

Tgt Ion: 75 Resp: 116809
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.9 50.6#

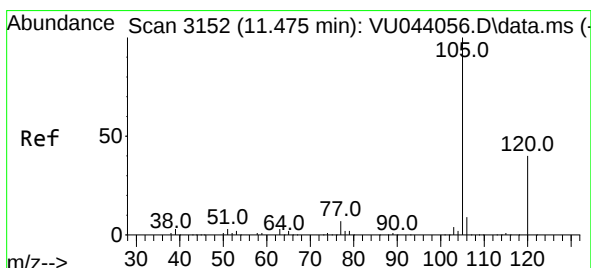
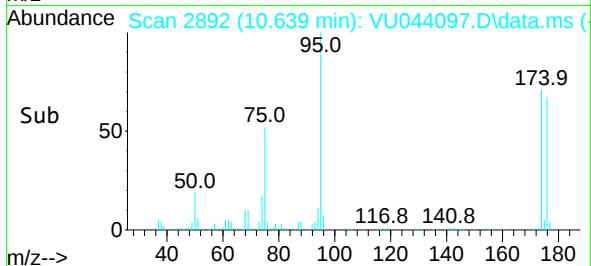
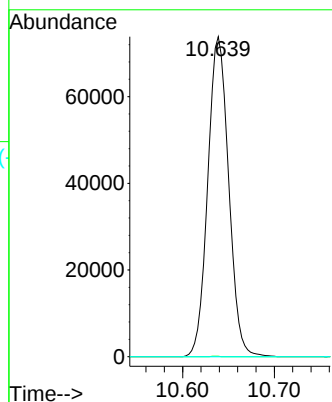
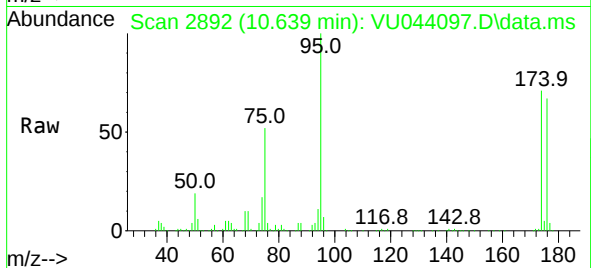




#81
trans-1,4-Dichloro-2-butene
Concen: 57.605 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

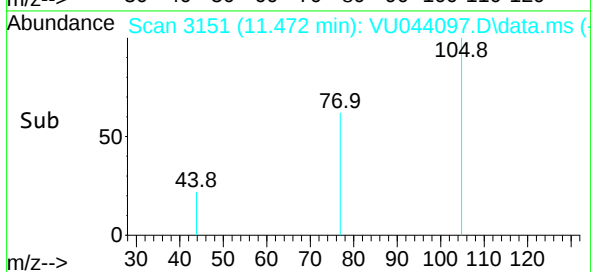
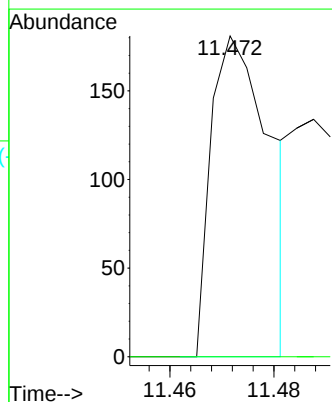
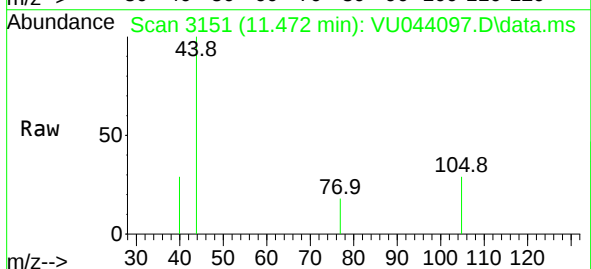
Instrument :
MSVOA_U
ClientSampleId :

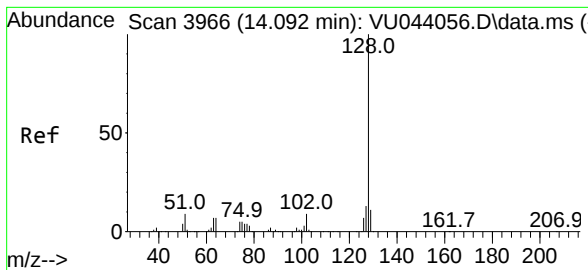
Tgt Ion: 75 Resp: 116809
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.959 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

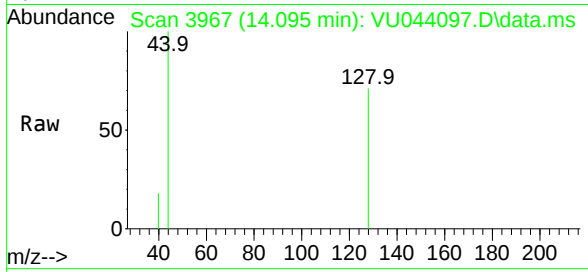
Tgt Ion: 105 Resp: 142
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.910 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044097.D
Acq: 08 Jun 2021 08:00

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	985
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

