

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044095.D
 Acq On : 08 Jun 2021 07:13
 Operator : SY/MD
 Sample : M2613-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 08:39:52 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)

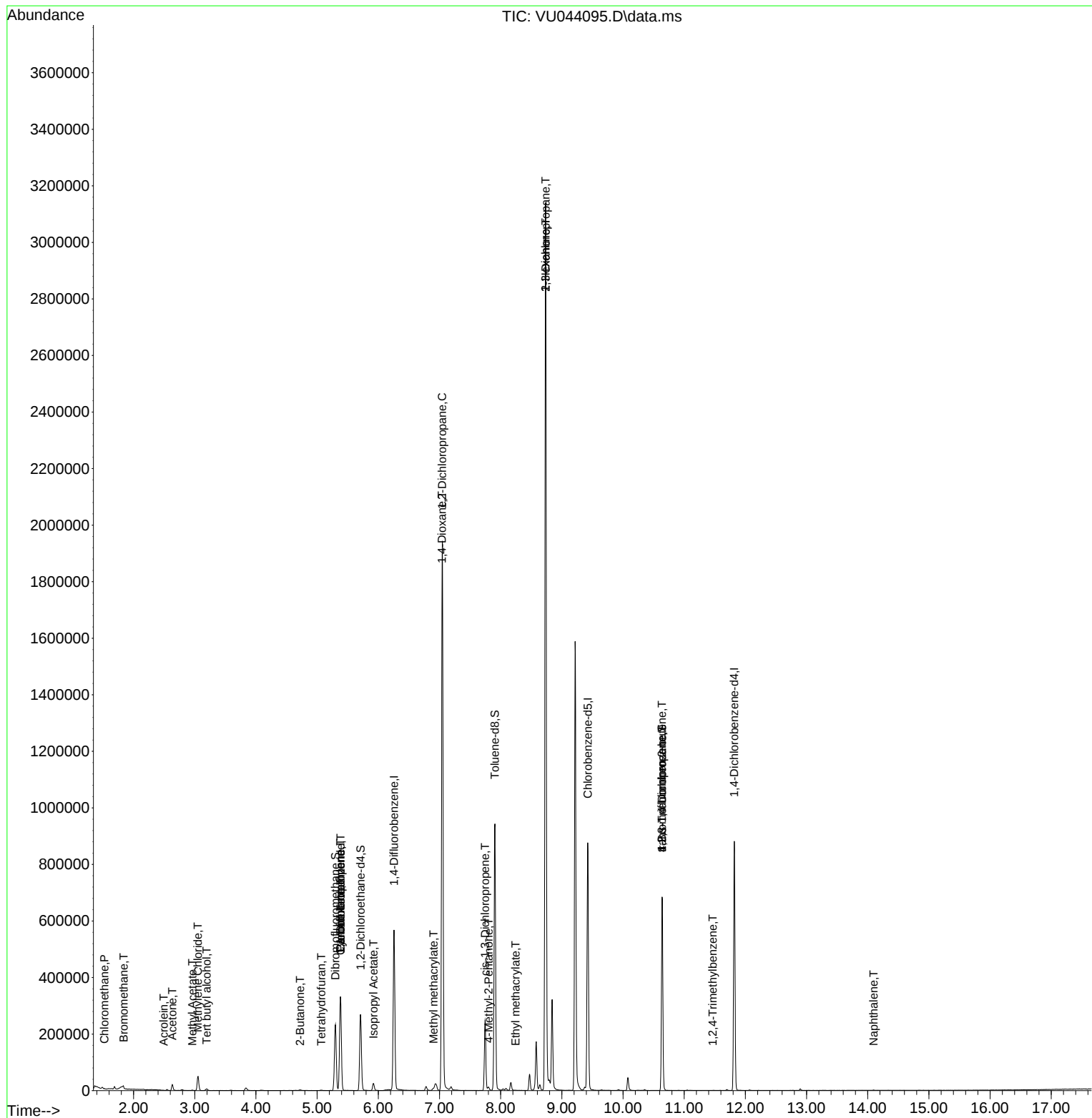
Internal Standards						
1) Pentafluorobenzene	5.382	168	215398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	433445	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	461967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	215858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	195432	52.097	ug/l	0.00
Spiked Amount	50.000		Recovery	= 104.200%		
35) Dibromofluoromethane	5.298	113	151494	48.977	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.960%		
50) Toluene-d8	7.906	98	600813	50.358	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.720%		
62) 4-Bromofluorobenzene	10.639	95	230992	48.901	ug/l	0.00
Spiked Amount	50.000		Recovery	= 97.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1234	0.277	ug/l	95
5) Bromomethane	1.838	94	651	0.394	ug/l #	74
11) Tert butyl alcohol	3.195	59	4220	4.538	ug/l #	72
13) Acrolein	2.494	56	347	0.475	ug/l	87
16) Acetone	2.633	43	22886	10.570	ug/l	95
18) Methyl Acetate	2.961	43	2091	0.438	ug/l #	89
20) Methylene Chloride	3.051	84	23933	5.871	ug/l	94
25) 2-Butanone	4.719	43	4105	1.329	ug/l #	85
29) Tetrahydrofuran	5.070	42	815	0.475	ug/l #	56
31) Cyclohexane	5.385	56	5448	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	20447	4.187	ug/l #	51
38) Carbon Tetrachloride	5.382	117	22872	5.184	ug/l #	18
43) Isopropyl Acetate	5.922	43	26255	3.018	ug/l	99
45) 1,2-Dichloropropane	7.044	63	2597	0.647	ug/l #	42
48) Methyl methacrylate	6.903	41	10235	2.386	ug/l #	14
49) 1,4-Dioxane	7.041	88	195	1.849	ug/l #	1
51) 4-Methyl-2-Pentanone	7.803	43	7623	1.180	ug/l	94
54) cis-1,3-Dichloropropene	7.745	75	43866	7.346	ug/l #	65
56) Ethyl methacrylate	8.243	69	133	3.405	ug/l #	26
57) 1,3-Dichloropropane	8.735	76	31359	4.769	ug/l #	42
59) 2-Hexanone	8.735	43	409375	81.546	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	118200	19.575	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	118200	57.157	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.465	105	116	0.957	ug/l #	32
95) Naphthalene	14.098	128	1249	2.926	ug/l #	84

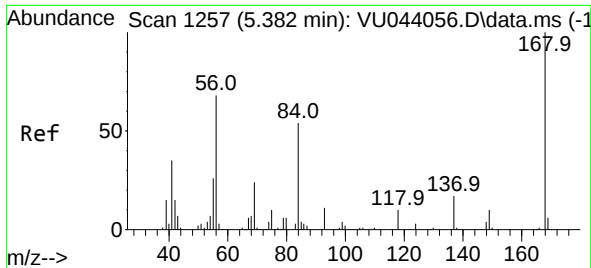
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

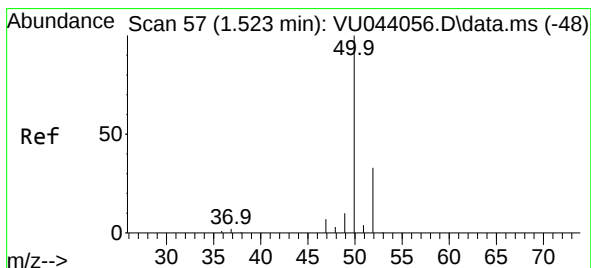
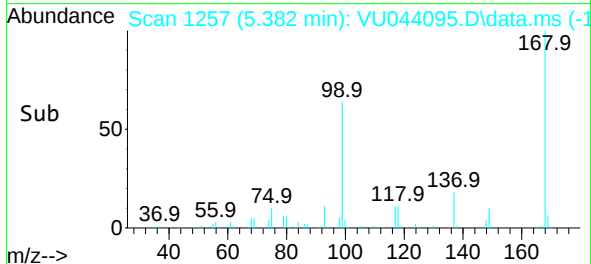
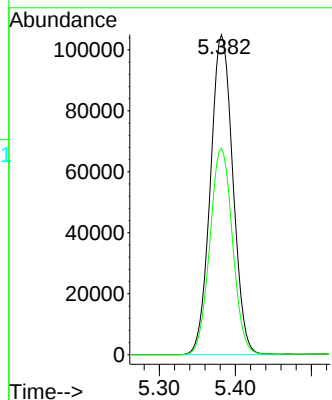
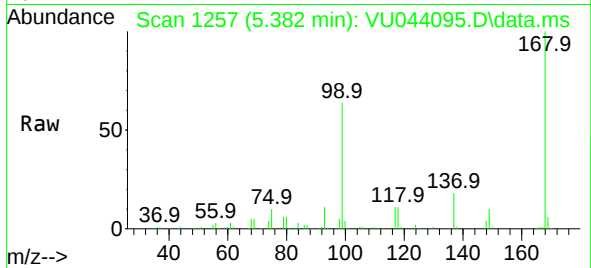




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

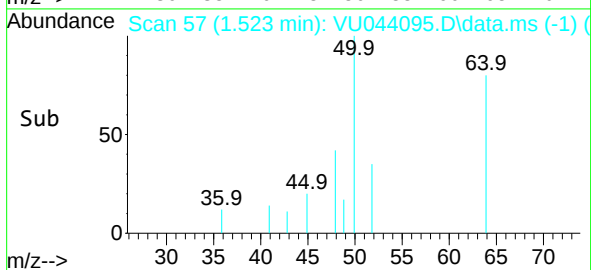
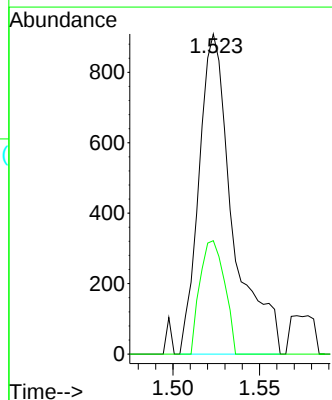
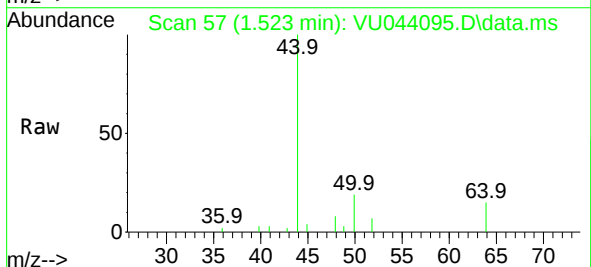
Instrument :
MSVOA_U
ClientSampled :

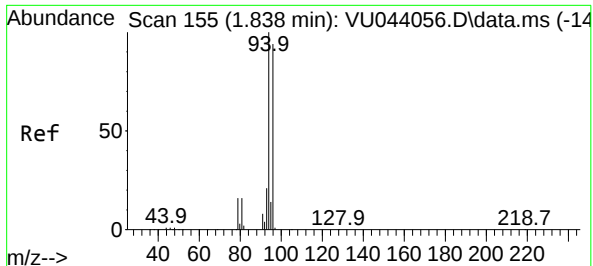
Tgt Ion:168 Resp: 215398
Ion Ratio Lower Upper
168 100
99 64.5 52.6 78.8



#3
Chloromethane
Concen: 0.277 ug/l
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 50 Resp: 1234
Ion Ratio Lower Upper
50 100
52 35.4 26.2 39.2

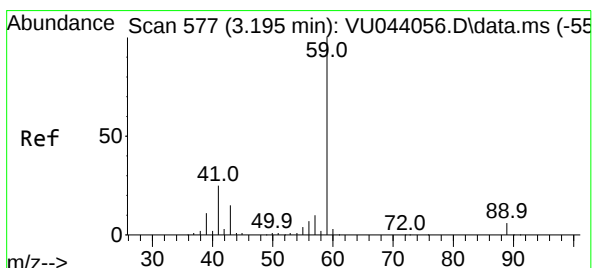
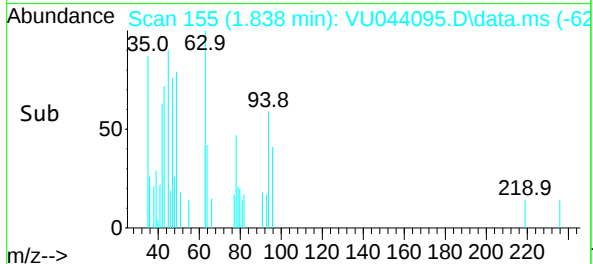
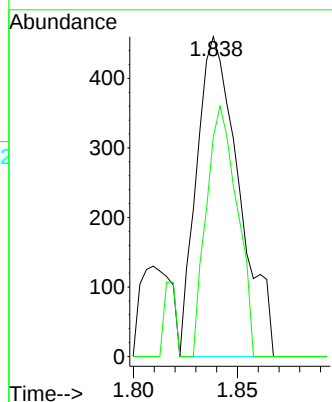
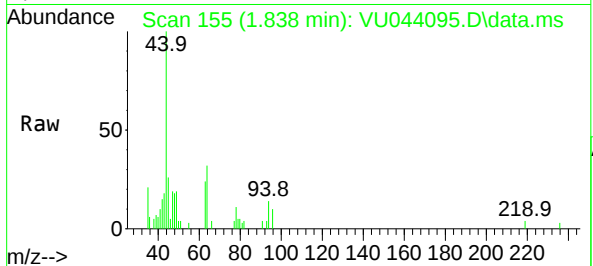




#5
Bromomethane
Concen: 0.394 ug/l
RT: 1.838 min Scan# 155
Delta R.T. 0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

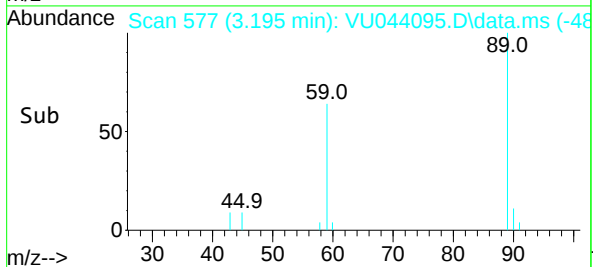
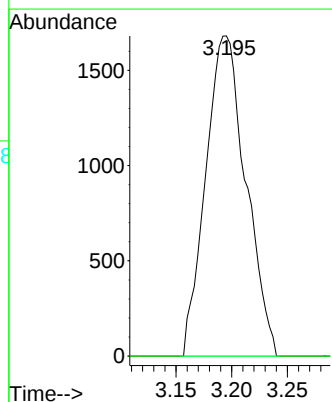
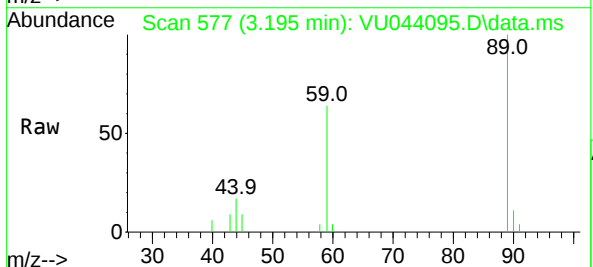
Instrument :
MSVOA_U
ClientSampleId :

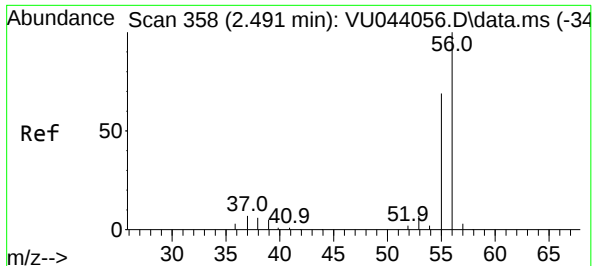
Tgt Ion: 94 Resp: 651
Ion Ratio Lower Upper
94 100
96 68.7 74.8 112.2#



#11
Tert butyl alcohol
Concen: 4.538 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 59 Resp: 4220
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

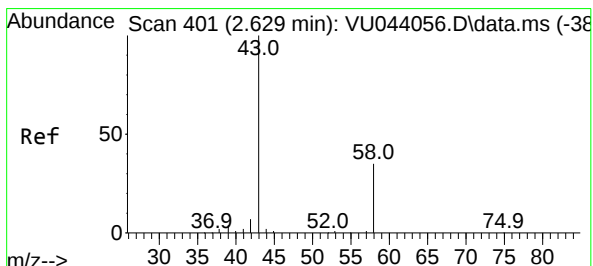
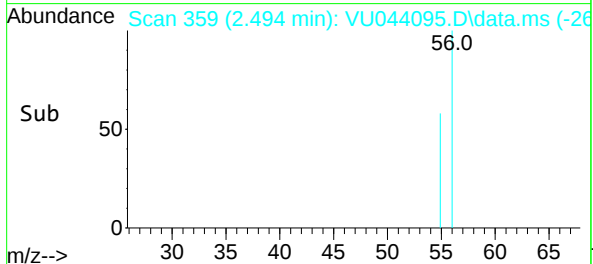
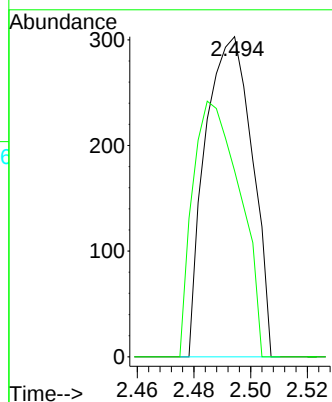
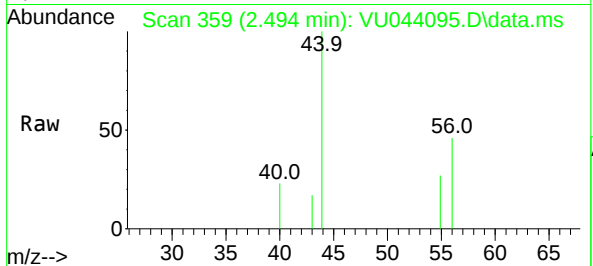




#13
Acrolein
Concen: 0.475 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.003 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

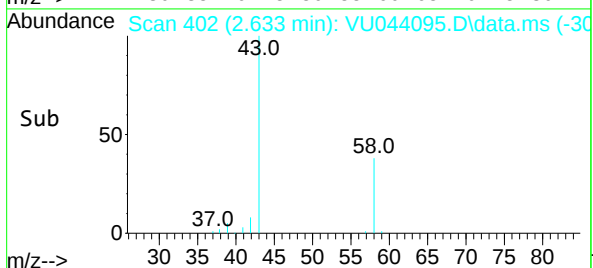
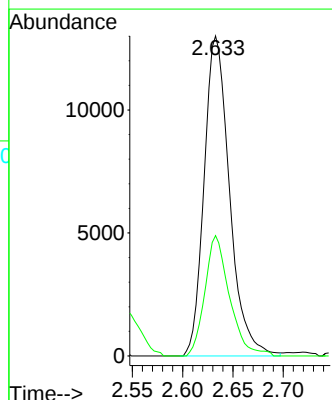
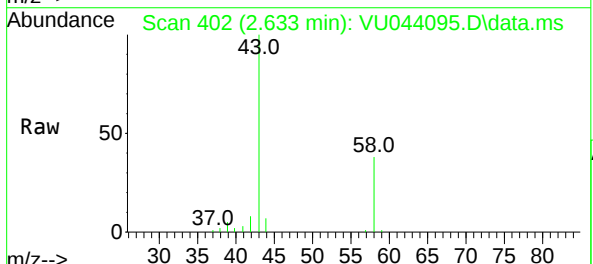
Instrument :
MSVOA_U
ClientSampled :

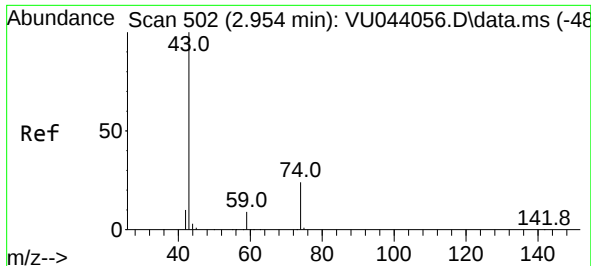
Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 80.4 56.1 84.1



#16
Acetone
Concen: 10.570 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

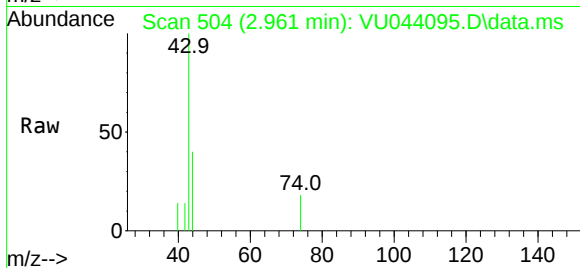
Tgt Ion: 43 Resp: 22886
Ion Ratio Lower Upper
43 100
58 37.6 27.7 41.5



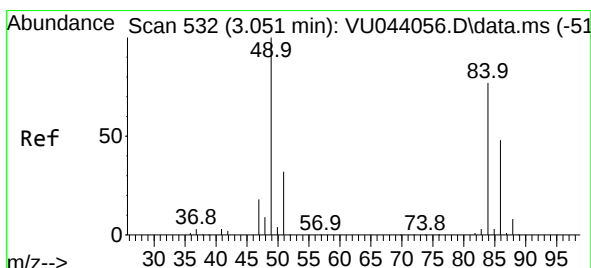
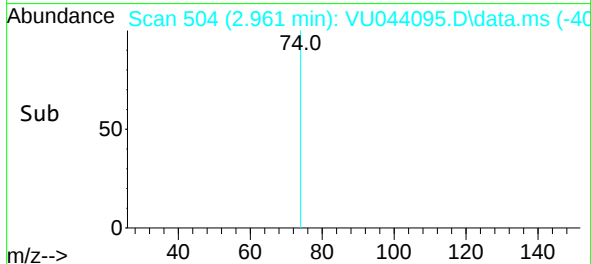
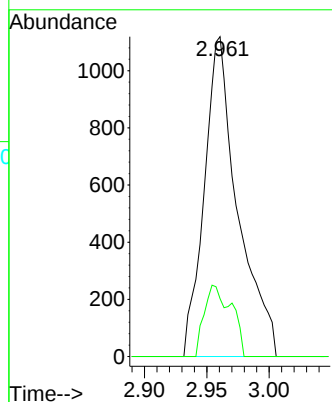


#18
Methyl Acetate
Concen: 0.438 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Instrument :
MSVOA_U
ClientSampled :

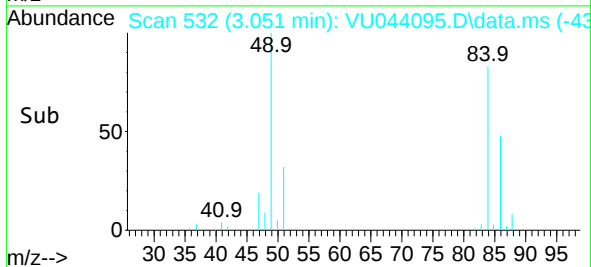
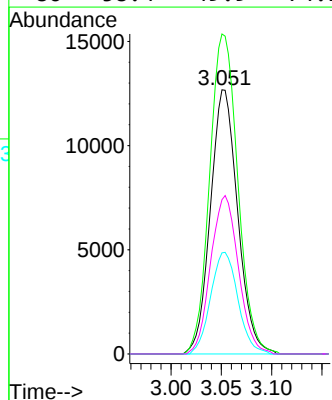
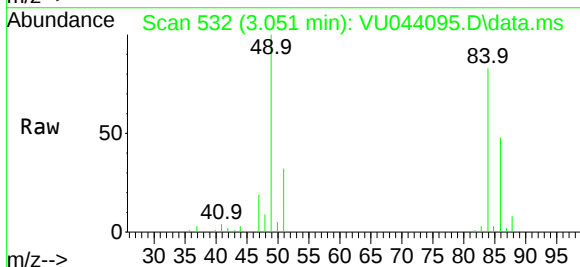


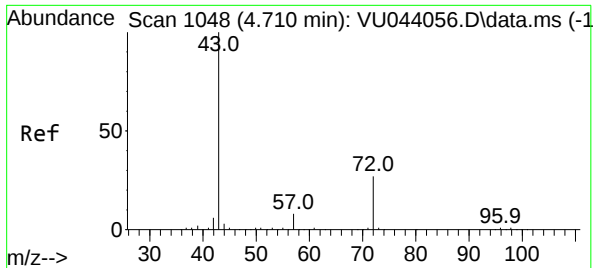
Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
74 18.0 18.7 28.1#



#20
Methylene Chloride
Concen: 5.871 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 84 Resp: 23933
Ion Ratio Lower Upper
84 100
49 121.1 103.6 155.4
51 38.3 32.8 49.2
86 58.4 49.9 74.9

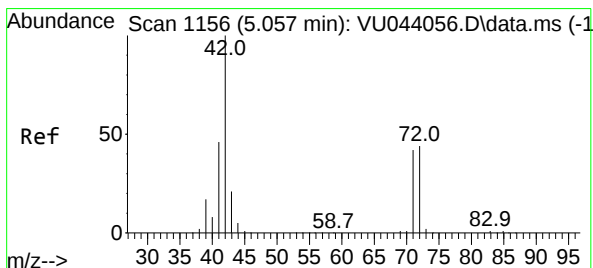
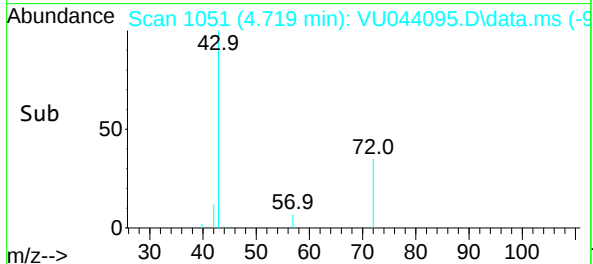
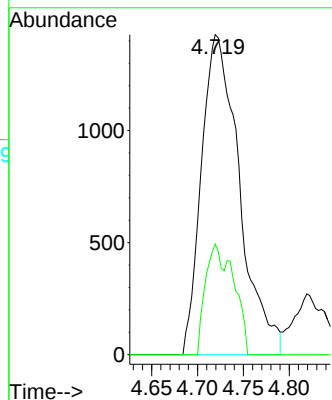
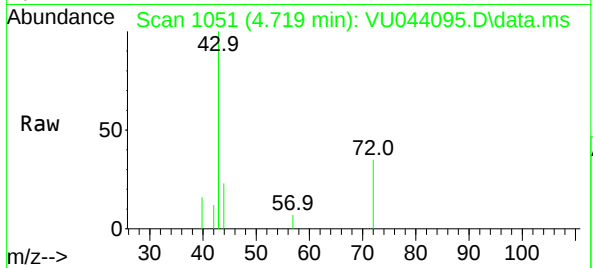




#25
2-Butanone
Concen: 1.329 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

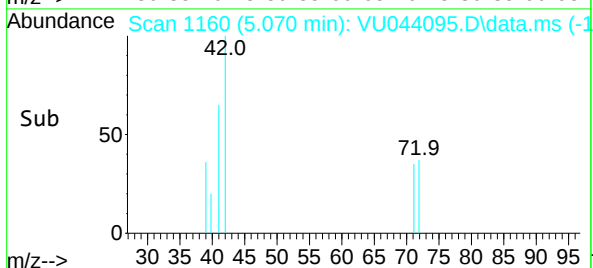
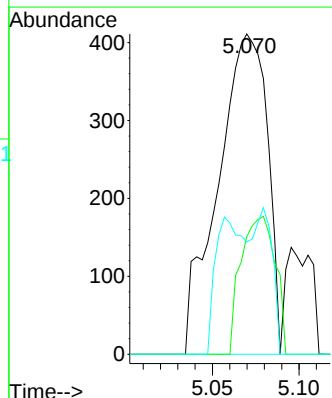
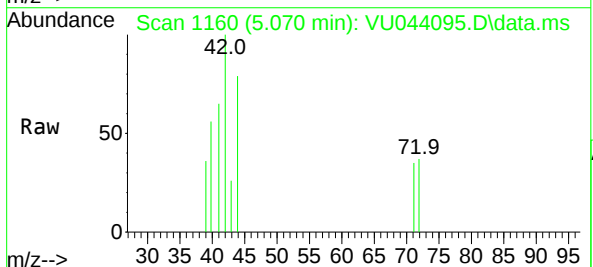
Instrument :
MSVOA_U
ClientSampled :

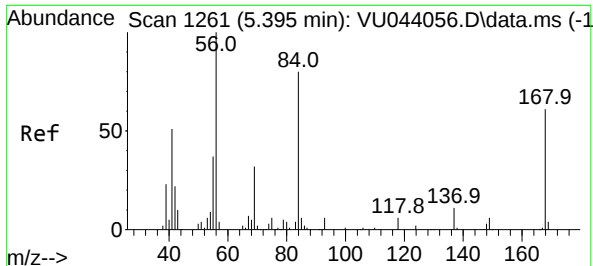
Tgt Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
72 34.6 21.4 32.2#



#29
Tetrahydrofuran
Concen: 0.475 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.013 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 42 Resp: 815
Ion Ratio Lower Upper
42 100
72 29.8 35.6 53.4#
71 0.0 33.3 49.9#





#31

Cyclohexane

Concen: 1.052 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.010 min

Lab File: VU044095.D

Acq: 08 Jun 2021 07:13

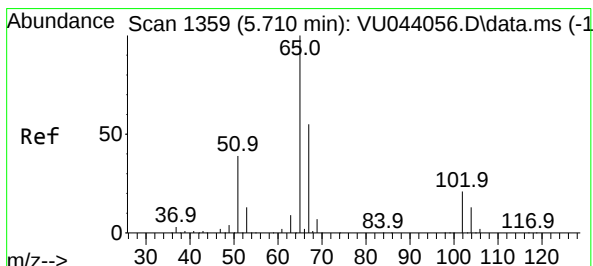
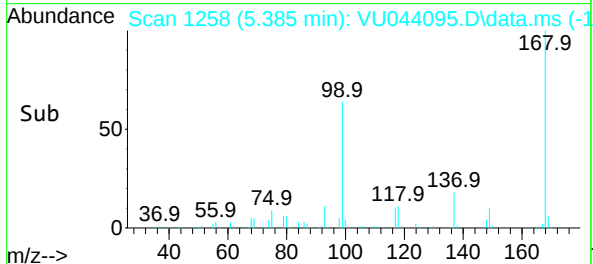
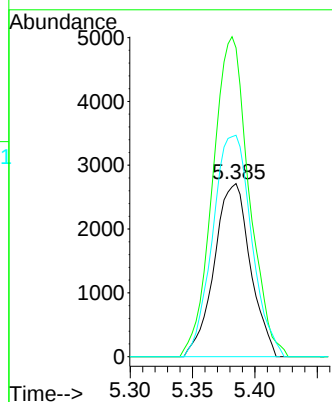
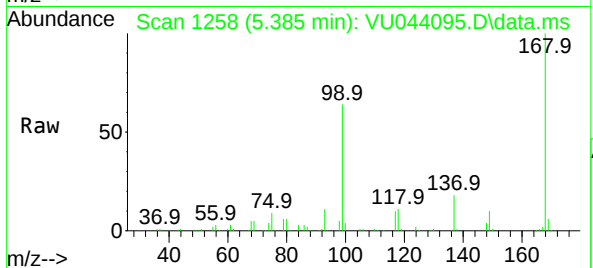
Tgt Ion: 56 Resp: 5448

Ion Ratio Lower Upper

56 100

69 178.4 25.4 38.2#

84 127.9 64.2 96.2#



#33

1,2-Dichloroethane-d4

Concen: 52.097 ug/l

RT: 5.710 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VU044095.D

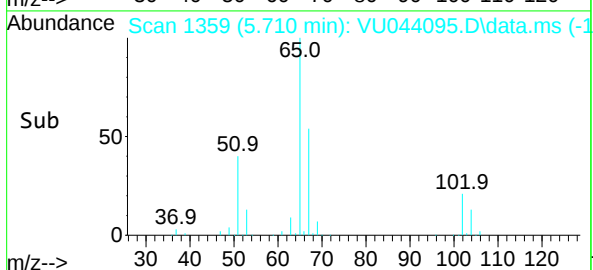
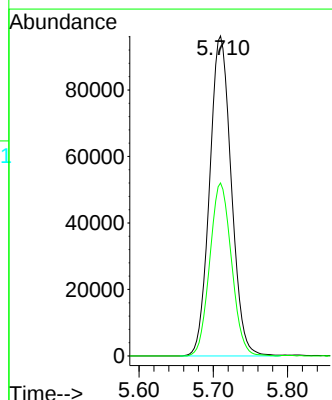
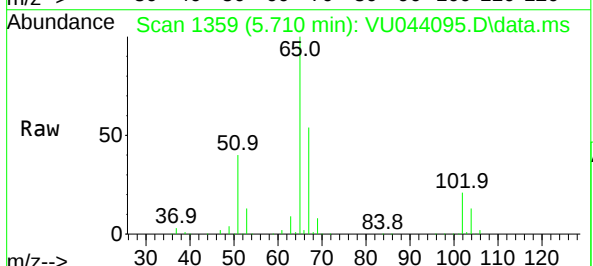
Acq: 08 Jun 2021 07:13

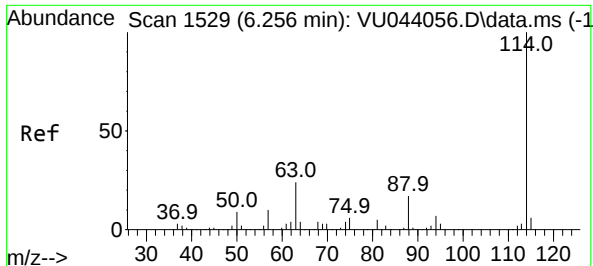
Tgt Ion: 65 Resp: 195432

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.2

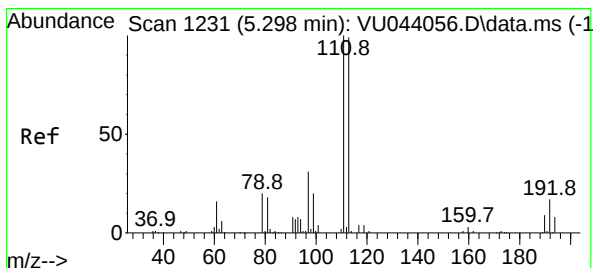
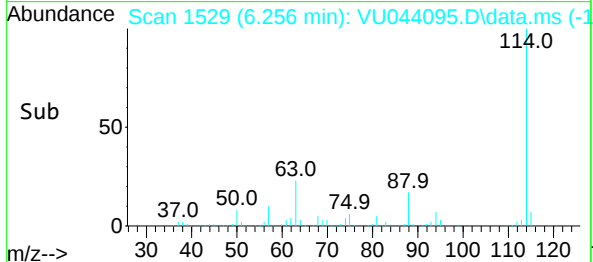
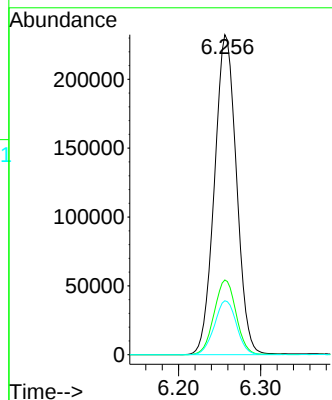
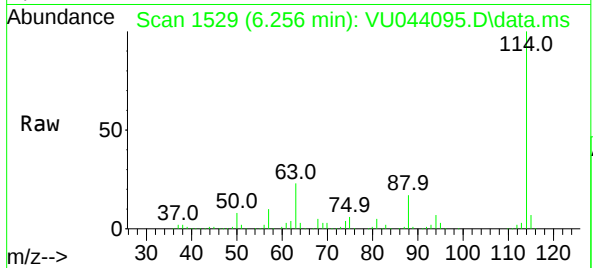




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

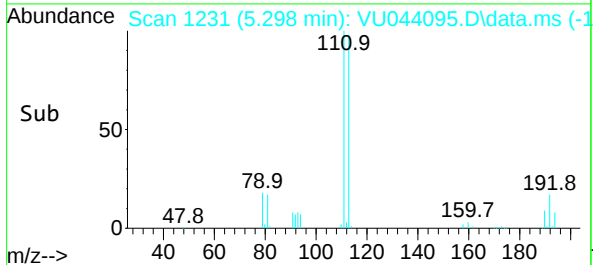
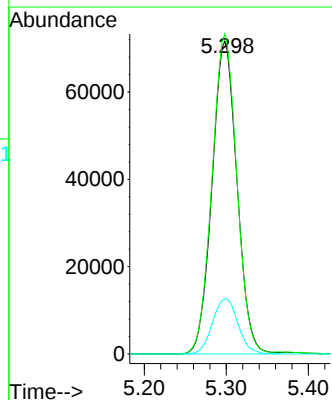
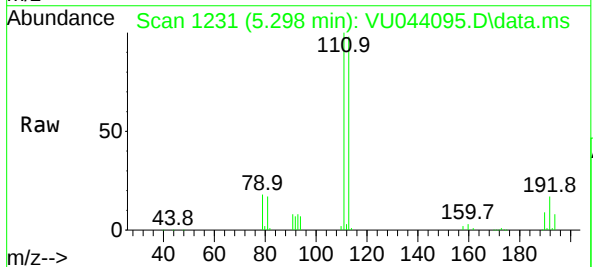
Instrument :
MSVOA_U
ClientSampled :

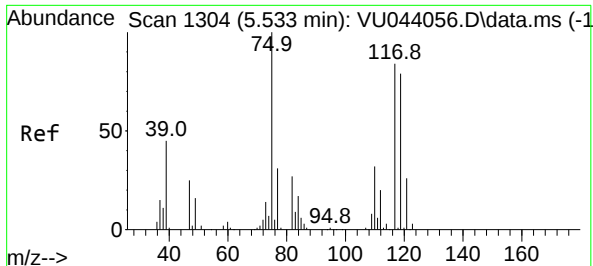
Tgt Ion:114 Resp: 433445
Ion Ratio Lower Upper
114 100
63 23.3 0.0 48.4
88 16.8 0.0 34.4



#35
Dibromofluoromethane
Concen: 48.977 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion:113 Resp: 151494
Ion Ratio Lower Upper
113 100
111 101.9 82.1 123.1
192 18.1 13.8 20.8

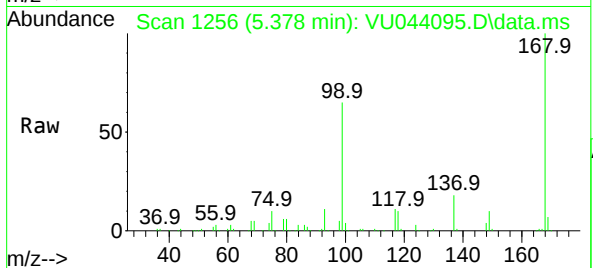




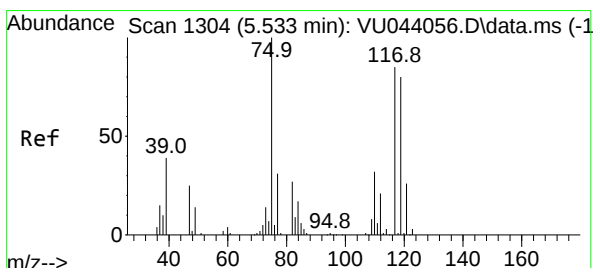
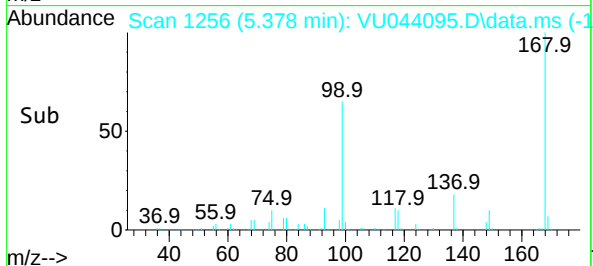
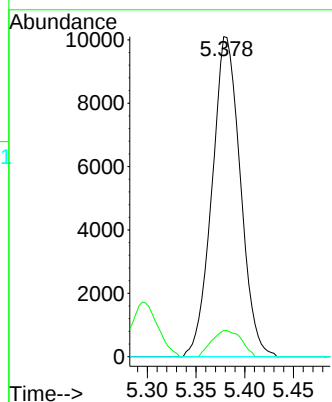
#36

1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Instrument :
MSVOA_U
ClientSampled :

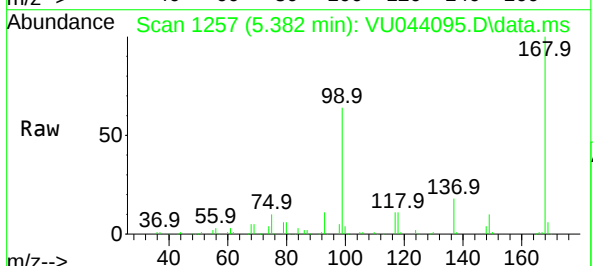


Tgt Ion:	75	Resp:	20447
Ion Ratio	Lower	Upper	
75	100		
110	8.5	15.9	47.7#
77	0.0	25.0	37.4#

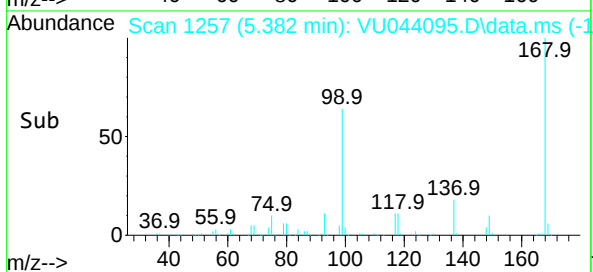
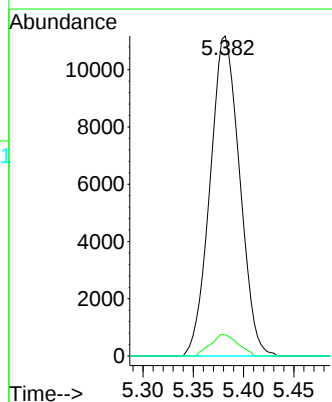


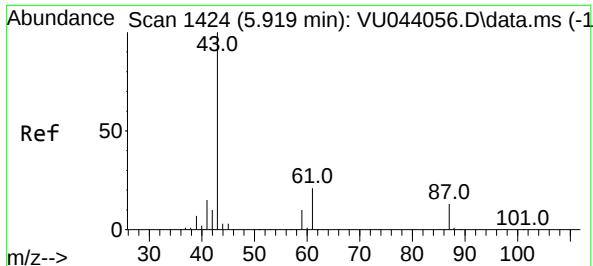
#38

Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13



Tgt Ion:	117	Resp:	22872
Ion Ratio	Lower	Upper	
117	100		
119	6.6	75.4	113.2#
121	0.0	24.5	36.7#

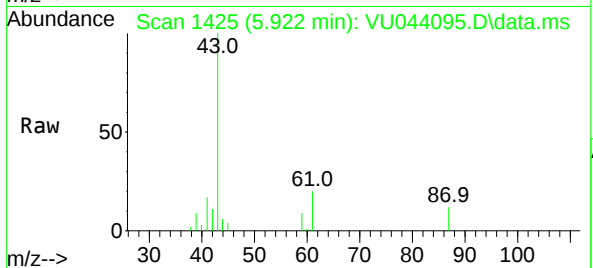




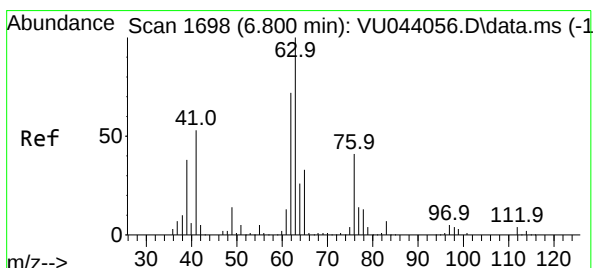
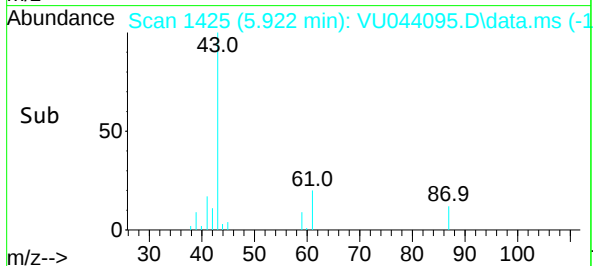
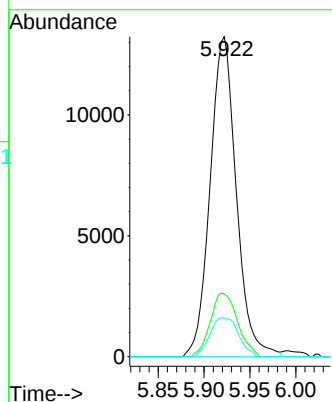
#43

Isopropyl Acetate
Concen: 3.018 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Instrument :
MSVOA_U
ClientSampled :



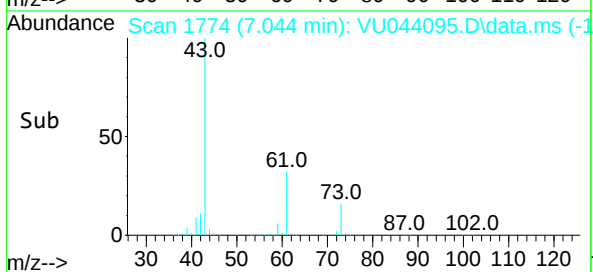
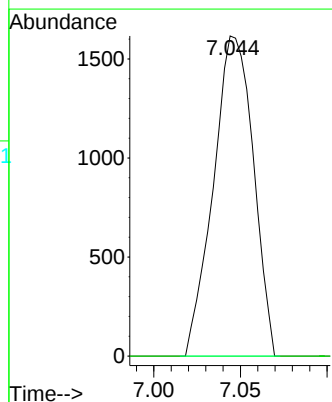
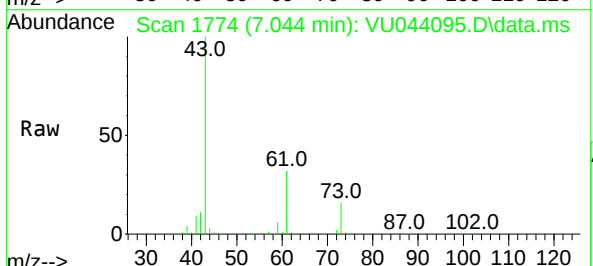
Tgt Ion:	43	Resp:	26255
Ion Ratio	Lower	Upper	
43	100		
61	20.7	16.8	25.2
87	13.2	10.2	15.2

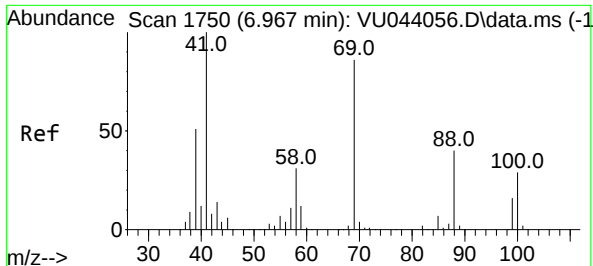


#45

1,2-Dichloropropane
Concen: 0.647 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion:	63	Resp:	2597
Ion Ratio	Lower	Upper	
63	100		
65	0.0	26.3	39.5#





#48

Methyl methacrylate

Concen: 2.386 ug/l

RT: 6.903 min Scan# 1730

Delta R.T. -0.064 min

Lab File: VU044095.D

Acq: 08 Jun 2021 07:13

Tgt Ion: 41 Resp: 10235

Ion Ratio Lower Upper

41 100

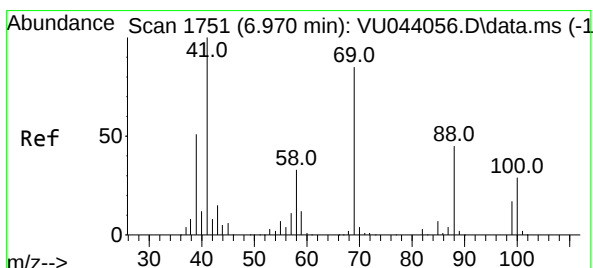
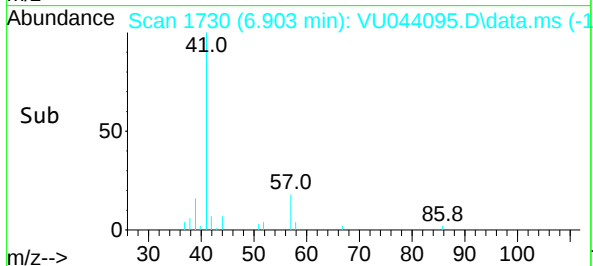
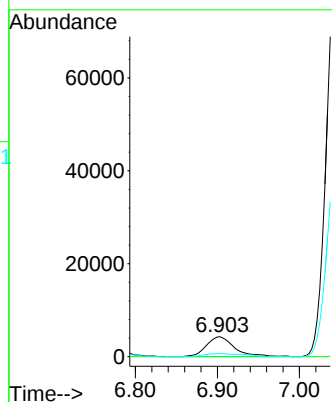
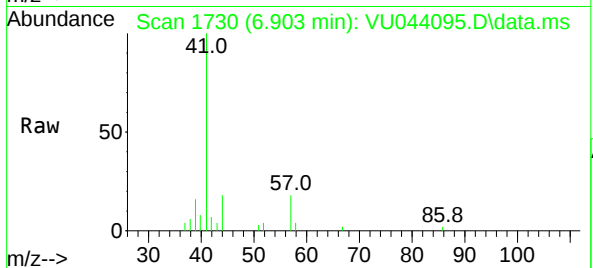
69 0.0 68.9 103.3#

39 0.0 40.6 60.8#

Instrument :

MSVOA_U

ClientSampleId :



#49

1,4-Dioxane

Concen: 1.849 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

Lab File: VU044095.D

Acq: 08 Jun 2021 07:13

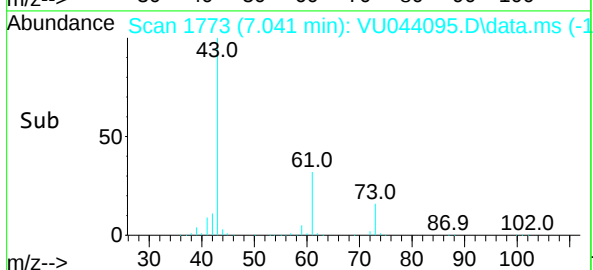
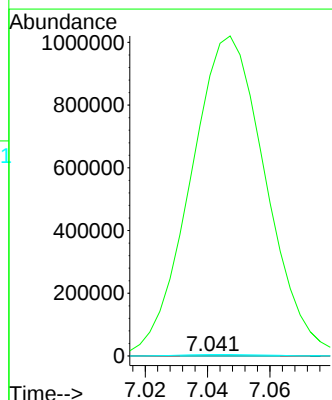
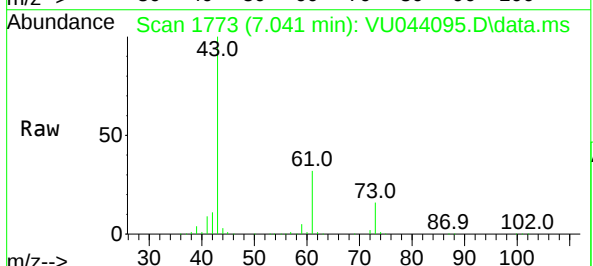
Tgt Ion: 88 Resp: 195

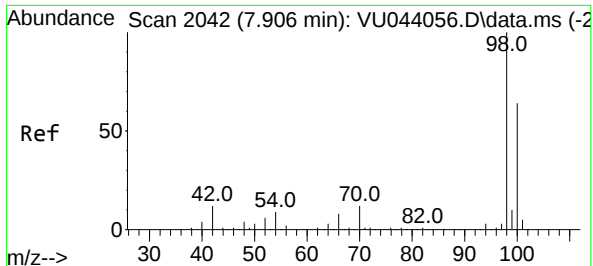
Ion Ratio Lower Upper

88 100

43 891446.7 25.0 37.4#

58 4661.5 60.0 90.0#

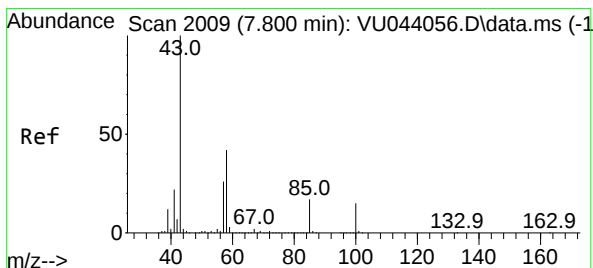
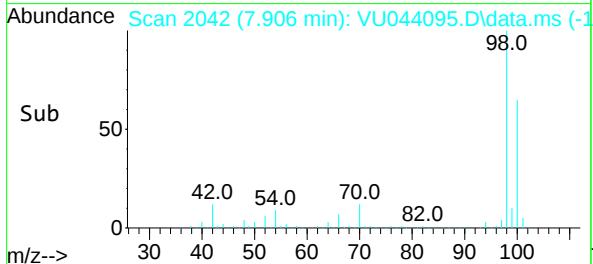
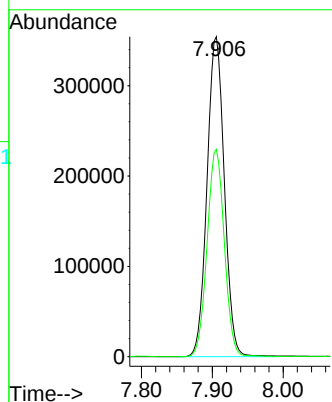
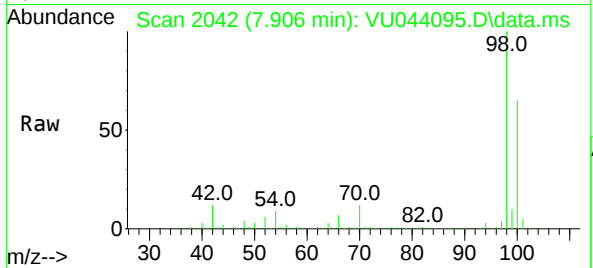




#50
Toluene-d8
Concen: 50.358 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

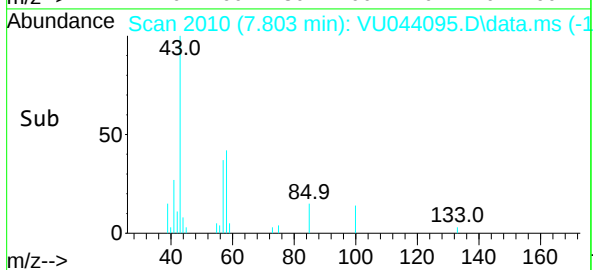
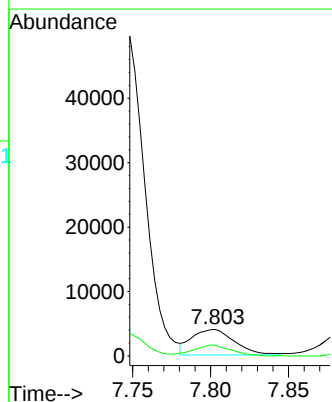
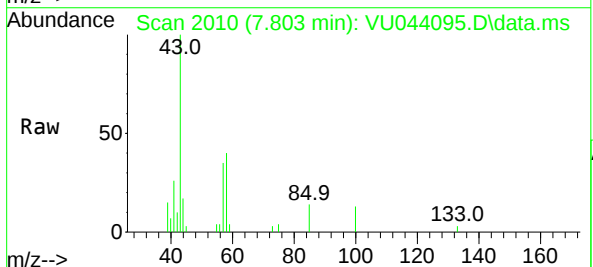
Instrument :
MSVOA_U
ClientSampled :

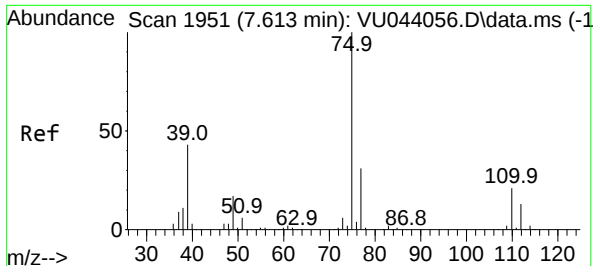
Tgt Ion: 98 Resp: 600813
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.180 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 43 Resp: 7623
Ion Ratio Lower Upper
43 100
58 37.7 33.3 49.9

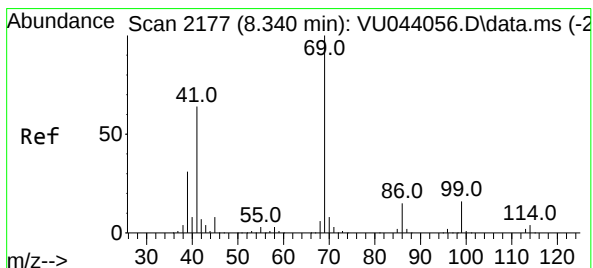
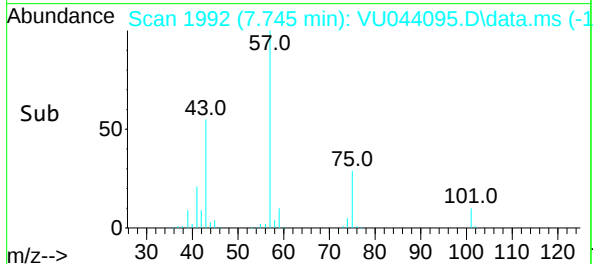
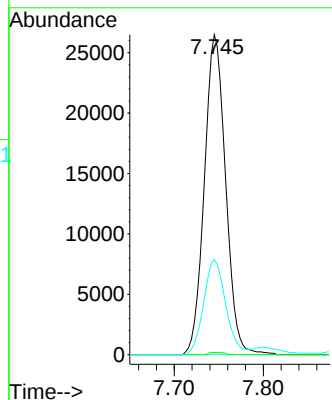
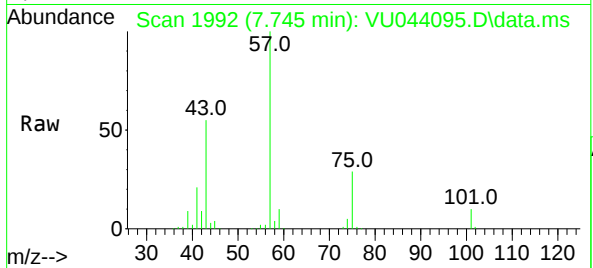




#54
 cis-1,3-Dichloropropene
 Concen: 7.346 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044095.D
 Acq: 08 Jun 2021 07:13

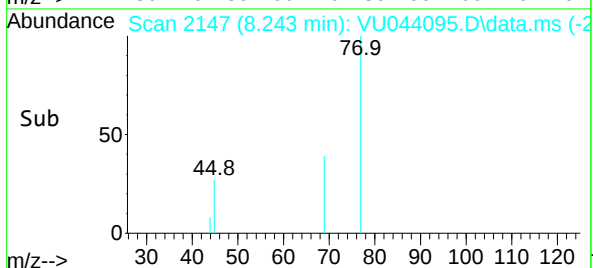
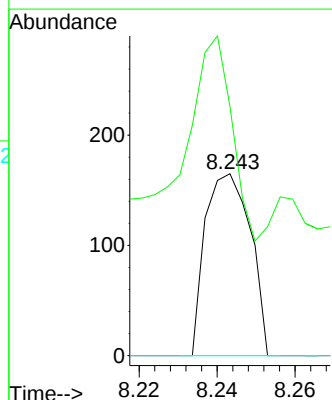
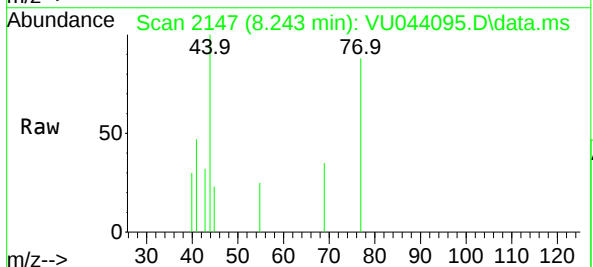
Instrument :
 MSVOA_U
 ClientSampled :

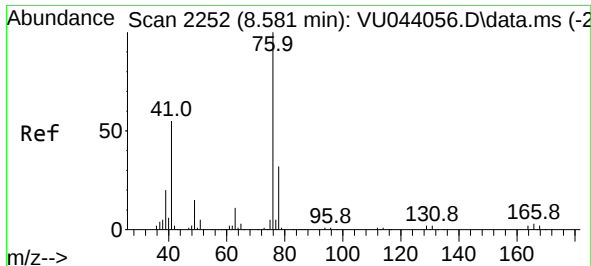
Tgt Ion: 75 Resp: 43866
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 29.8 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.405 ug/l
 RT: 8.243 min Scan# 2147
 Delta R.T. -0.097 min
 Lab File: VU044095.D
 Acq: 08 Jun 2021 07:13

Tgt Ion: 69 Resp: 133
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 0.0 24.9 37.3#



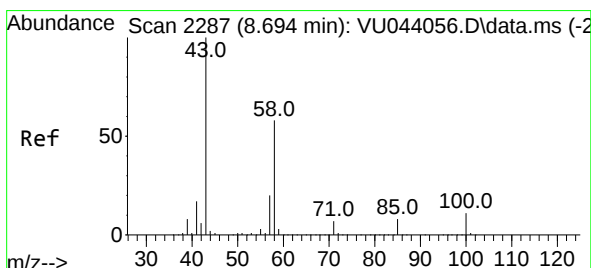
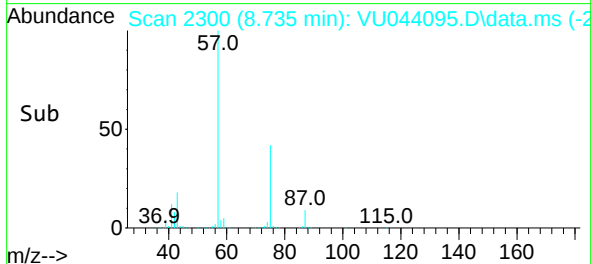
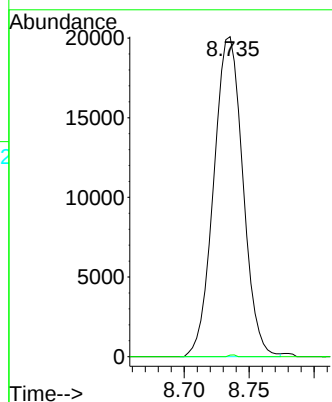
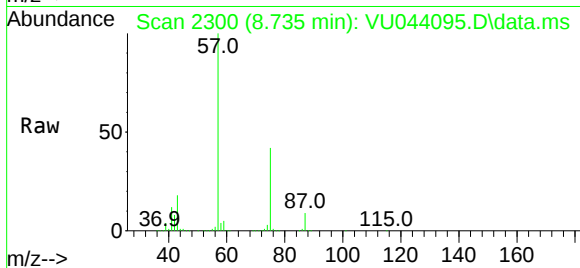


#57

1,3-Dichloropropane
Concen: 4.769 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Instrument :
MSVOA_U
ClientSampled :

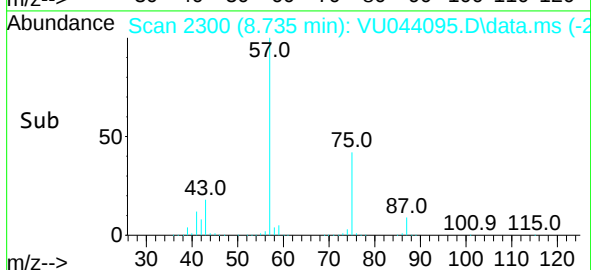
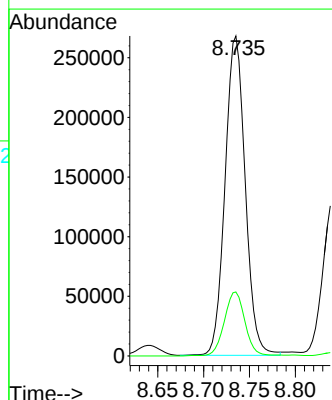
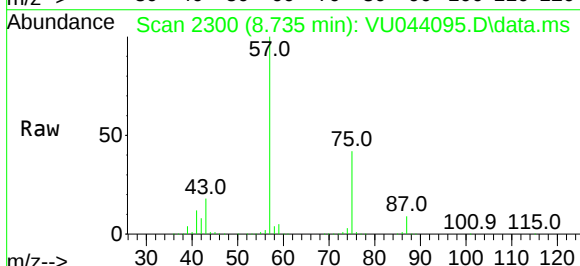
Tgt Ion: 76 Resp: 31359
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

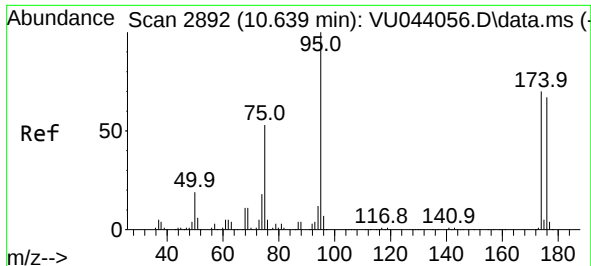


#59

2-Hexanone
Concen: 81.546 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 43 Resp: 409375
Ion Ratio Lower Upper
43 100
58 20.7 29.0 87.1#

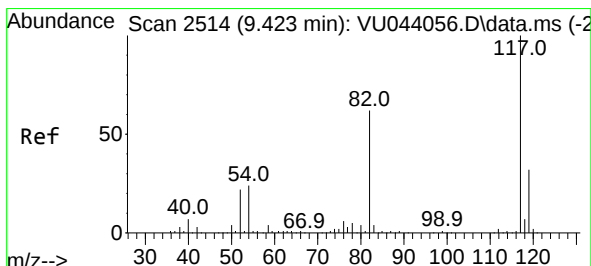
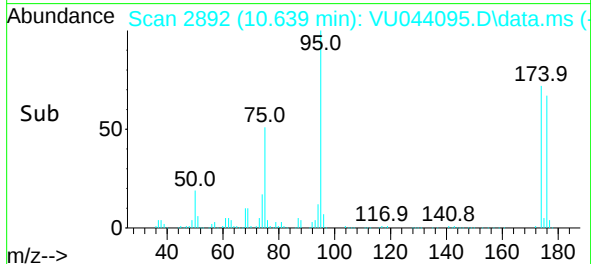
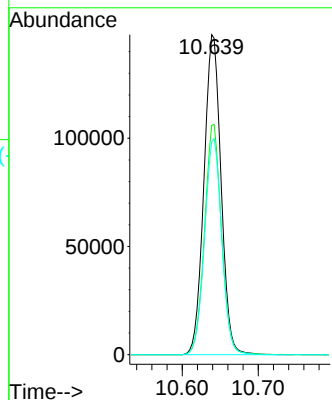
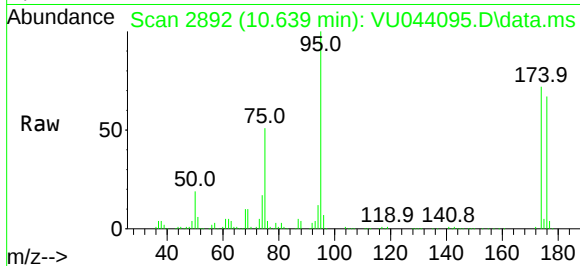




#62
4-Bromofluorobenzene
Concen: 48.901 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

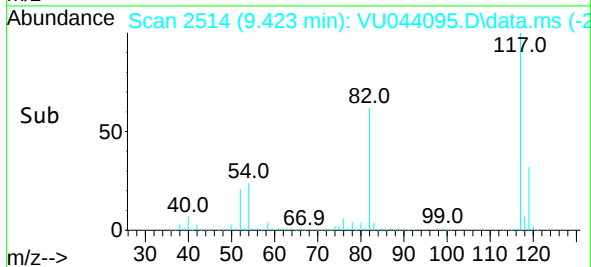
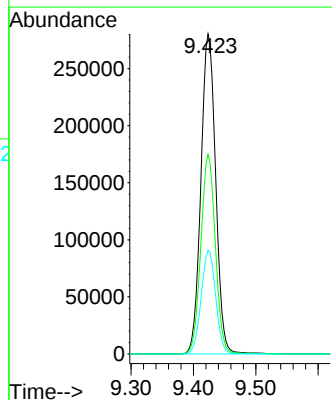
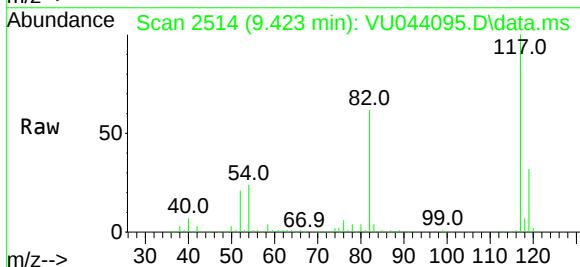
Instrument :
MSVOA_U
ClientSampled :

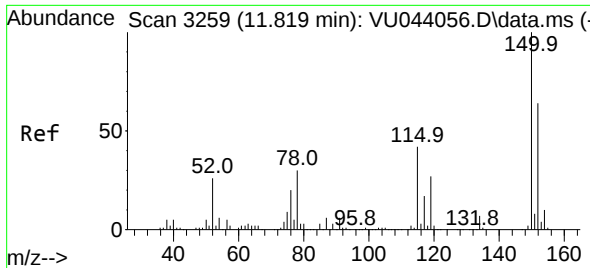
Tgt Ion: 95 Resp: 230992
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.0
176 67.9 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Tgt Ion: 117 Resp: 461967
Ion Ratio Lower Upper
117 100
82 62.3 50.0 75.0
119 32.3 25.9 38.9

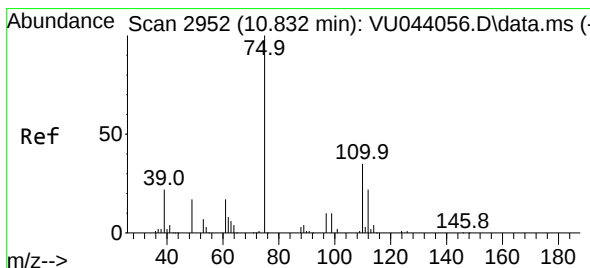
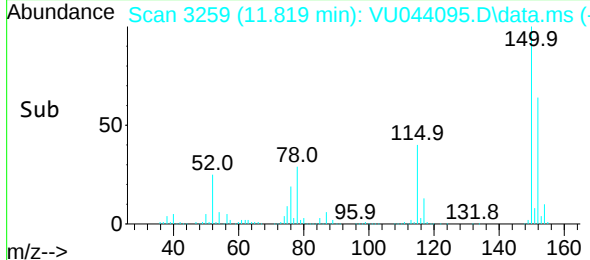
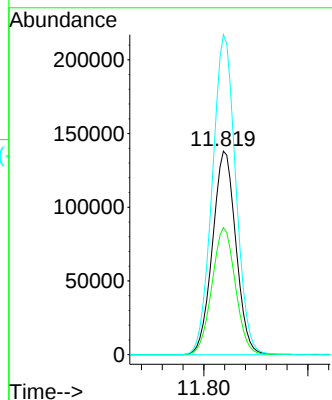
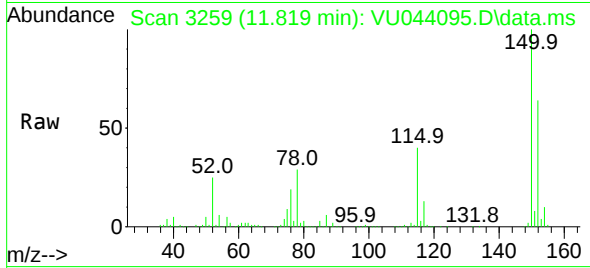




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044095.D
 Acq: 08 Jun 2021 07:13

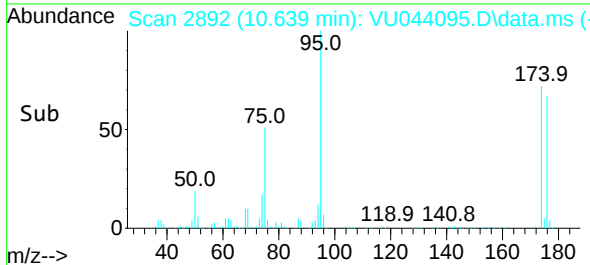
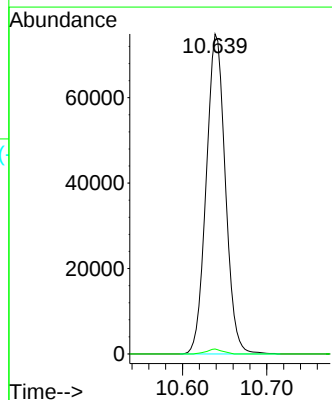
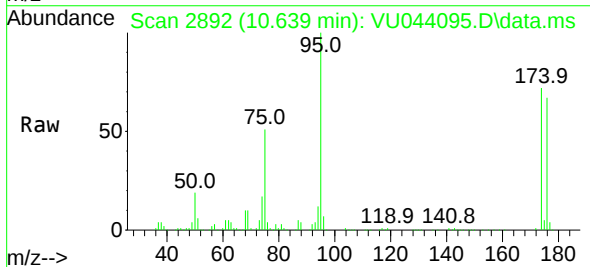
Instrument :
 MSVOA_U
 ClientSampled :

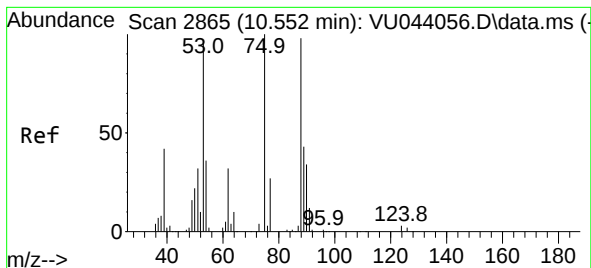
Tgt Ion:152 Resp: 215858
 Ion Ratio Lower Upper
 152 100
 115 62.7 44.6 134.0
 150 157.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.575 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044095.D
 Acq: 08 Jun 2021 07:13

Tgt Ion: 75 Resp: 118200
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.9 50.6#

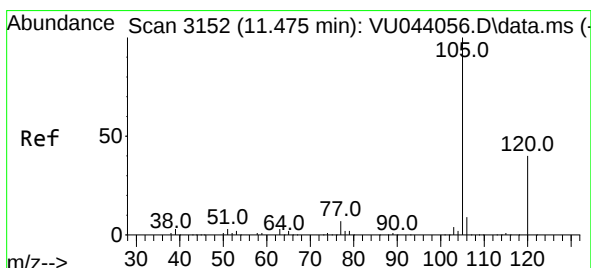
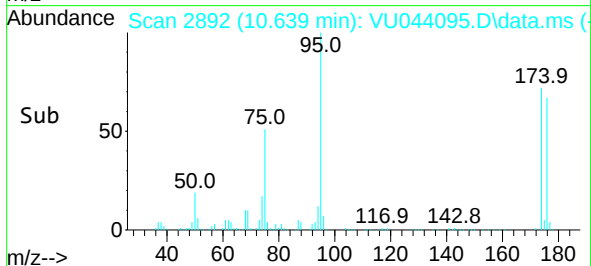
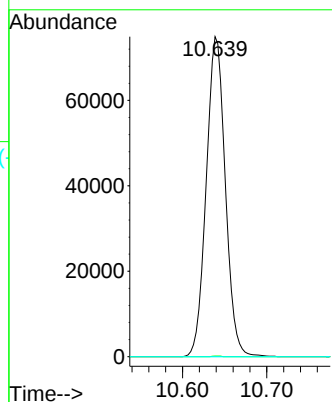
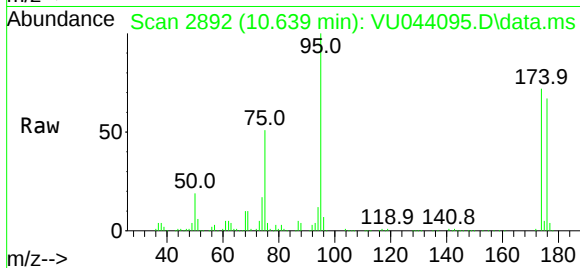




#81
trans-1,4-Dichloro-2-butene
Concen: 57.157 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

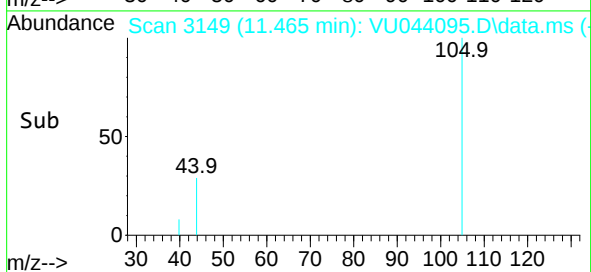
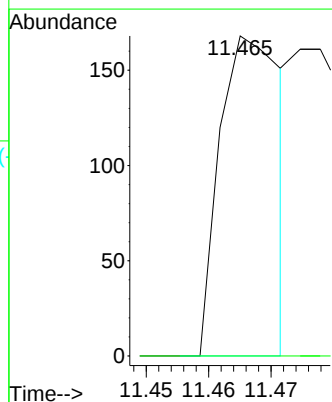
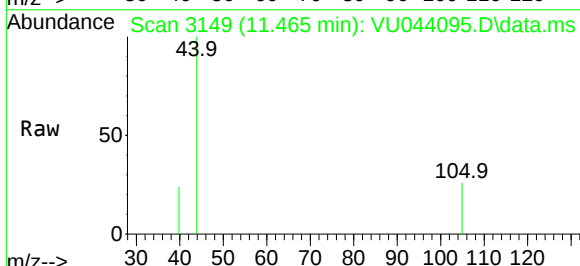
Instrument :
MSVOA_U
ClientSampleId :

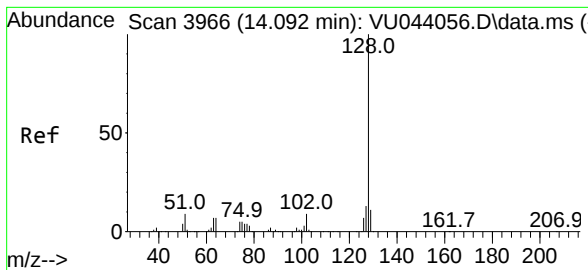
Tgt Ion: 75 Resp: 118200
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.957 ug/l
RT: 11.465 min Scan# 3149
Delta R.T. -0.010 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

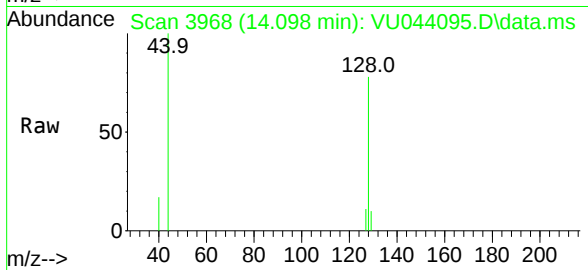
Tgt Ion: 105 Resp: 116
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.926 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044095.D
Acq: 08 Jun 2021 07:13

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	1249
Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.2	15.4#
129	1.6	8.7	13.1#

