

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060821\
 Data File : VU044128.D
 Acq On : 08 Jun 2021 21:15
 Operator : SY/MD
 Sample : M2612-39
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 23:15:58 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)

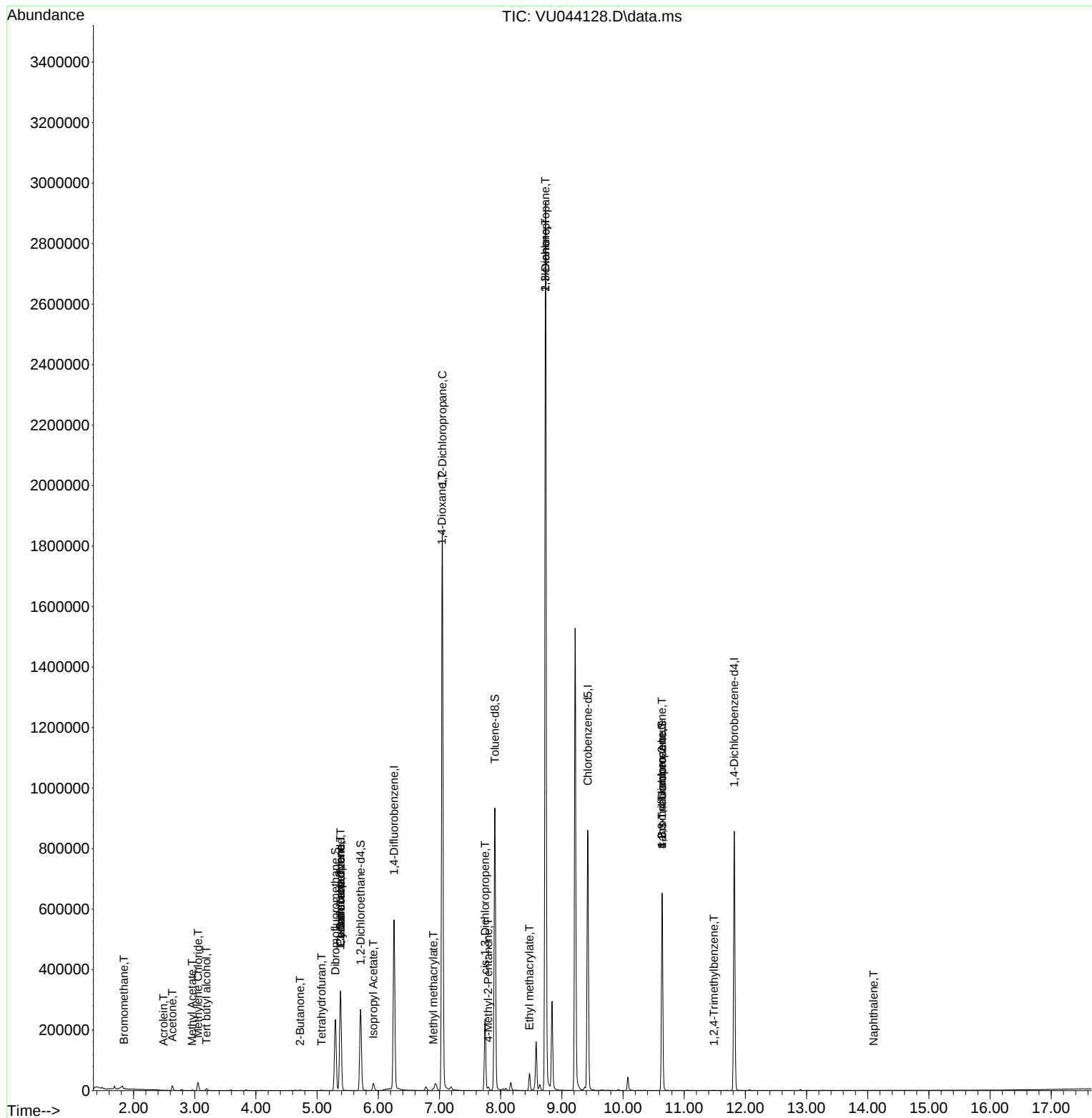
Internal Standards						
1) Pentafluorobenzene	5.382	168	212919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	429643	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	460127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	211813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	193629	52.217	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.440%	
35) Dibromofluoromethane	5.298	113	152723	49.812	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.620%	
50) Toluene-d8	7.906	98	597773	50.546	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.100%	
62) 4-Bromofluorobenzene	10.639	95	220603	47.115	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.220%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	914	Below Cal		95
5) Bromomethane	1.842	94	460	0.281	ug/l #	78
11) Tert butyl alcohol	3.192	59	3754	4.083	ug/l #	72
13) Acrolein	2.491	56	491	0.679	ug/l #	71
16) Acetone	2.633	43	16527	7.722	ug/l	100
18) Methyl Acetate	2.957	43	1973	0.418	ug/l	99
20) Methylene Chloride	3.054	84	12554	2.290	ug/l	97
25) 2-Butanone	4.722	43	3222	1.055	ug/l	93
29) Tetrahydrofuran	5.073	42	1127	0.665	ug/l #	52
31) Cyclohexane	5.382	56	5225	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	19560	4.041	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22493	5.143	ug/l #	17
43) Isopropyl Acetate	5.919	43	25189	2.921	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2424	0.609	ug/l #	42
48) Methyl methacrylate	6.899	41	9299	2.187	ug/l #	14
49) 1,4-Dioxane	7.041	88	230	2.200	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	7493	1.170	ug/l #	84
54) cis-1,3-Dichloropropene	7.745	75	41223	6.964	ug/l #	67
56) Ethyl methacrylate	8.468	69	381	3.441	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	29847	4.579	ug/l #	43
59) 2-Hexanone	8.732	43	386173	77.605	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	113176	19.100	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	113176	55.773	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.484	105	317	0.972	ug/l #	32
95) Naphthalene	14.095	128	603	2.885	ug/l #	69

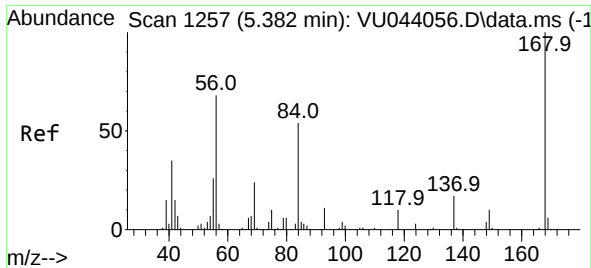
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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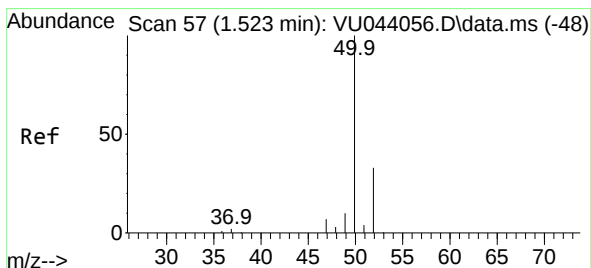
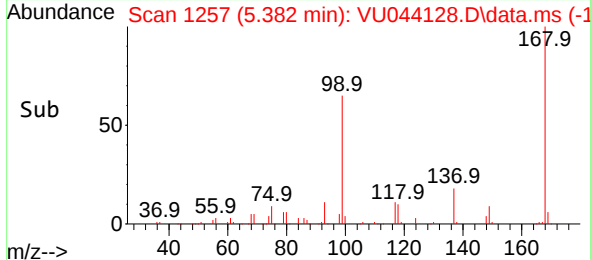
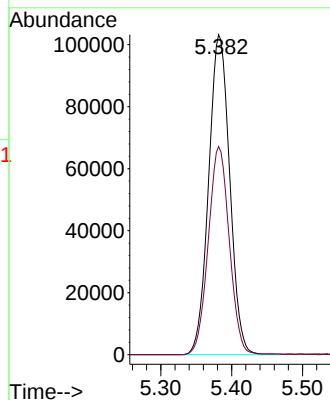
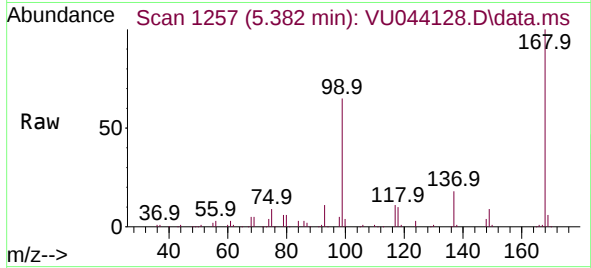




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

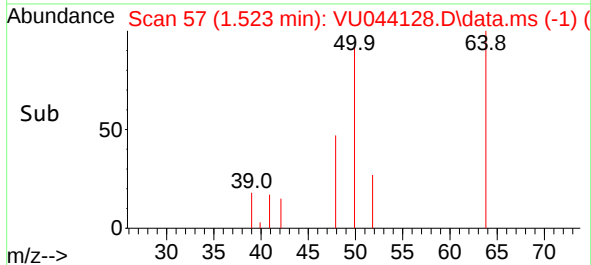
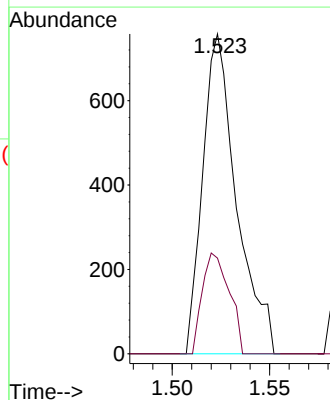
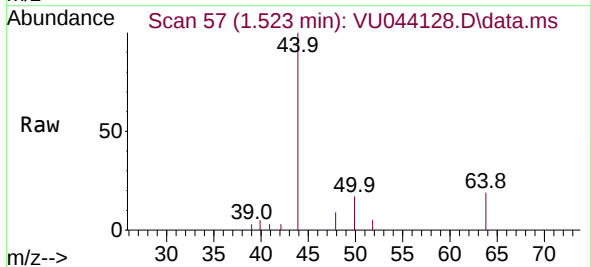
Instrument :
MSVOA_U
ClientSampled :

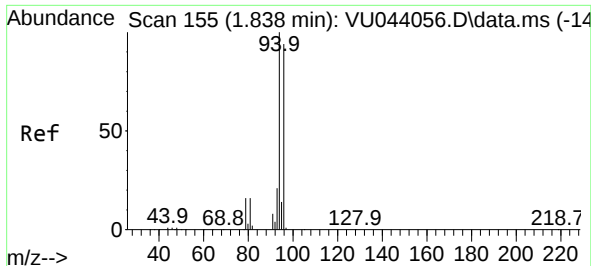
Tgt Ion:168 Resp: 212919
Ion Ratio Lower Upper
168 100
99 65.1 52.6 78.8



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion: 50 Resp: 914
Ion Ratio Lower Upper
50 100
52 29.9 26.2 39.2

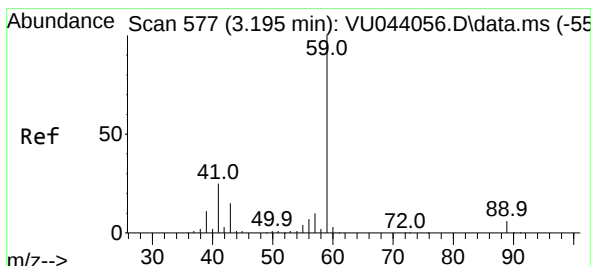
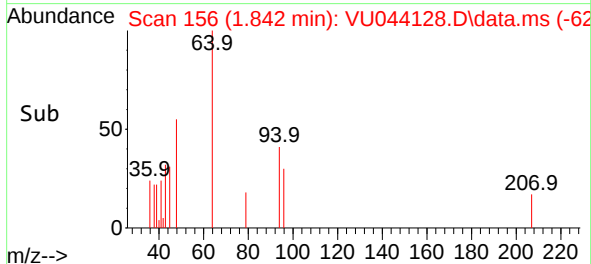
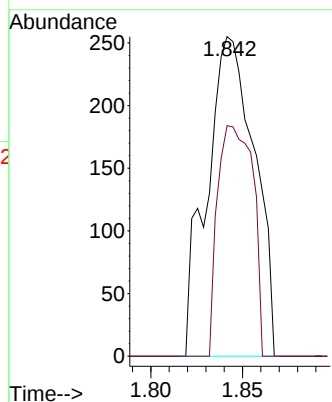
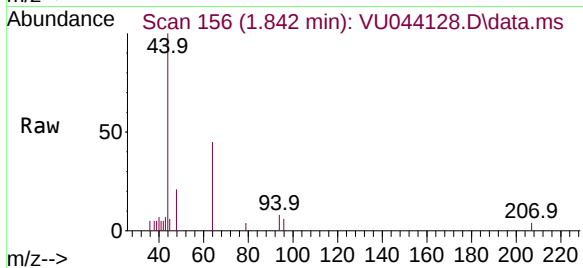




#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

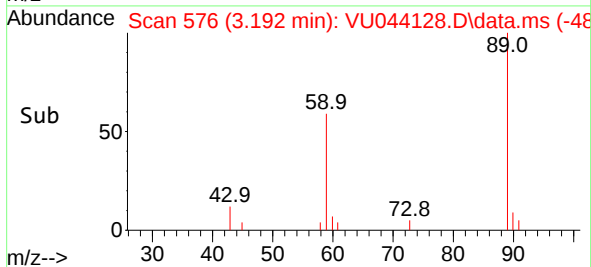
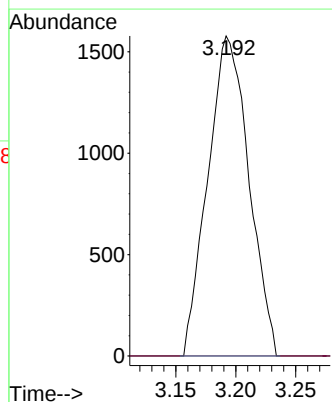
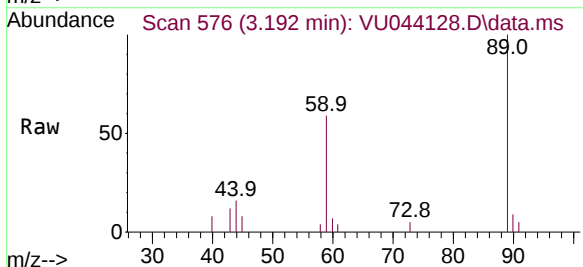
Instrument :
MSVOA_U
ClientSampleId :

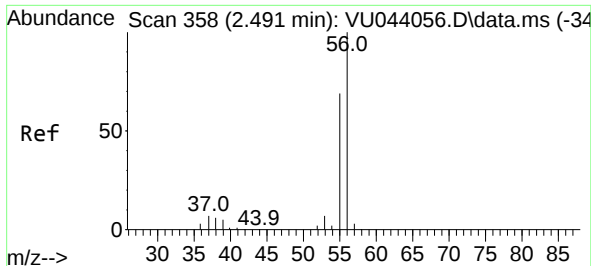
Tgt Ion: 94 Resp: 460
Ion Ratio Lower Upper
94 100
96 72.2 74.8 112.2#



#11
Tert butyl alcohol
Concen: 4.083 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion: 59 Resp: 3754
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

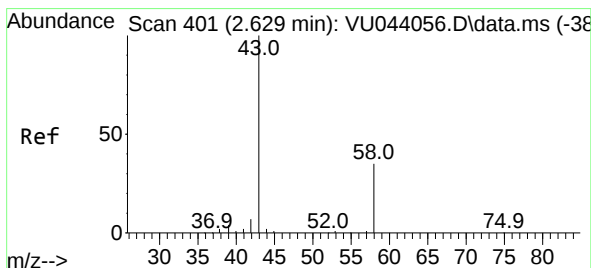
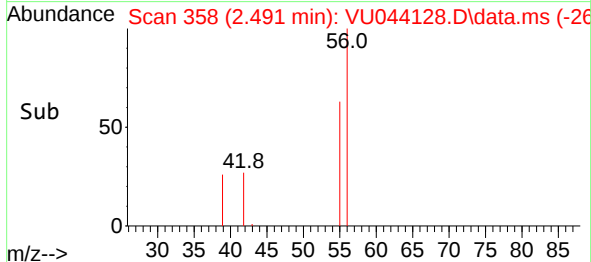
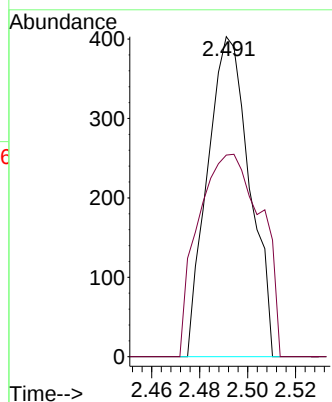
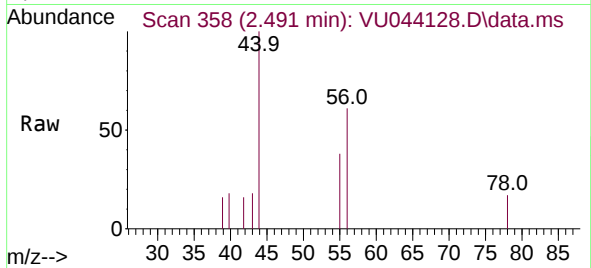




#13
Acrolein
Concen: 0.679 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

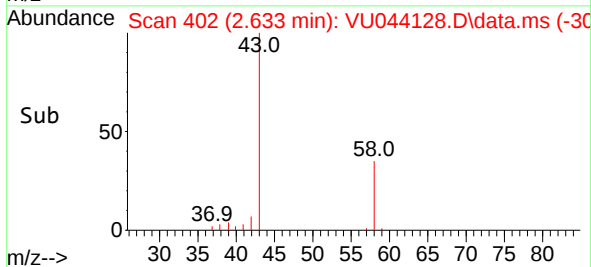
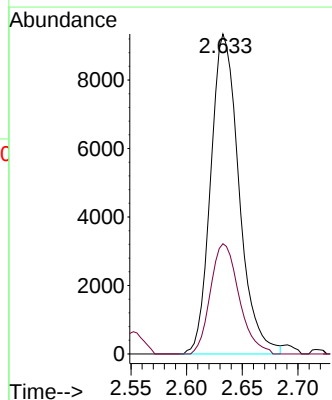
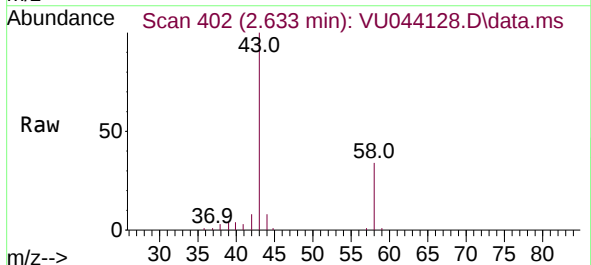
Instrument :
MSVOA_U
ClientSampled :

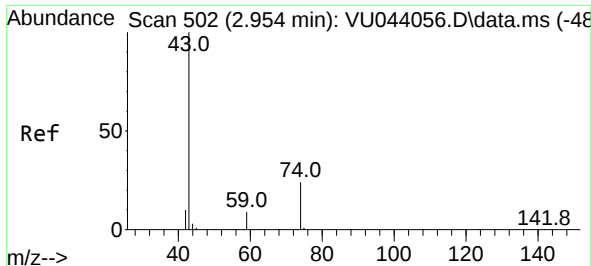
Tgt Ion: 56 Resp: 491
Ion Ratio Lower Upper
56 100
55 94.3 56.1 84.1#



#16
Acetone
Concen: 7.722 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.004 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion: 43 Resp: 16527
Ion Ratio Lower Upper
43 100
58 34.4 27.7 41.5





#18

Methyl Acetate

Concen: 0.418 ug/l

RT: 2.957 min Scan# 503

Delta R.T. 0.003 min

Lab File: VU044128.D

Acq: 08 Jun 2021 21:15

Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

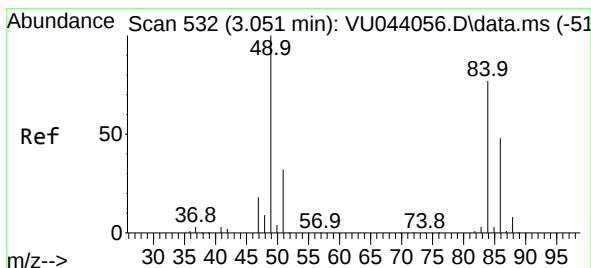
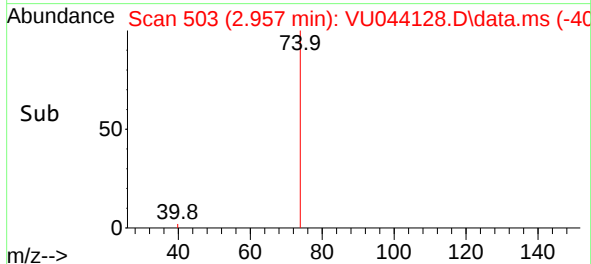
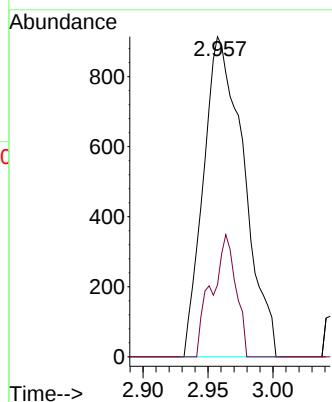
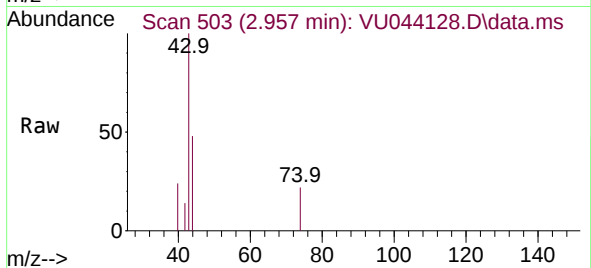
43 100

74 22.9 18.7 28.1

Instrument :

MSVOA_U

ClientSampled :



#20

Methylene Chloride

Concen: 2.290 ug/l

RT: 3.054 min Scan# 533

Delta R.T. 0.003 min

Lab File: VU044128.D

Acq: 08 Jun 2021 21:15

Tgt Ion: 84 Resp: 12554

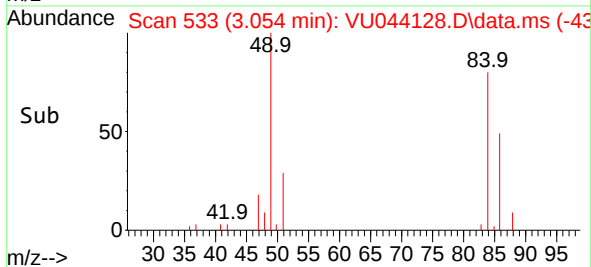
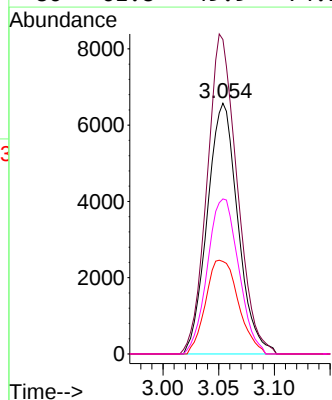
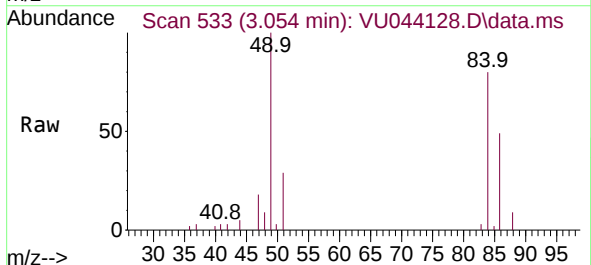
Ion Ratio Lower Upper

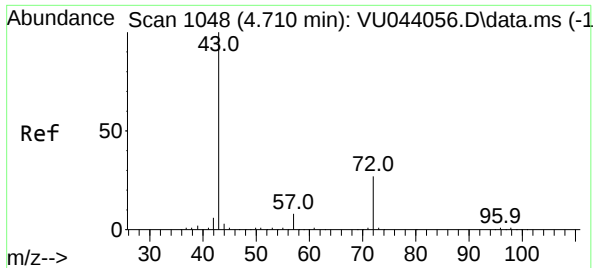
84 100

49 125.4 103.6 155.4

51 36.9 32.8 49.2

86 61.8 49.9 74.9

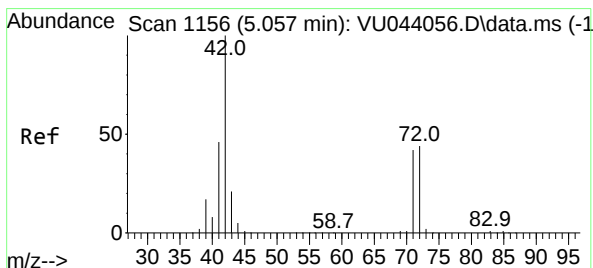
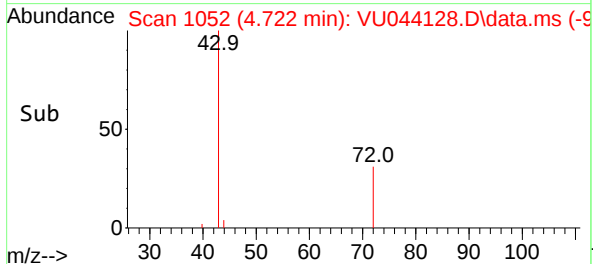
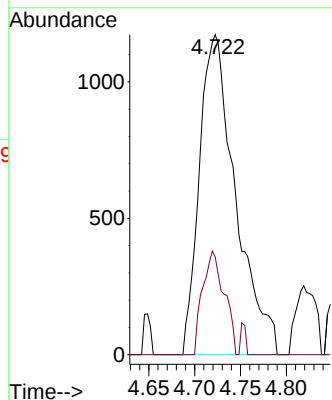
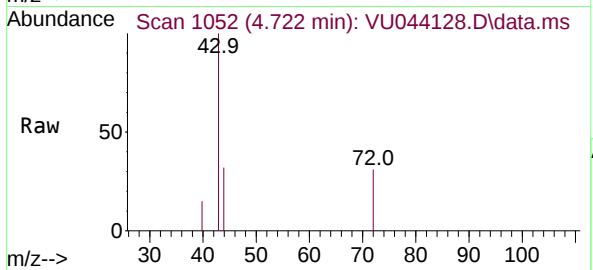




#25
2-Butanone
Concen: 1.055 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.012 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

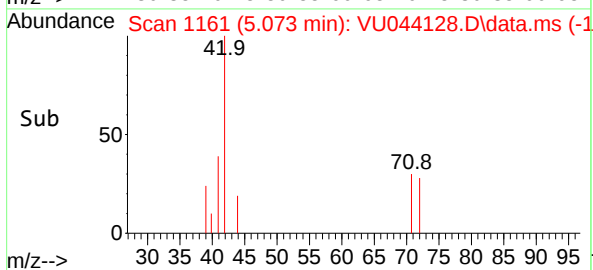
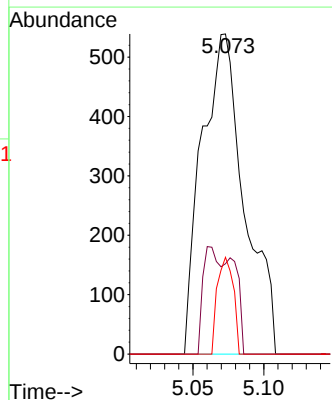
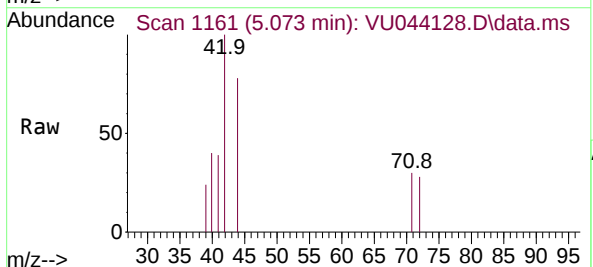
Instrument :
MSVOA_U
ClientSampled :

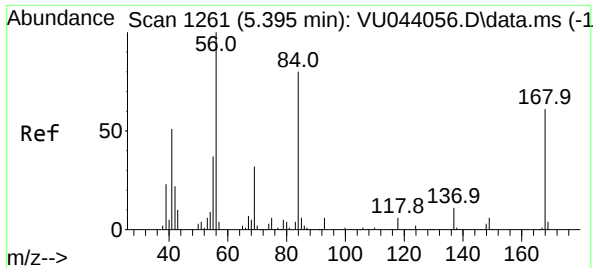
Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
72 30.5 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.665 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

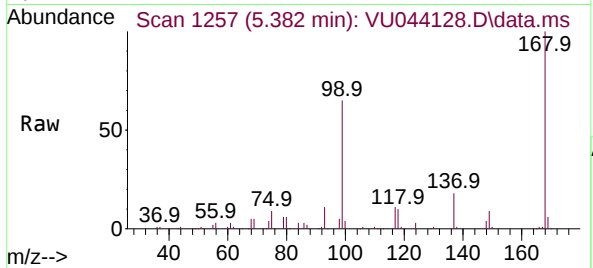
Tgt Ion: 42 Resp: 1127
Ion Ratio Lower Upper
42 100
72 13.6 35.6 53.4#
71 11.3 33.3 49.9#



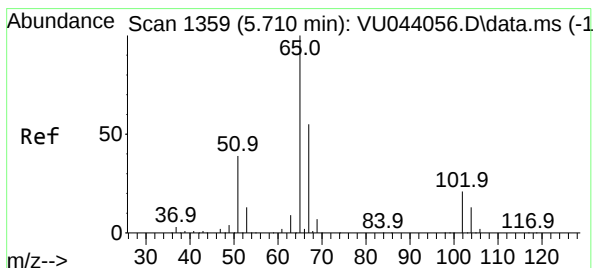
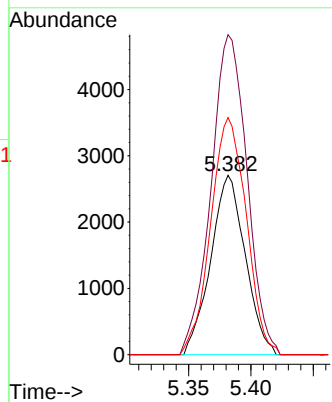
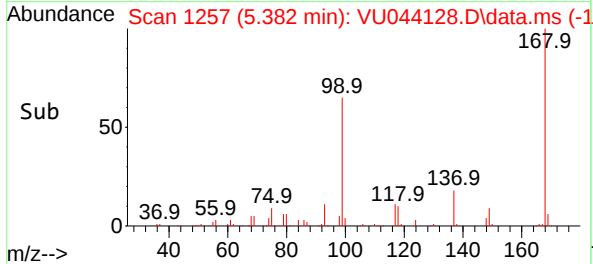


#31
Cyclohexane
Concen: 1.021 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

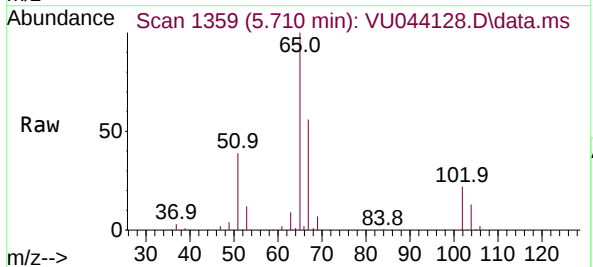
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ClientSampleId :



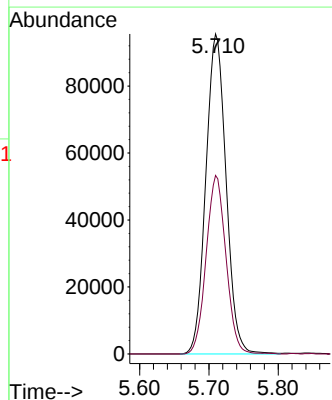
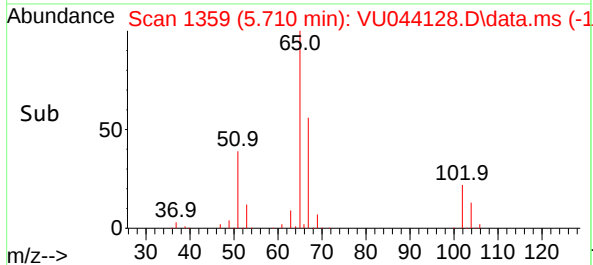
Tgt Ion: 56 Resp: 5225
Ion Ratio Lower Upper
56 100
69 178.4 25.4 38.2#
84 132.2 64.2 96.2#

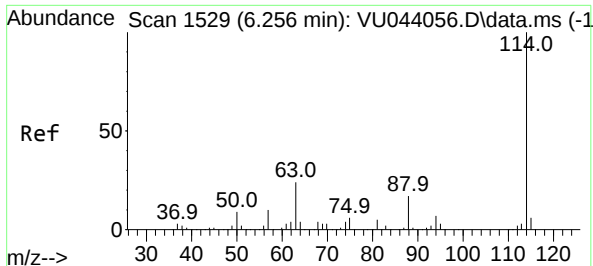


#33
1,2-Dichloroethane-d4
Concen: 52.217 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15



Tgt Ion: 65 Resp: 193629
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.2

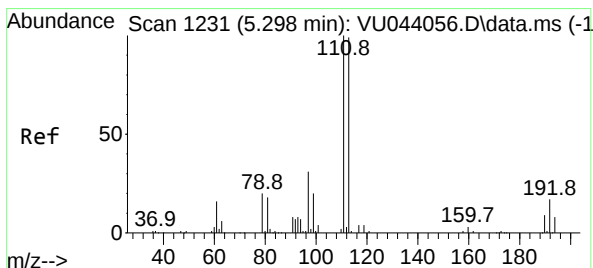
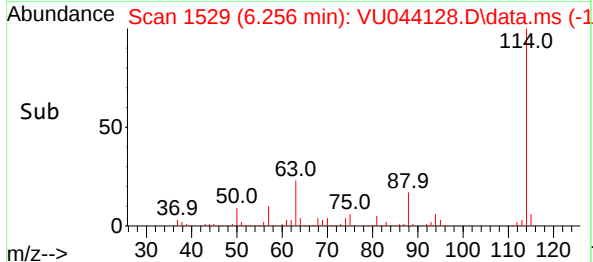
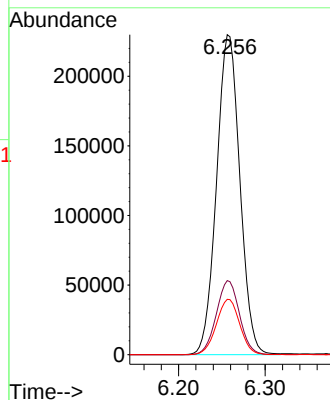
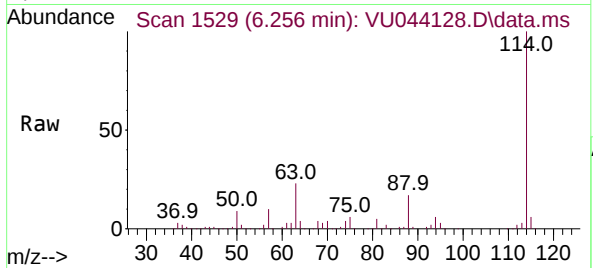




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

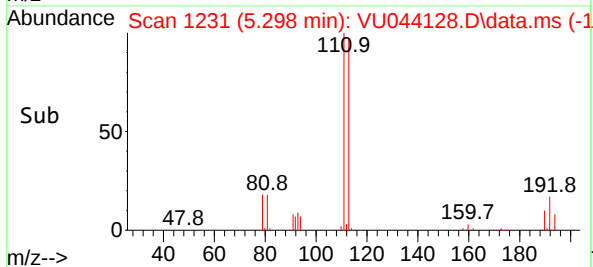
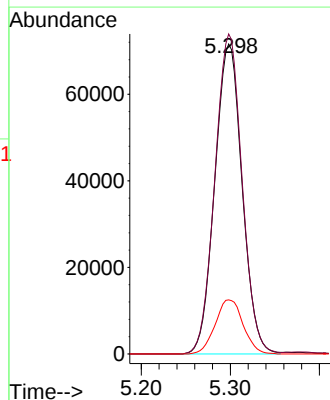
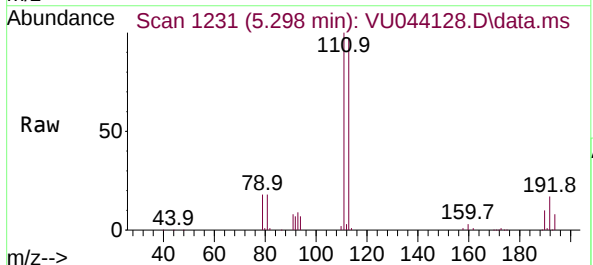
Instrument :
MSVOA_U
ClientSampleId :

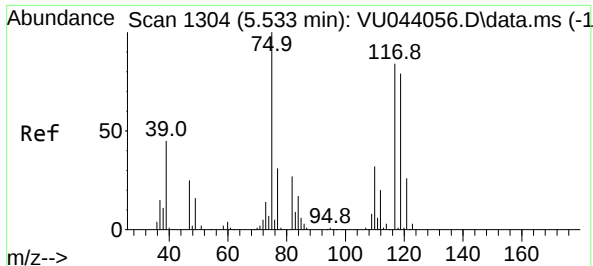
Tgt Ion:114 Resp: 429643
Ion Ratio Lower Upper
114 100
63 23.2 0.0 48.4
88 17.3 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.812 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion:113 Resp: 152723
Ion Ratio Lower Upper
113 100
111 102.7 82.1 123.1
192 17.9 13.8 20.8



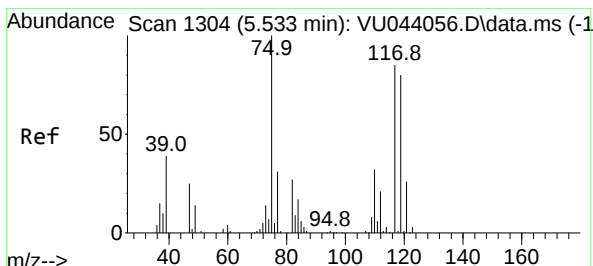
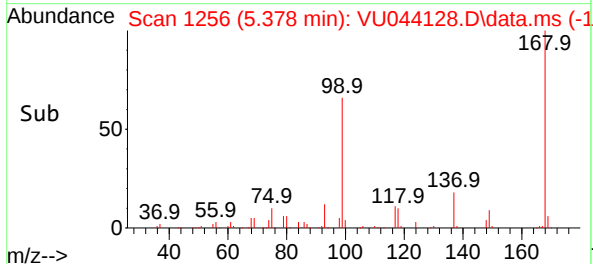
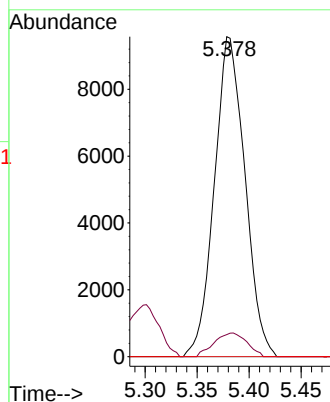
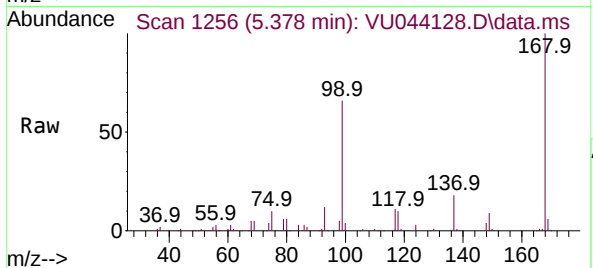


#36

1,1-Dichloropropene
Concen: 4.041 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.155 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Instrument :
MSVOA_U
ClientSampled :

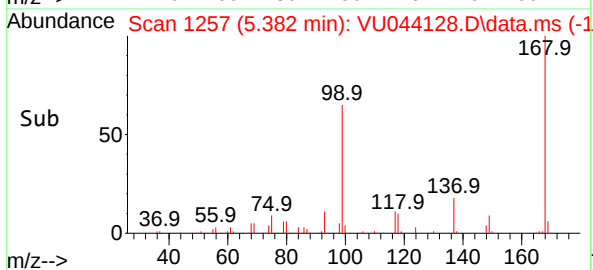
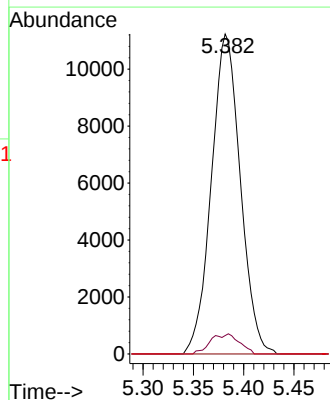
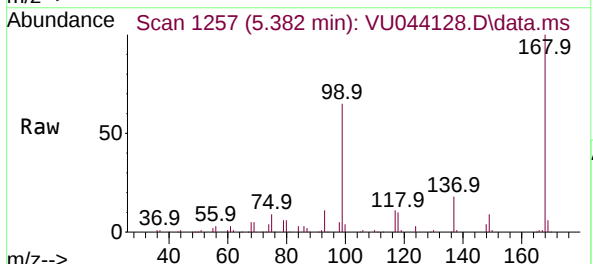
Tgt Ion: 75 Resp: 19560
Ion Ratio Lower Upper
75 100
110 8.0 15.9 47.7#
77 0.0 25.0 37.4#

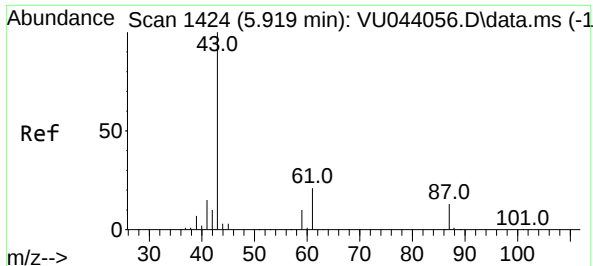


#38

Carbon Tetrachloride
Concen: 5.143 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

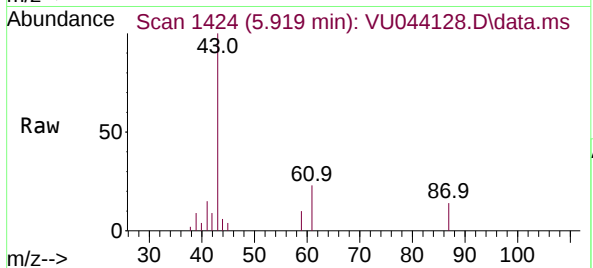
Tgt Ion: 117 Resp: 22493
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 24.5 36.7#



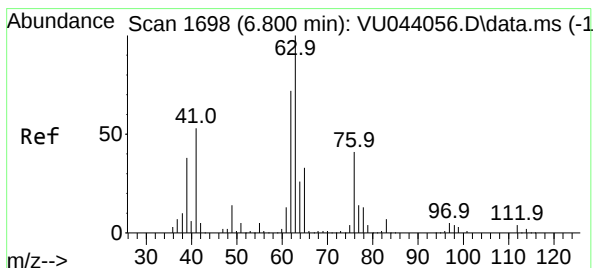
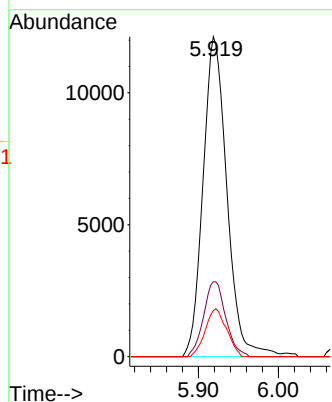
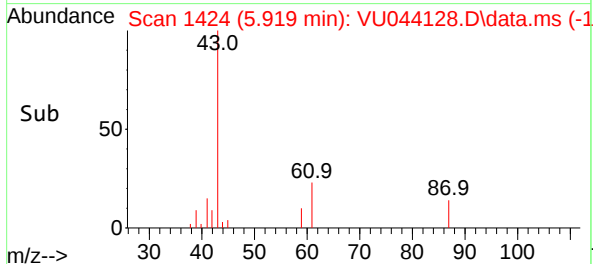


#43
Isopropyl Acetate
Concen: 2.921 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

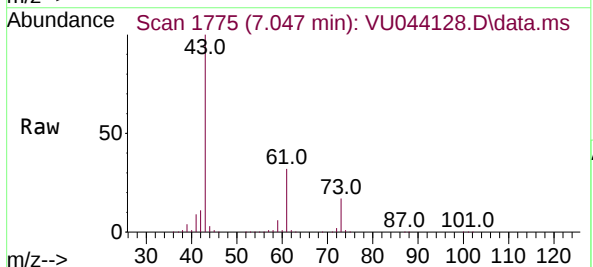
Instrument :
MSVOA_U
ClientSampled :



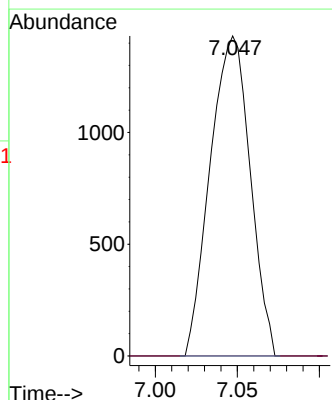
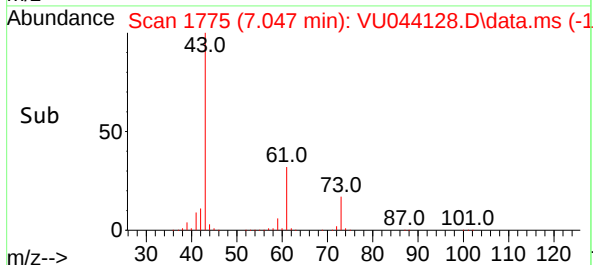
Tgt Ion: 43 Resp: 25189
Ion Ratio Lower Upper
43 100
61 21.8 16.8 25.2
87 13.3 10.2 15.2

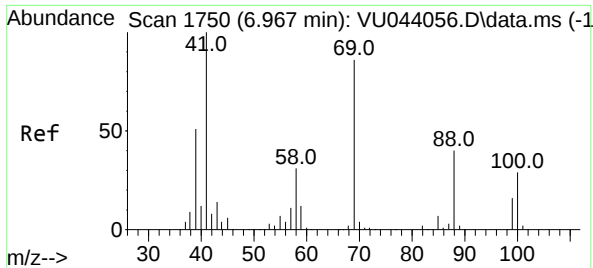


#45
1,2-Dichloropropane
Concen: 0.609 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15



Tgt Ion: 63 Resp: 2424
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

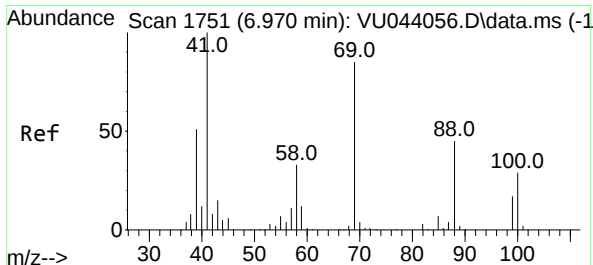
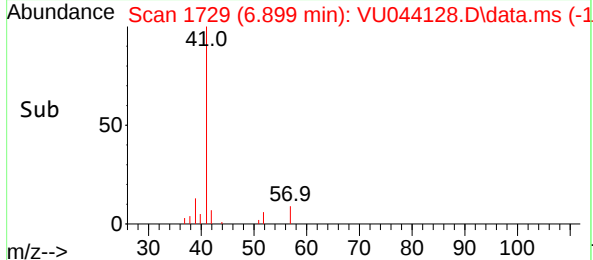
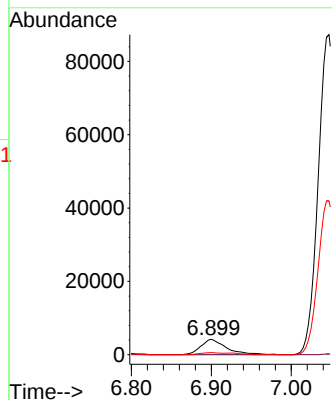
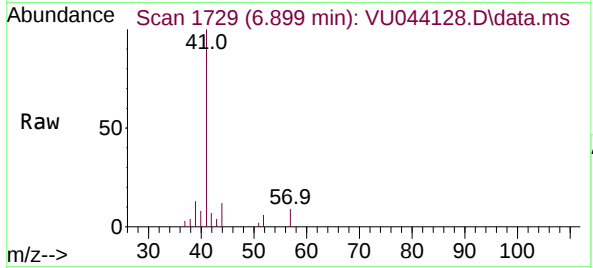




#48
Methyl methacrylate
Concen: 2.187 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

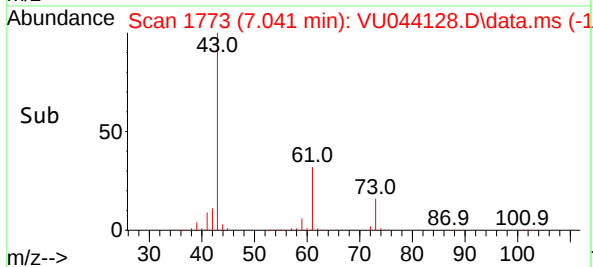
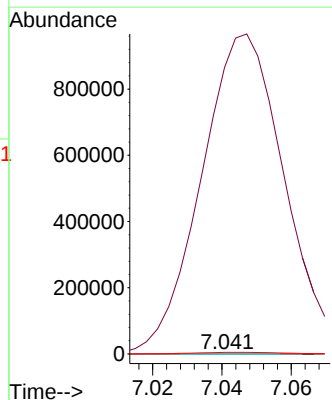
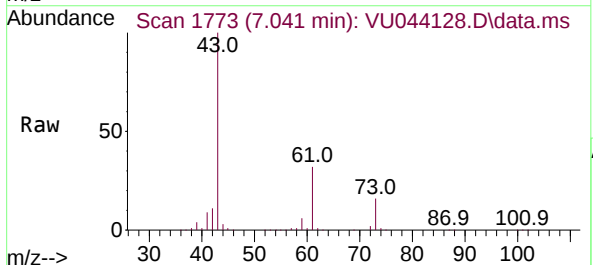
Instrument :
MSVOA_U
ClientSampled :

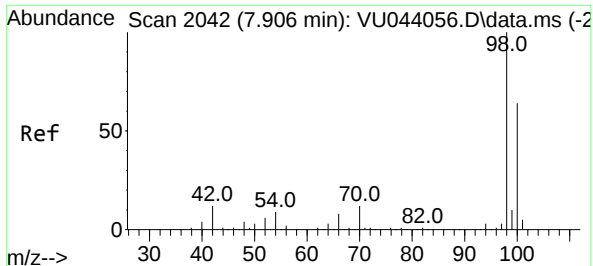
Tgt Ion: 41 Resp: 9299
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 2.200 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.071 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion: 88 Resp: 230
Ion Ratio Lower Upper
88 100
43 712337.4 25.0 37.4#
58 4042.2 60.0 90.0#





#50

Toluene-d8

Concen: 50.546 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044128.D

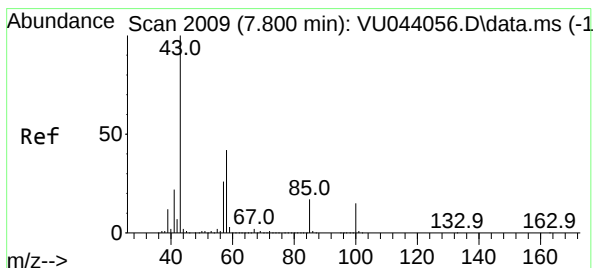
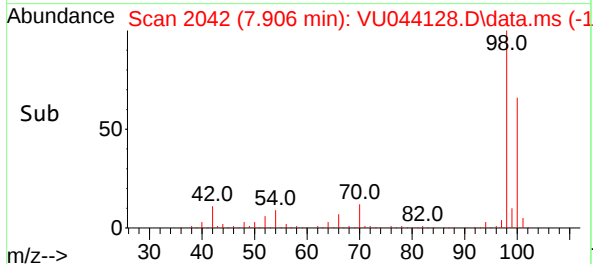
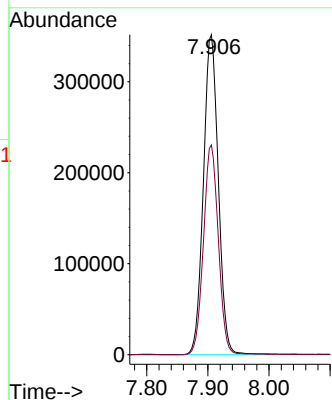
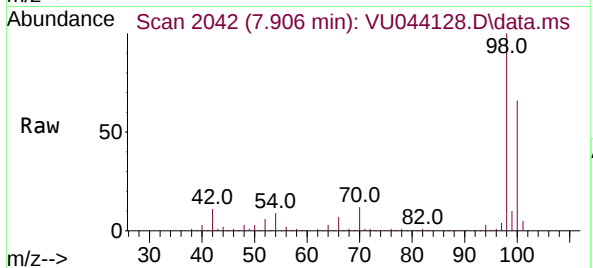
Acq: 08 Jun 2021 21:15

Tgt Ion: 98 Resp: 597773

Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.170 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. -0.004 min

Lab File: VU044128.D

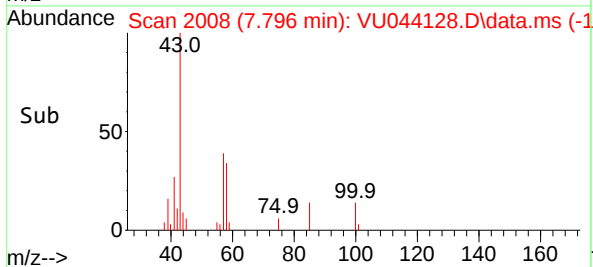
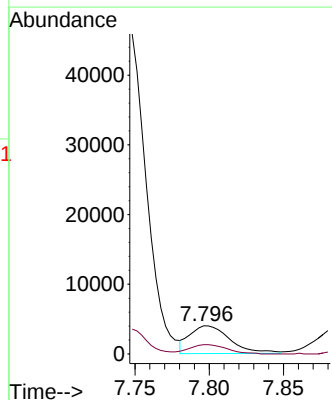
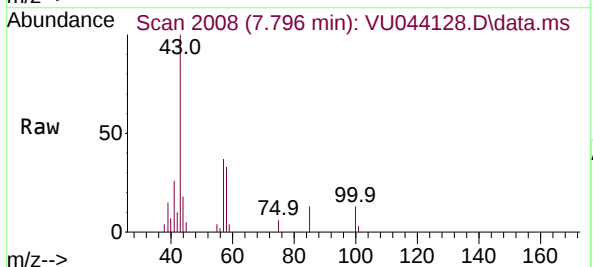
Acq: 08 Jun 2021 21:15

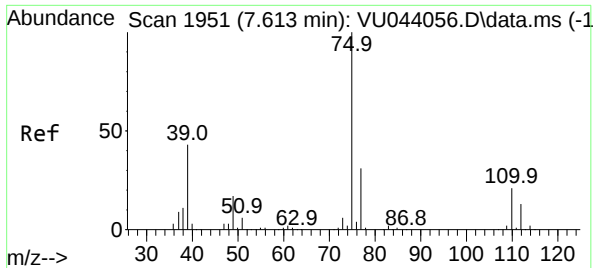
Tgt Ion: 43 Resp: 7493

Ion Ratio Lower Upper

43 100

58 31.4 33.3 49.9#

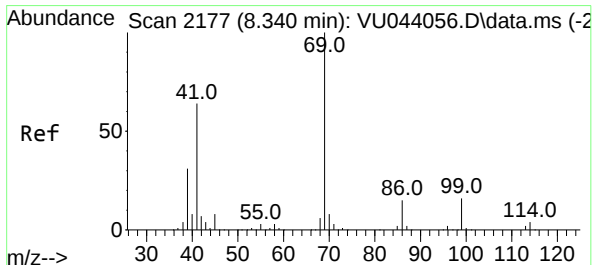
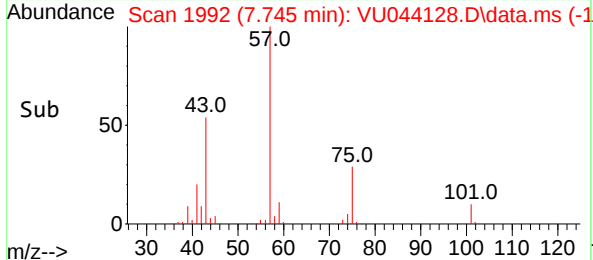
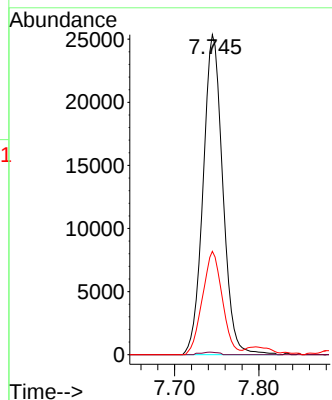
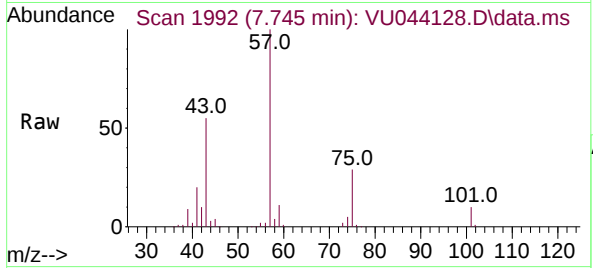




#54
 cis-1,3-Dichloropropene
 Concen: 6.964 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044128.D
 Acq: 08 Jun 2021 21:15

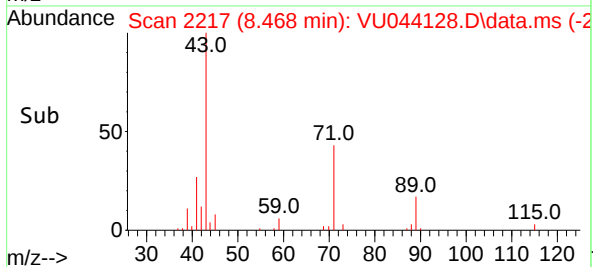
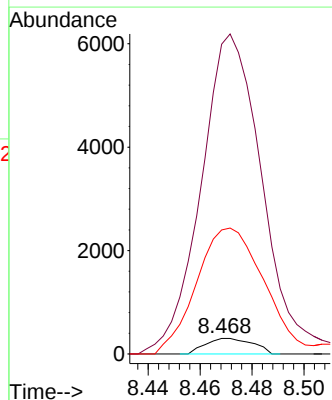
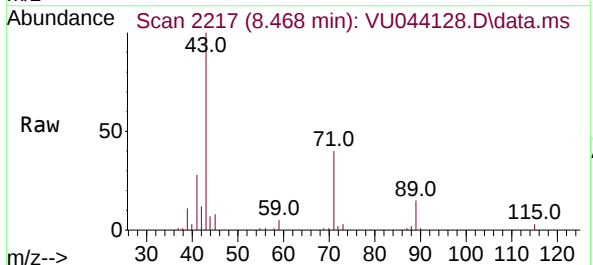
Instrument :
 MSVOA_U
 ClientSampled :

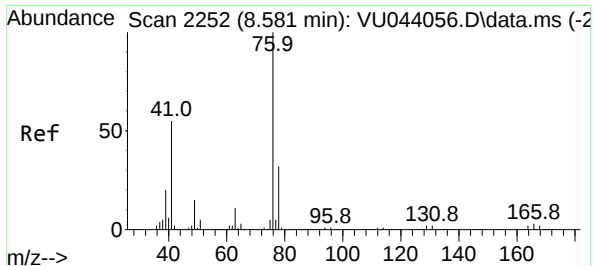
Tgt Ion: 75 Resp: 41223
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 32.3 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.441 ug/l
 RT: 8.468 min Scan# 2217
 Delta R.T. 0.128 min
 Lab File: VU044128.D
 Acq: 08 Jun 2021 21:15

Tgt Ion: 69 Resp: 381
 Ion Ratio Lower Upper
 69 100
 41 2665.4 51.4 77.0#
 39 1155.6 24.9 37.3#



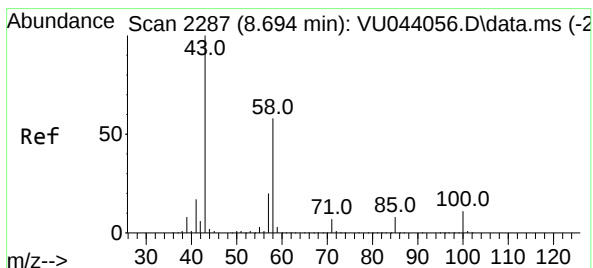
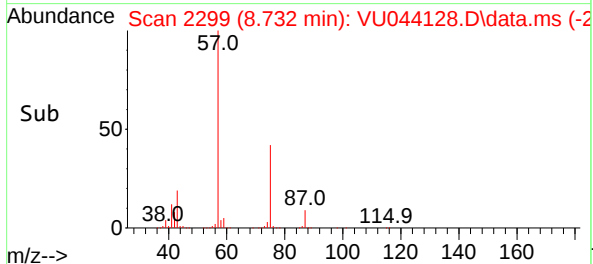
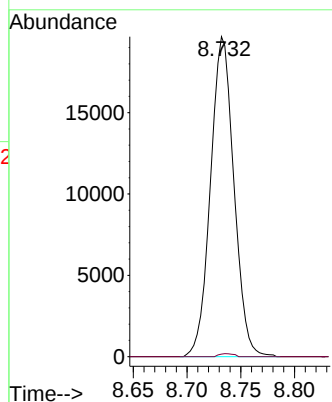
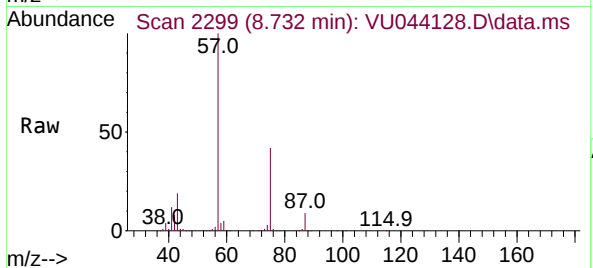


#57

1,3-Dichloropropane
Concen: 4.579 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Instrument :
MSVOA_U
ClientSampled :

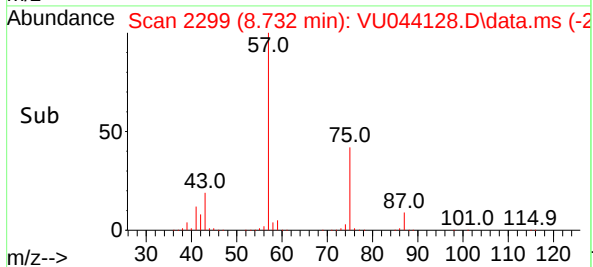
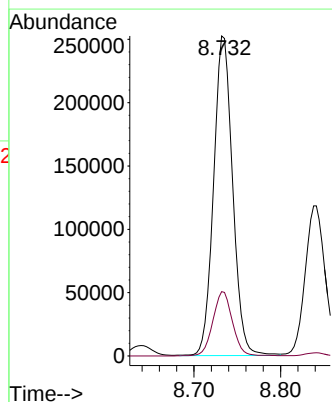
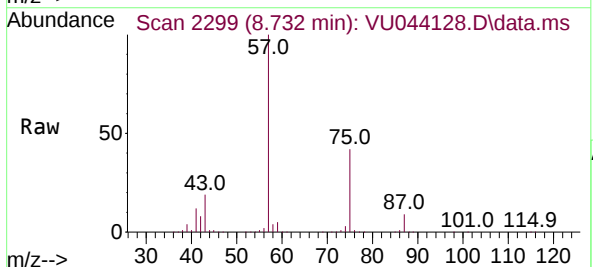
Tgt Ion: 76 Resp: 29847
Ion Ratio Lower Upper
76 100
78 0.6 25.9 38.9#

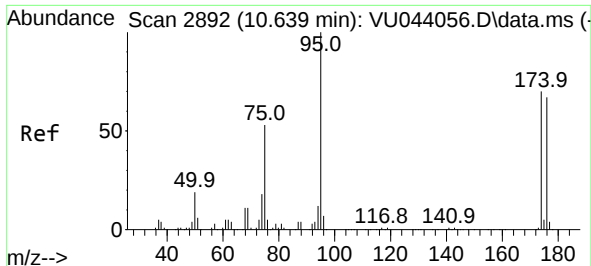


#59

2-Hexanone
Concen: 77.605 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion: 43 Resp: 386173
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#

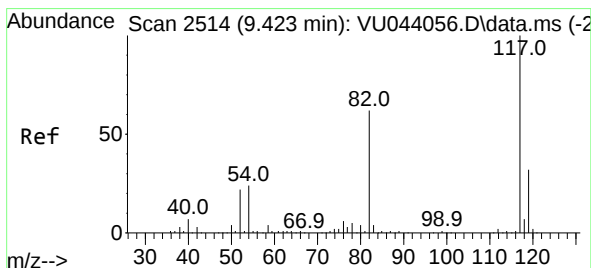
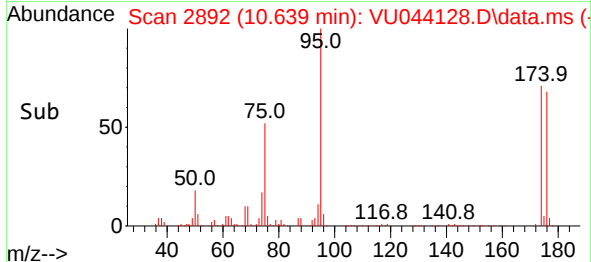
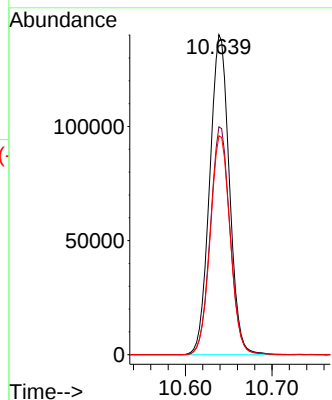
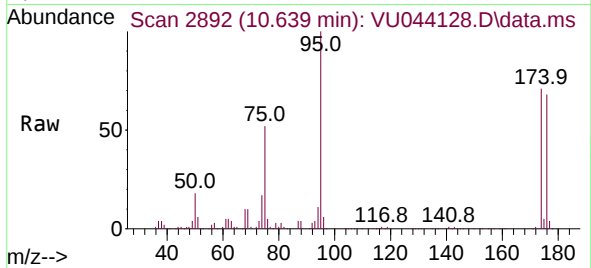




#62
4-Bromofluorobenzene
Concen: 47.115 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

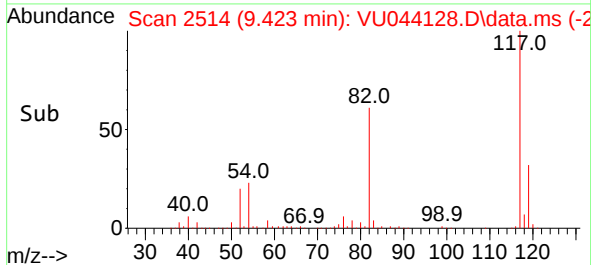
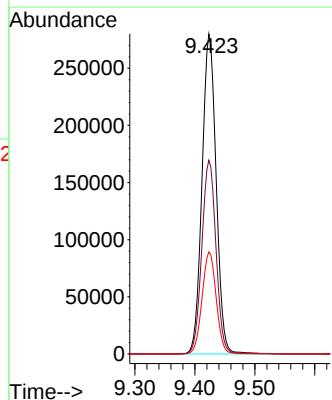
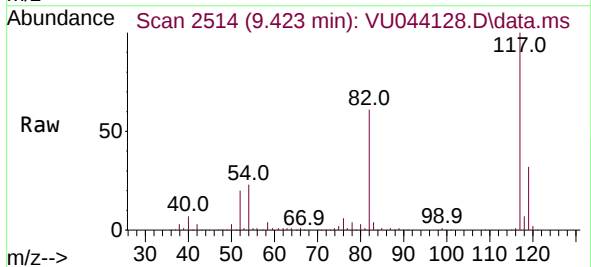
Instrument :
MSVOA_U
ClientSampleId :

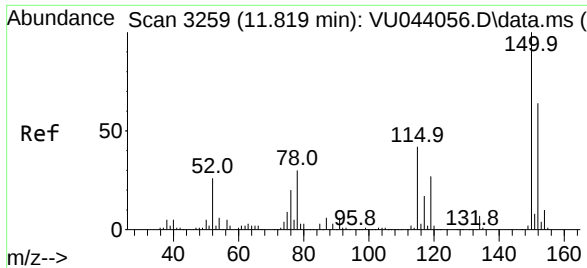
Tgt Ion: 95 Resp: 220603
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.0
176 69.4 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

Tgt Ion: 117 Resp: 460127
Ion Ratio Lower Upper
117 100
82 60.6 50.0 75.0
119 31.9 25.9 38.9

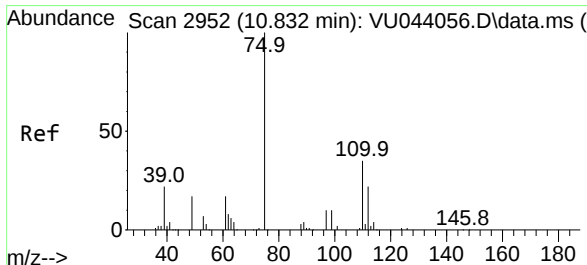
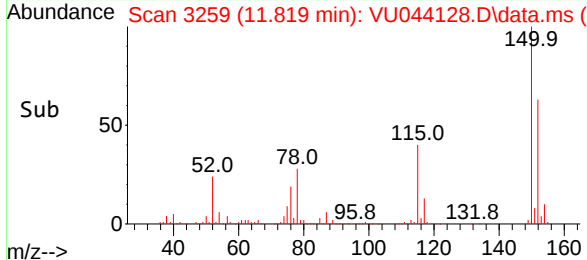
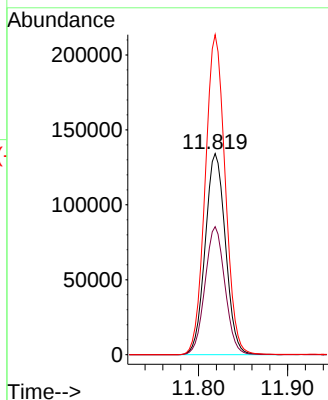
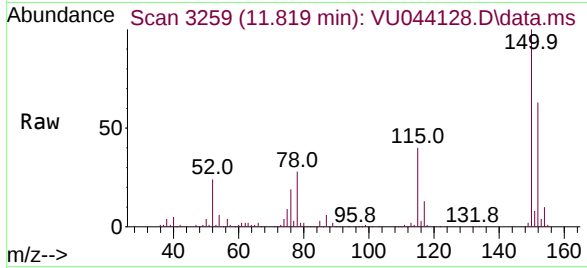




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044128.D
 Acq: 08 Jun 2021 21:15

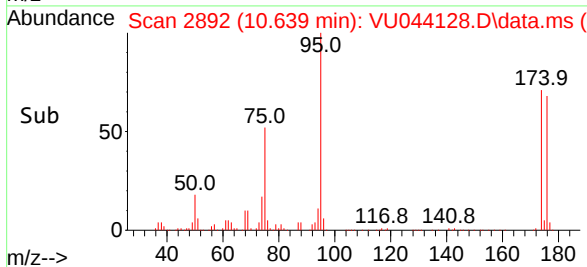
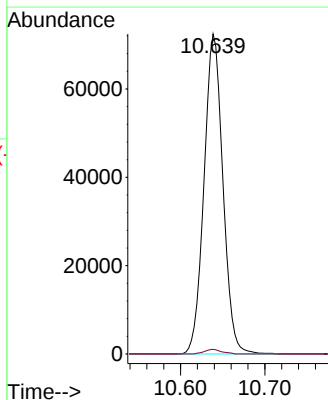
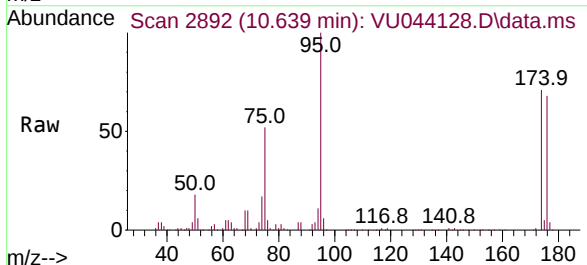
Instrument :
 MSVOA_U
 ClientSampled :

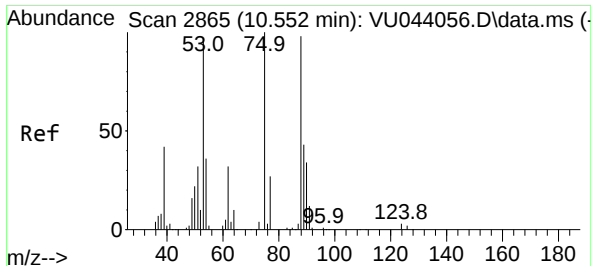
Tgt Ion:152 Resp: 211813
 Ion Ratio Lower Upper
 152 100
 115 62.6 44.6 134.0
 150 156.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 19.100 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044128.D
 Acq: 08 Jun 2021 21:15

Tgt Ion: 75 Resp: 113176
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.9 50.6#

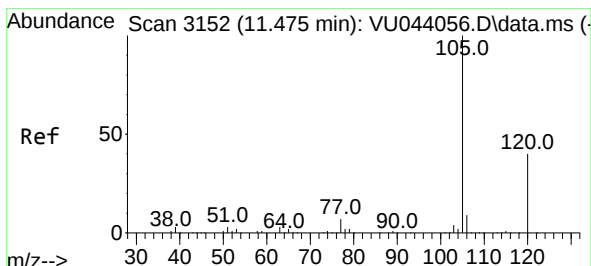
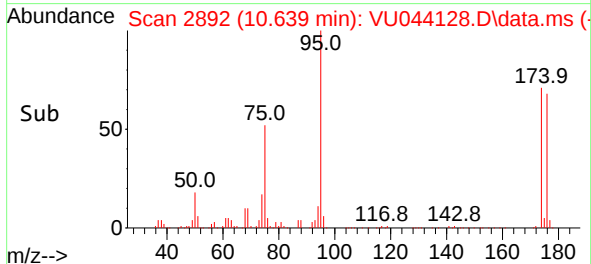
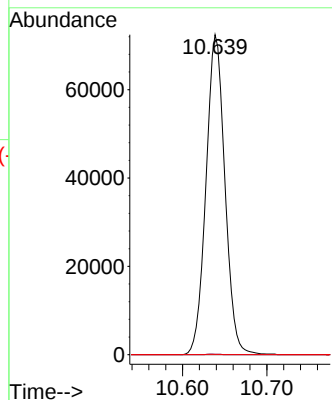
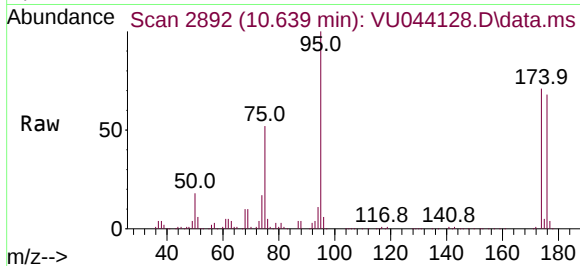




#81
trans-1,4-Dichloro-2-butene
Concen: 55.773 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

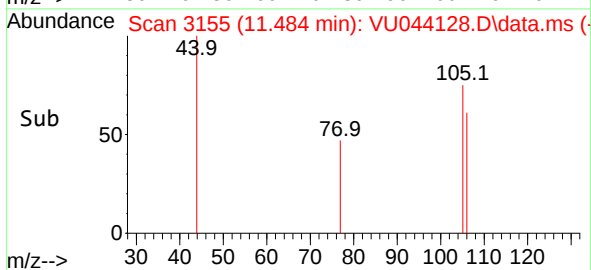
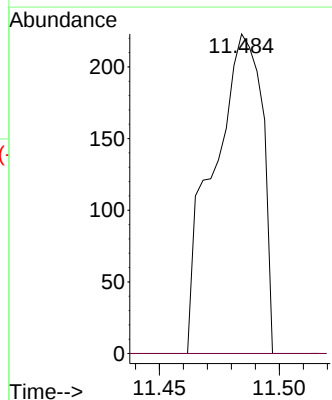
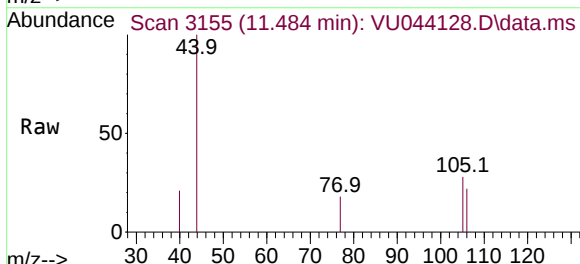
Instrument :
MSVOA_U
ClientSampled :

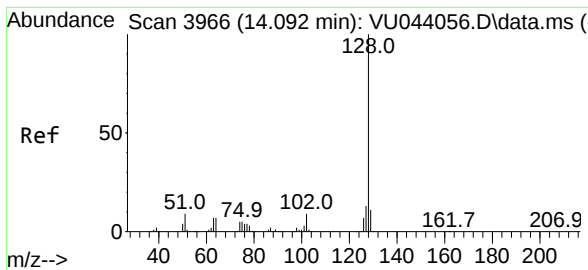
Tgt Ion: 75 Resp: 113176
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.972 ug/l
RT: 11.484 min Scan# 3155
Delta R.T. 0.009 min
Lab File: VU044128.D
Acq: 08 Jun 2021 21:15

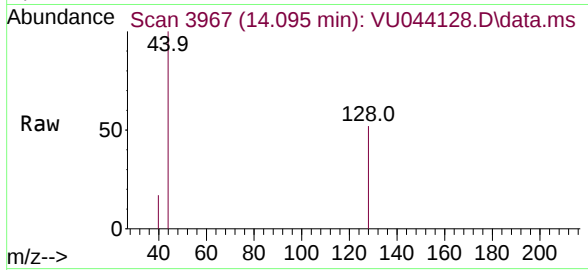
Tgt Ion: 105 Resp: 317
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#





#95
 Naphthalene
 Concen: 2.885 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.003 min
 Lab File: VU044128.D
 Acq: 08 Jun 2021 21:15

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	603
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

