

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044084.D
 Acq On : 08 Jun 2021 02:31
 Operator : SY/MD
 Sample : M2580-31
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 18-B5(2-4)

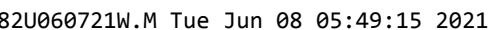
Quant Time: Jun 08 05:49:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 08 05:21:34 2021
 Response via : Initial Calibration

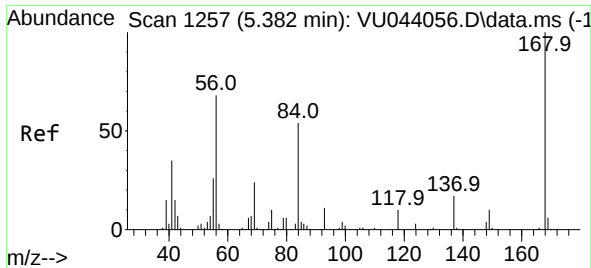
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	207576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	419244	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	441474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	203595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	193770	53.600	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.200%	
35) Dibromofluoromethane	5.298	113	147437	49.280	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.560%	
50) Toluene-d8	7.906	98	586898	50.858	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.720%	
62) 4-Bromofluorobenzene	10.639	95	212190	46.442	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.880%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	1127	0.262	ug/l	96
5) Bromomethane	1.848	94	504	0.316	ug/l	86
6) Chloroethane	1.935	64	538	0.229	ug/l #	43
11) Tert butyl alcohol	3.195	59	5060	5.646	ug/l #	72
13) Acrolein	2.498	56	147	0.209	ug/l #	51
16) Acetone	2.633	43	50534	24.220	ug/l	96
17) Carbon Disulfide	2.797	76	2160	0.254	ug/l #	94
18) Methyl Acetate	2.961	43	2094	0.455	ug/l #	76
20) Methylene Chloride	3.054	84	10159	1.602	ug/l	98
25) 2-Butanone	4.719	43	10187	3.422	ug/l	100
31) Cyclohexane	5.379	56	5257	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19724	4.176	ug/l #	50
37) Ethyl Acetate	4.719	43	10187	1.712	ug/l #	68
38) Carbon Tetrachloride	5.382	117	23162	5.427	ug/l #	17
40) Benzene	5.780	78	4668	0.328	ug/l	97
43) Isopropyl Acetate	5.922	43	23651	2.811	ug/l	99
45) 1,2-Dichloropropane	7.044	63	1854	0.477	ug/l #	42
48) Methyl methacrylate	6.903	41	6853	1.652	ug/l #	14
49) 1,4-Dioxane	7.047	88	169	1.657	ug/l #	1
51) 4-Methyl-2-Pentanone	7.796	43	8257	1.321	ug/l	97
54) cis-1,3-Dichloropropene	7.745	75	35992	6.231	ug/l #	70
56) Ethyl methacrylate	8.472	69	226	3.419	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	21808	3.429	ug/l #	42
59) 2-Hexanone	8.732	43	286219	58.945	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	109709	19.263	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	109709	56.247	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	568	0.991	ug/l	90
95) Naphthalene	14.095	128	24709	4.524	ug/l	99

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

Quant Time: Jun 08 05:49:11 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

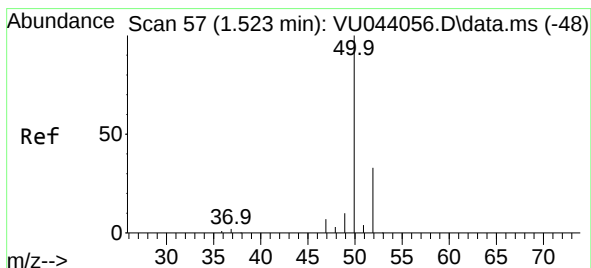
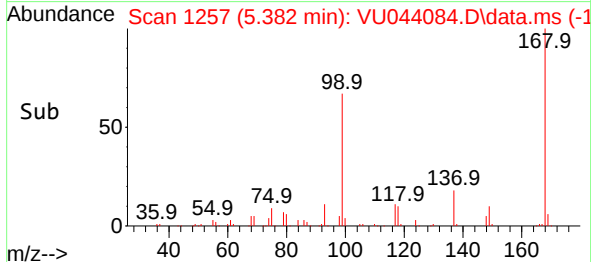
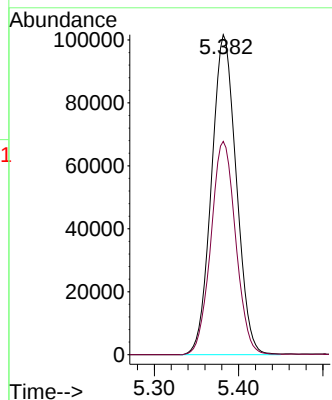
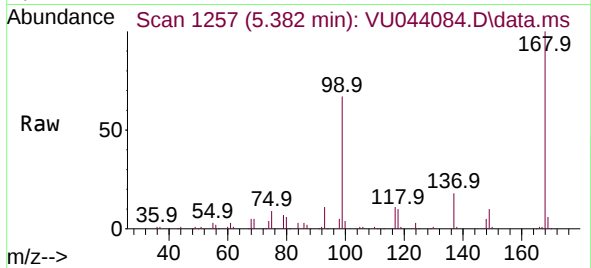




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

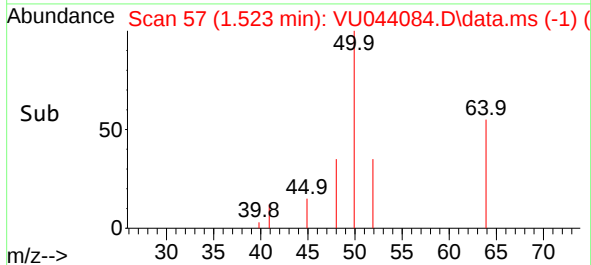
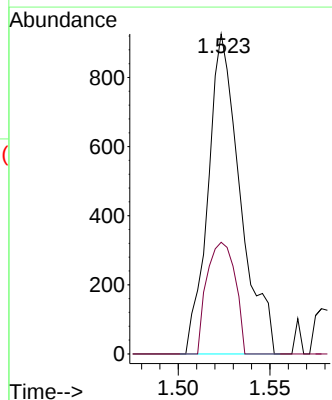
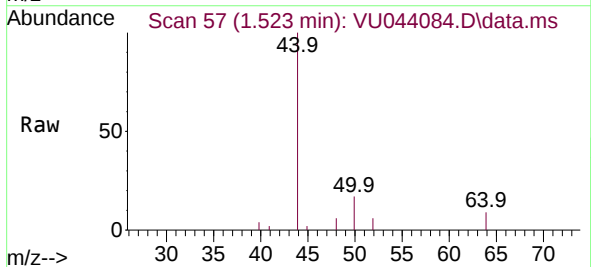
Instrument :
MSVOA_U
ClientSampleId :
18-B5(2-4)

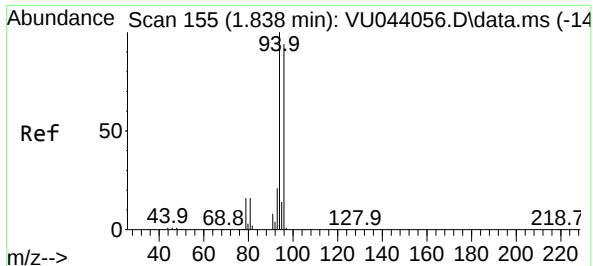
Tgt Ion:168 Resp: 207576
Ion Ratio Lower Upper
168 100
99 66.7 52.6 78.8



#3
Chloromethane
Concen: 0.262 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 50 Resp: 1127
Ion Ratio Lower Upper
50 100
52 34.9 26.2 39.2

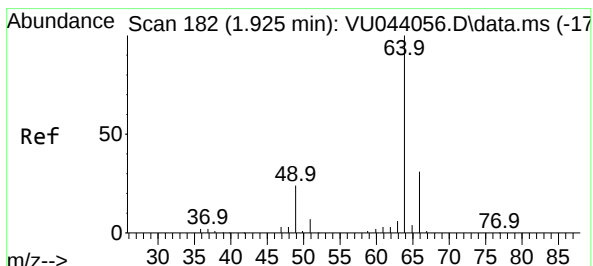
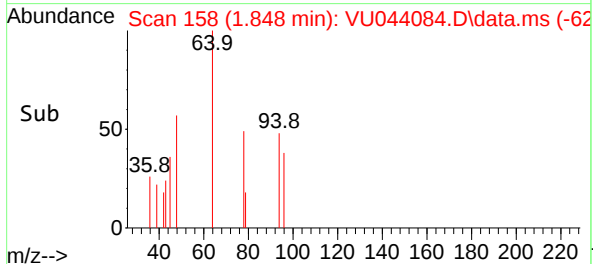
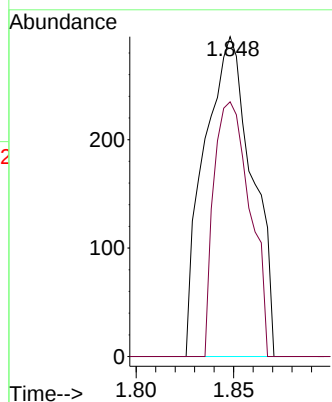
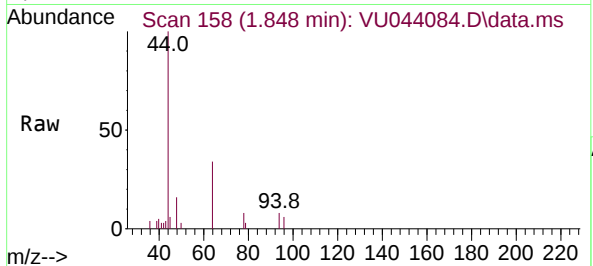




#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.848 min Scan# 158
Delta R.T. 0.010 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

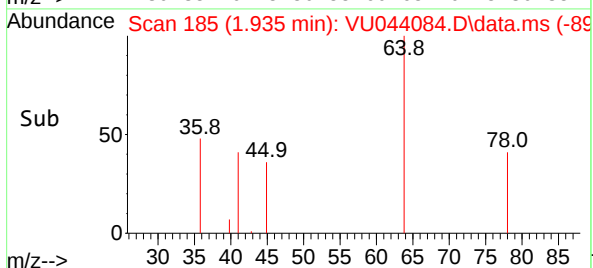
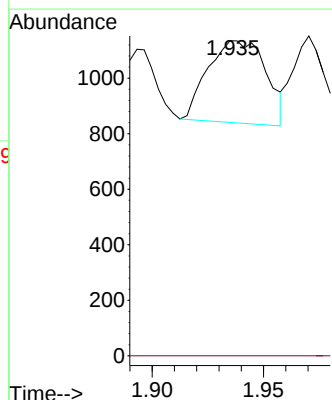
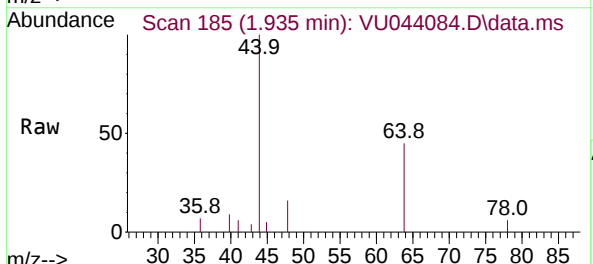
Instrument :
MSVOA_U
ClientSampleId :
18-B5(2-4)

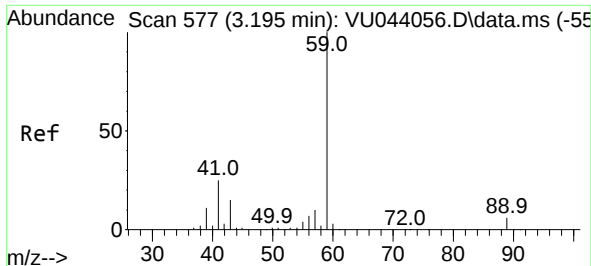
Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 79.7 74.8 112.2



#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.935 min Scan# 185
Delta R.T. 0.010 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 64 Resp: 538
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

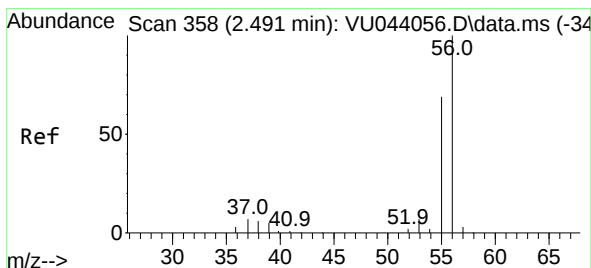
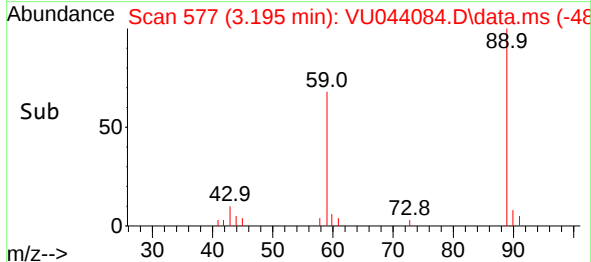
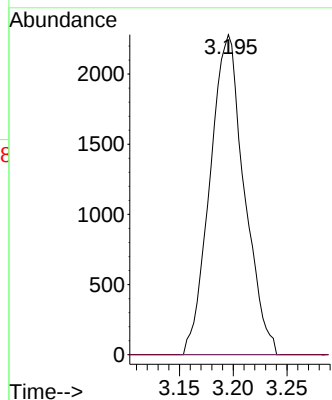
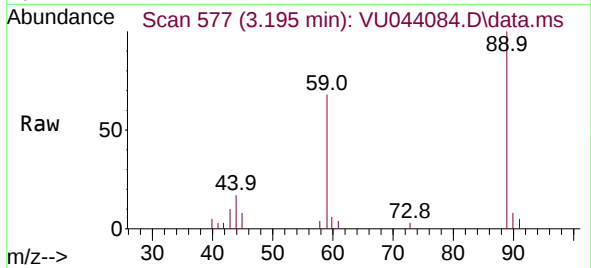




#11
Tert butyl alcohol
Concen: 5.646 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

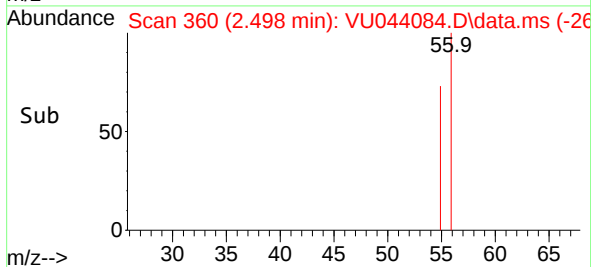
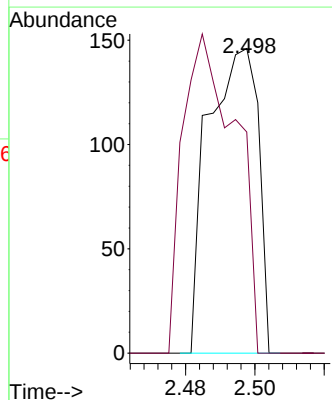
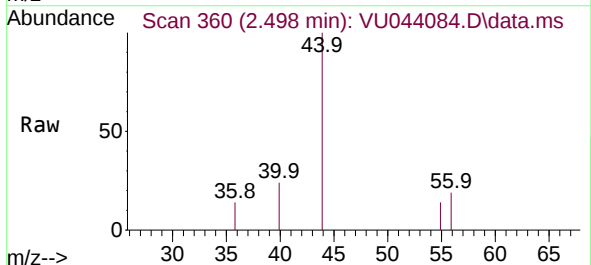
Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

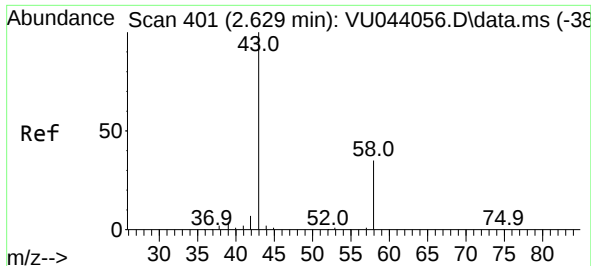
Tgt Ion: 59 Resp: 5060
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.209 ug/l
RT: 2.498 min Scan# 360
Delta R.T. 0.006 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

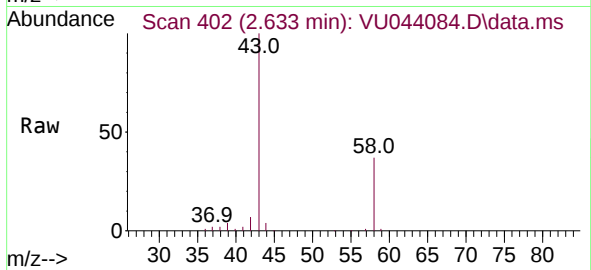
Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 110.2 56.1 84.1#



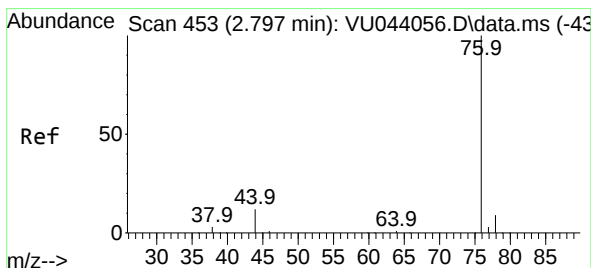
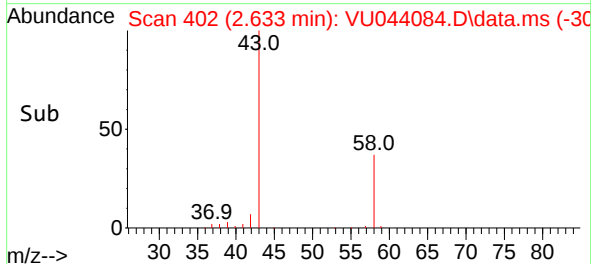
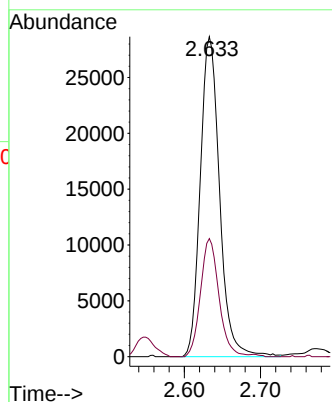


#16
Acetone
Concen: 24.220 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

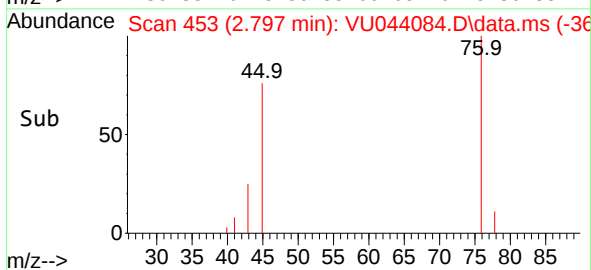
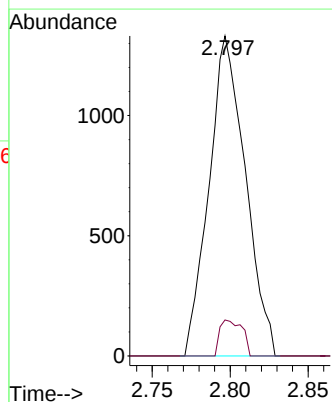
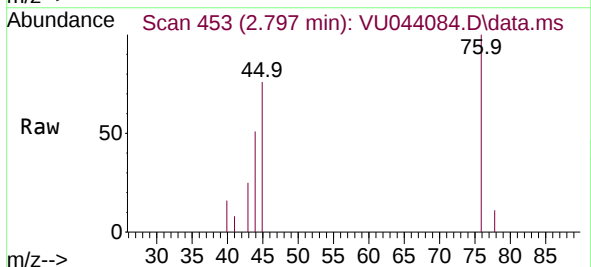


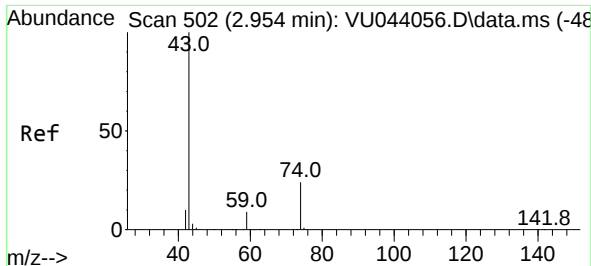
Tgt Ion: 43 Resp: 50534
Ion Ratio Lower Upper
43 100
58 36.9 27.7 41.5



#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

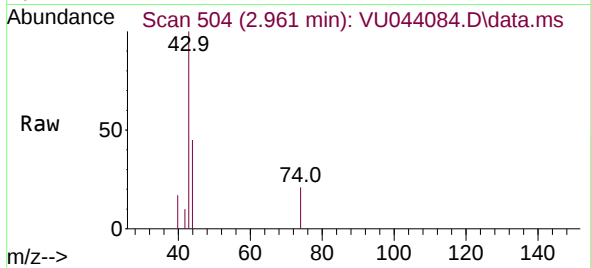
Tgt Ion: 76 Resp: 2160
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#



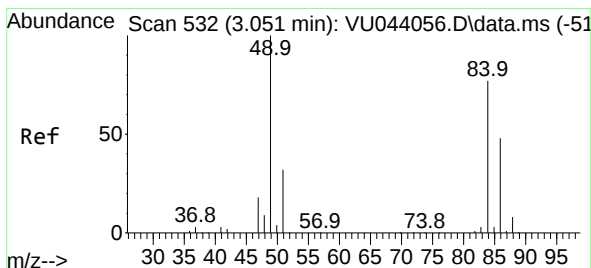
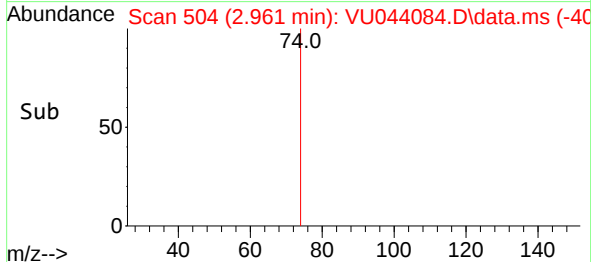
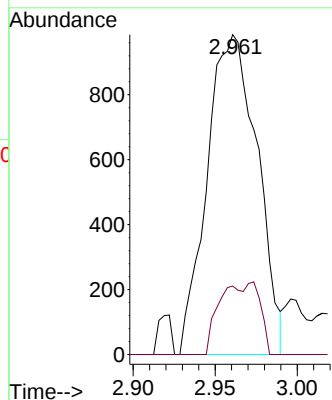


#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

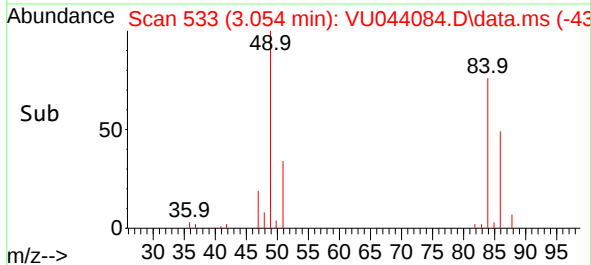
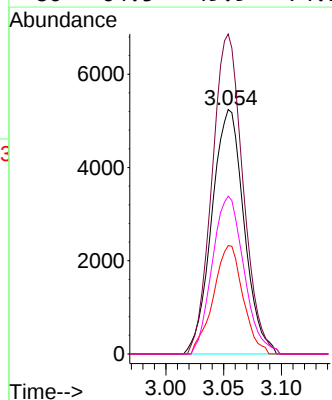
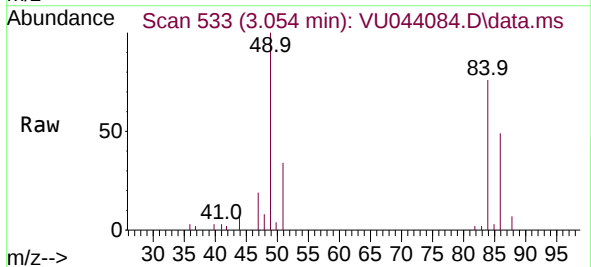


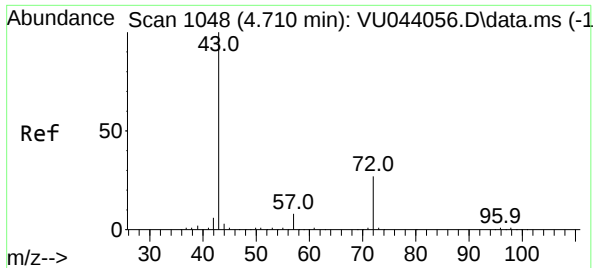
Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
74 11.5 18.7 28.1#



#20
Methylene Chloride
Concen: 1.602 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 84 Resp: 10159
Ion Ratio Lower Upper
84 100
49 130.9 103.6 155.4
51 44.3 32.8 49.2
86 64.5 49.9 74.9

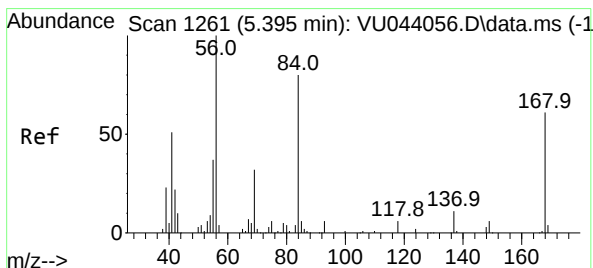
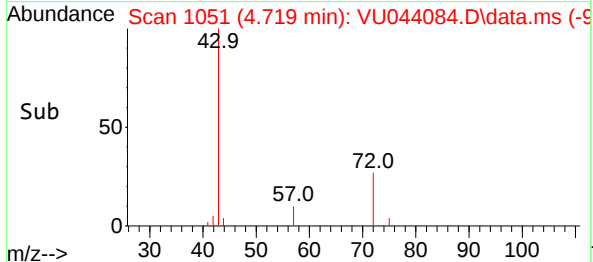
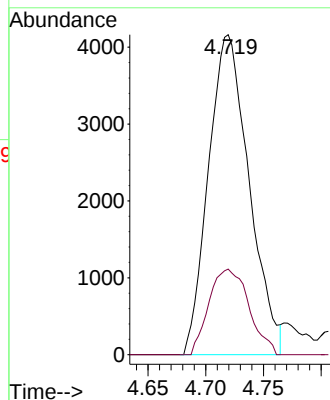
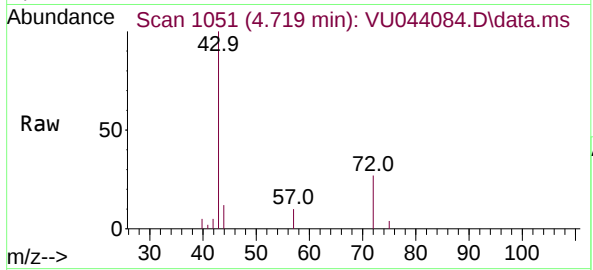




#25
2-Butanone
Concen: 3.422 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

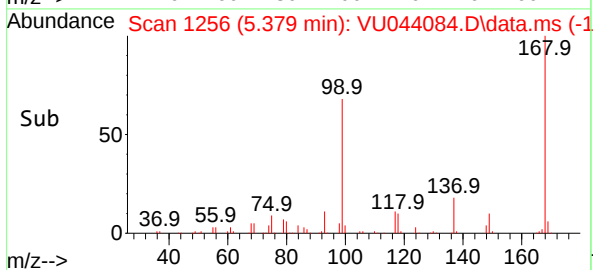
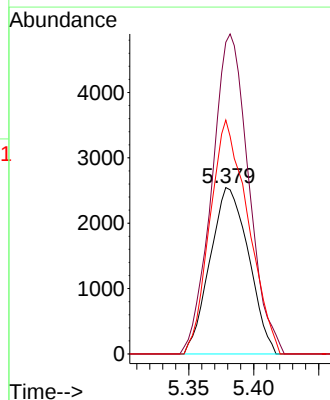
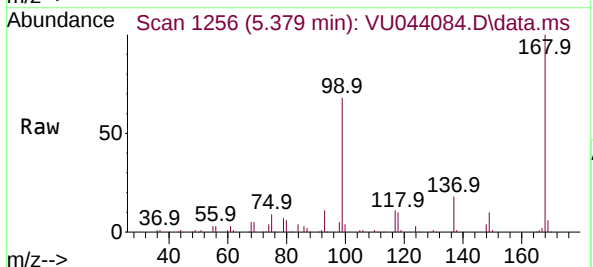
Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

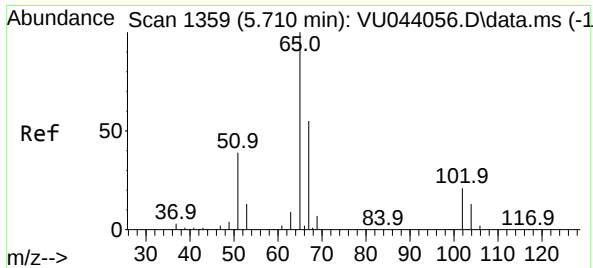
Tgt Ion: 43 Resp: 10187
Ion Ratio Lower Upper
43 100
72 26.7 21.4 32.2



#31
Cyclohexane
Concen: 1.054 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 56 Resp: 5257
Ion Ratio Lower Upper
56 100
69 187.3 25.4 38.2#
84 140.6 64.2 96.2#



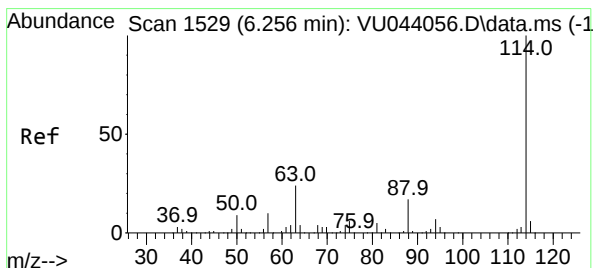
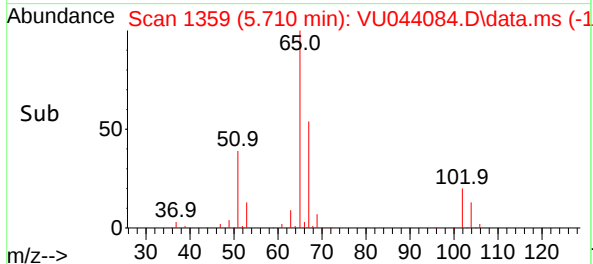
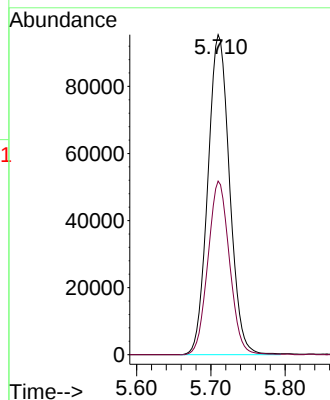
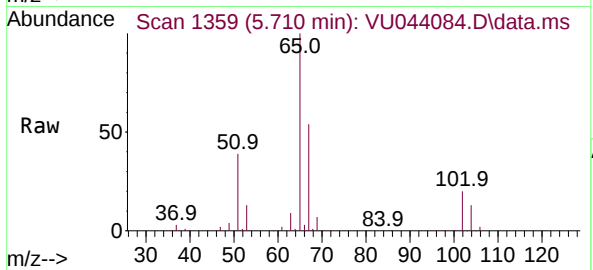


#33

1,2-Dichloroethane-d4
Concen: 53.600 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

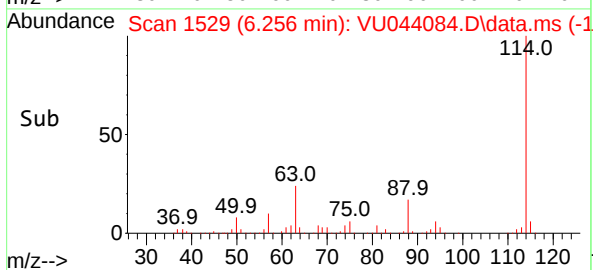
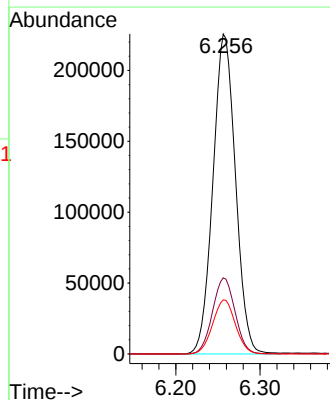
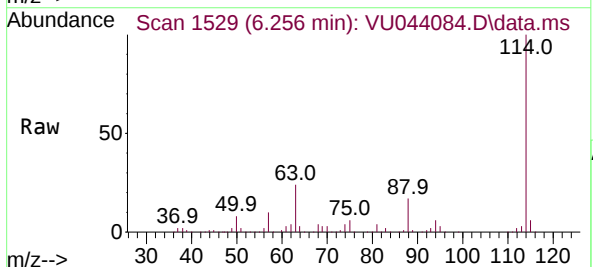
Tgt Ion: 65 Resp: 193770
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.2

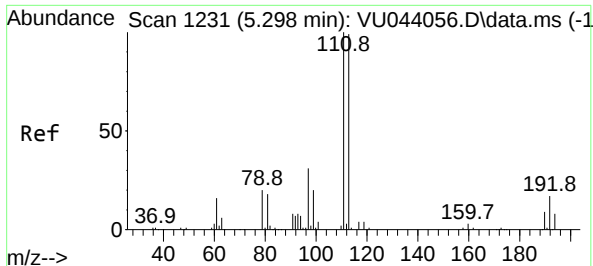


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 114 Resp: 419244
Ion Ratio Lower Upper
114 100
63 23.8 0.0 48.4
88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.280 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044084.D

Acq: 08 Jun 2021 02:31

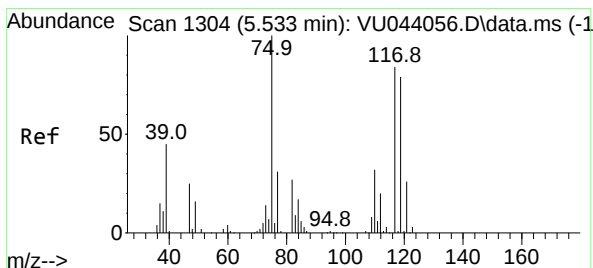
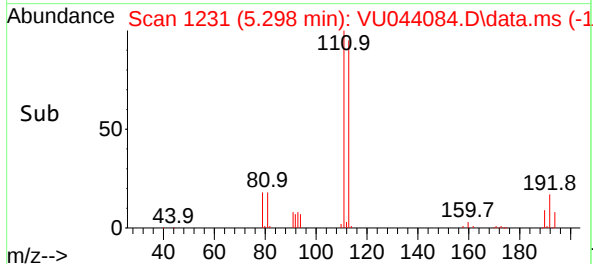
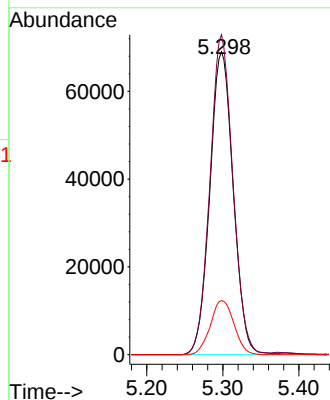
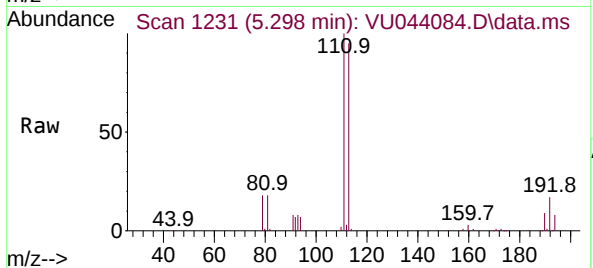
Tgt Ion:113 Resp: 147437

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

192 18.1 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.176 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044084.D

Acq: 08 Jun 2021 02:31

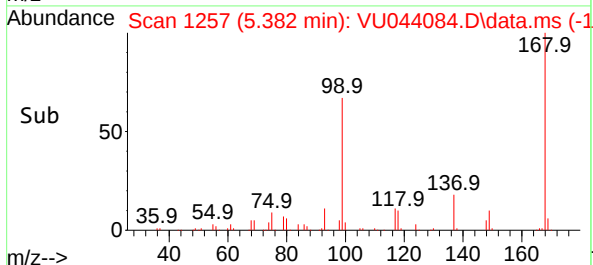
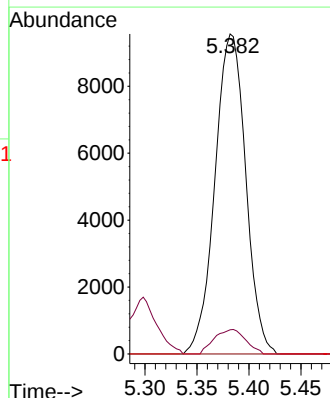
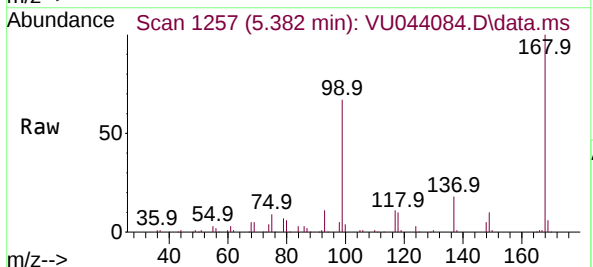
Tgt Ion: 75 Resp: 19724

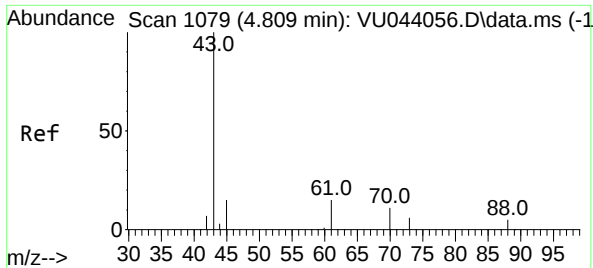
Ion Ratio Lower Upper

75 100

110 7.8 15.9 47.7#

77 0.0 25.0 37.4#

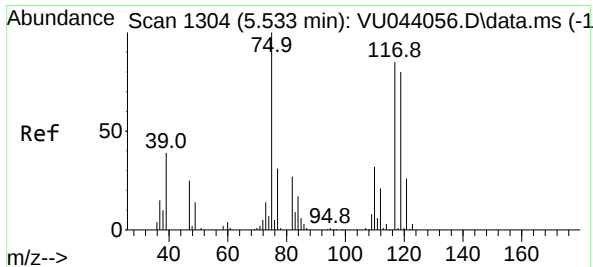
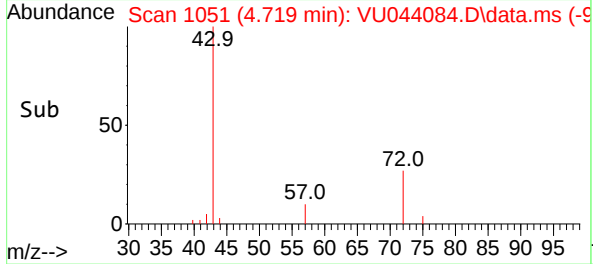
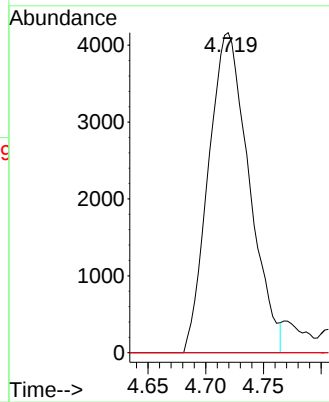
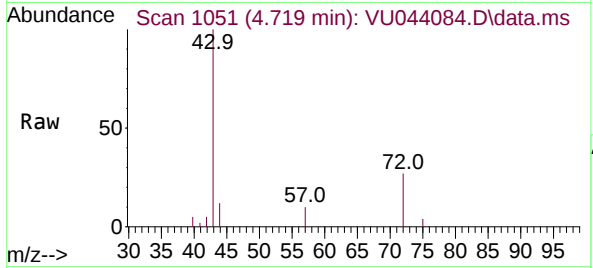




#37
Ethyl Acetate
Concen: 1.712 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. -0.090 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

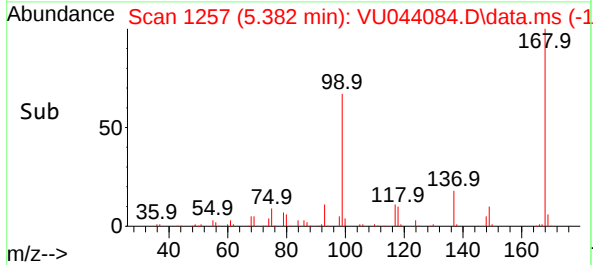
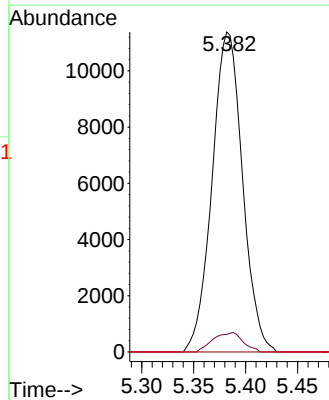
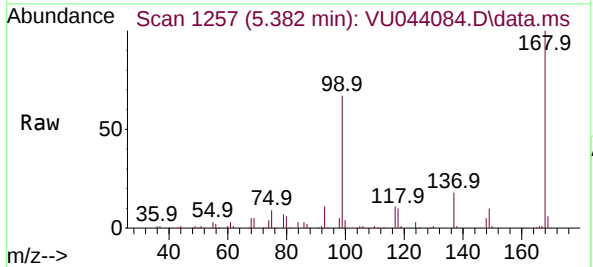
Instrument :
MSVOA_U
ClientSampleId :
18-B5(2-4)

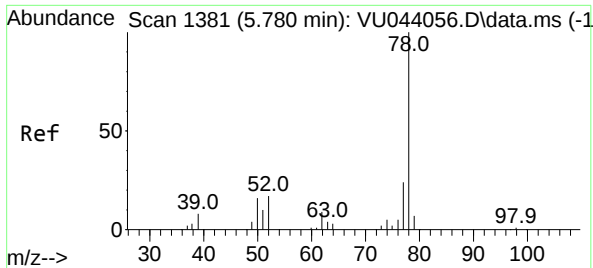
Tgt Ion: 43	Resp: 10187
Ion Ratio	Lower Upper
43 100	
61 0.0	11.4 17.2#
70 0.0	8.6 12.8#



#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 117	Resp: 23162
Ion Ratio	Lower Upper
117 100	
119 5.5	75.4 113.2#
121 0.0	24.5 36.7#

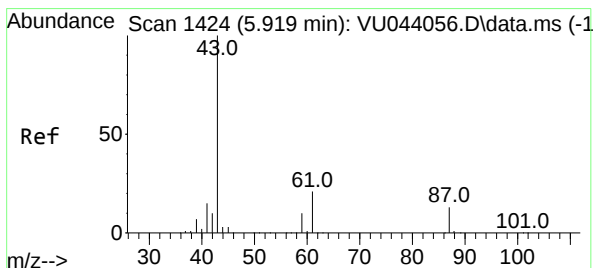
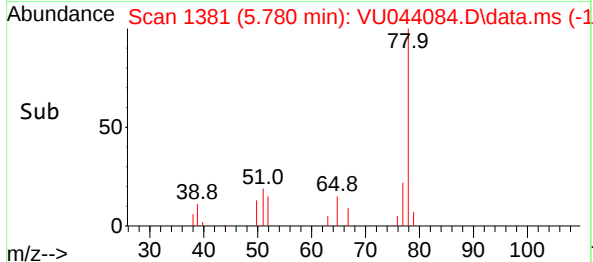
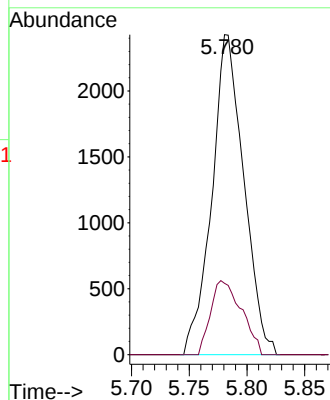
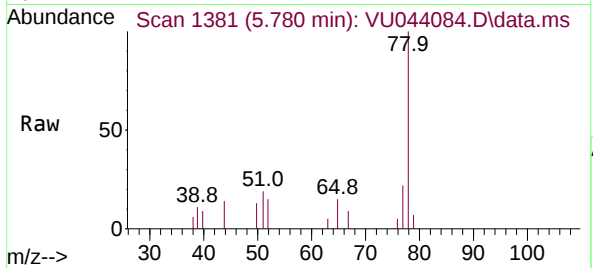




#40
Benzene
Concen: 0.328 ug/l
RT: 5.780 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

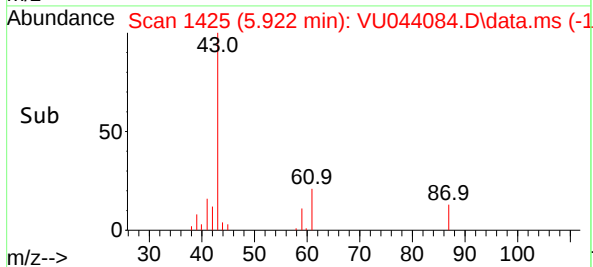
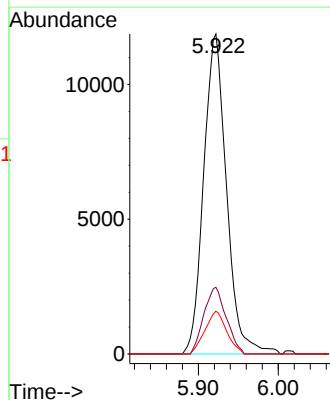
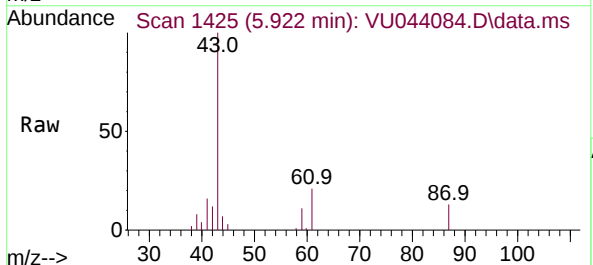
Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

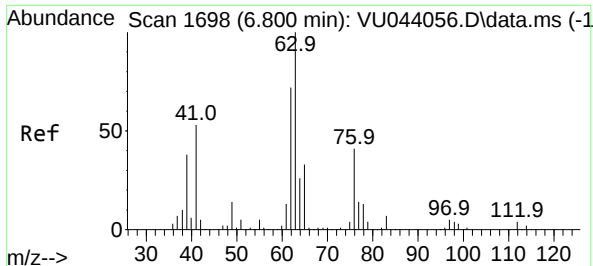
Tgt Ion: 78 Resp: 4668
Ion Ratio Lower Upper
78 100
77 22.3 19.1 28.7



#43
Isopropyl Acetate
Concen: 2.811 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 43 Resp: 23651
Ion Ratio Lower Upper
43 100
61 20.3 16.8 25.2
87 12.6 10.2 15.2



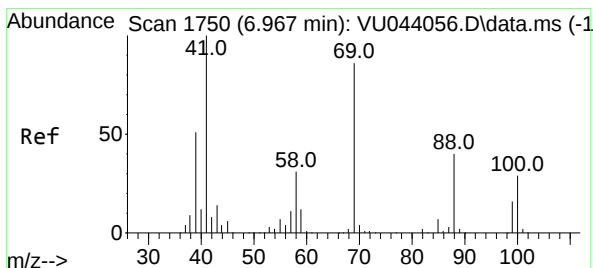
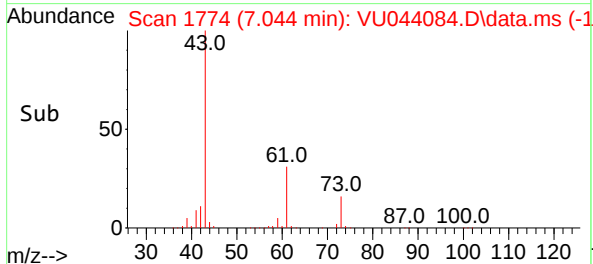
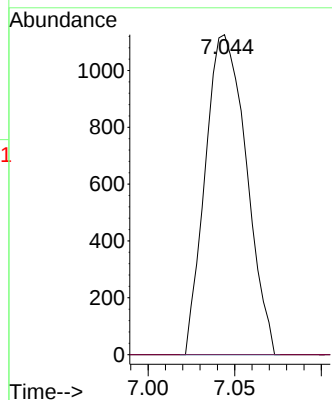
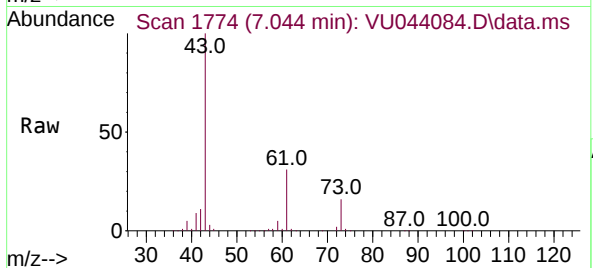


#45

1,2-Dichloropropane
Concen: 0.477 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

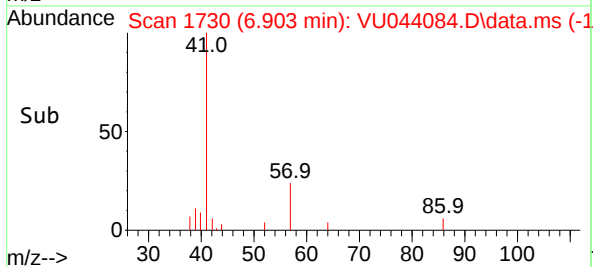
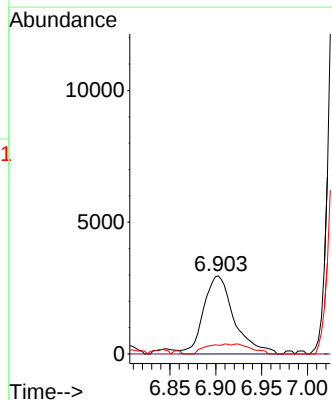
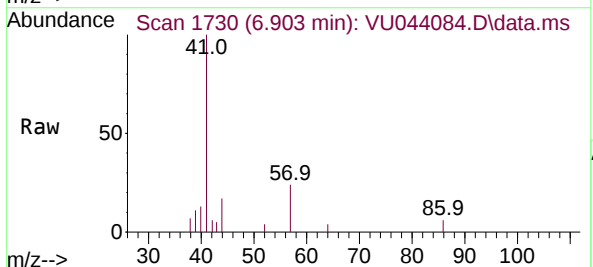
Tgt Ion: 63 Resp: 1854
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

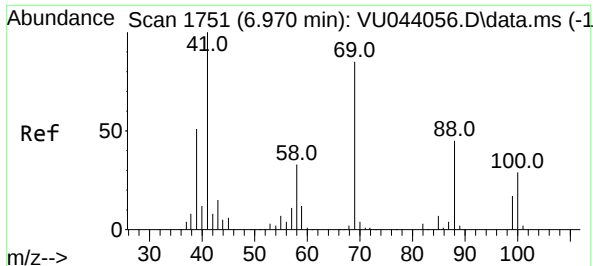


#48

Methyl methacrylate
Concen: 1.652 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 41 Resp: 6853
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: 1.657 ug/l

RT: 7.047 min Scan# 1775

Delta R.T. 0.077 min

Lab File: VU044084.D

Acq: 08 Jun 2021 02:31

Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 790881.1 25.0 37.4#

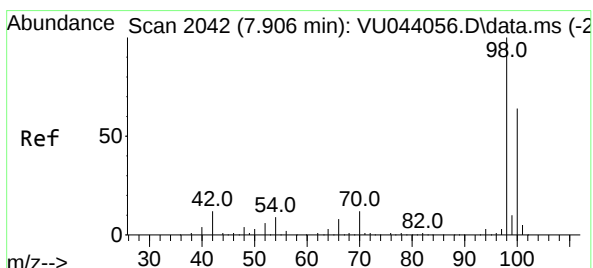
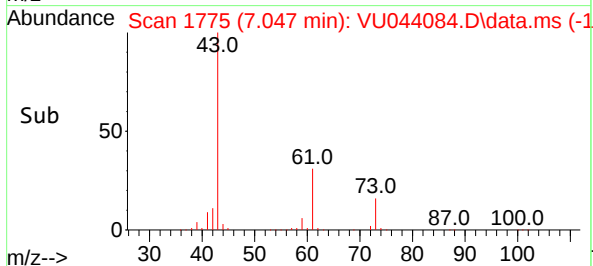
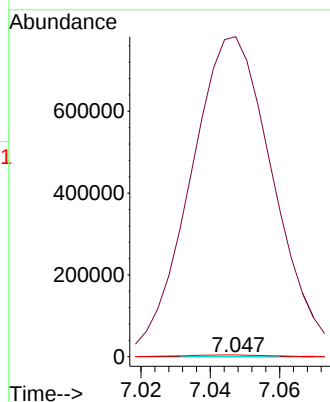
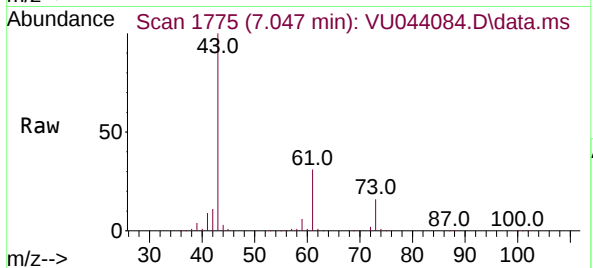
58 4662.1 60.0 90.0#

Instrument :

MSVOA_U

ClientSampleId :

18-B5(2-4)



#50

Toluene-d8

Concen: 50.858 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU044084.D

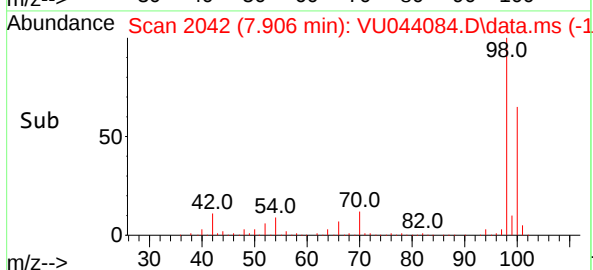
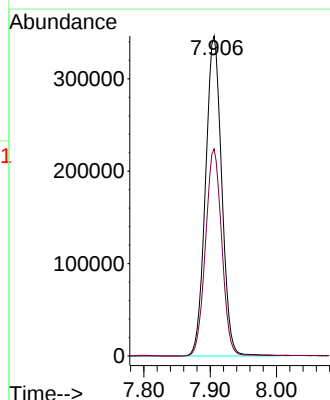
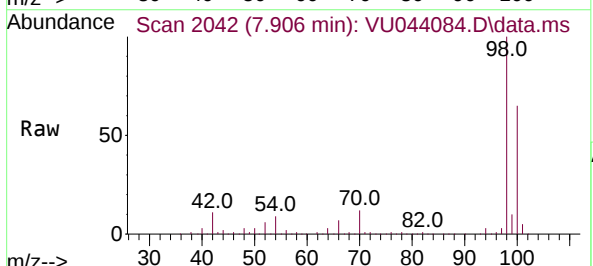
Acq: 08 Jun 2021 02:31

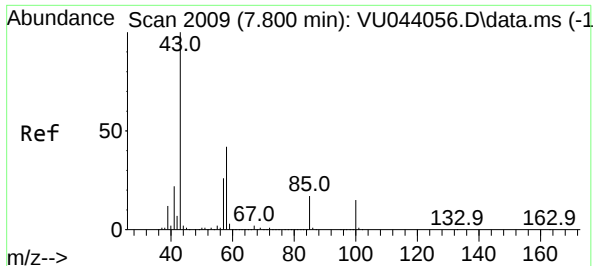
Tgt Ion: 98 Resp: 586898

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4

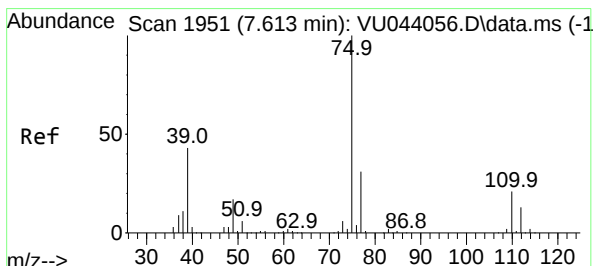
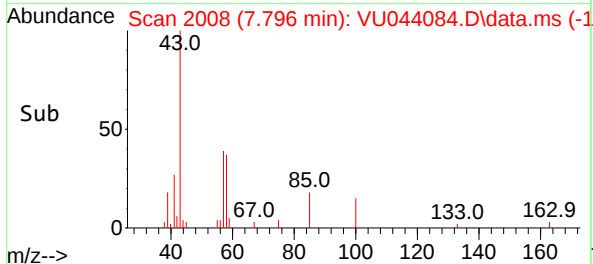
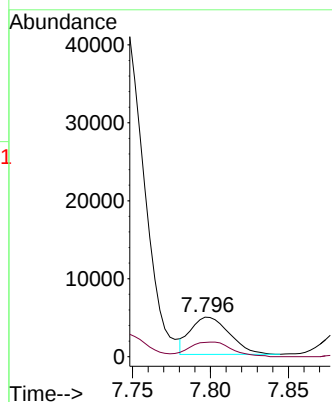
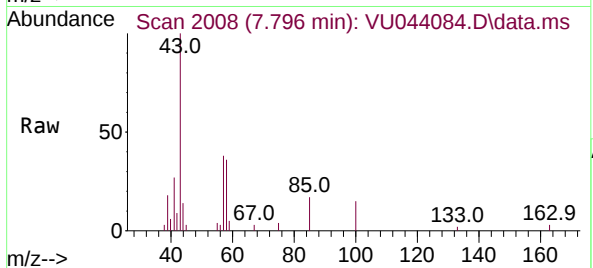




#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

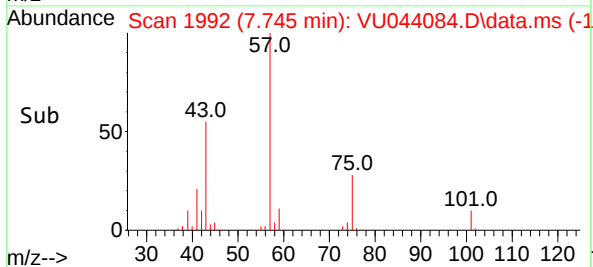
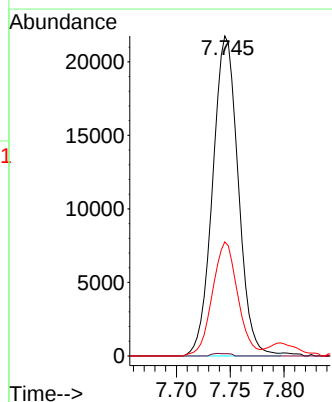
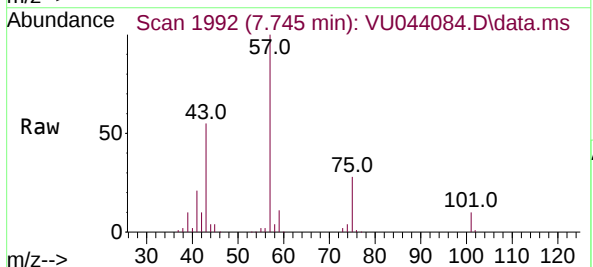
Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

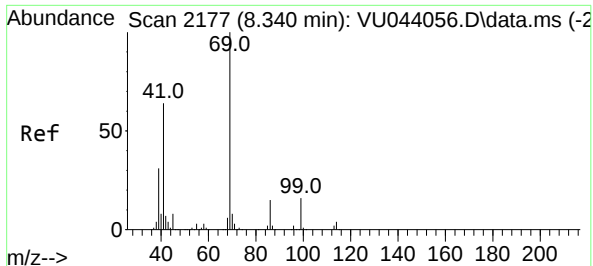
Tgt Ion: 43 Resp: 8257
Ion Ratio Lower Upper
43 100
58 43.6 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 6.231 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 75 Resp: 35992
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 35.6 34.7 52.1





#56

Ethyl methacrylate

Concen: 3.419 ug/l

RT: 8.472 min Scan# 2218

Delta R.T. 0.132 min

Lab File: VU044084.D

Acq: 08 Jun 2021 02:31

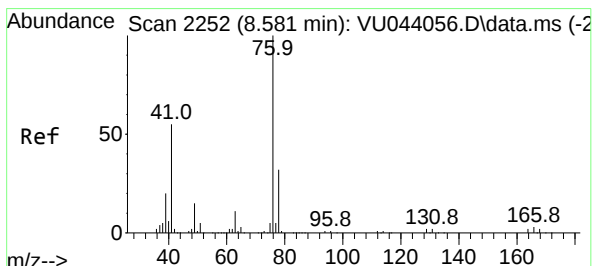
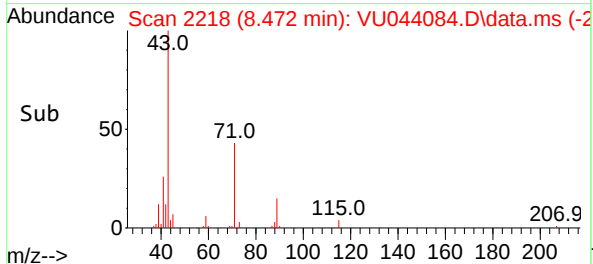
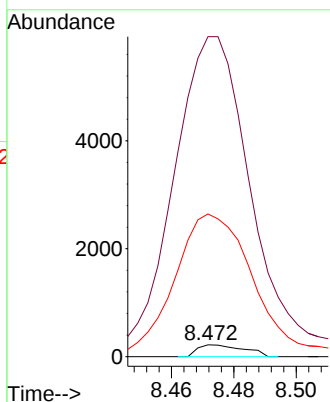
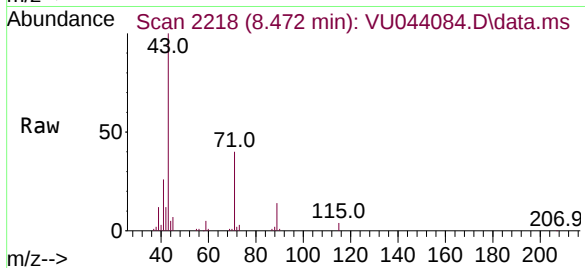
Instrument :

MSVOA_U

ClientSampleId :

18-B5(2-4)

Tgt Ion:	69	Resp:	226
Ion	Ratio	Lower	Upper
69	100		
41	4610.6	51.4	77.0#
39	2069.9	24.9	37.3#



#57

1,3-Dichloropropane

Concen: 3.429 ug/l

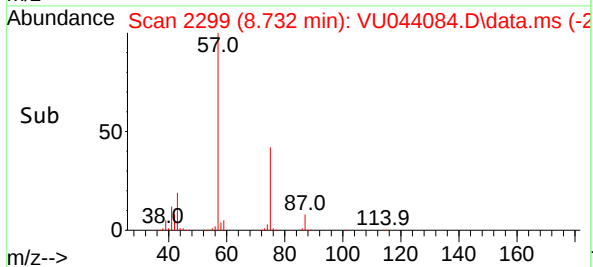
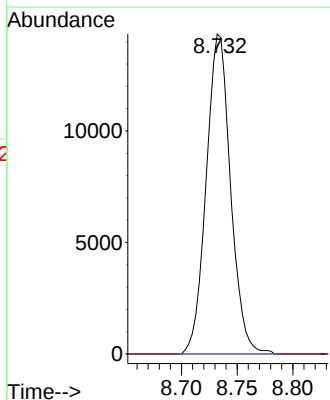
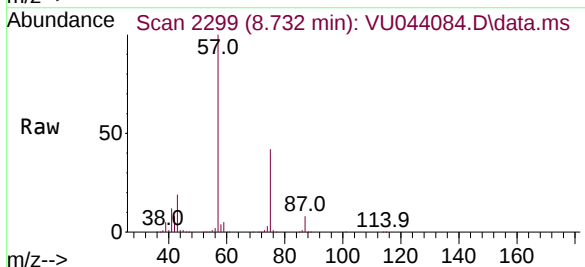
RT: 8.732 min Scan# 2299

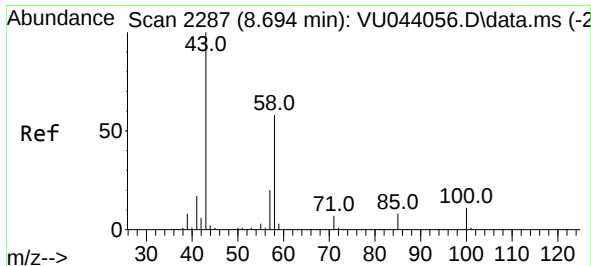
Delta R.T. 0.151 min

Lab File: VU044084.D

Acq: 08 Jun 2021 02:31

Tgt Ion:	76	Resp:	21808
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.9	38.9#

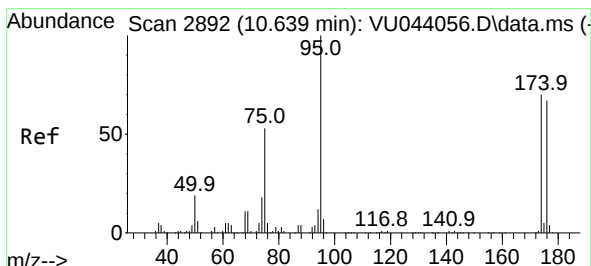
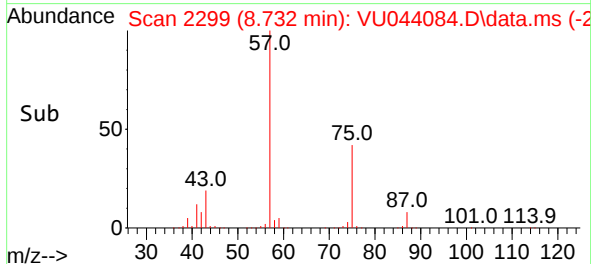
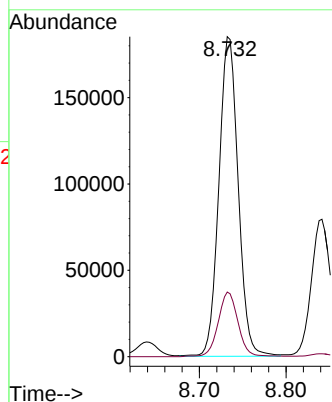
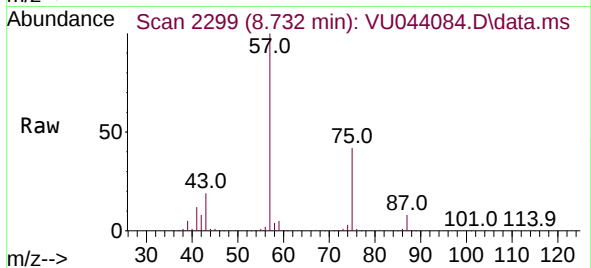




#59
2-Hexanone
Concen: 58.945 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

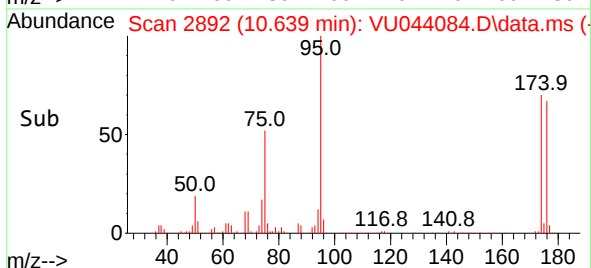
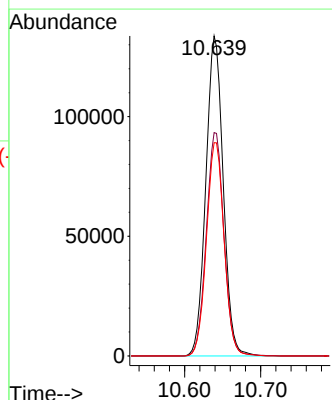
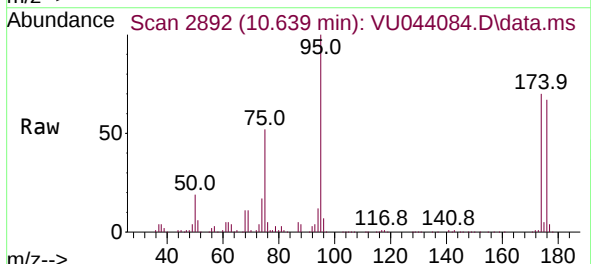
Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

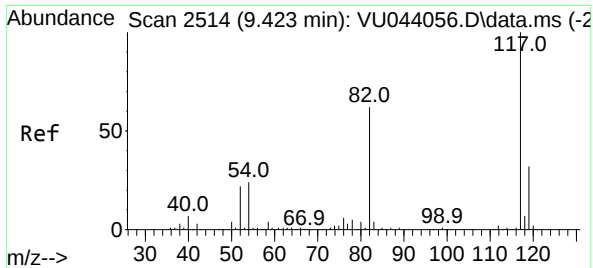
Tgt Ion: 43 Resp: 286219
Ion Ratio Lower Upper
43 100
58 21.0 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.442 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 95 Resp: 212190
Ion Ratio Lower Upper
95 100
174 70.9 0.0 141.0
176 67.8 0.0 135.2

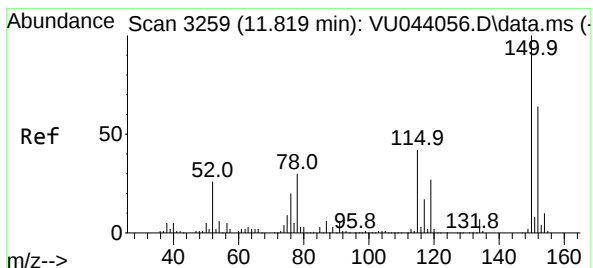
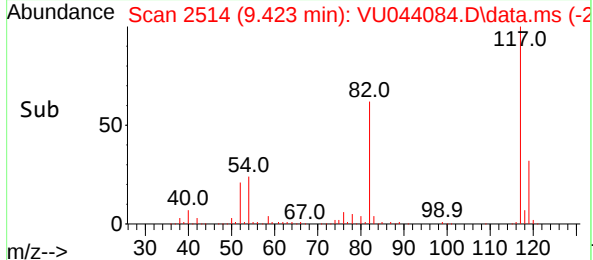
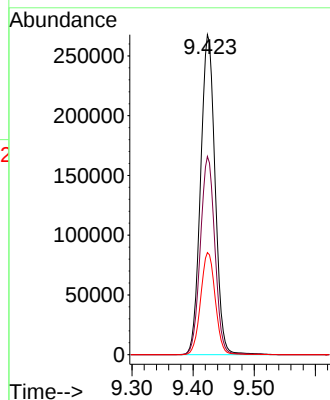
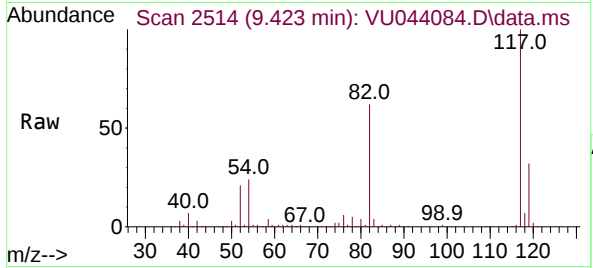




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

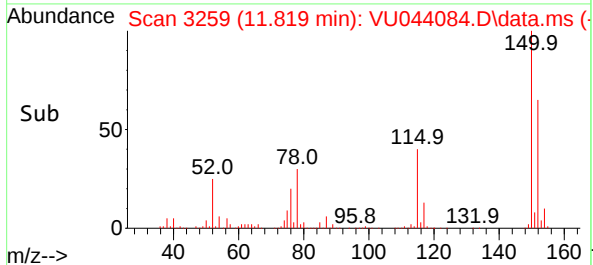
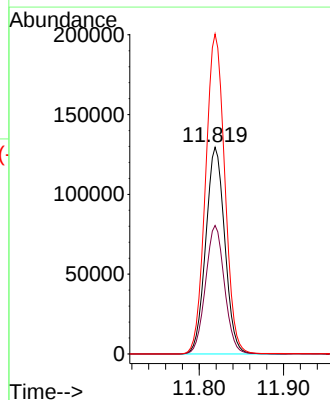
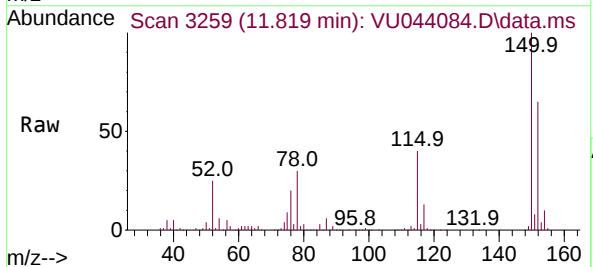
Instrument :
MSVOA_U
ClientSampleId :
18-B5(2-4)

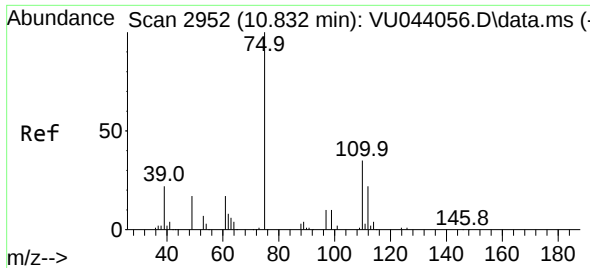
Tgt Ion:117 Resp: 441474
Ion Ratio Lower Upper
117 100
82 62.0 50.0 75.0
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion:152 Resp: 203595
Ion Ratio Lower Upper
152 100
115 62.2 44.6 134.0
150 156.2 0.0 347.8

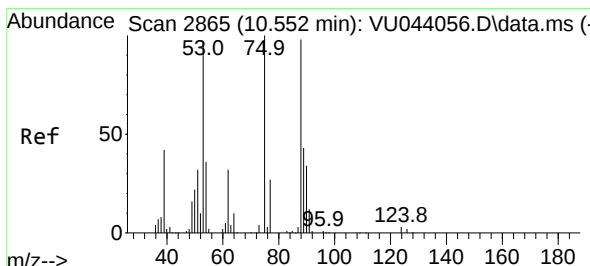
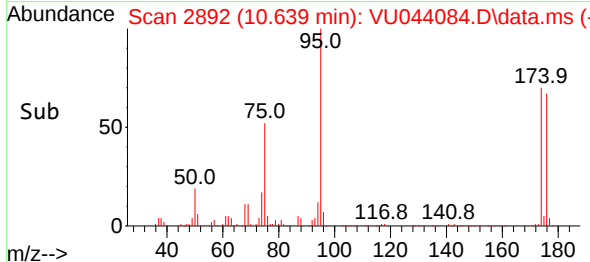
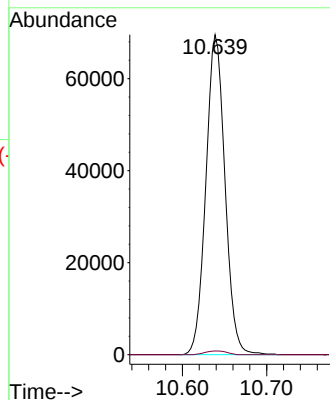
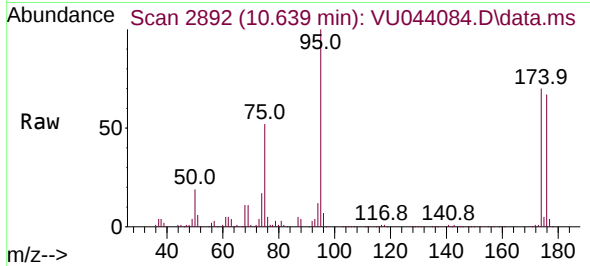




#76
1,2,3-Trichloropropane
Concen: 19.263 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

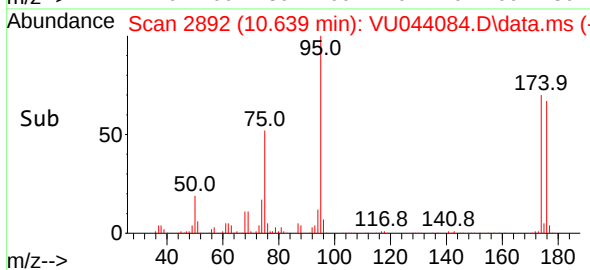
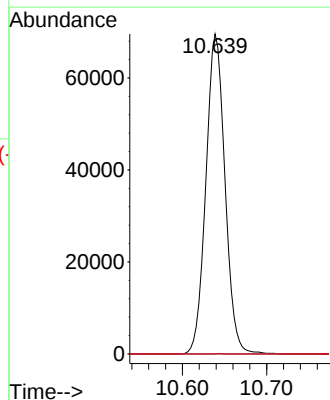
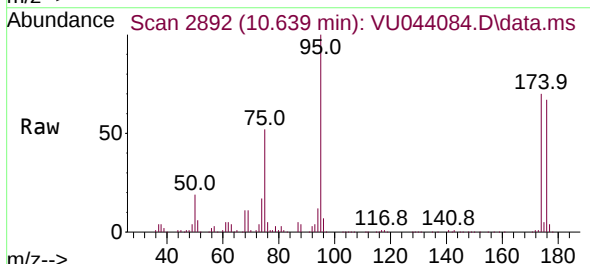
Instrument :
MSVOA_U
ClientSampleId :
18-B5(2-4)

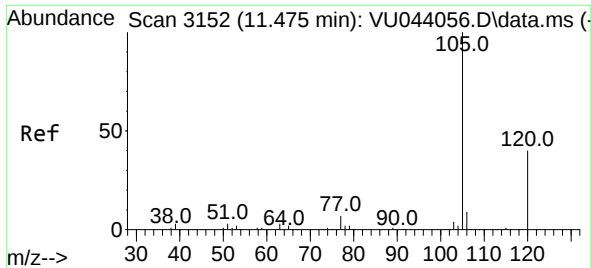
Tgt Ion: 75 Resp: 109709
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.247 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion: 75 Resp: 109709
Ion Ratio Lower Upper
75 100
53 0.0 76.9 115.3#
89 0.0 33.8 50.8#

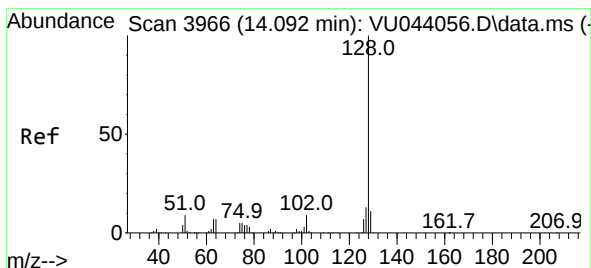
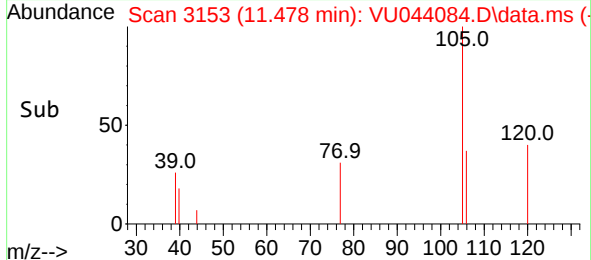
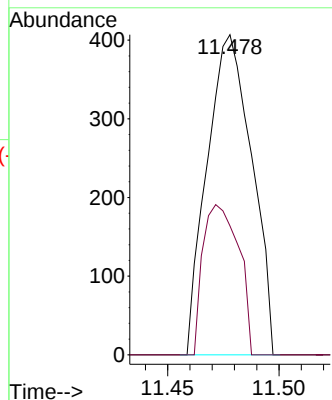
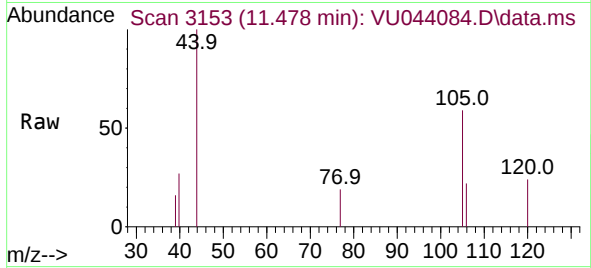




#84
1,2,4-Trimethylbenzene
Concen: 0.991 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Instrument :
MSVOA_U
ClientSampled :
18-B5(2-4)

Tgt Ion:105 Resp: 568
Ion Ratio Lower Upper
105 100
120 37.5 21.9 65.7



#95
Naphthalene
Concen: 4.524 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044084.D
Acq: 08 Jun 2021 02:31

Tgt Ion:128 Resp: 24709
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.5 8.7 13.1

