

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044072.D
 Acq On : 07 Jun 2021 21:50
 Operator : SY/MD
 Sample : M2612-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 18-B12(18-22)

Quant Time: Jun 08 05:46:31 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)

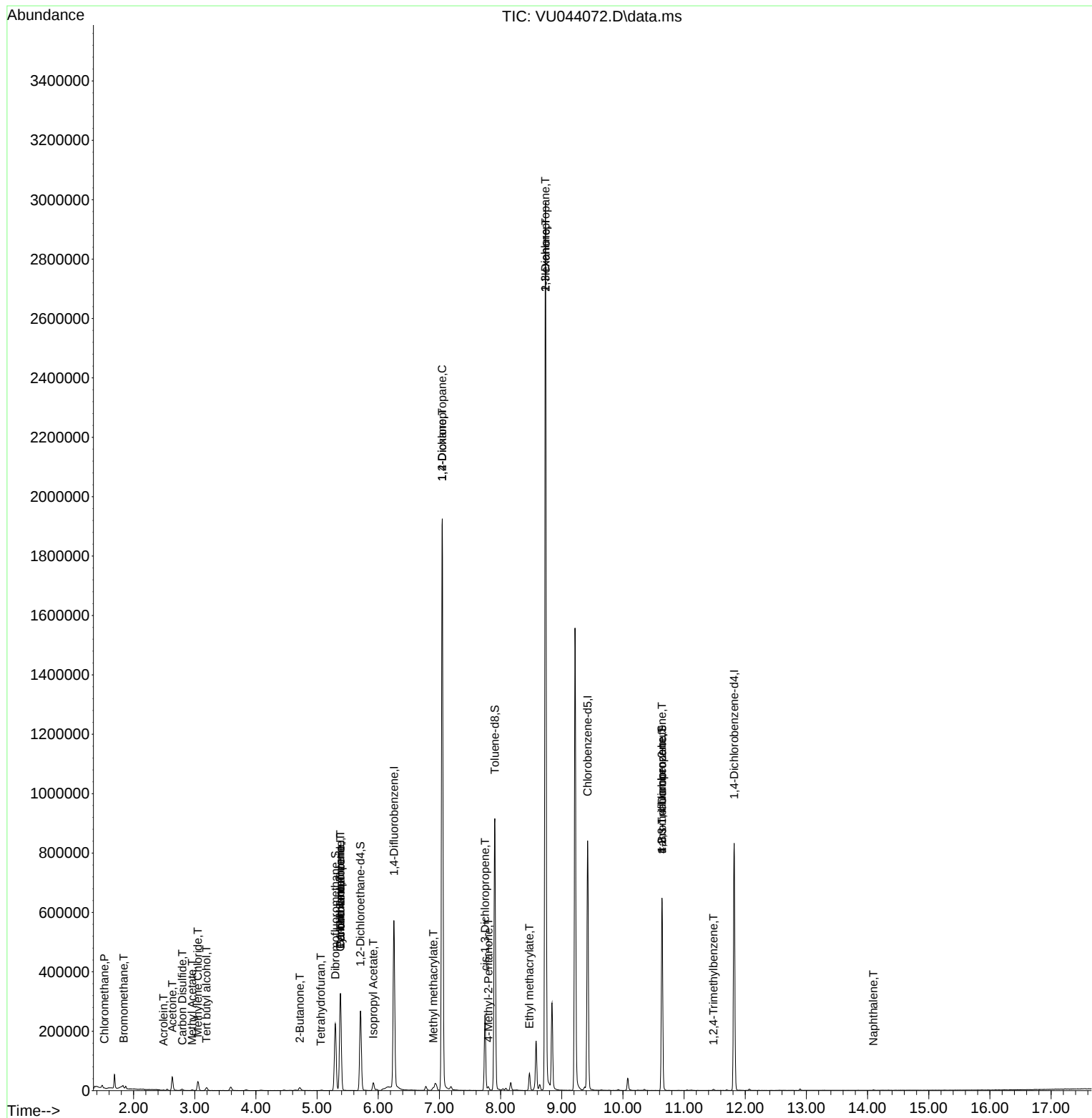
Internal Standards						
1) Pentafluorobenzene	5.382	168	206882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	424698	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	435712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	201977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	193544	53.718	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.440%	
35) Dibromofluoromethane	5.298	113	146906	48.472	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.940%	
50) Toluene-d8	7.906	98	582175	49.800	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.600%	
62) 4-Bromofluorobenzene	10.639	95	214825	46.415	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	1224	0.286	ug/l	99
5) Bromomethane	1.838	94	724	0.456	ug/l	94
11) Tert butyl alcohol	3.192	59	6439	7.209	ug/l #	72
13) Acrolein	2.491	56	1125	1.602	ug/l	100
16) Acetone	2.633	43	48914	23.522	ug/l	99
17) Carbon Disulfide	2.797	76	2854	0.337	ug/l #	94
18) Methyl Acetate	2.957	43	2786	0.608	ug/l	97
20) Methylene Chloride	3.051	84	14346	3.003	ug/l	97
25) 2-Butanone	4.716	43	15699	5.291	ug/l	94
29) Tetrahydrofuran	5.063	42	451	0.274	ug/l #	77
31) Cyclohexane	5.379	56	5149	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	19584	4.093	ug/l #	50
38) Carbon Tetrachloride	5.382	117	22799	5.274	ug/l #	17
43) Isopropyl Acetate	5.919	43	27483	3.224	ug/l	97
45) 1,2-Dichloropropane	7.044	63	2221	0.564	ug/l #	42
48) Methyl methacrylate	6.903	41	11229	2.672	ug/l #	14
49) 1,4-Dioxane	7.044	88	158	1.529	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	7842	1.239	ug/l	92
54) cis-1,3-Dichloropropene	7.745	75	43760	7.479	ug/l #	67
56) Ethyl methacrylate	8.472	69	231	3.419	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	29173	4.528	ug/l #	43
59) 2-Hexanone	8.735	43	405176	82.372	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	114051	20.185	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	114051	58.941	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	1354	1.051	ug/l #	32
95) Naphthalene	14.095	128	1941	2.978	ug/l #	84

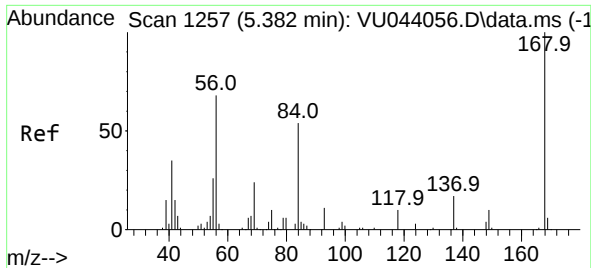
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

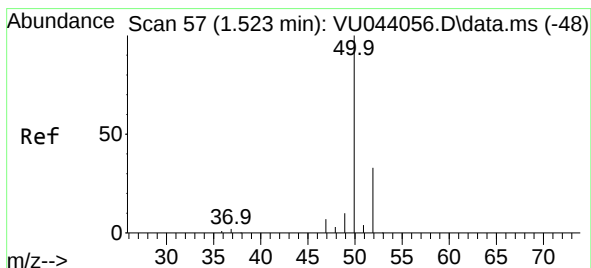
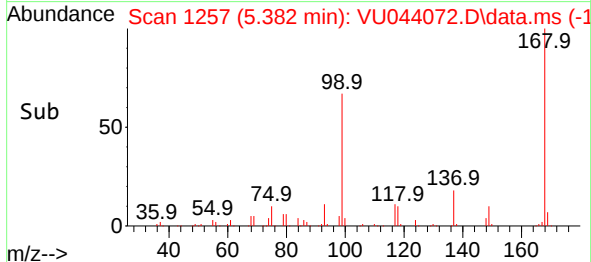
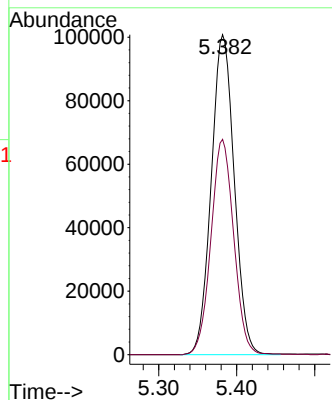
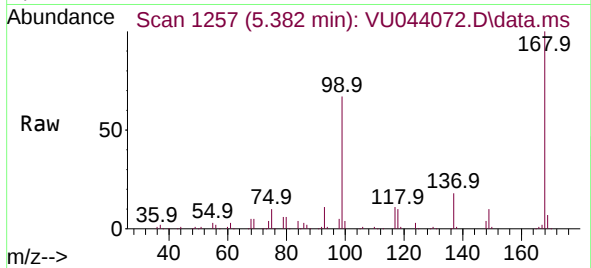




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

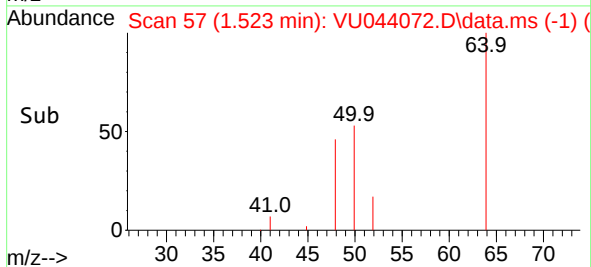
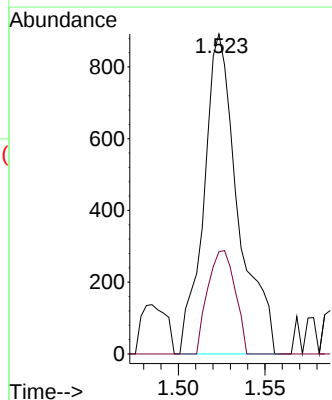
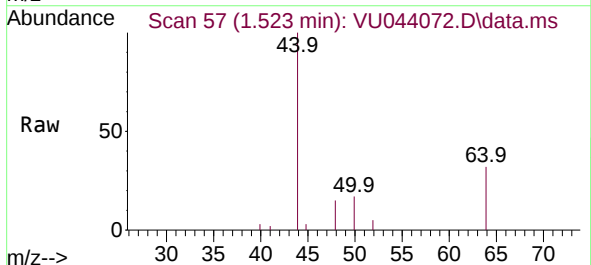
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

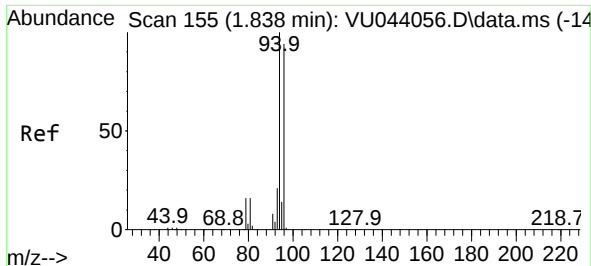
Tgt Ion:168 Resp: 206882
Ion Ratio Lower Upper
168 100
99 67.3 52.6 78.8



#3
Chloromethane
Concen: 0.286 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 50 Resp: 1224
Ion Ratio Lower Upper
50 100
52 32.0 26.2 39.2

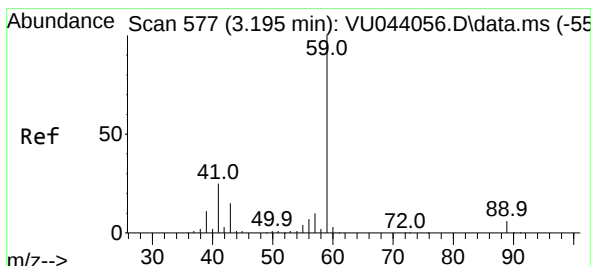
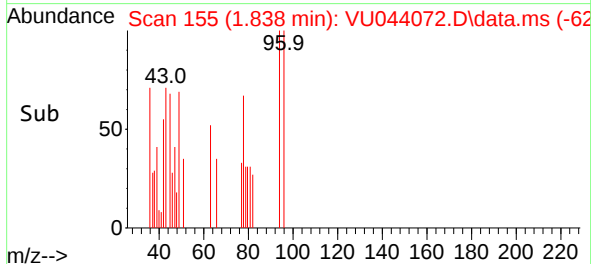
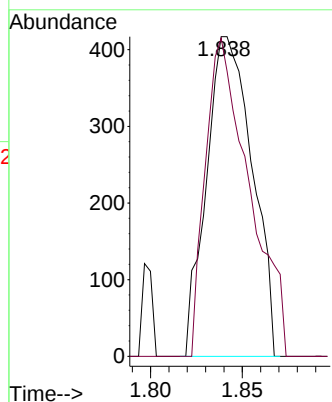
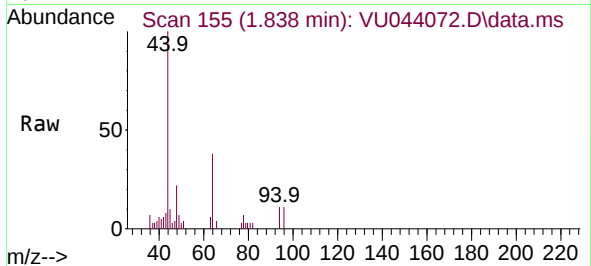




#5
Bromomethane
Concen: 0.456 ug/l
RT: 1.838 min Scan# 155
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

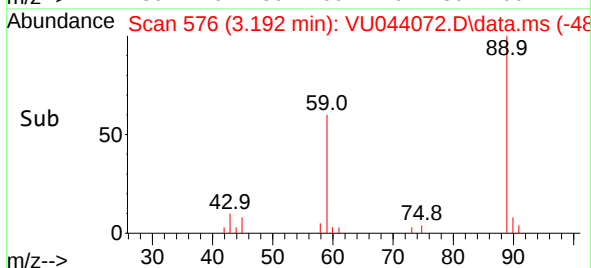
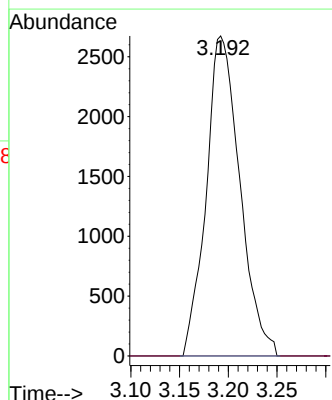
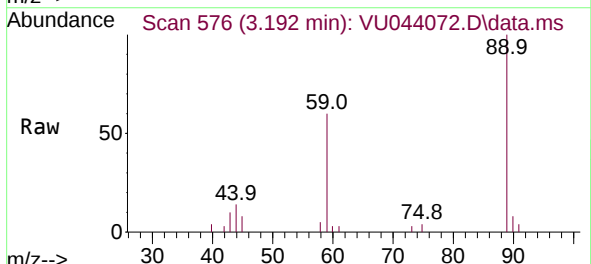
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

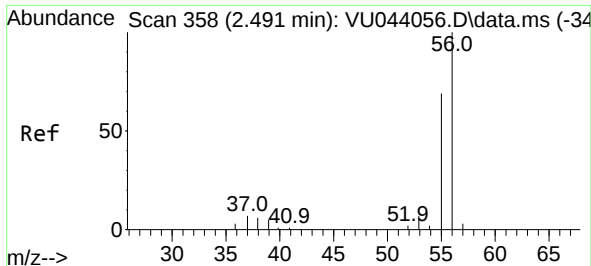
Tgt Ion: 94 Resp: 724
Ion Ratio Lower Upper
94 100
96 99.5 74.8 112.2



#11
Tert butyl alcohol
Concen: 7.209 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 59 Resp: 6439
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

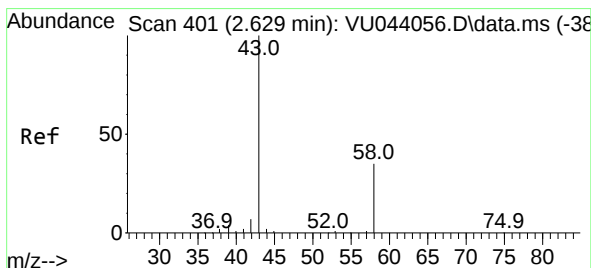
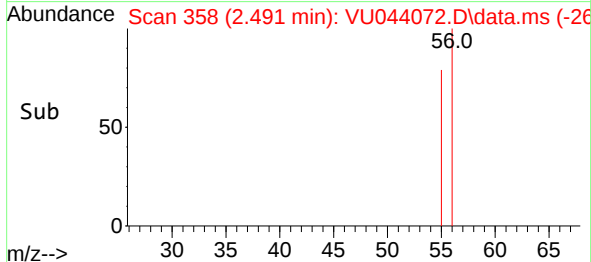
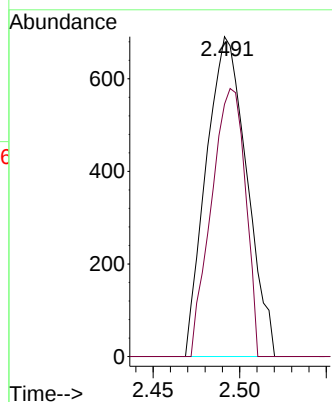
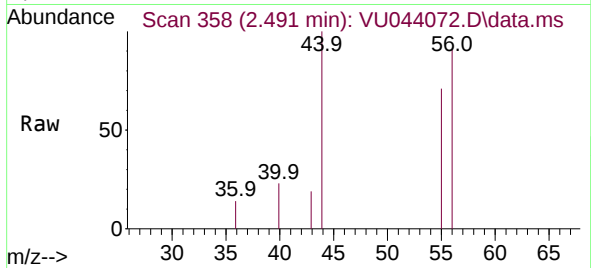




#13
Acrolein
Concen: 1.602 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

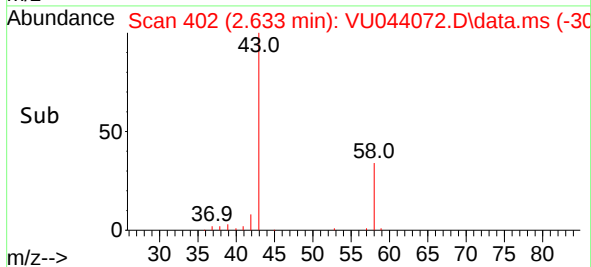
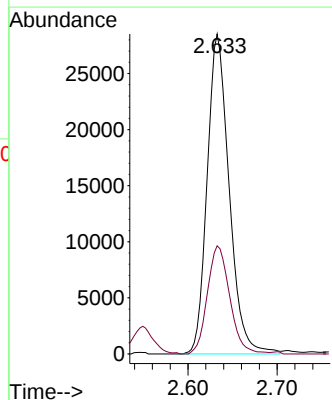
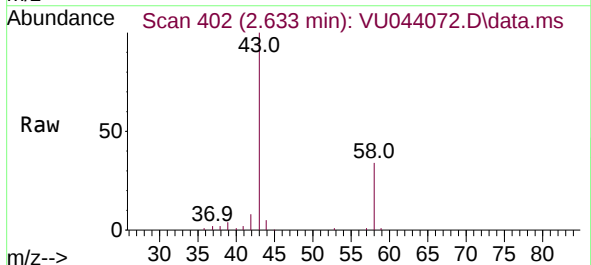
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

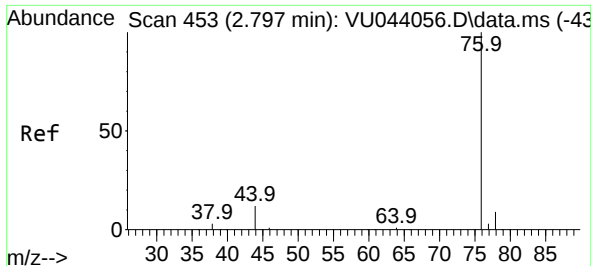
Tgt Ion: 56 Resp: 1125
Ion Ratio Lower Upper
56 100
55 70.2 56.1 84.1



#16
Acetone
Concen: 23.522 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 43 Resp: 48914
Ion Ratio Lower Upper
43 100
58 33.8 27.7 41.5

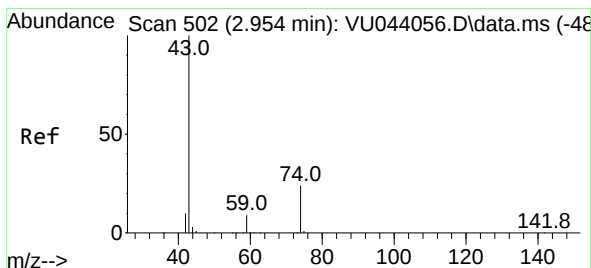
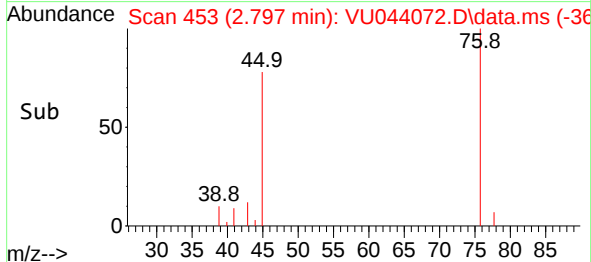
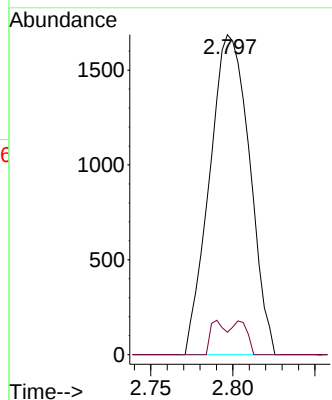
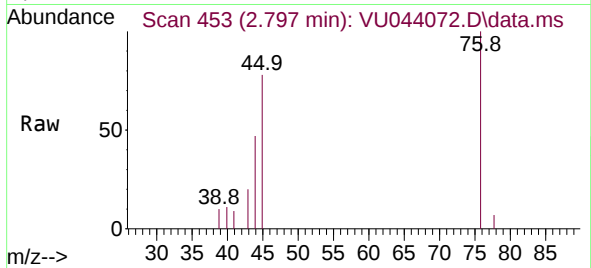




#17
Carbon Disulfide
Concen: 0.337 ug/l
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

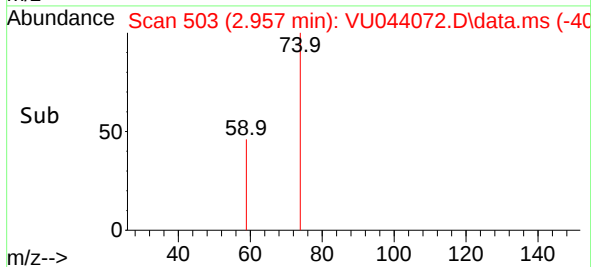
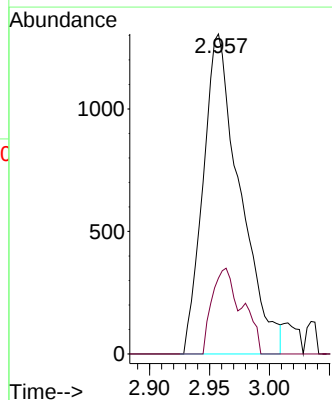
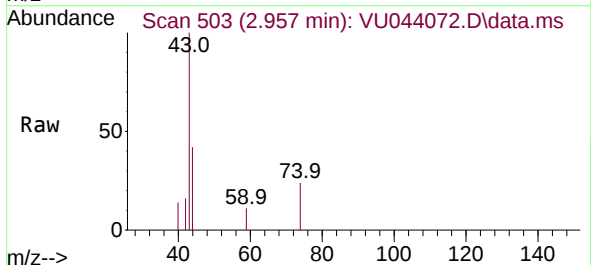
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

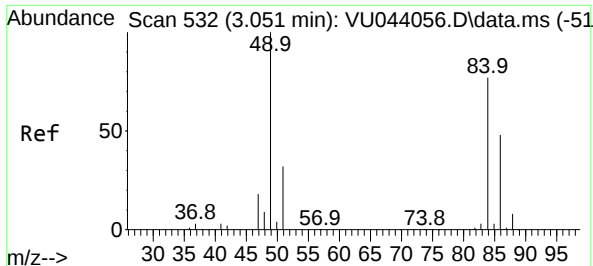
Tgt Ion: 76 Resp: 2854
Ion Ratio Lower Upper
76 100
78 7.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.608 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

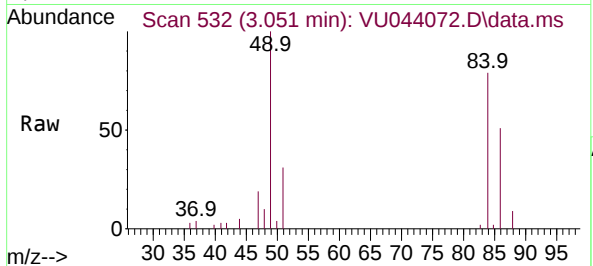
Tgt Ion: 43 Resp: 2786
Ion Ratio Lower Upper
43 100
74 21.7 18.7 28.1



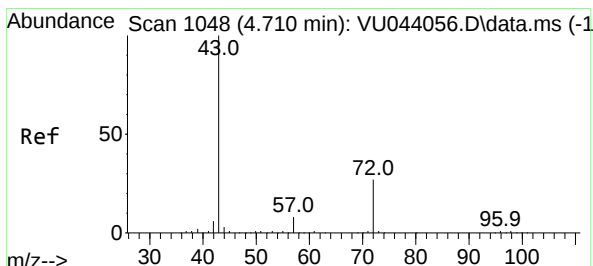
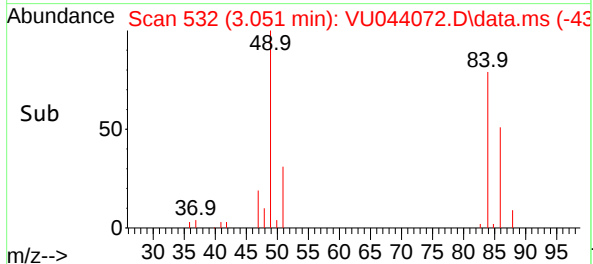
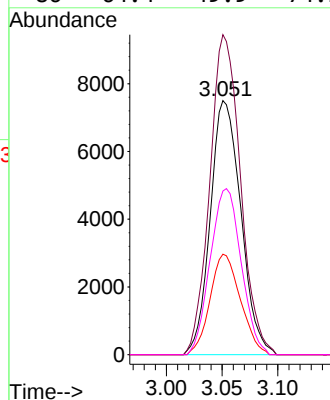


#20
Methylene Chloride
Concen: 3.003 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

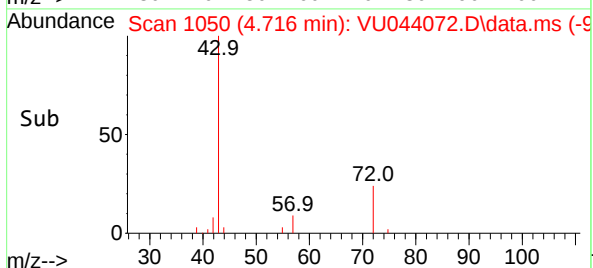
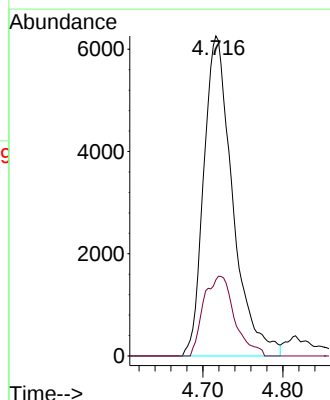
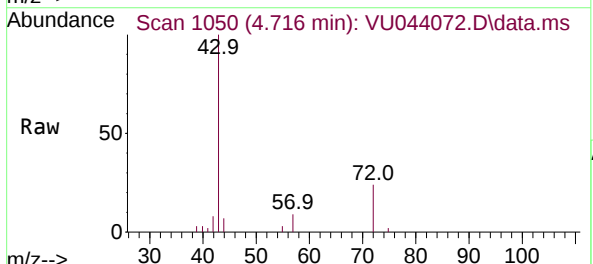


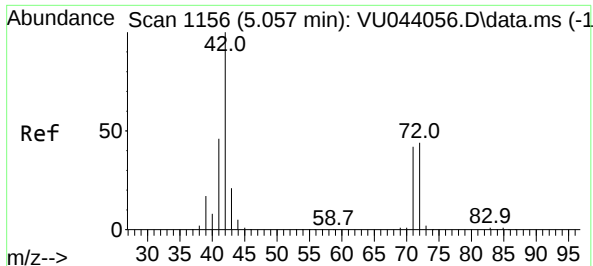
Tgt Ion:	84	Resp:	14346
Ion	Ratio	Lower	Upper
84	100		
49	126.0	103.6	155.4
51	39.6	32.8	49.2
86	64.4	49.9	74.9



#25
2-Butanone
Concen: 5.291 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion:	43	Resp:	15699
Ion	Ratio	Lower	Upper
43	100		
72	23.8	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.274 ug/l

RT: 5.063 min Scan# 1158

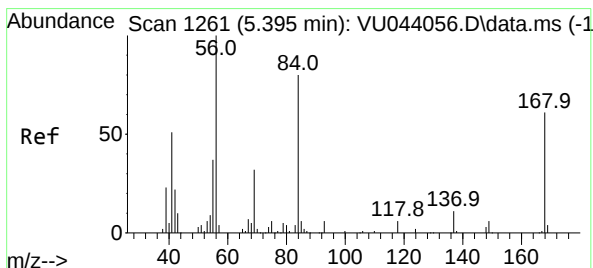
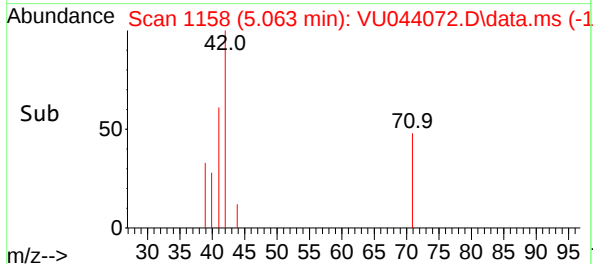
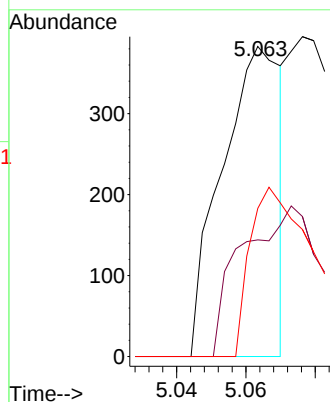
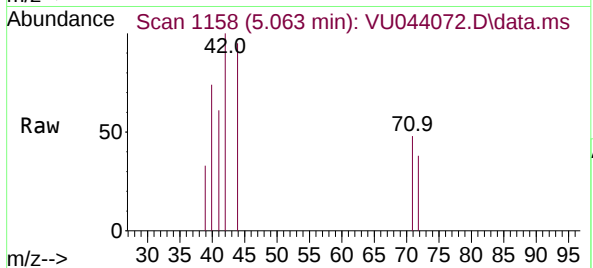
Delta R.T. 0.006 min

Lab File: VU044072.D

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Tgt Ion:	42	Resp:	451
Ion	Ratio	Lower	Upper
42	100		
72	60.8	35.6	53.4#
71	54.1	33.3	49.9#



#31

Cyclohexane

Concen: 1.035 ug/l

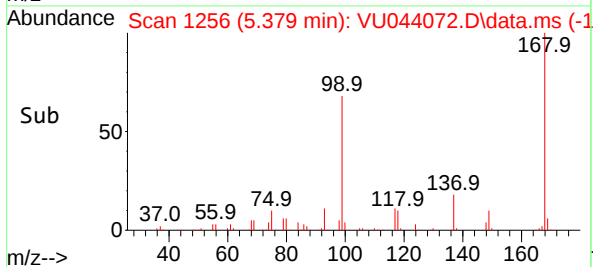
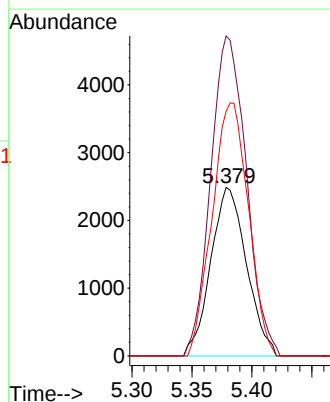
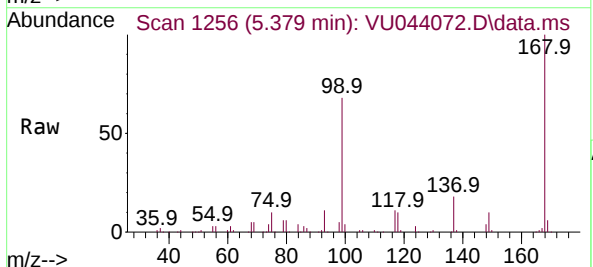
RT: 5.379 min Scan# 1256

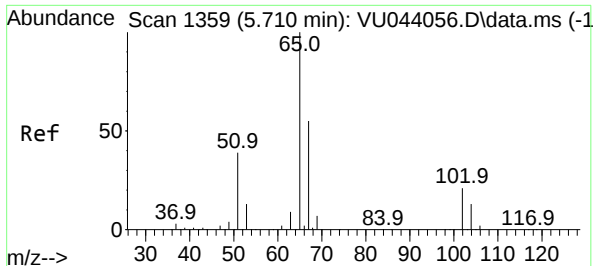
Delta R.T. -0.016 min

Lab File: VU044072.D

Acq: 07 Jun 2021 21:50

Tgt Ion:	56	Resp:	5149
Ion	Ratio	Lower	Upper
56	100		
69	189.8	25.4	38.2#
84	151.2	64.2	96.2#



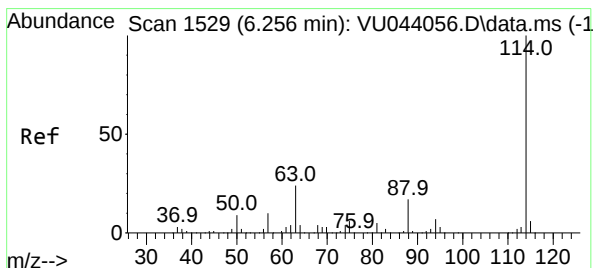
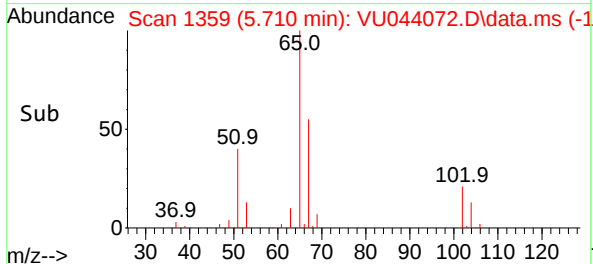
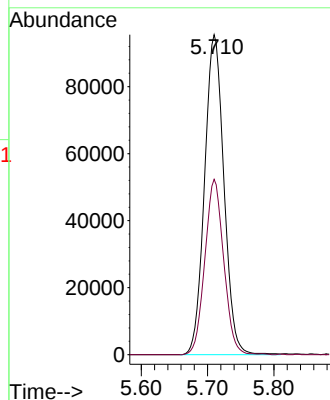
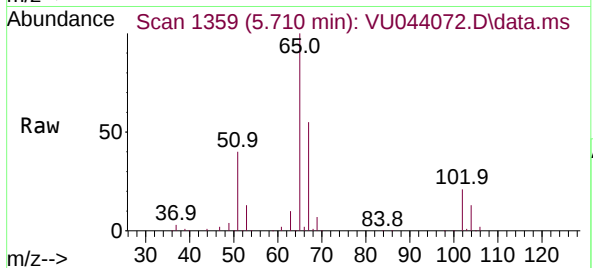


#33

1,2-Dichloroethane-d4
Concen: 53.718 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Instrument :
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18-B12(18-22)

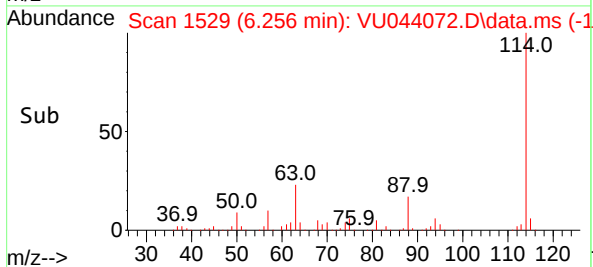
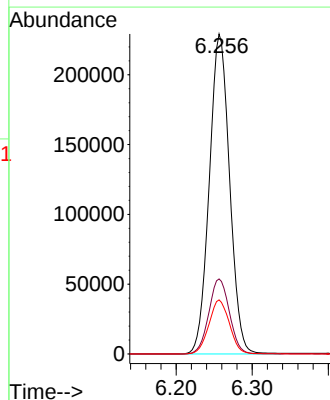
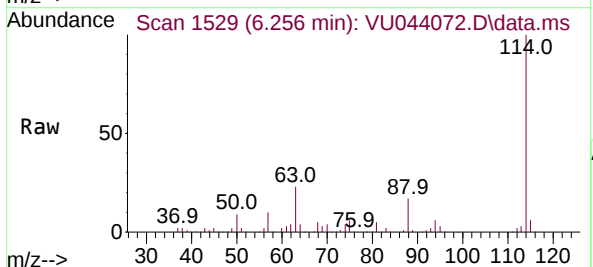
Tgt Ion: 65 Resp: 193544
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.2

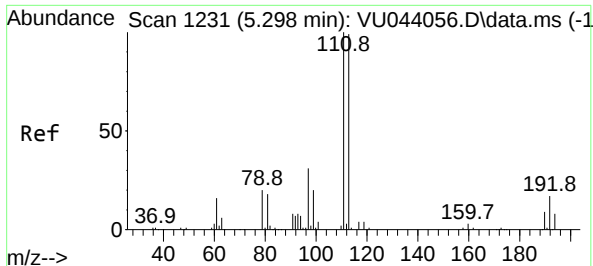


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 114 Resp: 424698
Ion Ratio Lower Upper
114 100
63 23.5 0.0 48.4
88 16.9 0.0 34.4





#35

Dibromofluoromethane

Concen: 48.472 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044072.D

Acq: 07 Jun 2021 21:50

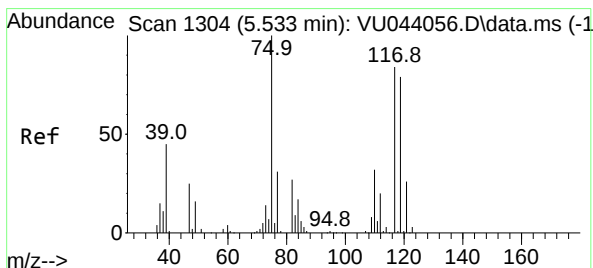
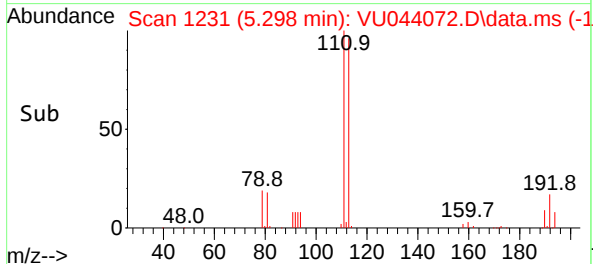
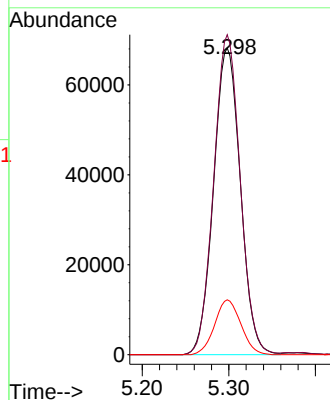
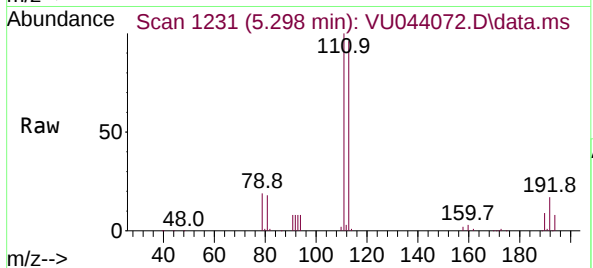
Tgt Ion:113 Resp: 146906

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

192 17.5 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.093 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044072.D

Acq: 07 Jun 2021 21:50

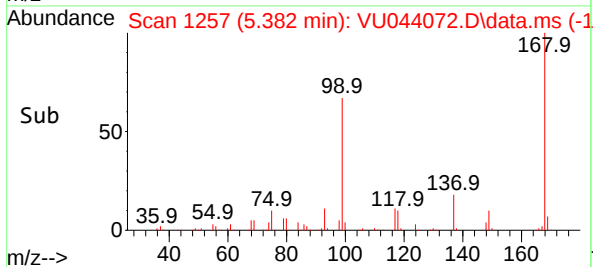
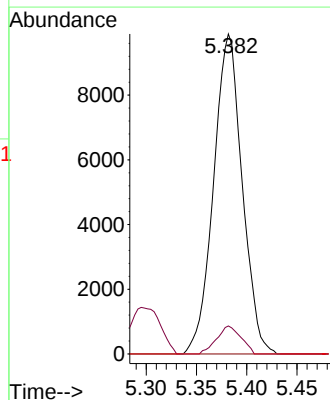
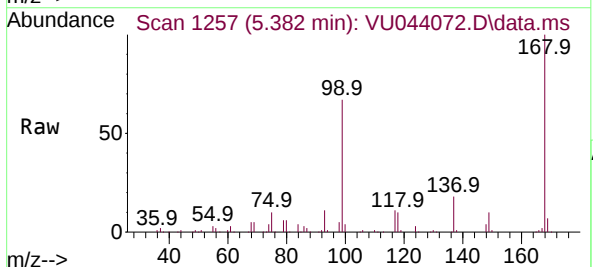
Tgt Ion: 75 Resp: 19584

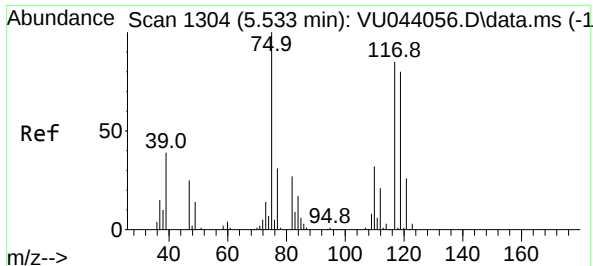
Ion Ratio Lower Upper

75 100

110 7.4 15.9 47.7#

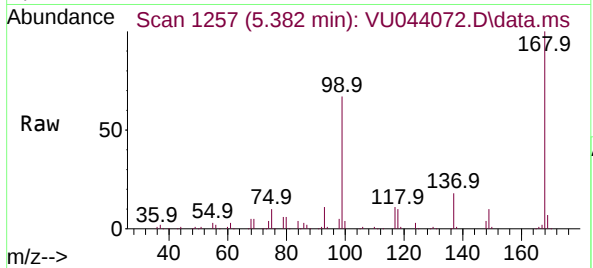
77 0.0 25.0 37.4#



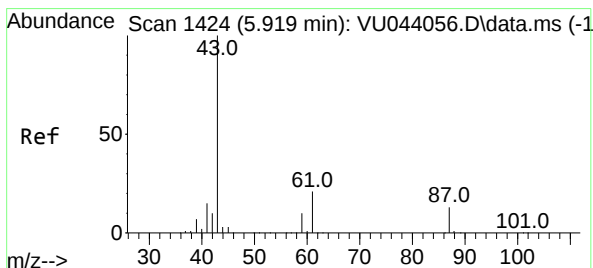
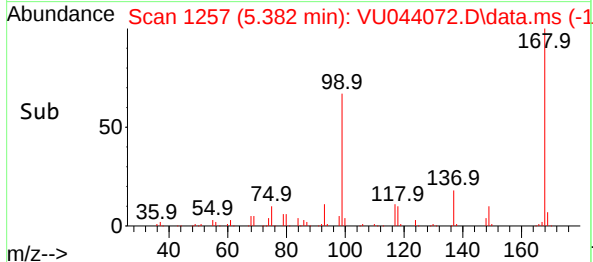
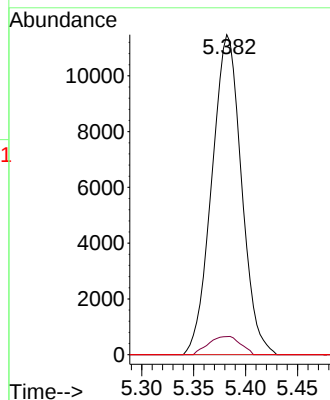


#38
Carbon Tetrachloride
Concen: 5.274 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

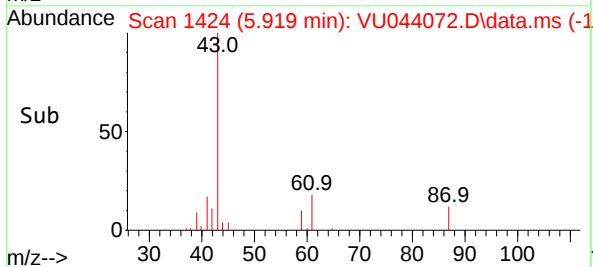
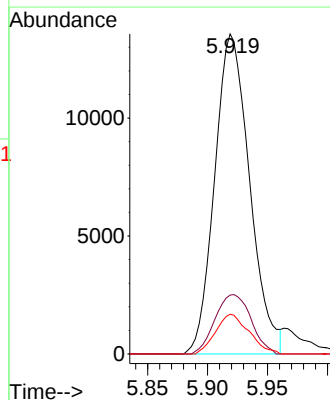
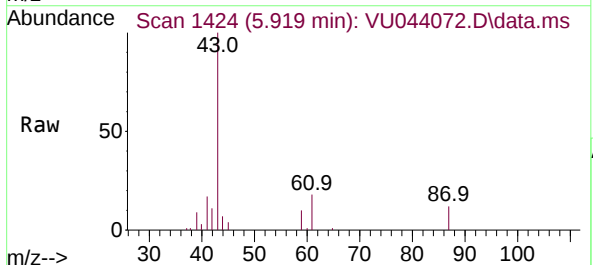


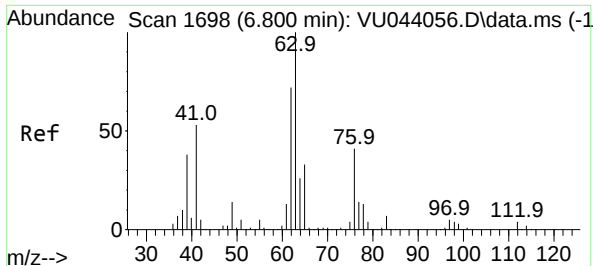
Tgt Ion:117 Resp: 22799
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.224 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 43 Resp: 27483
Ion Ratio Lower Upper
43 100
61 19.1 16.8 25.2
87 11.8 10.2 15.2

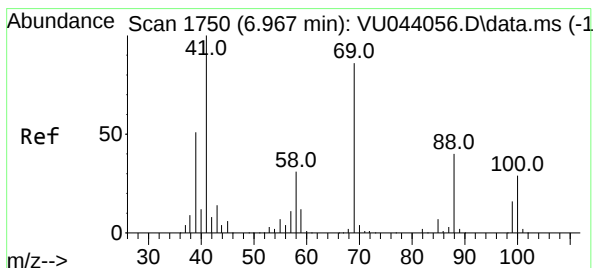
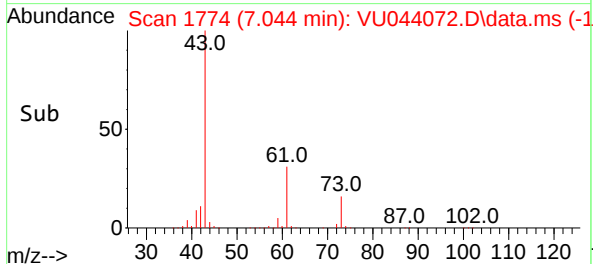
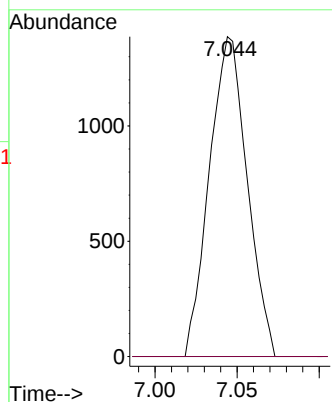
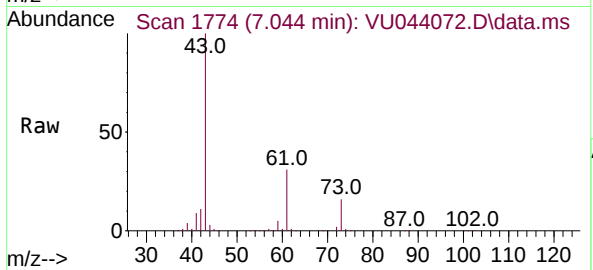




#45
1,2-Dichloropropane
Concen: 0.564 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

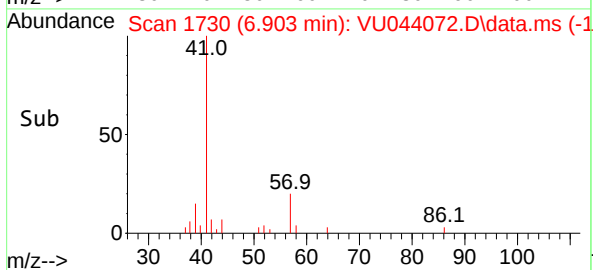
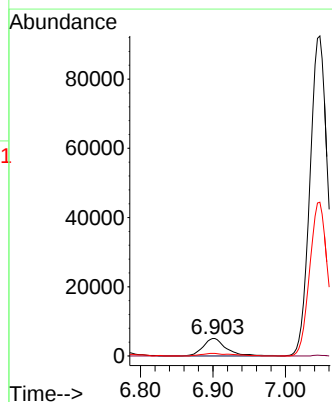
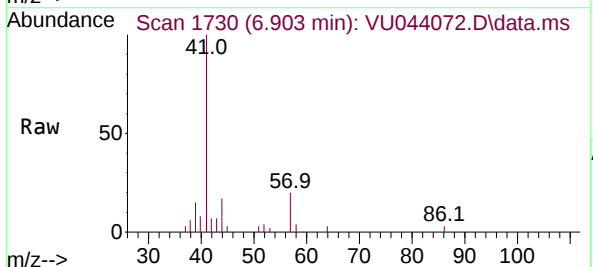
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

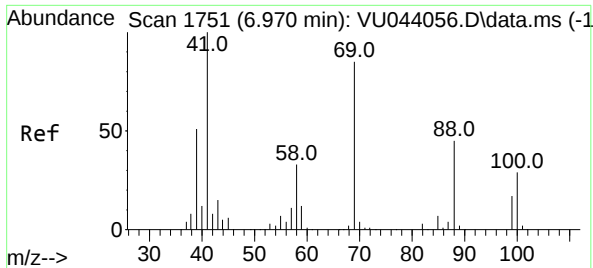
Tgt Ion: 63 Resp: 2221
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#



#48
Methyl methacrylate
Concen: 2.672 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 41 Resp: 11229
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: 1.529 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044072.D

Acq: 07 Jun 2021 21:50

Tgt Ion: 88 Resp: 158

Ion Ratio Lower Upper

88 100

43 1104042.4 25.0 37.4#

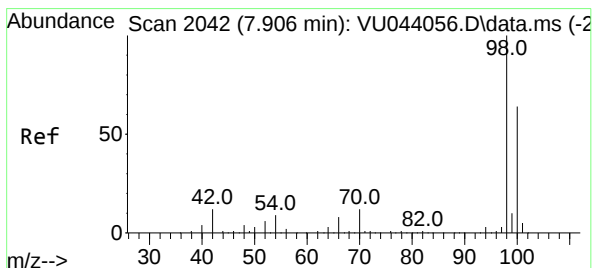
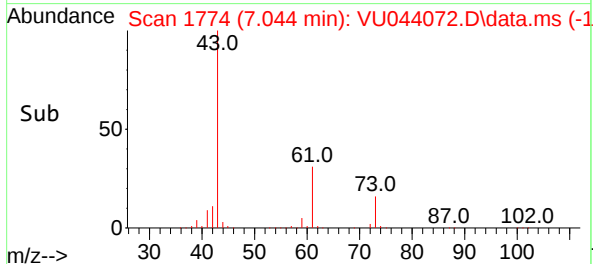
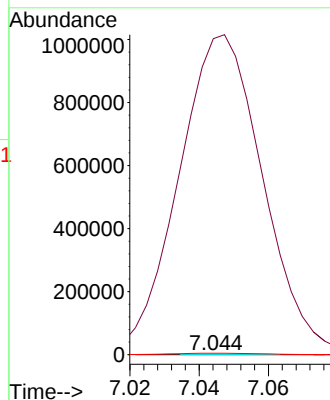
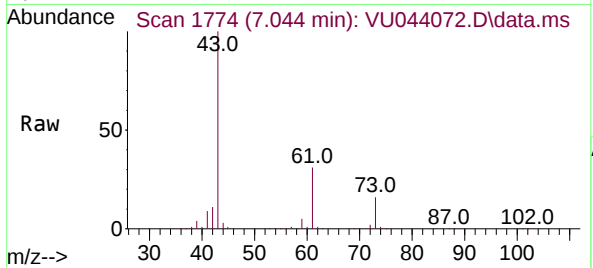
58 5703.8 60.0 90.0#

Instrument :

MSVOA_U

ClientSampleId :

18-B12(18-22)



#50

Toluene-d8

Concen: 49.800 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU044072.D

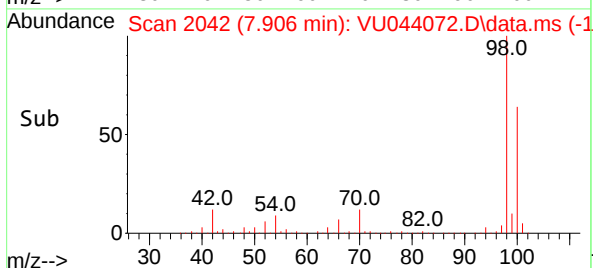
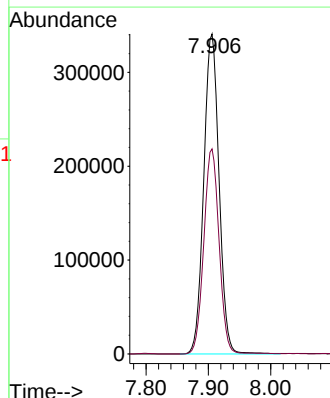
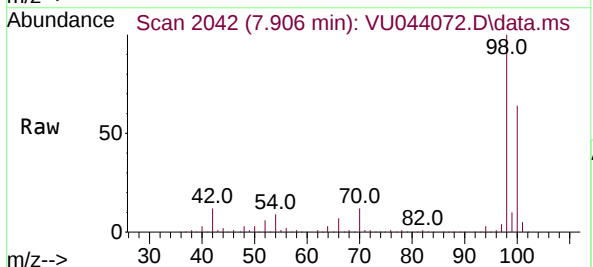
Acq: 07 Jun 2021 21:50

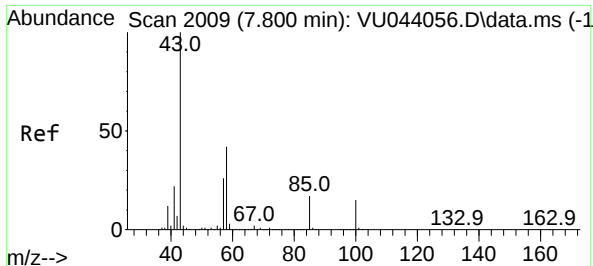
Tgt Ion: 98 Resp: 582175

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4

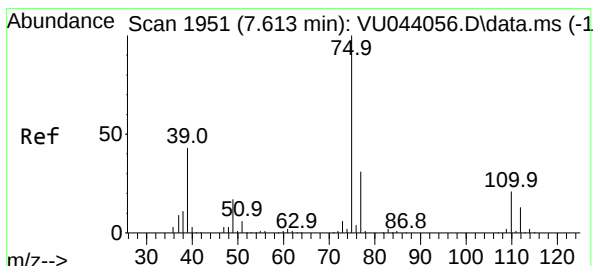
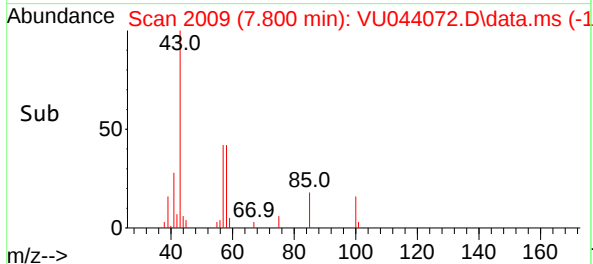
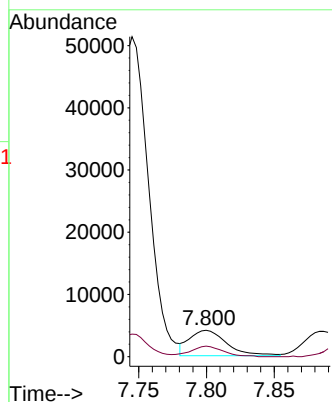
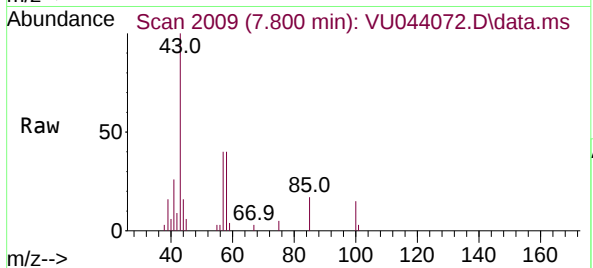




#51
4-Methyl-2-Pentanone
Concen: 1.239 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

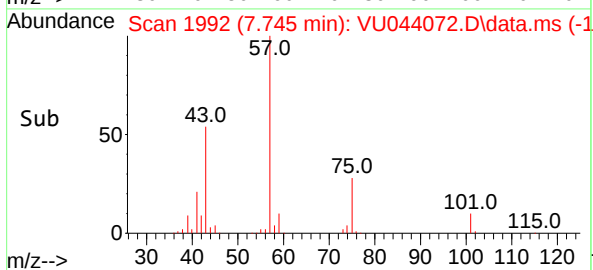
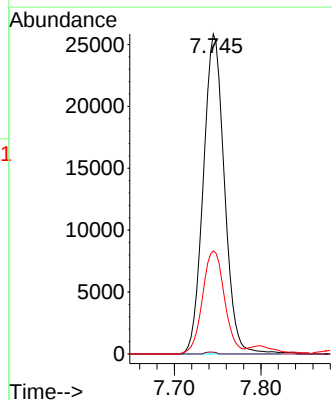
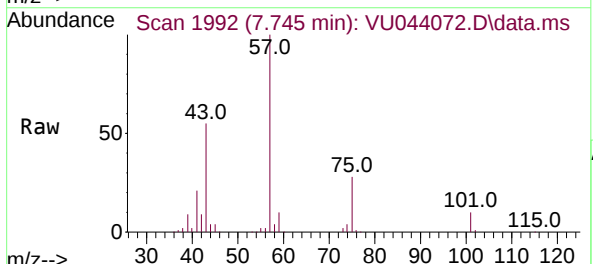
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

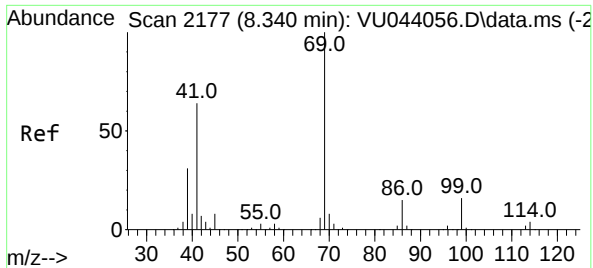
Tgt Ion: 43 Resp: 7842
Ion Ratio Lower Upper
43 100
58 36.5 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 7.479 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 75 Resp: 43760
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 32.2 34.7 52.1#

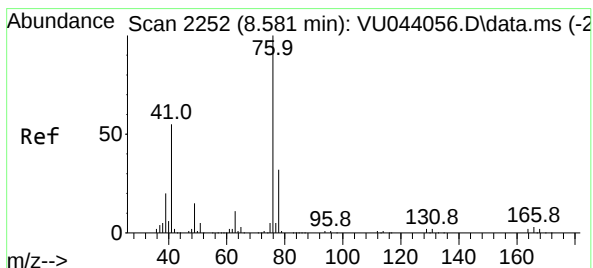
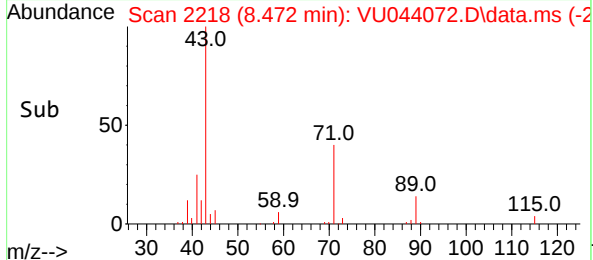
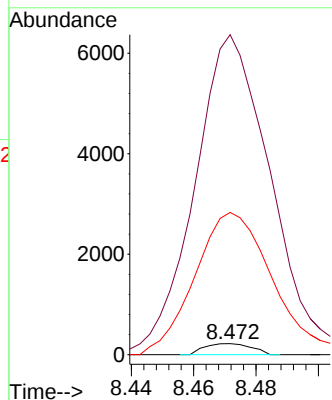
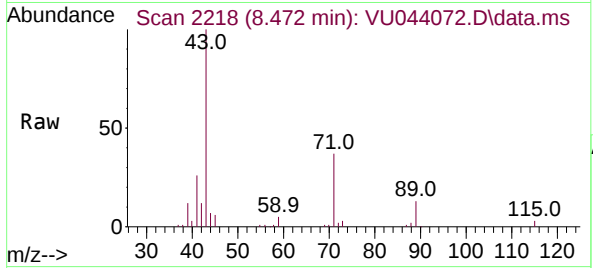




#56
Ethyl methacrylate
Concen: 3.419 ug/l
RT: 8.472 min Scan# 2218
Delta R.T. 0.132 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

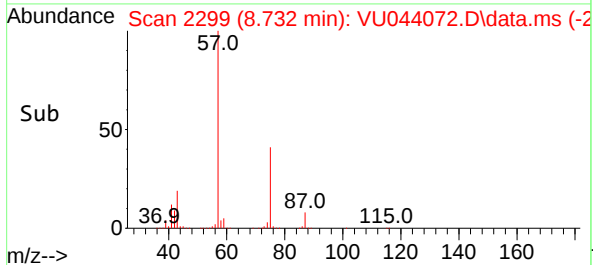
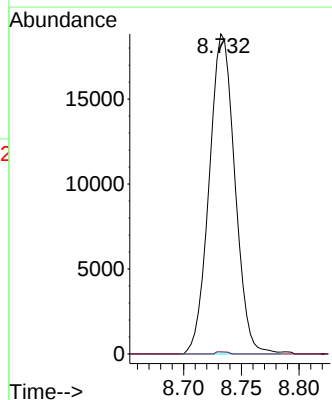
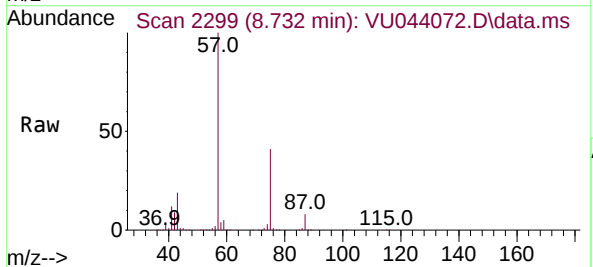
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

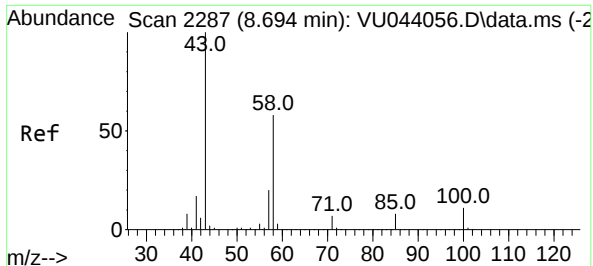
Tgt Ion: 69 Resp: 231
Ion Ratio Lower Upper
69 100
41 4738.5 51.4 77.0#
39 2176.2 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.528 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 76 Resp: 29173
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#

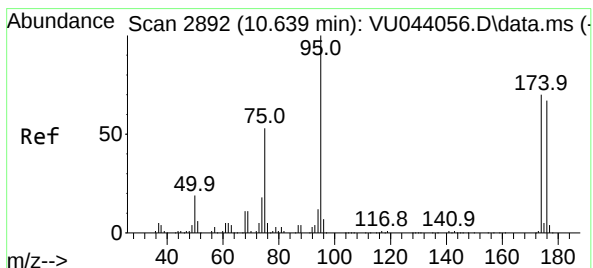
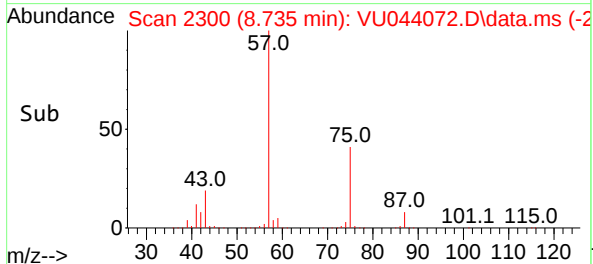
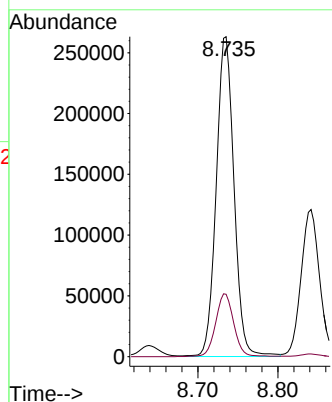
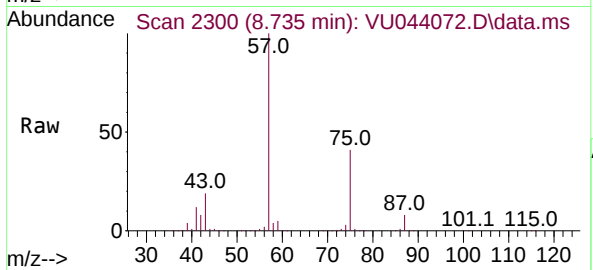




#59
2-Hexanone
Concen: 82.372 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

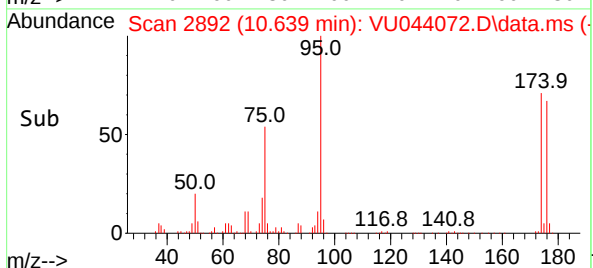
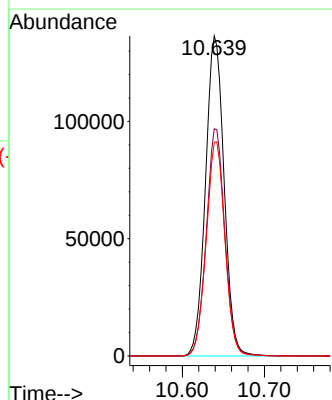
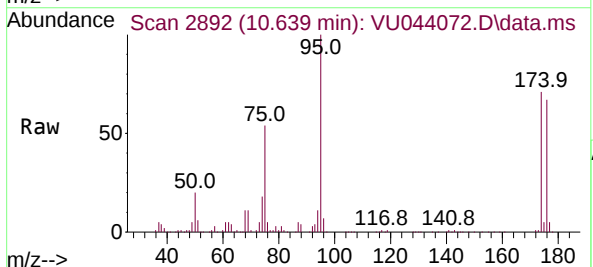
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

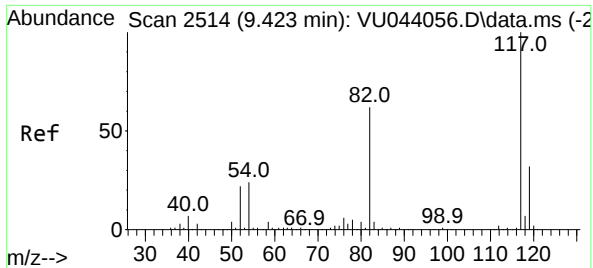
Tgt Ion: 43 Resp: 405176
Ion Ratio Lower Upper
43 100
58 20.2 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 46.415 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 95 Resp: 214825
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.0
176 67.3 0.0 135.2

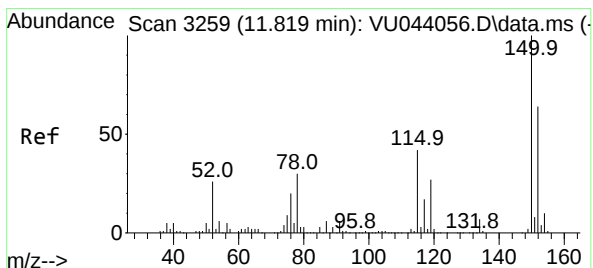
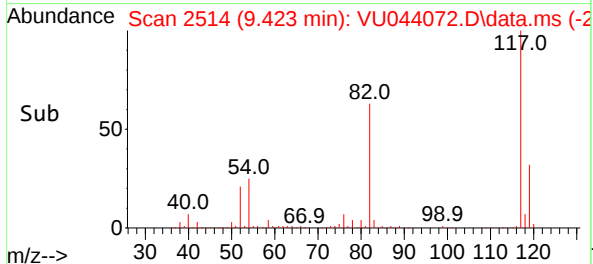
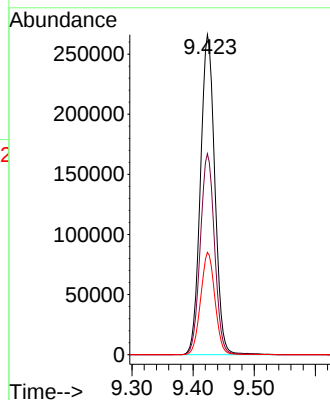
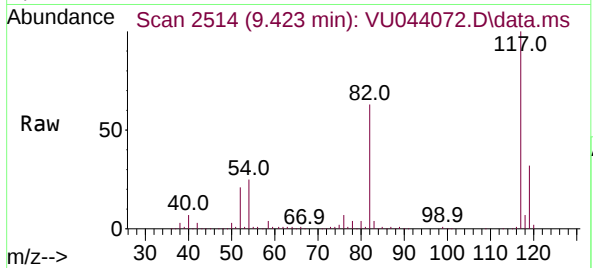




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

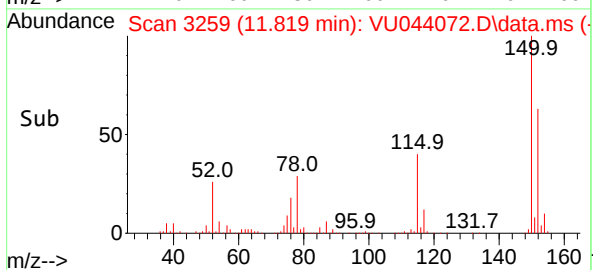
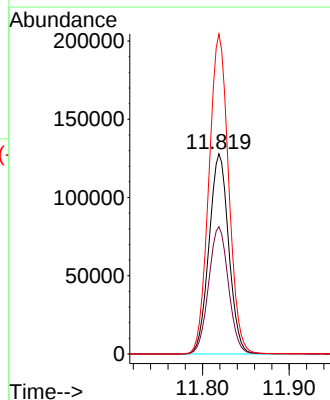
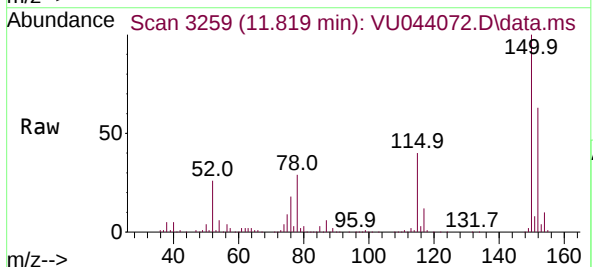
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

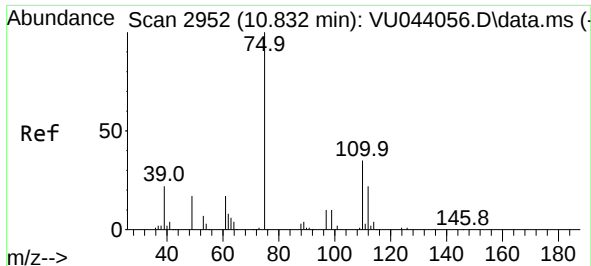
Tgt Ion:117 Resp: 435712
Ion Ratio Lower Upper
117 100
82 62.8 50.0 75.0
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion:152 Resp: 201977
Ion Ratio Lower Upper
152 100
115 64.1 44.6 134.0
150 160.4 0.0 347.8

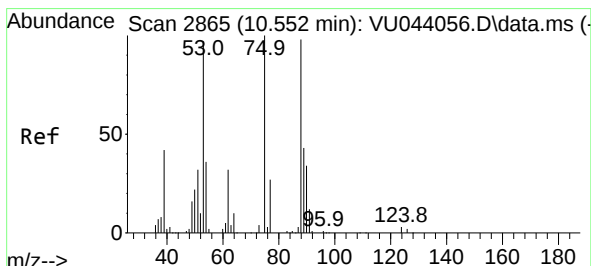
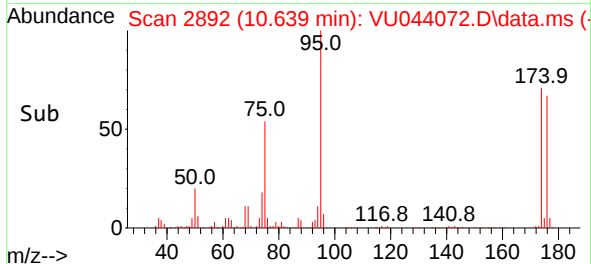
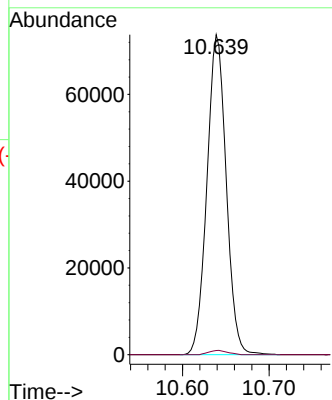
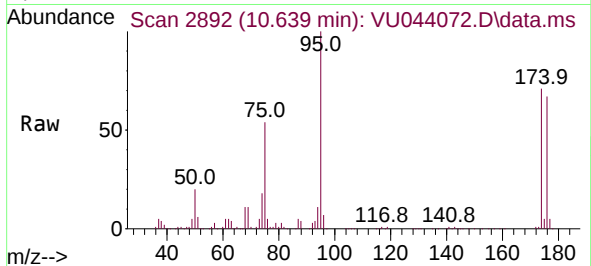




#76
1,2,3-Trichloropropane
Concen: 20.185 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

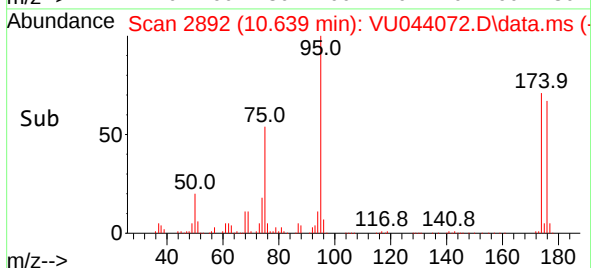
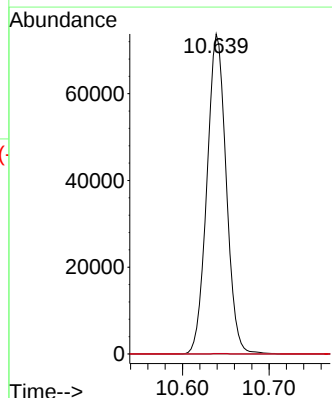
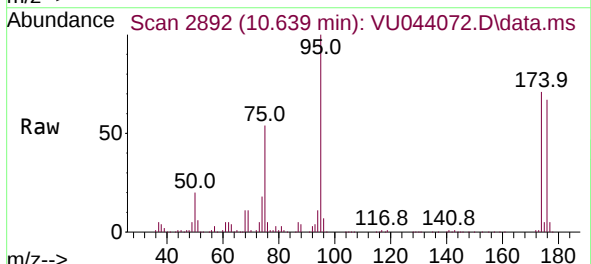
Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

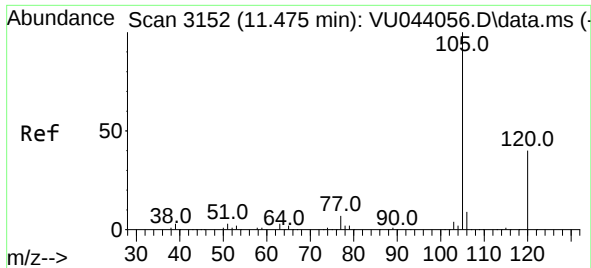
Tgt Ion: 75 Resp: 114051
Ion Ratio Lower Upper
75 100
77 1.3 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.941 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion: 75 Resp: 114051
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

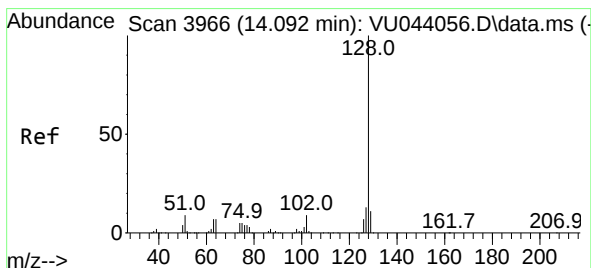
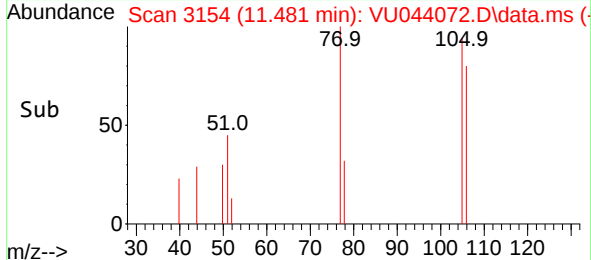
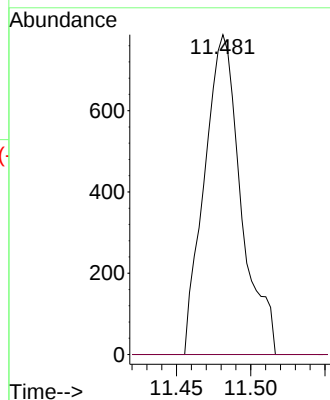
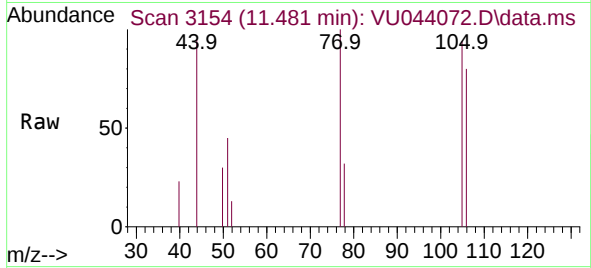




#84
1,2,4-Trimethylbenzene
Concen: 1.051 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Instrument :
MSVOA_U
ClientSampleId :
18-B12(18-22)

Tgt Ion:105 Resp: 1354
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 2.978 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044072.D
Acq: 07 Jun 2021 21:50

Tgt Ion:128 Resp: 1941
Ion Ratio Lower Upper
128 100
127 5.3 10.2 15.4#
129 6.3 8.7 13.1#

