

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044073.D
 Acq On : 07 Jun 2021 22:13
 Operator : SY/MD
 Sample : M2612-25
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 18-B12(22-26)

Quant Time: Jun 08 05:46:43 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)

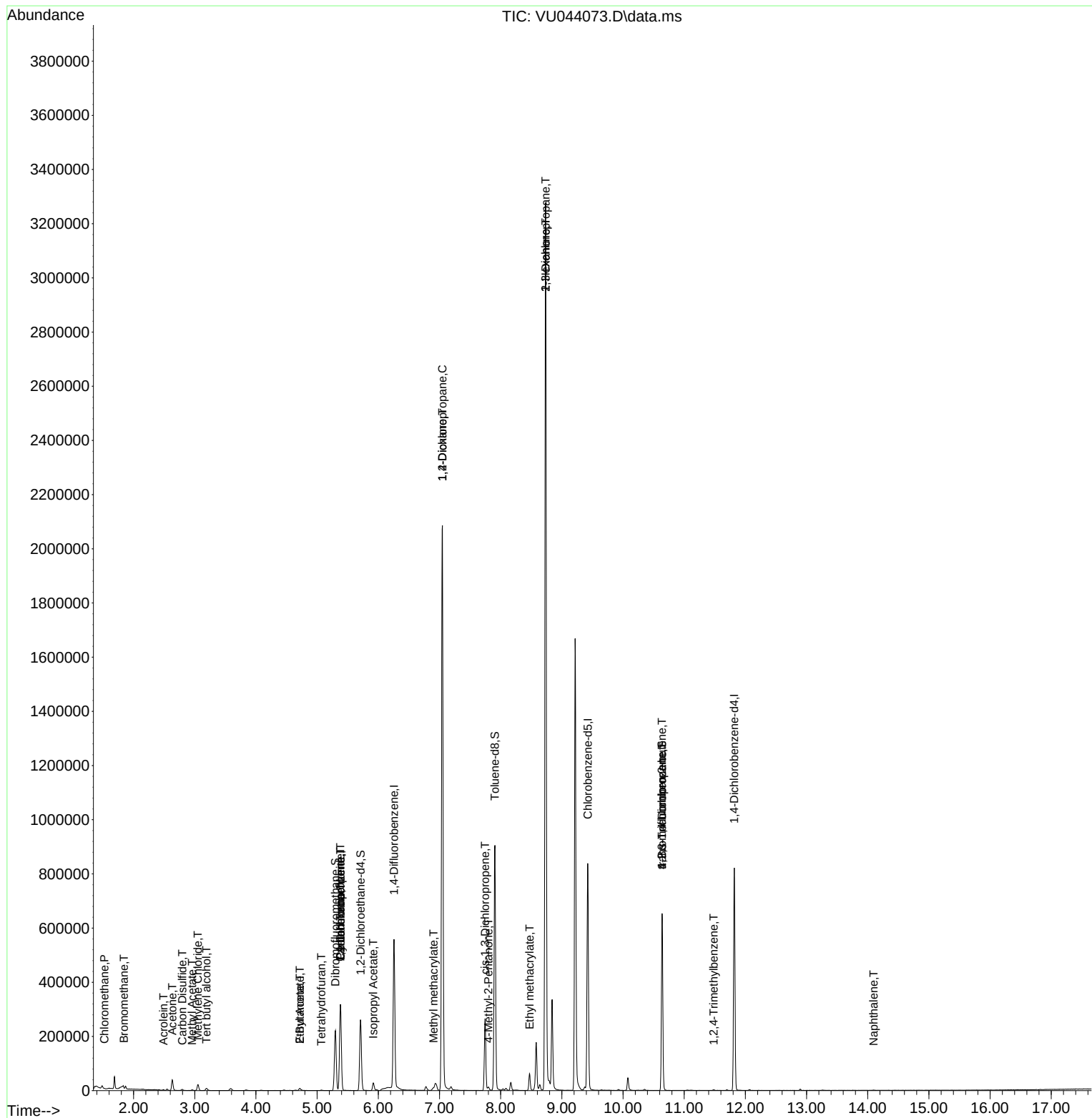
Internal Standards						
1) Pentafluorobenzene	5.382	168	202284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	418233	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	433167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	201988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	192541	54.654	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.300%	
35) Dibromofluoromethane	5.298	113	142538	47.758	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.520%	
50) Toluene-d8	7.906	98	572592	49.738	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.480%	
62) 4-Bromofluorobenzene	10.639	95	217991	47.827	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.660%	
Target Compounds					Qvalue	
3) Chloromethane	1.523	50	1170	0.280	ug/l	90
5) Bromomethane	1.842	94	543	0.350	ug/l	94
11) Tert butyl alcohol	3.192	59	5562	6.368	ug/l #	72
13) Acrolein	2.491	56	1803	2.626	ug/l	92
16) Acetone	2.633	43	44023	21.651	ug/l	99
17) Carbon Disulfide	2.797	76	2299	0.277	ug/l #	85
18) Methyl Acetate	2.957	43	3544	0.790	ug/l	94
20) Methylene Chloride	3.051	84	10236	1.716	ug/l	94
25) 2-Butanone	4.716	43	13010	4.485	ug/l	92
29) Tetrahydrofuran	5.070	42	1092	0.678	ug/l #	76
31) Cyclohexane	5.382	56	5431	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	19607	4.161	ug/l #	50
37) Ethyl Acetate	4.716	43	13010	2.192	ug/l #	68
38) Carbon Tetrachloride	5.379	117	22022	5.173	ug/l #	18
43) Isopropyl Acetate	5.919	43	30093	3.585	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2579	0.665	ug/l #	42
48) Methyl methacrylate	6.903	41	11181	2.702	ug/l #	14
49) 1,4-Dioxane	7.047	88	231	2.270	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	8379	1.344	ug/l	89
54) cis-1,3-Dichloropropene	7.745	75	45716	7.934	ug/l #	65
56) Ethyl methacrylate	8.475	69	248	3.423	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	32695	5.153	ug/l #	42
59) 2-Hexanone	8.735	43	438842	90.596	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	113790	20.138	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	113790	58.803	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.481	105	1109	1.032	ug/l #	32
95) Naphthalene	14.095	128	1438	2.944	ug/l #	69

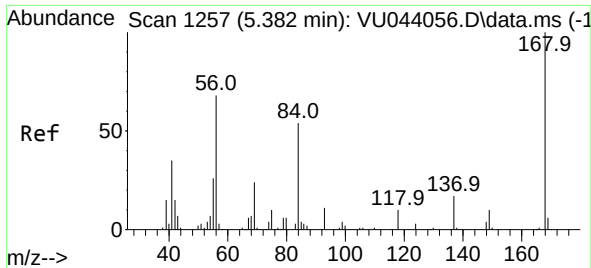
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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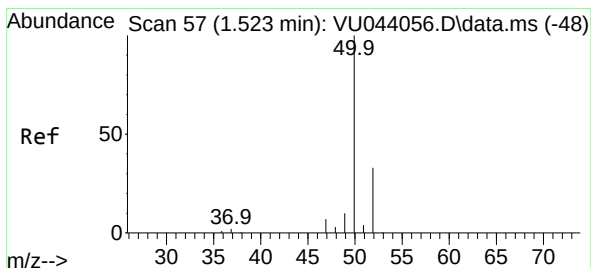
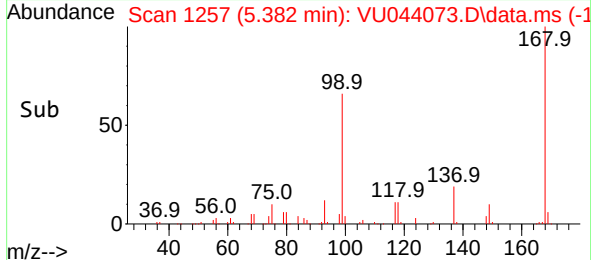
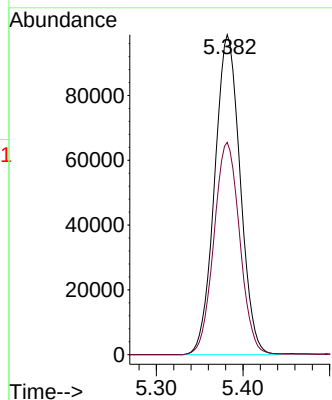
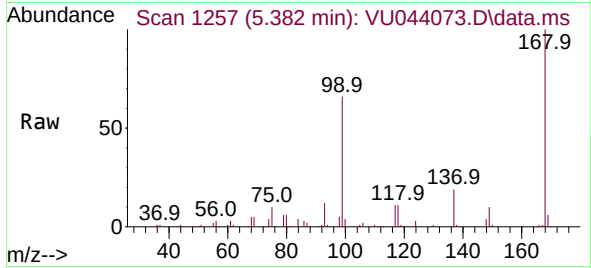




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

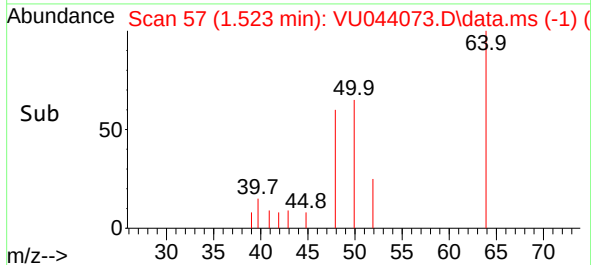
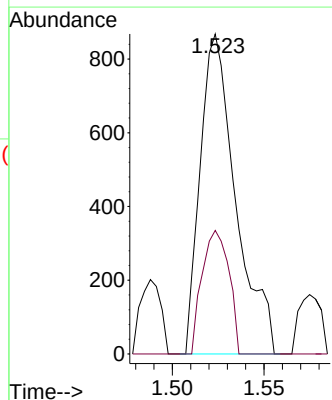
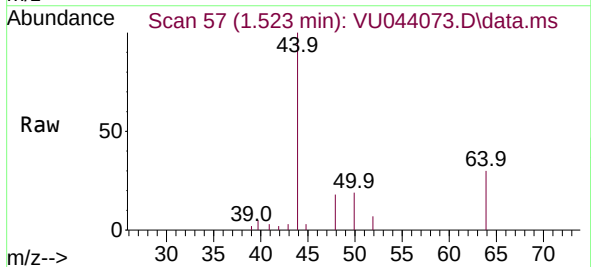
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

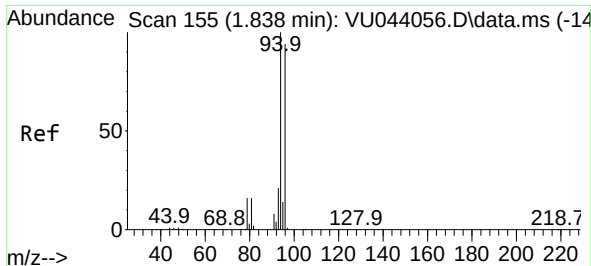
Tgt Ion:168 Resp: 202284
Ion Ratio Lower Upper
168 100
99 66.3 52.6 78.8



#3
Chloromethane
Concen: 0.280 ug/l
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 50 Resp: 1170
Ion Ratio Lower Upper
50 100
52 38.6 26.2 39.2

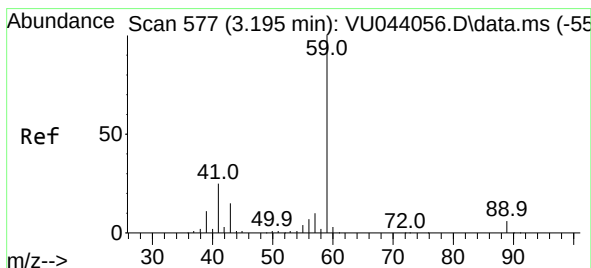
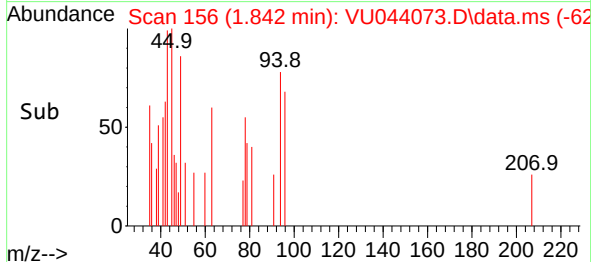
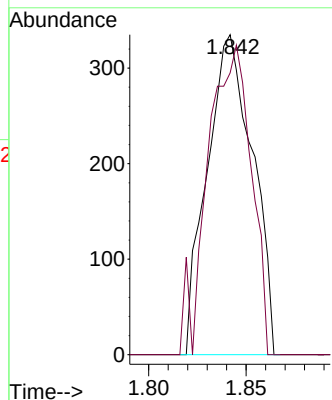
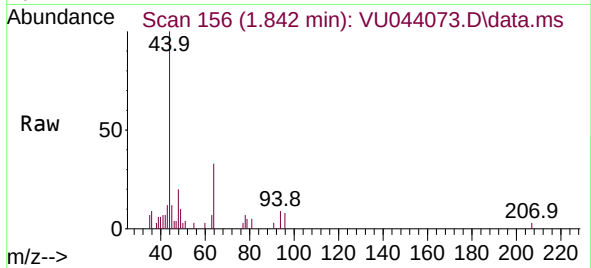




#5
Bromomethane
Concen: 0.350 ug/l
RT: 1.842 min Scan# 156
Delta R.T. 0.004 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

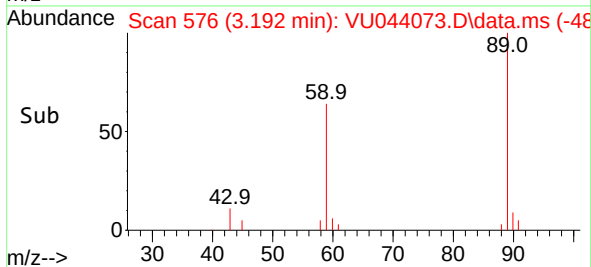
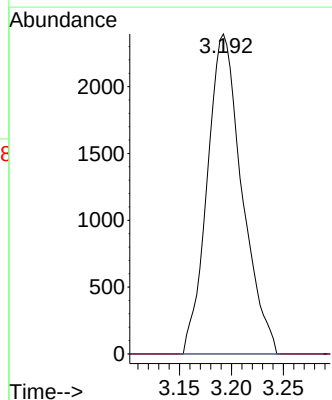
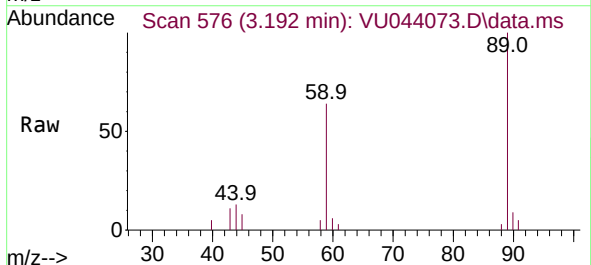
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

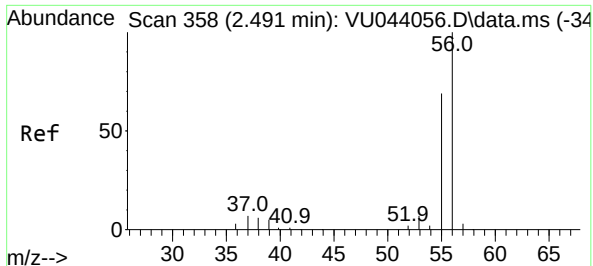
Tgt Ion: 94 Resp: 543
Ion Ratio Lower Upper
94 100
96 88.1 74.8 112.2



#11
Tert butyl alcohol
Concen: 6.368 ug/l
RT: 3.192 min Scan# 576
Delta R.T. -0.003 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 59 Resp: 5562
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

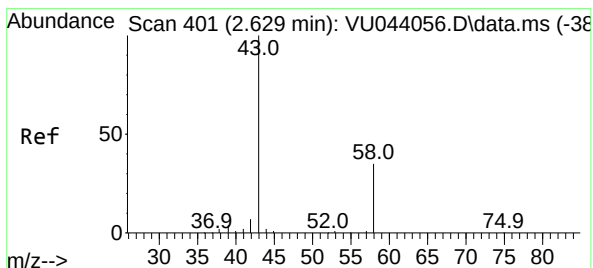
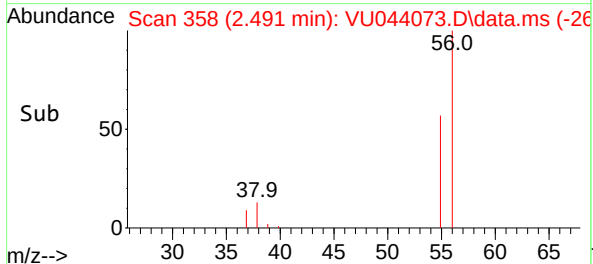
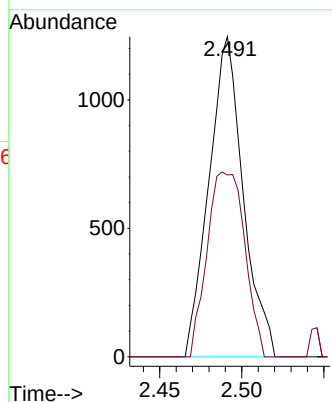
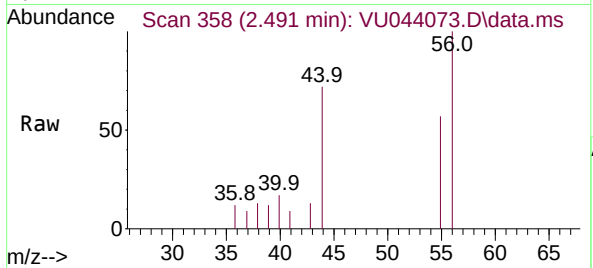




#13
Acrolein
Concen: 2.626 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

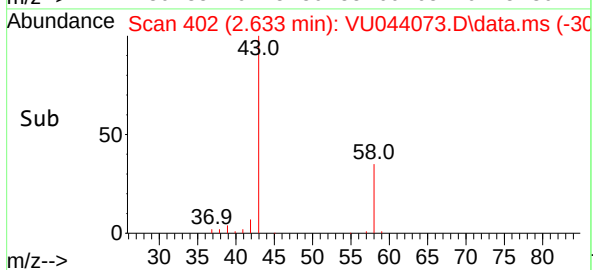
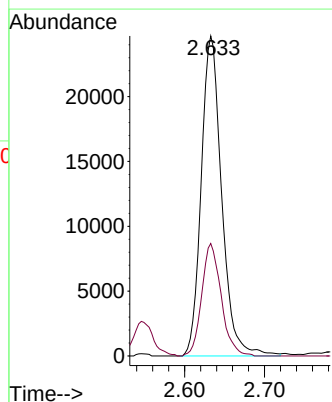
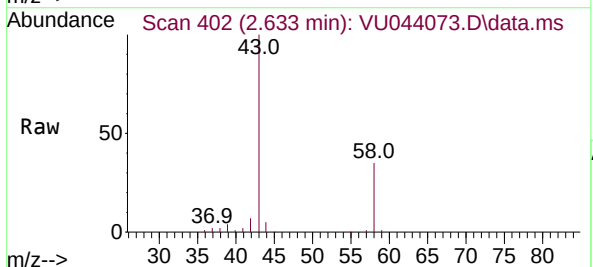
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

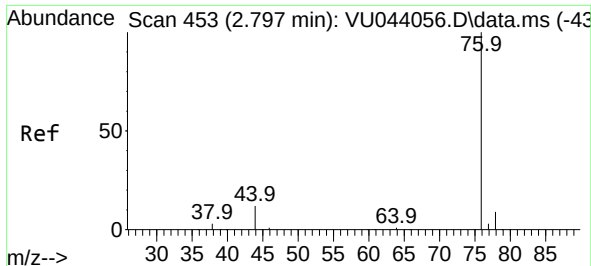
Tgt Ion: 56 Resp: 1803
Ion Ratio Lower Upper
56 100
55 63.4 56.1 84.1



#16
Acetone
Concen: 21.651 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

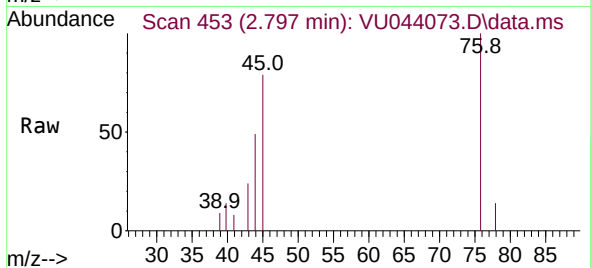
Tgt Ion: 43 Resp: 44023
Ion Ratio Lower Upper
43 100
58 35.1 27.7 41.5



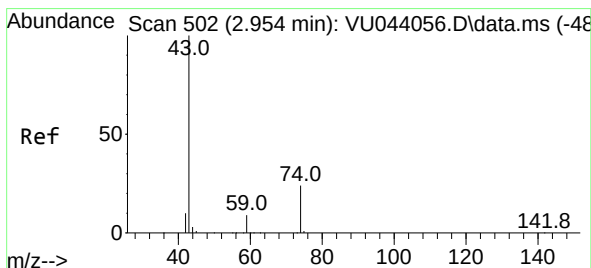
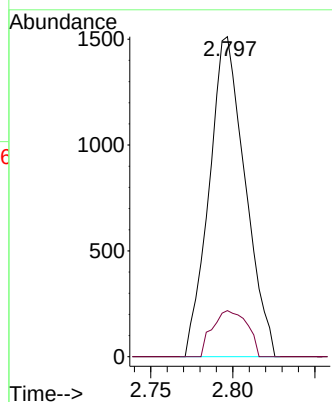
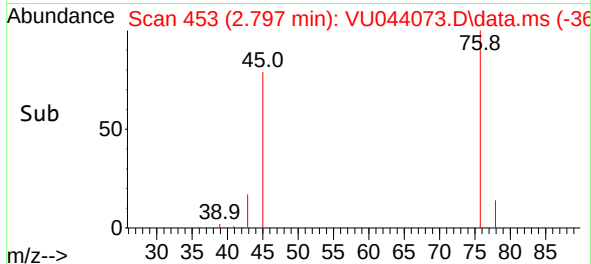


#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

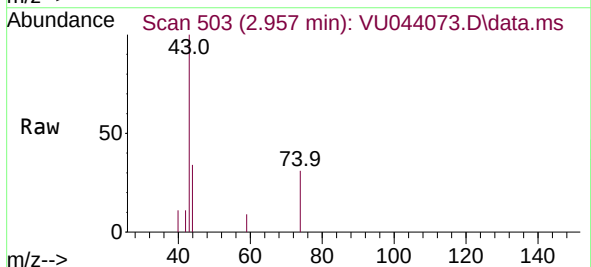
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)



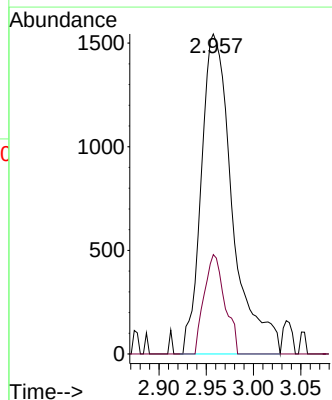
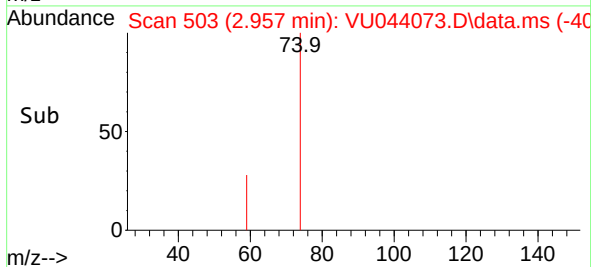
Tgt Ion: 76 Resp: 2299
Ion Ratio Lower Upper
76 100
78 14.4 7.2 10.8#

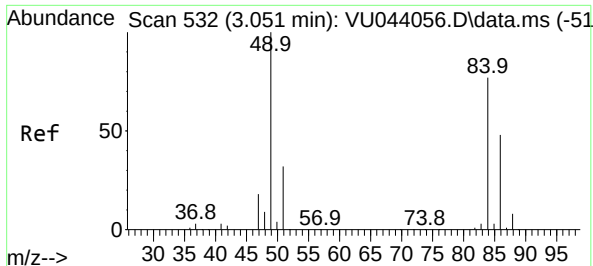


#18
Methyl Acetate
Concen: 0.790 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13



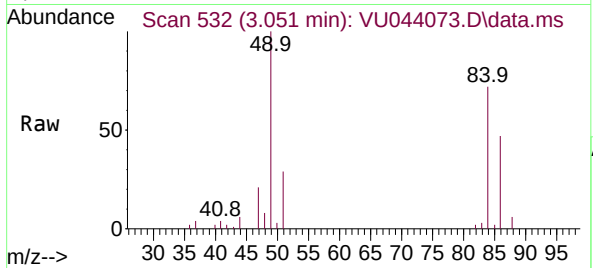
Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
74 20.5 18.7 28.1



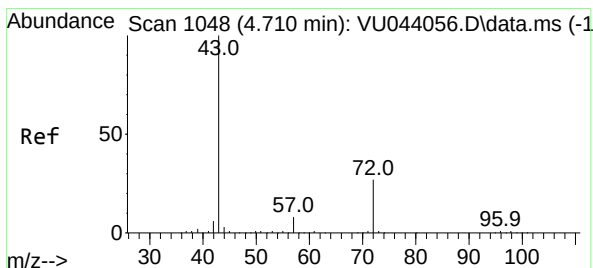
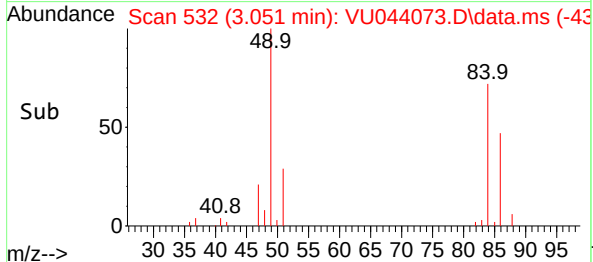
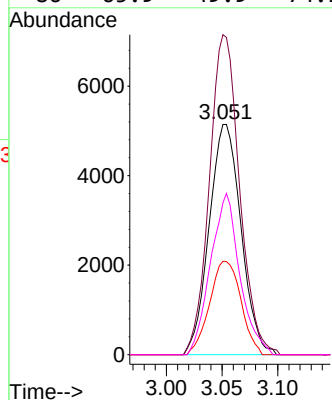


#20
Methylene Chloride
Concen: 1.716 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

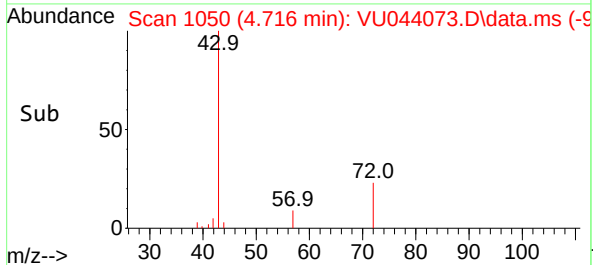
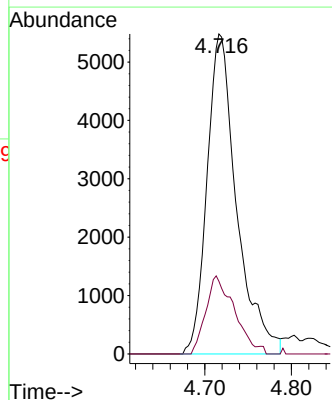
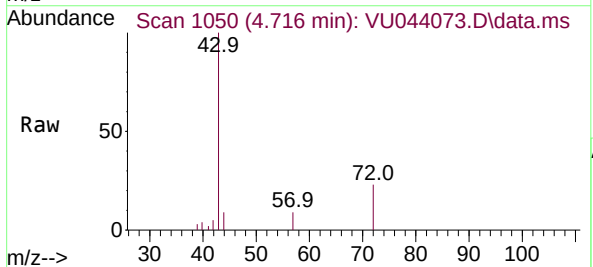


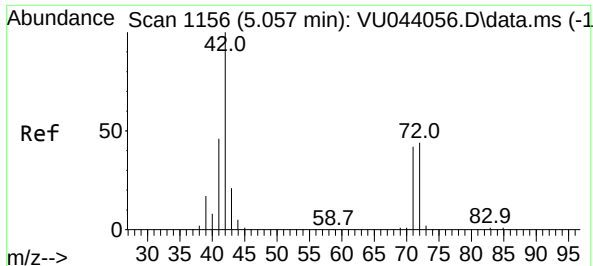
Tgt Ion:	84	Resp:	10236
Ion	Ratio	Lower	Upper
84	100		
49	139.0	103.6	155.4
51	40.6	32.8	49.2
86	65.9	49.9	74.9



#25
2-Butanone
Concen: 4.485 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion:	43	Resp:	13010
Ion	Ratio	Lower	Upper
43	100		
72	22.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.678 ug/l

RT: 5.070 min Scan# 1160

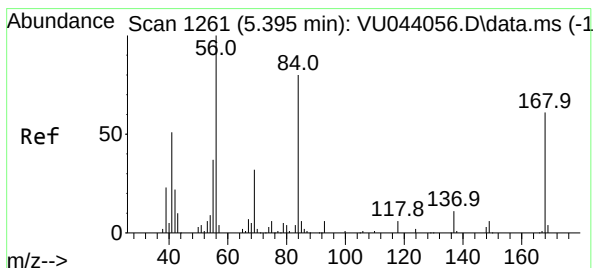
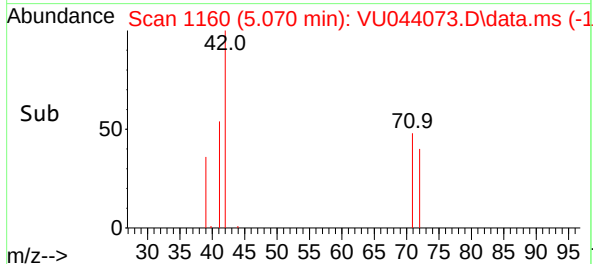
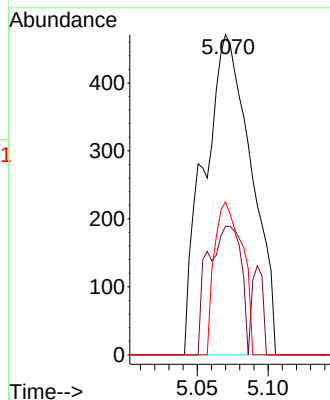
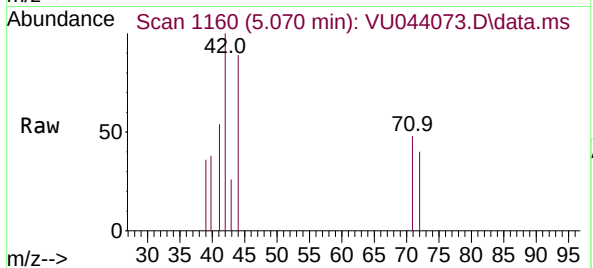
Delta R.T. 0.013 min

Lab File: VU044073.D

Acq: 07 Jun 2021 22:13

Tgt Ion:	42	Resp:	1092
Ion	Ratio	Lower	Upper
42	100		
72	28.0	35.6	53.4#
71	28.0	33.3	49.9#

Instrument :
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#31

Cyclohexane

Concen: 1.117 ug/l

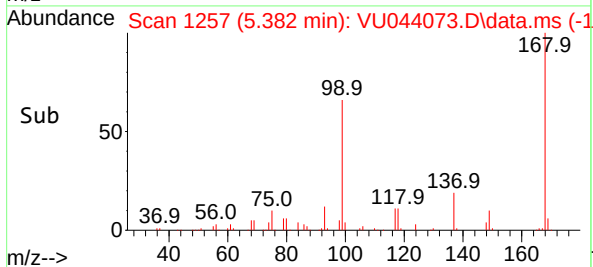
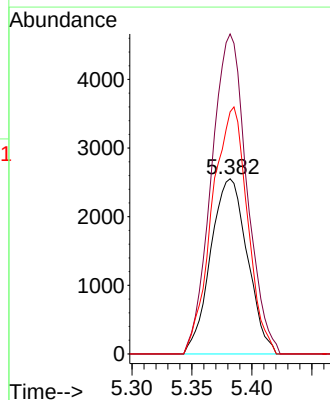
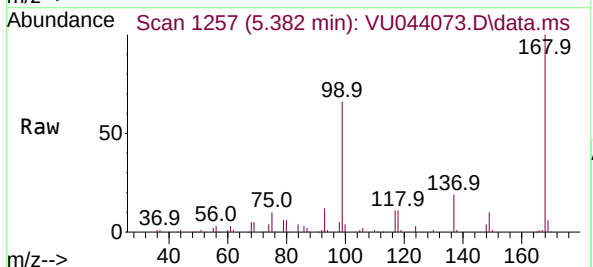
RT: 5.382 min Scan# 1257

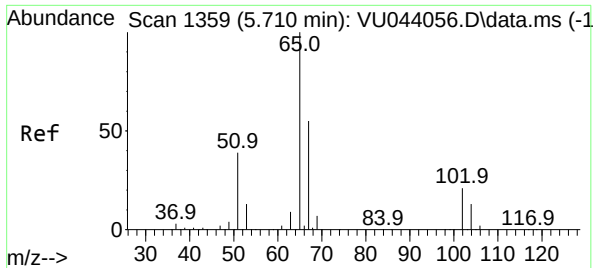
Delta R.T. -0.013 min

Lab File: VU044073.D

Acq: 07 Jun 2021 22:13

Tgt Ion:	56	Resp:	5431
Ion	Ratio	Lower	Upper
56	100		
69	182.6	25.4	38.2#
84	138.2	64.2	96.2#

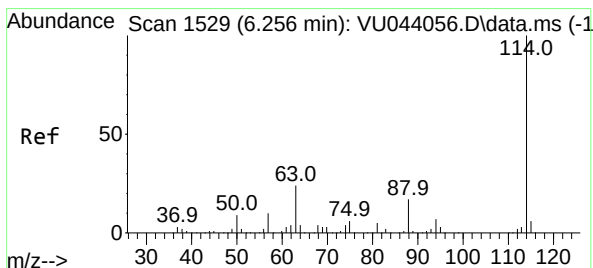
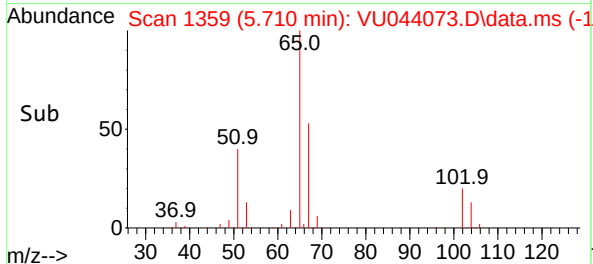
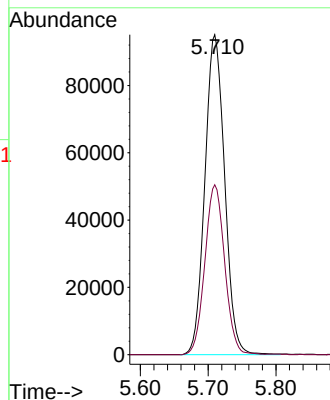
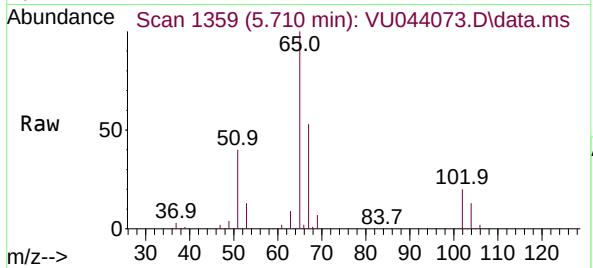




#33
1,2-Dichloroethane-d4
Concen: 54.654 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

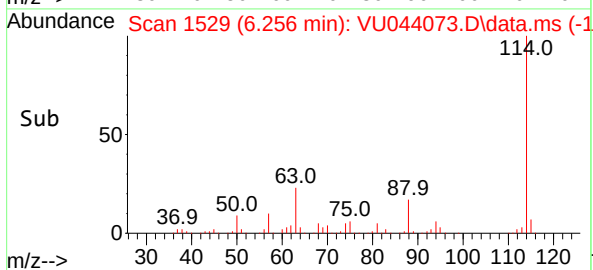
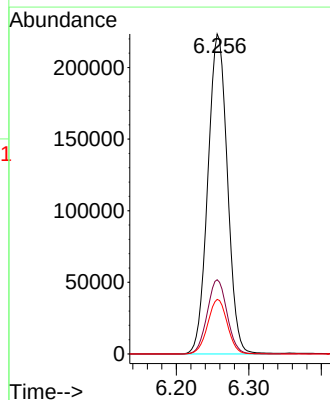
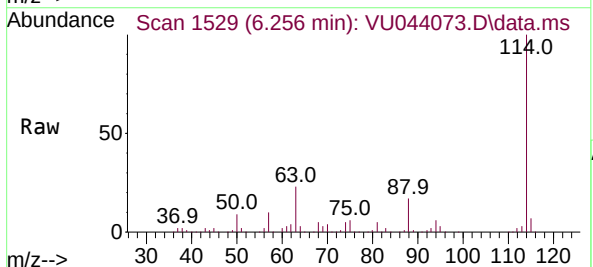
Instrument :
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ClientSampleId :
18-B12(22-26)

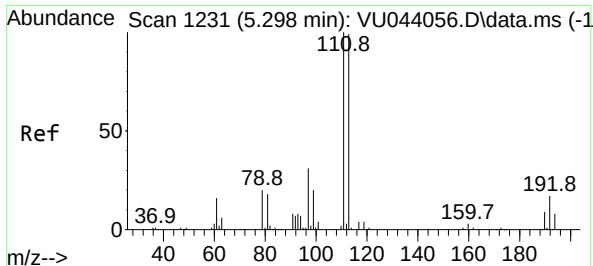
Tgt Ion: 65 Resp: 192541
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 114 Resp: 418233
Ion Ratio Lower Upper
114 100
63 23.2 0.0 48.4
88 17.0 0.0 34.4

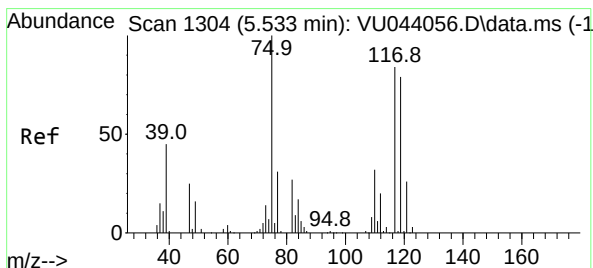
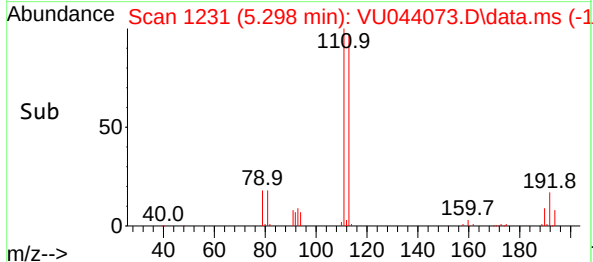
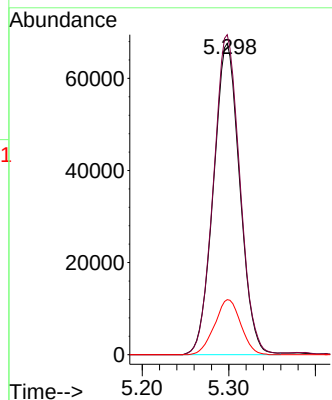
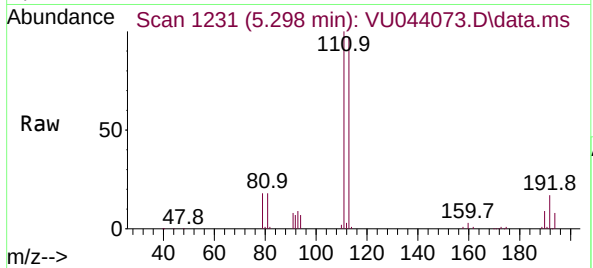




#35
Dibromofluoromethane
Concen: 47.758 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

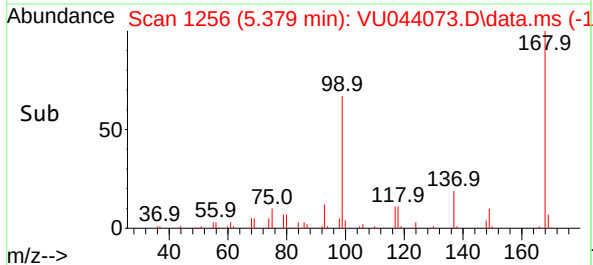
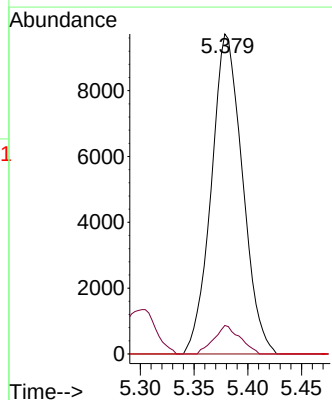
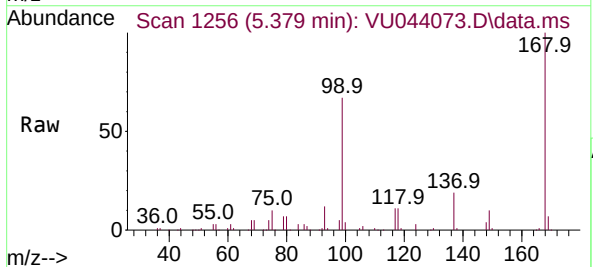
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

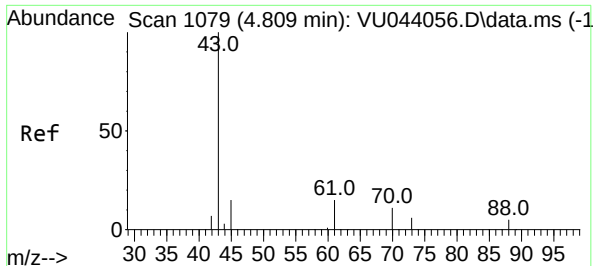
Tgt Ion:113 Resp: 142538
Ion Ratio Lower Upper
113 100
111 103.1 82.1 123.1
192 17.6 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.161 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 75 Resp: 19607
Ion Ratio Lower Upper
75 100
110 7.4 15.9 47.7#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.192 ug/l

RT: 4.716 min Scan# 1050

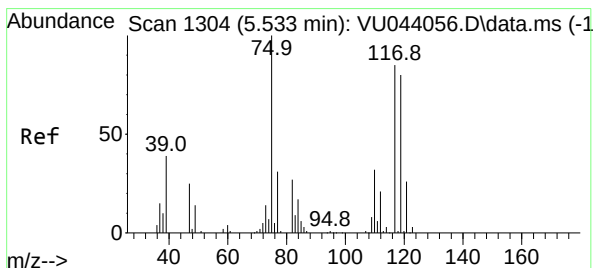
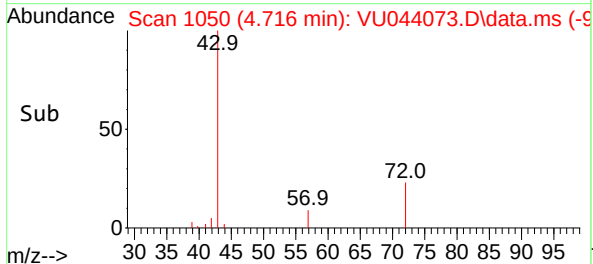
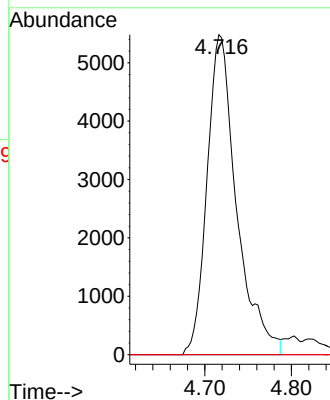
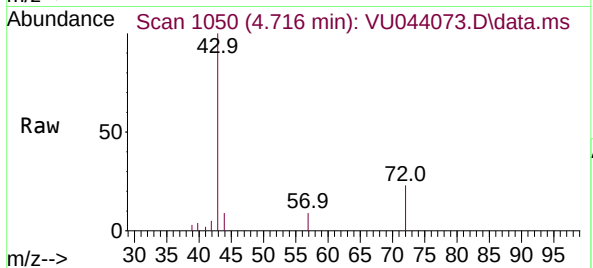
Delta R.T. -0.093 min

Lab File: VU044073.D

Acq: 07 Jun 2021 22:13

Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

Tgt Ion: 43	Resp: 13010
Ion Ratio	Lower Upper
43 100	
61 0.0	11.4 17.2#
70 0.0	8.6 12.8#



#38

Carbon Tetrachloride

Concen: 5.173 ug/l

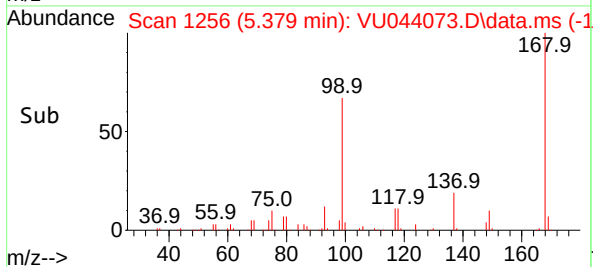
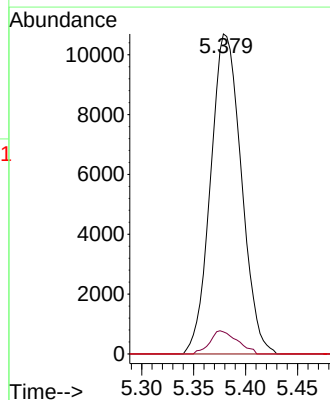
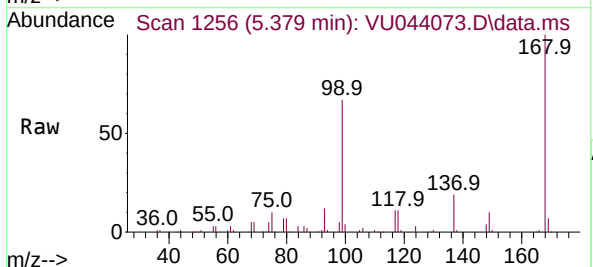
RT: 5.379 min Scan# 1256

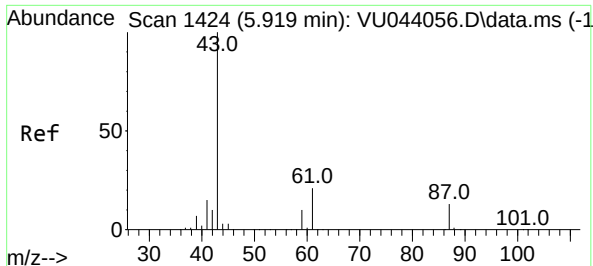
Delta R.T. -0.154 min

Lab File: VU044073.D

Acq: 07 Jun 2021 22:13

Tgt Ion: 117	Resp: 22022
Ion Ratio	Lower Upper
117 100	
119 6.9	75.4 113.2#
121 0.0	24.5 36.7#

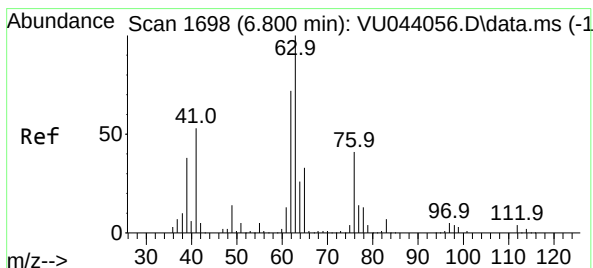
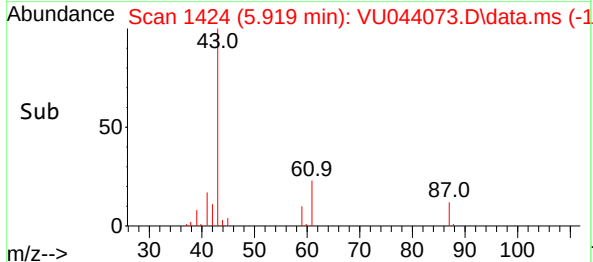
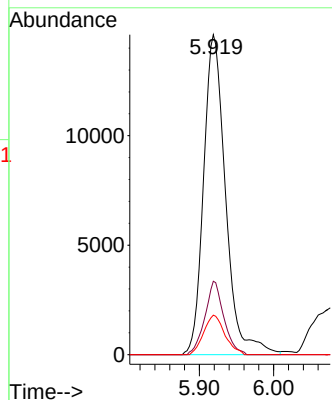
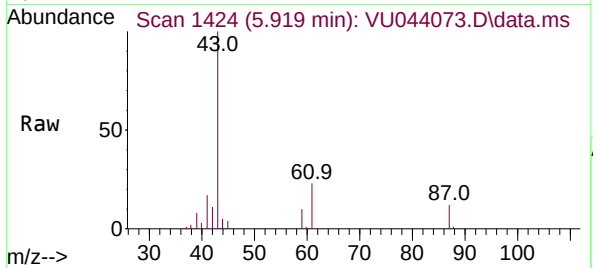




#43
Isopropyl Acetate
Concen: 3.585 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

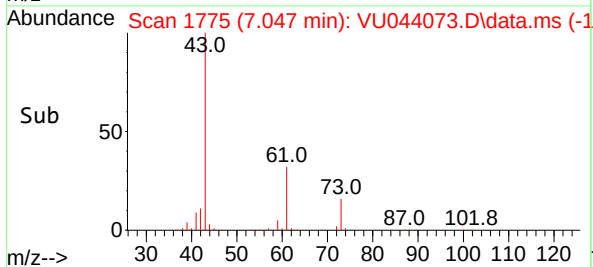
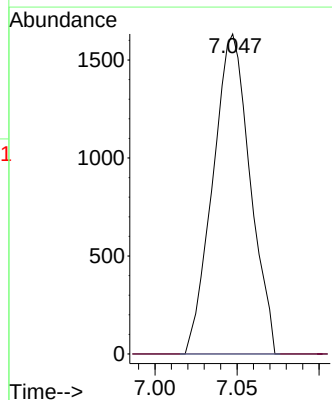
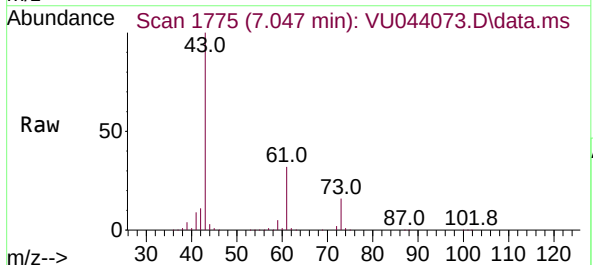
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

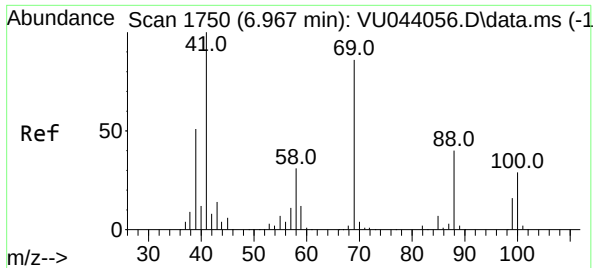
Tgt Ion:	43	Resp:	30093
Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.8	25.2
87	11.8	10.2	15.2



#45
1,2-Dichloropropane
Concen: 0.665 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.248 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion:	63	Resp:	2579
Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.3	39.5#

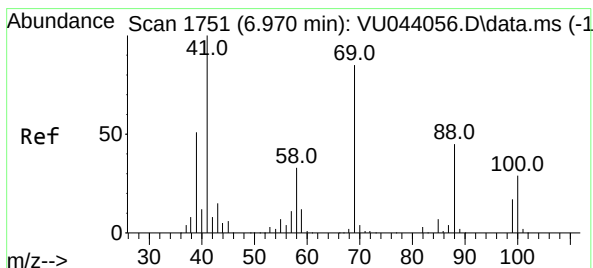
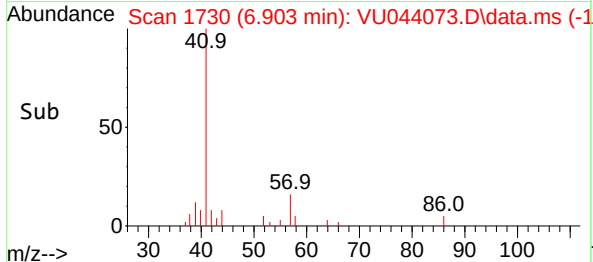
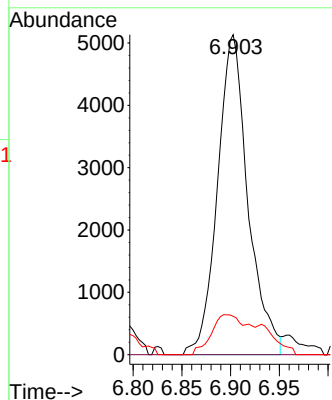
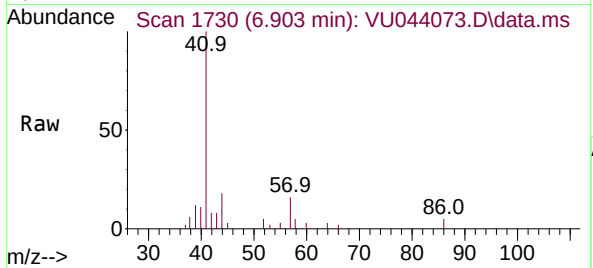




#48
Methyl methacrylate
Concen: 2.702 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

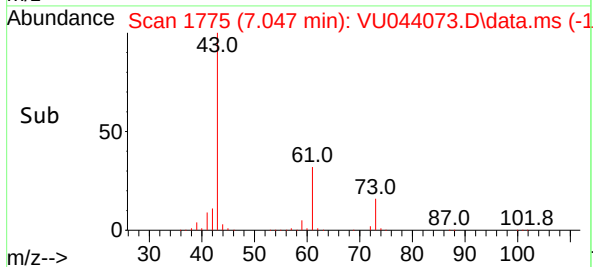
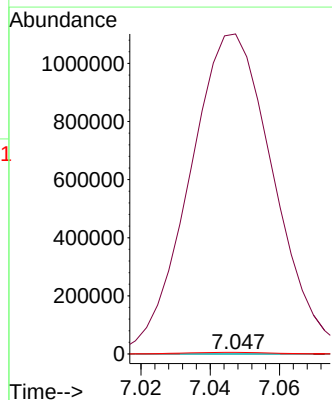
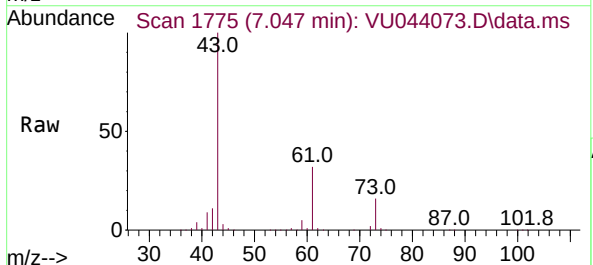
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

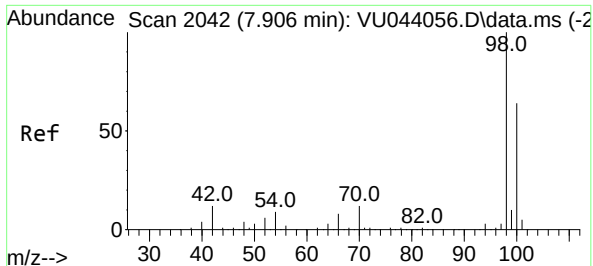
Tgt Ion: 41 Resp: 11181
Ion Ratio Lower Upper
41 100
69 0.0 68.9 103.3#
39 0.0 40.6 60.8#



#49
1,4-Dioxane
Concen: 2.270 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.077 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 88 Resp: 231
Ion Ratio Lower Upper
88 100
43 820359.7 25.0 37.4#
58 4450.6 60.0 90.0#

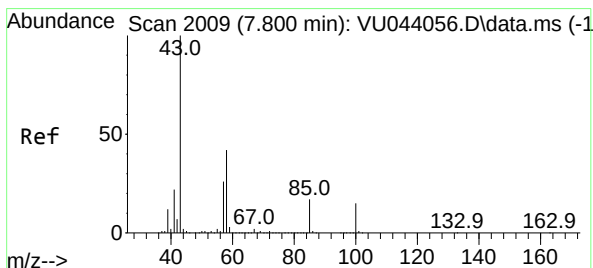
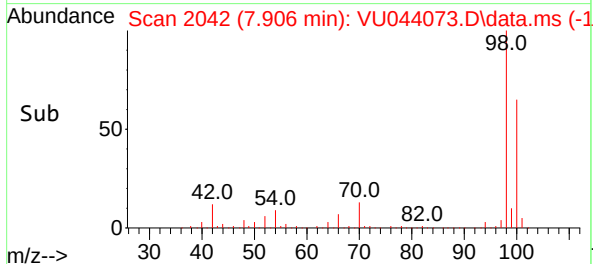
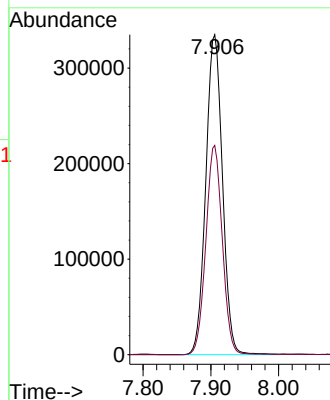
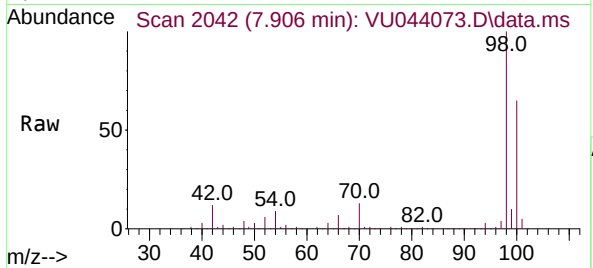




#50
Toluene-d8
Concen: 49.738 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

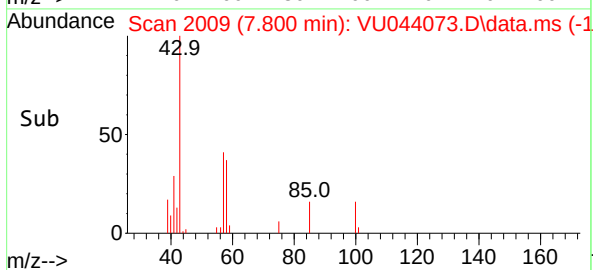
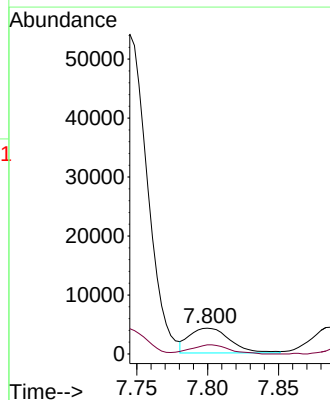
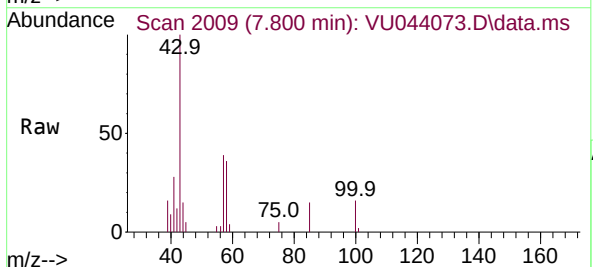
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

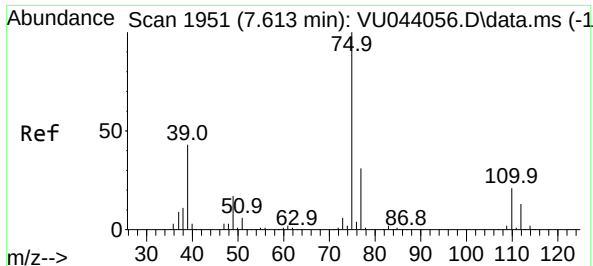
Tgt Ion: 98 Resp: 572592
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.344 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 43 Resp: 8379
Ion Ratio Lower Upper
43 100
58 34.4 33.3 49.9

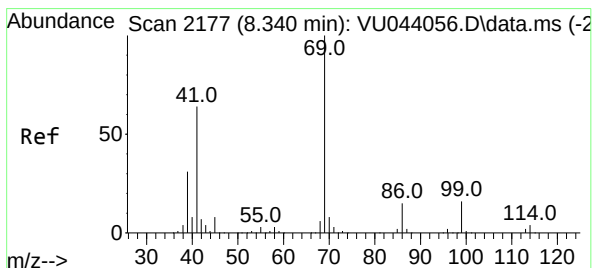
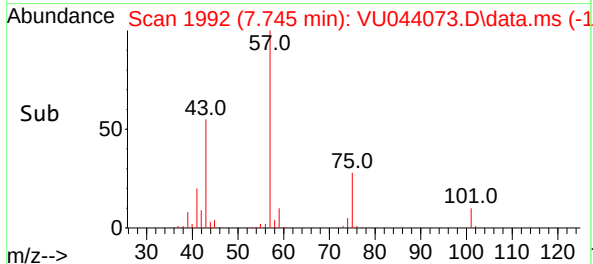
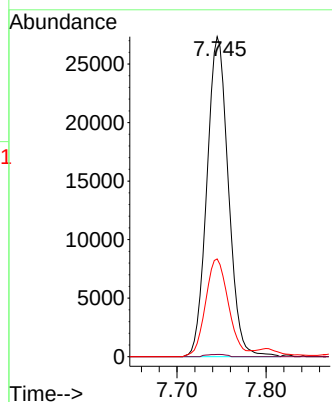
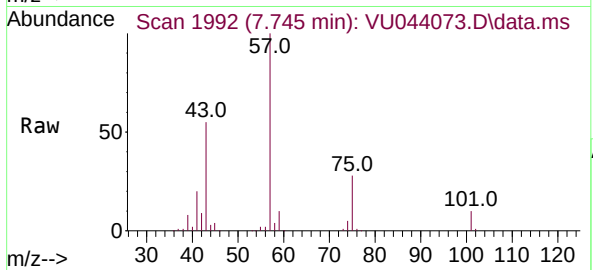




#54
 cis-1,3-Dichloropropene
 Concen: 7.934 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.132 min
 Lab File: VU044073.D
 Acq: 07 Jun 2021 22:13

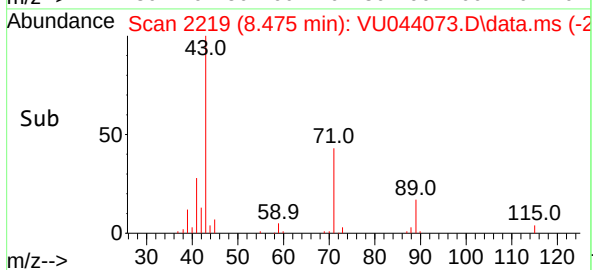
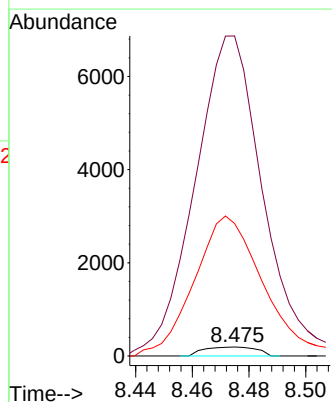
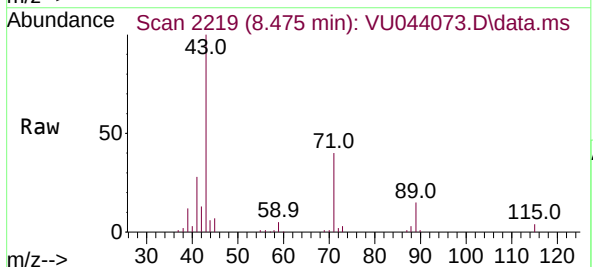
Instrument :
 MSVOA_U
 ClientSampleId :
 18-B12(22-26)

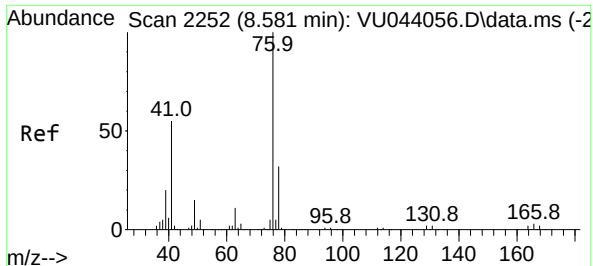
Tgt Ion: 75 Resp: 45716
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 30.5 34.7 52.1#



#56
 Ethyl methacrylate
 Concen: 3.423 ug/l
 RT: 8.475 min Scan# 2219
 Delta R.T. 0.135 min
 Lab File: VU044073.D
 Acq: 07 Jun 2021 22:13

Tgt Ion: 69 Resp: 248
 Ion Ratio Lower Upper
 69 100
 41 4682.3 51.4 77.0#
 39 2065.7 24.9 37.3#



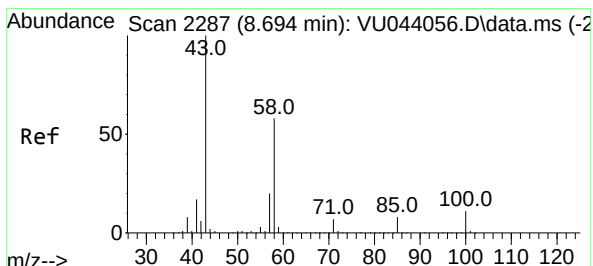
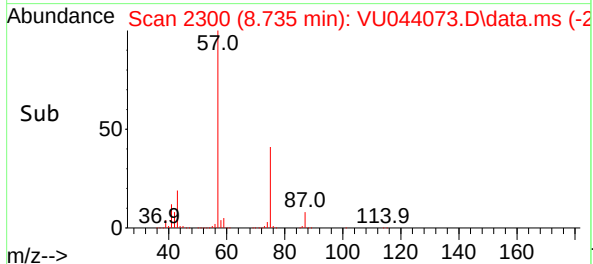
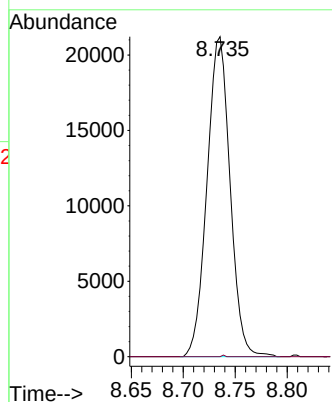
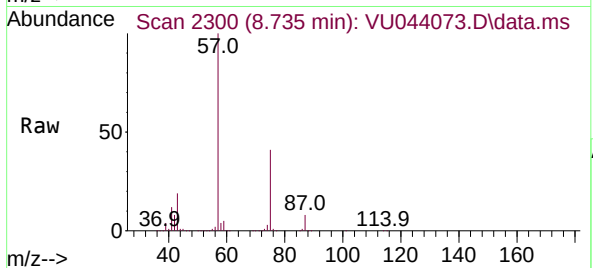


#57

1,3-Dichloropropane
Concen: 5.153 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

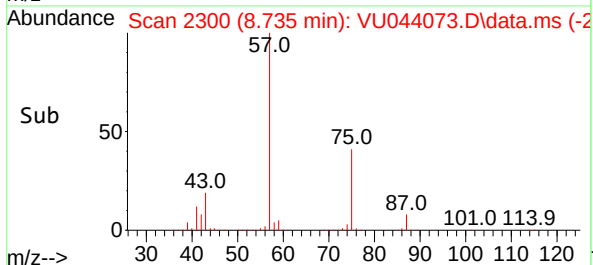
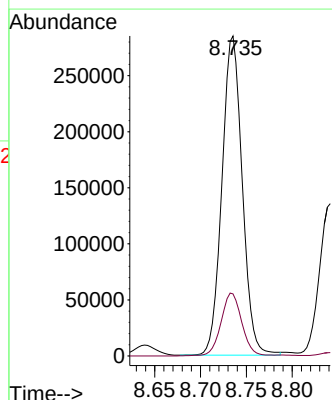
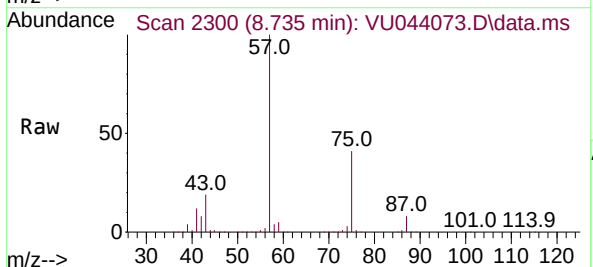
Tgt Ion: 76 Resp: 32695
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

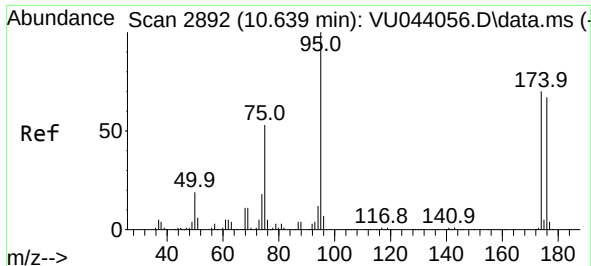


#59

2-Hexanone
Concen: 90.596 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 43 Resp: 438842
Ion Ratio Lower Upper
43 100
58 20.2 29.0 87.1#

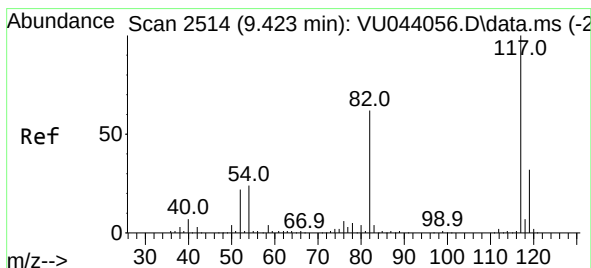
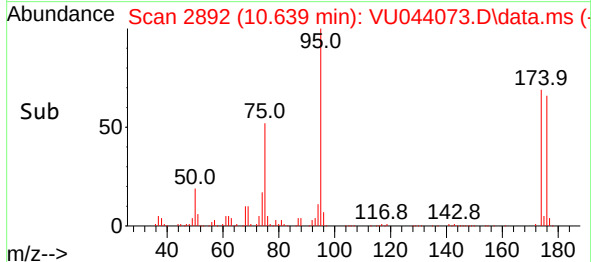
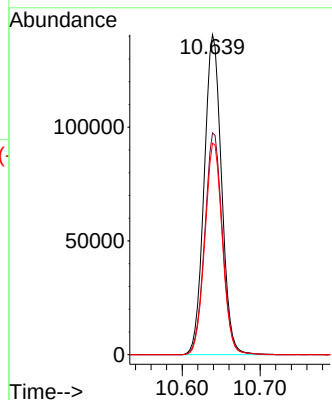
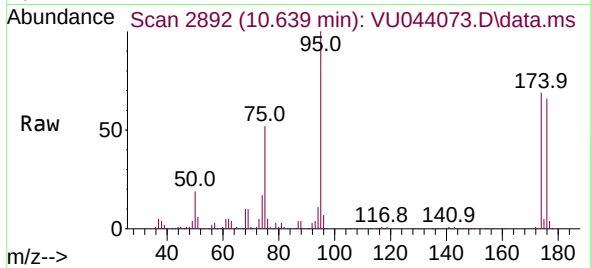




#62
4-Bromofluorobenzene
Concen: 47.827 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

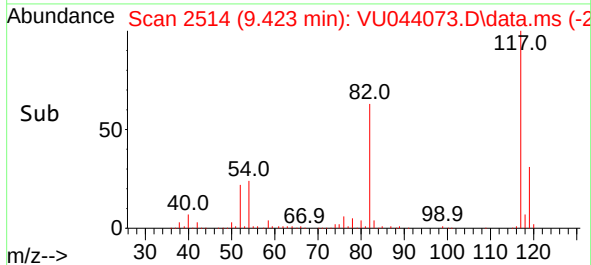
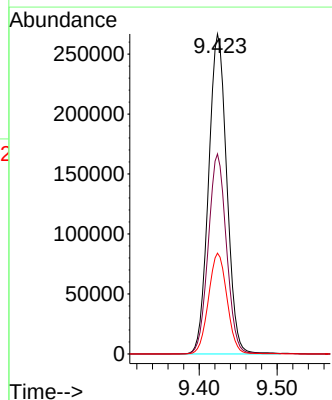
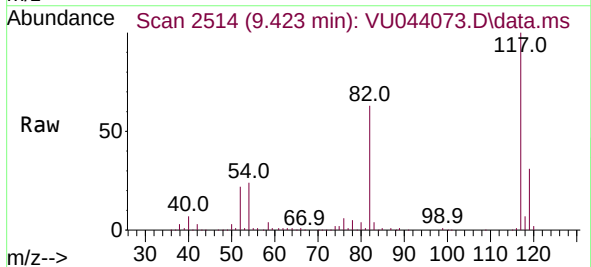
Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)

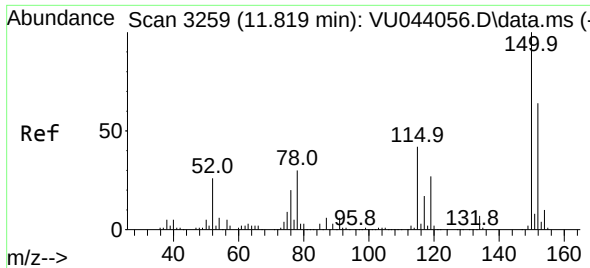
Tgt Ion: 95 Resp: 217991
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.0
176 66.6 0.0 135.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Tgt Ion: 117 Resp: 433167
Ion Ratio Lower Upper
117 100
82 62.5 50.0 75.0
119 31.5 25.9 38.9

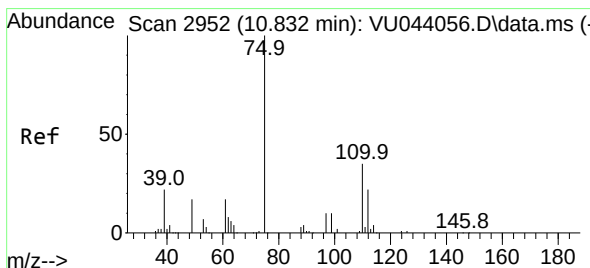
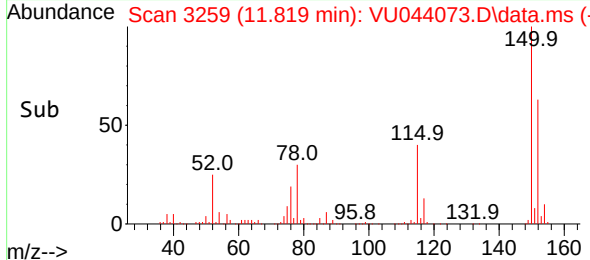
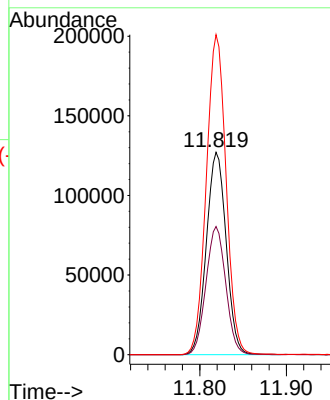
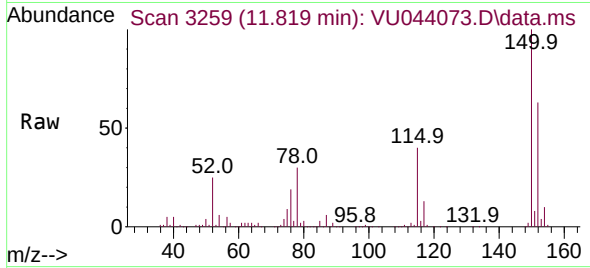




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044073.D
 Acq: 07 Jun 2021 22:13

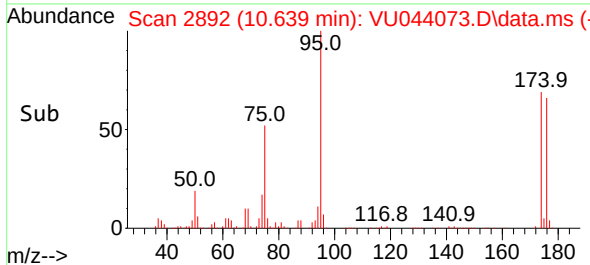
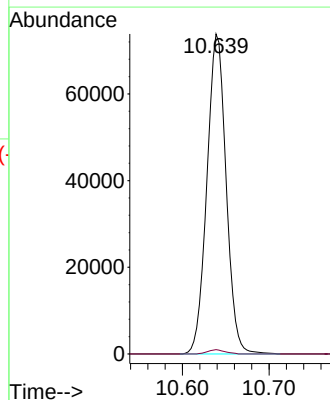
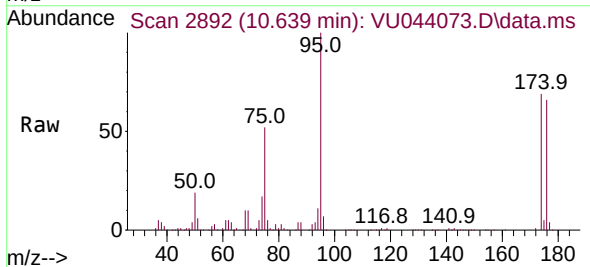
Instrument :
 MSVOA_U
 ClientSampleId :
 18-B12(22-26)

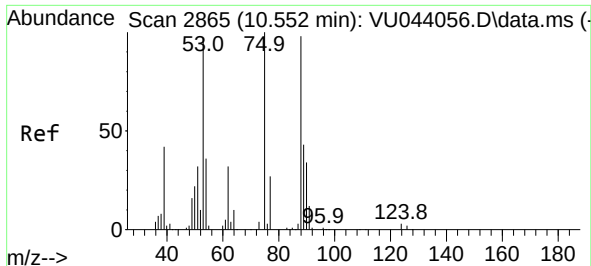
Tgt Ion:152 Resp: 201988
 Ion Ratio Lower Upper
 152 100
 115 63.3 44.6 134.0
 150 157.7 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 20.138 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044073.D
 Acq: 07 Jun 2021 22:13

Tgt Ion: 75 Resp: 113790
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.9 50.6#

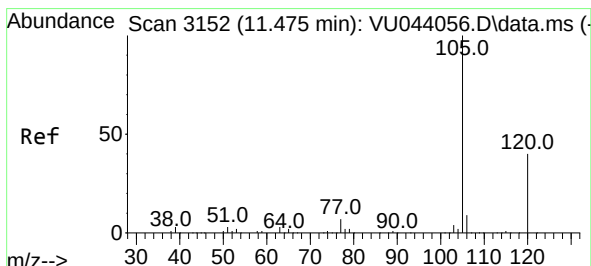
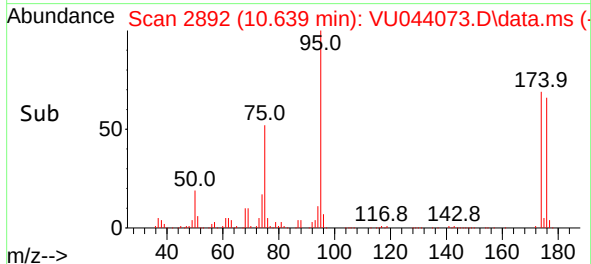
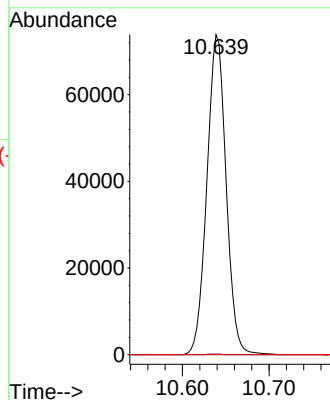
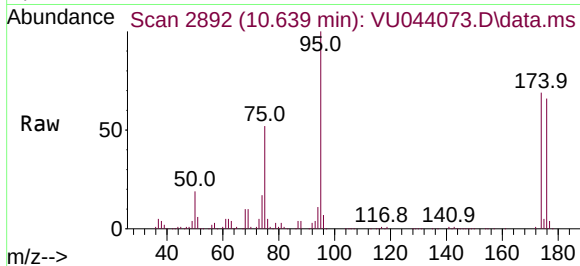




#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.803 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044073.D
 Acq: 07 Jun 2021 22:13

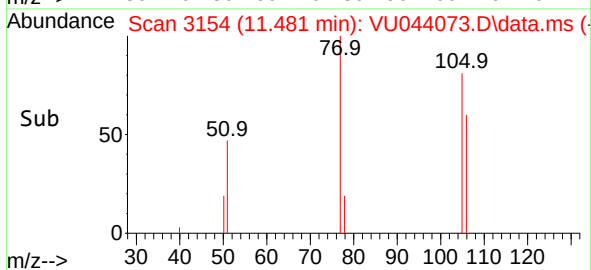
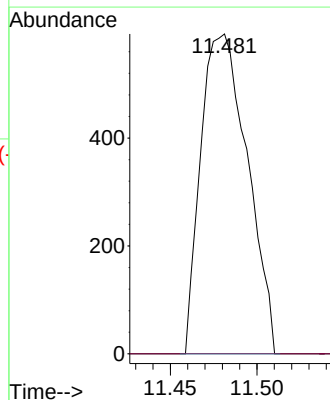
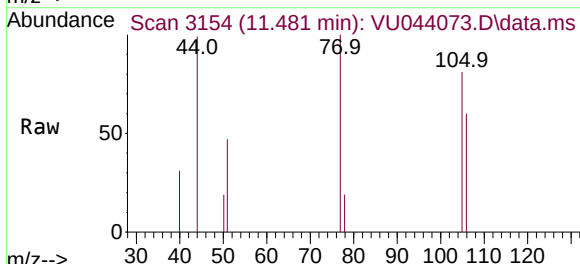
Instrument :
 MSVOA_U
 ClientSampleId :
 18-B12(22-26)

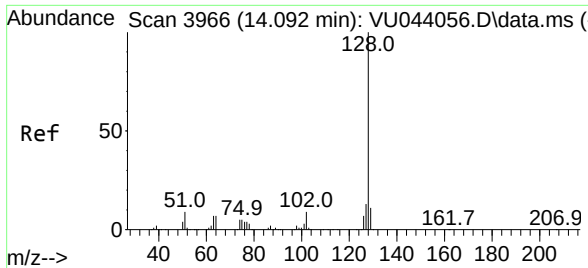
Tgt Ion: 75 Resp: 113790
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.9 115.3#
 89 0.0 33.8 50.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.032 ug/l
 RT: 11.481 min Scan# 3154
 Delta R.T. 0.006 min
 Lab File: VU044073.D
 Acq: 07 Jun 2021 22:13

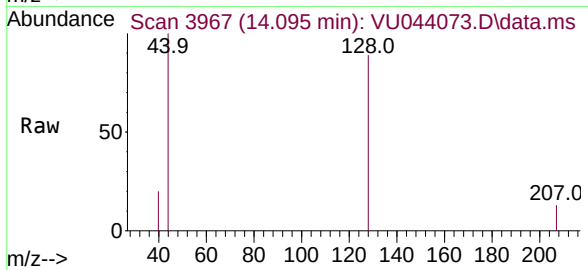
Tgt Ion: 105 Resp: 1109
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.9 65.7#





#95
Naphthalene
Concen: 2.944 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044073.D
Acq: 07 Jun 2021 22:13

Instrument :
MSVOA_U
ClientSampleId :
18-B12(22-26)



Tgt Ion:128 Resp: 1438
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

