

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
 Data File : VU044071.D
 Acq On : 07 Jun 2021 21:26
 Operator : SY/MD
 Sample : M2612-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 18-B12(14-18)

Quant Time: Jun 08 05:46:18 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)

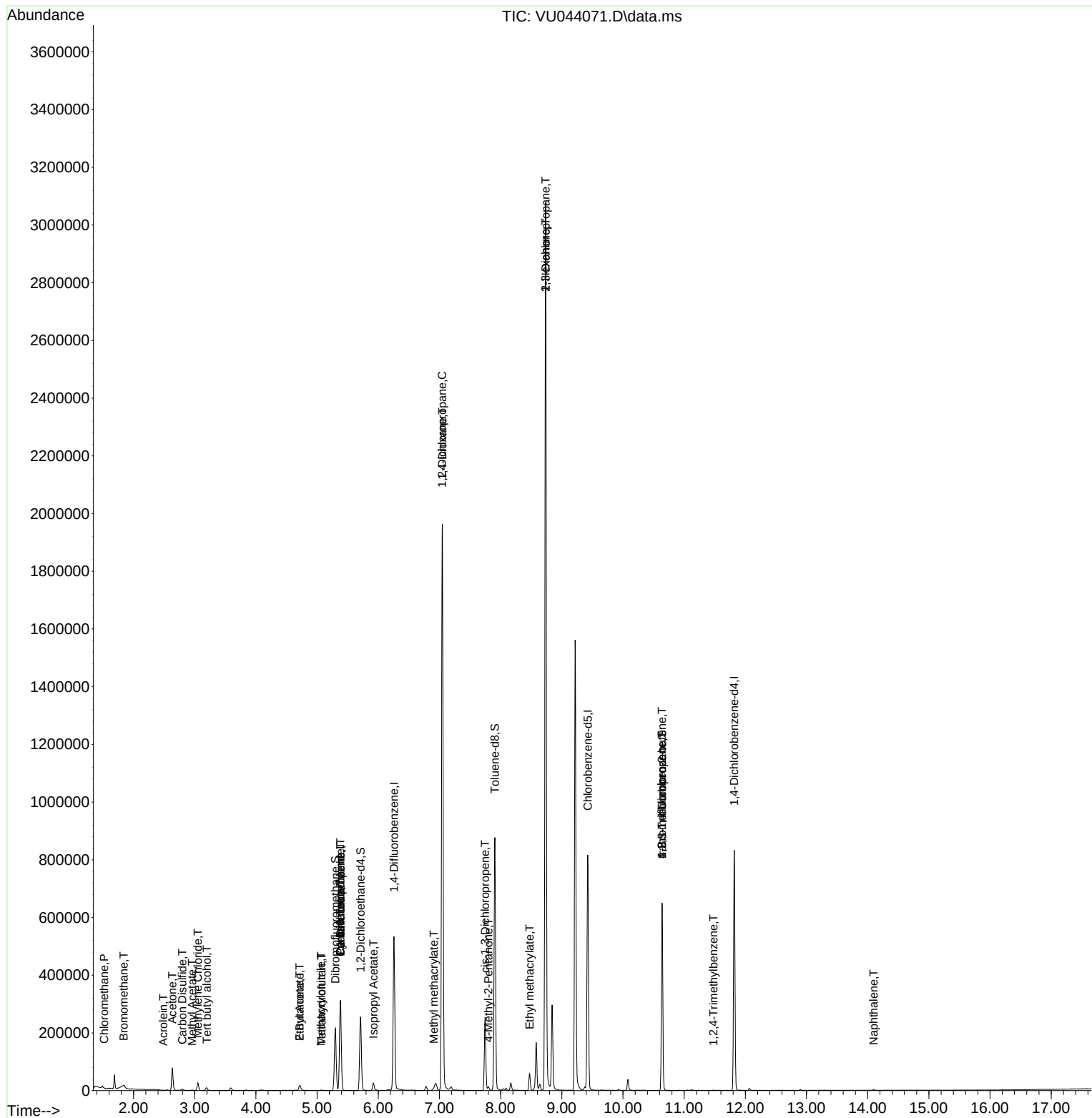
Internal Standards						
1) Pentafluorobenzene	5.382	168	197403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.257	114	399050	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	427076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	203820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	185124	53.848	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.700%	
35) Dibromofluoromethane	5.298	113	137895	48.423	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.840%	
50) Toluene-d8	7.906	98	553887	50.426	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.860%	
62) 4-Bromofluorobenzene	10.639	95	216606	49.808	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.620%	
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1286	0.315	ug/l #	80
5) Bromomethane	1.839	94	565	0.373	ug/l #	76
11) Tert butyl alcohol	3.199	59	6792	7.969	ug/l #	72
13) Acrolein	2.488	56	587	0.876	ug/l #	68
16) Acetone	2.633	43	83352	42.008	ug/l	98
17) Carbon Disulfide	2.797	76	1810	0.224	ug/l	98
18) Methyl Acetate	2.958	43	2642	0.604	ug/l #	85
20) Methylene Chloride	3.051	84	11990	2.412	ug/l	94
25) 2-Butanone	4.713	43	28525	10.076	ug/l	99
29) Tetrahydrofuran	5.073	42	1202	0.765	ug/l #	40
31) Cyclohexane	5.379	56	5008	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	19103	4.249	ug/l #	51
37) Ethyl Acetate	4.713	43	28525	5.037	ug/l #	68
38) Carbon Tetrachloride	5.379	117	22462	5.530	ug/l #	18
41) Methacrylonitrile	5.067	41	635	0.213	ug/l #	40
43) Isopropyl Acetate	5.922	43	27998	3.496	ug/l	99
45) 1,2-Dichloropropane	7.044	63	2286	0.618	ug/l #	42
48) Methyl methacrylate	6.906	41	10623	2.690	ug/l #	14
49) 1,4-Dioxane	7.047	88	181	1.864	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	7113	1.196	ug/l	98
54) cis-1,3-Dichloropropene	7.745	75	44334	8.064	ug/l #	66
56) Ethyl methacrylate	8.475	69	304	3.433	ug/l #	1
57) 1,3-Dichloropropane	8.736	76	30182	4.985	ug/l #	42
59) 2-Hexanone	8.736	43	412064	89.157	ug/l #	50
76) 1,2,3-Trichloropropane	10.639	75	113888	19.974	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.639	75	113888	58.325	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.478	105	547	0.990	ug/l #	32
95) Naphthalene	14.095	128	2995	3.049	ug/l #	92

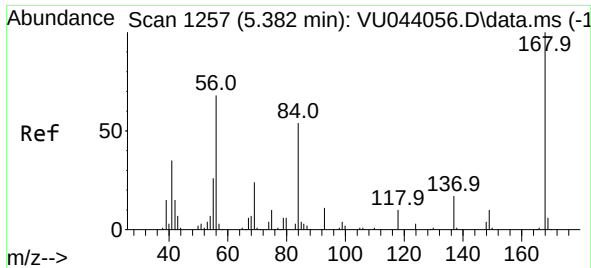
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060721\
Data File : VU044071.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060721W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 08 05:21:34 2021
Response via : Initial Calibration

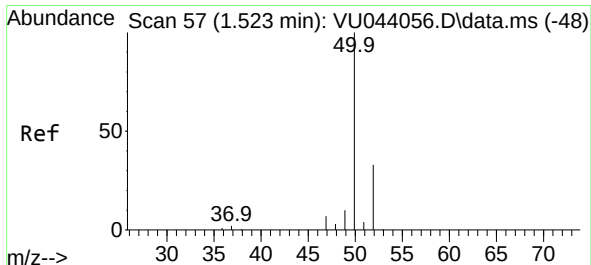
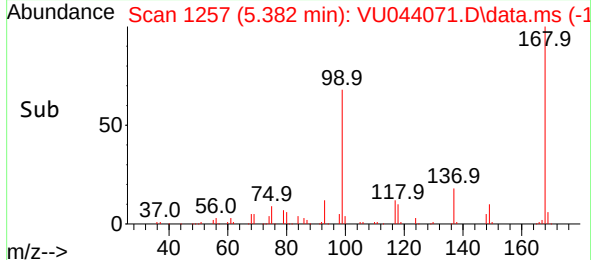
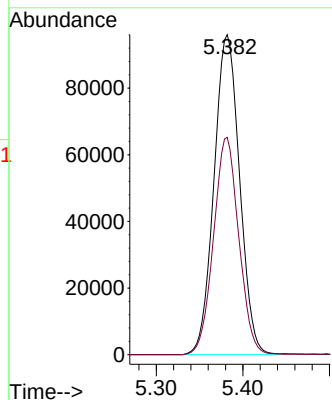
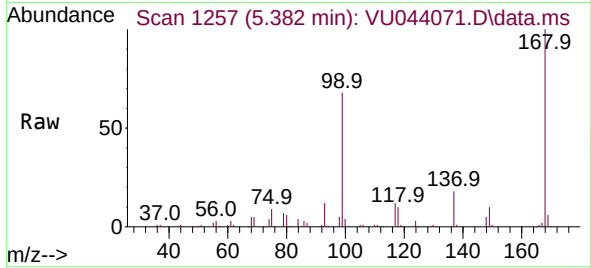




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

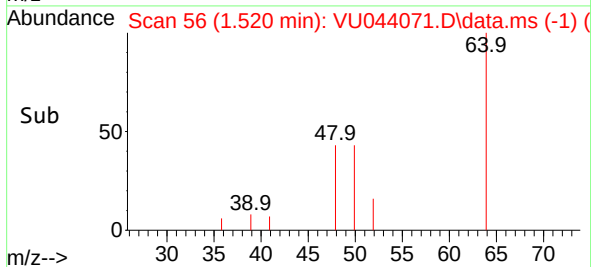
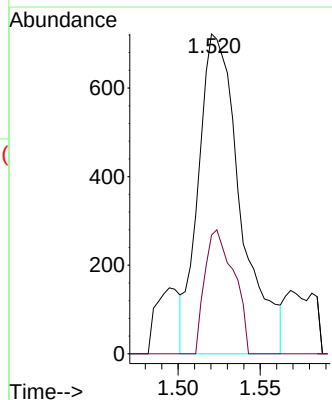
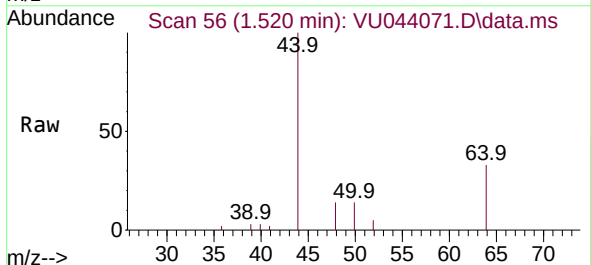
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

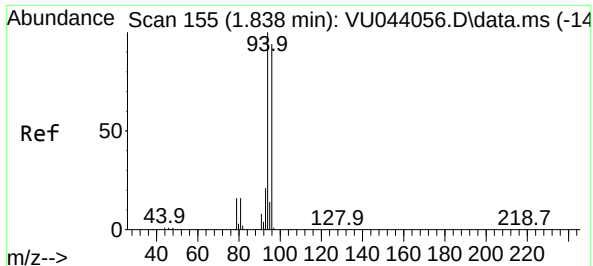
Tgt Ion:168 Resp: 197403
Ion Ratio Lower Upper
168 100
99 67.9 52.6 78.8



#3
Chloromethane
Concen: 0.315 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 50 Resp: 1286
Ion Ratio Lower Upper
50 100
52 43.8 26.2 39.2#

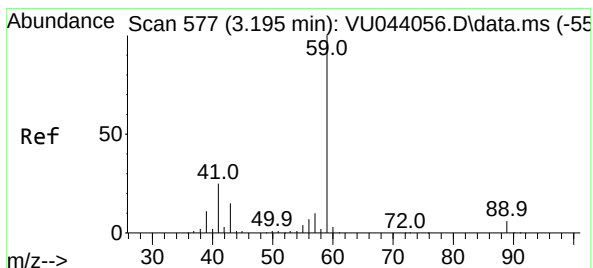
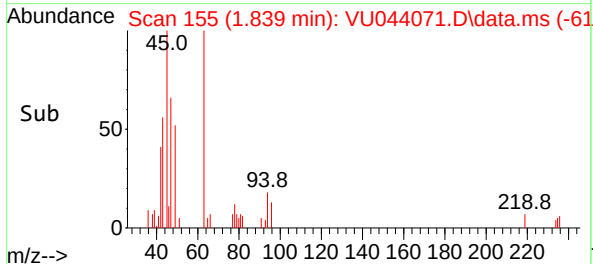
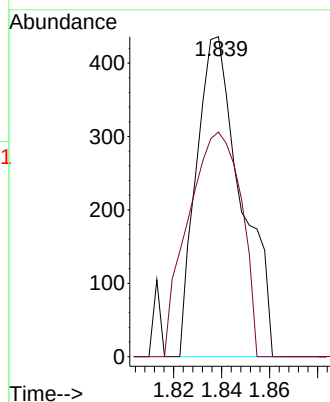
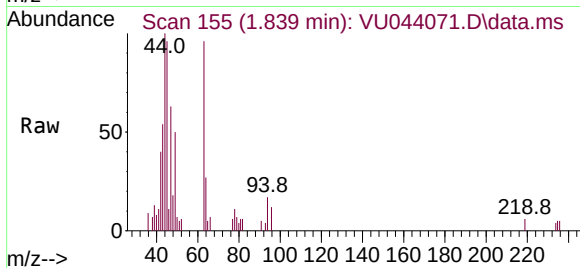




#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.839 min Scan# 155
Delta R.T. 0.001 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

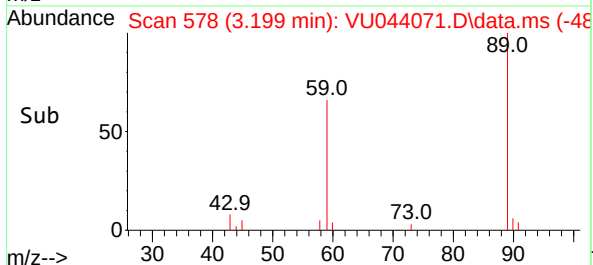
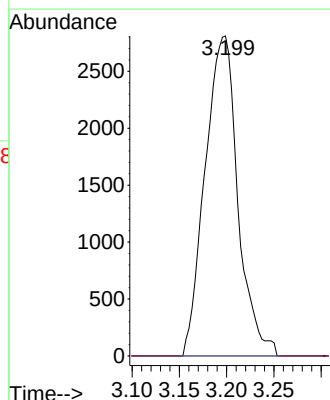
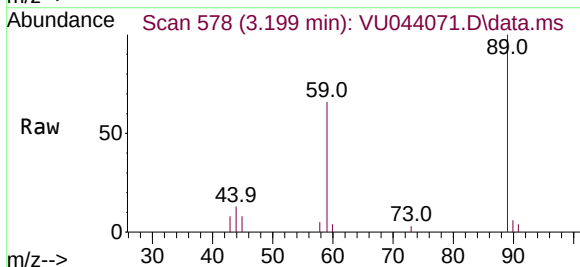
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

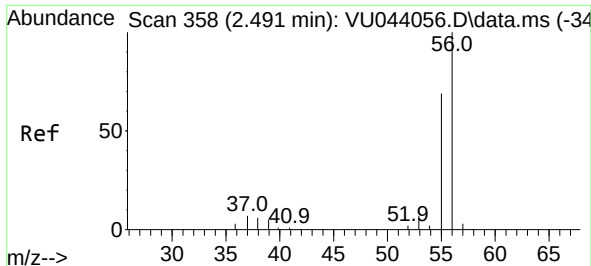
Tgt Ion: 94 Resp: 565
Ion Ratio Lower Upper
94 100
96 70.2 74.8 112.2#



#11
Tert butyl alcohol
Concen: 7.969 ug/l
RT: 3.199 min Scan# 578
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 59 Resp: 6792
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

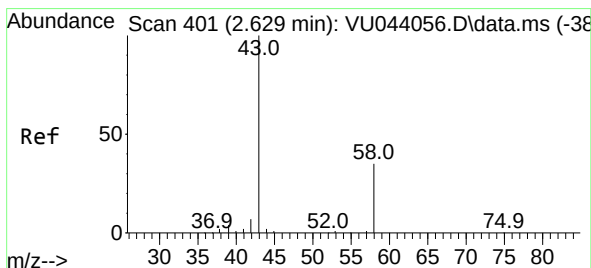
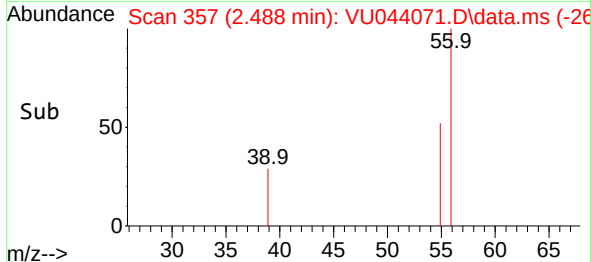
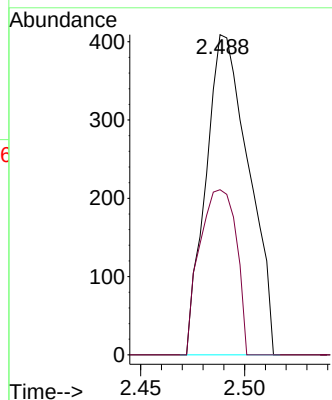
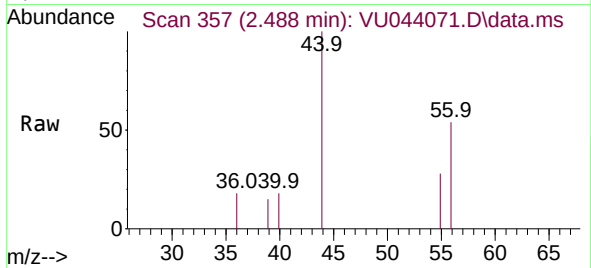




#13
Acrolein
Concen: 0.876 ug/l
RT: 2.488 min Scan# 357
Delta R.T. -0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

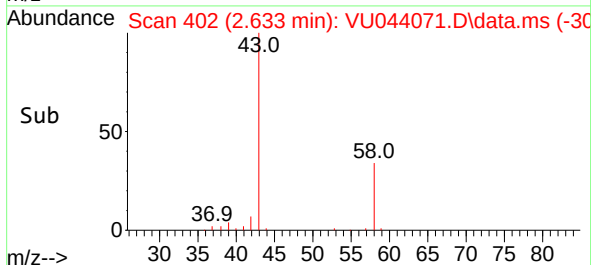
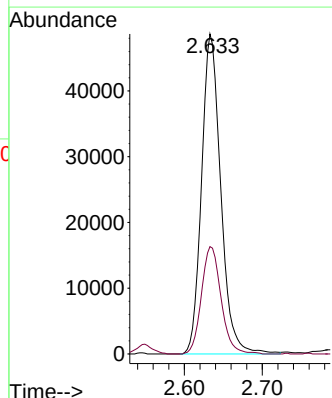
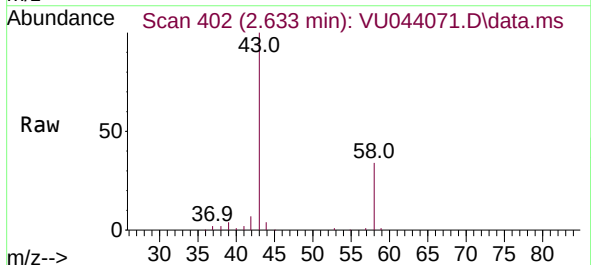
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

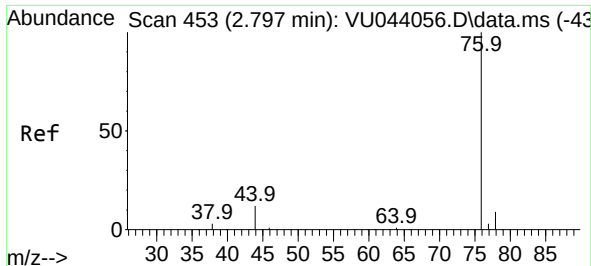
Tgt Ion: 56 Resp: 587
Ion Ratio Lower Upper
56 100
55 44.0 56.1 84.1#



#16
Acetone
Concen: 42.008 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 43 Resp: 83352
Ion Ratio Lower Upper
43 100
58 33.6 27.7 41.5

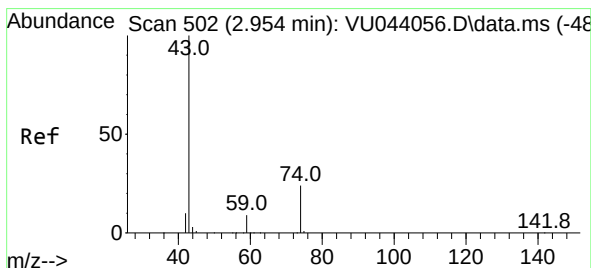
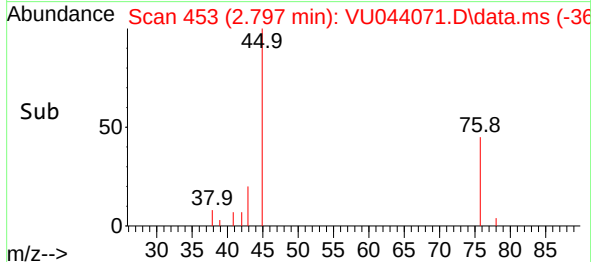
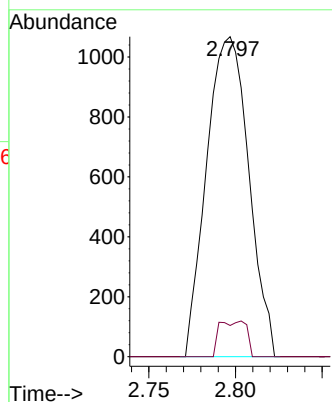
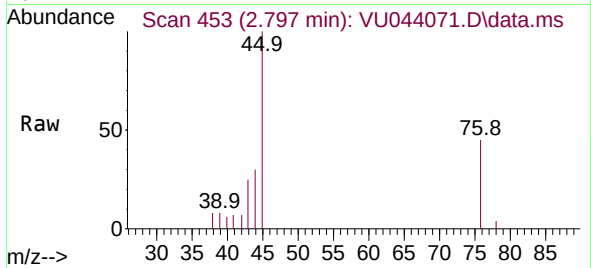




#17
Carbon Disulfide
Concen: 0.224 ug/l
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

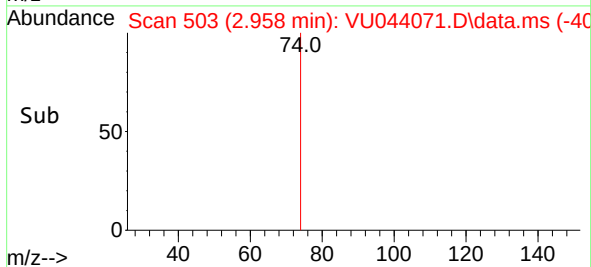
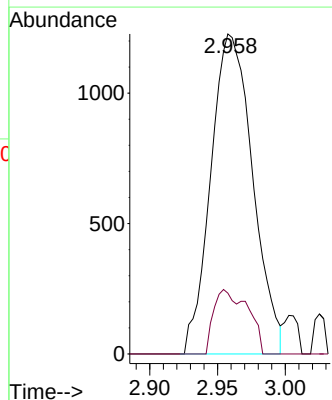
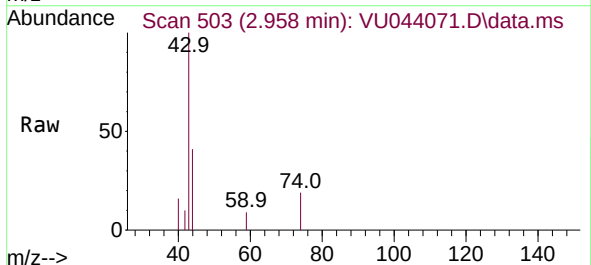
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

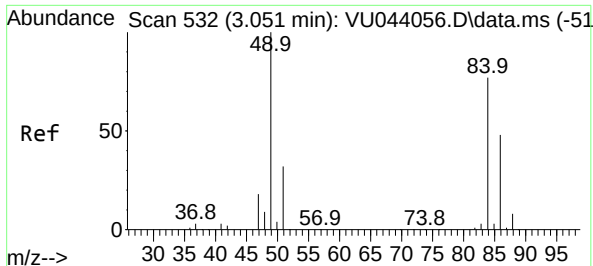
Tgt Ion: 76 Resp: 1810
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 0.604 ug/l
RT: 2.958 min Scan# 503
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

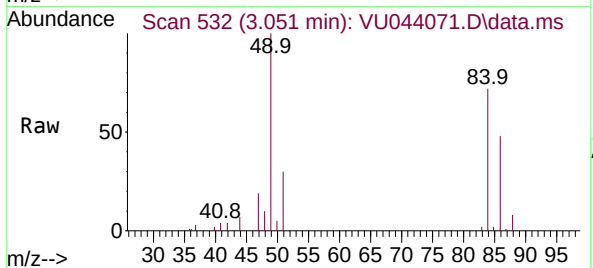
Tgt Ion: 43 Resp: 2642
Ion Ratio Lower Upper
43 100
74 16.2 18.7 28.1#



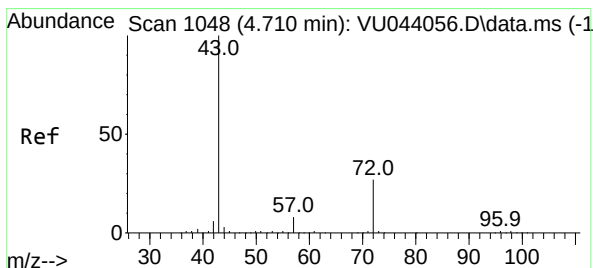
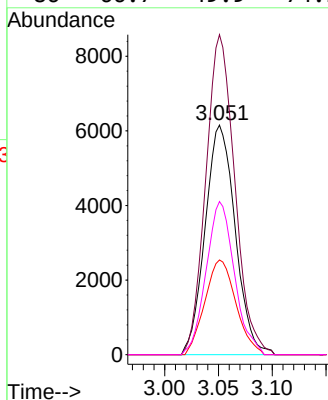
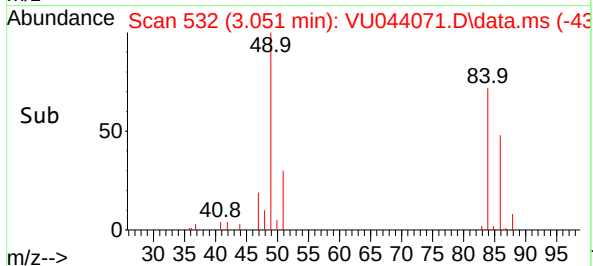


#20
Methylene Chloride
Concen: 2.412 ug/l
RT: 3.051 min Scan# 532
Delta R.T. -0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

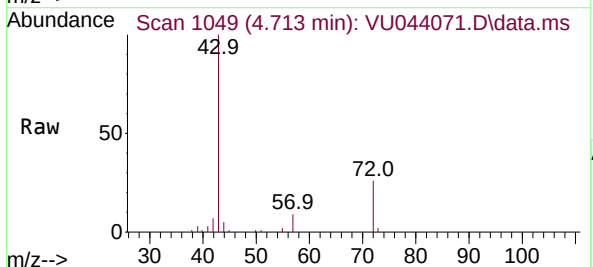
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)



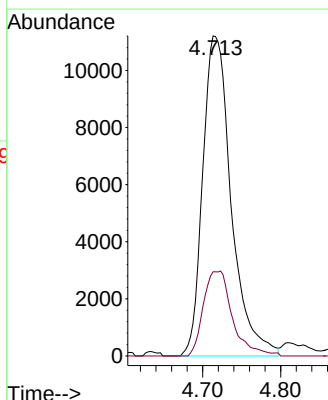
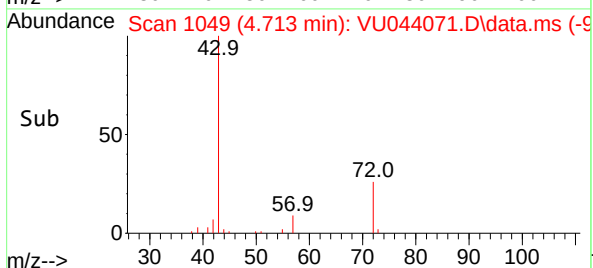
Tgt Ion:	84	Resp:	11990
Ion	Ratio	Lower	Upper
84	100		
49	139.3	103.6	155.4
51	41.3	32.8	49.2
86	66.7	49.9	74.9

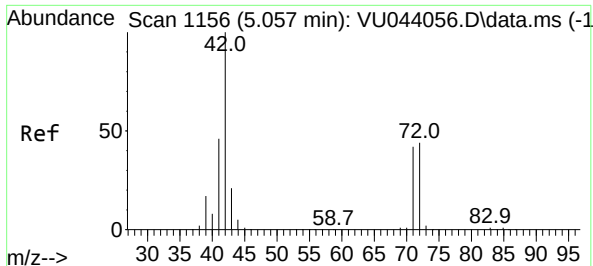


#25
2-Butanone
Concen: 10.076 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26



Tgt Ion:	43	Resp:	28525
Ion	Ratio	Lower	Upper
43	100		
72	26.3	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.765 ug/l

RT: 5.073 min Scan# 1161

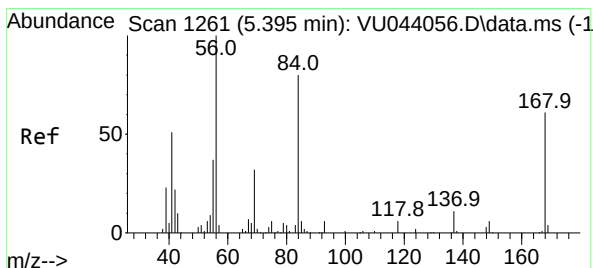
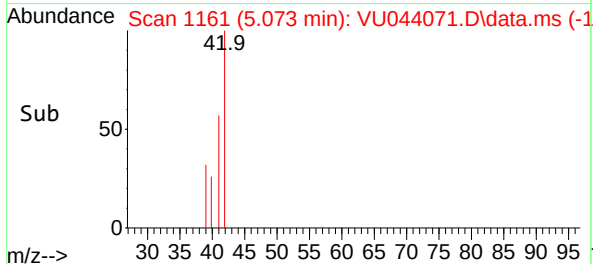
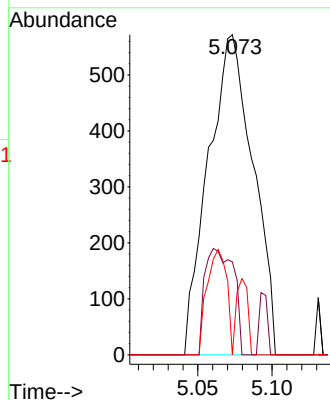
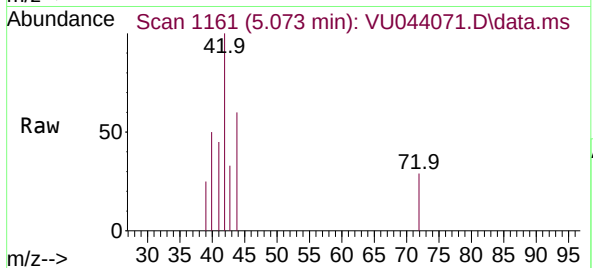
Delta R.T. 0.016 min

Lab File: VU044071.D

Acq: 07 Jun 2021 21:26

Tgt Ion:	42	Resp:	1202
Ion	Ratio	Lower	Upper
42	100		
72	3.5	35.6	53.4#
71	5.9	33.3	49.9#

Instrument :
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#31

Cyclohexane

Concen: 1.055 ug/l

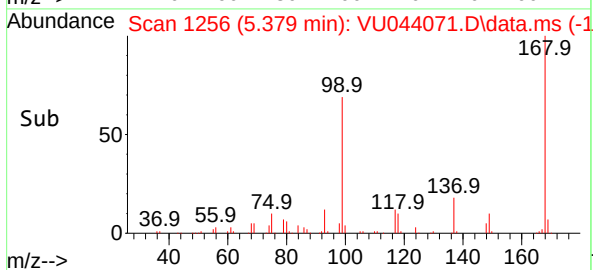
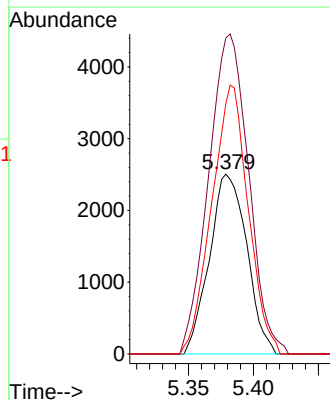
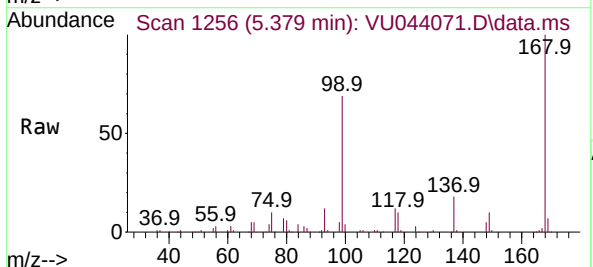
RT: 5.379 min Scan# 1256

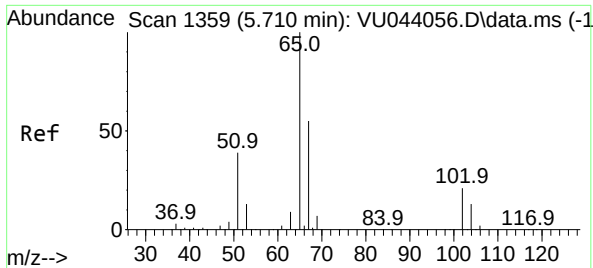
Delta R.T. -0.016 min

Lab File: VU044071.D

Acq: 07 Jun 2021 21:26

Tgt Ion:	56	Resp:	5008
Ion	Ratio	Lower	Upper
56	100		
69	175.7	25.4	38.2#
84	139.1	64.2	96.2#



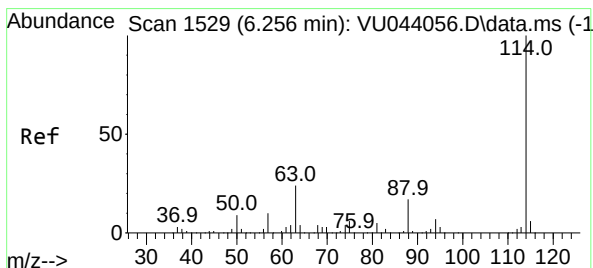
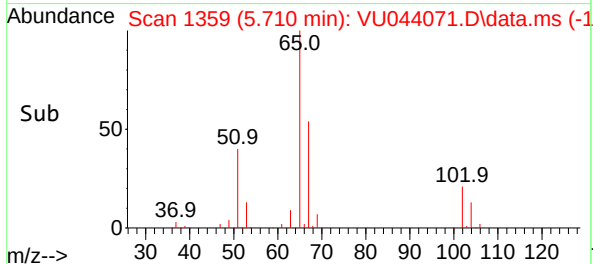
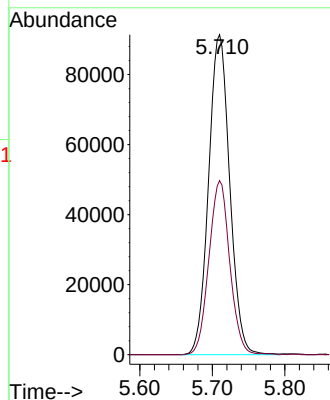
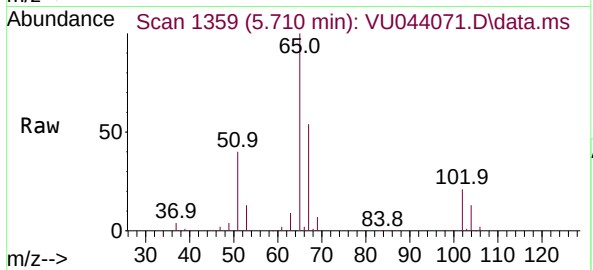


#33

1,2-Dichloroethane-d4
Concen: 53.848 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

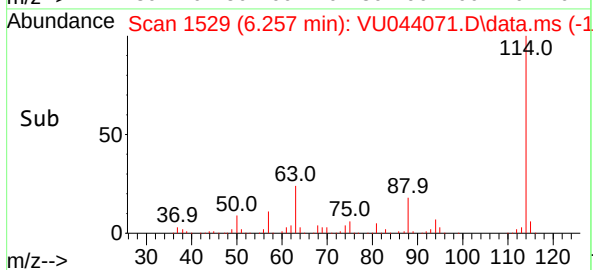
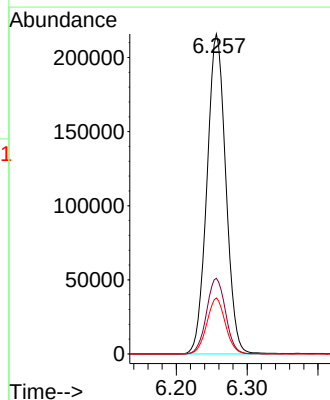
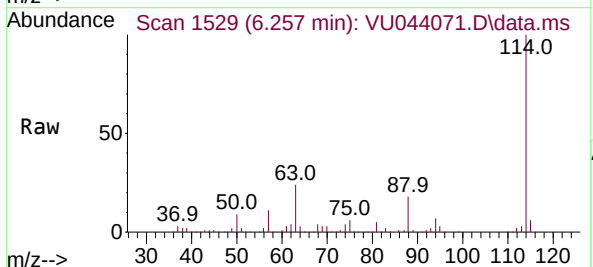
Tgt Ion: 65 Resp: 185124
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2

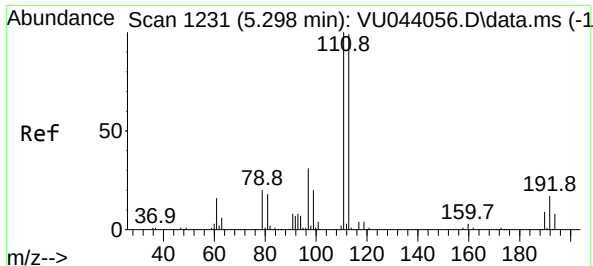


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.257 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 114 Resp: 399050
Ion Ratio Lower Upper
114 100
63 23.6 0.0 48.4
88 17.5 0.0 34.4

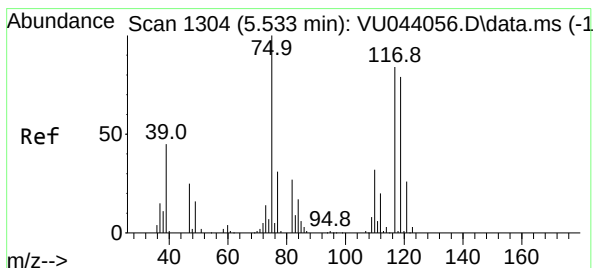
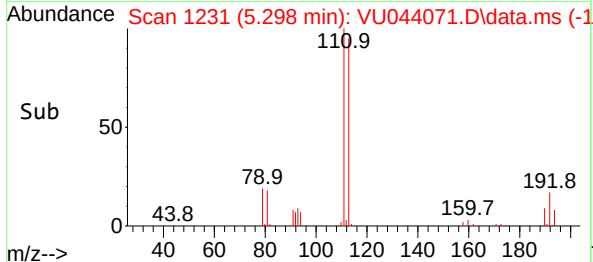
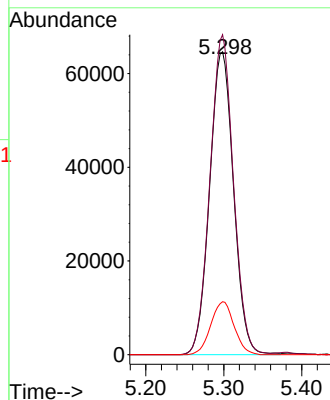
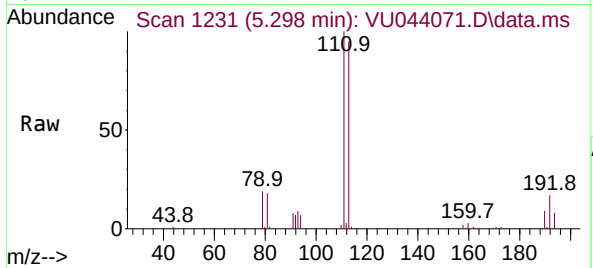




#35
Dibromofluoromethane
Concen: 48.423 ug/l
RT: 5.298 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

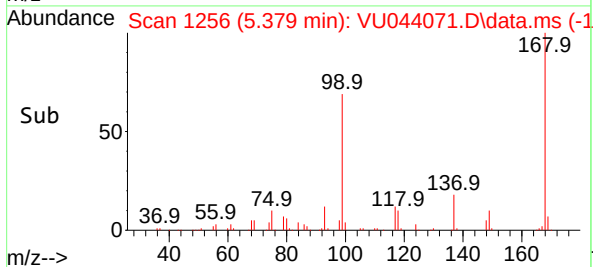
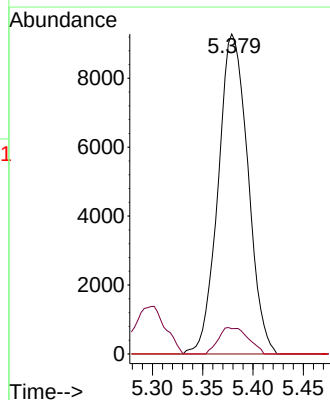
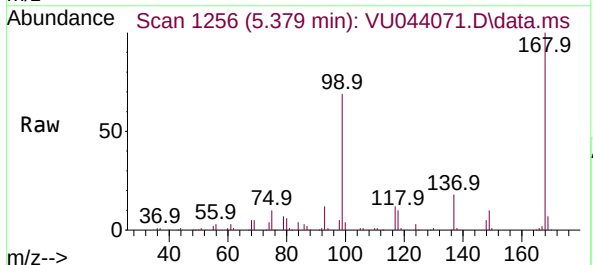
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

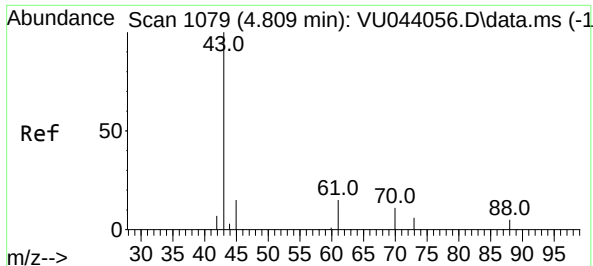
Tgt Ion:	113	Resp:	137895
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	17.1	13.8	20.8



#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

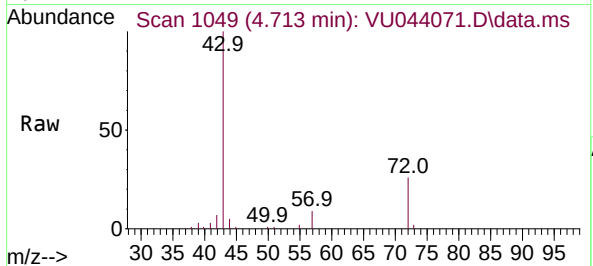
Tgt Ion:	75	Resp:	19103
Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.9	47.7#
77	0.0	25.0	37.4#



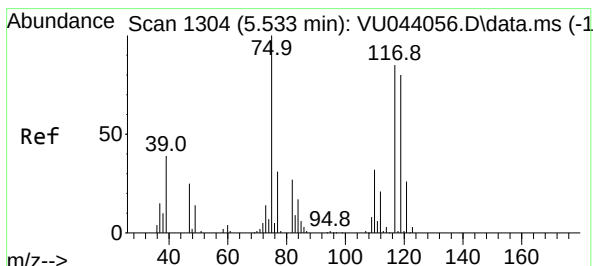
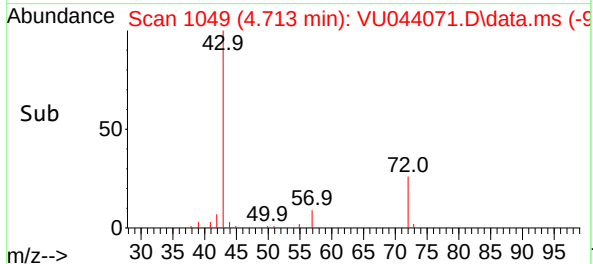
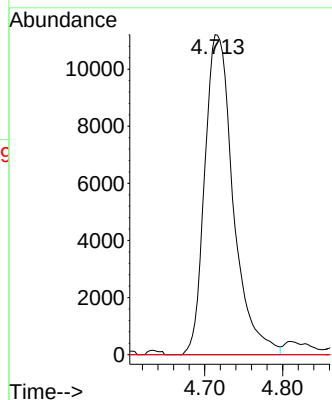


#37
Ethyl Acetate
Concen: 5.037 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. -0.096 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

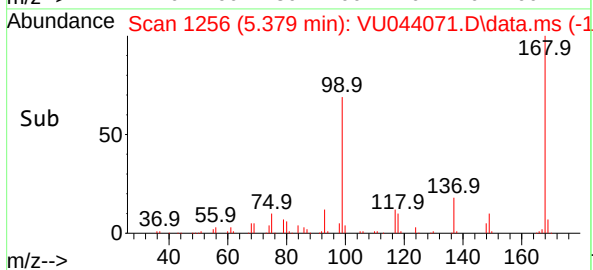
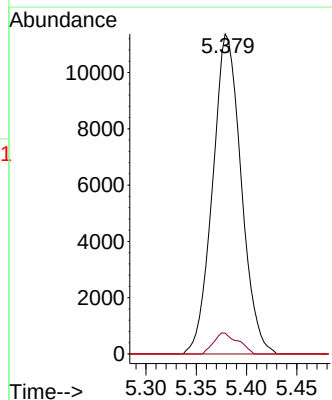
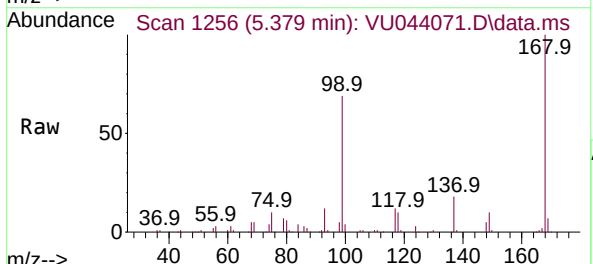


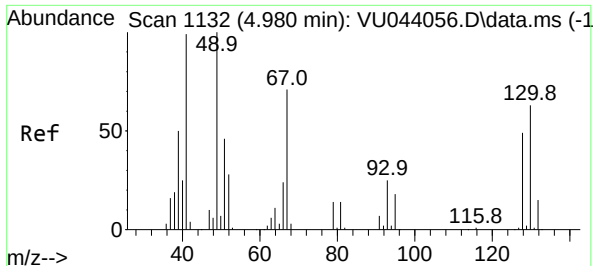
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	0.0	8.6	12.8#



#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.154 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.4	113.2#
121	0.0	24.5	36.7#

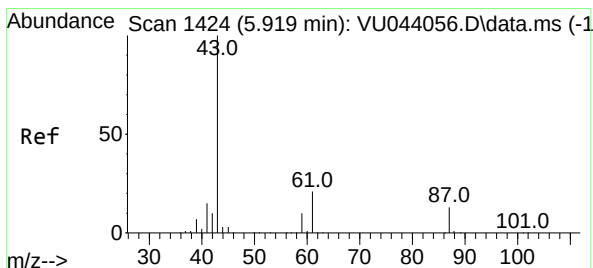
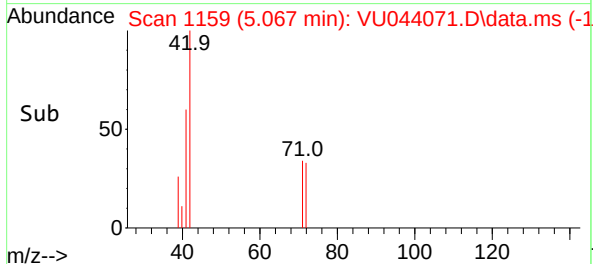
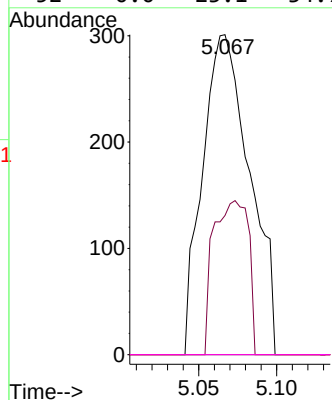
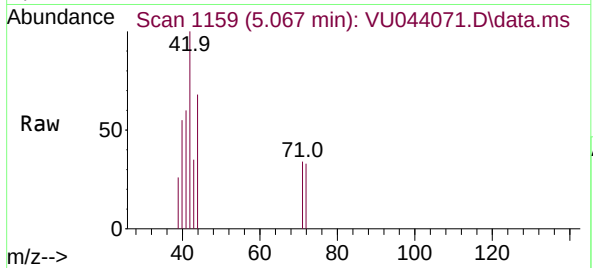




#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.087 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

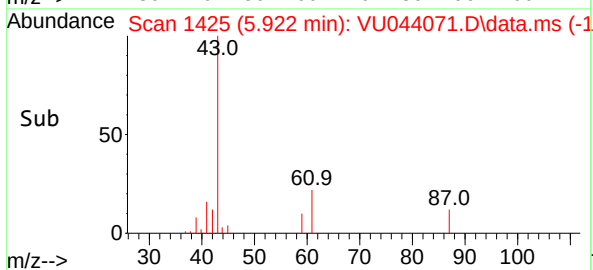
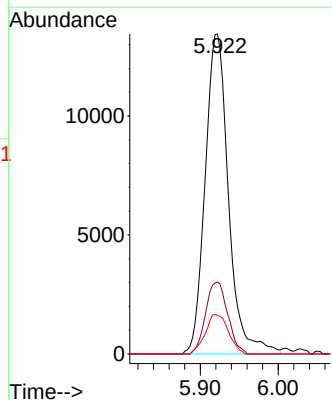
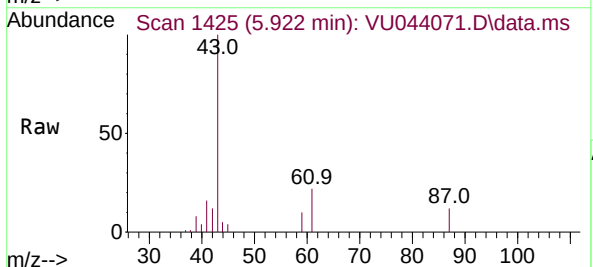
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

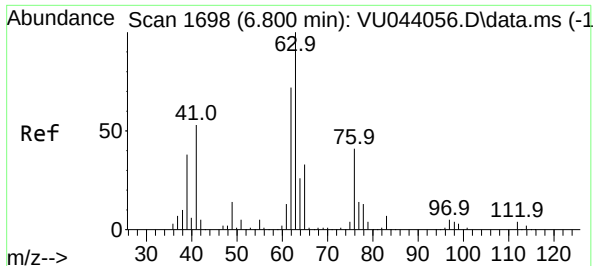
Tgt Ion: 41	Resp:	635
Ion	Ratio	Lower Upper
41	100	
39	35.4	41.4 62.2#
67	0.0	59.4 89.2#
52	0.0	23.1 34.7#



#43
Isopropyl Acetate
Concen: 3.496 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 43	Resp:	27998
Ion	Ratio	Lower Upper
43	100	
61	21.2	16.8 25.2
87	12.1	10.2 15.2



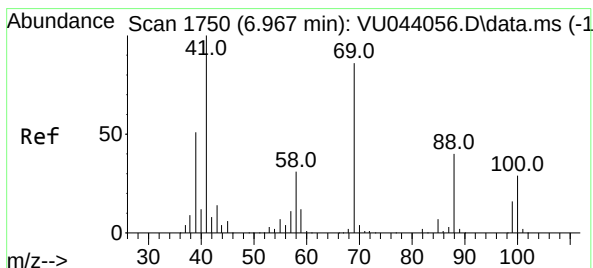
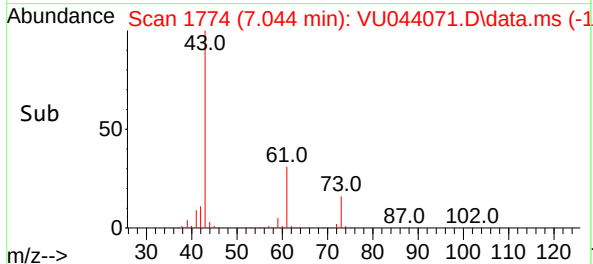
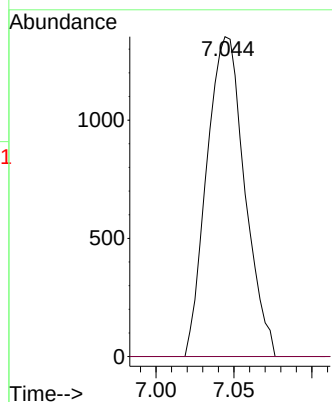
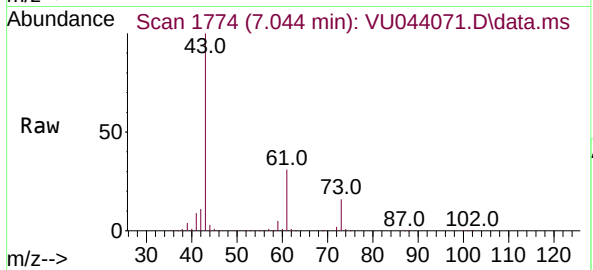


#45

1,2-Dichloropropane
Concen: 0.618 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.245 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

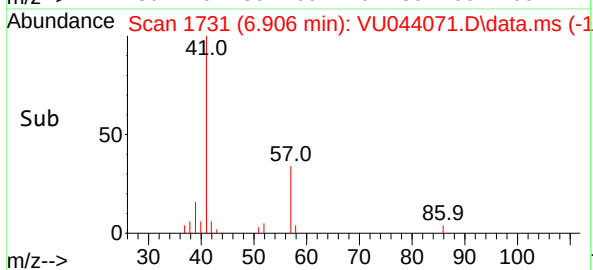
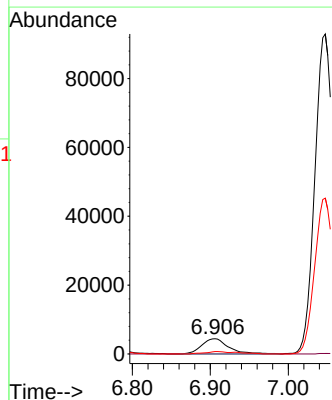
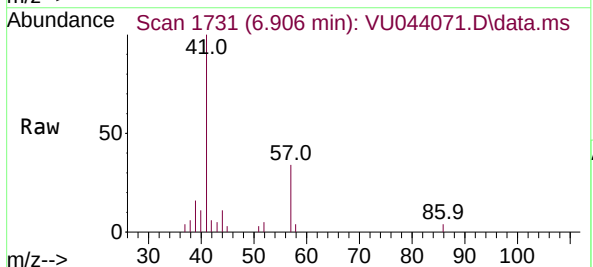
Tgt Ion: 63 Resp: 2286
Ion Ratio Lower Upper
63 100
65 0.0 26.3 39.5#

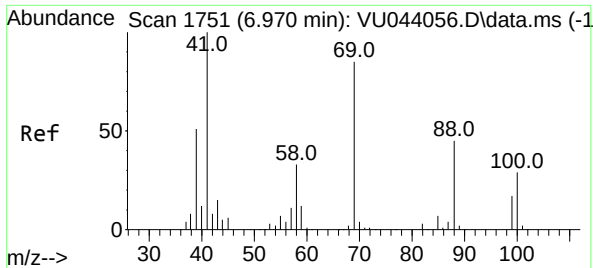


#48

Methyl methacrylate
Concen: 2.690 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 41 Resp: 10623
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: 1.864 ug/l

RT: 7.047 min Scan# 1775

Delta R.T. 0.077 min

Lab File: VU044071.D

Acq: 07 Jun 2021 21:26

Tgt Ion: 88 Resp: 181

Ion Ratio Lower Upper

88 100

43 991249.2 25.0 37.4#

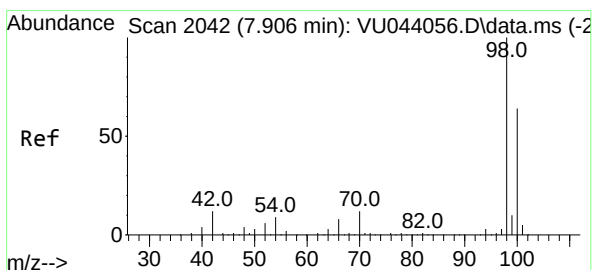
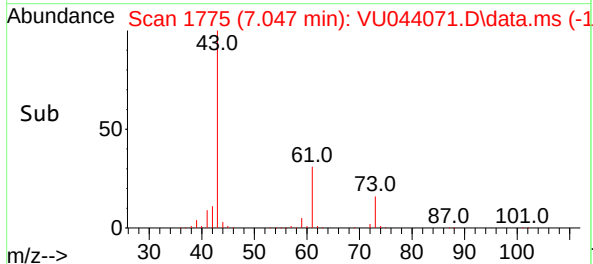
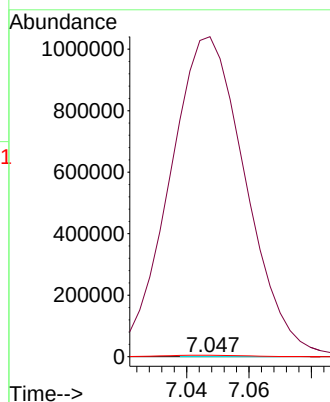
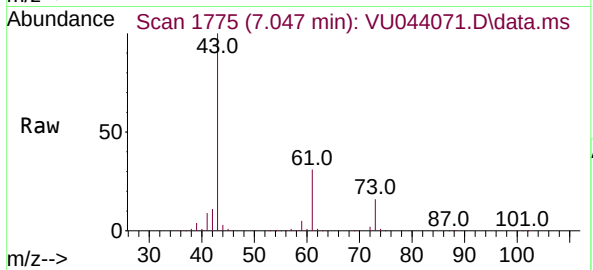
58 4893.9 60.0 90.0#

Instrument :

MSVOA_U

ClientSampleId :

18-B12(14-18)



#50

Toluene-d8

Concen: 50.426 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU044071.D

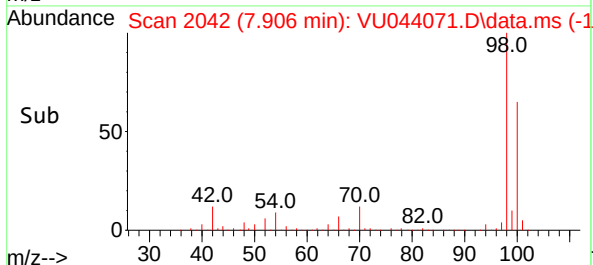
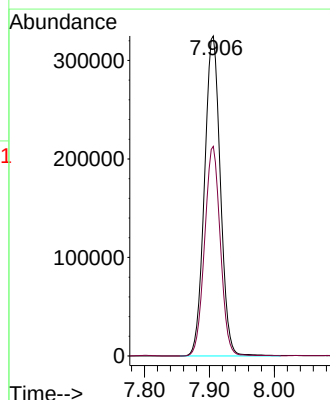
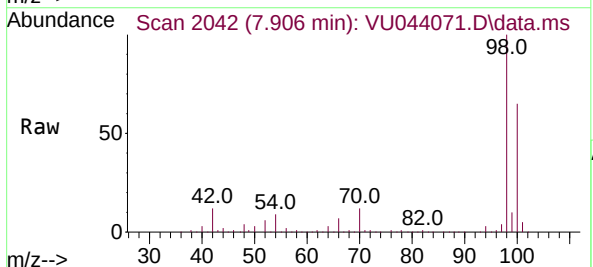
Acq: 07 Jun 2021 21:26

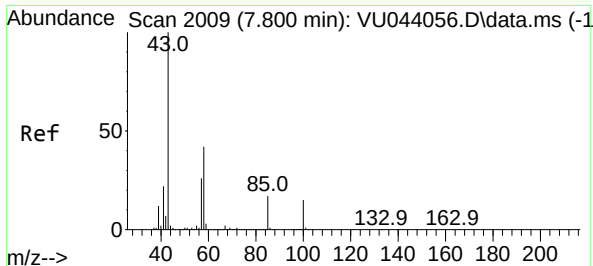
Tgt Ion: 98 Resp: 553887

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4

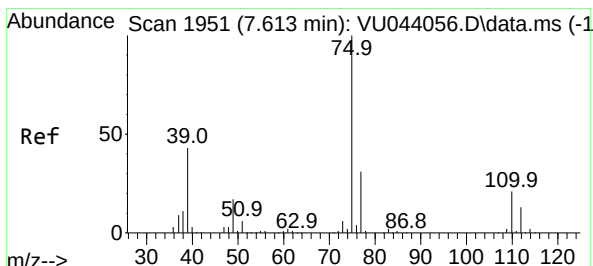
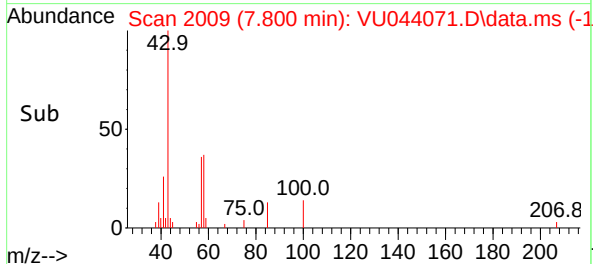
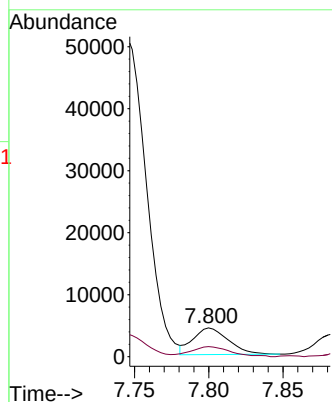
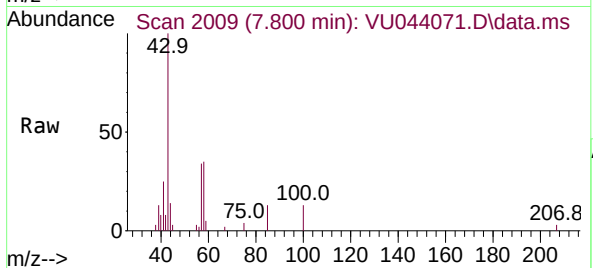




#51
4-Methyl-2-Pentanone
Concen: 1.196 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

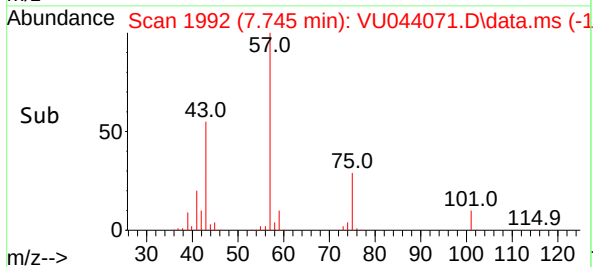
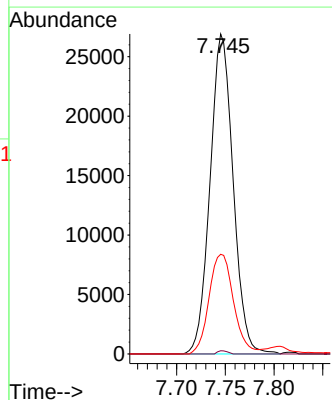
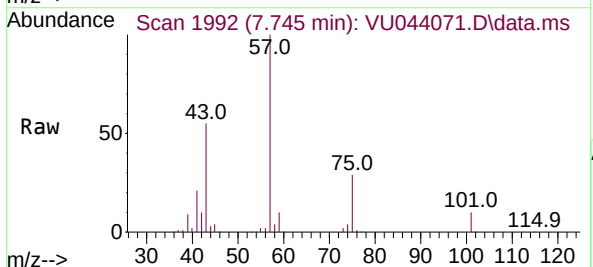
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

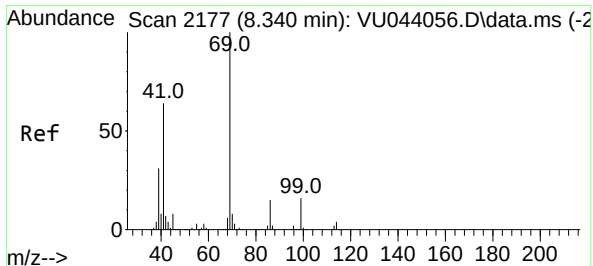
Tgt Ion: 43 Resp: 7113
Ion Ratio Lower Upper
43 100
58 42.8 33.3 49.9



#54
cis-1,3-Dichloropropene
Concen: 8.064 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 75 Resp: 44334
Ion Ratio Lower Upper
75 100
77 1.0 25.0 37.4#
39 31.2 34.7 52.1#

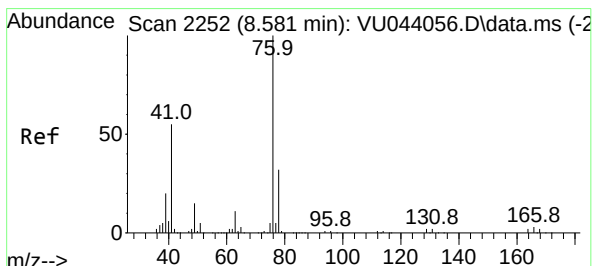
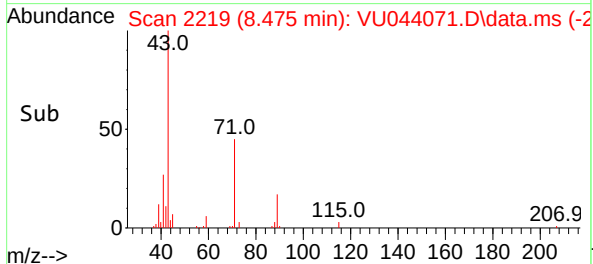
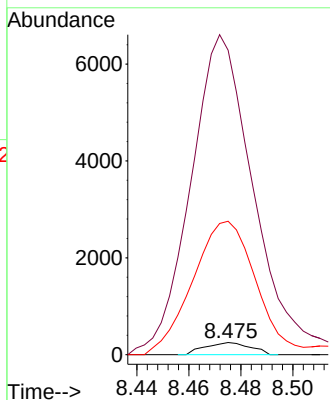
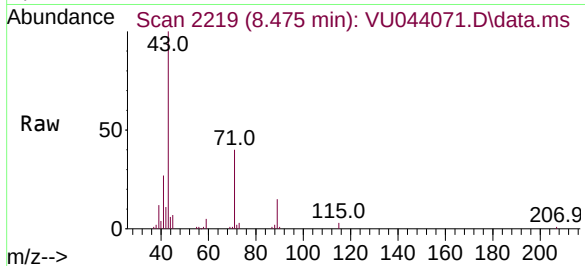




#56
Ethyl methacrylate
Concen: 3.433 ug/l
RT: 8.475 min Scan# 2219
Delta R.T. 0.135 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

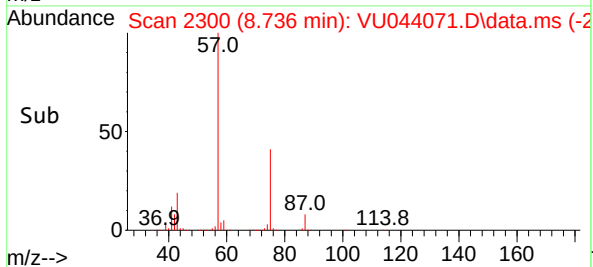
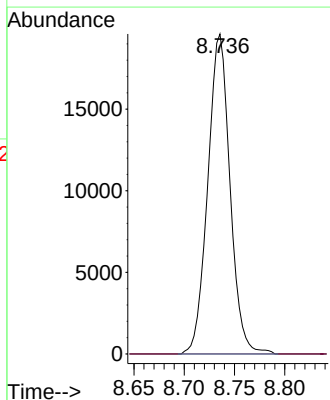
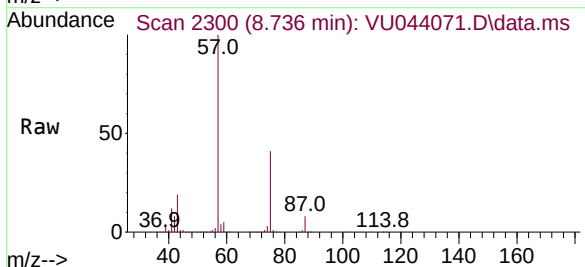
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

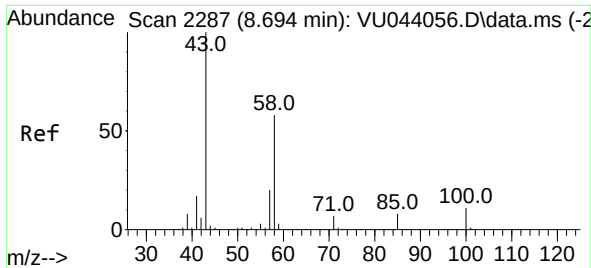
Tgt Ion: 69 Resp: 304
Ion Ratio Lower Upper
69 100
41 3716.8 51.4 77.0#
39 1529.9 24.9 37.3#



#57
1,3-Dichloropropane
Concen: 4.985 ug/l
RT: 8.736 min Scan# 2300
Delta R.T. 0.155 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 76 Resp: 30182
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

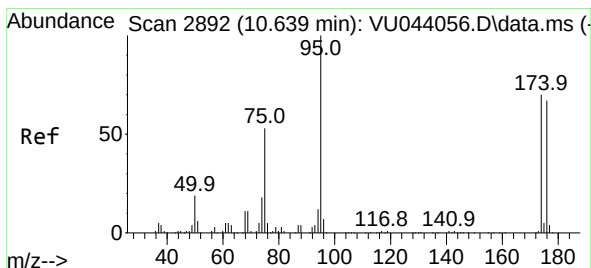
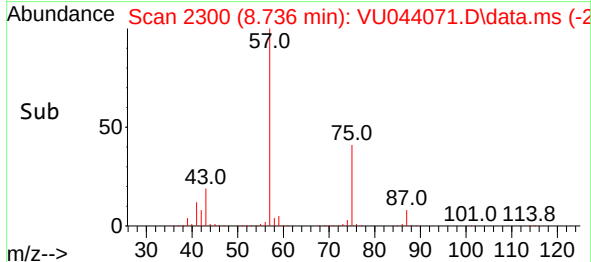
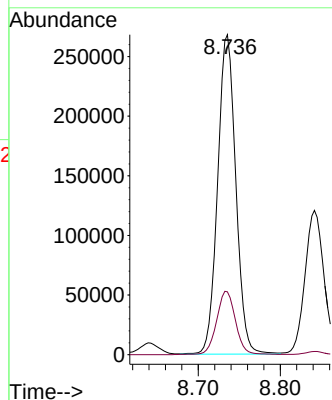
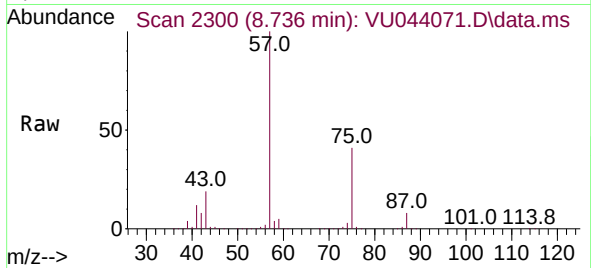




#59
2-Hexanone
Concen: 89.157 ug/l
RT: 8.736 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

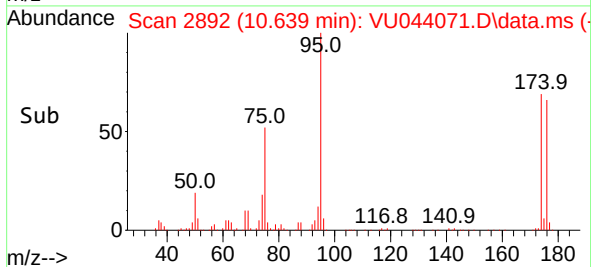
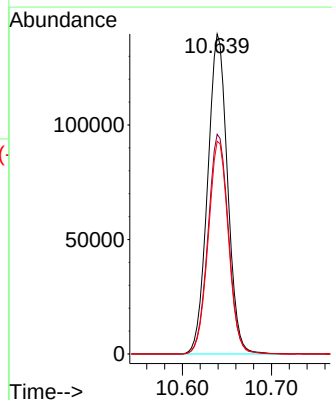
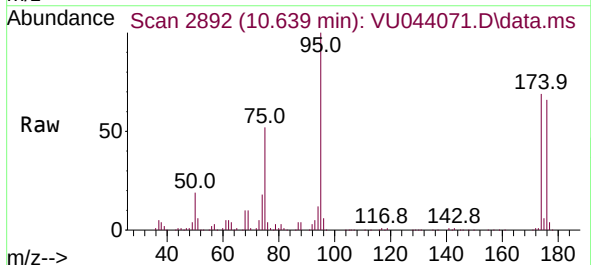
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

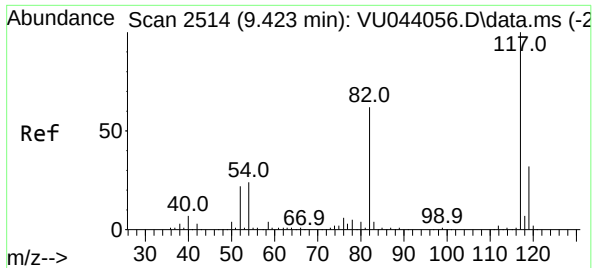
Tgt Ion: 43 Resp: 412064
Ion Ratio Lower Upper
43 100
58 20.8 29.0 87.1#



#62
4-Bromofluorobenzene
Concen: 49.808 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 95 Resp: 216606
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.0
176 67.4 0.0 135.2

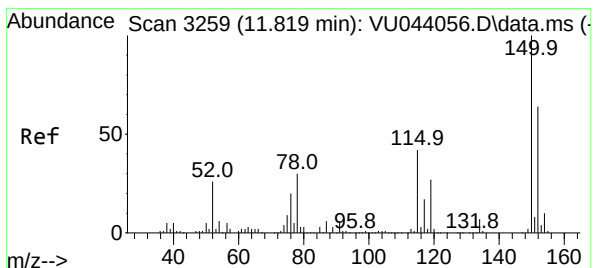
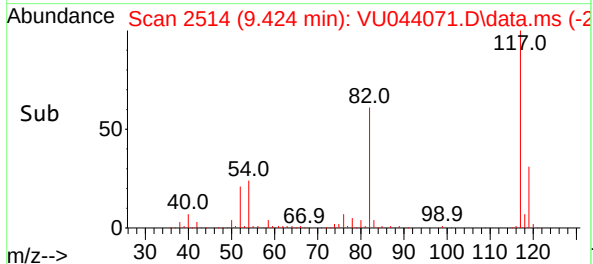
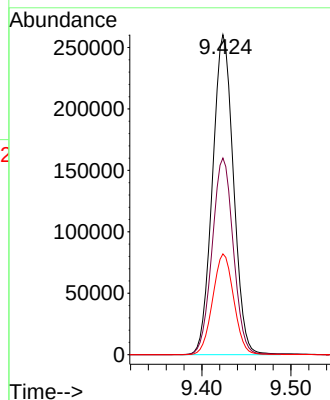
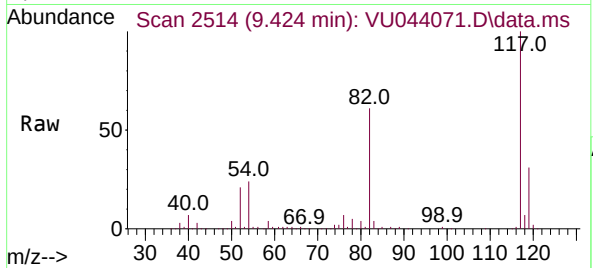




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.001 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

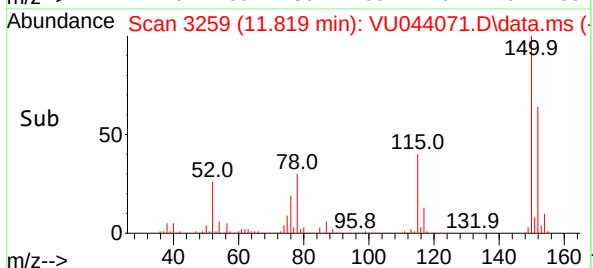
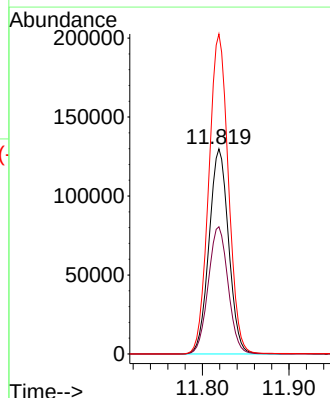
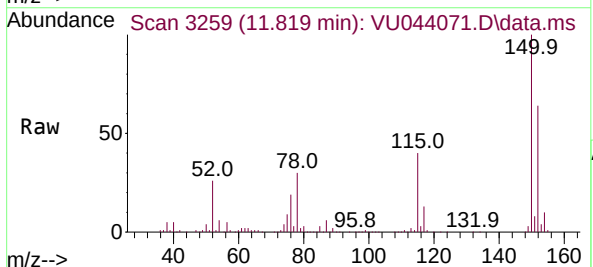
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

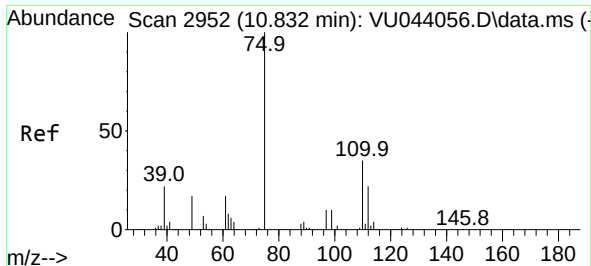
Tgt Ion:117 Resp: 427076
Ion Ratio Lower Upper
117 100
82 61.4 50.0 75.0
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion:152 Resp: 203820
Ion Ratio Lower Upper
152 100
115 63.0 44.6 134.0
150 156.5 0.0 347.8

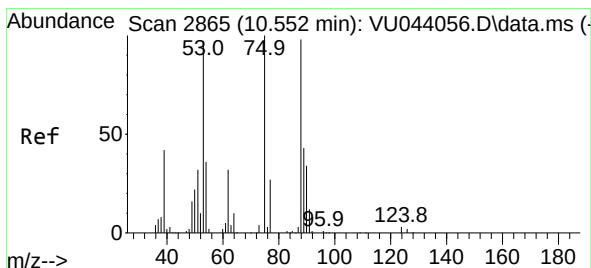
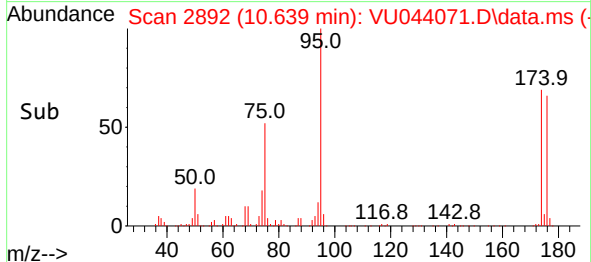
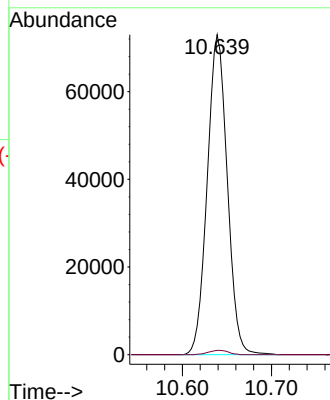
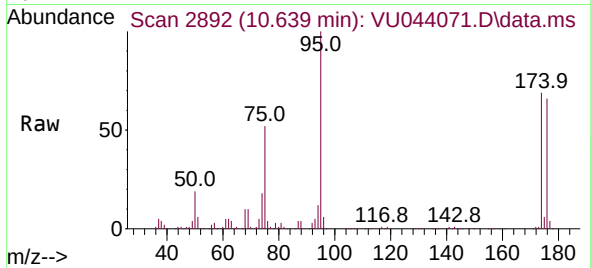




#76
1,2,3-Trichloropropane
Concen: 19.974 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

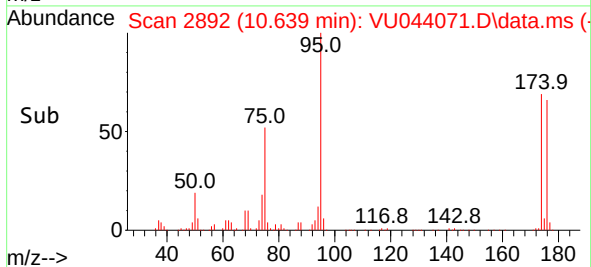
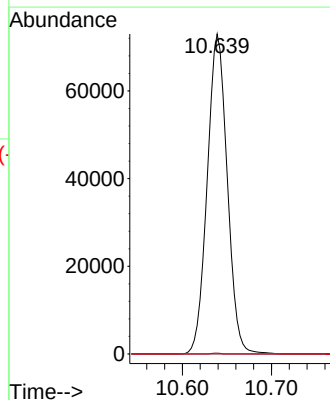
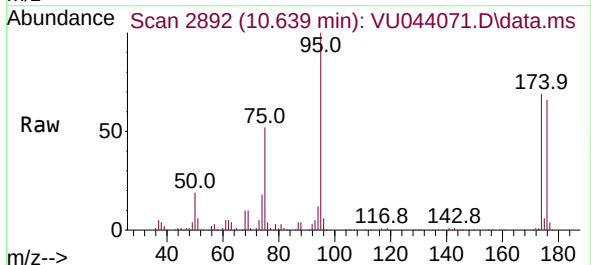
Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

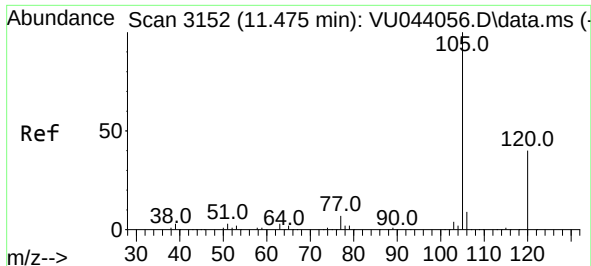
Tgt Ion: 75 Resp: 113888
Ion Ratio Lower Upper
75 100
77 1.4 16.9 50.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.325 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion: 75 Resp: 113888
Ion Ratio Lower Upper
75 100
53 0.1 76.9 115.3#
89 0.0 33.8 50.8#

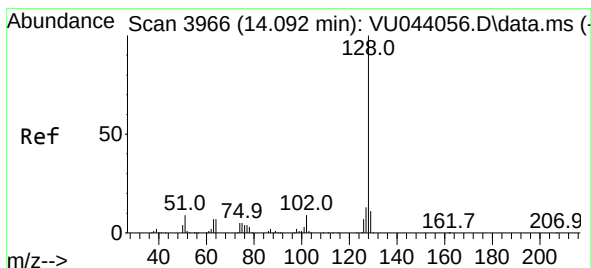
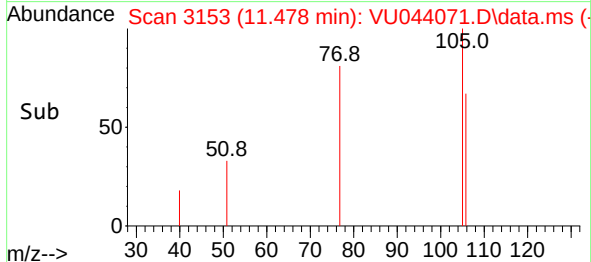
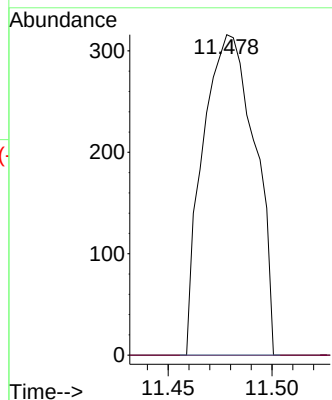
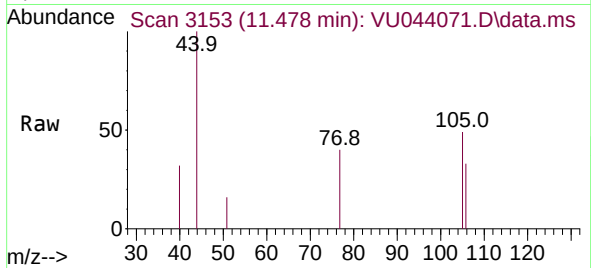




#84
1,2,4-Trimethylbenzene
Concen: 0.990 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Instrument :
MSVOA_U
ClientSampleId :
18-B12(14-18)

Tgt Ion:105 Resp: 547
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#95
Naphthalene
Concen: 3.049 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044071.D
Acq: 07 Jun 2021 21:26

Tgt Ion:128 Resp: 2995
Ion Ratio Lower Upper
128 100
127 8.9 10.2 15.4#
129 8.3 8.7 13.1#

