

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061021\
 Data File : VU044154.D
 Acq On : 10 Jun 2021 14:36
 Operator : SY/MD
 Sample : M2637-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 11 01:20:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 05:11:37 2021
 Response via : Initial Calibration

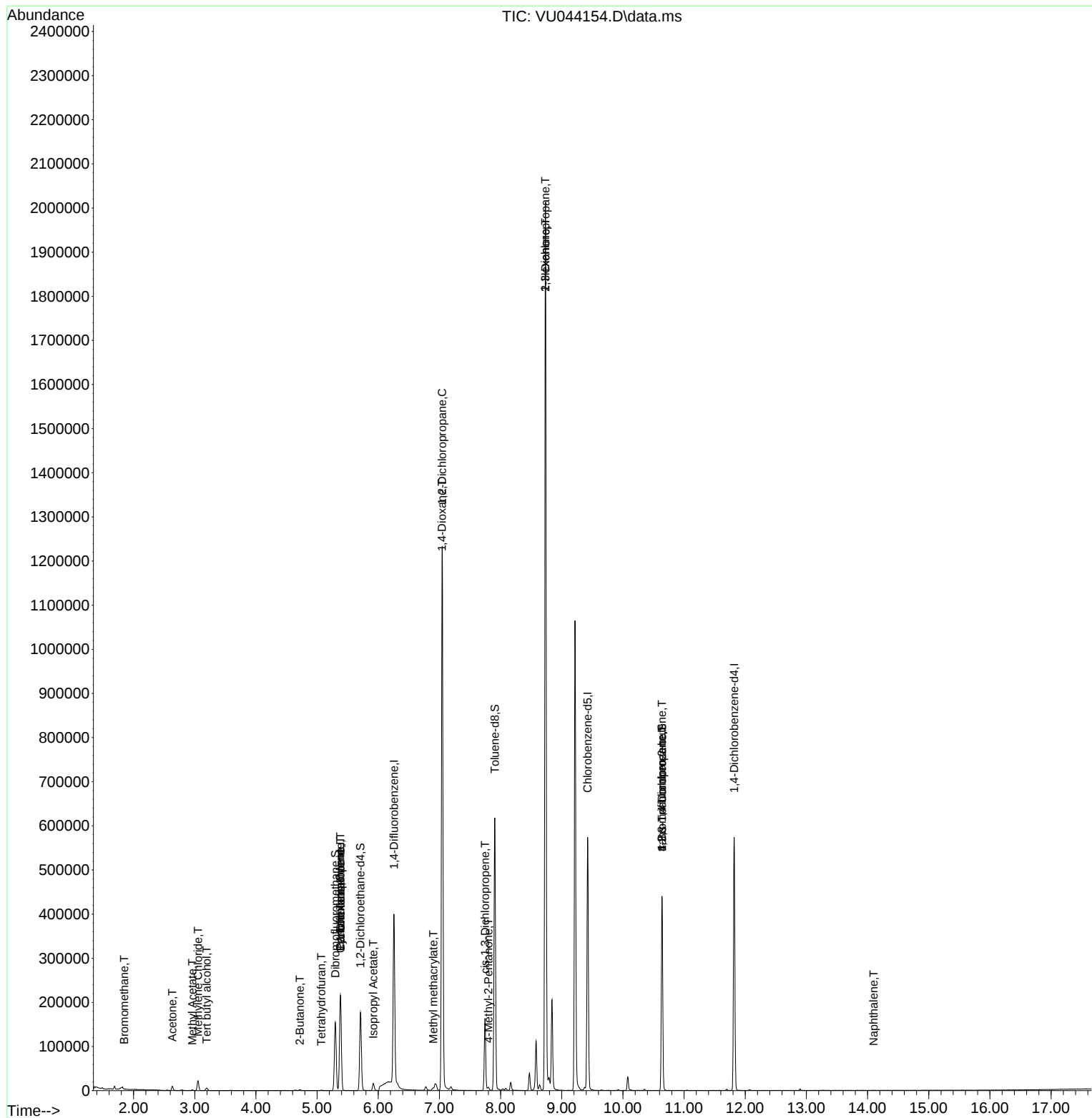
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.382	168	141849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	296737	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	304118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	143440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	128879	57.133	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.260%	
35) Dibromofluoromethane	5.298	113	100539	48.706	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.420%	
50) Toluene-d8	7.906	98	395932	49.944	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.880%	
62) 4-Bromofluorobenzene	10.639	95	150100	47.247	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	595	Below Cal	100	
5) Bromomethane	1.845	94	264	0.268 ug/l	92	
6) Chloroethane	1.922	64	27	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	3992	6.578 ug/l	#	73
13) Acrolein	2.491	56	112	Below Cal	#	61
16) Acetone	2.632	43	10951	7.323 ug/l		95
18) Methyl Acetate	2.960	43	2594	0.894 ug/l	#	79
20) Methylene Chloride	3.054	84	10741	4.185 ug/l		96
25) 2-Butanone	4.719	43	3245	1.724 ug/l		99
29) Tetrahydrofuran	5.070	42	832	0.813 ug/l	#	64
31) Cyclohexane	5.385	56	3295	1.035 ug/l	#	1
36) 1,1-Dichloropropene	5.382	75	13025	3.945 ug/l	#	50
38) Carbon Tetrachloride	5.382	117	14957	5.018 ug/l	#	17
43) Isopropyl Acetate	5.919	43	16365	2.918 ug/l		99
45) 1,2-Dichloropropane	7.044	63	1620	0.610 ug/l	#	43
48) Methyl methacrylate	6.899	41	6280	2.301 ug/l	#	11
49) 1,4-Dioxane	7.041	88	112	1.569 ug/l	#	1
51) 4-Methyl-2-Pentanone	7.800	43	4729	1.165 ug/l		92
54) cis-1,3-Dichloropropene	7.745	75	29676	7.459 ug/l	#	61
57) 1,3-Dichloropropane	8.732	76	20162	4.666 ug/l	#	42
59) 2-Hexanone	8.732	43	259017	79.946 ug/l	#	49
76) 1,2,3-Trichloropropane	10.639	75	77319	16.077 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.639	75	77319	58.279 ug/l	#	13
95) Naphthalene	14.098	128	429	2.876 ug/l	#	69

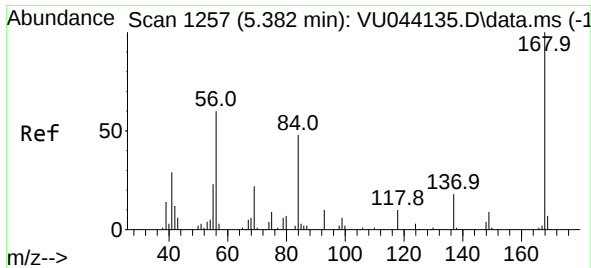
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration

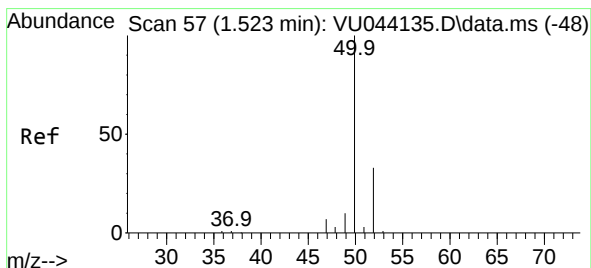
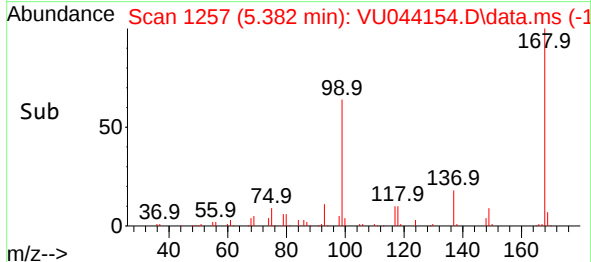
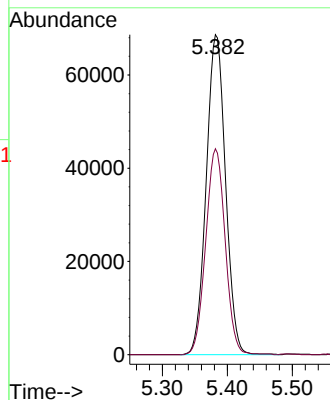
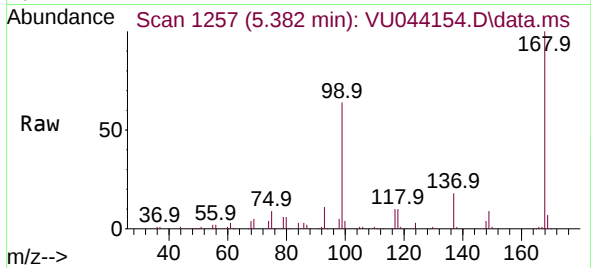




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

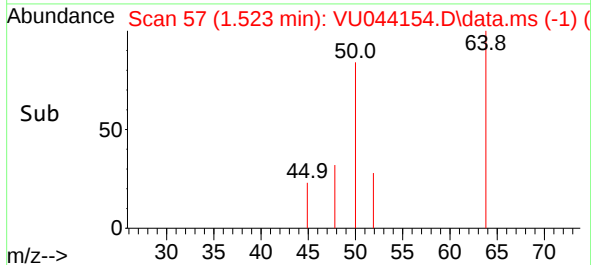
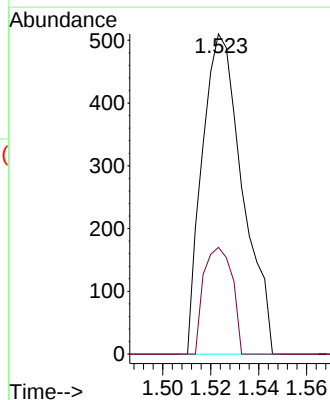
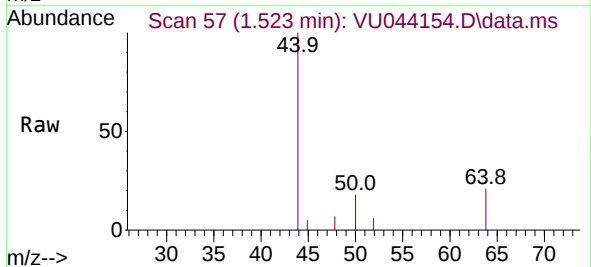
Instrument :
MSVOA_U
ClientSampleId :

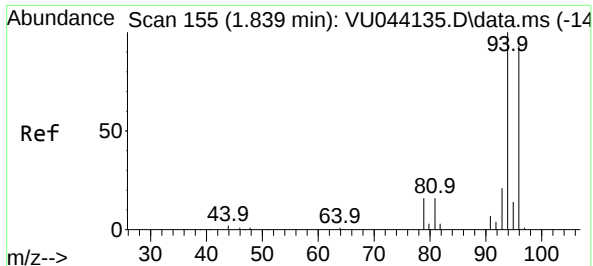
Tgt Ion:168 Resp: 141849
Ion Ratio Lower Upper
168 100
99 64.4 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 50 Resp: 595
Ion Ratio Lower Upper
50 100
52 33.3 26.6 39.8

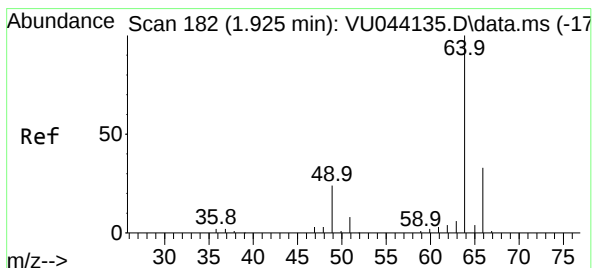
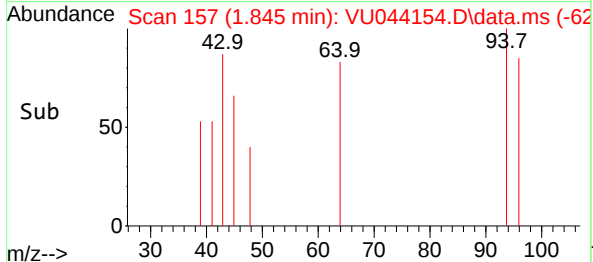
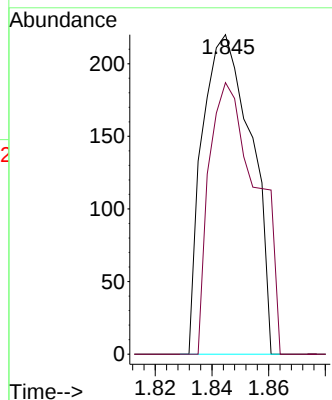
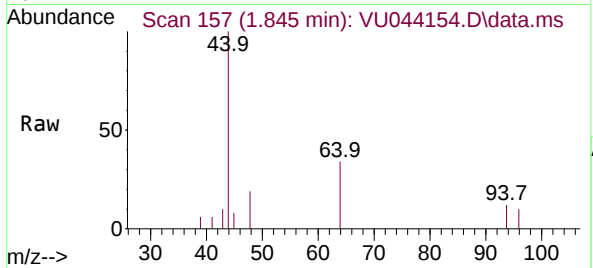




#5
Bromomethane
Concen: 0.268 ug/l
RT: 1.845 min Scan# 157
Delta R.T. 0.006 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

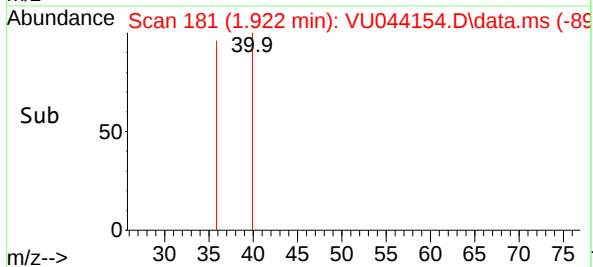
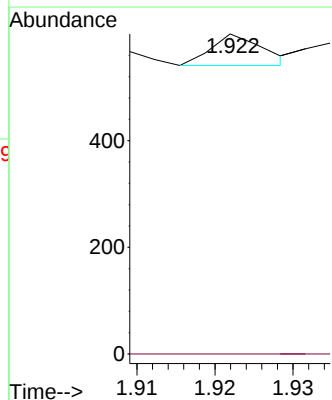
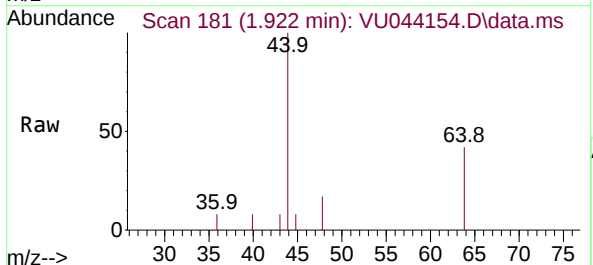
Instrument :
MSVOA_U
ClientSampleId :

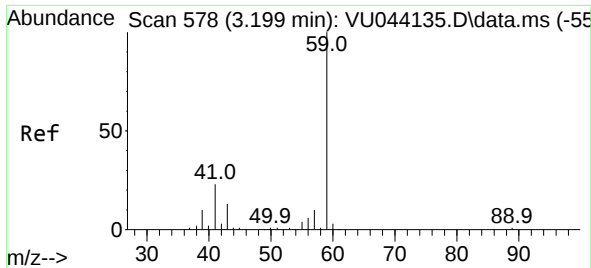
Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 85.0 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 181
Delta R.T. -0.003 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

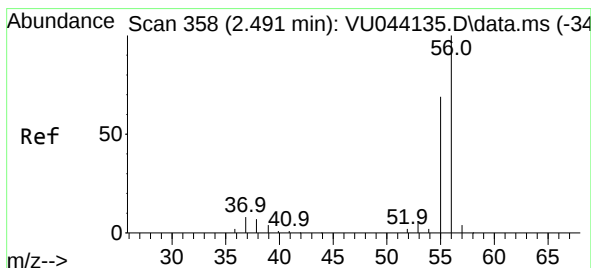
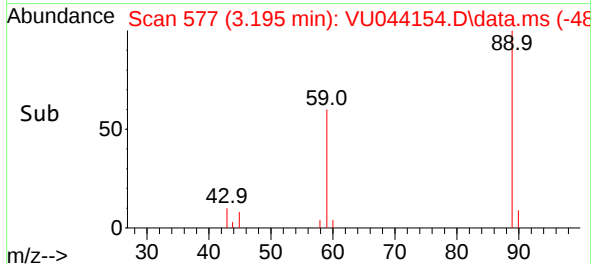
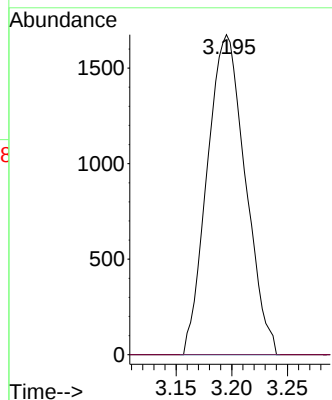
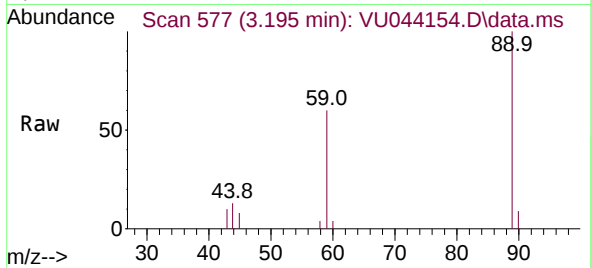




#11
Tert butyl alcohol
Concen: 6.578 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.004 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

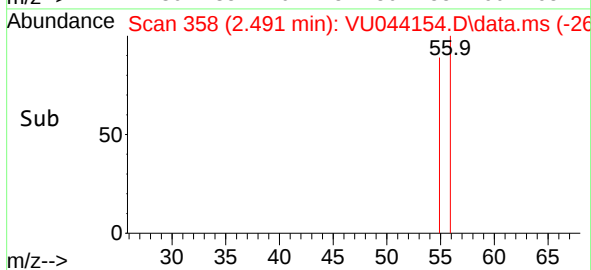
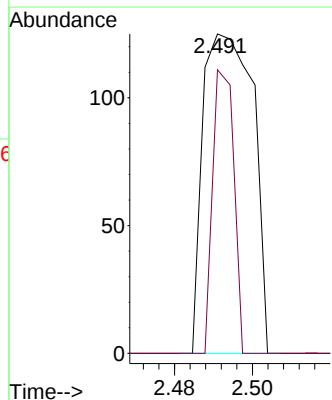
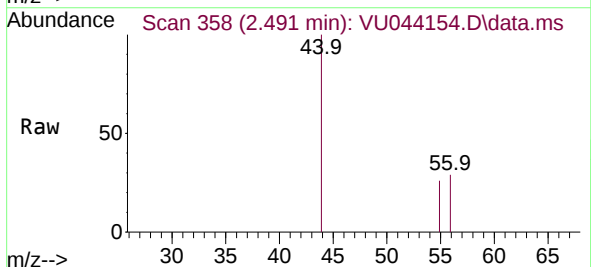
Instrument :
MSVOA_U
ClientSampled :

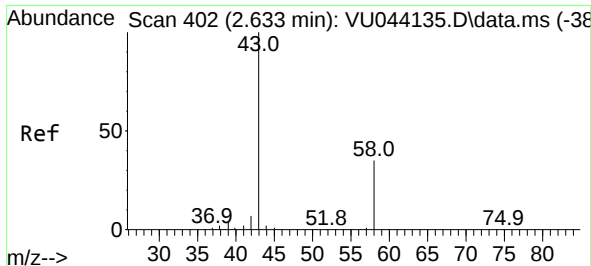
Tgt Ion: 59 Resp: 3992
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 358
Delta R.T. 0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 37.5 55.1 82.7#

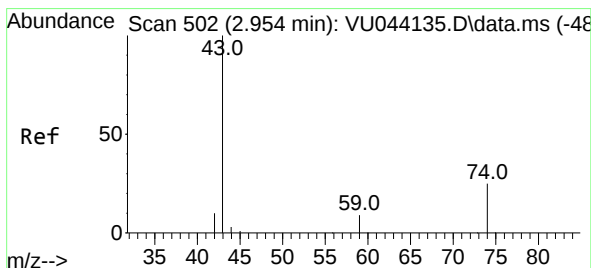
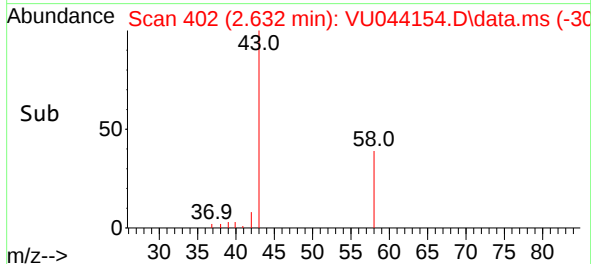
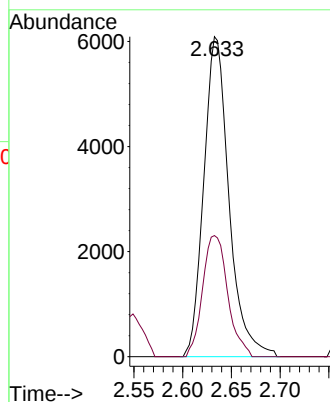
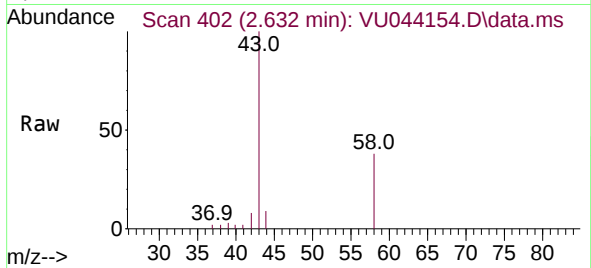




#16
Acetone
Concen: 7.323 ug/l
RT: 2.632 min Scan# 402
Delta R.T. -0.001 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

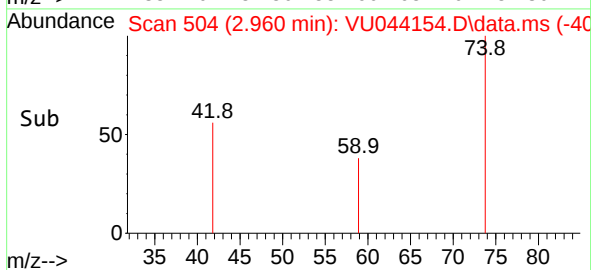
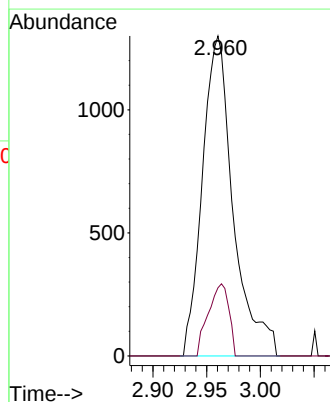
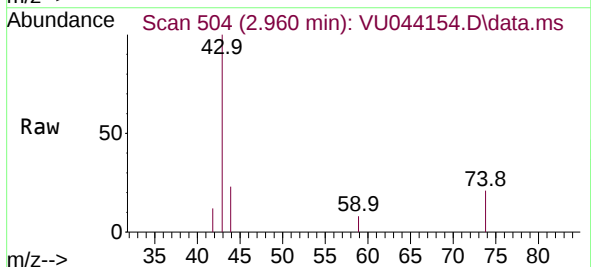
Instrument :
MSVOA_U
ClientSampled :

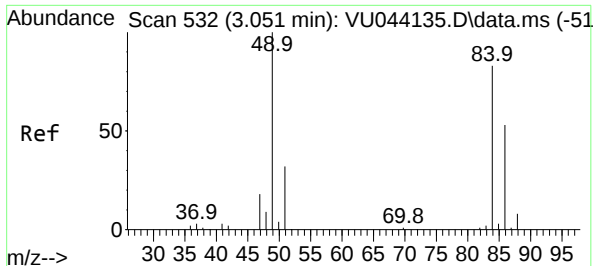
Tgt Ion: 43 Resp: 10951
Ion Ratio Lower Upper
43 100
58 37.9 28.0 42.0



#18
Methyl Acetate
Concen: 0.894 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

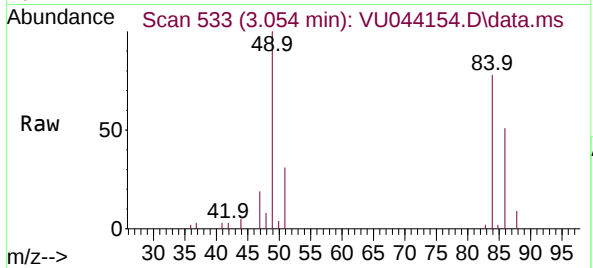
Tgt Ion: 43 Resp: 2594
Ion Ratio Lower Upper
43 100
74 15.0 20.3 30.5#



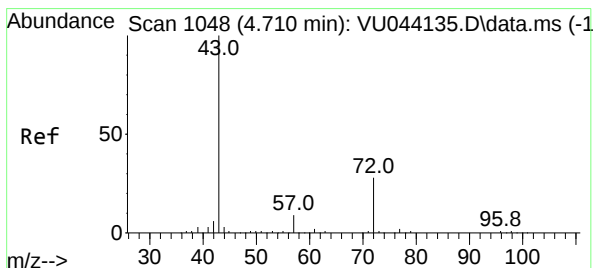
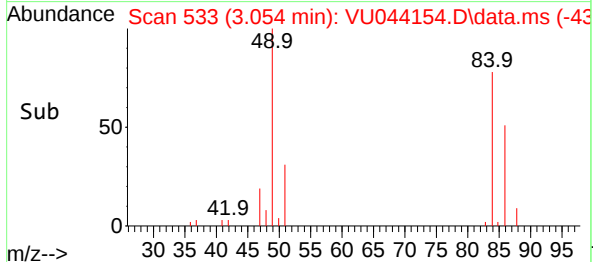
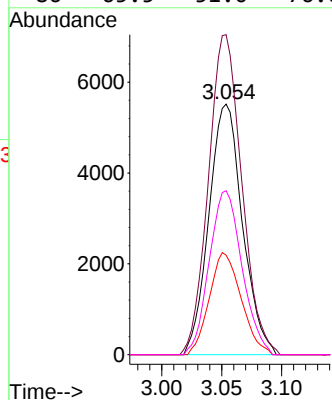


#20
Methylene Chloride
Concen: 4.185 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.003 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Instrument :
MSVOA_U
ClientSampled :

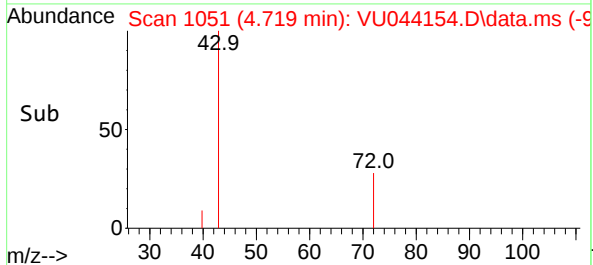
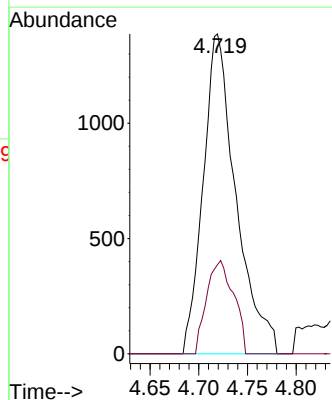
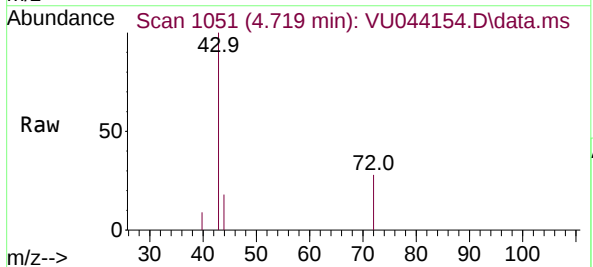


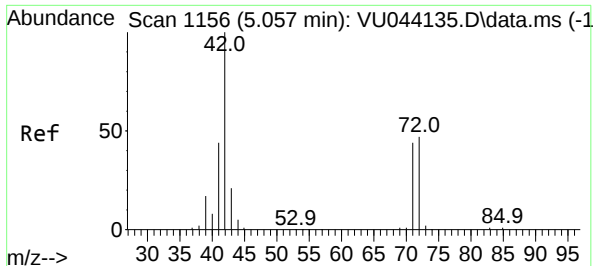
Tgt Ion:	84	Resp:	10741
Ion	Ratio	Lower	Upper
84	100		
49	127.7	96.9	145.3
51	39.7	31.0	46.6
86	65.5	51.0	76.6



#25
2-Butanone
Concen: 1.724 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion:	43	Resp:	3245
Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.6	33.8





#29

Tetrahydrofuran

Concen: 0.813 ug/l

RT: 5.070 min Scan# 1160

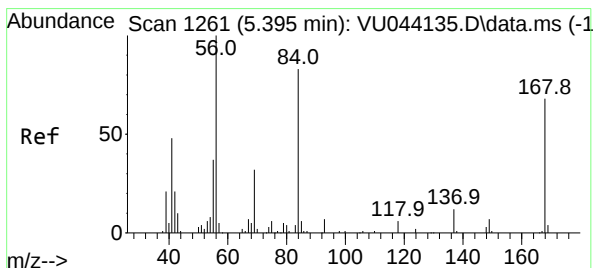
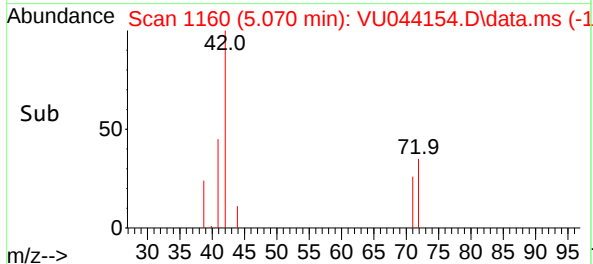
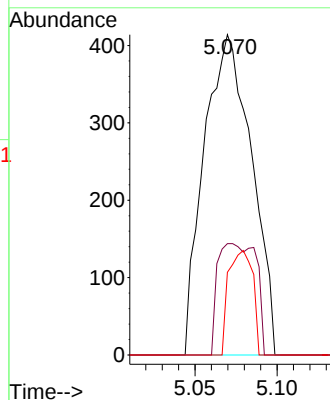
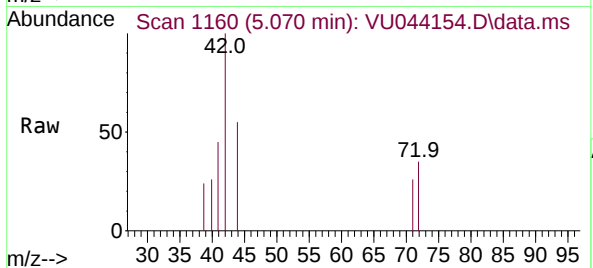
Delta R.T. 0.013 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

Tgt Ion:	42	Resp:	832
Ion	Ratio	Lower	Upper
42	100		
72	28.0	38.6	57.8#
71	16.6	35.5	53.3#

Instrument :
MSVOA_U
ClientSampled :



#31

Cyclohexane

Concen: 1.035 ug/l

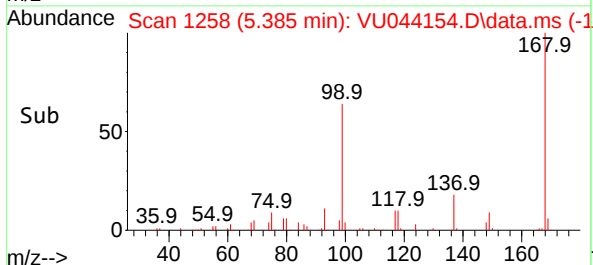
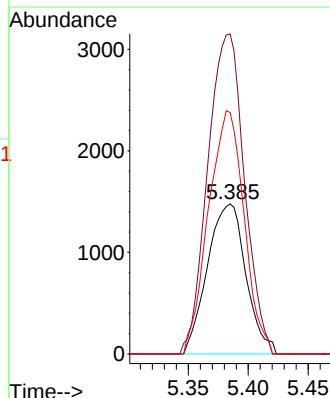
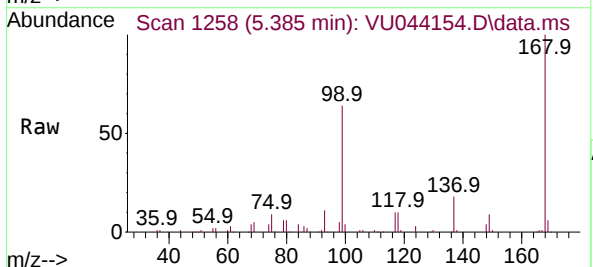
RT: 5.385 min Scan# 1258

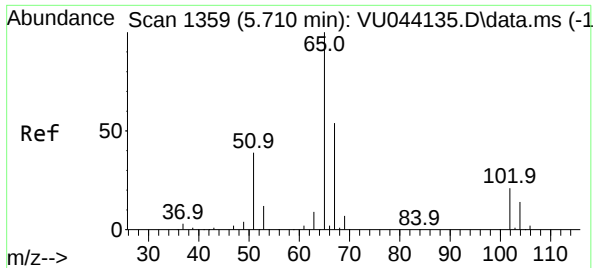
Delta R.T. -0.010 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

Tgt Ion:	56	Resp:	3295
Ion	Ratio	Lower	Upper
56	100		
69	213.3	25.5	38.3#
84	160.9	66.3	99.5#

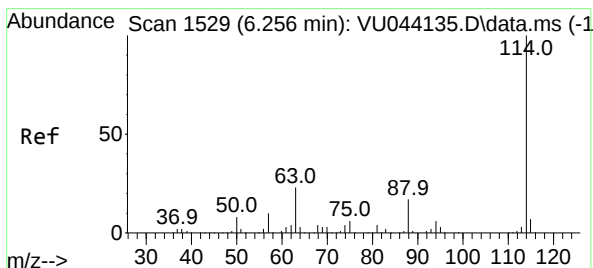
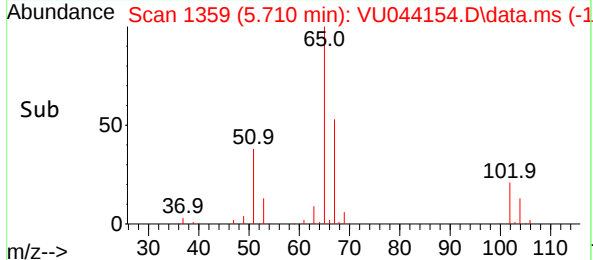
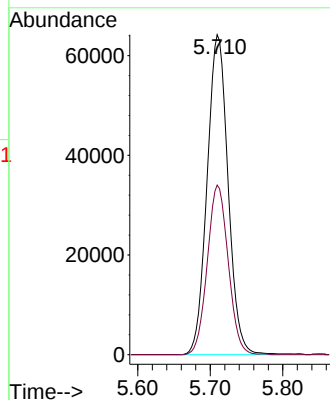
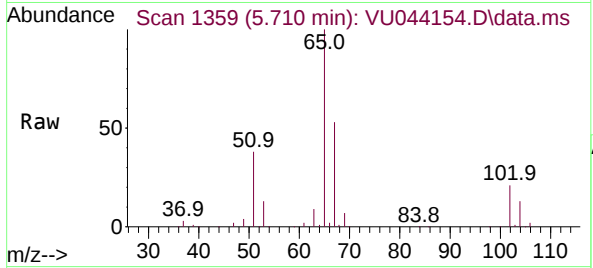




#33
1,2-Dichloroethane-d4
Concen: 57.133 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

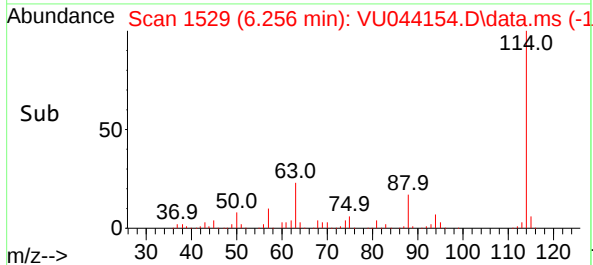
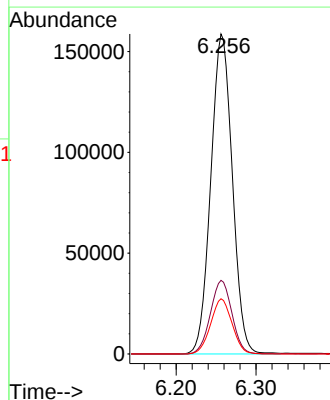
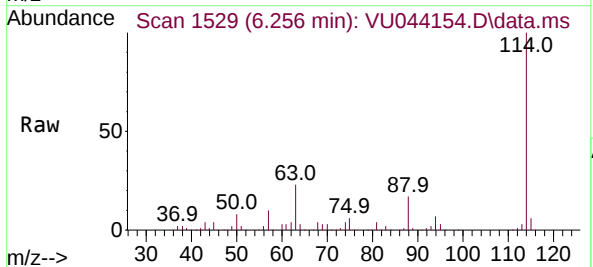
Instrument :
MSVOA_U
ClientSampled :

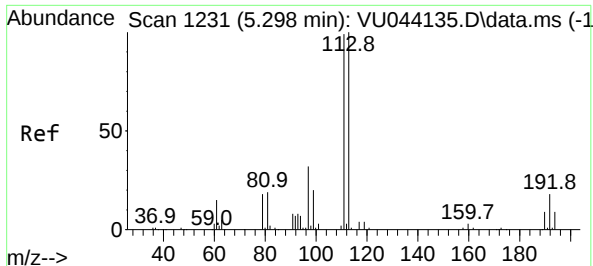
Tgt Ion: 65 Resp: 128879
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.256 min Scan# 1529
Delta R.T. 0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 114 Resp: 296737
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.8
88 17.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.706 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

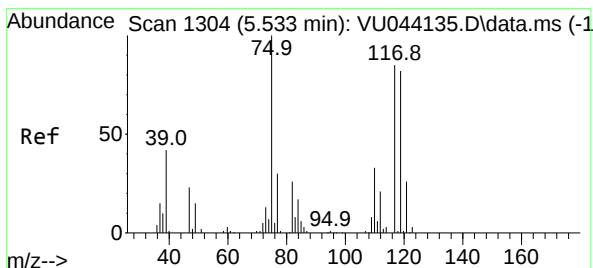
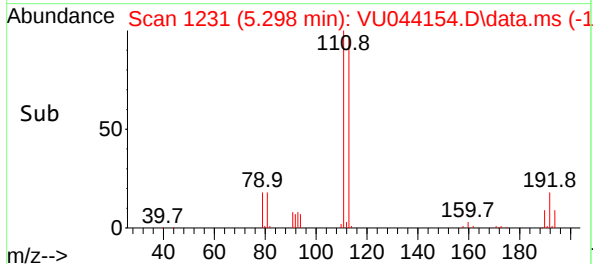
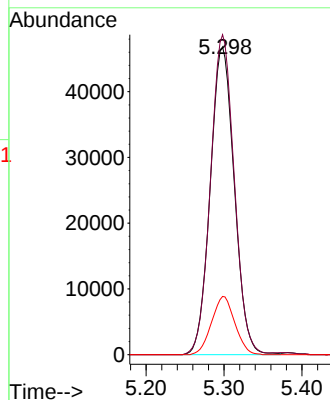
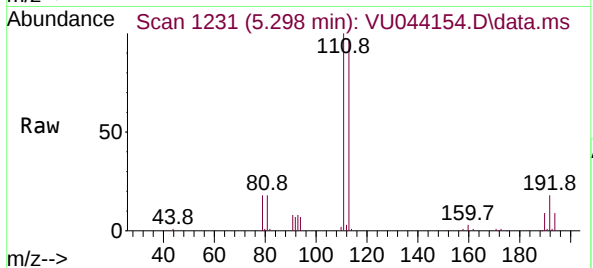
Tgt Ion:113 Resp: 100539

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.4

192 18.3 14.3 21.5



#36

1,1-Dichloropropene

Concen: 3.945 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

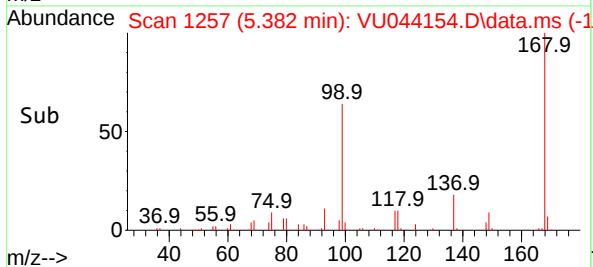
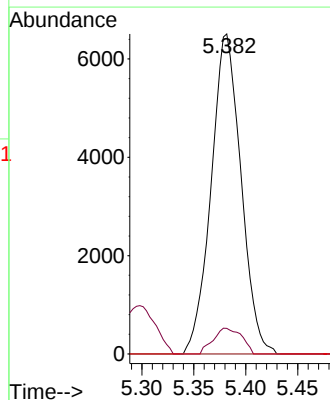
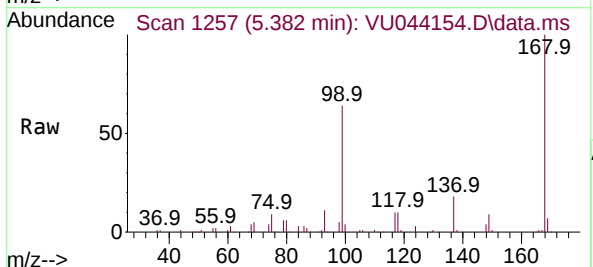
Tgt Ion: 75 Resp: 13025

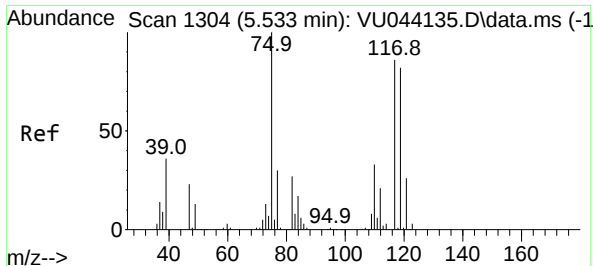
Ion Ratio Lower Upper

75 100

110 7.7 16.4 49.4#

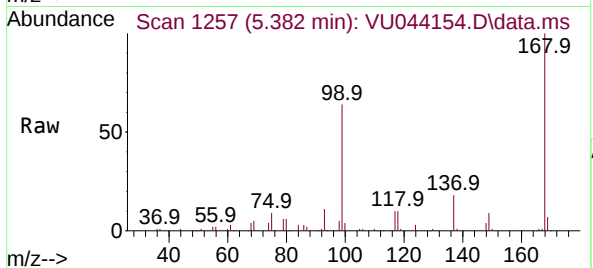
77 0.0 24.7 37.1#



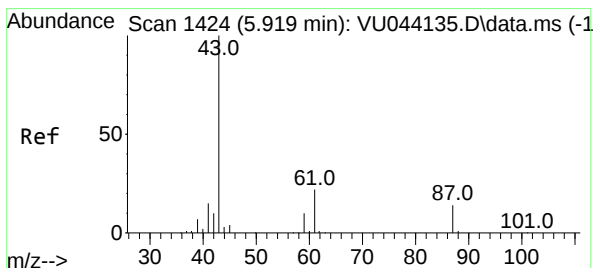
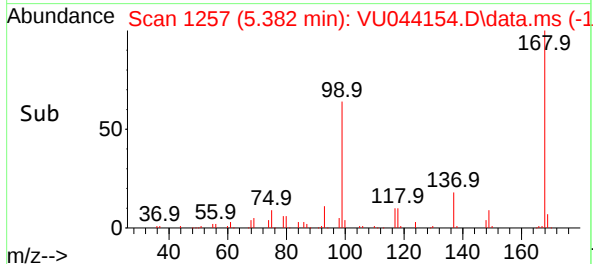
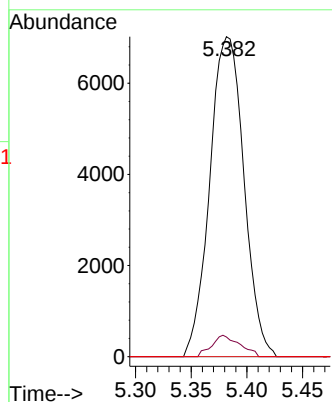


#38
Carbon Tetrachloride
Concen: 5.018 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Instrument :
MSVOA_U
ClientSampled :

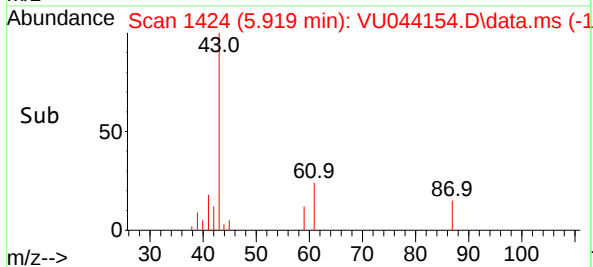
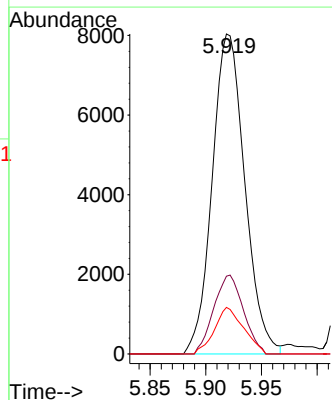
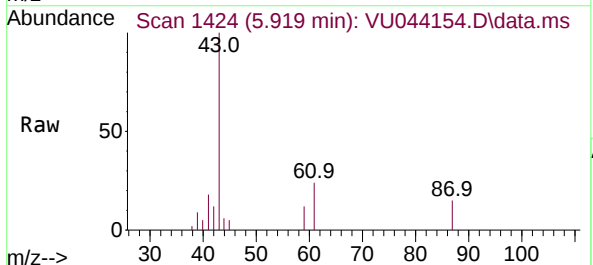


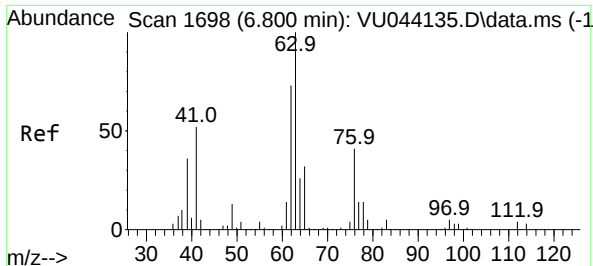
Tgt Ion:117 Resp: 14957
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 2.918 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. -0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 43 Resp: 16365
Ion Ratio Lower Upper
43 100
61 22.4 17.8 26.8
87 13.0 11.1 16.7



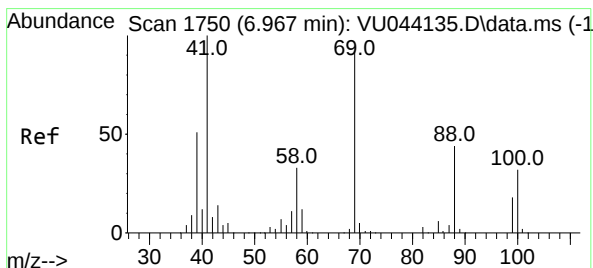
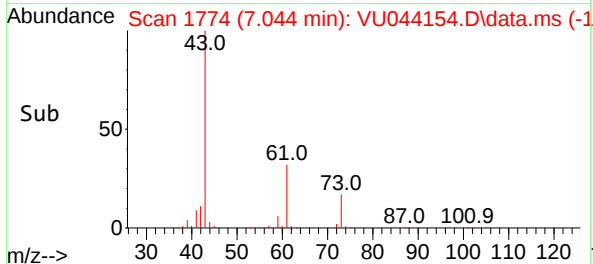
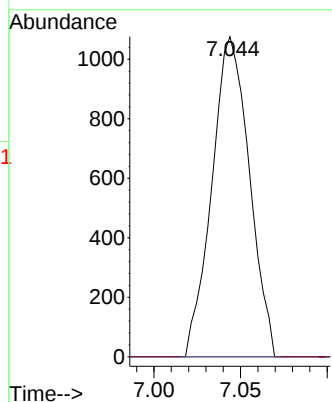
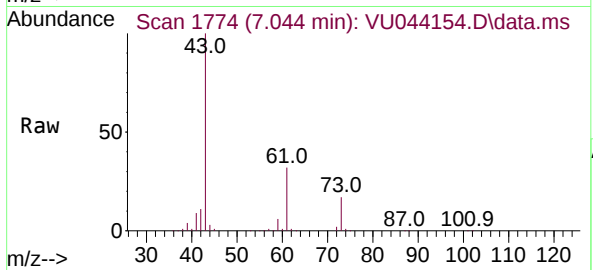


#45

1,2-Dichloropropane
Concen: 0.610 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Instrument :
MSVOA_U
ClientSampled :

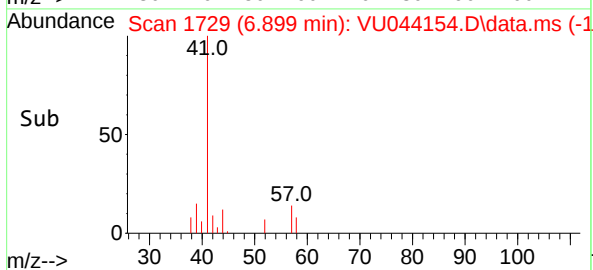
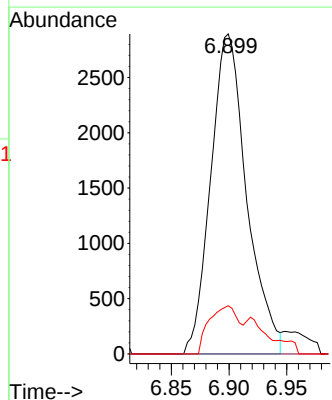
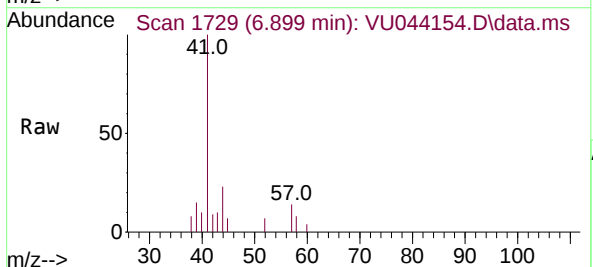
Tgt Ion: 63 Resp: 1620
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

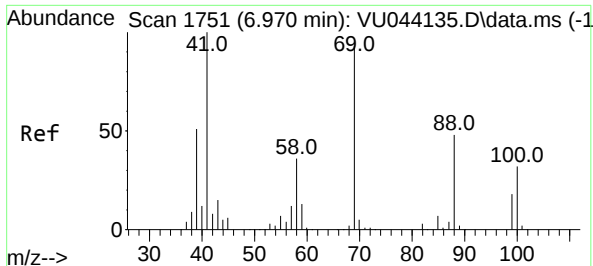


#48

Methyl methacrylate
Concen: 2.301 ug/l
RT: 6.899 min Scan# 1729
Delta R.T. -0.068 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 41 Resp: 6280
Ion Ratio Lower Upper
41 100
69 0.0 74.0 111.0#
39 0.0 41.5 62.3#





#49

1,4-Dioxane

Concen: 1.569 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

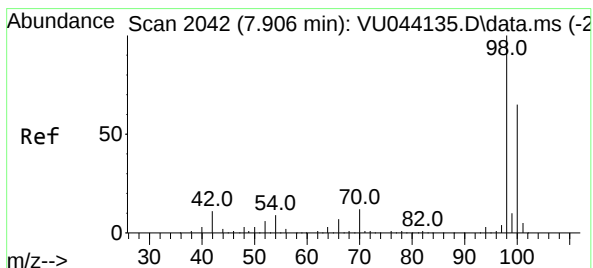
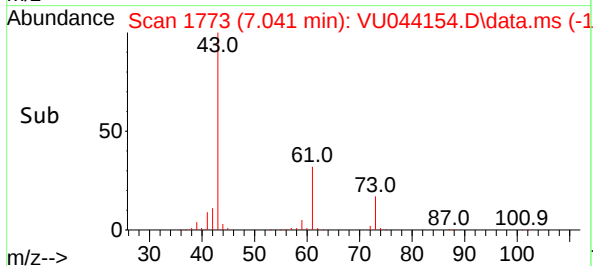
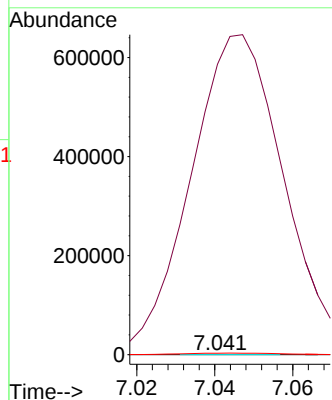
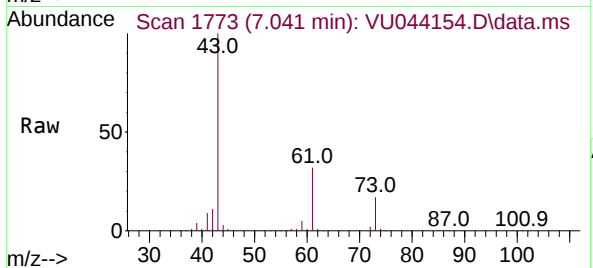
43 977755.4 23.4 35.0#

58 5162.5 58.1 87.1#

Instrument :

MSVOA_U

ClientSampleId :



#50

Toluene-d8

Concen: 49.944 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044154.D

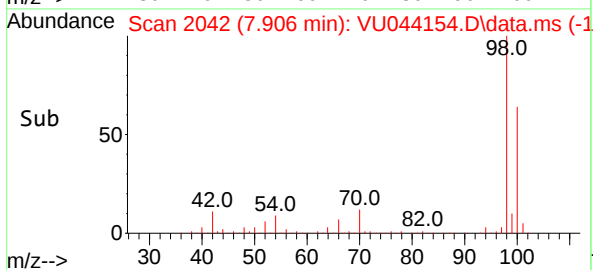
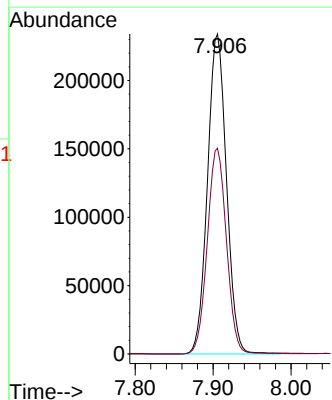
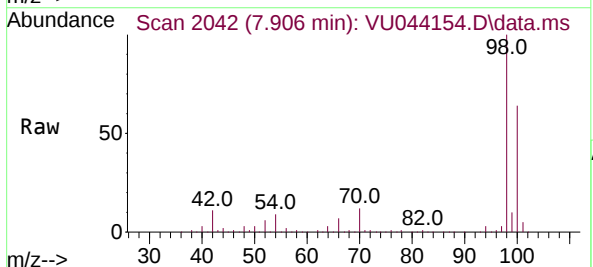
Acq: 10 Jun 2021 14:36

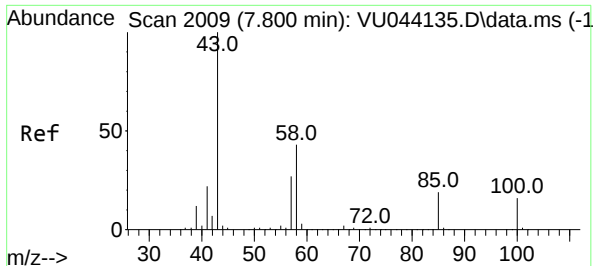
Tgt Ion: 98 Resp: 395932

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 1.165 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

Tgt Ion: 43 Resp: 4729

Ion Ratio Lower Upper

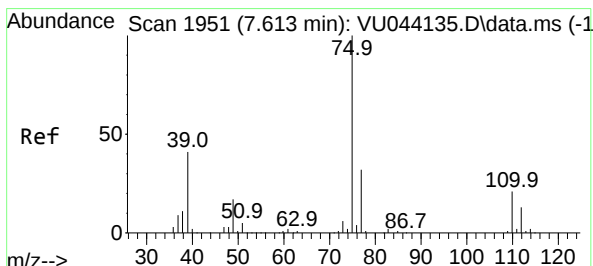
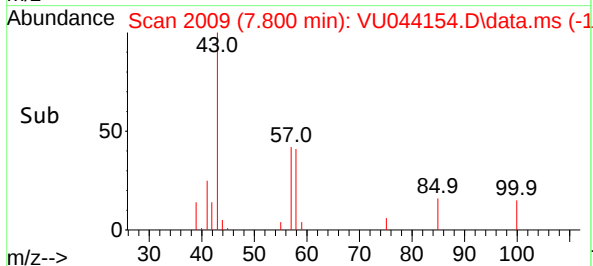
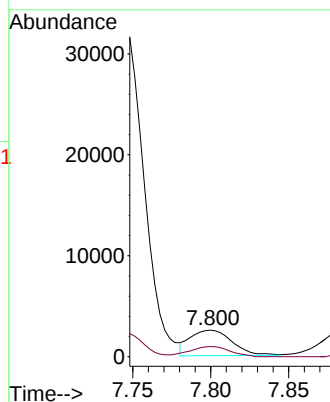
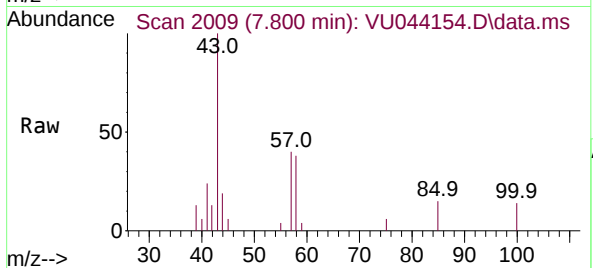
43 100

58 37.9 34.5 51.7

Instrument :

MSVOA_U

ClientSampled :



#54

cis-1,3-Dichloropropene

Concen: 7.459 ug/l

RT: 7.745 min Scan# 1992

Delta R.T. 0.132 min

Lab File: VU044154.D

Acq: 10 Jun 2021 14:36

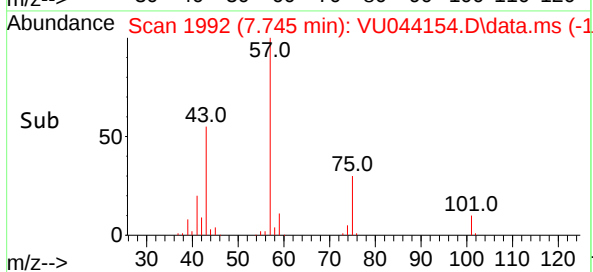
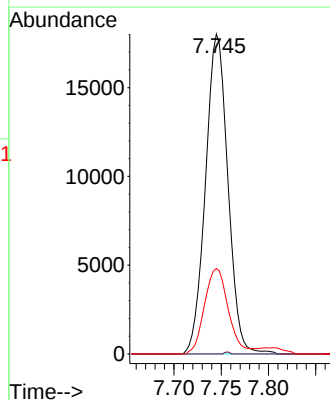
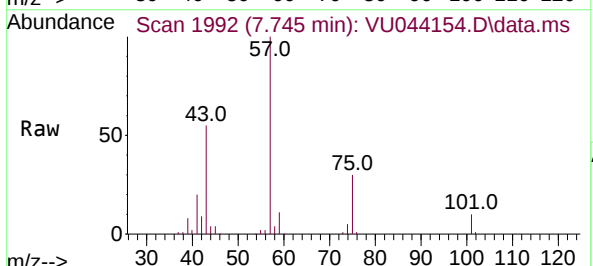
Tgt Ion: 75 Resp: 29676

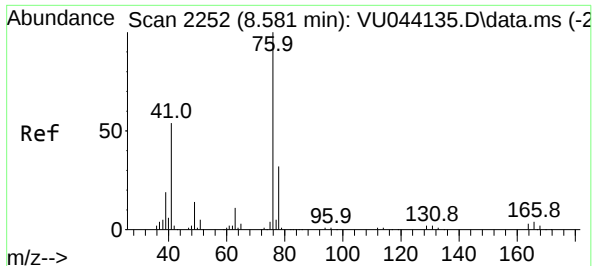
Ion Ratio Lower Upper

75 100

77 0.0 25.9 38.9#

39 26.7 33.2 49.8#



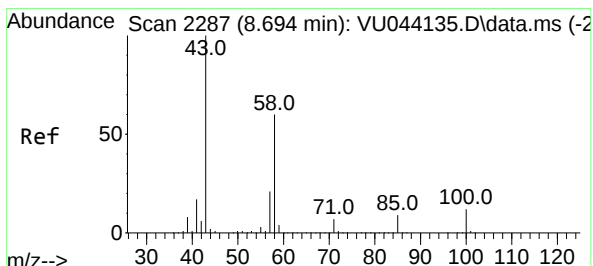
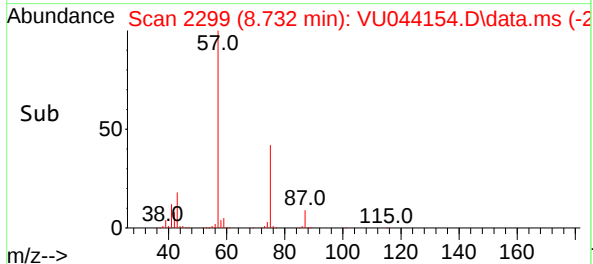
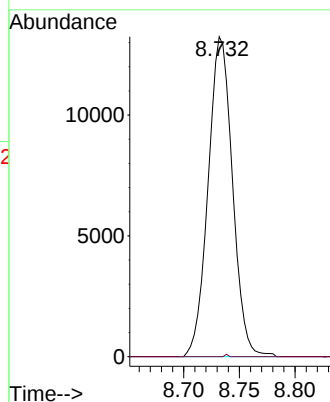
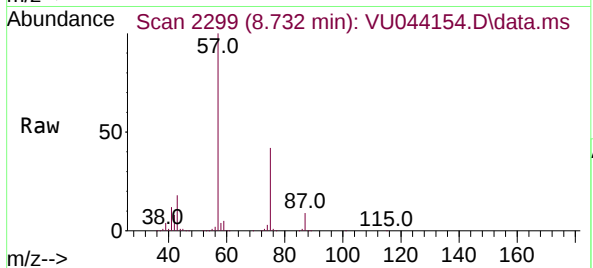


#57

1,3-Dichloropropane
Concen: 4.666 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Instrument :
MSVOA_U
ClientSampled :

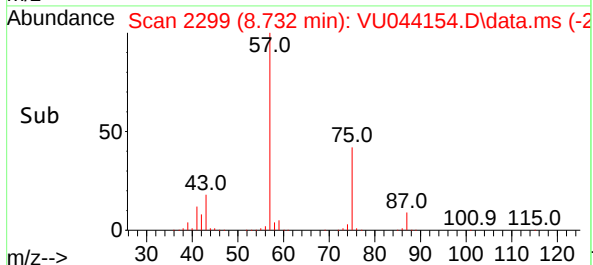
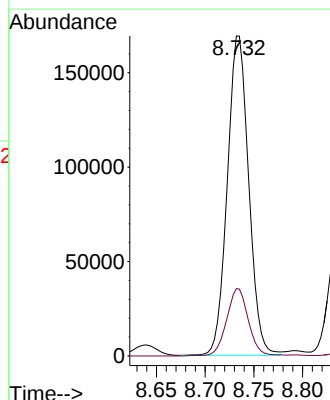
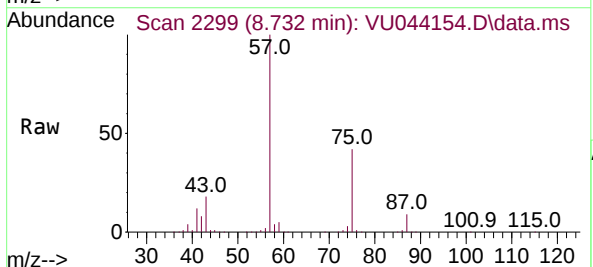
Tgt Ion: 76 Resp: 20162
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

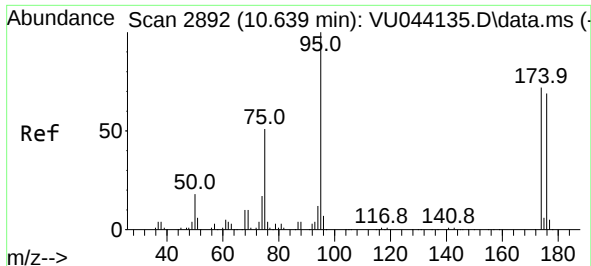


#59

2-Hexanone
Concen: 79.946 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.038 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 43 Resp: 259017
Ion Ratio Lower Upper
43 100
58 21.5 30.0 90.1#

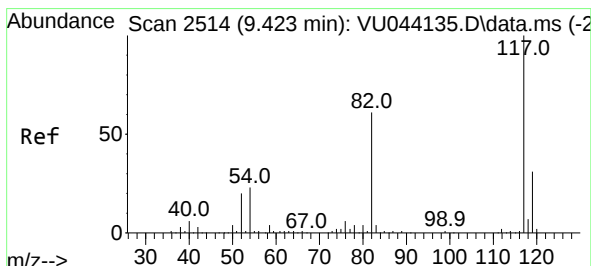
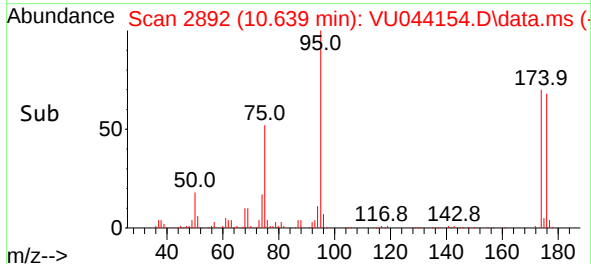
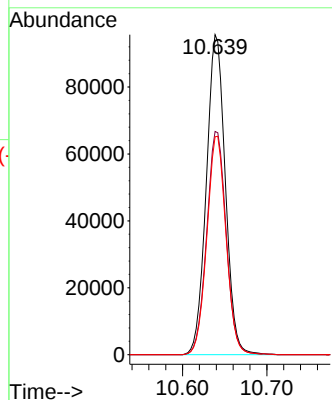
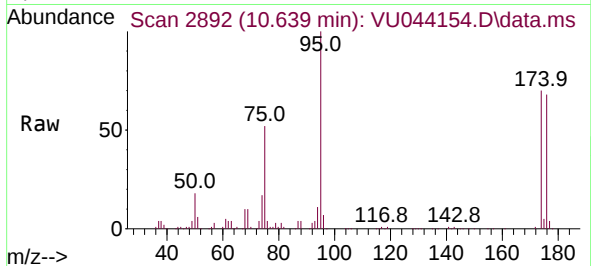




#62
4-Bromofluorobenzene
Concen: 47.247 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

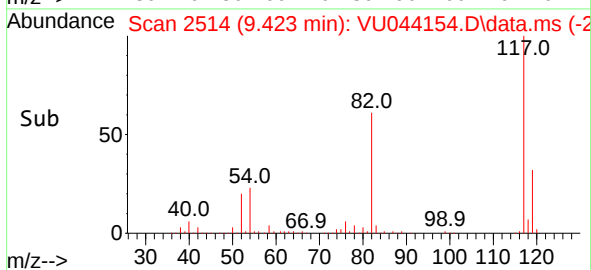
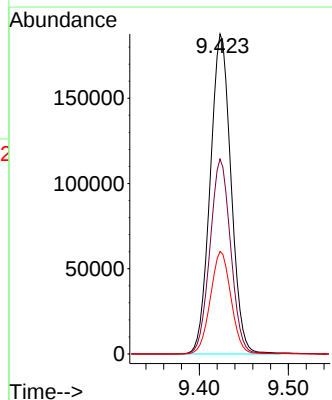
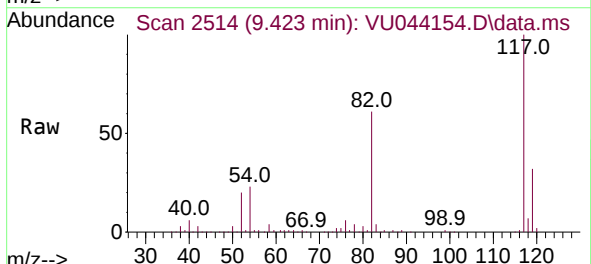
Instrument :
MSVOA_U
ClientSampleId :

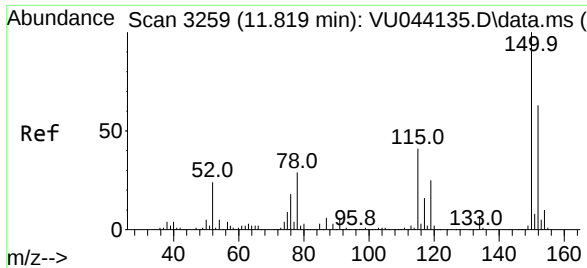
Tgt Ion: 95 Resp: 150100
Ion Ratio Lower Upper
95 100
174 71.5 0.0 144.4
176 69.0 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion: 117 Resp: 304118
Ion Ratio Lower Upper
117 100
82 60.8 48.8 73.2
119 32.1 25.0 37.6

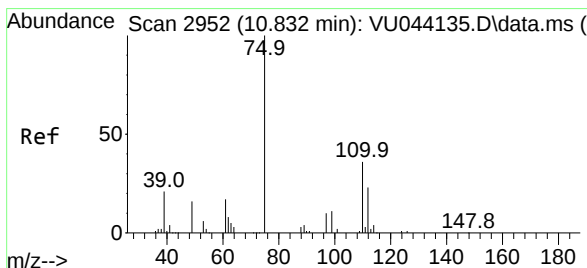
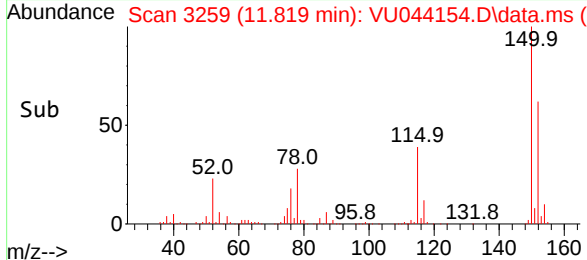
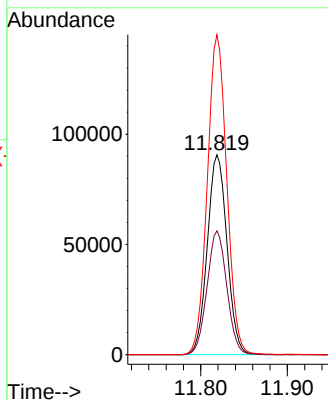
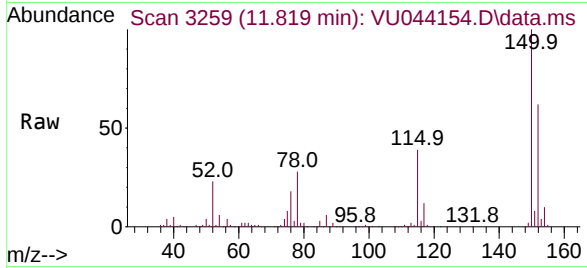




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044154.D
 Acq: 10 Jun 2021 14:36

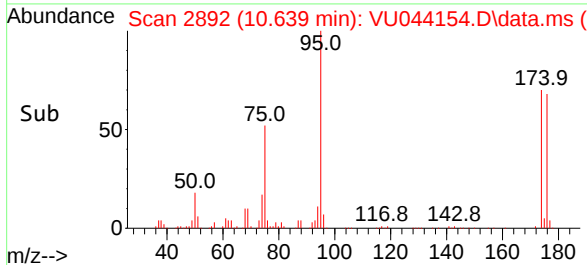
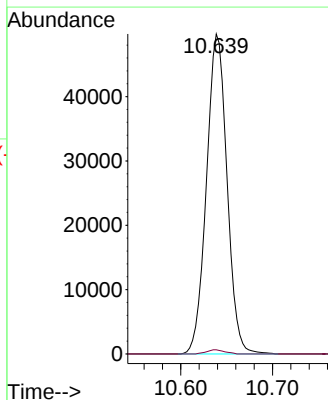
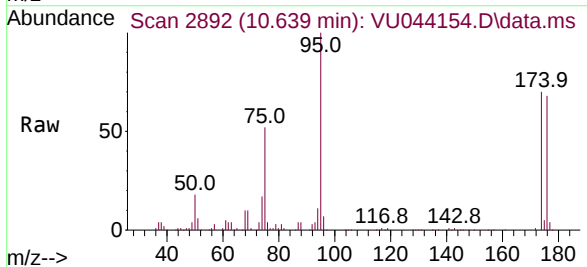
Instrument :
 MSVOA_U
 ClientSampled :

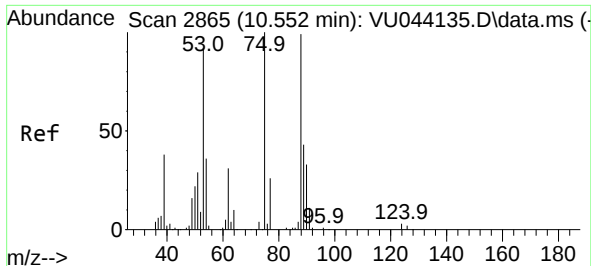
Tgt Ion:152 Resp: 143440
 Ion Ratio Lower Upper
 152 100
 115 62.2 43.8 131.3
 150 157.9 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 16.077 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044154.D
 Acq: 10 Jun 2021 14:36

Tgt Ion: 75 Resp: 77319
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.9 44.5#

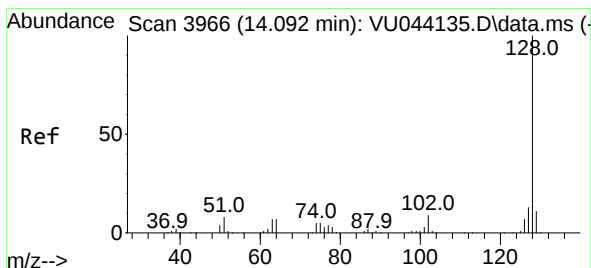
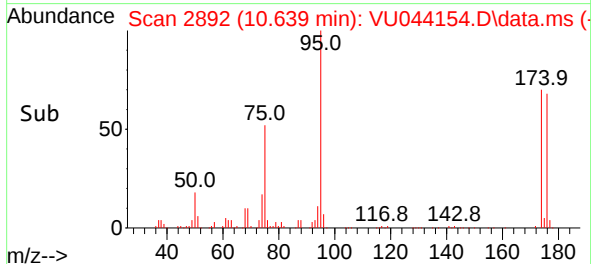
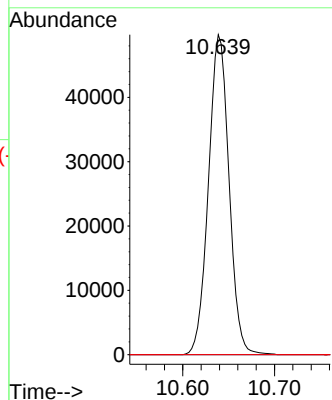
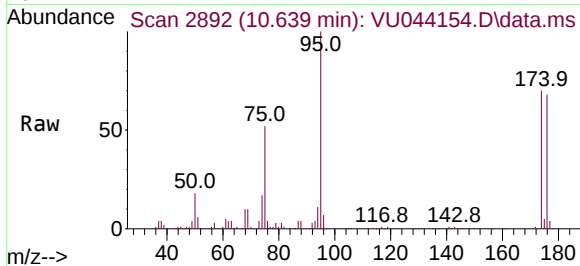




#81
trans-1,4-Dichloro-2-butene
Concen: 58.279 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 77319
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.876 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VU044154.D
Acq: 10 Jun 2021 14:36

Tgt Ion:128 Resp: 429
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

