

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044180.D
 Acq On : 14 Jun 2021 14:48
 Operator : SY/MD
 Sample : M2672-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:45:24 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)

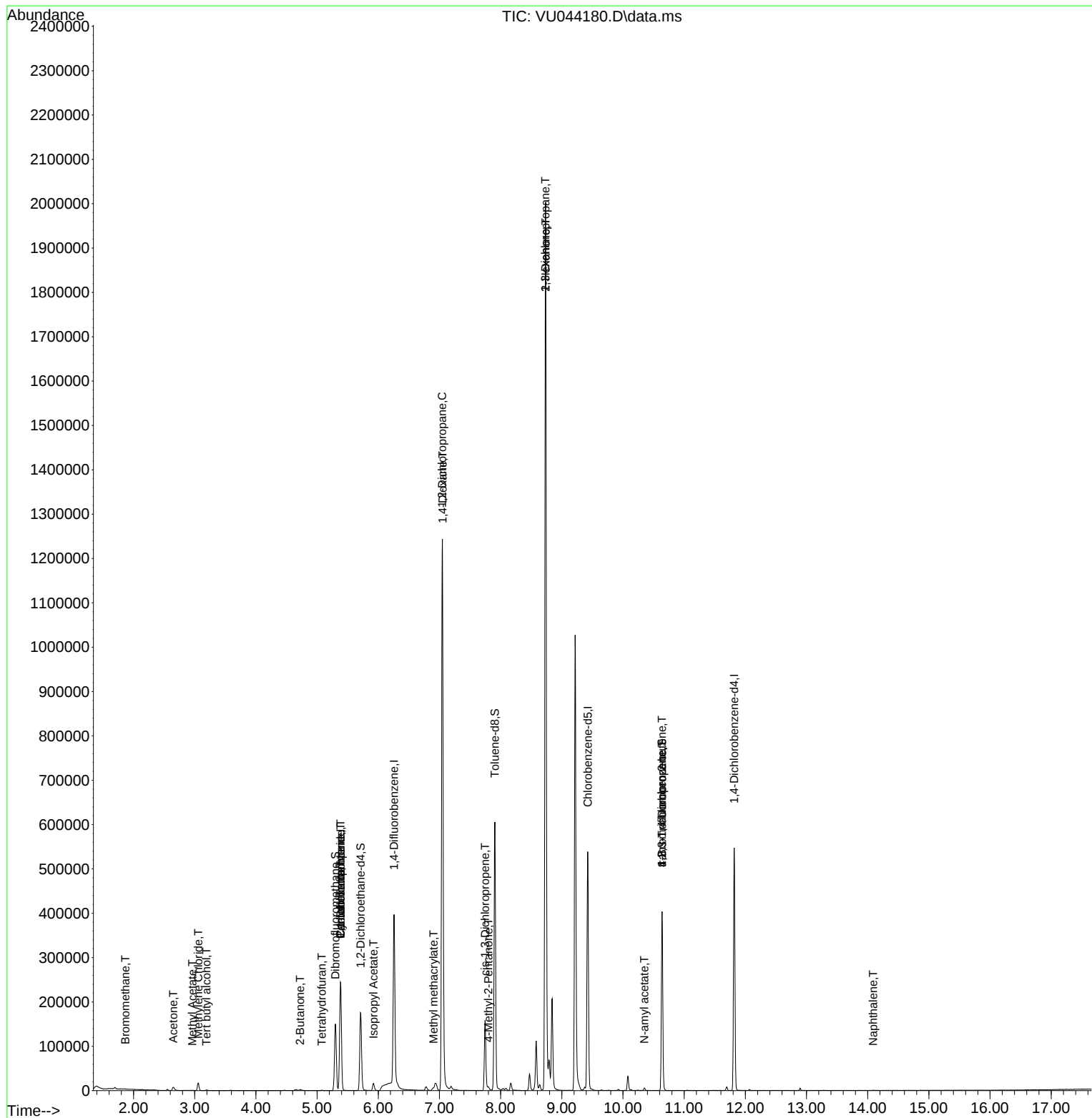
Internal Standards						
1) Pentafluorobenzene	5.386	168	159738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.257	114	294610	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	292468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	136554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	130777	51.482	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.960%	
35) Dibromofluoromethane	5.299	113	97055	47.358	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.720%	
50) Toluene-d8	7.906	98	389509	49.489	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.980%	
62) 4-Bromofluorobenzene	10.639	95	138584	43.937	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.524	50	344	Below Cal	#	84
5) Bromomethane	1.865	94	268	0.242	ug/l	96
6) Chloroethane	1.932	64	90	Below Cal	#	42
11) Tert butyl alcohol	3.193	59	1212	1.774	ug/l	# 73
13) Acrolein	2.501	56	21	Below Cal	#	15
16) Acetone	2.649	43	12637	7.558	ug/l	95
18) Methyl Acetate	2.961	43	1031	0.316	ug/l	# 58
20) Methylene Chloride	3.058	84	8345	2.507	ug/l	96
25) 2-Butanone	4.723	43	4134	1.950	ug/l	99
29) Tetrahydrofuran	5.077	42	689	0.598	ug/l	# 53
31) Cyclohexane	5.382	56	3790	1.057	ug/l	# 1
36) 1,1-Dichloropropene	5.382	75	14850	4.531	ug/l	# 50
38) Carbon Tetrachloride	5.386	117	16802	5.678	ug/l	# 17
43) Isopropyl Acetate	5.922	43	17678	3.174	ug/l	98
45) 1,2-Dichloropropane	7.045	63	1567	0.594	ug/l	# 43
48) Methyl methacrylate	6.903	41	7404	2.732	ug/l	# 11
49) 1,4-Dioxane	7.051	88	40	0.564	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.800	43	5212	1.293	ug/l	94
54) cis-1,3-Dichloropropene	7.746	75	30075	7.613	ug/l	# 63
57) 1,3-Dichloropropane	8.733	76	21183	4.938	ug/l	# 42
59) 2-Hexanone	8.736	43	269742	83.857	ug/l	# 49
74) N-amyl acetate	10.350	43	1161	0.283	ug/l	# 24
76) 1,2,3-Trichloropropane	10.639	75	72194	15.768	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.639	75	72194	57.160	ug/l	# 13
95) Naphthalene	14.089	128	663	2.901	ug/l	# 69

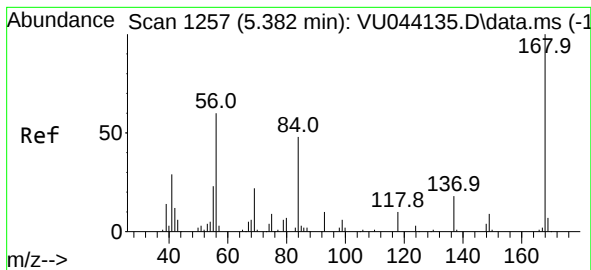
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.386 min Scan# 1258

Delta R.T. 0.004 min

Lab File: VU044180.D

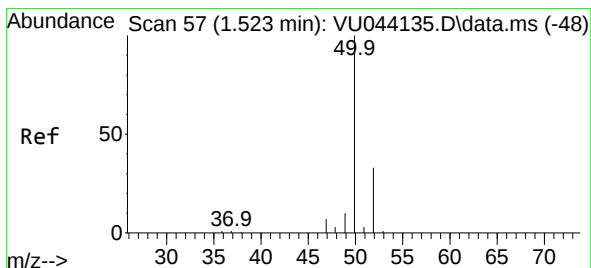
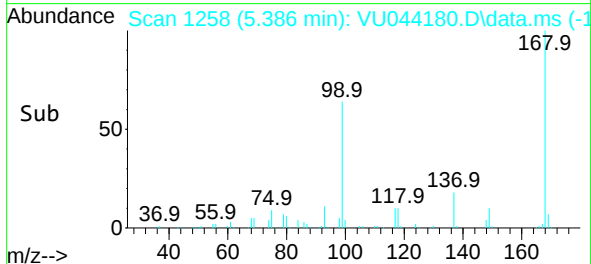
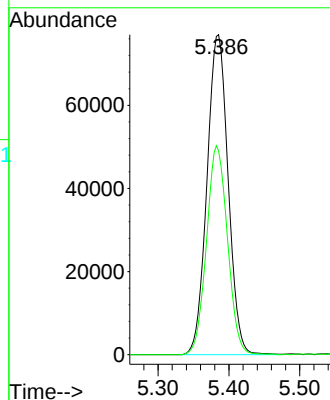
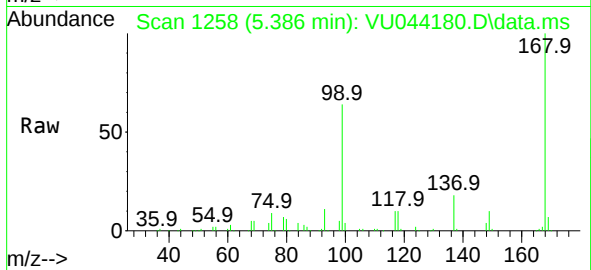
Acq: 14 Jun 2021 14:48

Tgt Ion:168 Resp: 159738

Ion Ratio Lower Upper

168 100

99 63.6 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.524 min Scan# 57

Delta R.T. 0.001 min

Lab File: VU044180.D

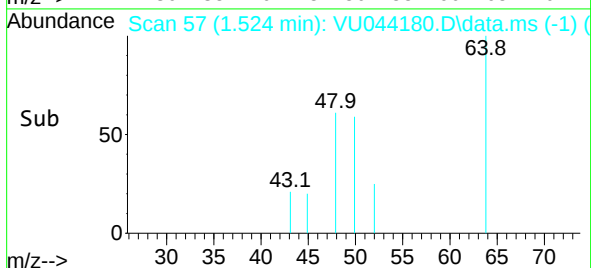
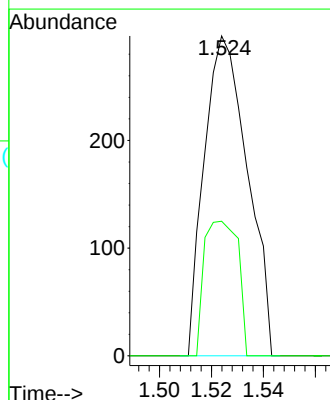
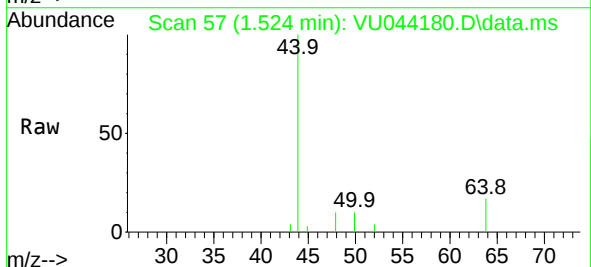
Acq: 14 Jun 2021 14:48

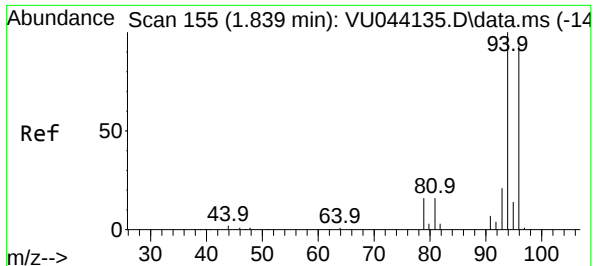
Tgt Ion: 50 Resp: 344

Ion Ratio Lower Upper

50 100

52 42.1 26.6 39.8#

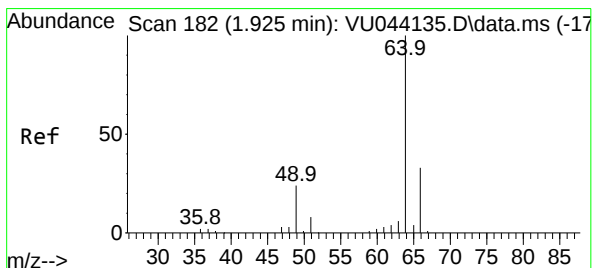
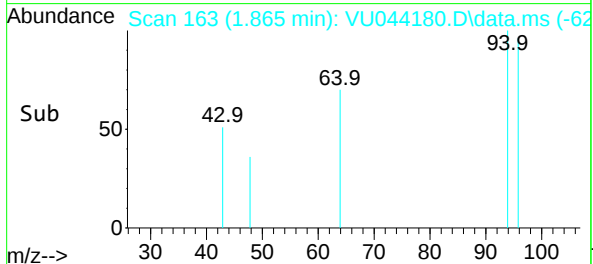
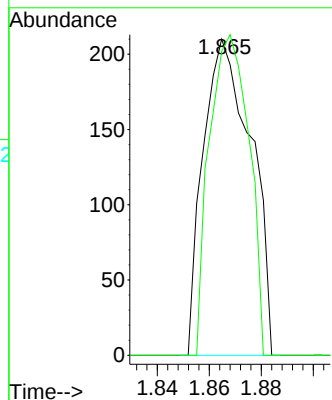
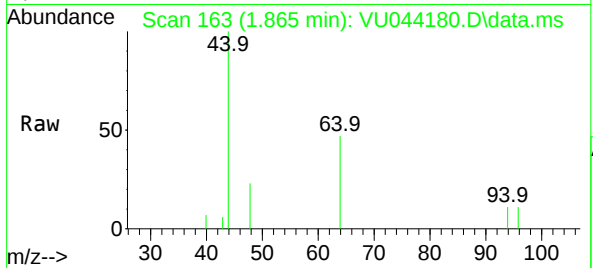




#5
Bromomethane
Concen: 0.242 ug/l
RT: 1.865 min Scan# 163
Delta R.T. 0.026 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

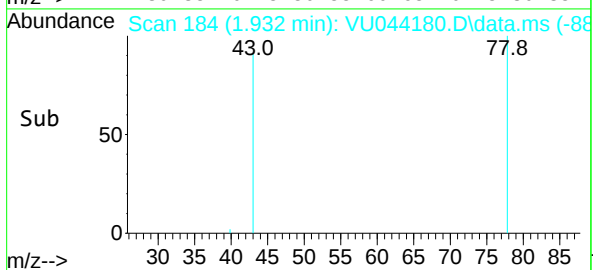
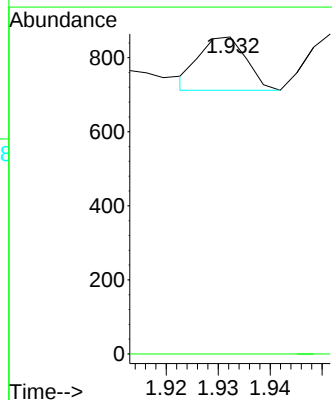
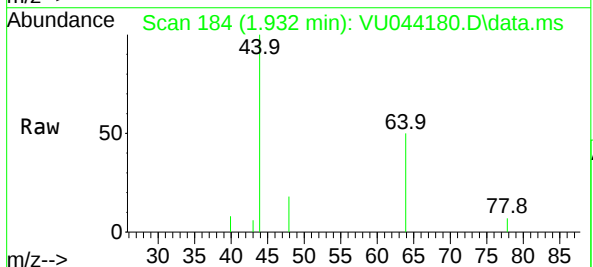
Instrument :
MSVOA_U
ClientSampled :

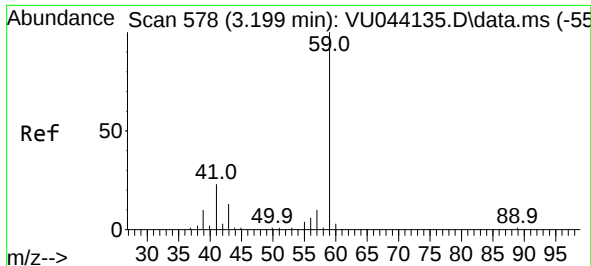
Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 96.2 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. 0.007 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

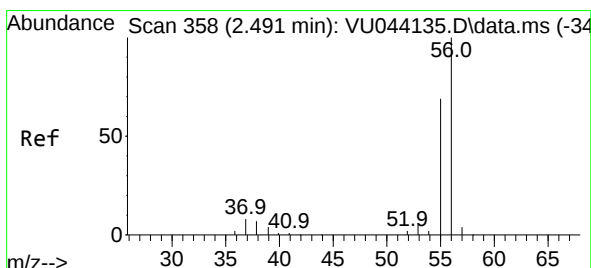
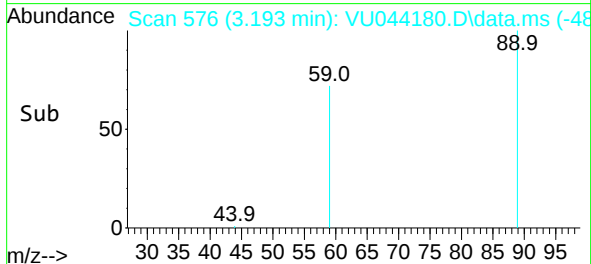
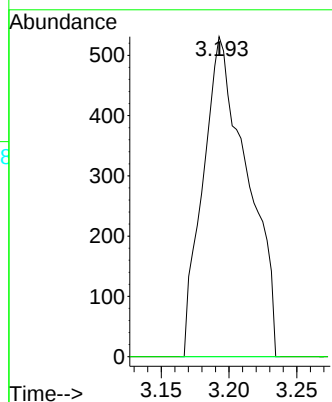
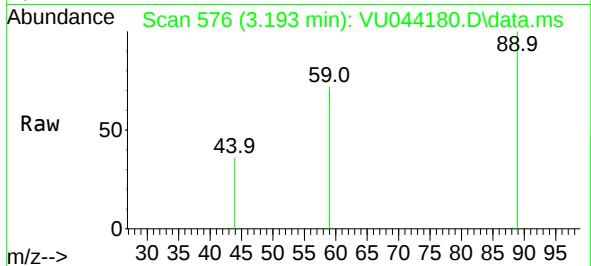




#11
Tert butyl alcohol
Concen: 1.774 ug/l
RT: 3.193 min Scan# 576
Delta R.T. -0.006 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

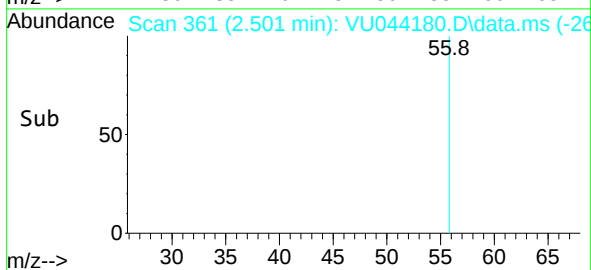
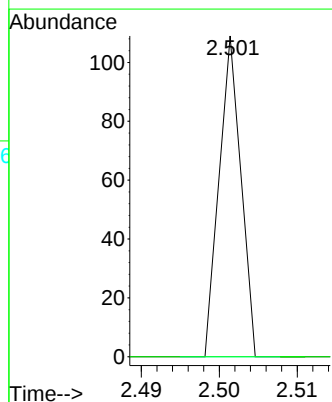
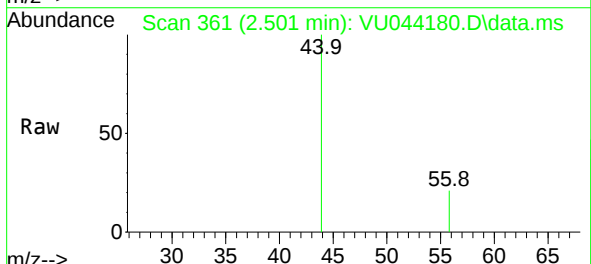
Instrument :
MSVOA_U
ClientSampled :

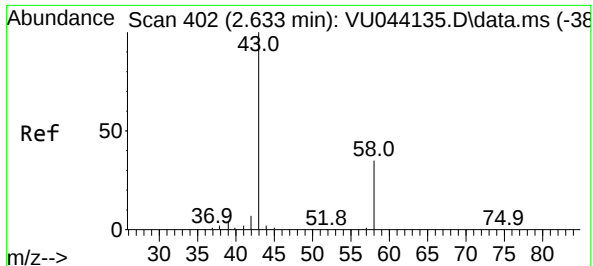
Tgt Ion: 59 Resp: 1212
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: Below Cal
RT: 2.501 min Scan# 361
Delta R.T. 0.010 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

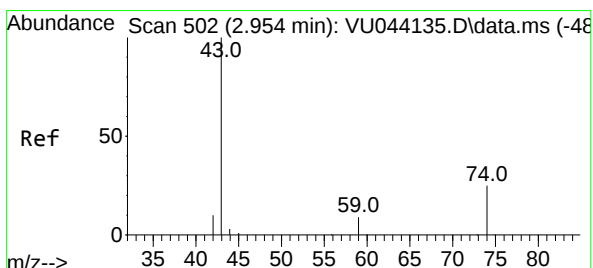
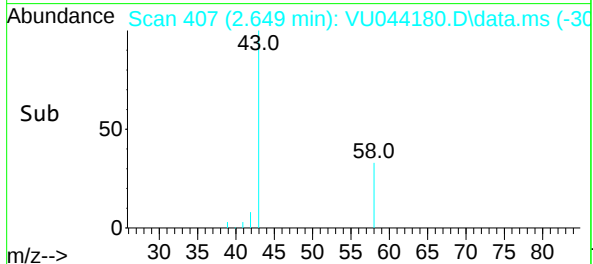
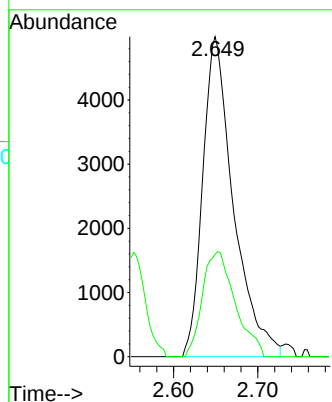
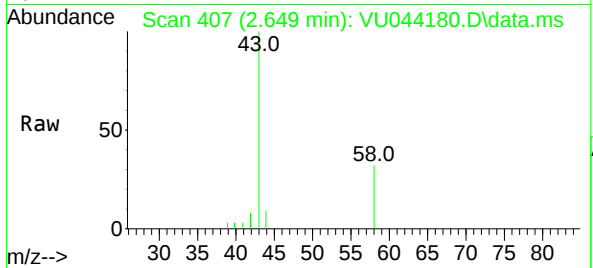




#16
Acetone
Concen: 7.558 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.016 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

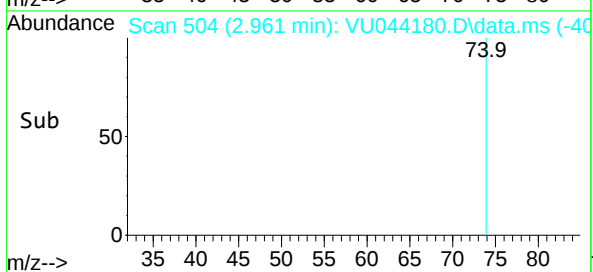
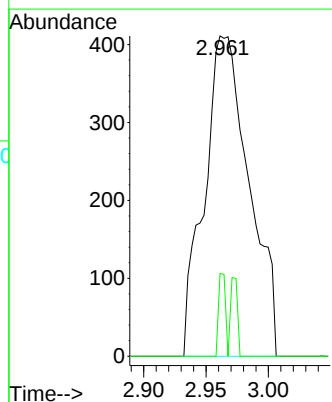
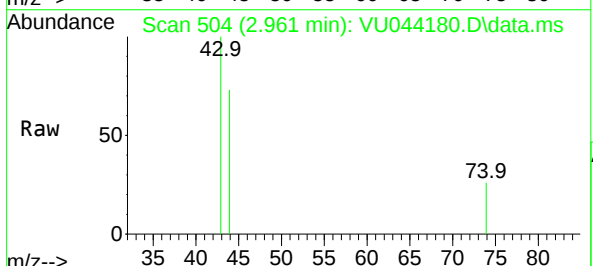
Instrument :
MSVOA_U
ClientSampled :

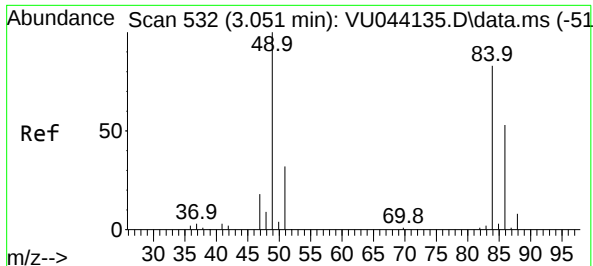
Tgt Ion: 43 Resp: 12637
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.316 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
74 4.0 20.3 30.5#





#20

Methylene Chloride

Concen: 2.507 ug/l

RT: 3.058 min Scan# 534

Delta R.T. 0.007 min

Lab File: VU044180.D

Acq: 14 Jun 2021 14:48

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 84 Resp: 8345

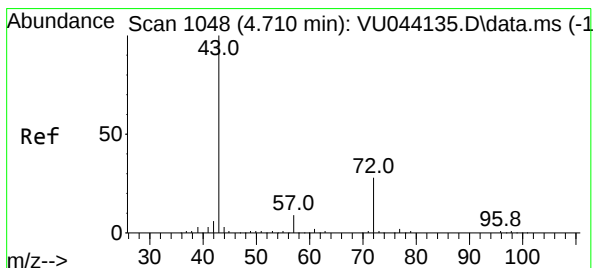
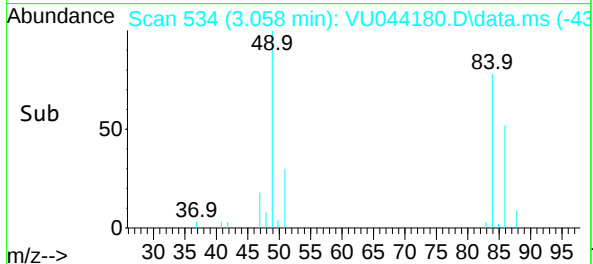
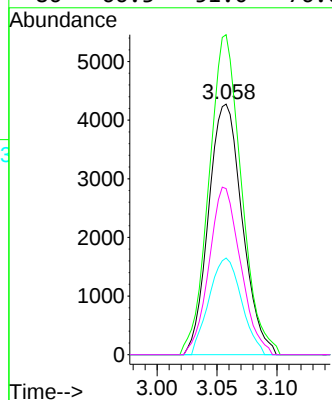
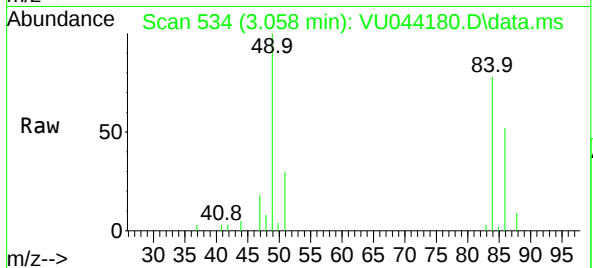
Ion Ratio Lower Upper

84 100

49 127.7 96.9 145.3

51 38.5 31.0 46.6

86 66.3 51.0 76.6



#25

2-Butanone

Concen: 1.950 ug/l

RT: 4.723 min Scan# 1052

Delta R.T. 0.013 min

Lab File: VU044180.D

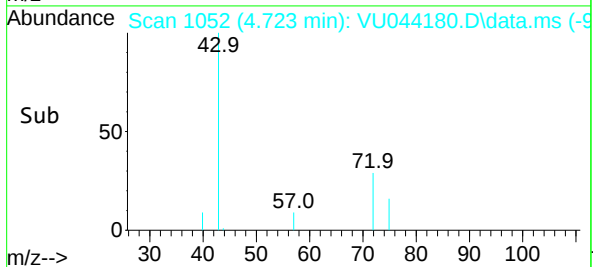
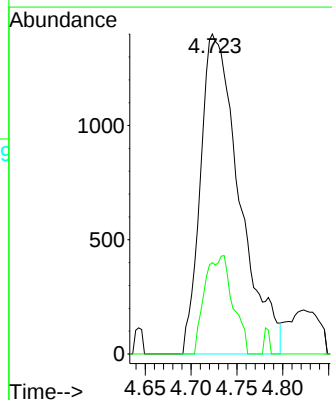
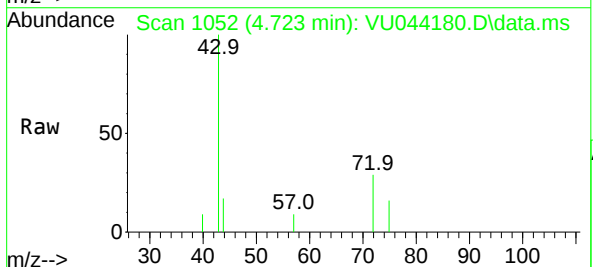
Acq: 14 Jun 2021 14:48

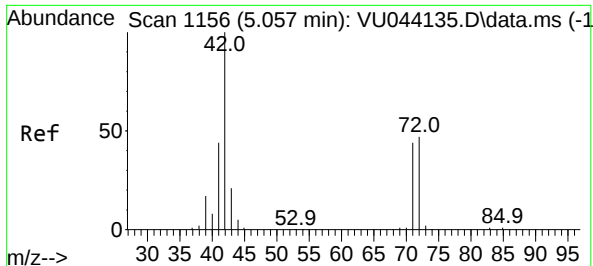
Tgt Ion: 43 Resp: 4134

Ion Ratio Lower Upper

43 100

72 28.6 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.598 ug/l

RT: 5.077 min Scan# 1162

Delta R.T. 0.020 min

Lab File: VU044180.D

Acq: 14 Jun 2021 14:48

Tgt Ion: 42 Resp: 689

Ion Ratio Lower Upper

42 100

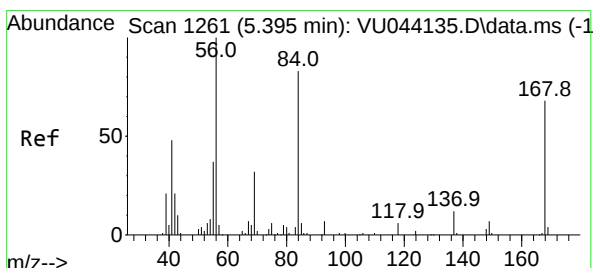
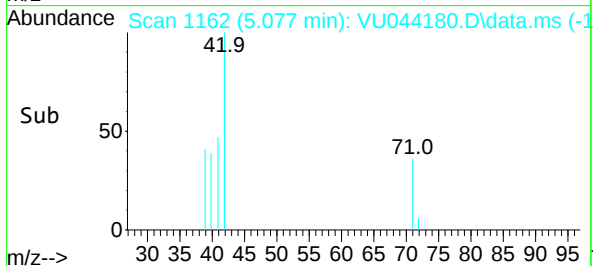
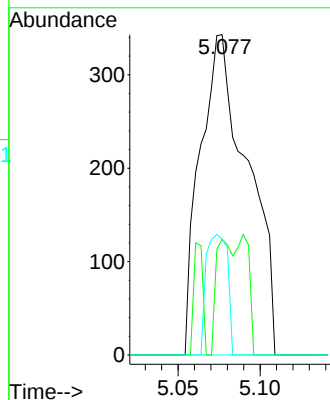
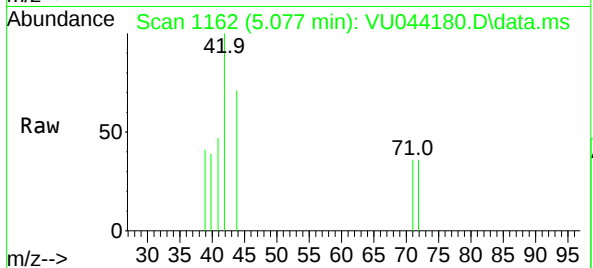
72 12.9 38.6 57.8#

71 16.8 35.5 53.3#

Instrument :

MSVOA_U

ClientSampled :



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU044180.D

Acq: 14 Jun 2021 14:48

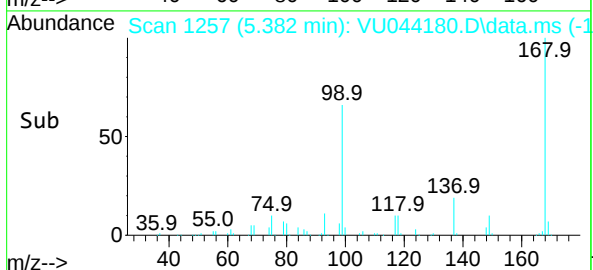
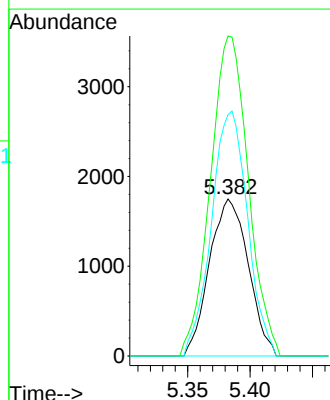
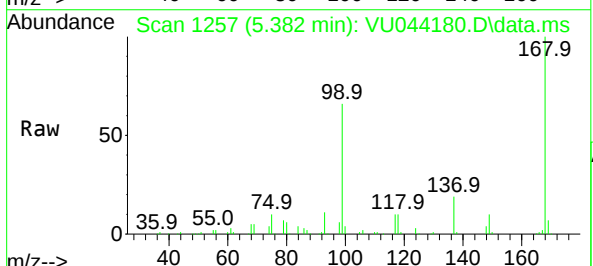
Tgt Ion: 56 Resp: 3790

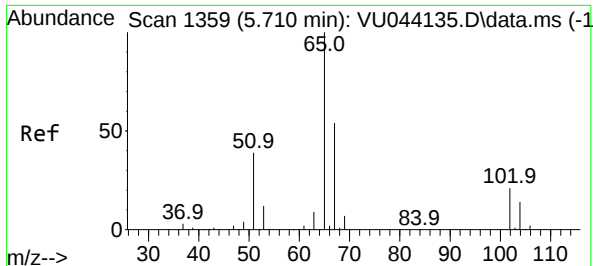
Ion Ratio Lower Upper

56 100

69 203.8 25.5 38.3#

84 153.6 66.3 99.5#



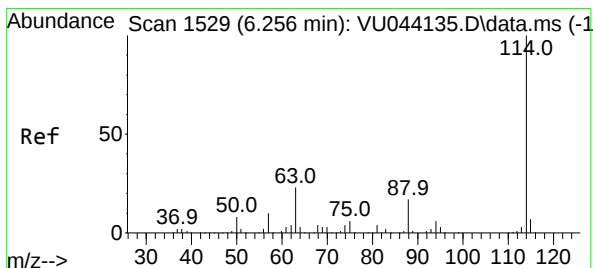
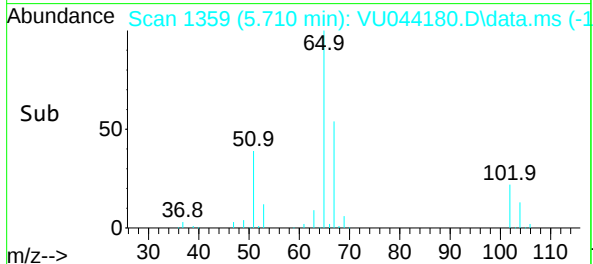
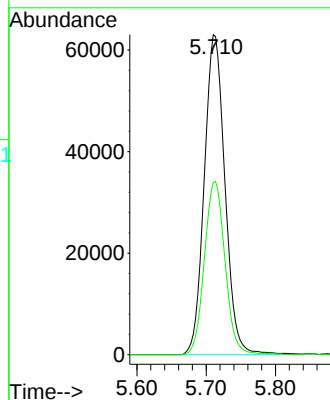
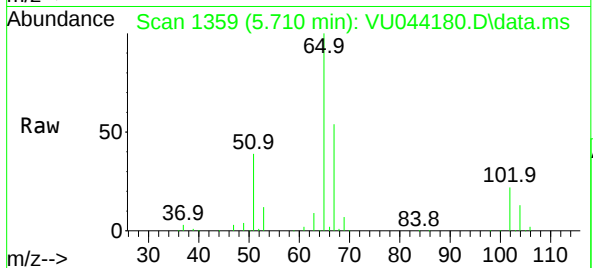


#33

1,2-Dichloroethane-d4
Concen: 51.482 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Instrument :
MSVOA_U
ClientSampled :

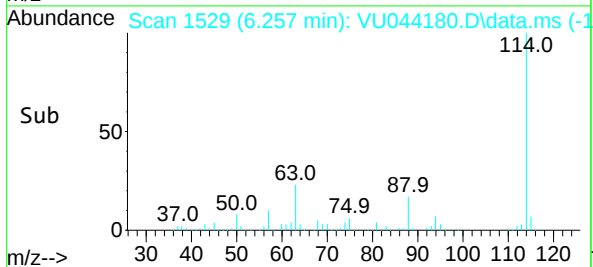
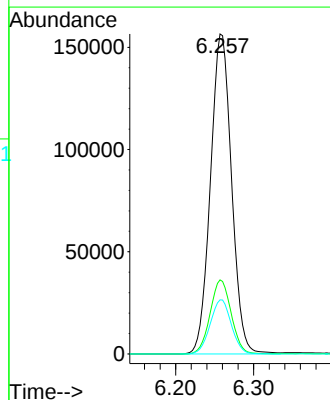
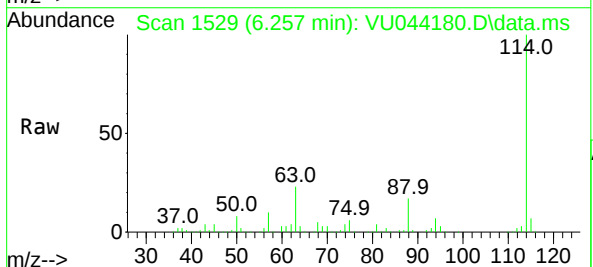
Tgt Ion: 65 Resp: 130777
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6

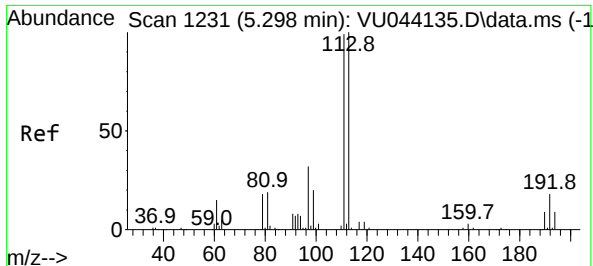


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.257 min Scan# 1529
Delta R.T. 0.001 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

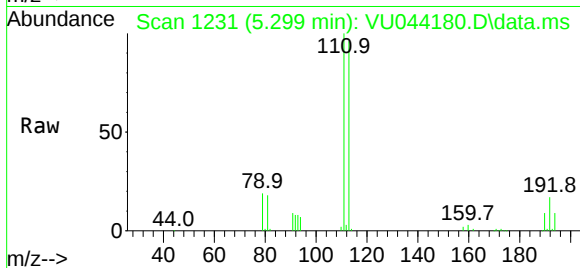
Tgt Ion: 114 Resp: 294610
Ion Ratio Lower Upper
114 100
63 23.2 0.0 45.8
88 16.9 0.0 34.0



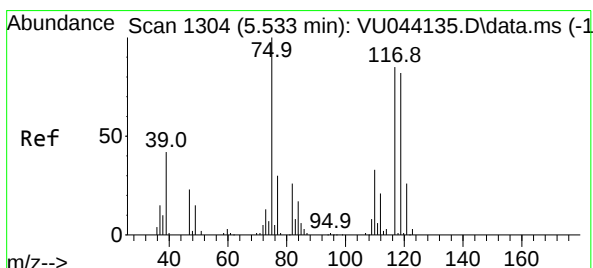
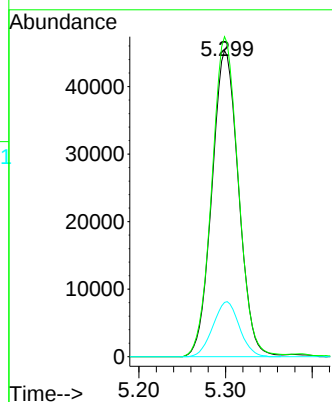
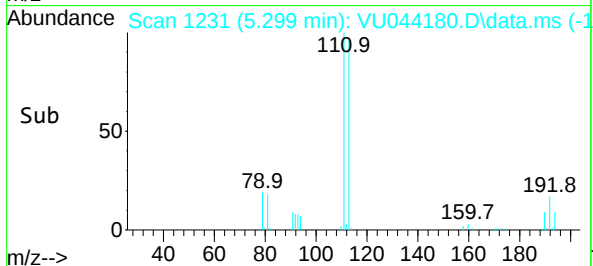


#35
Dibromofluoromethane
Concen: 47.358 ug/l
RT: 5.299 min Scan# 1231
Delta R.T. 0.001 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

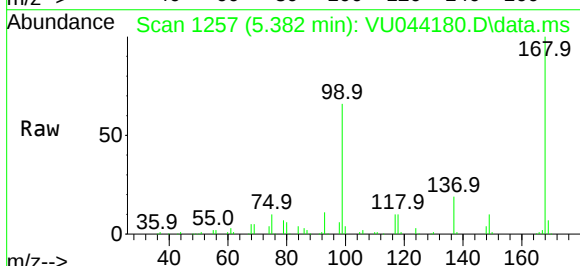
Instrument :
MSVOA_U
ClientSampleId :



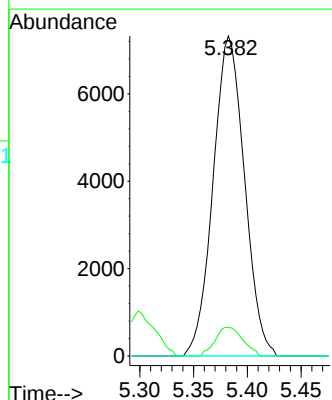
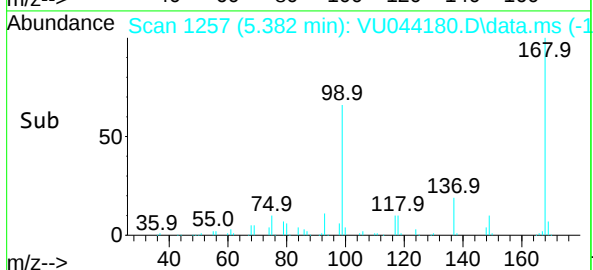
Tgt Ion:113 Resp: 97055
Ion Ratio Lower Upper
113 100
111 103.7 81.0 121.4
192 17.8 14.3 21.5

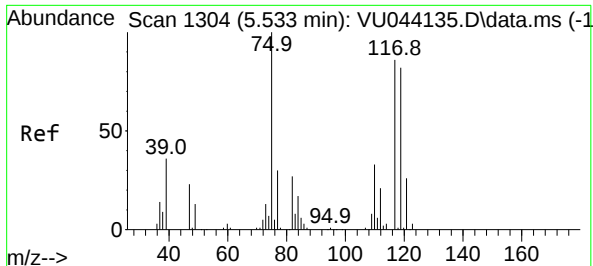


#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48



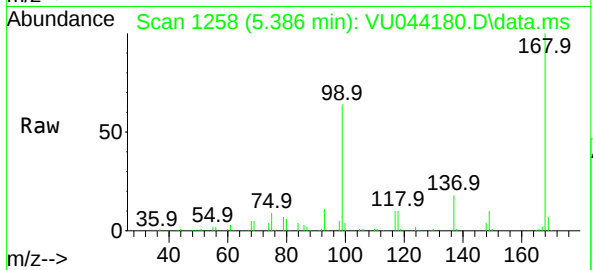
Tgt Ion: 75 Resp: 14850
Ion Ratio Lower Upper
75 100
110 7.9 16.4 49.4#
77 0.0 24.7 37.1#



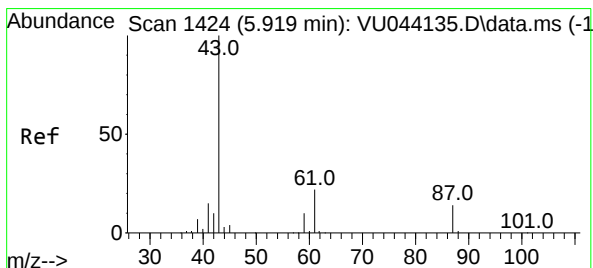
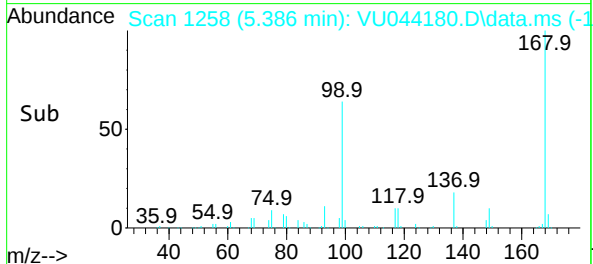
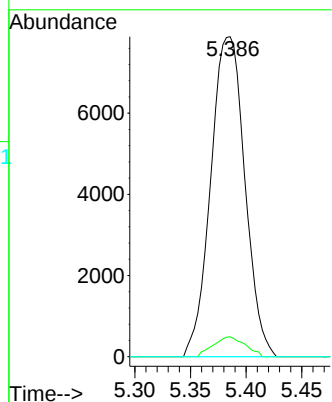


#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 5.386 min Scan# 1258
Delta R.T. -0.147 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Instrument :
MSVOA_U
ClientSampled :

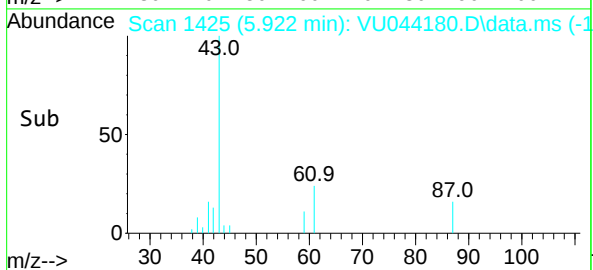
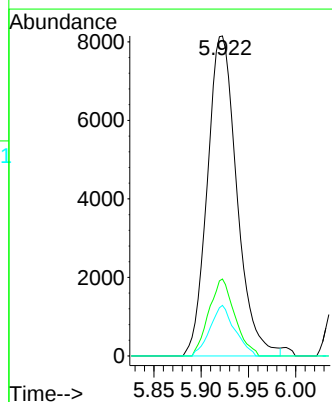
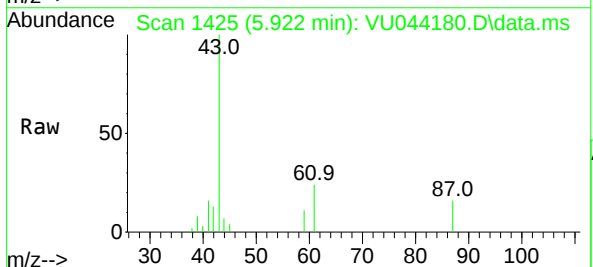


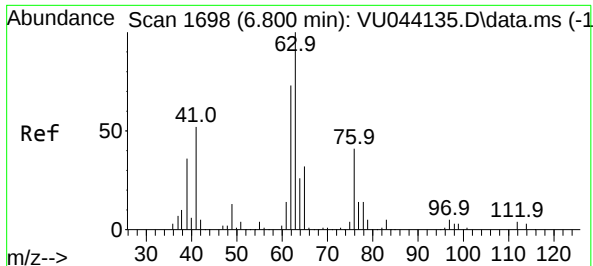
Tgt Ion:117 Resp: 16802
Ion Ratio Lower Upper
117 100
119 6.2 76.6 114.8#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 3.174 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 43 Resp: 17678
Ion Ratio Lower Upper
43 100
61 21.1 17.8 26.8
87 13.2 11.1 16.7



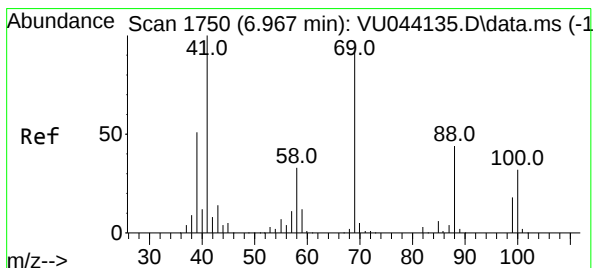
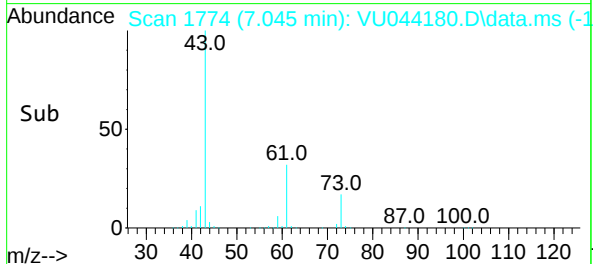
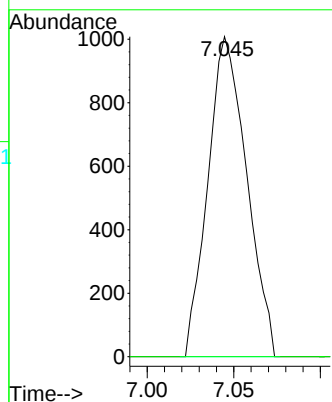
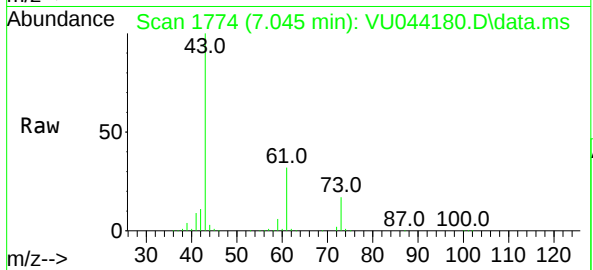


#45

1,2-Dichloropropane
Concen: 0.594 ug/l
RT: 7.045 min Scan# 1774
Delta R.T. 0.245 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Instrument :
MSVOA_U
ClientSampled :

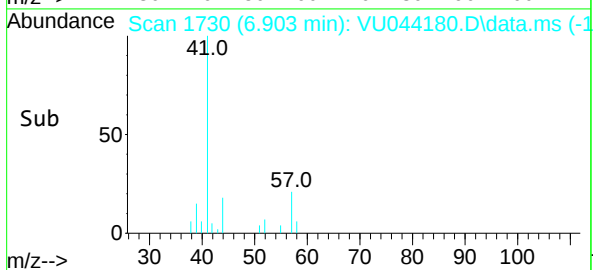
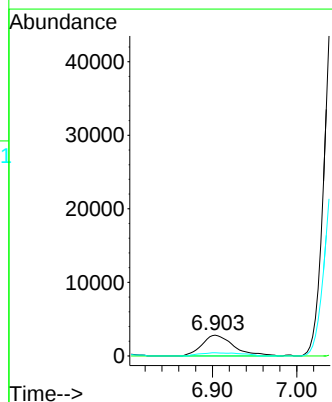
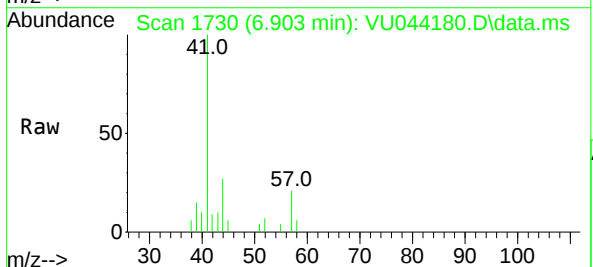
Tgt Ion: 63 Resp: 1567
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

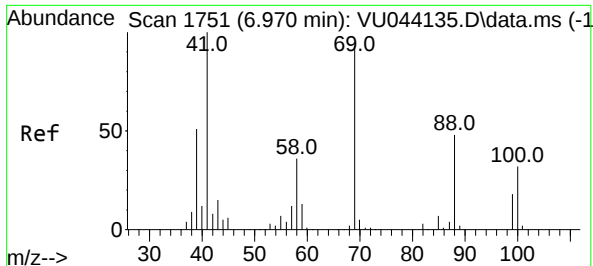


#48

Methyl methacrylate
Concen: 2.732 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 41 Resp: 7404
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: 0.564 ug/l

RT: 7.051 min Scan# 1776

Delta R.T. 0.081 min

Lab File: VU044180.D

Acq: 14 Jun 2021 14:48

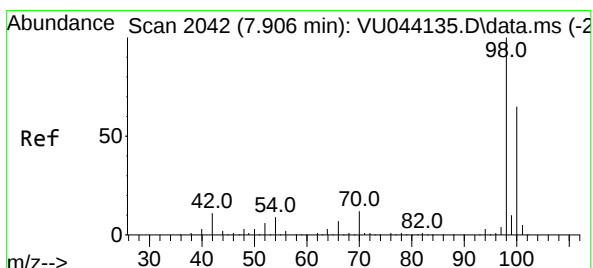
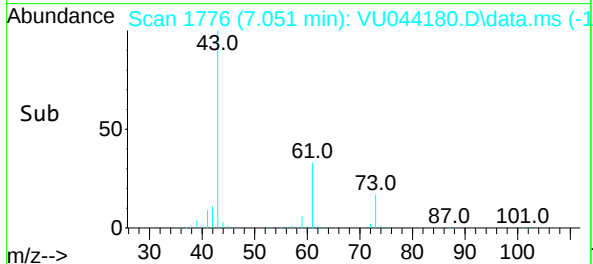
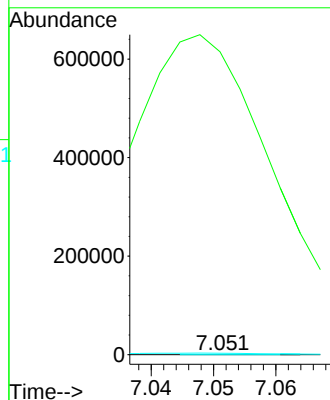
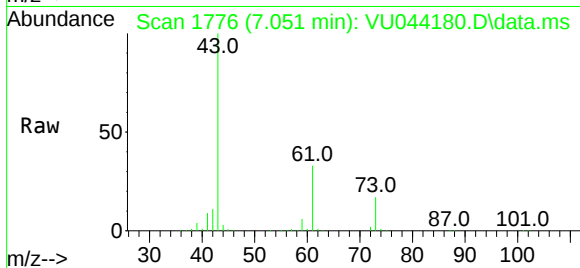
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 2935057.5 23.4 35.0#

58 15717.5 58.1 87.1#



#50

Toluene-d8

Concen: 49.489 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. 0.000 min

Lab File: VU044180.D

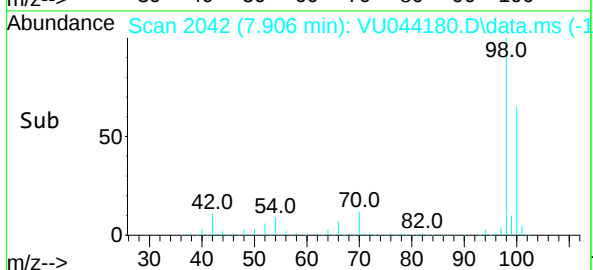
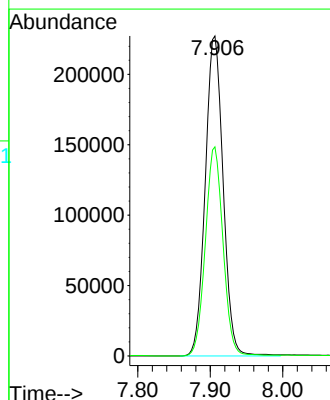
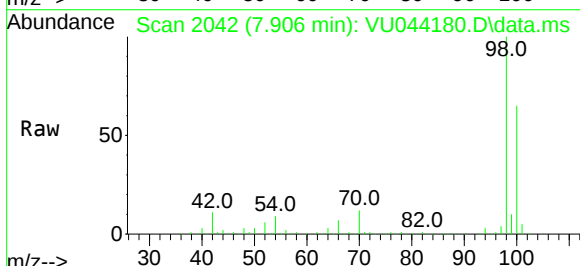
Acq: 14 Jun 2021 14:48

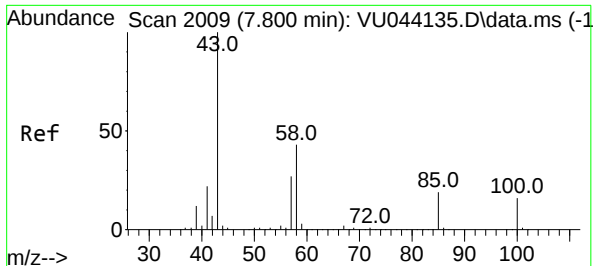
Tgt Ion: 98 Resp: 389509

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4

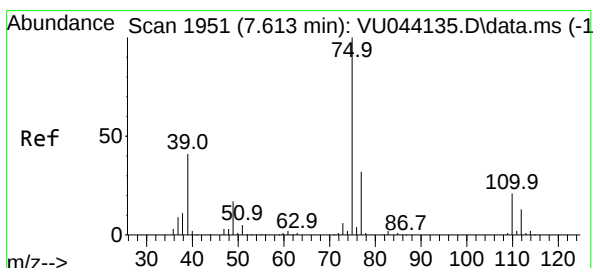
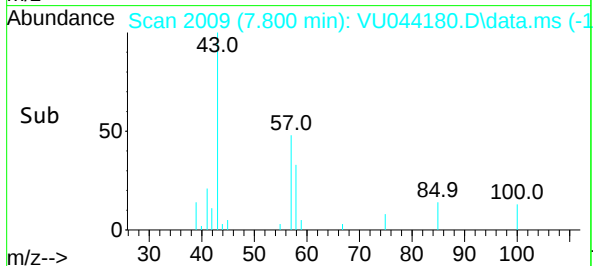
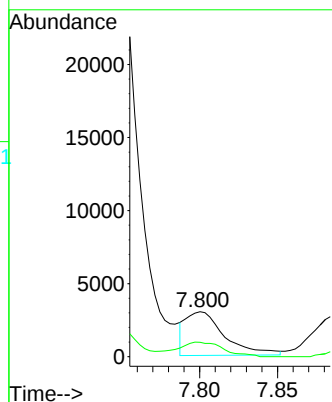
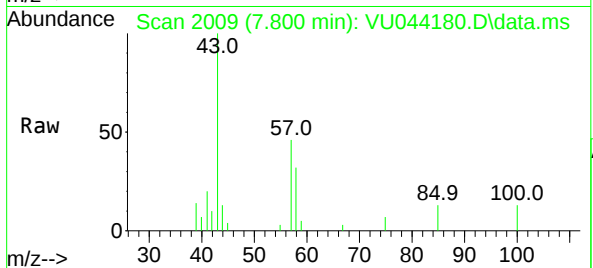




#51
4-Methyl-2-Pentanone
Concen: 1.293 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

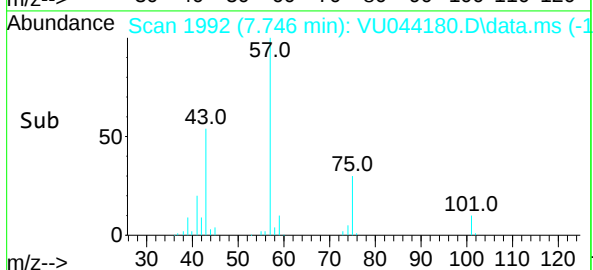
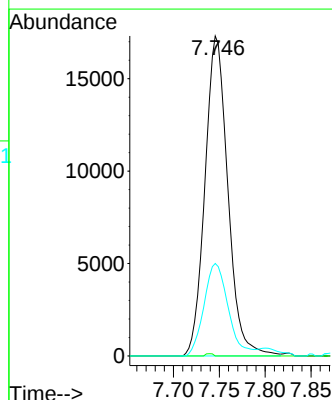
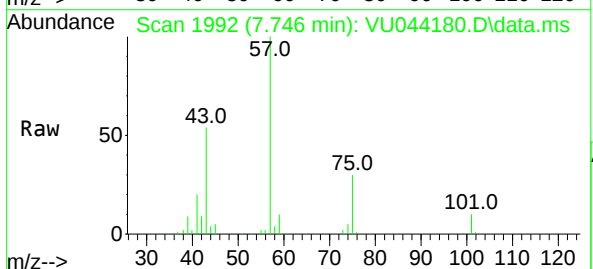
Instrument :
MSVOA_U
ClientSampled :

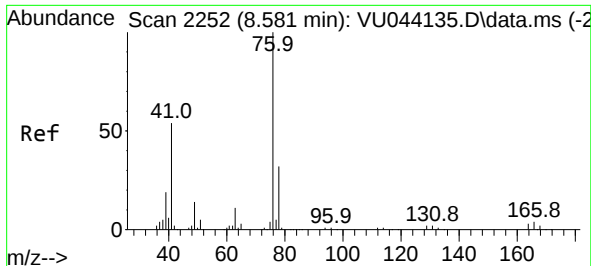
Tgt Ion: 43 Resp: 5212
Ion Ratio Lower Upper
43 100
58 39.1 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.613 ug/l
RT: 7.746 min Scan# 1992
Delta R.T. 0.133 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 75 Resp: 30075
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 28.9 33.2 49.8#



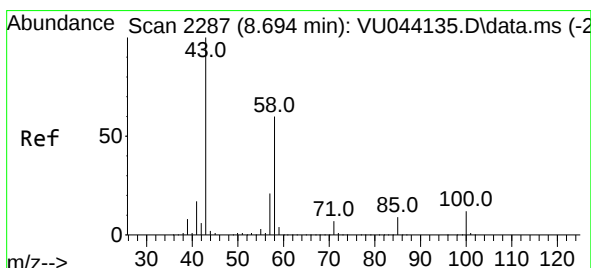
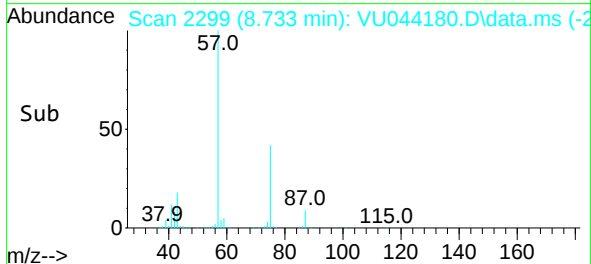
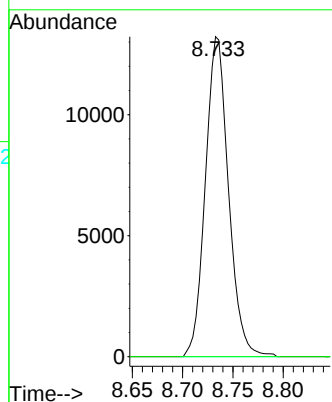
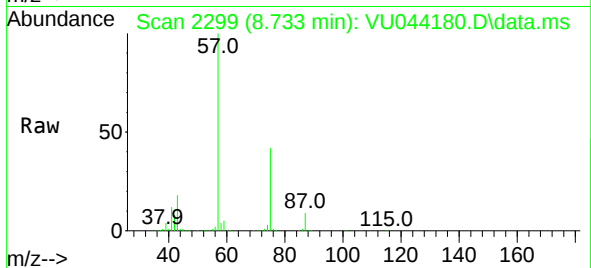


#57

1,3-Dichloropropane
Concen: 4.938 ug/l
RT: 8.733 min Scan# 2299
Delta R.T. 0.152 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Instrument :
MSVOA_U
ClientSampled :

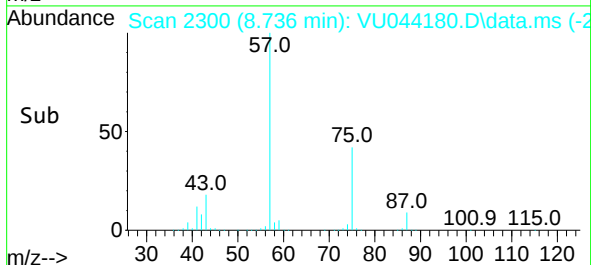
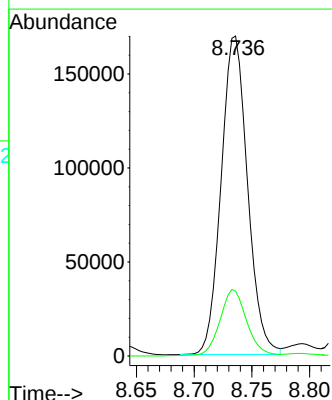
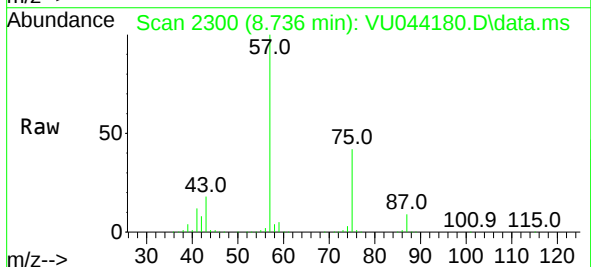
Tgt Ion: 76 Resp: 21183
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

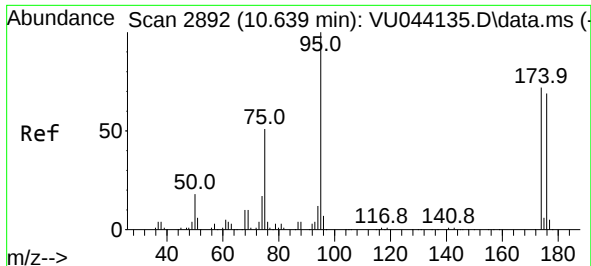


#59

2-Hexanone
Concen: 83.857 ug/l
RT: 8.736 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 43 Resp: 269742
Ion Ratio Lower Upper
43 100
58 21.3 30.0 90.1#

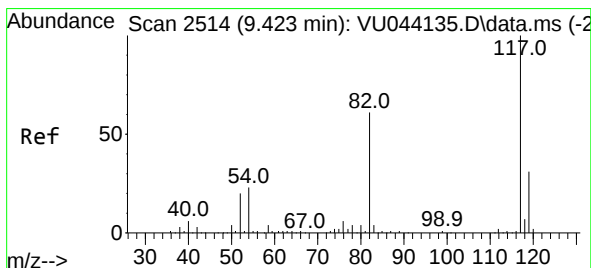
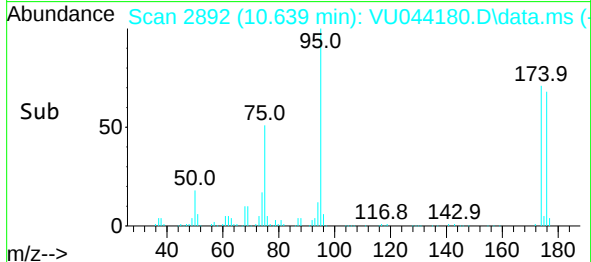
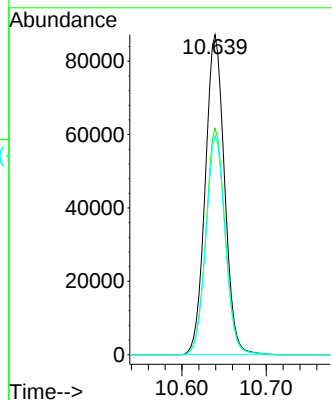
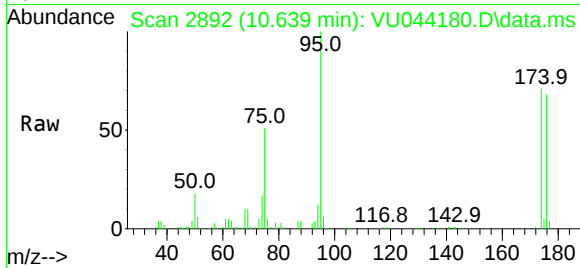




#62
4-Bromofluorobenzene
Concen: 43.937 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.000 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

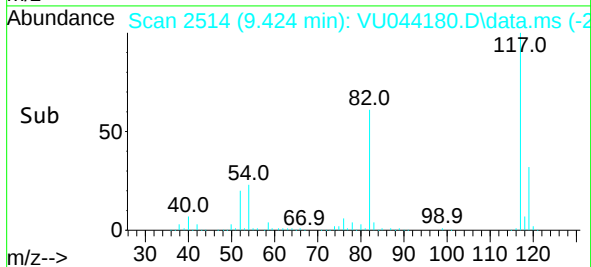
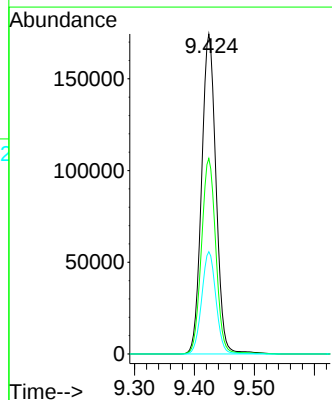
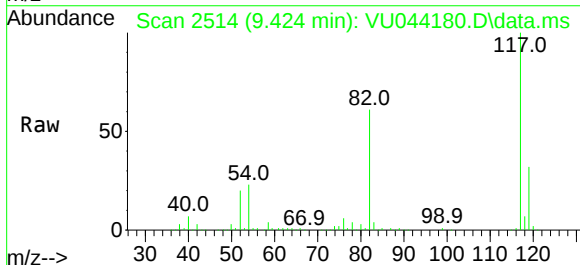
Instrument :
MSVOA_U
ClientSampleId :

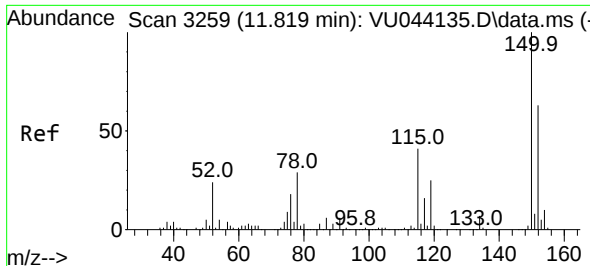
Tgt Ion: 95 Resp: 138584
Ion Ratio Lower Upper
95 100
174 71.1 0.0 144.4
176 68.6 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.001 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Tgt Ion: 117 Resp: 292468
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 32.0 25.0 37.6

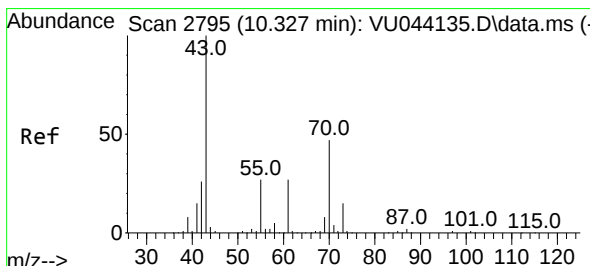
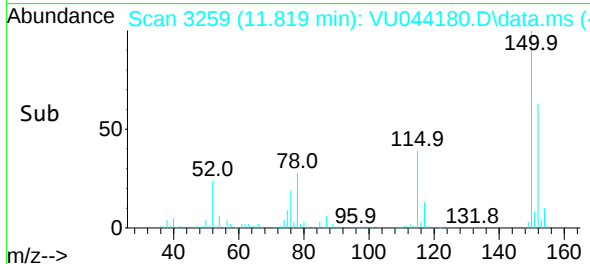
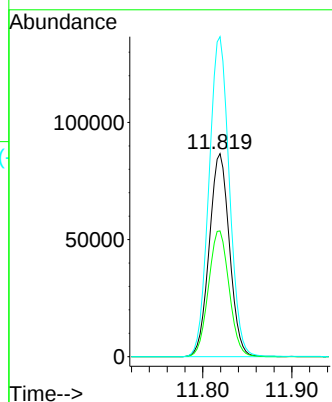
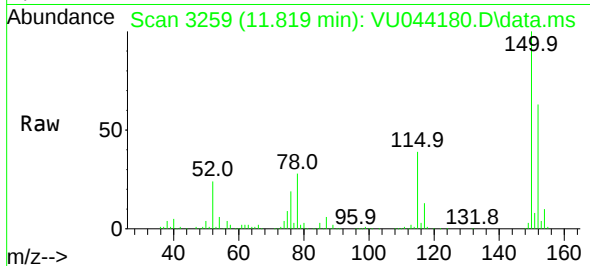




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.001 min
 Lab File: VU044180.D
 Acq: 14 Jun 2021 14:48

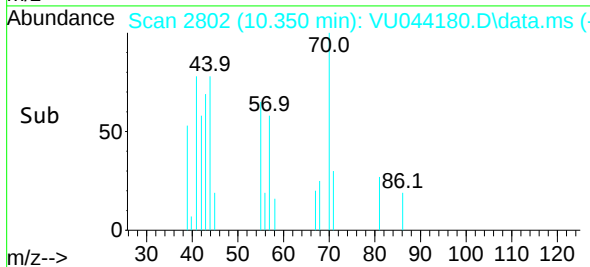
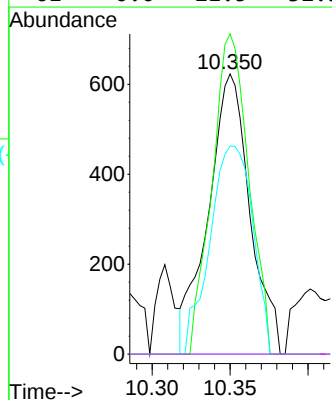
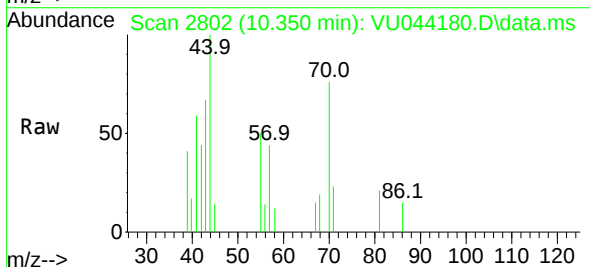
Instrument :
 MSVOA_U
 ClientSampled :

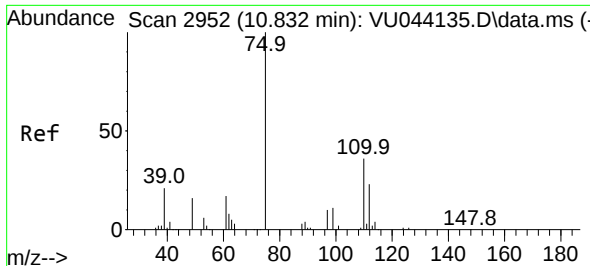
Tgt Ion:152 Resp: 136554
 Ion Ratio Lower Upper
 152 100
 115 63.3 43.8 131.3
 150 159.0 0.0 350.6



#74
 N-ethyl acetate
 Concen: 0.283 ug/l
 RT: 10.350 min Scan# 2802
 Delta R.T. 0.023 min
 Lab File: VU044180.D
 Acq: 14 Jun 2021 14:48

Tgt Ion: 43 Resp: 1161
 Ion Ratio Lower Upper
 43 100
 70 100.3 37.7 56.5#
 55 76.1 22.4 33.6#
 61 0.0 21.5 32.3#

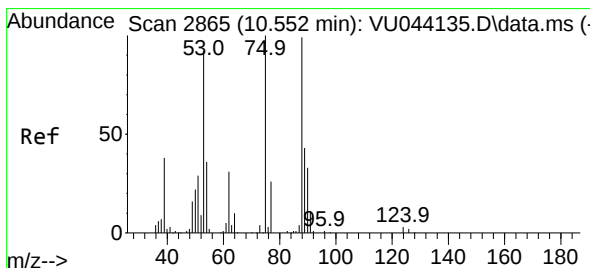
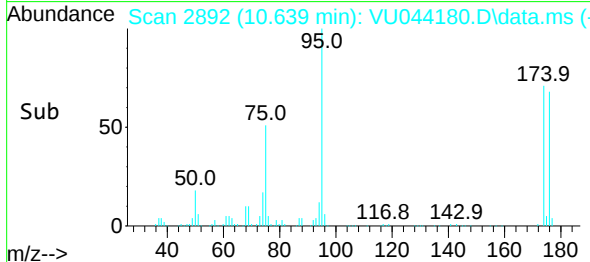
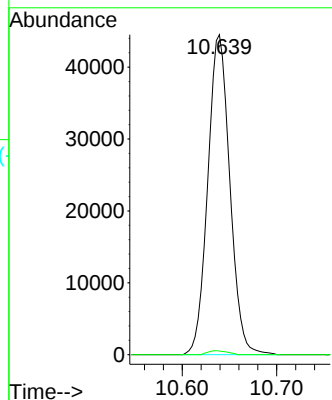
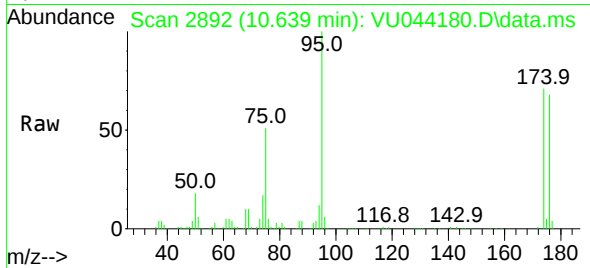




#76
1,2,3-Trichloropropane
Concen: 15.768 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

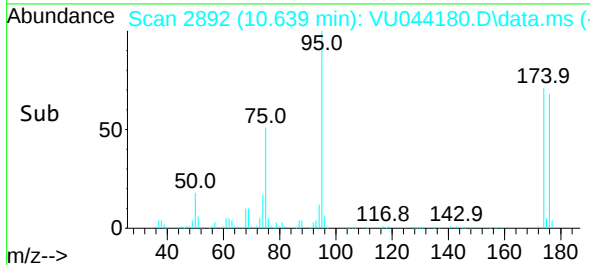
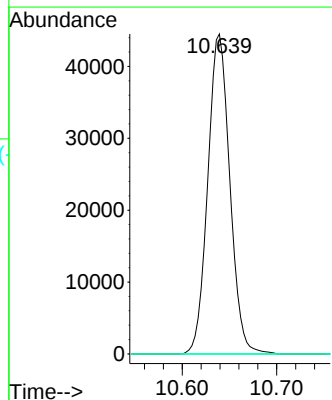
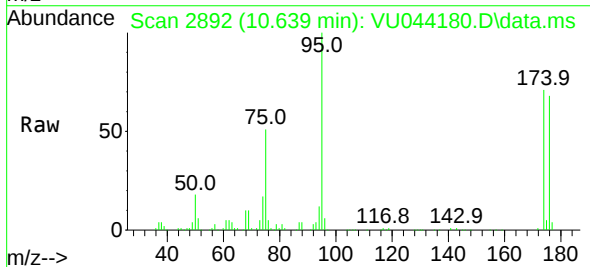
Instrument :
MSVOA_U
ClientSampled :

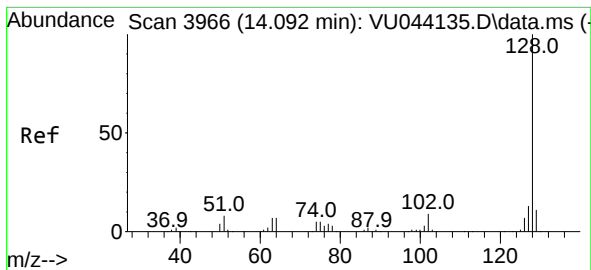
Tgt Ion: 75 Resp: 72194
Ion Ratio Lower Upper
75 100
77 1.1 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.160 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

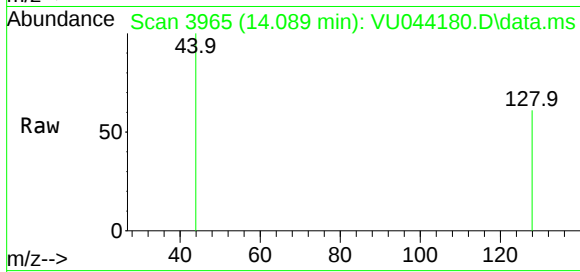
Tgt Ion: 75 Resp: 72194
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
Naphthalene
Concen: 2.901 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU044180.D
Acq: 14 Jun 2021 14:48

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 663
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

