

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044177.D
 Acq On : 14 Jun 2021 13:38
 Operator : SY/MD
 Sample : M2672-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:44:25 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)

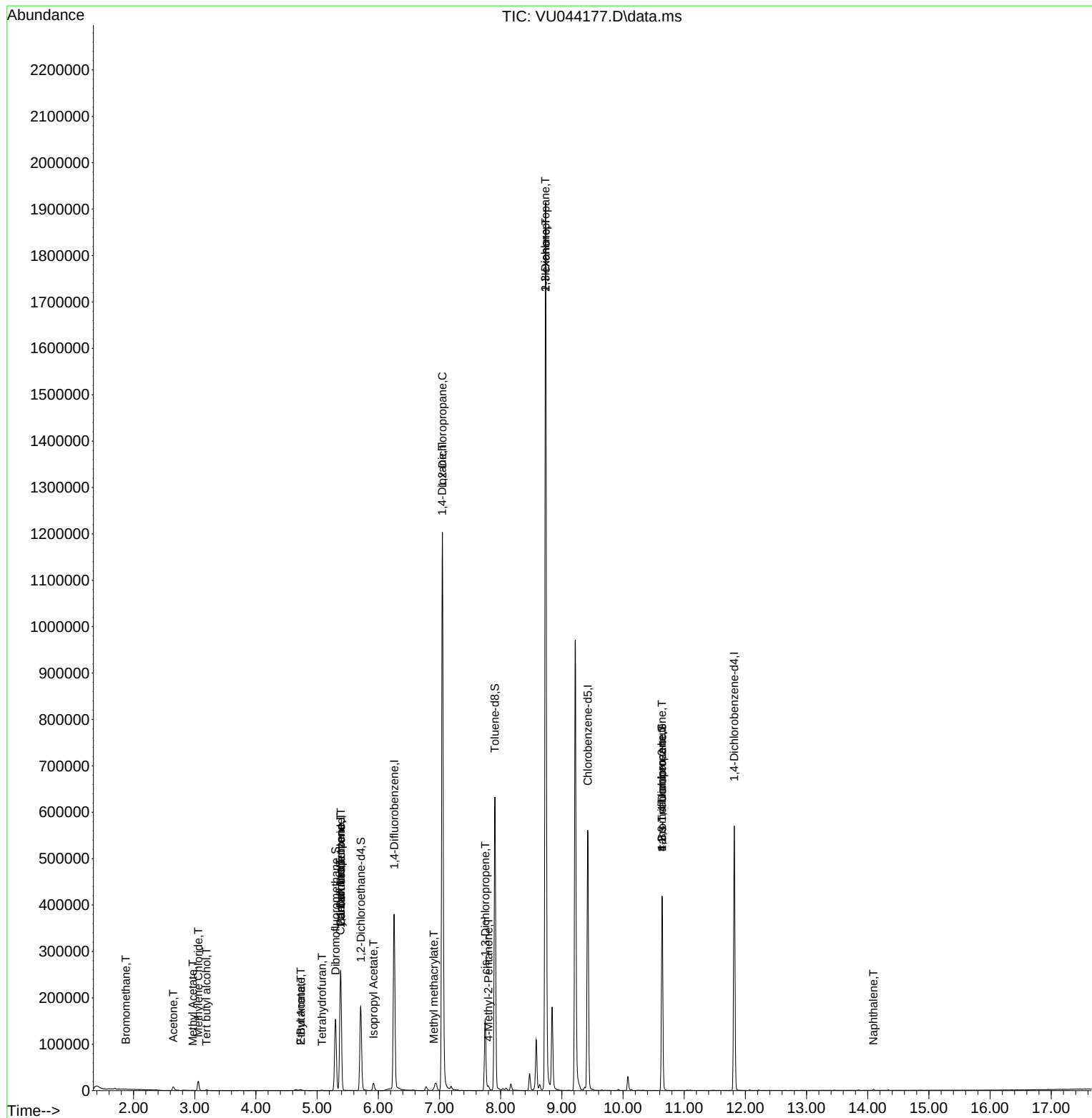
Internal Standards						
1) Pentafluorobenzene	5.385	168	167638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	294131	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	302646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	140489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	135569	50.853	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.700%	
35) Dibromofluoromethane	5.301	113	99631	48.694	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.380%	
50) Toluene-d8	7.906	98	403605	51.363	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.720%	
62) 4-Bromofluorobenzene	10.639	95	146338	46.471	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	366	Below Cal		95
5) Bromomethane	1.874	94	397	0.341	ug/l	90
6) Chloroethane	1.916	64	115	Below Cal	#	42
11) Tert butyl alcohol	3.189	59	1224	1.707	ug/l #	73
16) Acetone	2.649	43	12955	7.333	ug/l	96
18) Methyl Acetate	2.967	43	892	0.260	ug/l #	50
20) Methylene Chloride	3.057	84	9589	2.861	ug/l	93
25) 2-Butanone	4.732	43	4173	1.875	ug/l	99
29) Tetrahydrofuran	5.079	42	737	0.609	ug/l #	52
31) Cyclohexane	5.378	56	3904	1.038	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	15057	4.601	ug/l #	50
37) Ethyl Acetate	4.732	43	4173	1.065	ug/l #	67
38) Carbon Tetrachloride	5.385	117	17956	6.078	ug/l #	17
43) Isopropyl Acetate	5.922	43	17655	3.175	ug/l	99
45) 1,2-Dichloropropane	7.047	63	1492	0.566	ug/l #	43
48) Methyl methacrylate	6.909	41	6366	2.353	ug/l #	11
49) 1,4-Dioxane	7.044	88	116	1.639	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	5125	1.274	ug/l	94
54) cis-1,3-Dichloropropene	7.748	75	29488	7.477	ug/l #	65
57) 1,3-Dichloropropane	8.732	76	20844	4.867	ug/l #	42
59) 2-Hexanone	8.735	43	270897	84.353	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	73781	15.664	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	73781	56.781	ug/l #	13
95) Naphthalene	14.092	128	2720	3.096	ug/l #	89

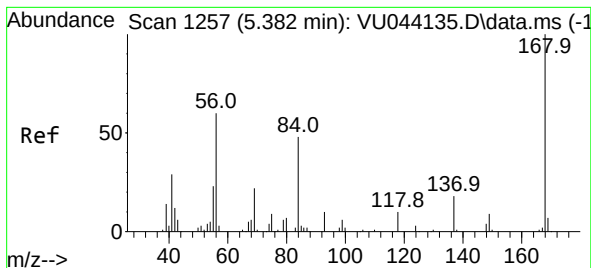
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU044177.D

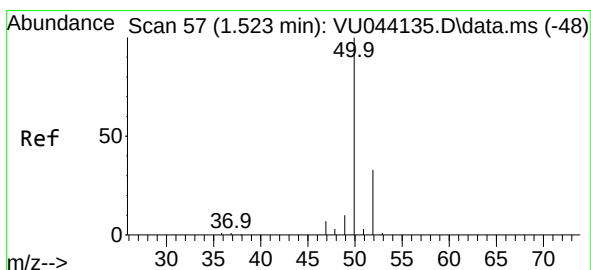
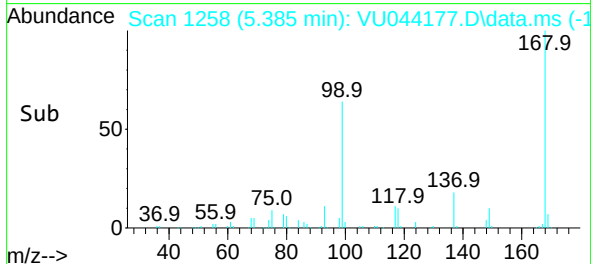
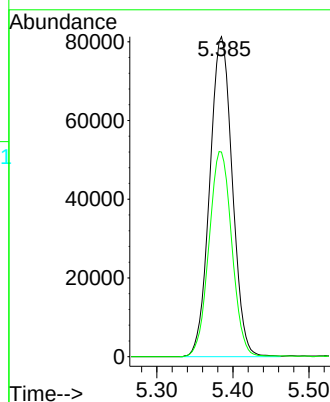
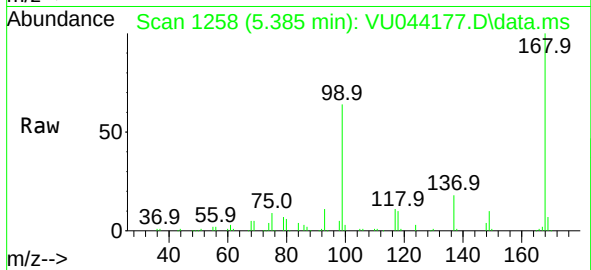
Acq: 14 Jun 2021 13:38

Tgt Ion:168 Resp: 167638

Ion Ratio Lower Upper

168 100

99 64.0 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.527 min Scan# 58

Delta R.T. 0.004 min

Lab File: VU044177.D

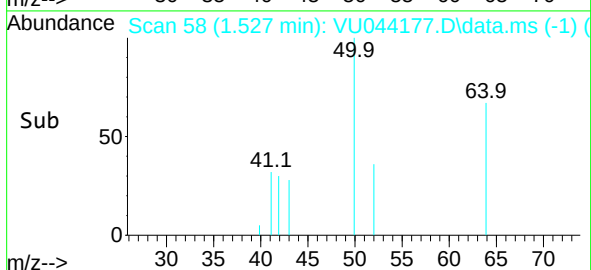
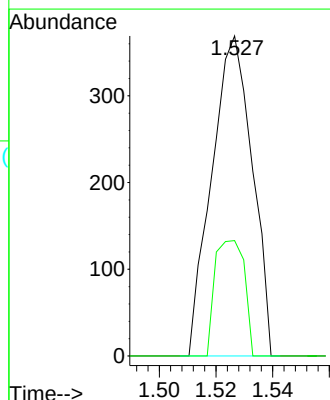
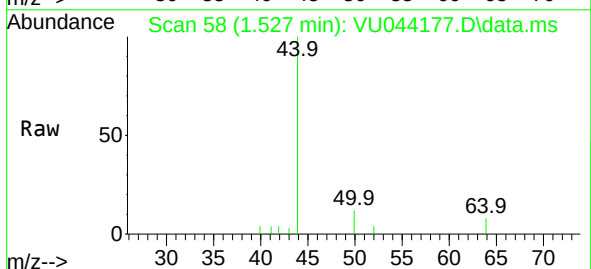
Acq: 14 Jun 2021 13:38

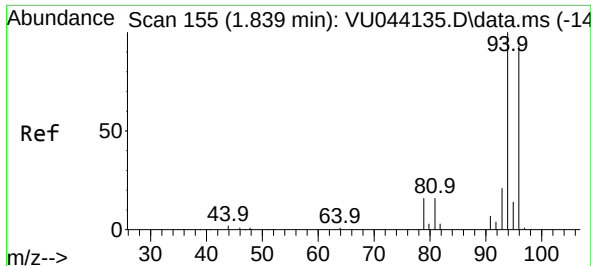
Tgt Ion: 50 Resp: 366

Ion Ratio Lower Upper

50 100

52 36.0 26.6 39.8





#5

Bromomethane

Concen: 0.341 ug/l

RT: 1.874 min Scan# 166

Delta R.T. 0.035 min

Lab File: VU044177.D

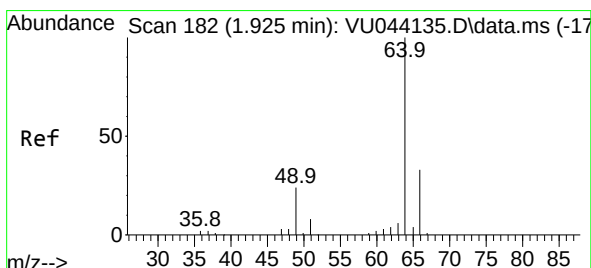
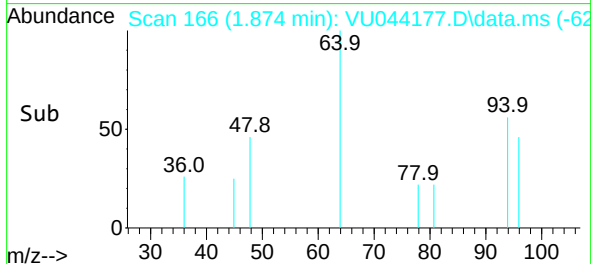
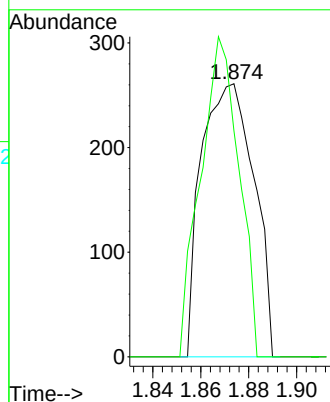
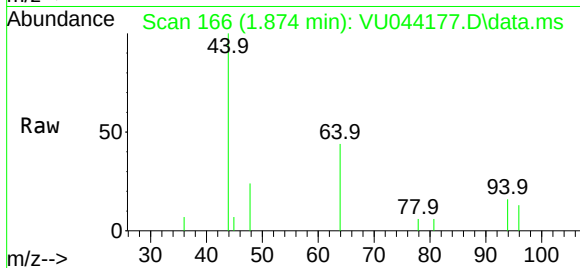
Acq: 14 Jun 2021 13:38

Tgt Ion: 94 Resp: 397

Ion Ratio Lower Upper

94 100

96 82.8 74.1 111.1



#6

Chloroethane

Concen: Below Cal

RT: 1.916 min Scan# 179

Delta R.T. -0.009 min

Lab File: VU044177.D

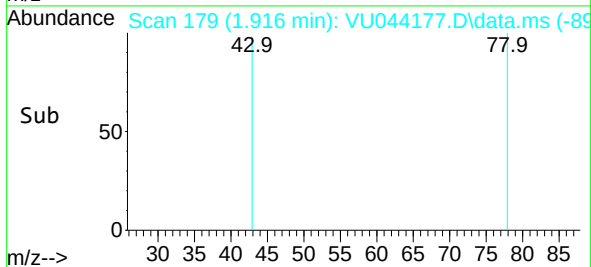
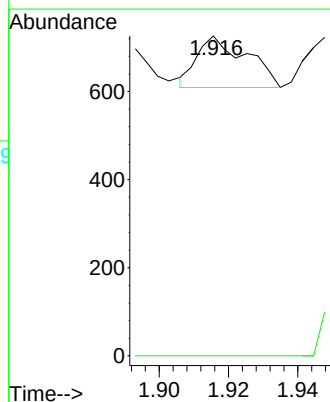
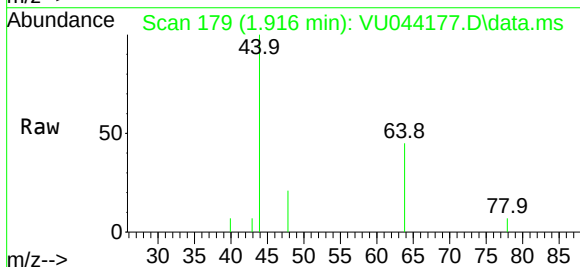
Acq: 14 Jun 2021 13:38

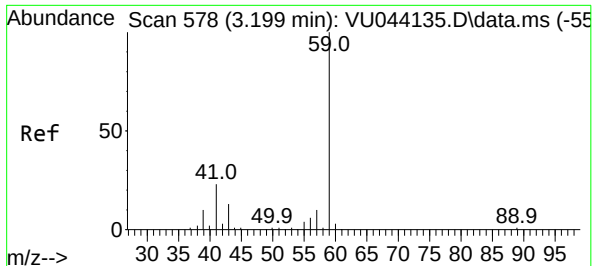
Tgt Ion: 64 Resp: 115

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

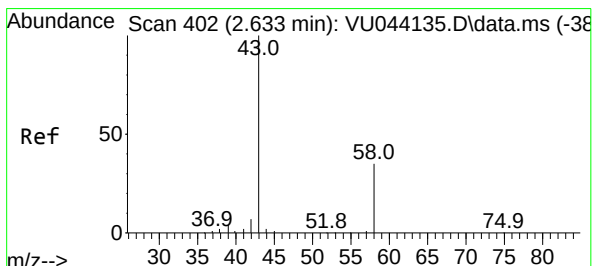
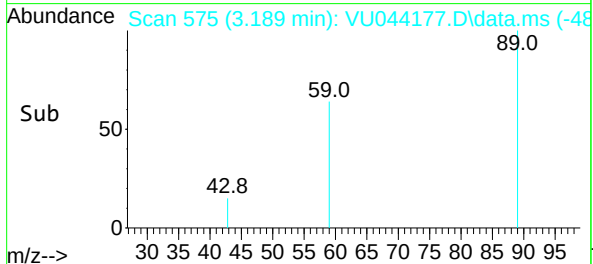
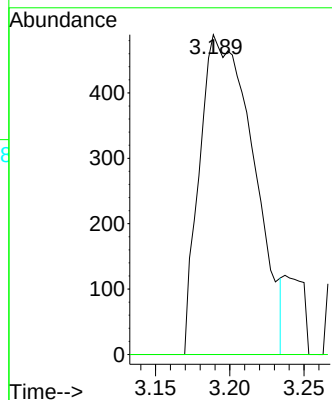
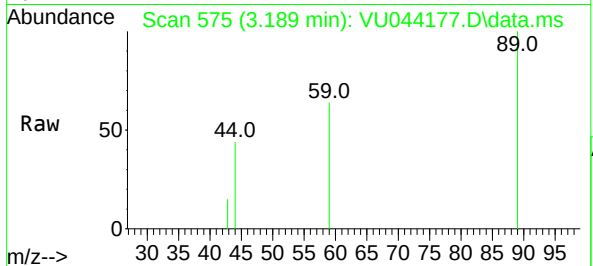




#11
Tert butyl alcohol
Concen: 1.707 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.010 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

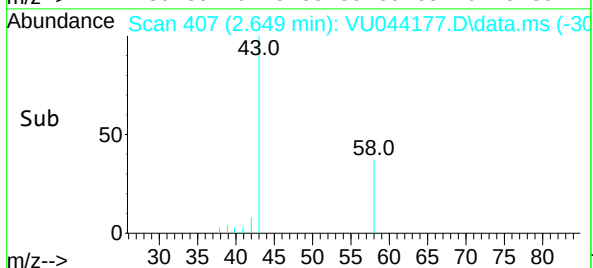
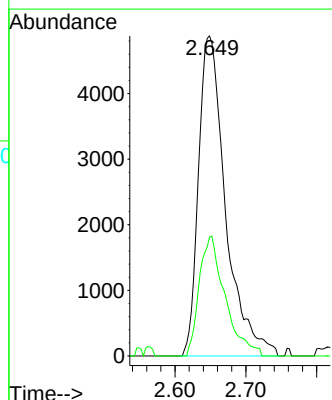
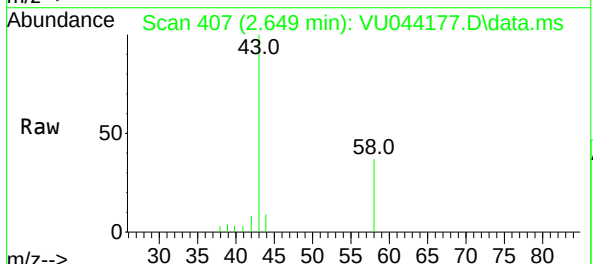
Instrument :
MSVOA_U
ClientSampled :

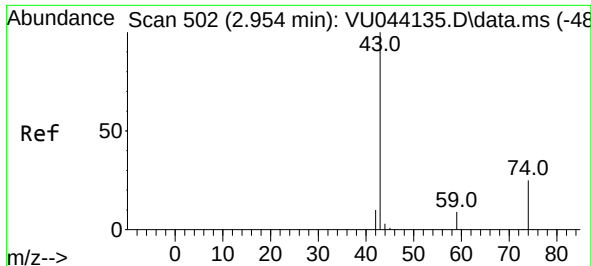
Tgt Ion: 59 Resp: 1224
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 7.333 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.016 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 43 Resp: 12955
Ion Ratio Lower Upper
43 100
58 37.1 28.0 42.0

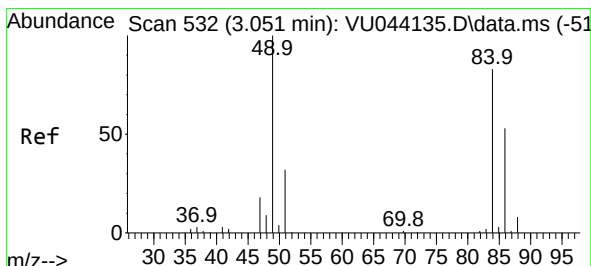
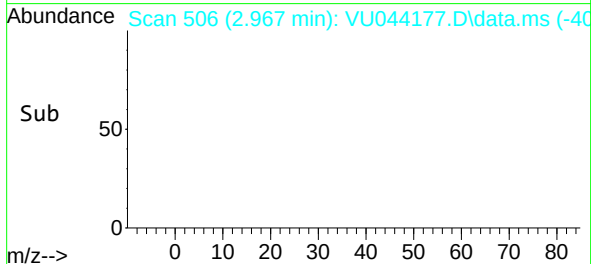
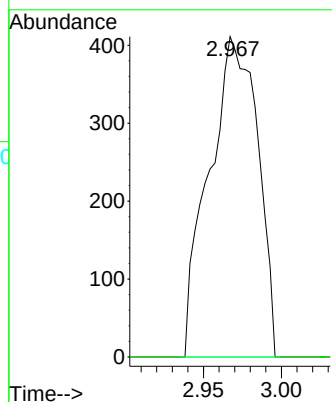
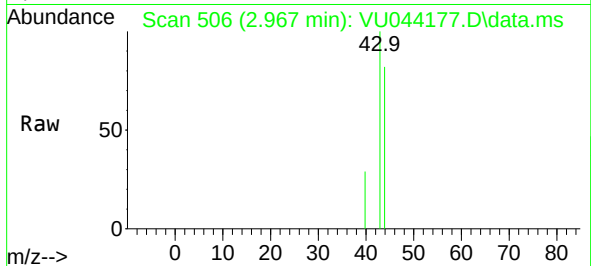




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.013 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

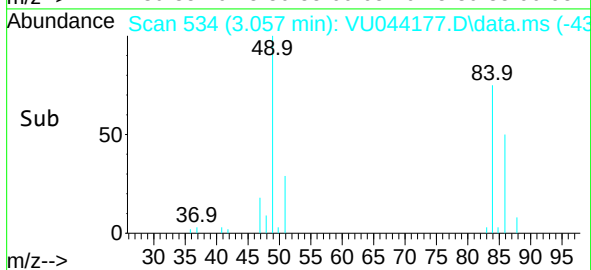
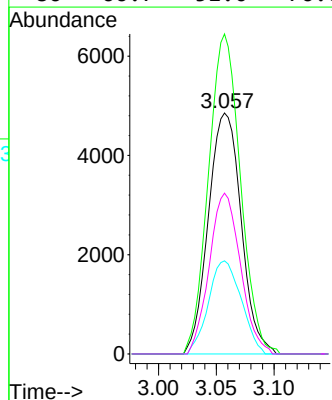
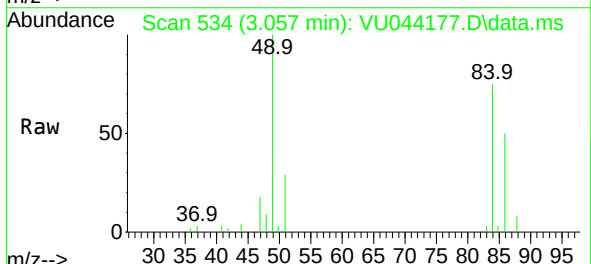
Instrument :
MSVOA_U
ClientSampled :

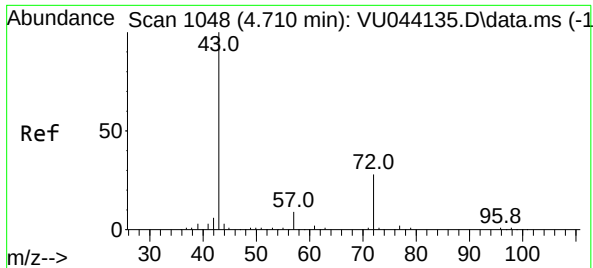
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 2.861 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 84 Resp: 9589
Ion Ratio Lower Upper
84 100
49 132.8 96.9 145.3
51 38.6 31.0 46.6
86 66.7 51.0 76.6

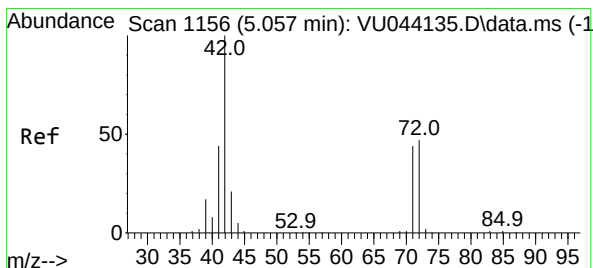
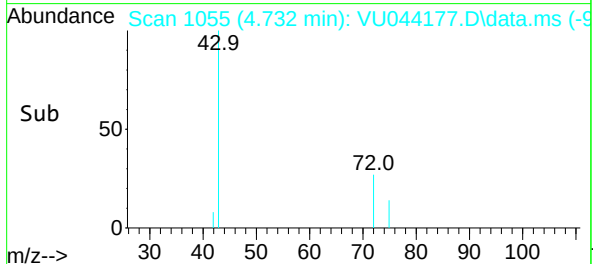
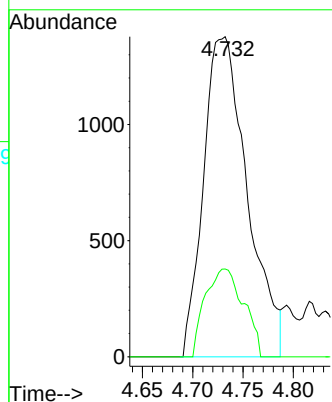
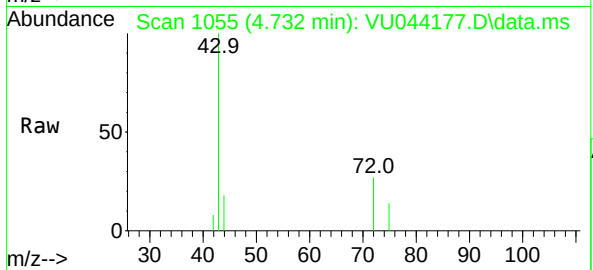




#25
2-Butanone
Concen: 1.875 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.022 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

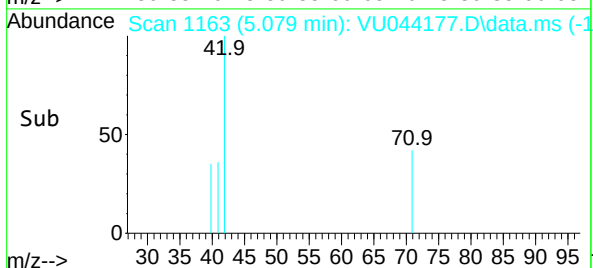
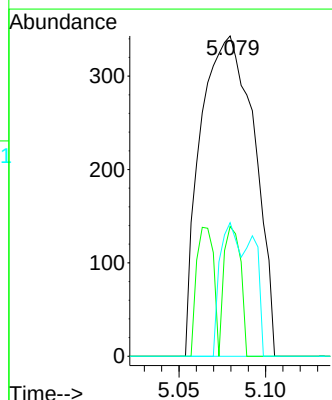
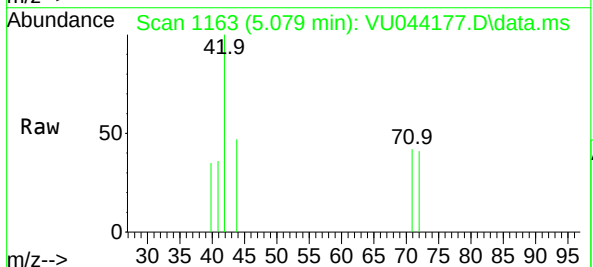
Instrument :
MSVOA_U
ClientSampled :

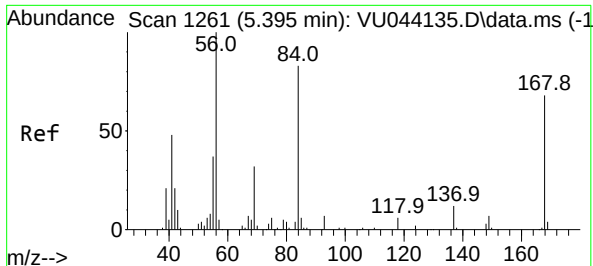
Tgt Ion: 43 Resp: 4173
Ion Ratio Lower Upper
43 100
72 27.4 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.609 ug/l
RT: 5.079 min Scan# 1163
Delta R.T. 0.022 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

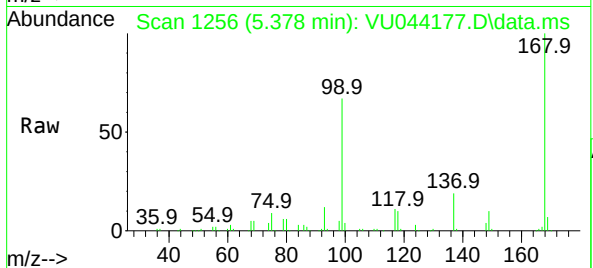
Tgt Ion: 42 Resp: 737
Ion Ratio Lower Upper
42 100
72 12.6 38.6 57.8#
71 15.9 35.5 53.3#



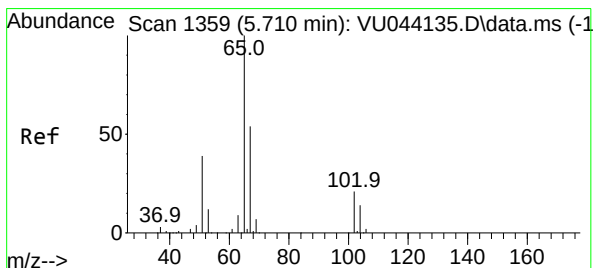
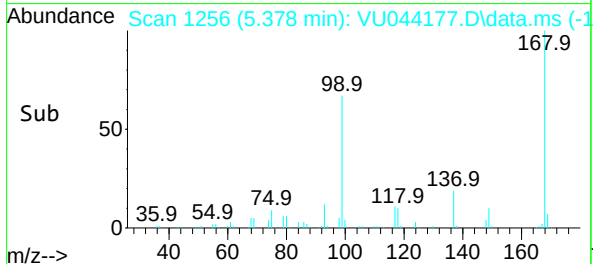
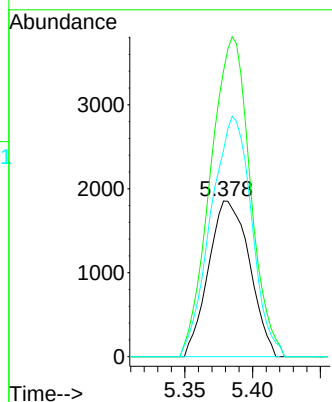


#31
Cyclohexane
Concen: 1.038 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.016 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_U
ClientSampled :

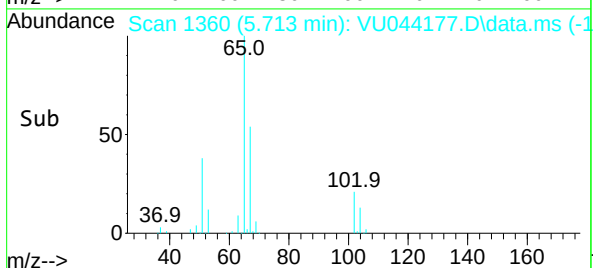
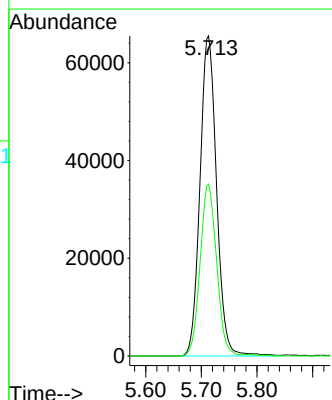
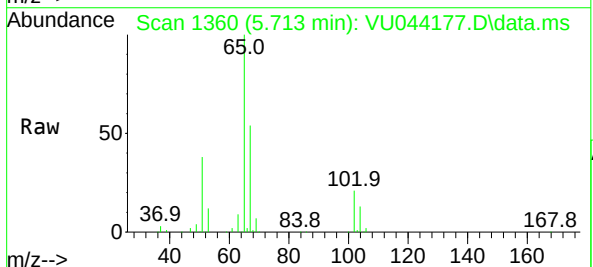


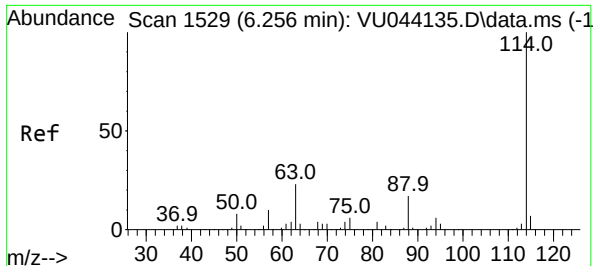
Tgt Ion: 56 Resp: 3904
Ion Ratio Lower Upper
56 100
69 183.7 25.5 38.3#
84 132.7 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 50.853 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 65 Resp: 135569
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

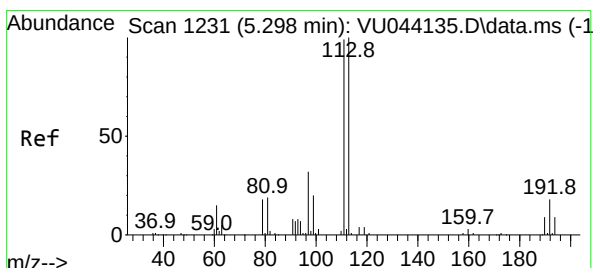
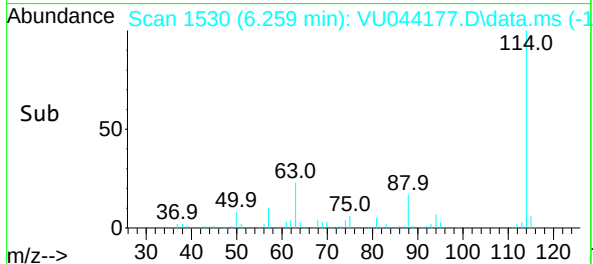
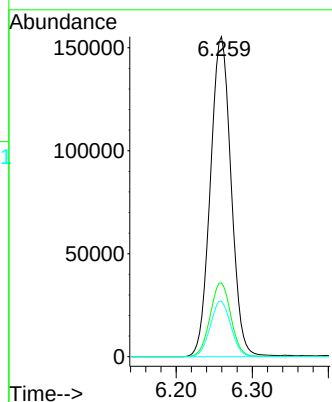
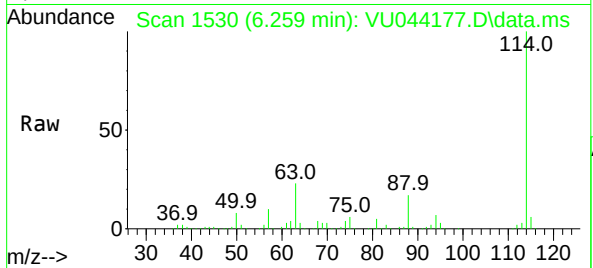




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

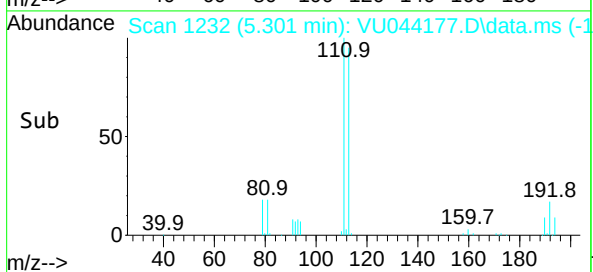
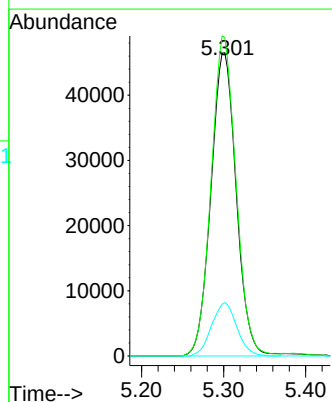
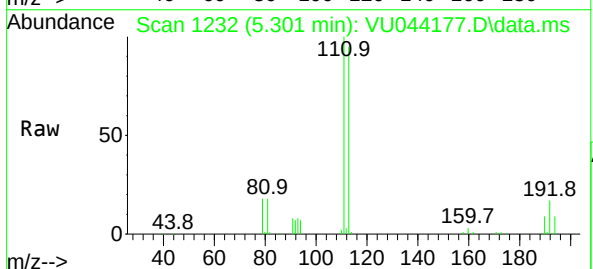
Instrument :
MSVOA_U
ClientSampled :

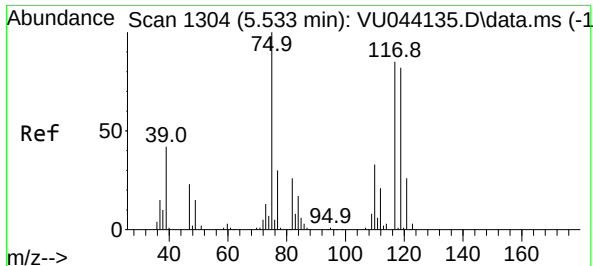
Tgt Ion:114 Resp: 294131
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.8
88 17.3 0.0 34.0



#35
Dibromofluoromethane
Concen: 48.694 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion:113 Resp: 99631
Ion Ratio Lower Upper
113 100
111 103.9 81.0 121.4
192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 5.382 min Scan# 1257

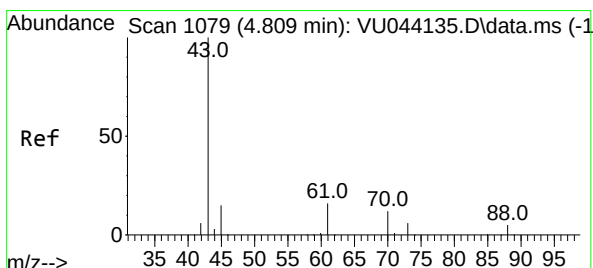
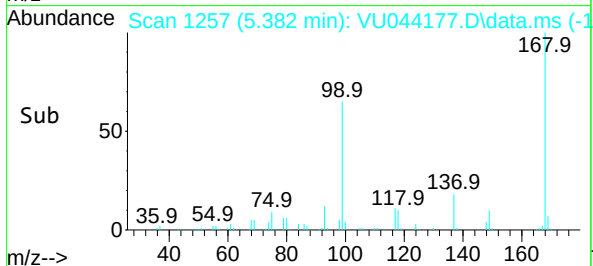
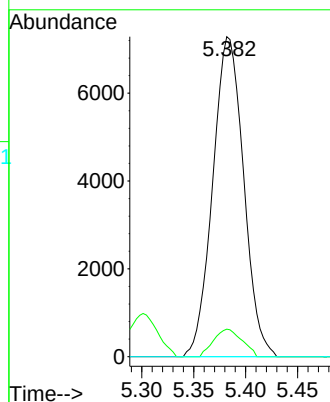
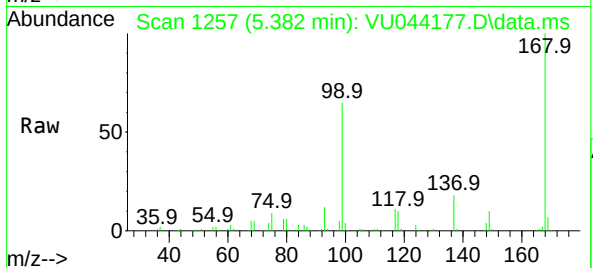
Delta R.T. -0.151 min

Lab File: VU044177.D

Acq: 14 Jun 2021 13:38

Tgt Ion: 75	Resp: 15057
Ion Ratio	Lower Upper
75 100	
110 7.9	16.4 49.4#
77 0.0	24.7 37.1#

Instrument :
MSVOA_U
ClientSampleId :



#37

Ethyl Acetate

Concen: 1.065 ug/l

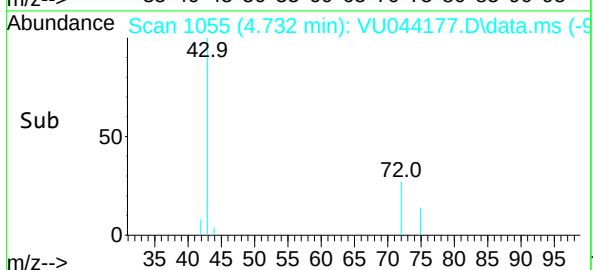
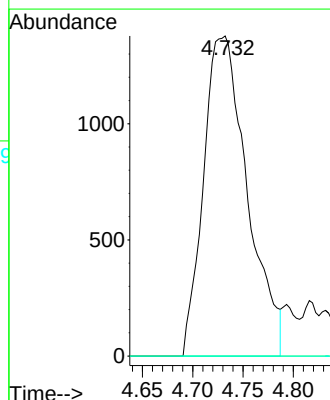
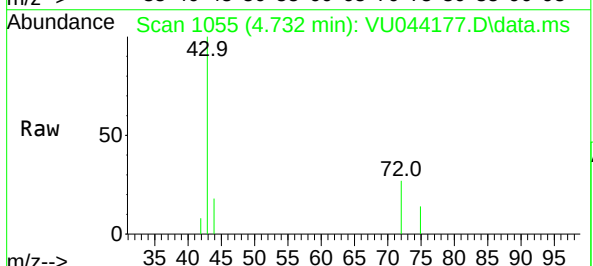
RT: 4.732 min Scan# 1055

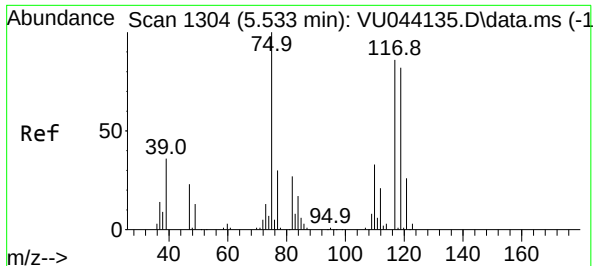
Delta R.T. -0.077 min

Lab File: VU044177.D

Acq: 14 Jun 2021 13:38

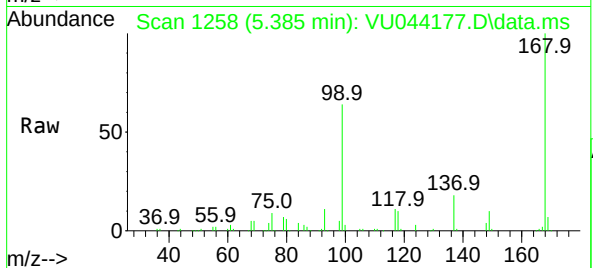
Tgt Ion: 43	Resp: 4173
Ion Ratio	Lower Upper
43 100	
61 0.0	11.9 17.9#
70 0.0	9.4 14.0#



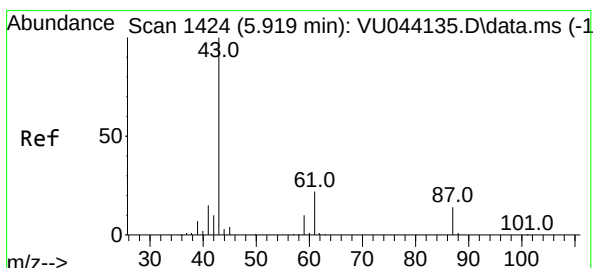
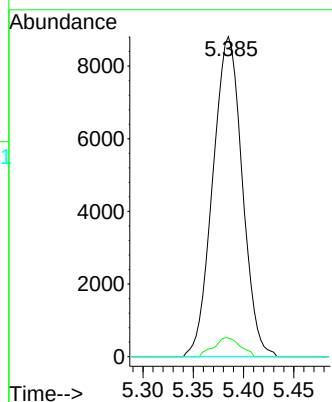
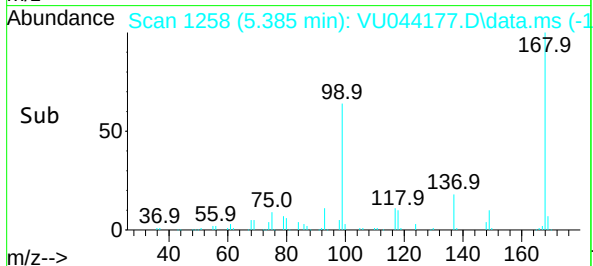


#38
Carbon Tetrachloride
Concen: 6.078 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

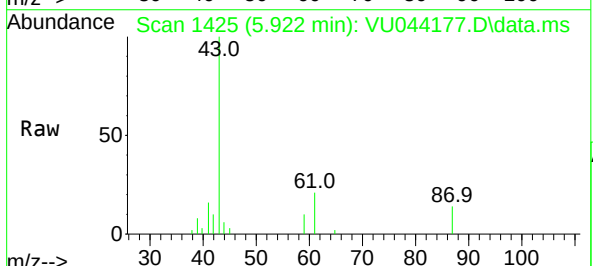
Instrument :
MSVOA_U
ClientSampled :



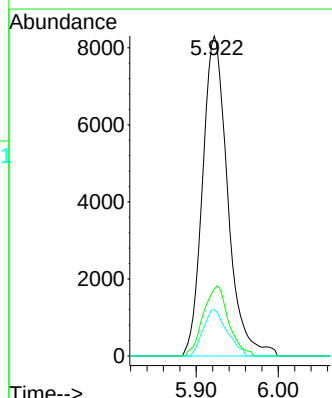
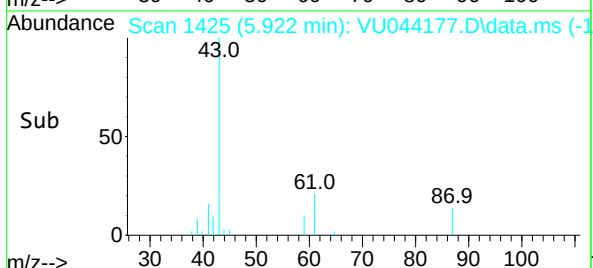
Tgt Ion:117 Resp: 17956
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.0 24.6 36.8#

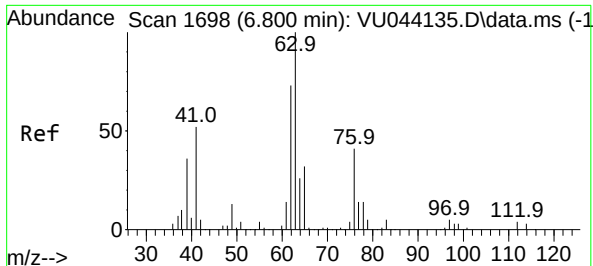


#43
Isopropyl Acetate
Concen: 3.175 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38



Tgt Ion: 43 Resp: 17655
Ion Ratio Lower Upper
43 100
61 22.0 17.8 26.8
87 13.8 11.1 16.7



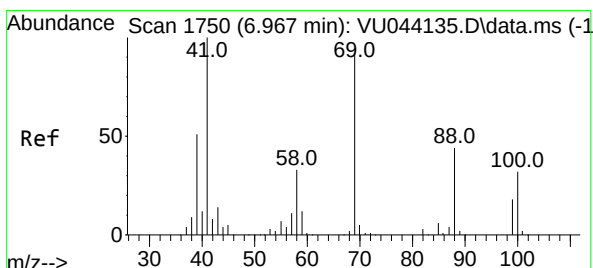
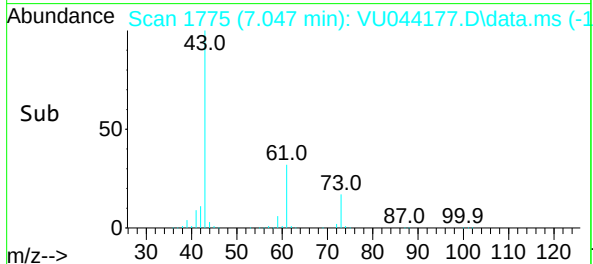
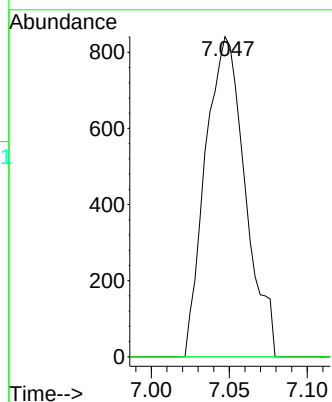
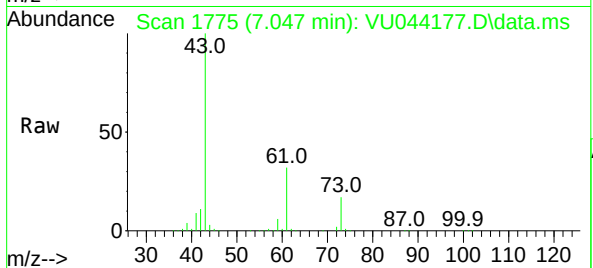


#45

1,2-Dichloropropane
Concen: 0.566 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_U
ClientSampled :

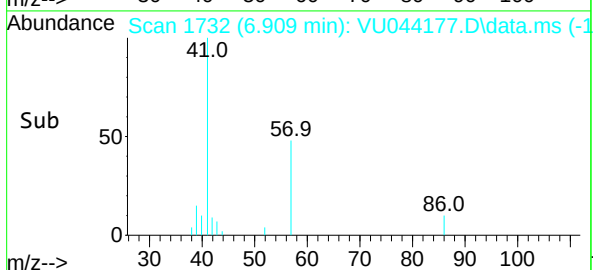
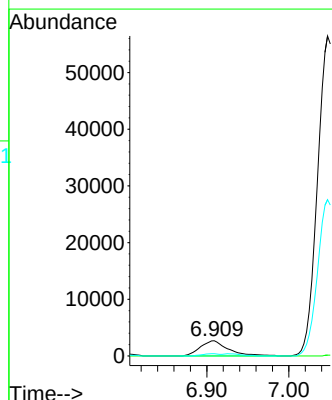
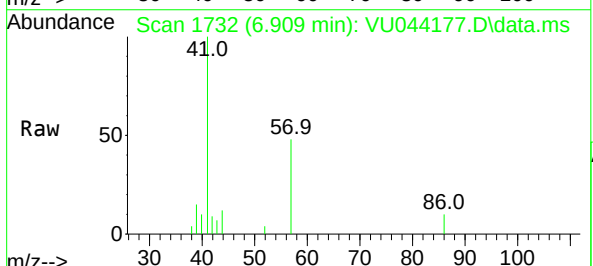
Tgt Ion: 63 Resp: 1492
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

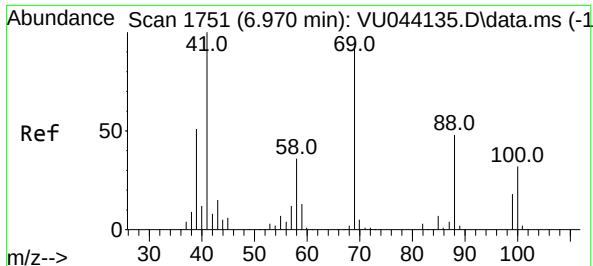


#48

Methyl methacrylate
Concen: 2.353 ug/l
RT: 6.909 min Scan# 1732
Delta R.T. -0.058 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 41 Resp: 6366
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: 1.639 ug/l

RT: 7.044 min Scan# 1774

Delta R.T. 0.074 min

Lab File: VU044177.D

Acq: 14 Jun 2021 13:38

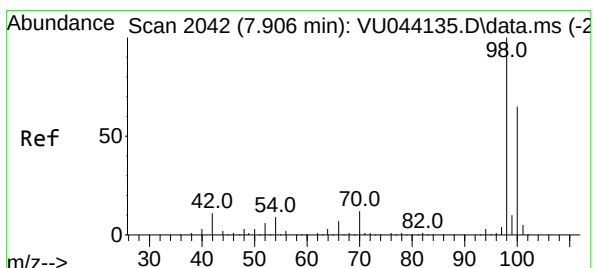
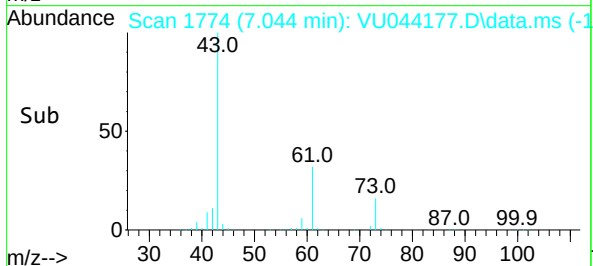
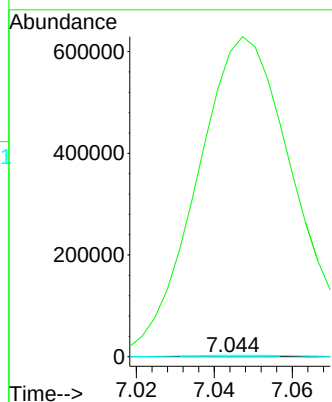
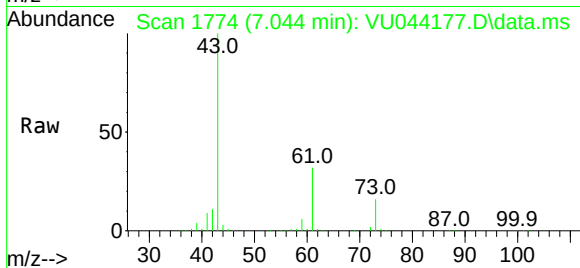
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

43 983814.7 23.4 35.0#

58 5202.6 58.1 87.1#



#50

Toluene-d8

Concen: 51.363 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044177.D

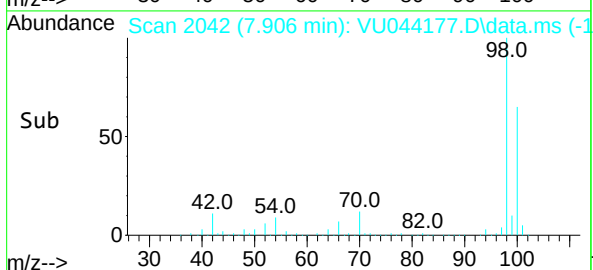
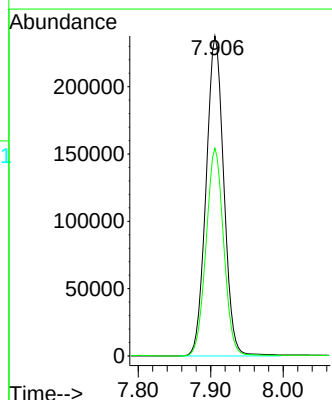
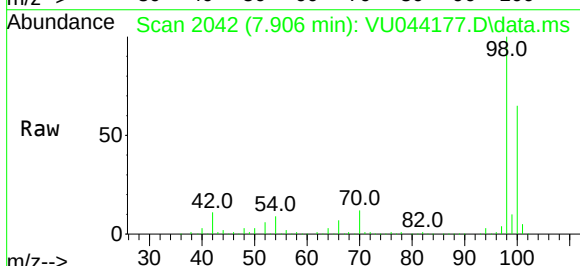
Acq: 14 Jun 2021 13:38

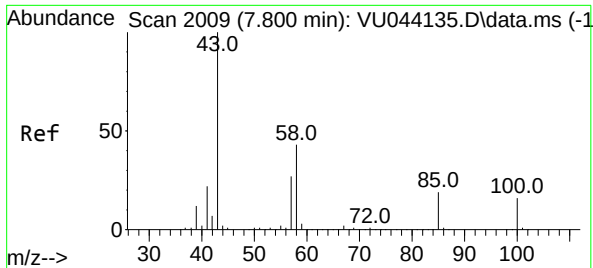
Tgt Ion: 98 Resp: 403605

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4

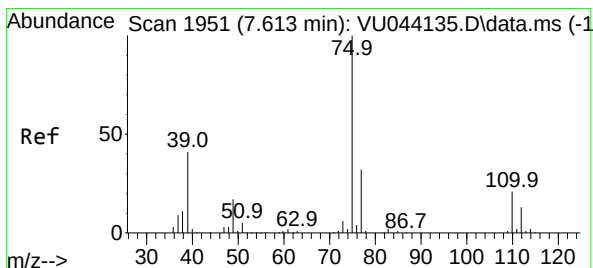
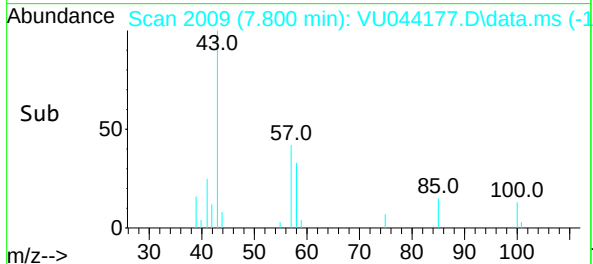
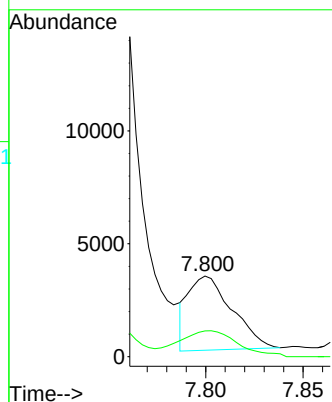
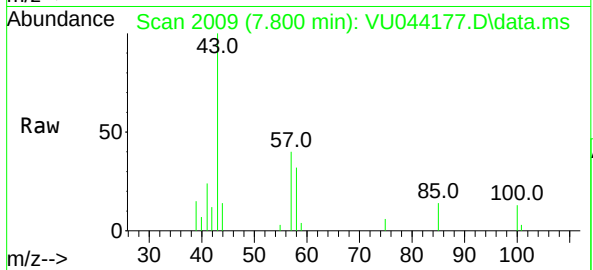




#51
4-Methyl-2-Pentanone
Concen: 1.274 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

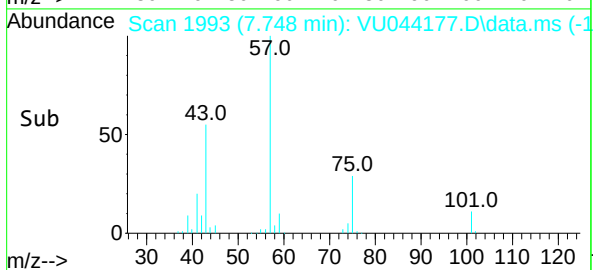
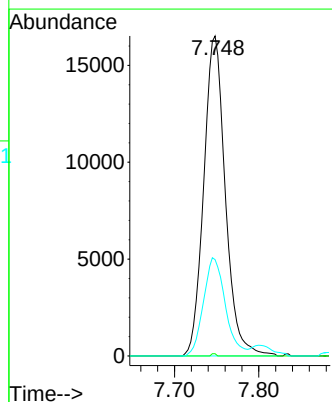
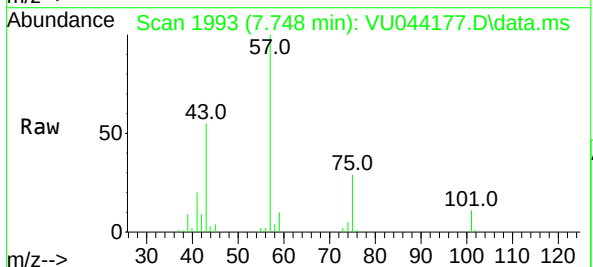
Instrument :
MSVOA_U
ClientSampled :

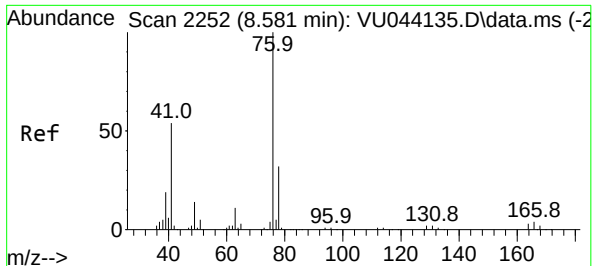
Tgt Ion: 43 Resp: 5125
Ion Ratio Lower Upper
43 100
58 47.2 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.477 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.135 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 75 Resp: 29488
Ion Ratio Lower Upper
75 100
77 0.7 25.9 38.9#
39 30.1 33.2 49.8#



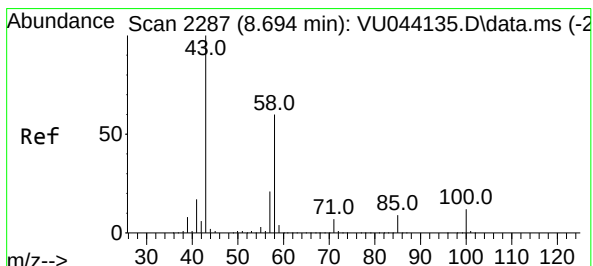
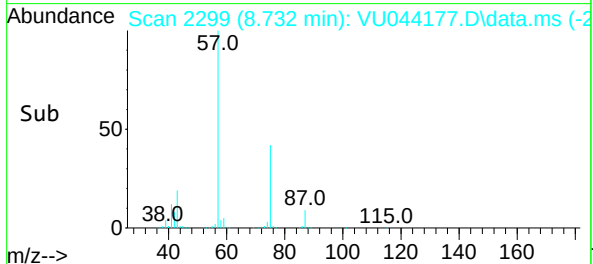
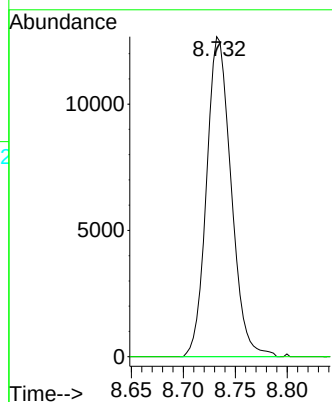
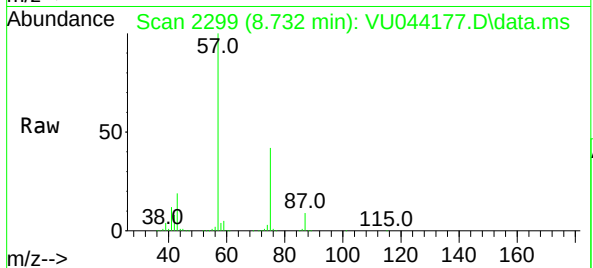


#57

1,3-Dichloropropane
Concen: 4.867 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_U
ClientSampled :

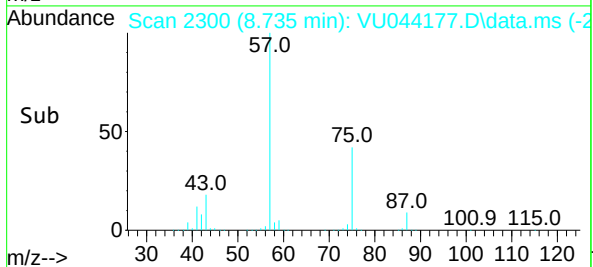
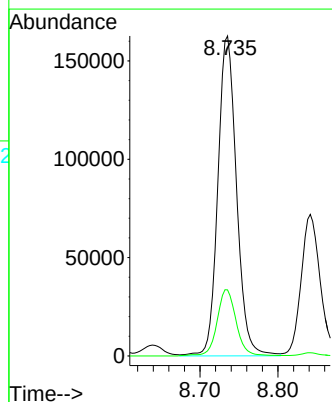
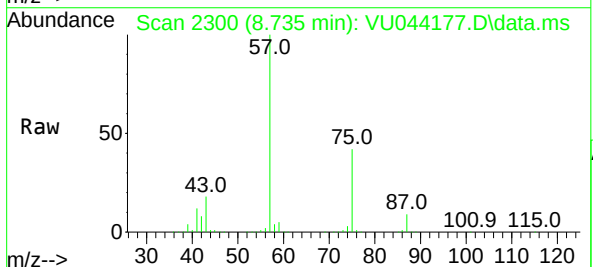
Tgt Ion: 76 Resp: 20844
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

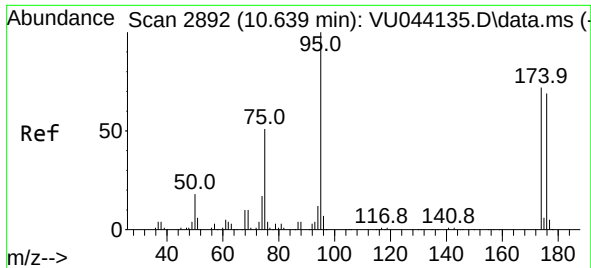


#59

2-Hexanone
Concen: 84.353 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 43 Resp: 270897
Ion Ratio Lower Upper
43 100
58 21.3 30.0 90.1#

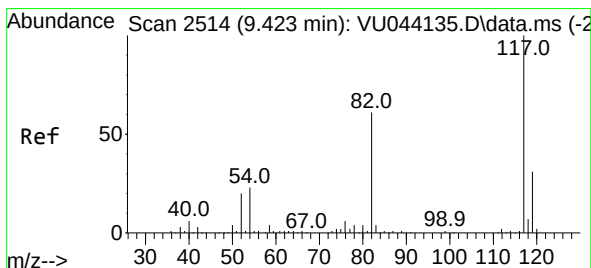
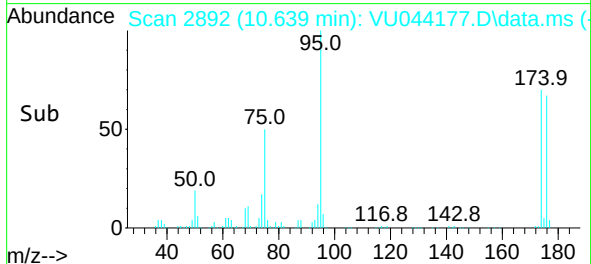
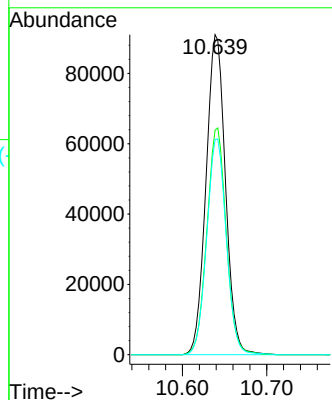
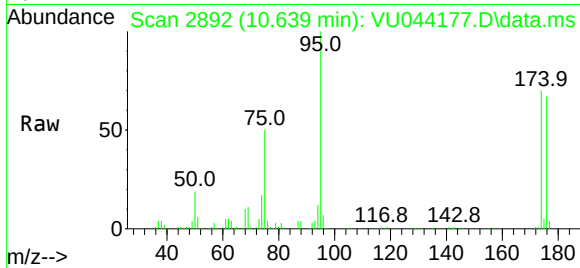




#62
4-Bromofluorobenzene
Concen: 46.471 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

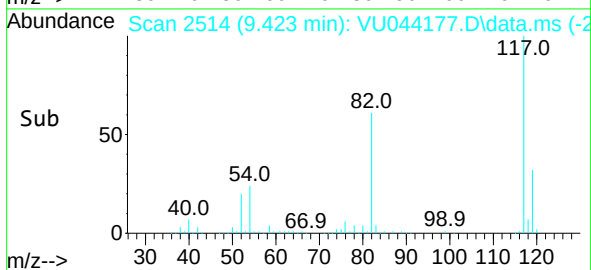
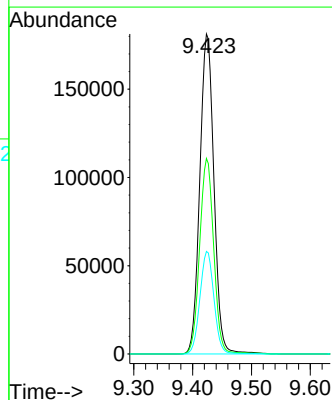
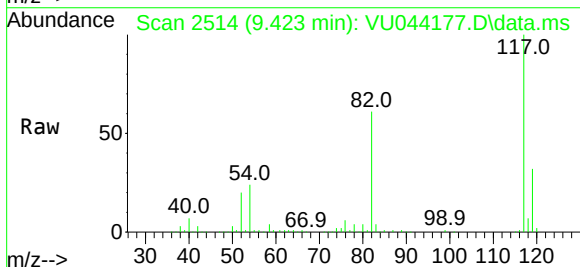
Instrument :
MSVOA_U
ClientSampleId :

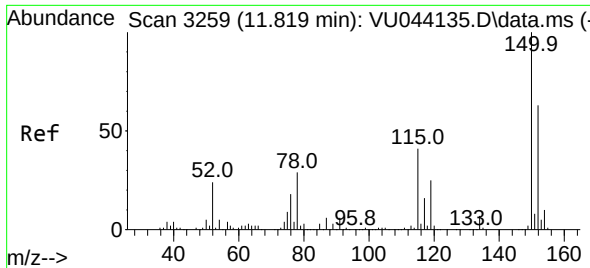
Tgt Ion: 95 Resp: 146338
Ion Ratio Lower Upper
95 100
174 70.5 0.0 144.4
176 67.7 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion: 117 Resp: 302646
Ion Ratio Lower Upper
117 100
82 61.1 48.8 73.2
119 32.1 25.0 37.6

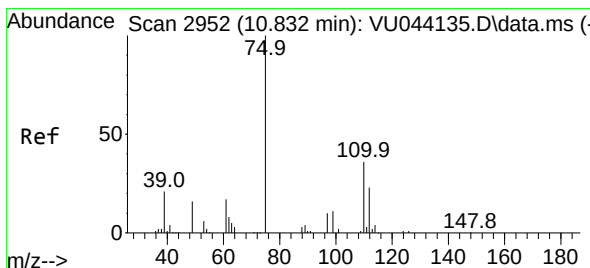
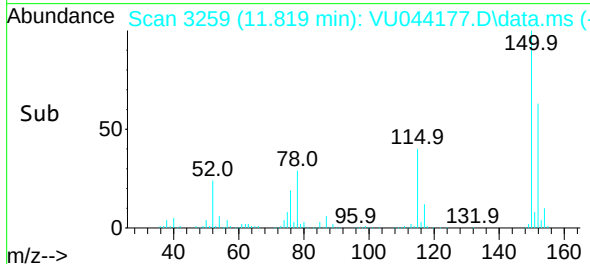
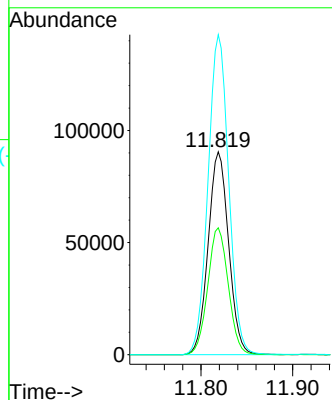
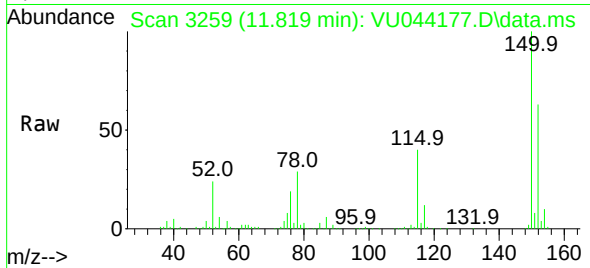




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044177.D
 Acq: 14 Jun 2021 13:38

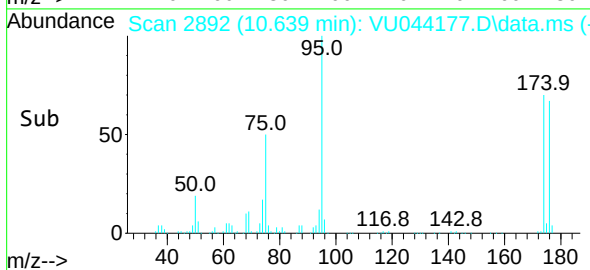
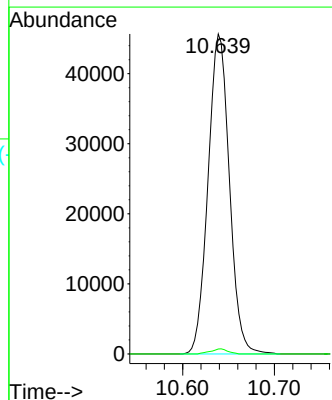
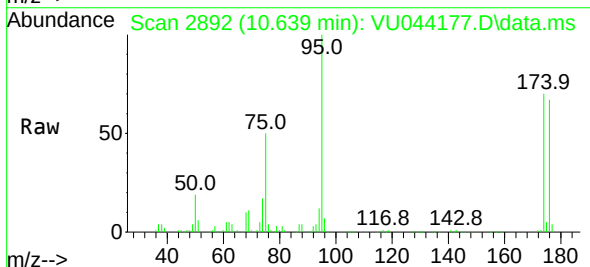
Instrument :
 MSVOA_U
 ClientSampled :

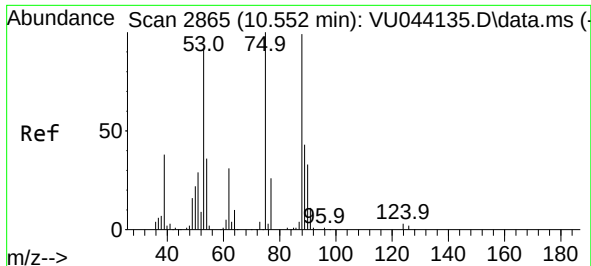
Tgt Ion:152 Resp: 140489
 Ion Ratio Lower Upper
 152 100
 115 62.6 43.8 131.3
 150 158.7 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 15.664 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044177.D
 Acq: 14 Jun 2021 13:38

Tgt Ion: 75 Resp: 73781
 Ion Ratio Lower Upper
 75 100
 77 1.3 14.9 44.5#

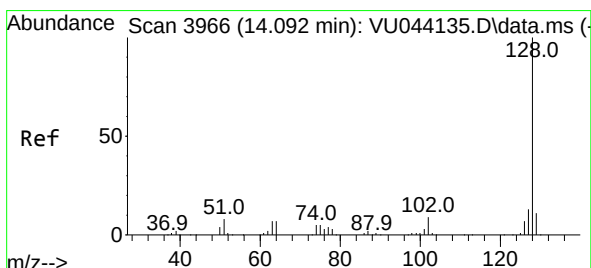
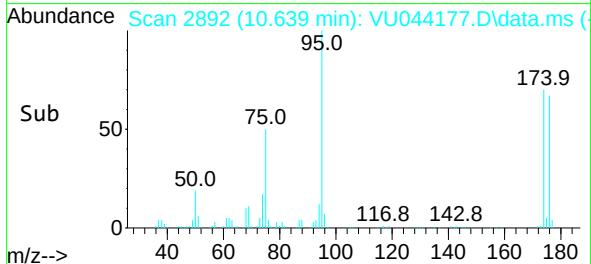
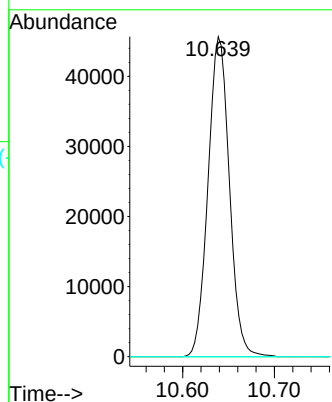
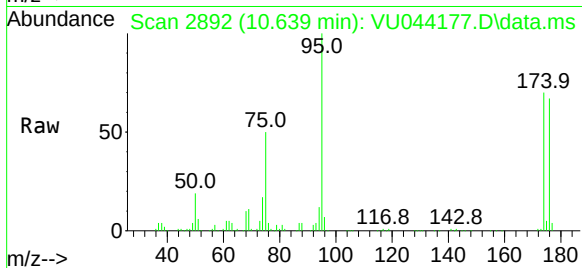




#81
trans-1,4-Dichloro-2-butene
Concen: 56.781 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 73781
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 3.096 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044177.D
Acq: 14 Jun 2021 13:38

Tgt Ion:128 Resp: 2720
Ion Ratio Lower Upper
128 100
127 8.6 10.2 15.2#
129 6.5 8.6 13.0#

