

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044187.D
 Acq On : 14 Jun 2021 17:28
 Operator : SY/MD
 Sample : M2672-31
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:47:48 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)

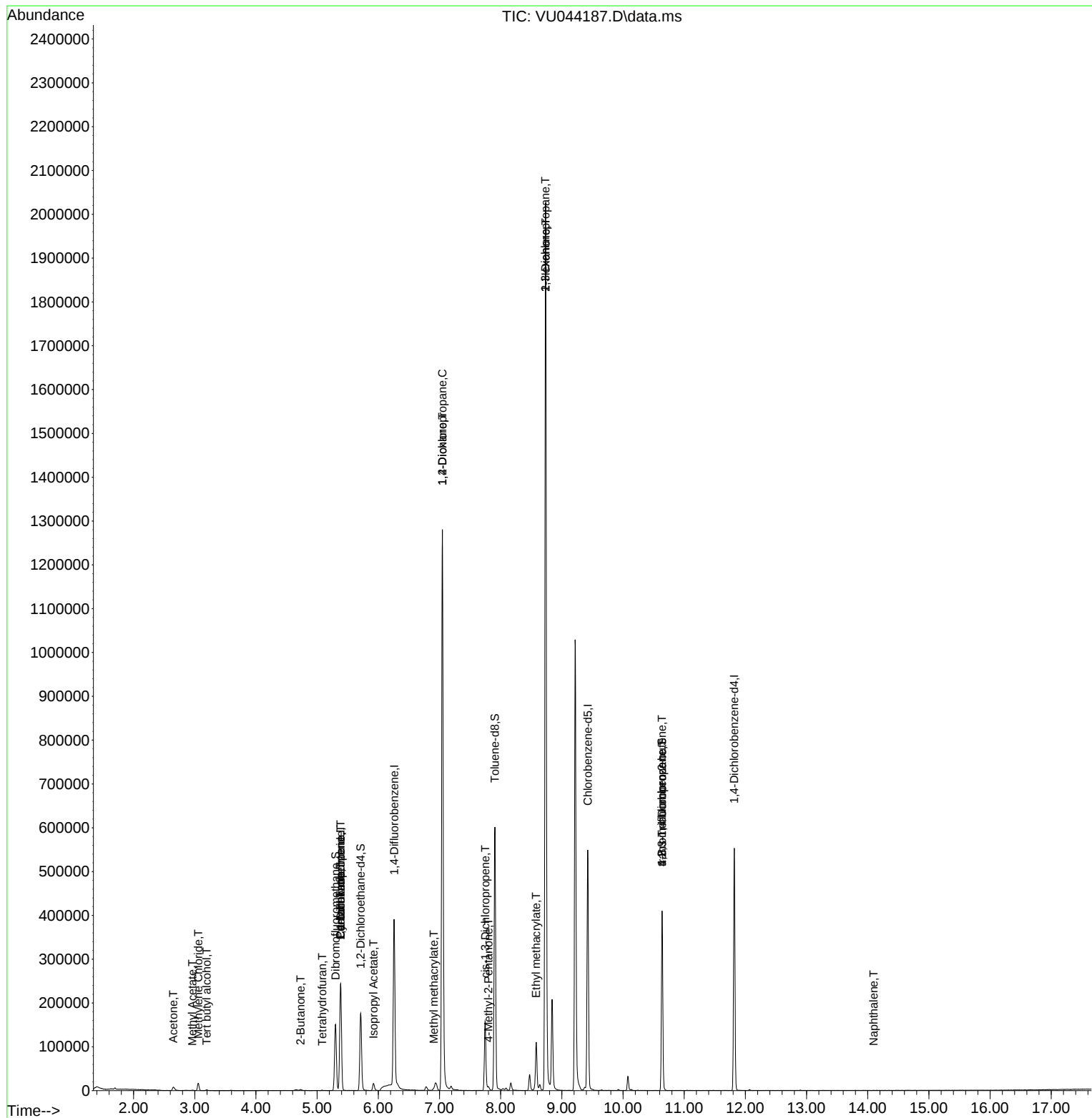
Internal Standards						
1) Pentafluorobenzene	5.385	168	159943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	296140	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	296265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	139289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	131896	51.856	ug/l	0.00
Spiked Amount	50.000		Recovery	= 103.720%		
35) Dibromofluoromethane	5.301	113	99205	48.157	ug/l	0.00
Spiked Amount	50.000		Recovery	= 96.320%		
50) Toluene-d8	7.906	98	392024	49.551	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.100%		
62) 4-Bromofluorobenzene	10.639	95	138402	43.653	ug/l	0.00
Spiked Amount	50.000		Recovery	= 87.300%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	311	Below Cal	#	76
6) Chloroethane	1.903	64	264	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	1185	1.732	ug/l #	73
16) Acetone	2.649	43	13874	8.496	ug/l	99
18) Methyl Acetate	2.961	43	1386	0.424	ug/l #	83
20) Methylene Chloride	3.057	84	8084	2.385	ug/l	97
25) 2-Butanone	4.729	43	4087	1.925	ug/l	93
29) Tetrahydrofuran	5.083	42	795	0.689	ug/l #	43
31) Cyclohexane	5.385	56	3889	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	14614	4.436	ug/l #	50
38) Carbon Tetrachloride	5.385	117	17742	5.965	ug/l #	17
43) Isopropyl Acetate	5.922	43	18050	3.225	ug/l	96
45) 1,2-Dichloropropane	7.047	63	1672	0.631	ug/l #	43
48) Methyl methacrylate	6.906	41	6790	2.493	ug/l #	11
49) 1,4-Dioxane	7.047	88	96	1.347	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	5236	1.292	ug/l	93
54) cis-1,3-Dichloropropene	7.748	75	29225	7.360	ug/l #	64
56) Ethyl methacrylate	8.581	69	1359	0.366	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	21806	5.057	ug/l #	42
59) 2-Hexanone	8.735	43	277707	85.887	ug/l #	49
76) 1,2,3-Trichloropropane	10.639	75	70858	15.173	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	70858	55.001	ug/l #	13
95) Naphthalene	14.098	128	251	2.860	ug/l #	69

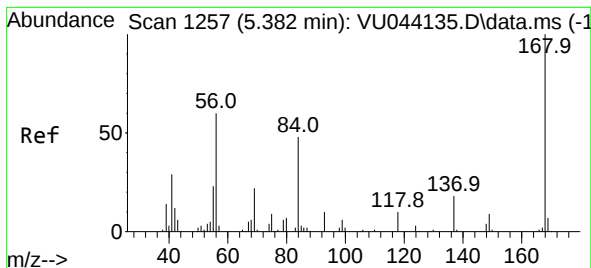
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 15 02:47:48 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU044187.D

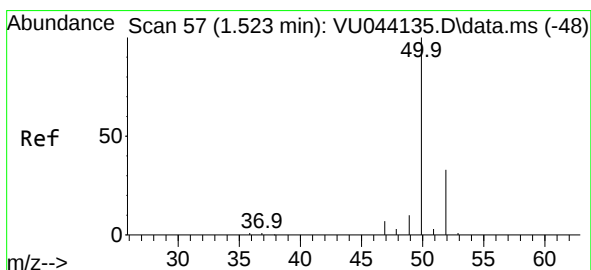
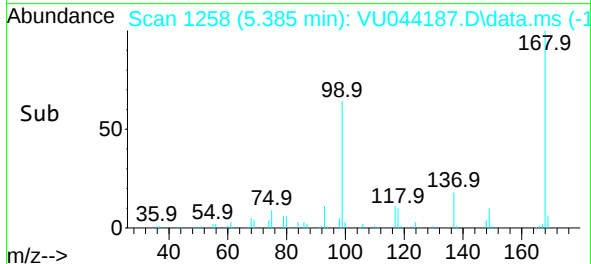
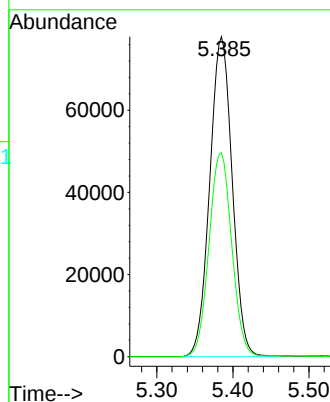
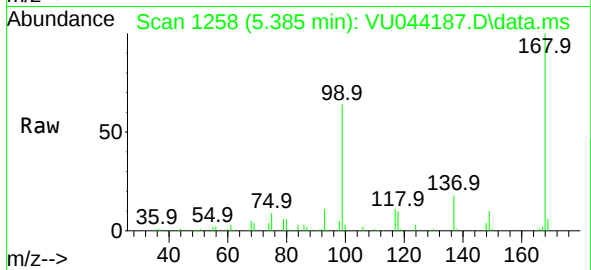
Acq: 14 Jun 2021 17:28

Tgt Ion:168 Resp: 159943

Ion Ratio Lower Upper

168 100

99 63.7 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.523 min Scan# 57

Delta R.T. 0.000 min

Lab File: VU044187.D

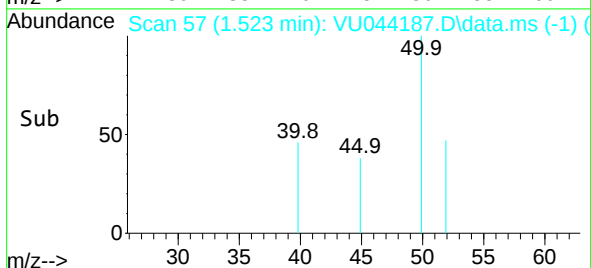
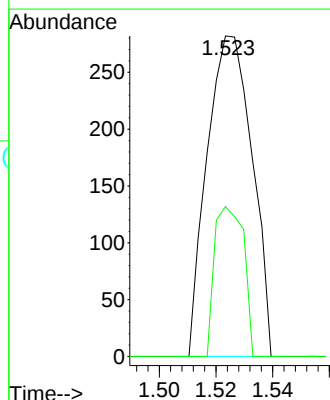
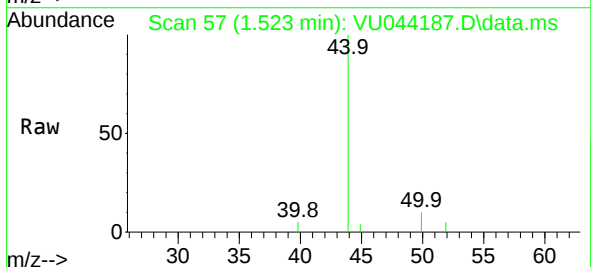
Acq: 14 Jun 2021 17:28

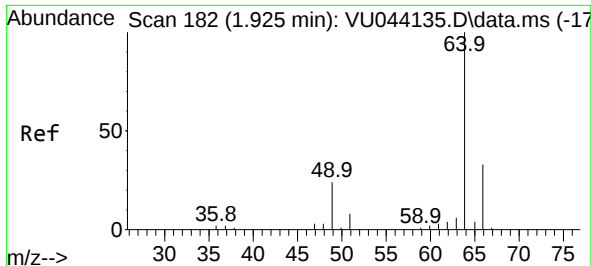
Tgt Ion: 50 Resp: 311

Ion Ratio Lower Upper

50 100

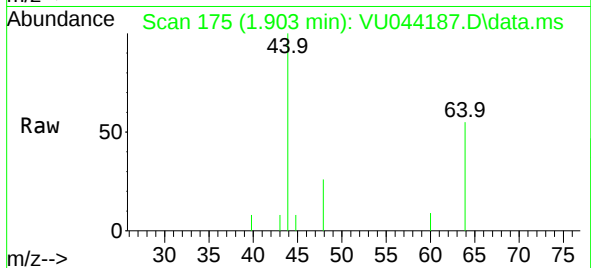
52 46.8 26.6 39.8#



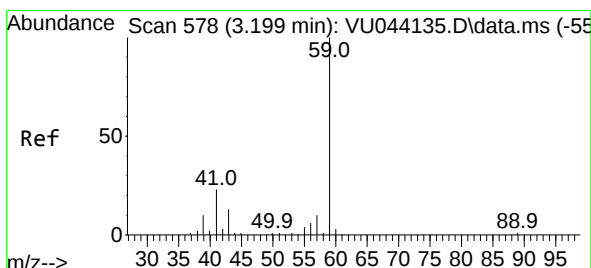
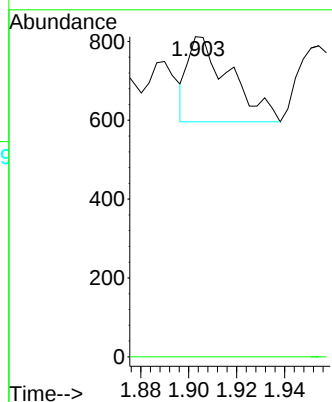
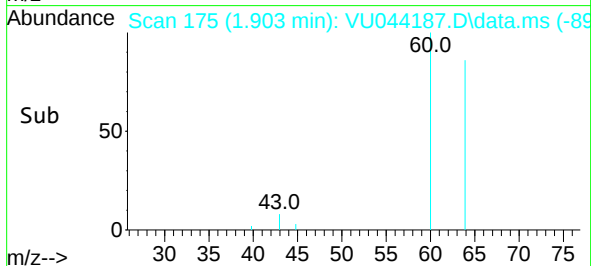


#6
Chloroethane
Concen: Below Cal
RT: 1.903 min Scan# 175
Delta R.T. -0.022 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

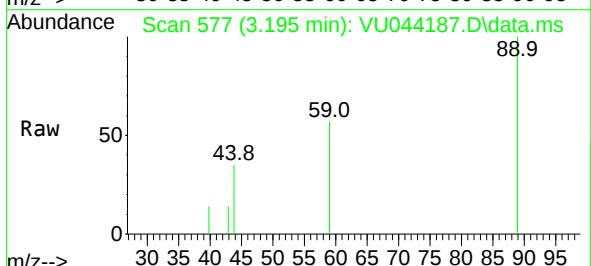
Instrument :
MSVOA_U
ClientSampled :



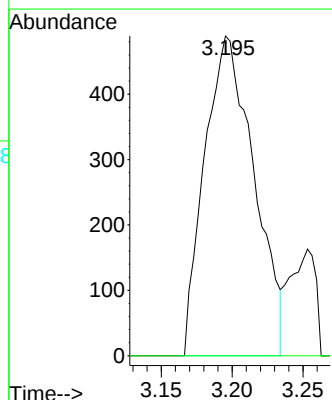
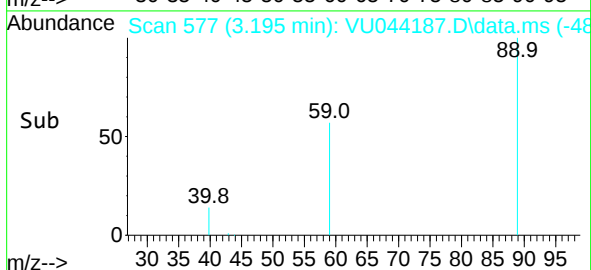
Tgt Ion: 64 Resp: 264
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

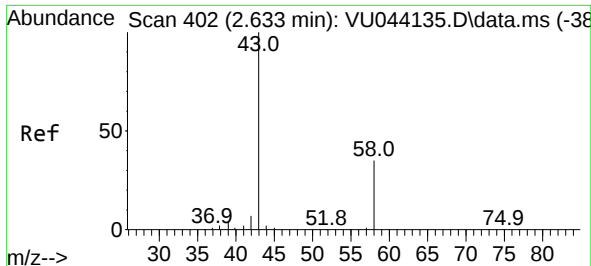


#11
Tert butyl alcohol
Concen: 1.732 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.004 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28



Tgt Ion: 59 Resp: 1185
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

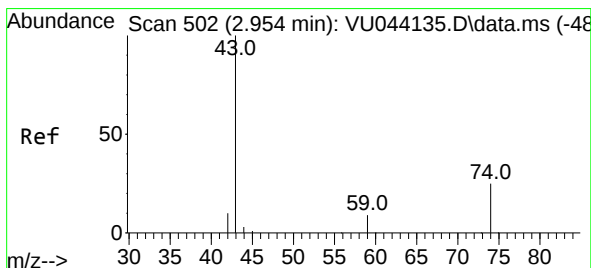
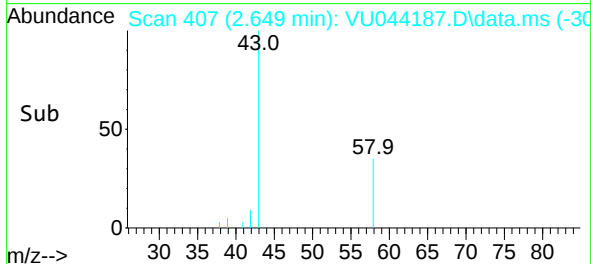
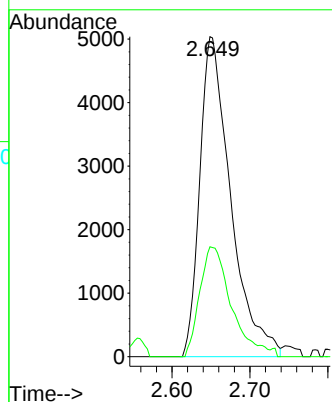
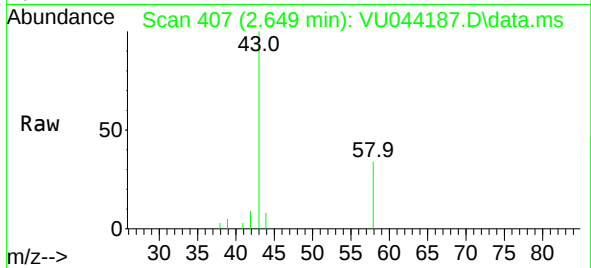




#16
Acetone
Concen: 8.496 ug/l
RT: 2.649 min Scan# 407
Delta R.T. 0.016 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

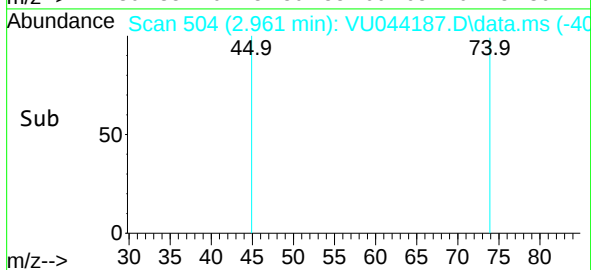
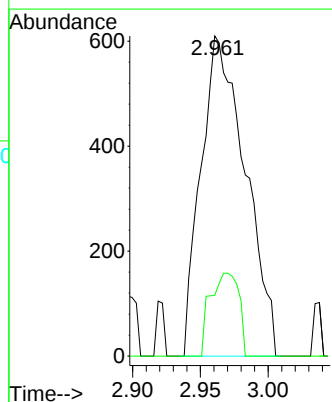
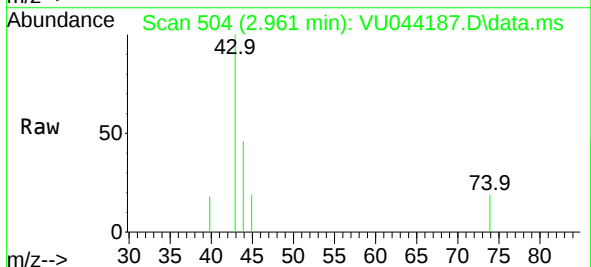
Instrument :
MSVOA_U
ClientSampled :

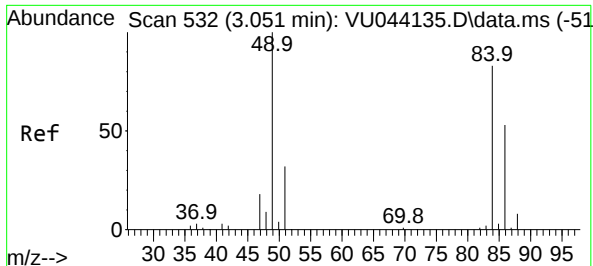
Tgt Ion: 43 Resp: 13874
Ion Ratio Lower Upper
43 100
58 34.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.424 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.007 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
74 16.7 20.3 30.5#





#20

Methylene Chloride

Concen: 2.385 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044187.D

Acq: 14 Jun 2021 17:28

Tgt Ion: 84 Resp: 8084

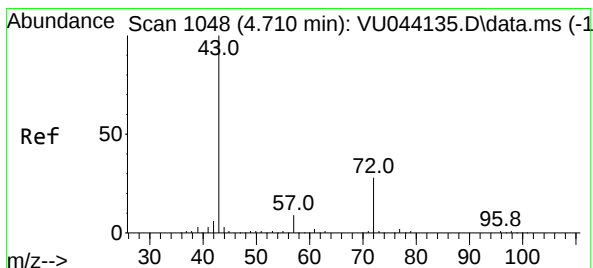
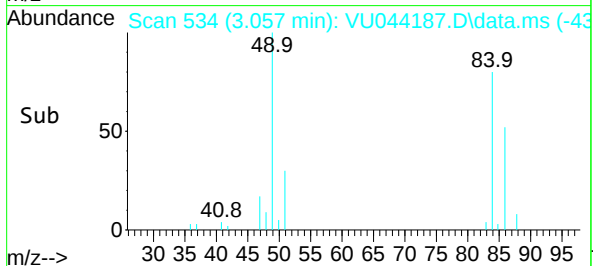
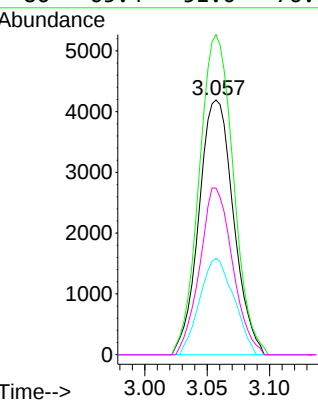
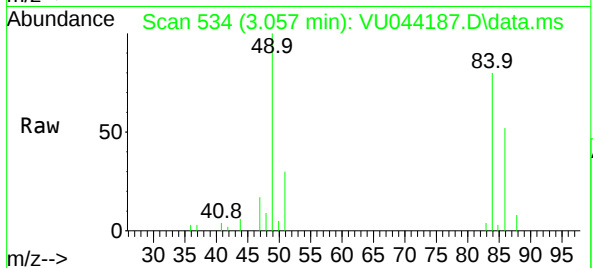
Ion Ratio Lower Upper

84 100

49 125.6 96.9 145.3

51 37.8 31.0 46.6

86 65.4 51.0 76.6



#25

2-Butanone

Concen: 1.925 ug/l

RT: 4.729 min Scan# 1054

Delta R.T. 0.019 min

Lab File: VU044187.D

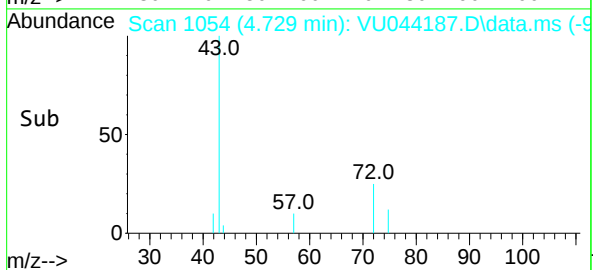
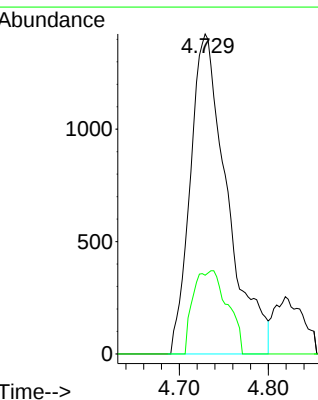
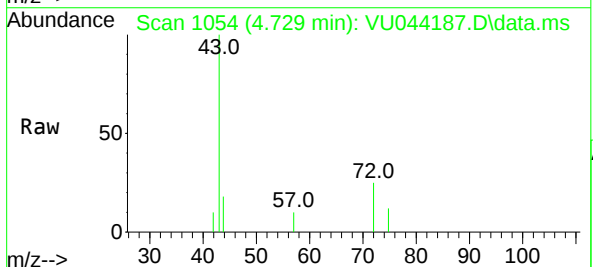
Acq: 14 Jun 2021 17:28

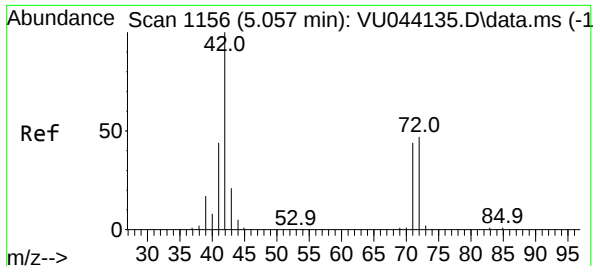
Tgt Ion: 43 Resp: 4087

Ion Ratio Lower Upper

43 100

72 24.6 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.689 ug/l

RT: 5.083 min Scan# 1164

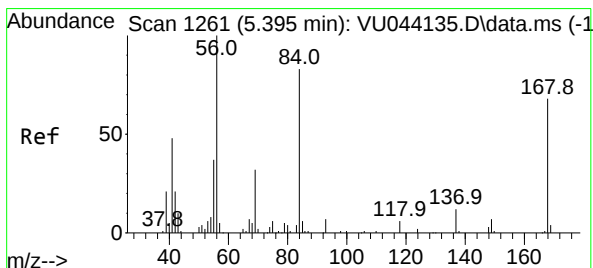
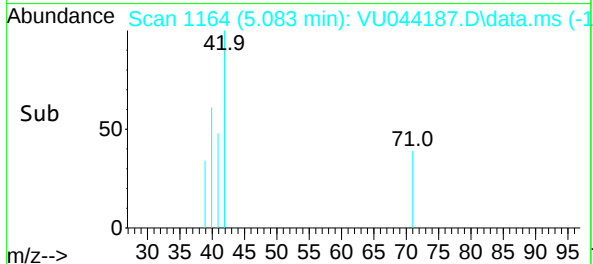
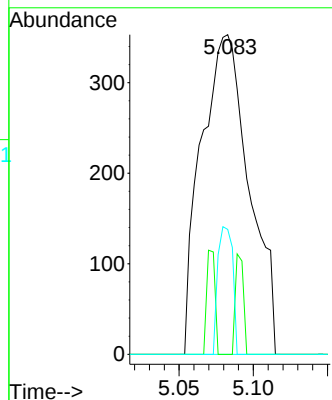
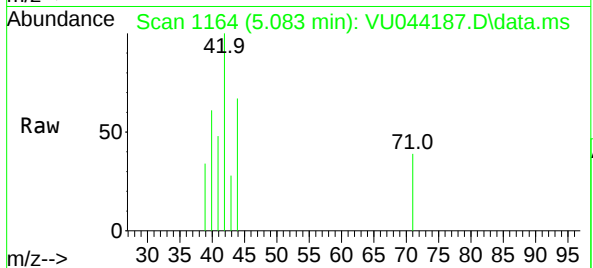
Delta R.T. 0.026 min

Lab File: VU044187.D

Acq: 14 Jun 2021 17:28

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	795
Ion	Ratio	Lower	Upper
42	100		
72	5.2	38.6	57.8#
71	12.3	35.5	53.3#



#31

Cyclohexane

Concen: 1.083 ug/l

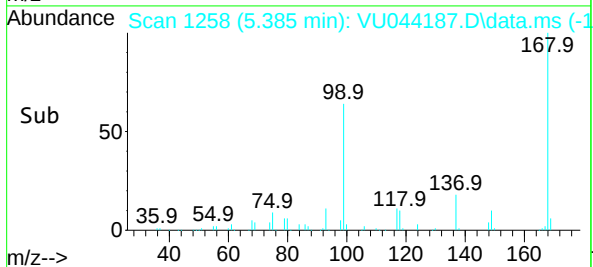
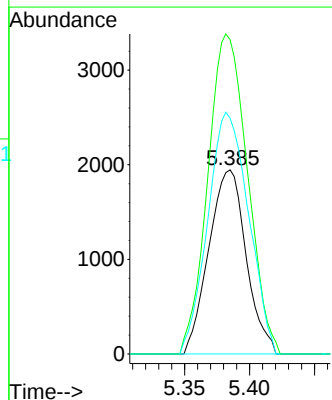
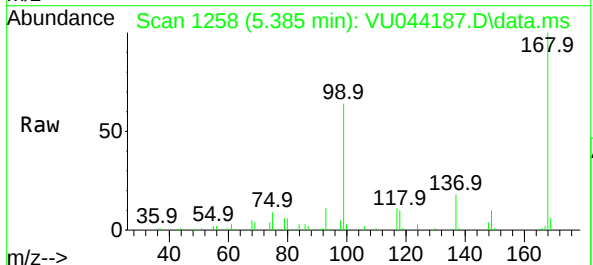
RT: 5.385 min Scan# 1258

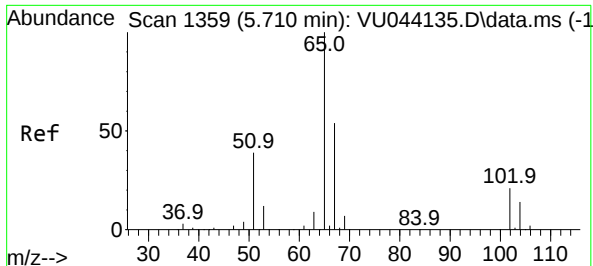
Delta R.T. -0.010 min

Lab File: VU044187.D

Acq: 14 Jun 2021 17:28

Tgt Ion:	56	Resp:	3889
Ion	Ratio	Lower	Upper
56	100		
69	170.6	25.5	38.3#
84	127.9	66.3	99.5#



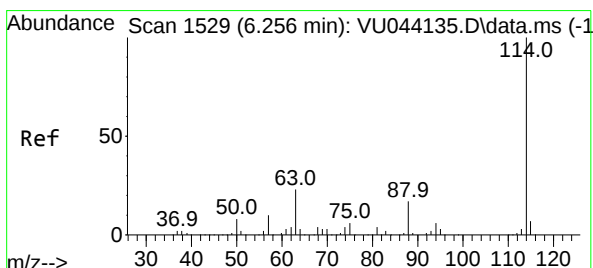
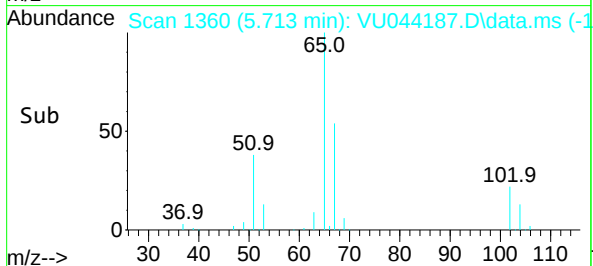
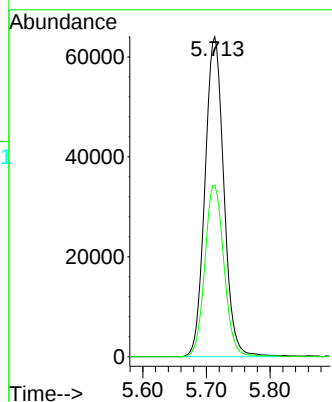
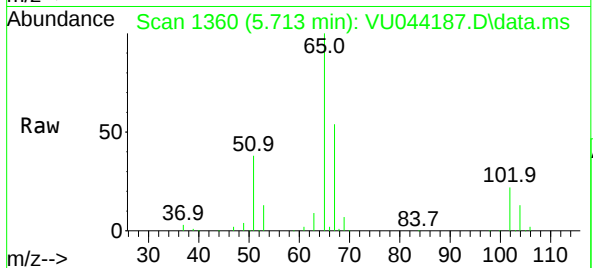


#33

1,2-Dichloroethane-d4
Concen: 51.856 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Instrument :
MSVOA_U
ClientSampled :

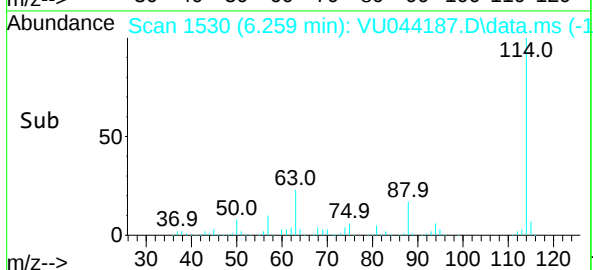
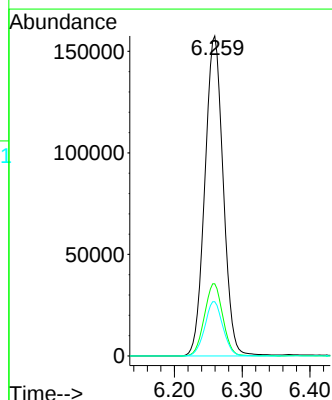
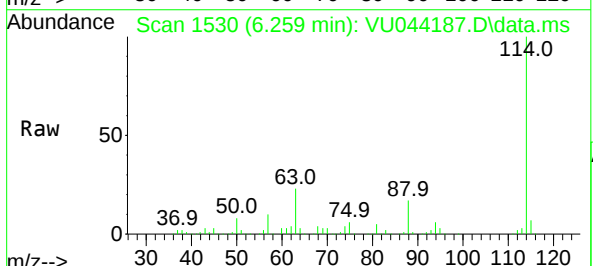
Tgt Ion: 65 Resp: 131896
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6

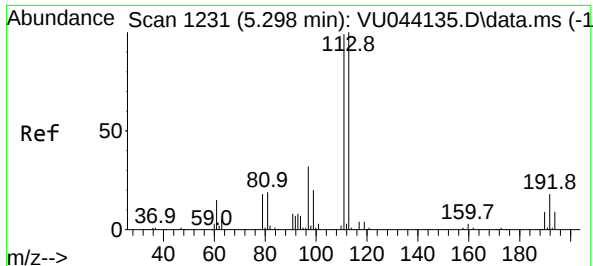


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

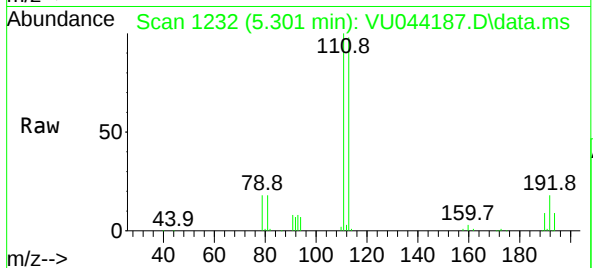
Tgt Ion: 114 Resp: 296140
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.8
88 17.0 0.0 34.0



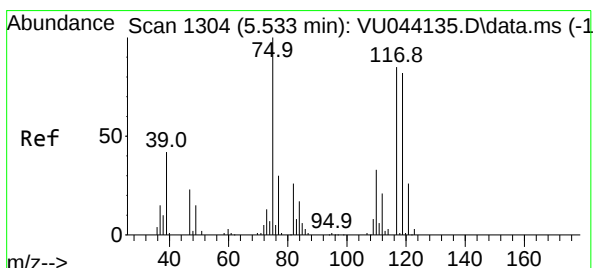
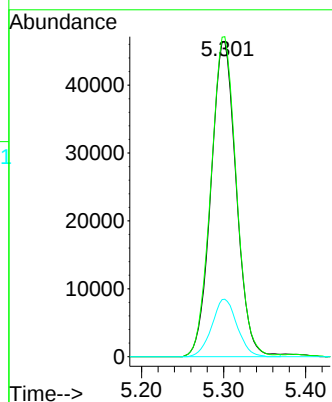
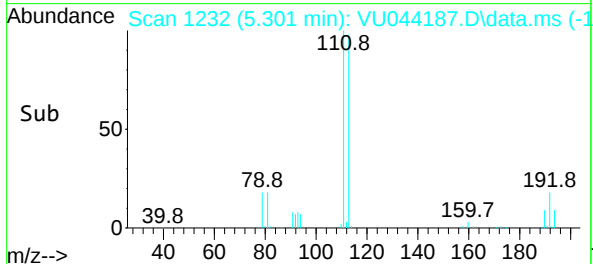


#35
Dibromofluoromethane
Concen: 48.157 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

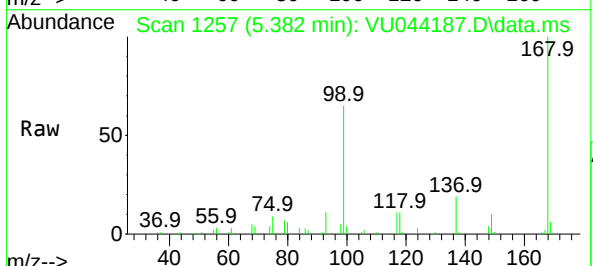
Instrument :
MSVOA_U
ClientSampleId :



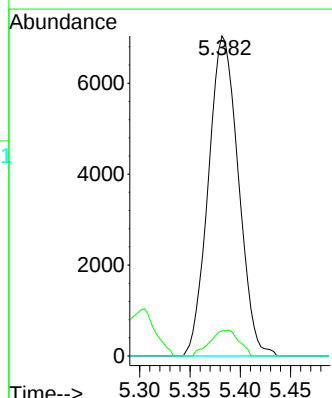
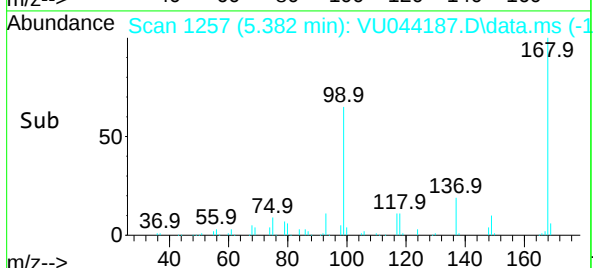
Tgt Ion:113 Resp: 99205
Ion Ratio Lower Upper
113 100
111 102.2 81.0 121.4
192 18.3 14.3 21.5

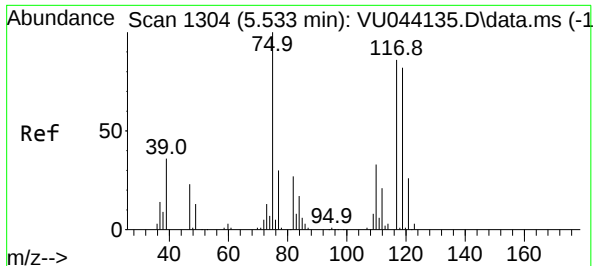


#36
1,1-Dichloropropene
Concen: 4.436 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.151 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28



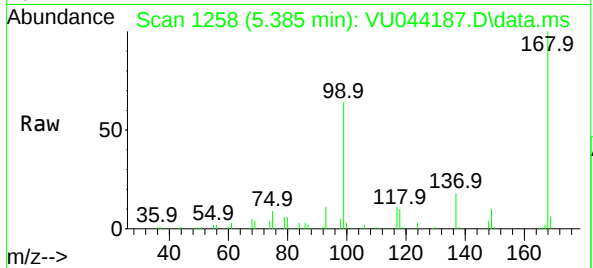
Tgt Ion: 75 Resp: 14614
Ion Ratio Lower Upper
75 100
110 7.8 16.4 49.4#
77 0.0 24.7 37.1#



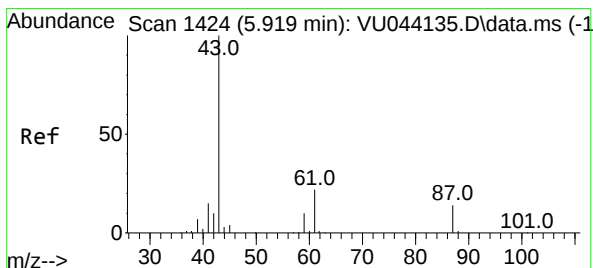
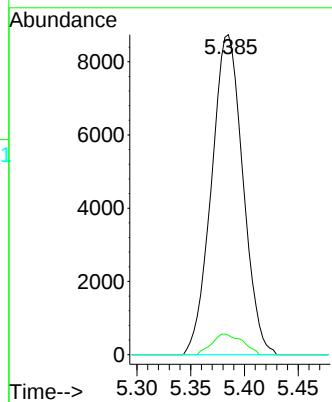
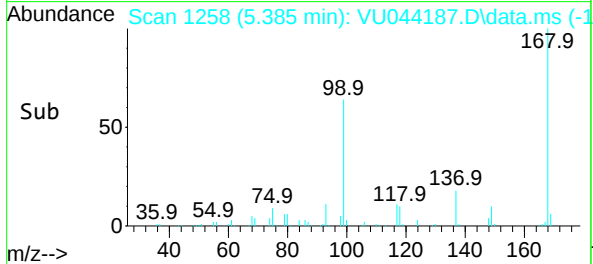


#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

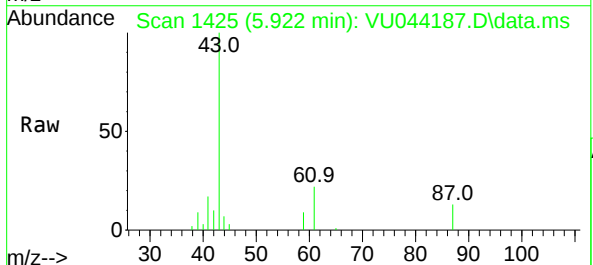
Instrument :
MSVOA_U
ClientSampleId :



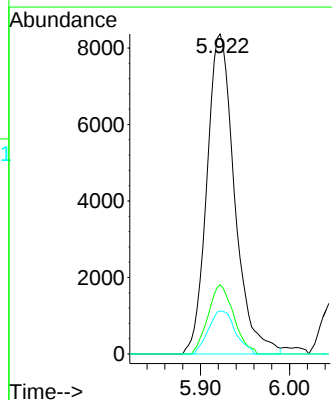
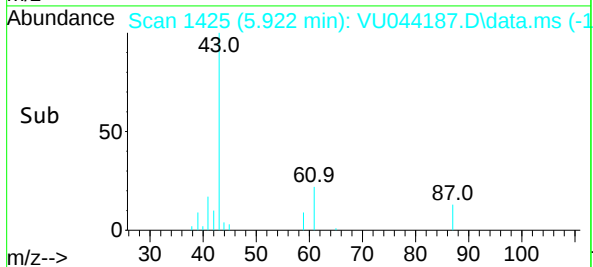
Tgt Ion:117 Resp: 17742
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.6 36.8#

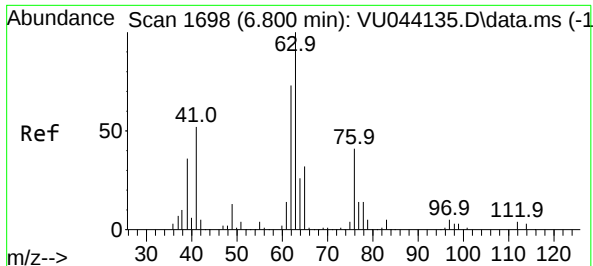


#43
Isopropyl Acetate
Concen: 3.225 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28



Tgt Ion: 43 Resp: 18050
Ion Ratio Lower Upper
43 100
61 20.1 17.8 26.8
87 13.0 11.1 16.7



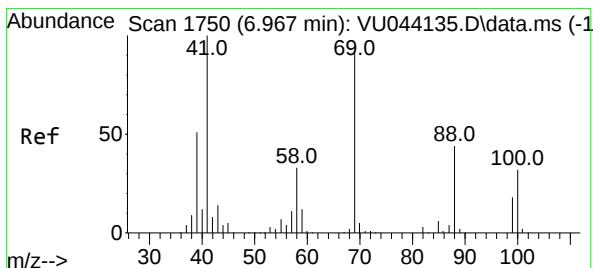
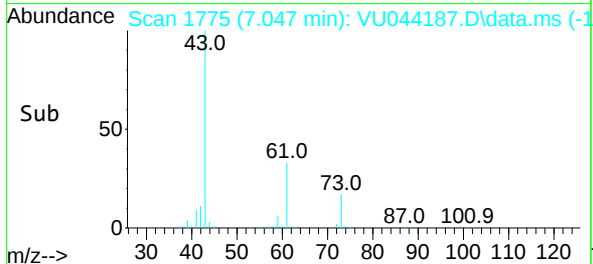
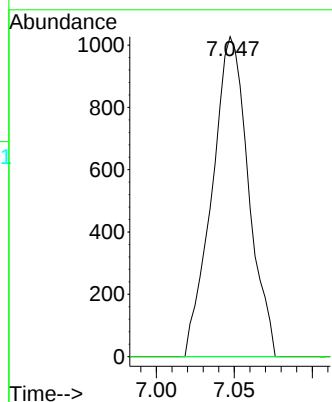
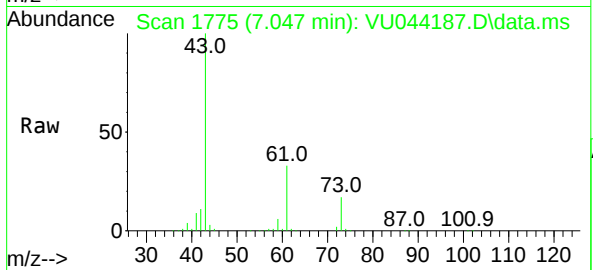


#45

1,2-Dichloropropane
Concen: 0.631 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Instrument :
MSVOA_U
ClientSampled :

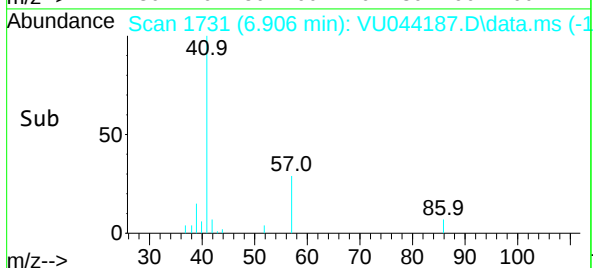
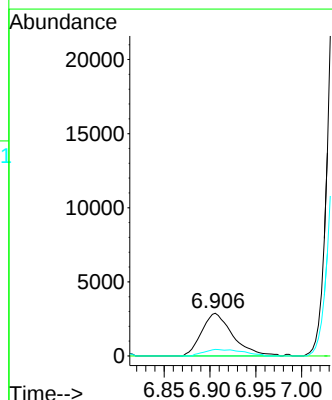
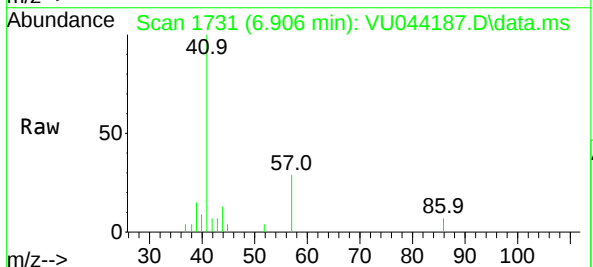
Tgt Ion: 63 Resp: 1672
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

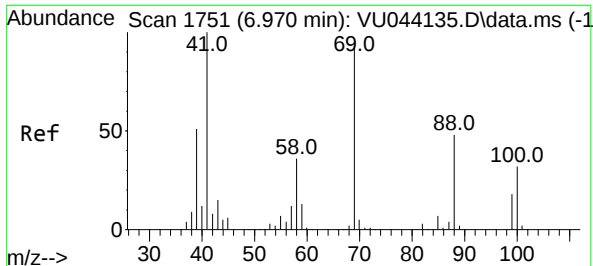


#48

Methyl methacrylate
Concen: 2.493 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Tgt Ion: 41 Resp: 6790
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: 1.347 ug/l

RT: 7.047 min Scan# 1775

Delta R.T. 0.077 min

Lab File: VU044187.D

Acq: 14 Jun 2021 17:28

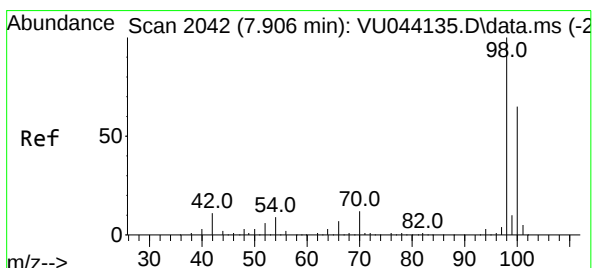
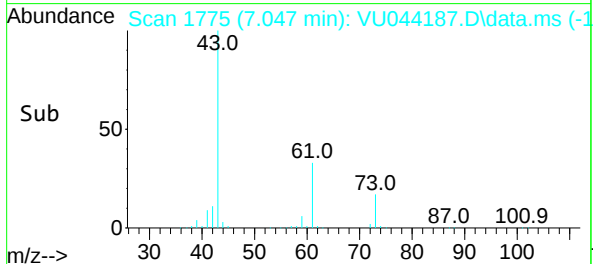
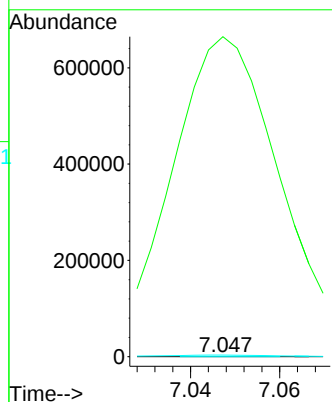
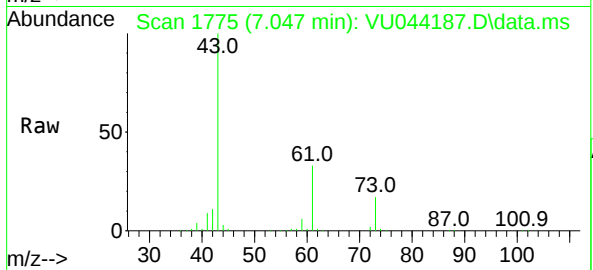
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 1245402.1 23.4 35.0#

58 6752.1 58.1 87.1#



#50

Toluene-d8

Concen: 49.551 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044187.D

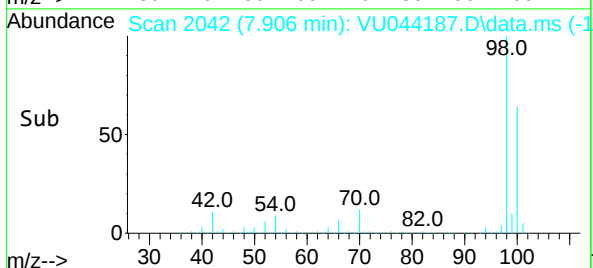
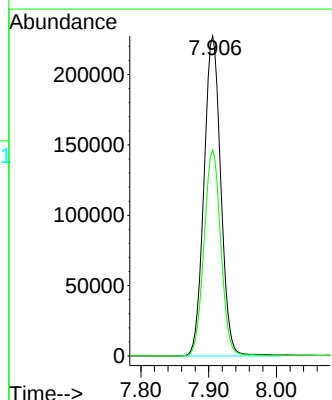
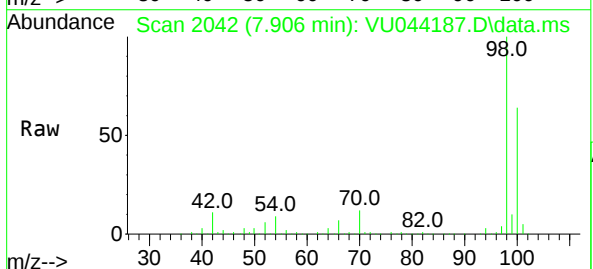
Acq: 14 Jun 2021 17:28

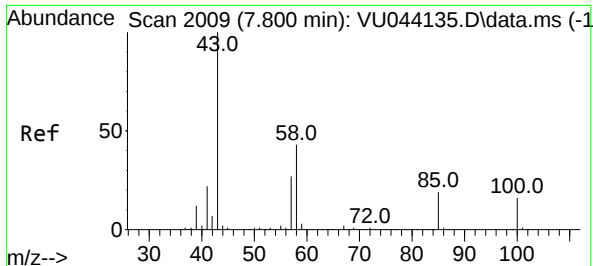
Tgt Ion: 98 Resp: 392024

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.4

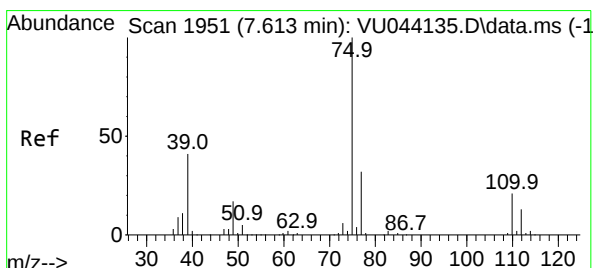
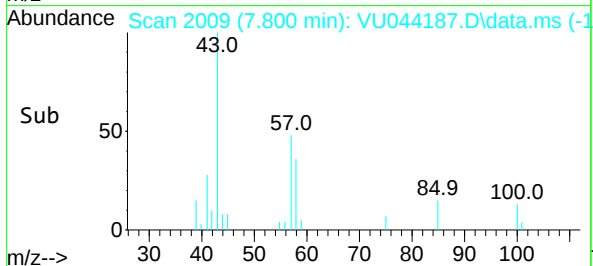
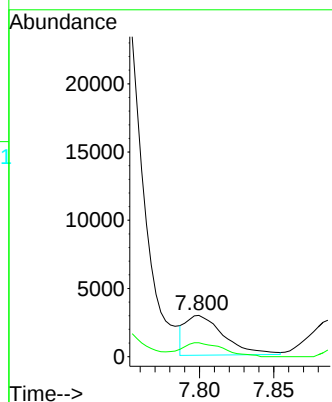
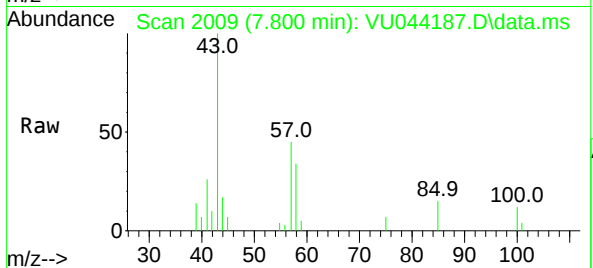




#51
4-Methyl-2-Pentanone
Concen: 1.292 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

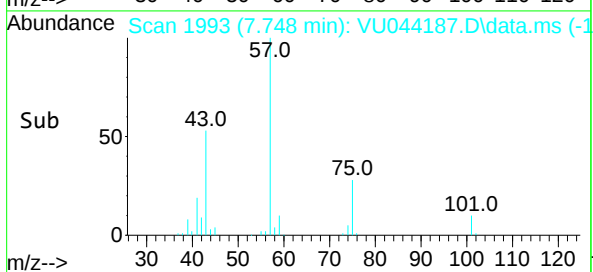
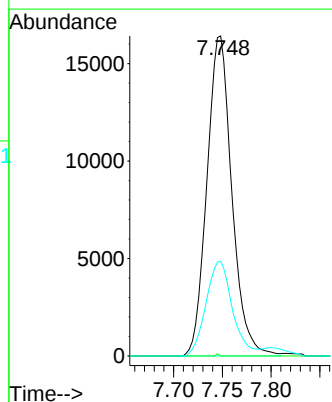
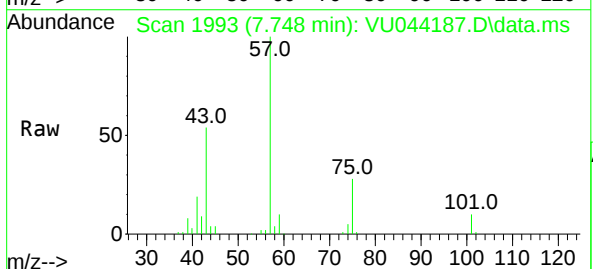
Instrument :
MSVOA_U
ClientSampled :

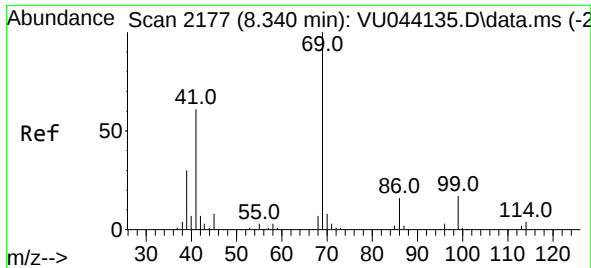
Tgt Ion: 43 Resp: 5236
Ion Ratio Lower Upper
43 100
58 38.9 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.360 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.135 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Tgt Ion: 75 Resp: 29225
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 29.6 33.2 49.8#

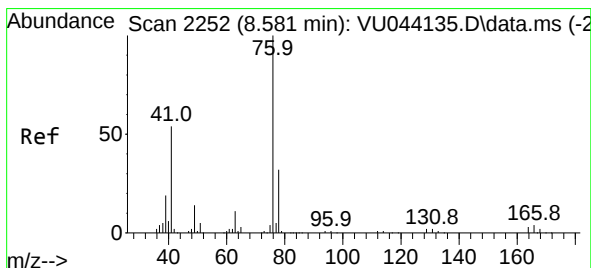
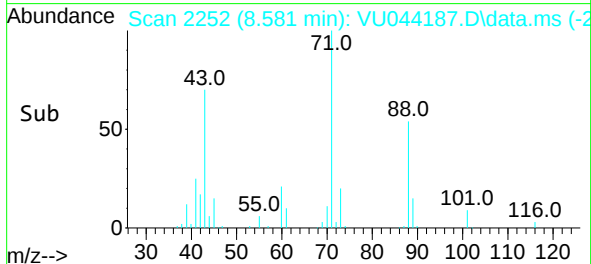
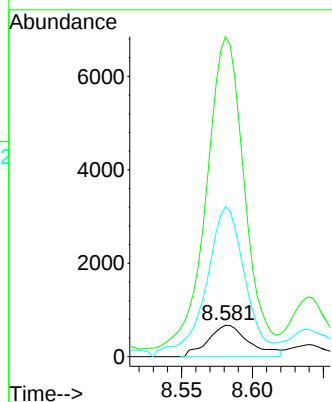
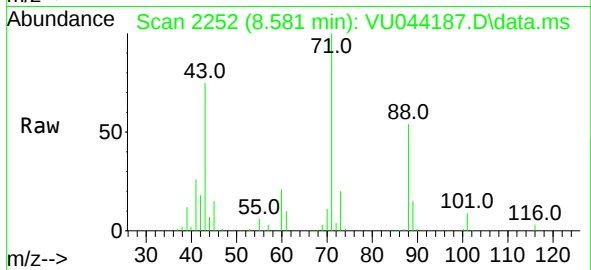




#56
Ethyl methacrylate
Concen: 0.366 ug/l
RT: 8.581 min Scan# 2252
Delta R.T. 0.241 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

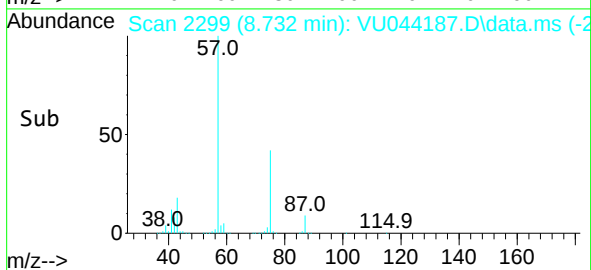
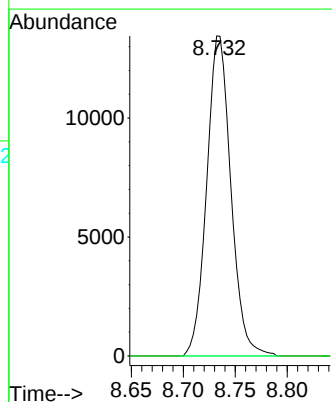
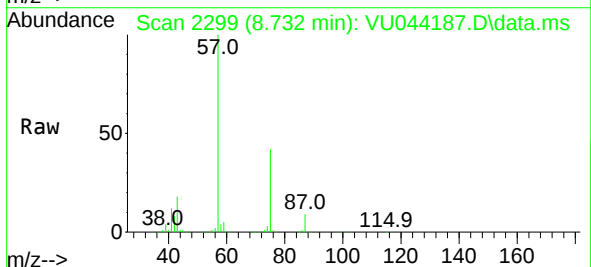
Instrument :
MSVOA_U
ClientSampleId :

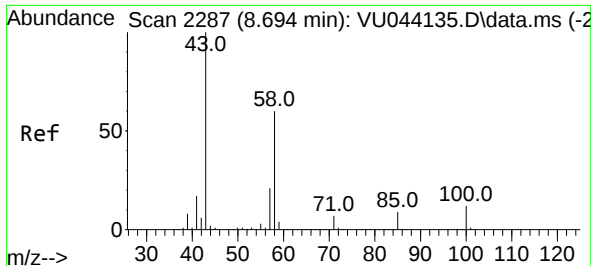
Tgt Ion: 69 Resp: 1359
Ion Ratio Lower Upper
69 100
41 895.6 48.4 72.6#
39 453.9 23.6 35.4#



#57
1,3-Dichloropropane
Concen: 5.057 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Tgt Ion: 76 Resp: 21806
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

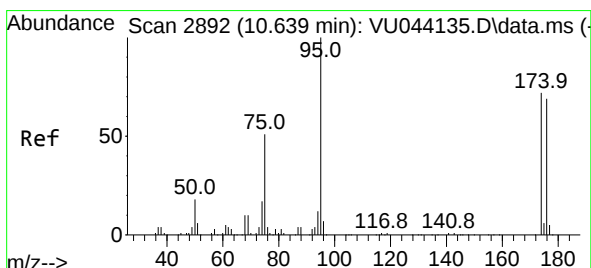
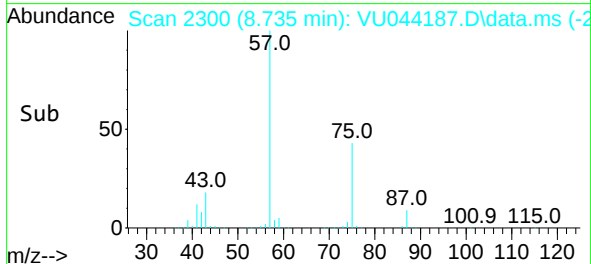
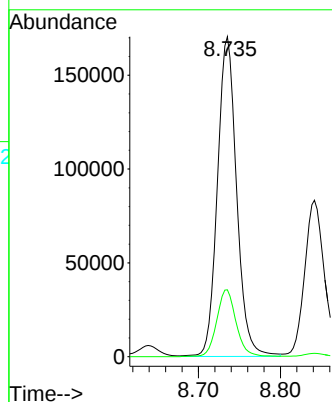
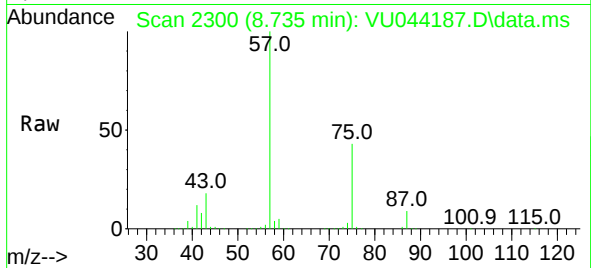




#59
2-Hexanone
Concen: 85.887 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

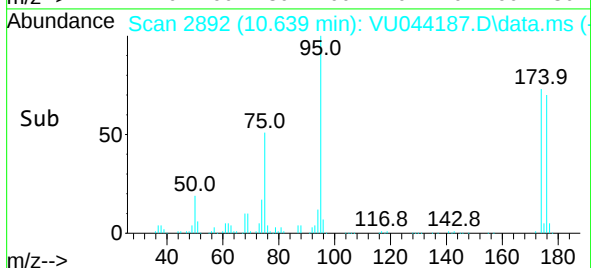
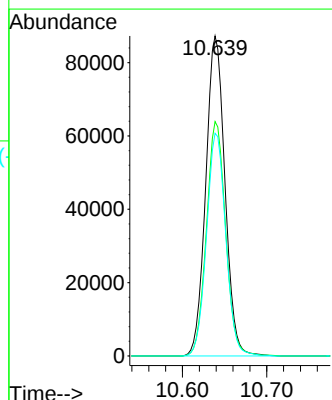
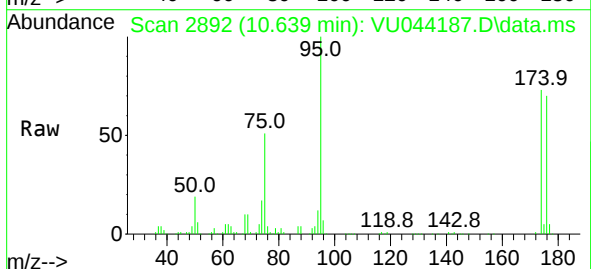
Instrument :
MSVOA_U
ClientSampled :

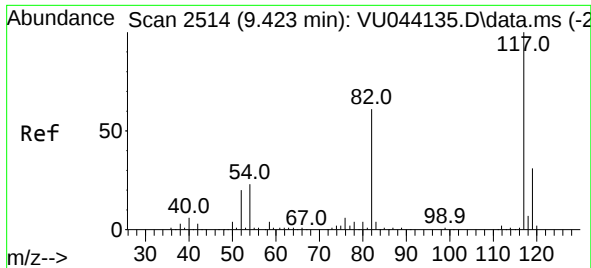
Tgt Ion: 43 Resp: 277707
Ion Ratio Lower Upper
43 100
58 21.3 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 43.653 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Tgt Ion: 95 Resp: 138402
Ion Ratio Lower Upper
95 100
174 73.4 0.0 144.4
176 69.7 0.0 138.0

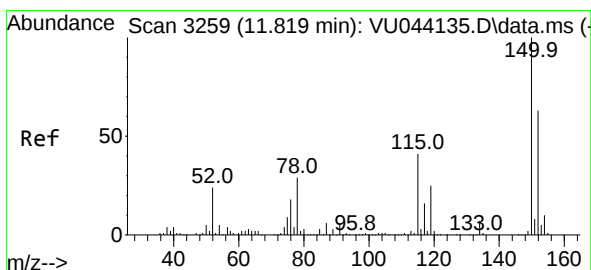
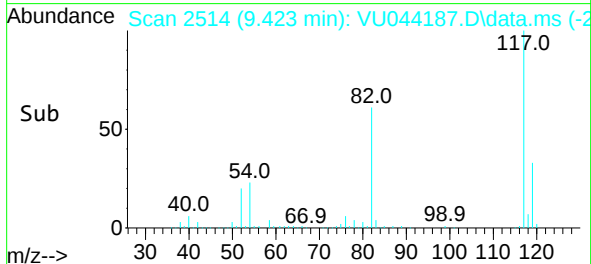
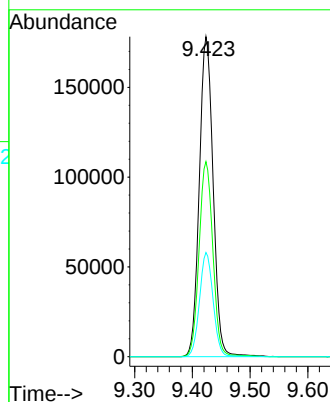
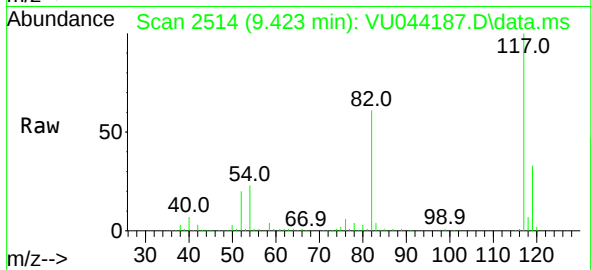




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

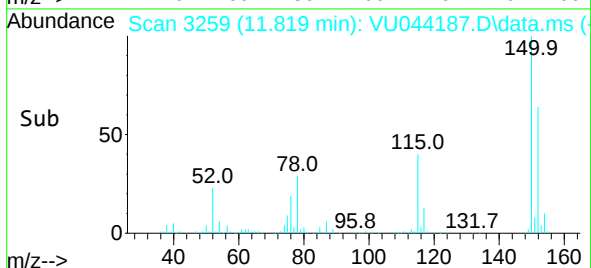
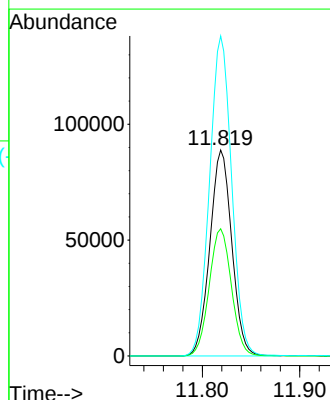
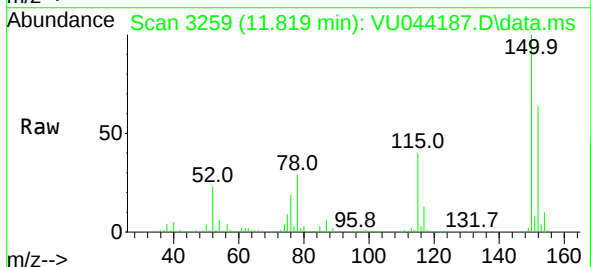
Instrument :
MSVOA_U
ClientSampleId :

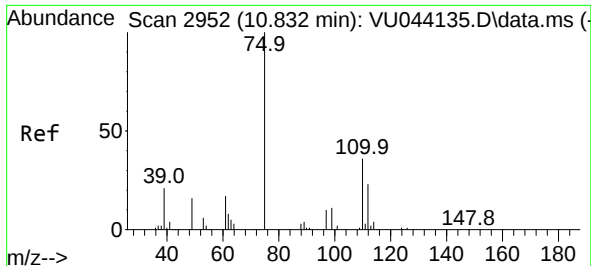
Tgt Ion:117 Resp: 296265
Ion Ratio Lower Upper
117 100
82 61.0 48.8 73.2
119 32.6 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

Tgt Ion:152 Resp: 139289
Ion Ratio Lower Upper
152 100
115 62.4 43.8 131.3
150 156.3 0.0 350.6

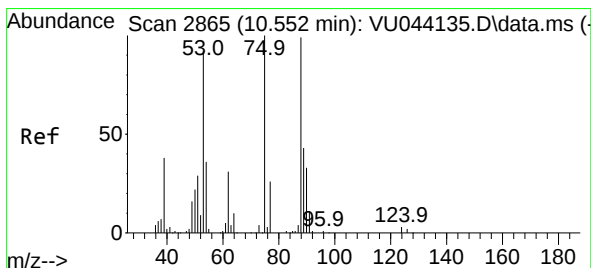
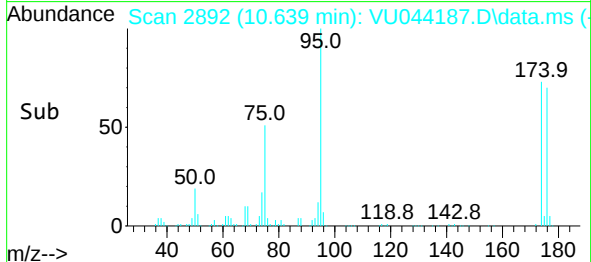
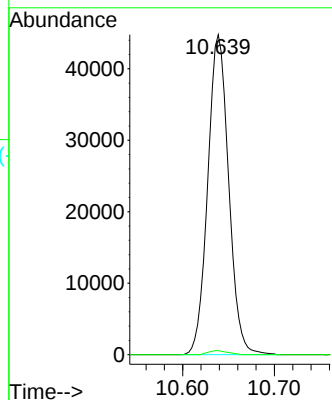
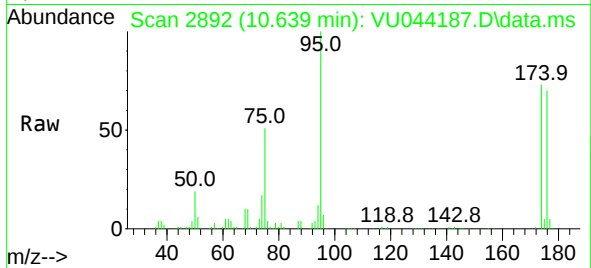




#76
1,2,3-Trichloropropane
Concen: 15.173 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

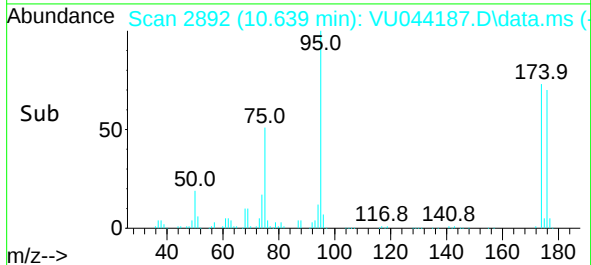
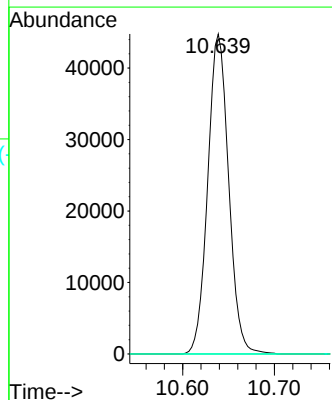
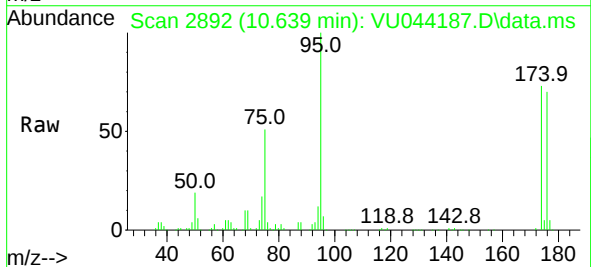
Instrument :
MSVOA_U
ClientSampled :

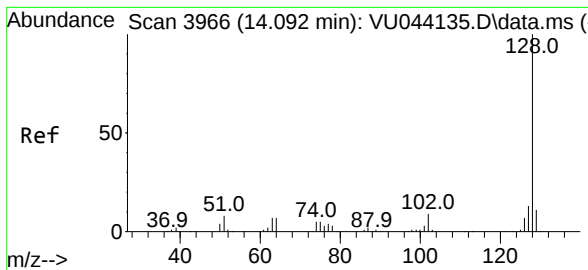
Tgt Ion: 75 Resp: 70858
Ion Ratio Lower Upper
75 100
77 1.2 14.9 44.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.001 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044187.D
Acq: 14 Jun 2021 17:28

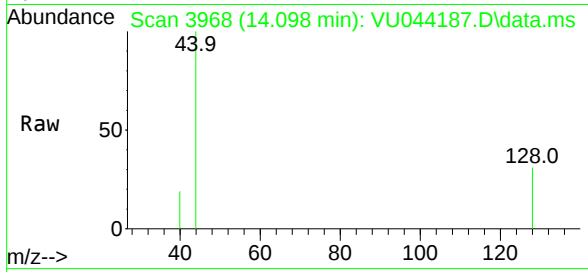
Tgt Ion: 75 Resp: 70858
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#





#95
 Naphthalene
 Concen: 2.860 ug/l
 RT: 14.098 min Scan# 3968
 Delta R.T. 0.006 min
 Lab File: VU044187.D
 Acq: 14 Jun 2021 17:28

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:128 Resp: 251
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 13.0#

