

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044206.D
 Acq On : 15 Jun 2021 01:37
 Operator : SY/MD
 Sample : M2687-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:00:05 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)

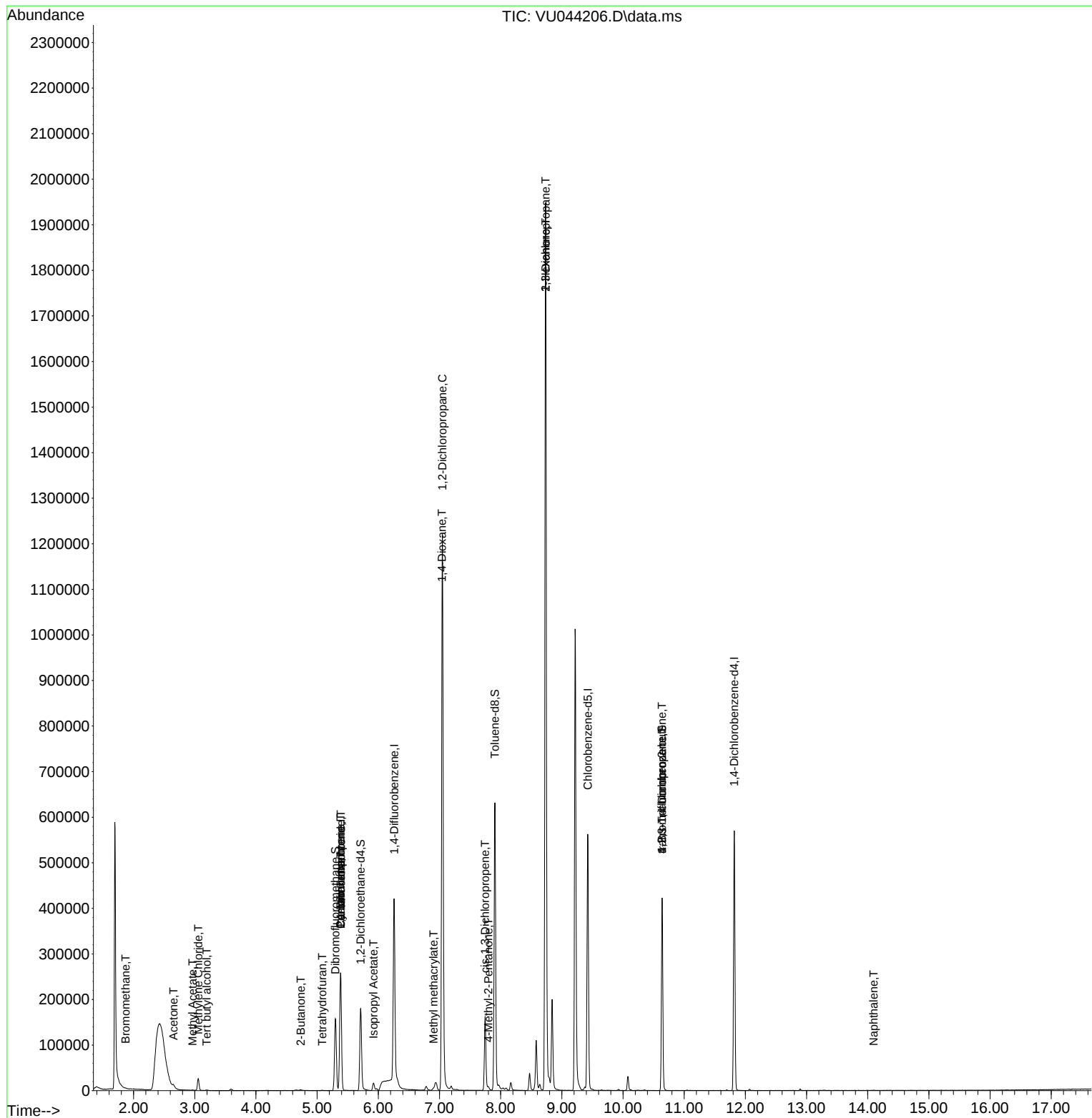
Internal Standards						
1) Pentafluorobenzene	5.385	168	173775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	318025	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	309180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	145748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	133051	48.146	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.300%	
35) Dibromofluoromethane	5.298	113	103840	46.938	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.880%	
50) Toluene-d8	7.906	98	408065	48.029	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.060%	
62) 4-Bromofluorobenzene	10.639	95	144626	42.477	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	327	Below Cal	#	84
5) Bromomethane	1.867	94	245	0.203	ug/l	97
6) Chloroethane	1.925	64	103	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	672	0.904	ug/l	# 73
13) Acrolein	2.501	56	330	Below Cal		97
16) Acetone	2.652	43	12042	6.352	ug/l	93
18) Methyl Acetate	2.964	43	1577	0.444	ug/l	# 61
20) Methylene Chloride	3.057	84	13264	4.229	ug/l	91
25) 2-Butanone	4.732	43	2839	1.231	ug/l	99
29) Tetrahydrofuran	5.083	42	689	0.550	ug/l	# 52
31) Cyclohexane	5.382	56	3669	0.941	ug/l	# 1
36) 1,1-Dichloropropene	5.382	75	15246	4.309	ug/l	# 51
38) Carbon Tetrachloride	5.385	117	18011	5.638	ug/l	# 17
43) Isopropyl Acetate	5.922	43	18130	3.016	ug/l	99
45) 1,2-Dichloropropane	7.047	63	1792	0.629	ug/l	# 43
48) Methyl methacrylate	6.903	41	7136	2.439	ug/l	# 11
49) 1,4-Dioxane	7.041	88	21	0.274	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.800	43	4100	0.942	ug/l	95
54) cis-1,3-Dichloropropene	7.745	75	30963	7.261	ug/l	# 63
57) 1,3-Dichloropropane	8.735	76	21731	4.692	ug/l	# 42
59) 2-Hexanone	8.735	43	267564	77.056	ug/l	# 48
76) 1,2,3-Trichloropropane	10.639	75	73100	14.959	ug/l	# 48
81) trans-1,4-Dichloro-2-b...	10.639	75	73100	54.227	ug/l	# 13
95) Naphthalene	14.095	128	728	2.903	ug/l	# 69

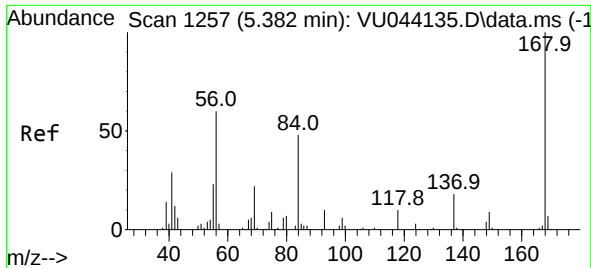
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 15 Jun 2021 01:37
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Quant Time: Jun 15 05:00:05 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

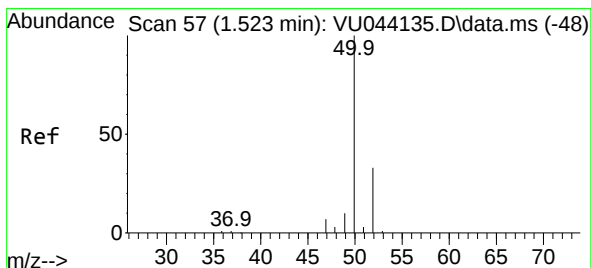
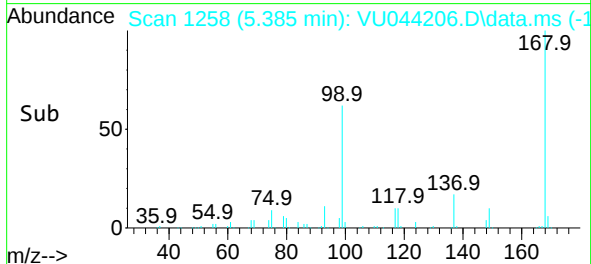
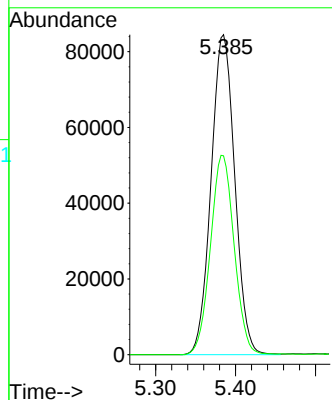
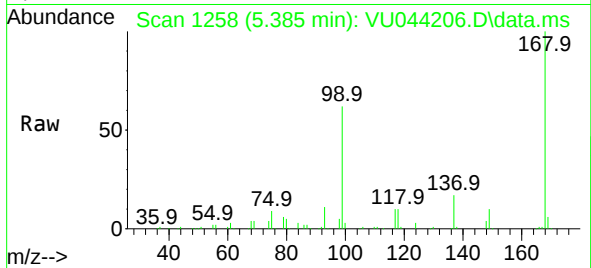




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

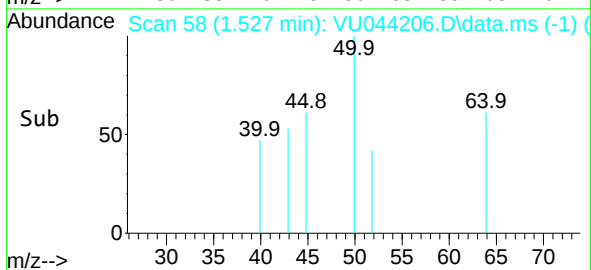
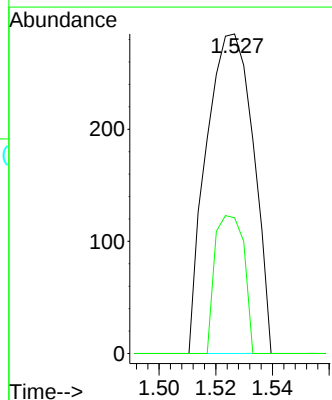
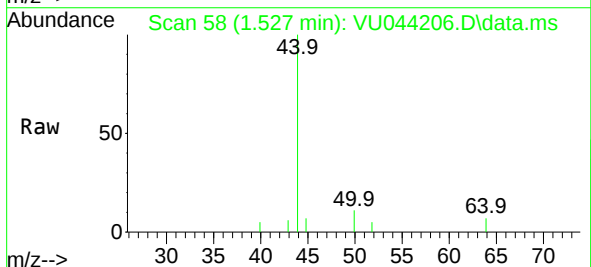
Instrument :
MSVOA_U
ClientSampled :

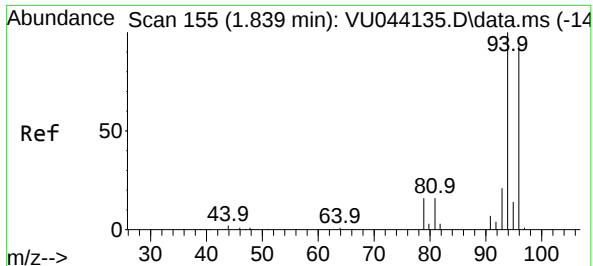
Tgt Ion:168 Resp: 173775
Ion Ratio Lower Upper
168 100
99 62.1 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 50 Resp: 327
Ion Ratio Lower Upper
50 100
52 42.5 26.6 39.8#





#5

Bromomethane

Concen: 0.203 ug/l

RT: 1.867 min Scan# 164

Delta R.T. 0.028 min

Lab File: VU044206.D

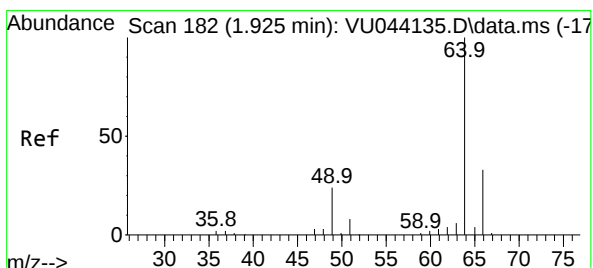
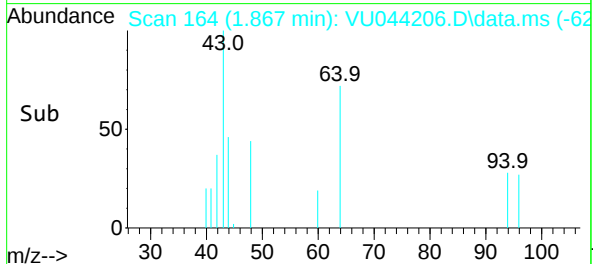
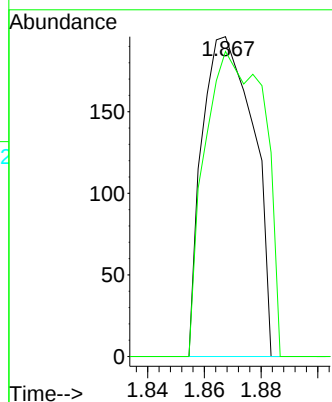
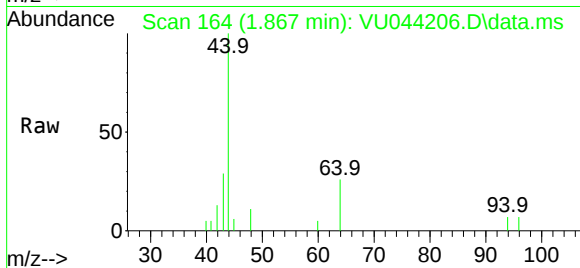
Acq: 15 Jun 2021 01:37

Tgt Ion: 94 Resp: 245

Ion Ratio Lower Upper

94 100

96 95.4 74.1 111.1



#6

Chloroethane

Concen: Below Cal

RT: 1.925 min Scan# 182

Delta R.T. 0.000 min

Lab File: VU044206.D

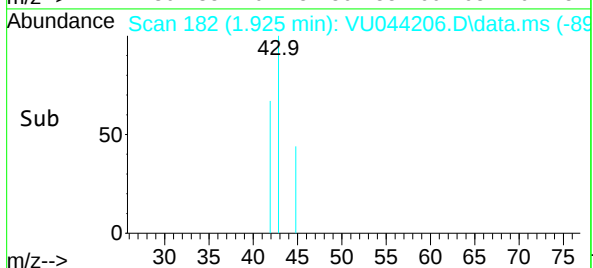
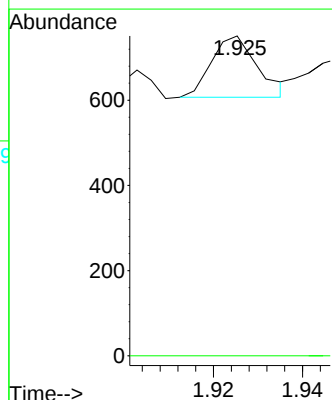
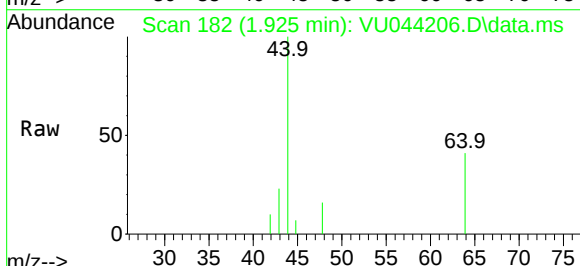
Acq: 15 Jun 2021 01:37

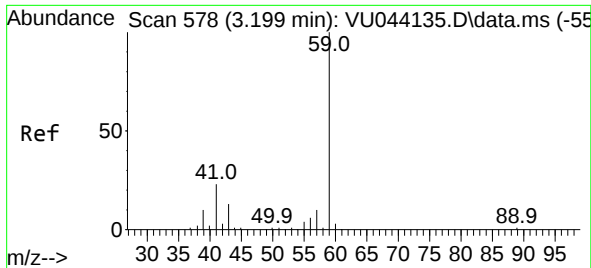
Tgt Ion: 64 Resp: 103

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

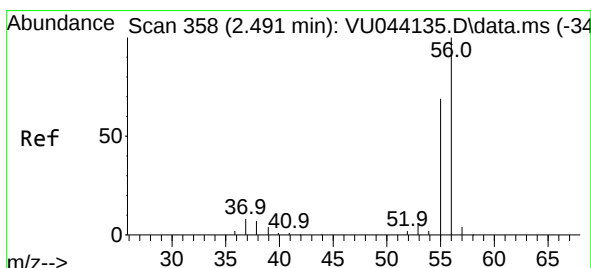
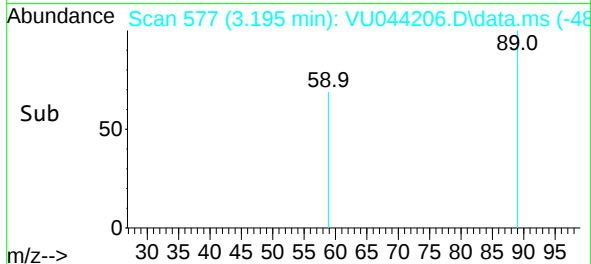
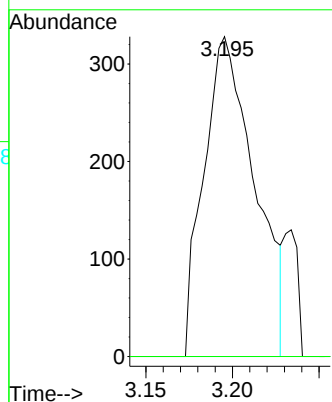
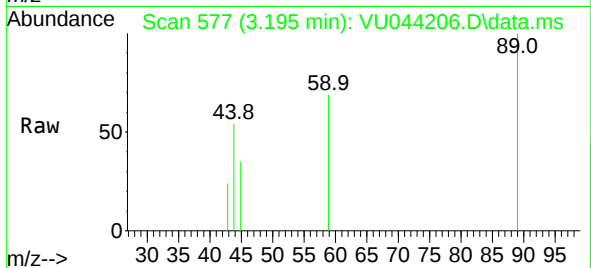




#11
Tert butyl alcohol
Concen: 0.904 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.004 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

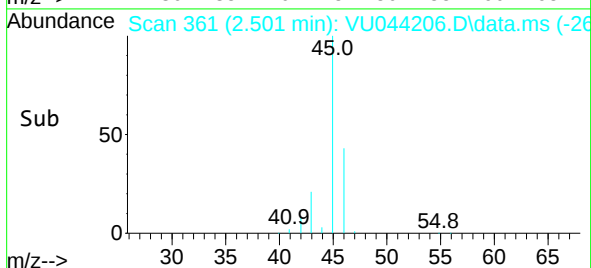
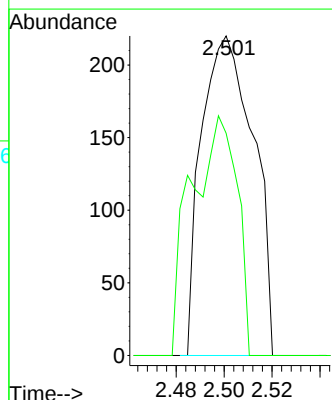
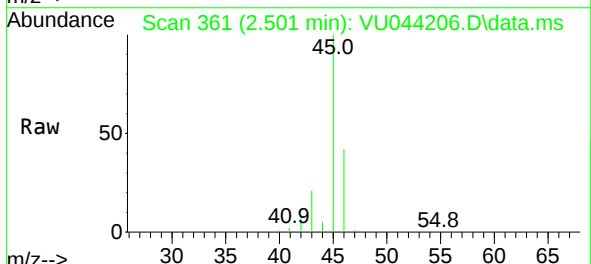
Instrument :
MSVOA_U
ClientSampled :

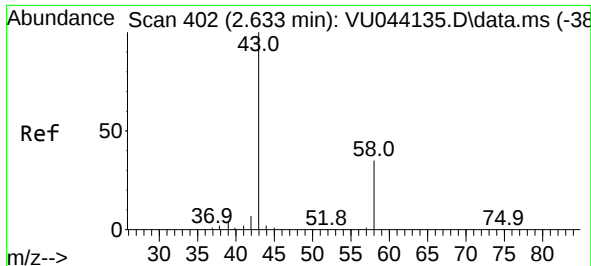
Tgt Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: Below Cal
RT: 2.501 min Scan# 361
Delta R.T. 0.010 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 66.4 55.1 82.7

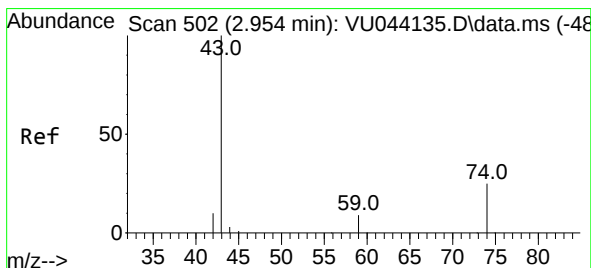
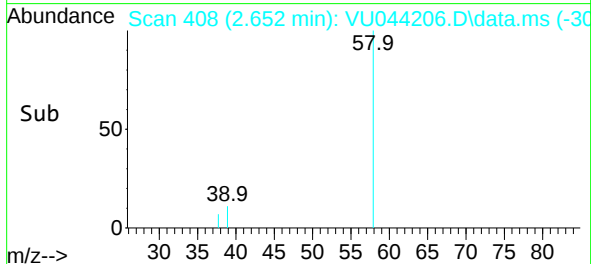
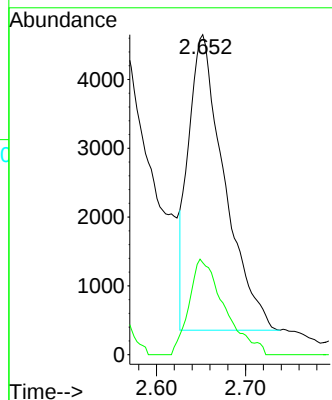
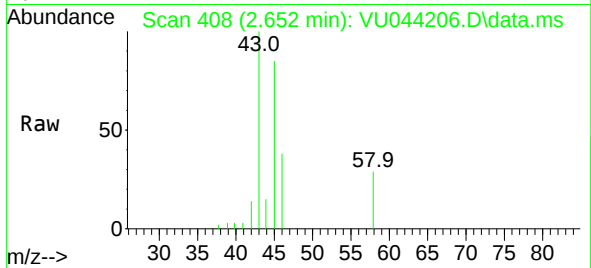




#16
Acetone
Concen: 6.352 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.019 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

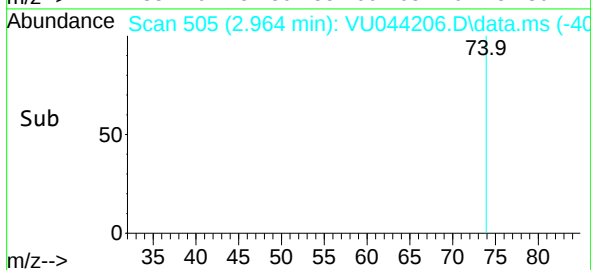
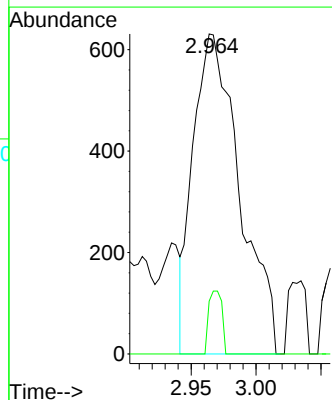
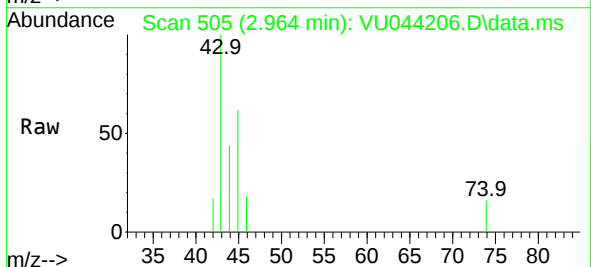
Instrument :
MSVOA_U
ClientSampled :

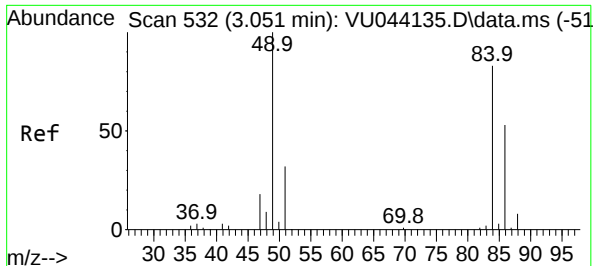
Tgt Ion: 43 Resp: 12042
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.444 ug/l
RT: 2.964 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 43 Resp: 1577
Ion Ratio Lower Upper
43 100
74 5.6 20.3 30.5#





#20

Methylene Chloride

Concen: 4.229 ug/l

RT: 3.057 min Scan# 534

Delta R.T. 0.006 min

Lab File: VU044206.D

Acq: 15 Jun 2021 01:37

Tgt Ion: 84 Resp: 13264

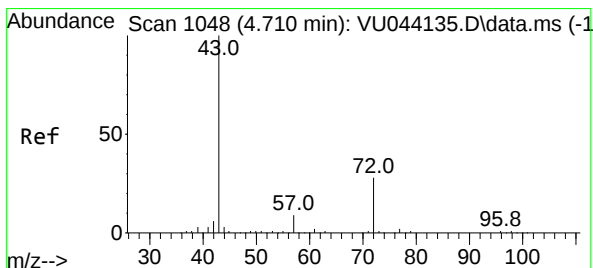
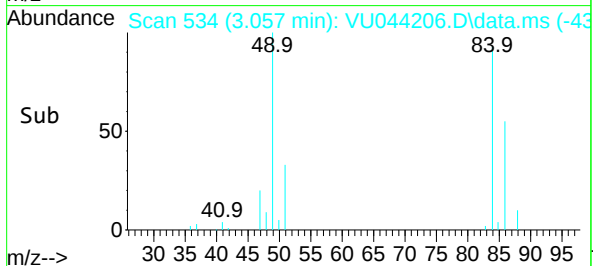
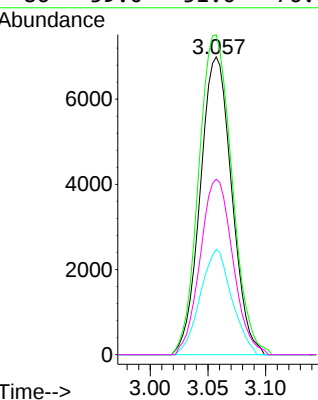
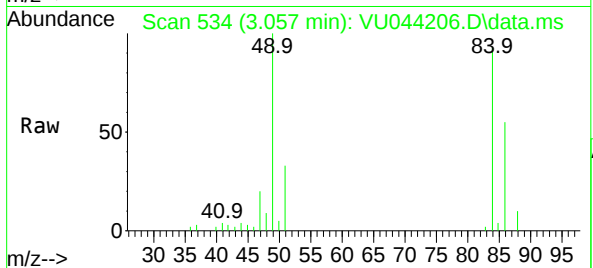
Ion Ratio Lower Upper

84 100

49 107.5 96.9 145.3

51 35.4 31.0 46.6

86 59.0 51.0 76.6



#25

2-Butanone

Concen: 1.231 ug/l

RT: 4.732 min Scan# 1055

Delta R.T. 0.022 min

Lab File: VU044206.D

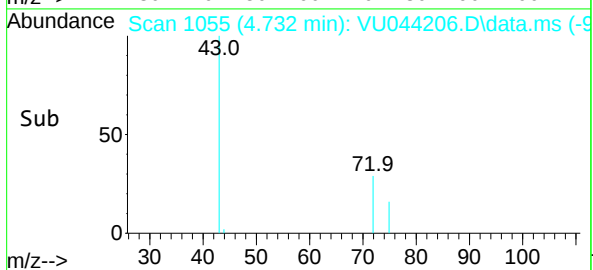
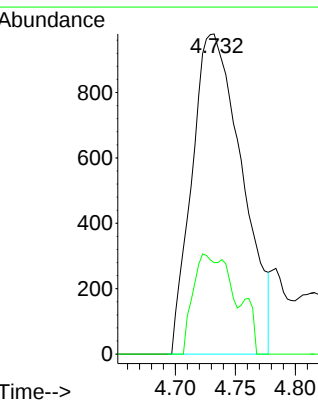
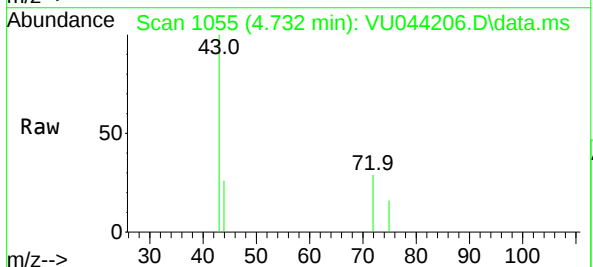
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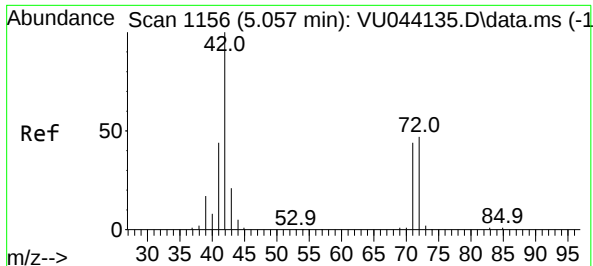
Tgt Ion: 43 Resp: 2839

Ion Ratio Lower Upper

43 100

72 28.6 22.6 33.8





#29

Tetrahydrofuran

Concen: 0.550 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.026 min

Lab File: VU044206.D

Acq: 15 Jun 2021 01:37

Tgt Ion: 42 Resp: 689

Ion Ratio Lower Upper

42 100

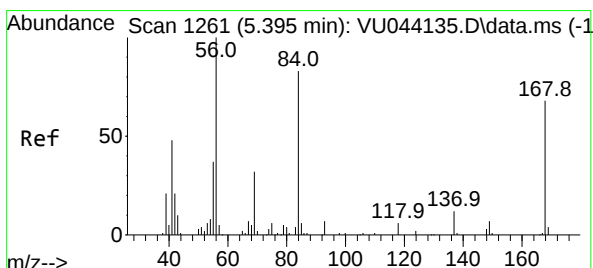
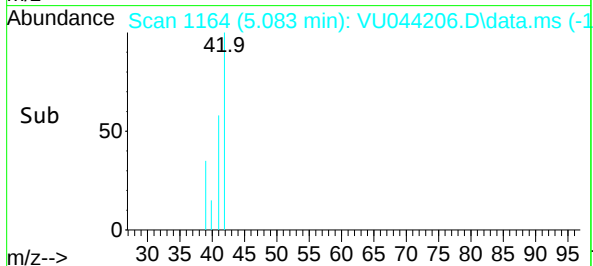
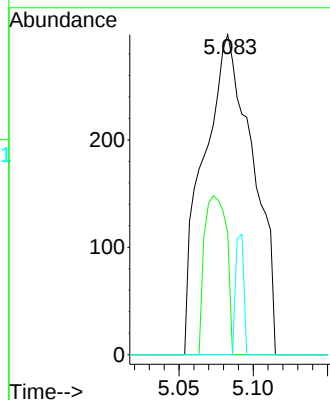
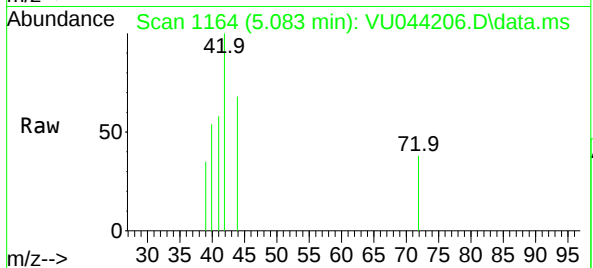
72 22.1 38.6 57.8#

71 6.1 35.5 53.3#

Instrument :

MSVOA_U

ClientSampled :



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU044206.D

Acq: 15 Jun 2021 01:37

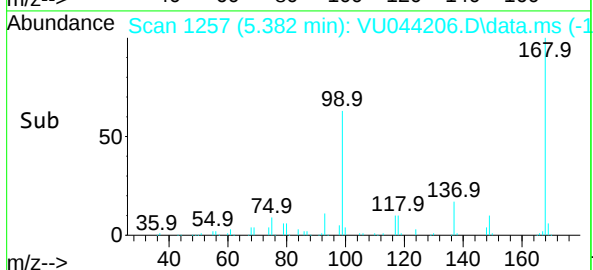
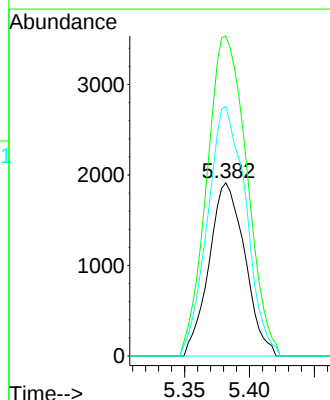
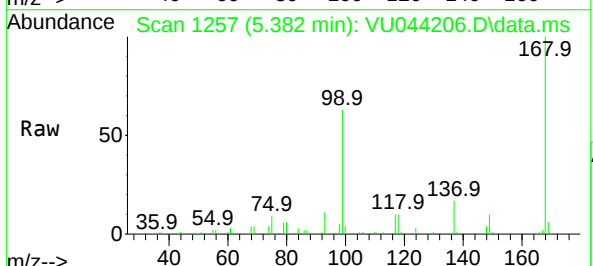
Tgt Ion: 56 Resp: 3669

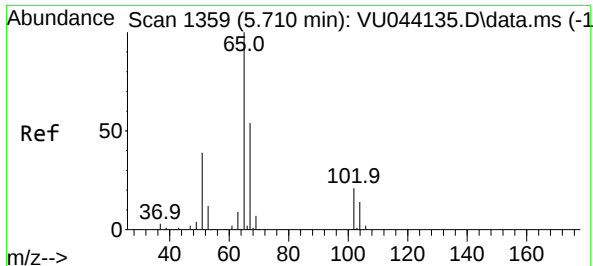
Ion Ratio Lower Upper

56 100

69 184.8 25.5 38.3#

84 144.2 66.3 99.5#

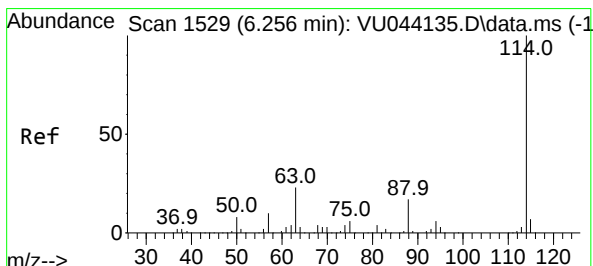
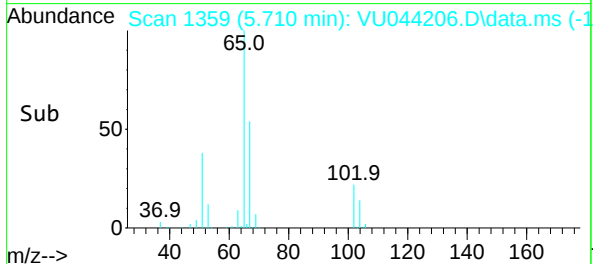
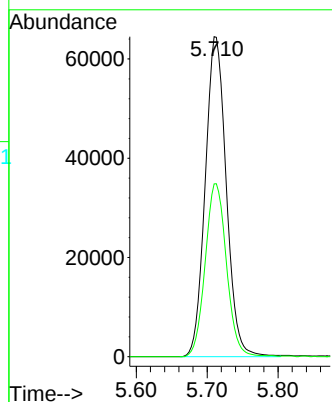
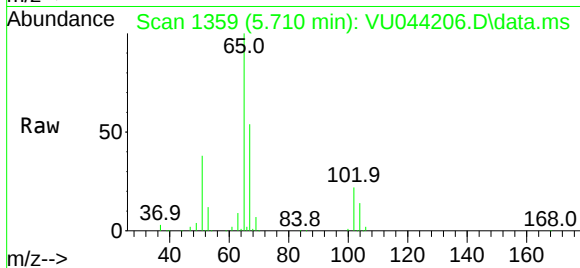




#33
1,2-Dichloroethane-d4
Concen: 48.146 ug/l
RT: 5.710 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

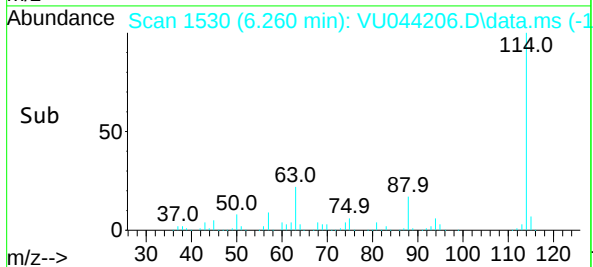
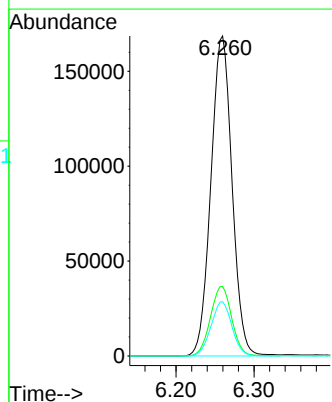
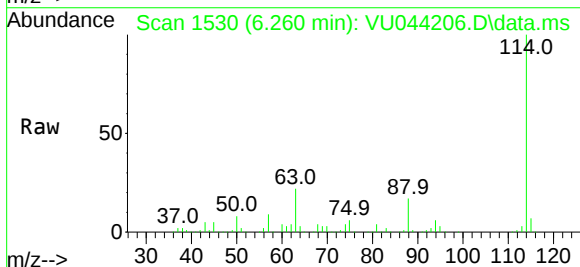
Instrument :
MSVOA_U
ClientSampled :

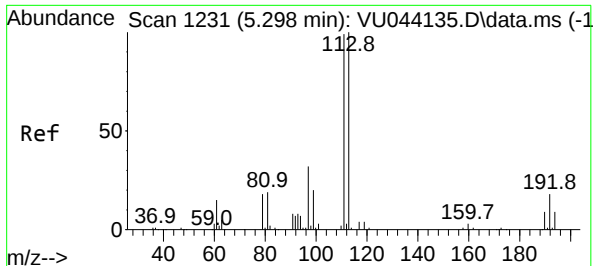
Tgt Ion: 65 Resp: 133051
Ion Ratio Lower Upper
65 100
67 54.5 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.004 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 114 Resp: 318025
Ion Ratio Lower Upper
114 100
63 21.7 0.0 45.8
88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.938 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044206.D

Acq: 15 Jun 2021 01:37

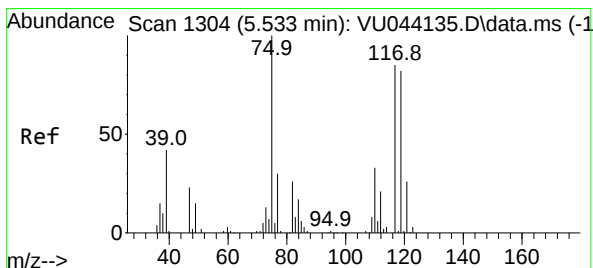
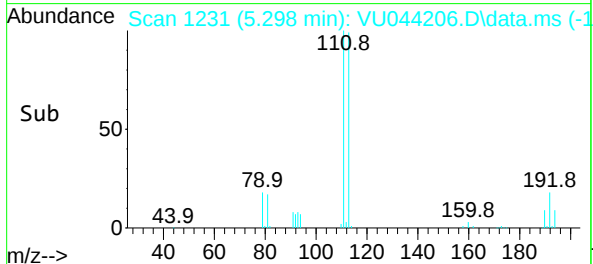
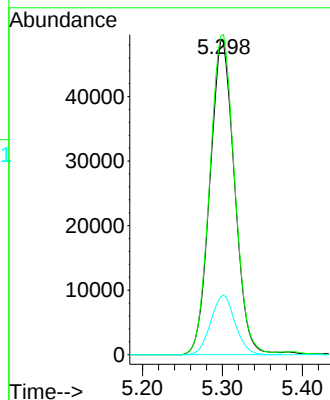
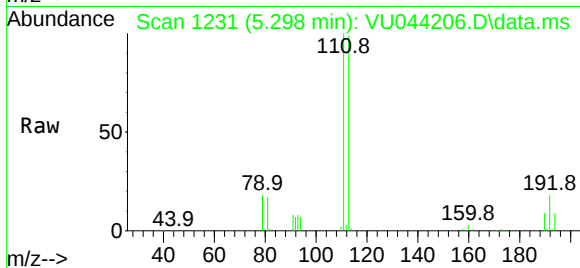
Tgt Ion:113 Resp: 103840

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

192 18.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044206.D

Acq: 15 Jun 2021 01:37

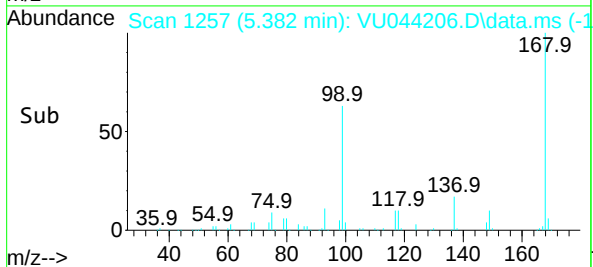
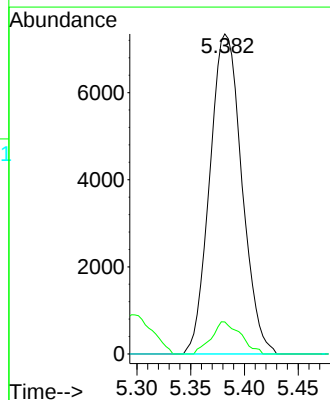
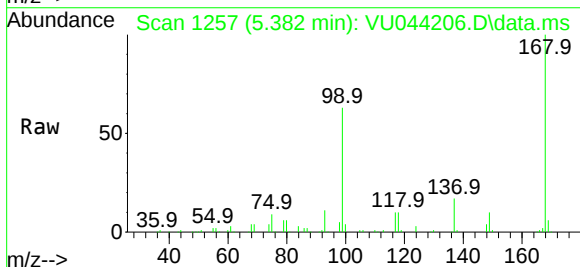
Tgt Ion: 75 Resp: 15246

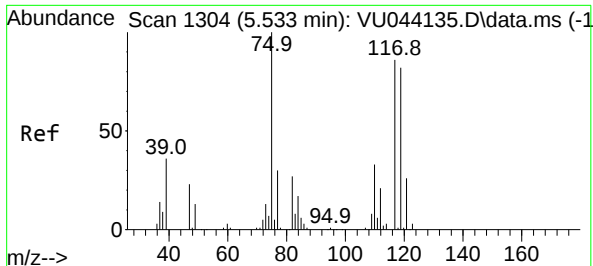
Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.4#

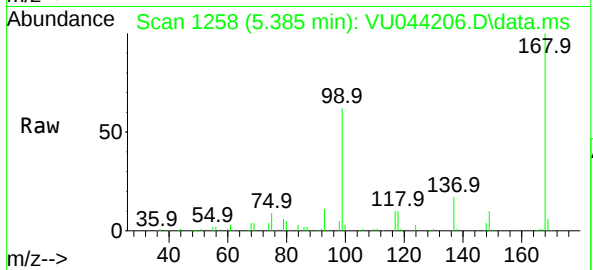
77 0.0 24.7 37.1#



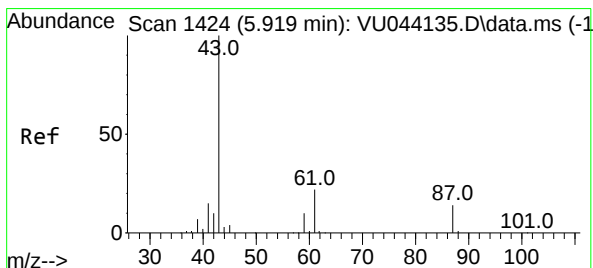
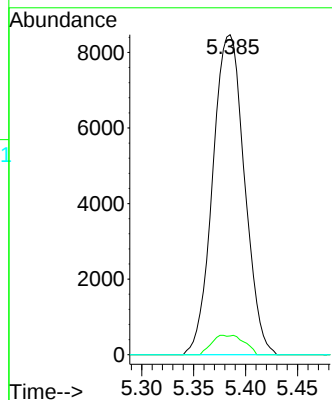
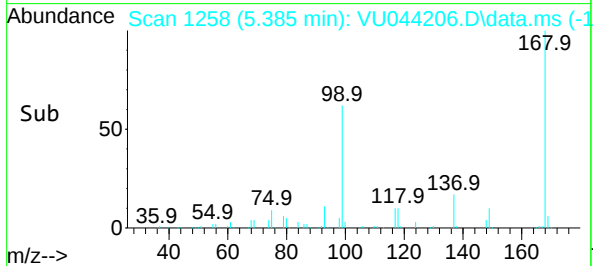


#38
Carbon Tetrachloride
Concen: 5.638 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

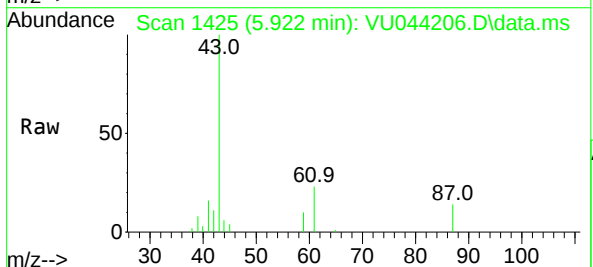
Instrument :
MSVOA_U
ClientSampled :



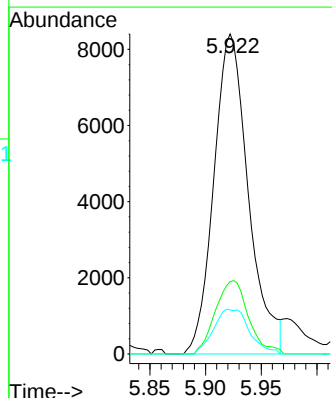
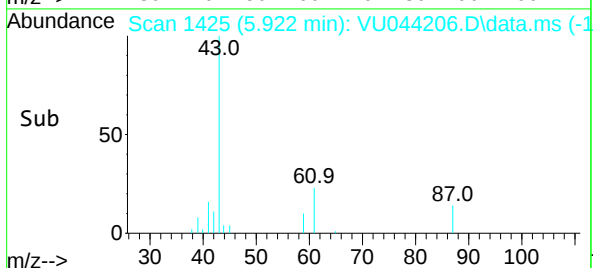
Tgt Ion:117 Resp: 18011
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.0 24.6 36.8#

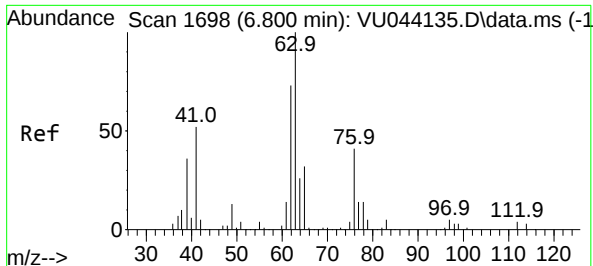


#43
Isopropyl Acetate
Concen: 3.016 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37



Tgt Ion: 43 Resp: 18130
Ion Ratio Lower Upper
43 100
61 22.0 17.8 26.8
87 14.4 11.1 16.7



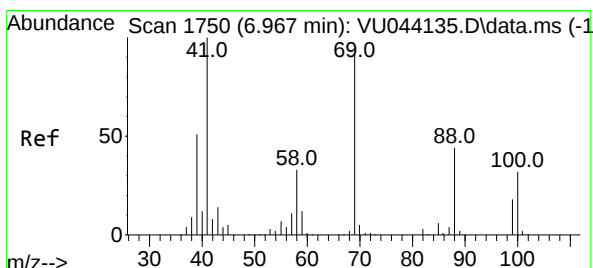
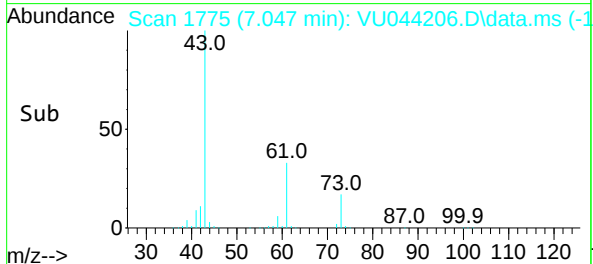
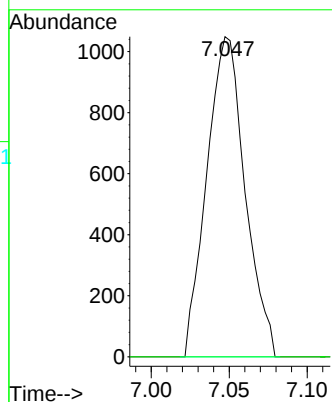
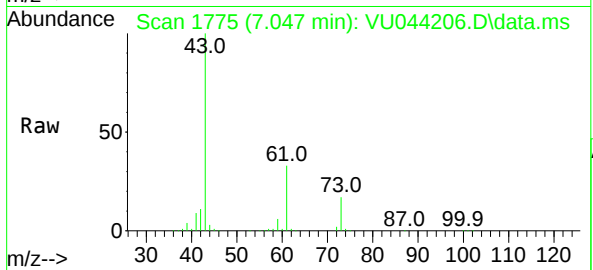


#45

1,2-Dichloropropane
Concen: 0.629 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Instrument :
MSVOA_U
ClientSampled :

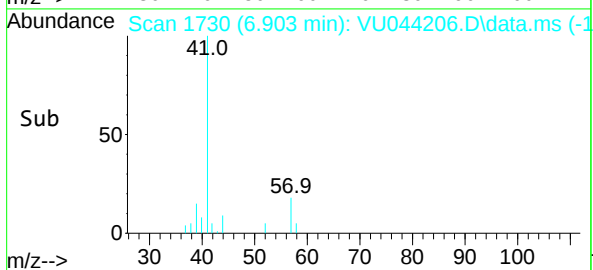
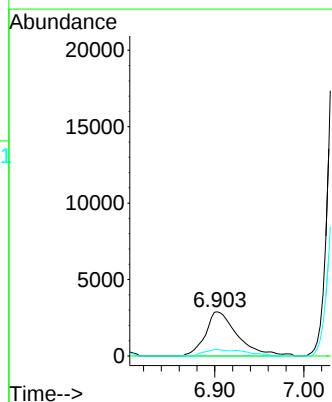
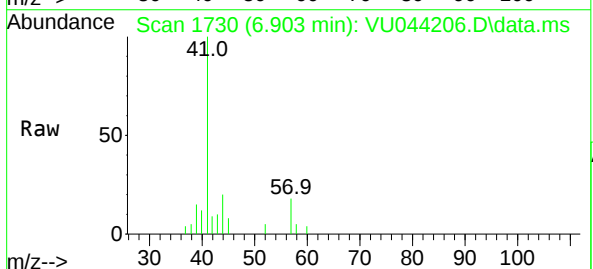
Tgt Ion: 63 Resp: 1792
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

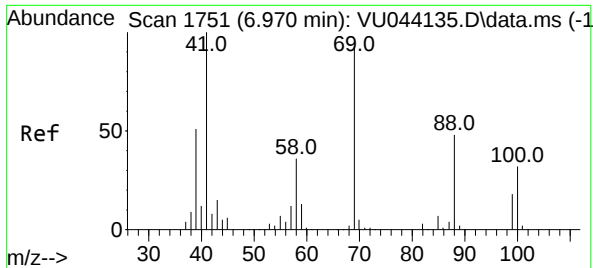


#48

Methyl methacrylate
Concen: 2.439 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.064 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 41 Resp: 7136
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: 0.274 ug/l

RT: 7.041 min Scan# 1773

Delta R.T. 0.071 min

Lab File: VU044206.D

Acq: 15 Jun 2021 01:37

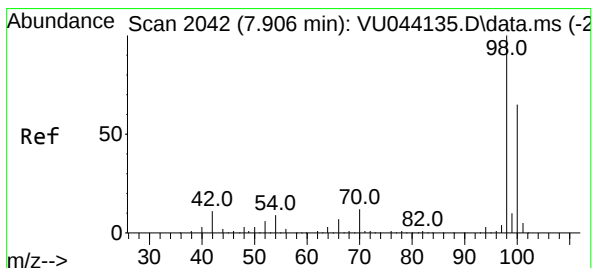
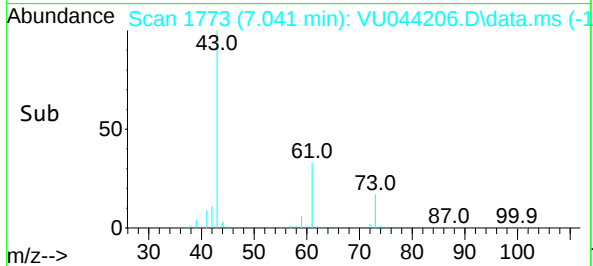
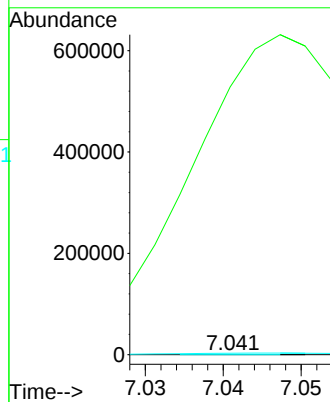
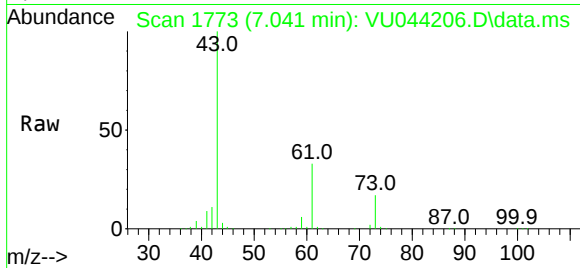
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 5426885.7 23.4 35.0#

58 29047.6 58.1 87.1#



#50

Toluene-d8

Concen: 48.029 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044206.D

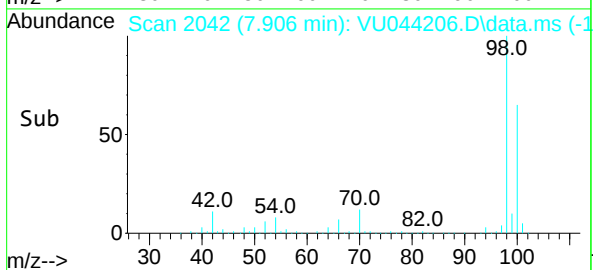
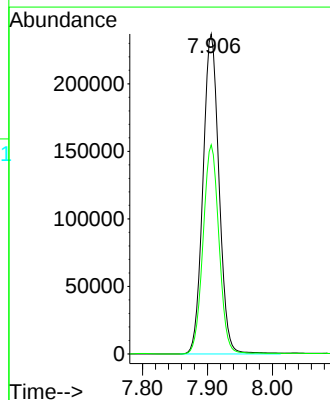
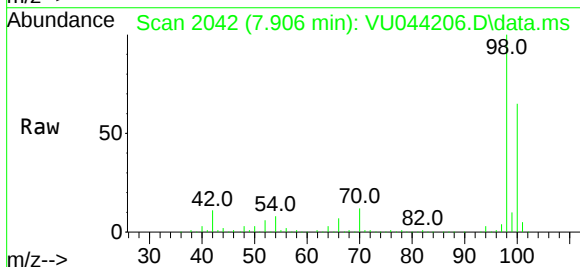
Acq: 15 Jun 2021 01:37

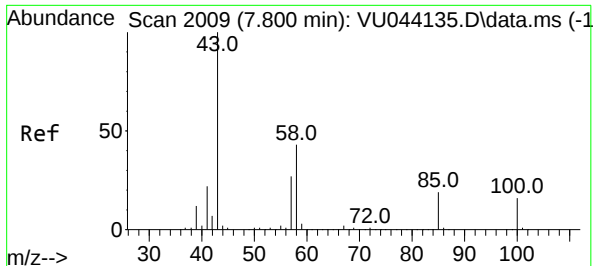
Tgt Ion: 98 Resp: 408065

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.4

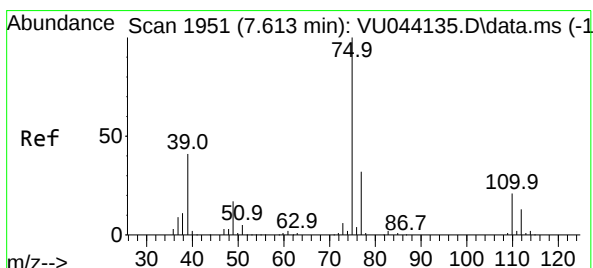
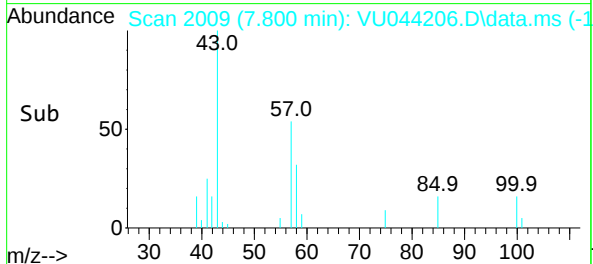
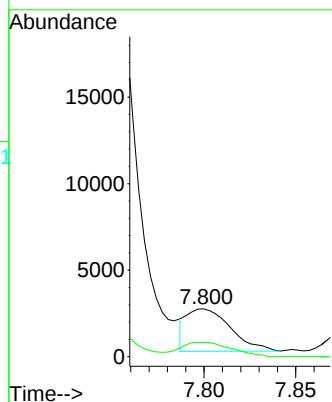
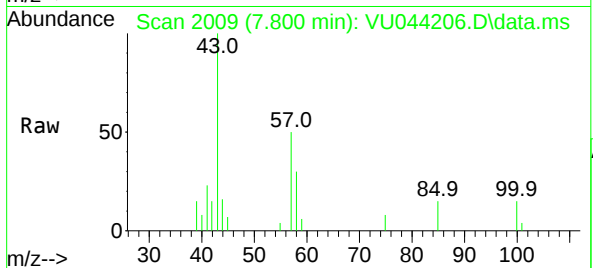




#51
4-Methyl-2-Pentanone
Concen: 0.942 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

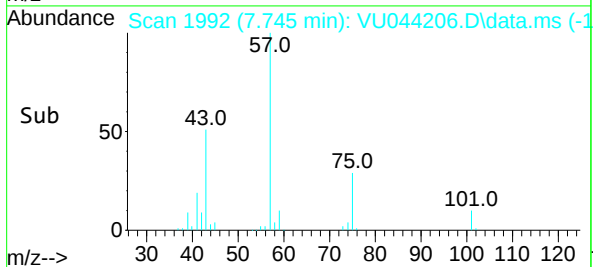
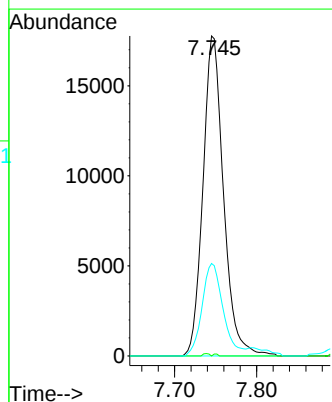
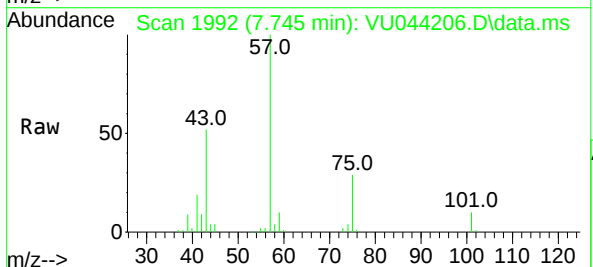
Instrument :
MSVOA_U
ClientSampled :

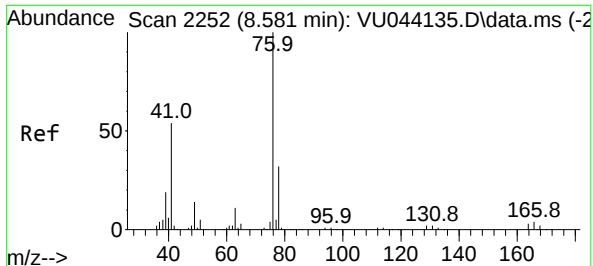
Tgt Ion: 43 Resp: 4100
Ion Ratio Lower Upper
43 100
58 39.8 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 7.261 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 75 Resp: 30963
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 28.9 33.2 49.8#



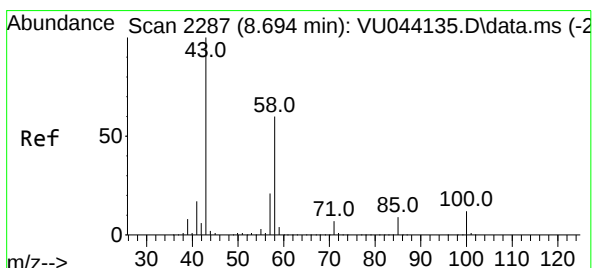
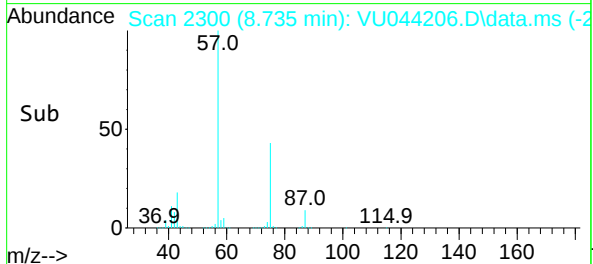
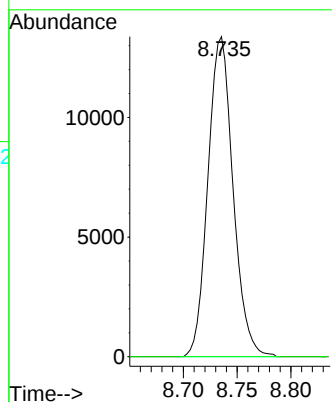
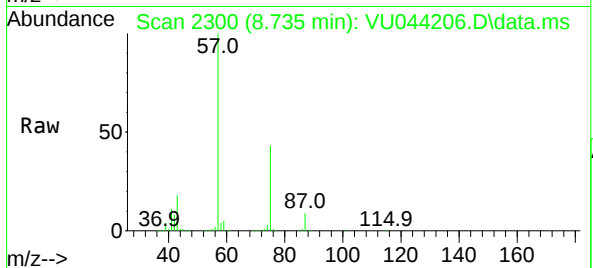


#57

1,3-Dichloropropane
Concen: 4.692 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Instrument :
MSVOA_U
ClientSampled :

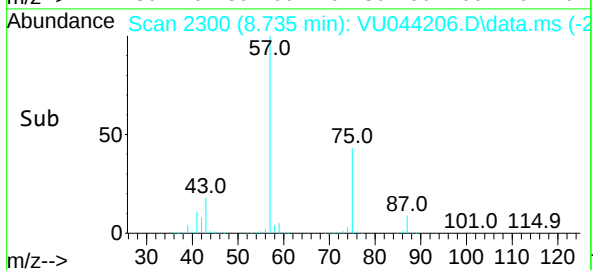
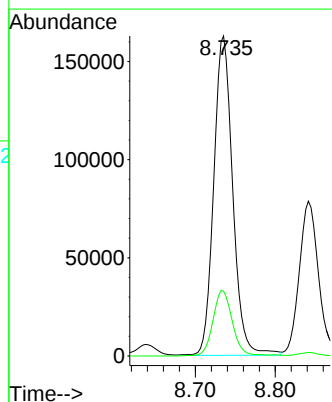
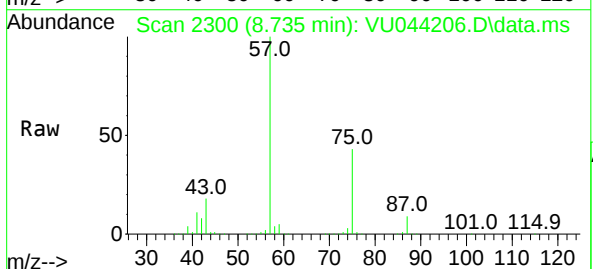
Tgt Ion: 76 Resp: 21731
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

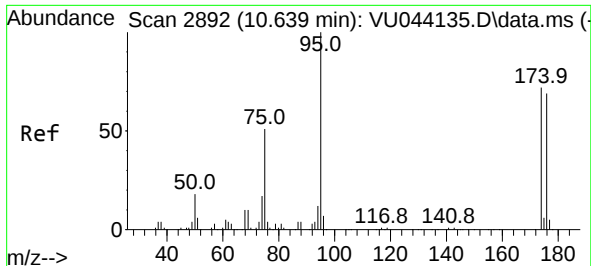


#59

2-Hexanone
Concen: 77.056 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 43 Resp: 267564
Ion Ratio Lower Upper
43 100
58 21.0 30.0 90.1#

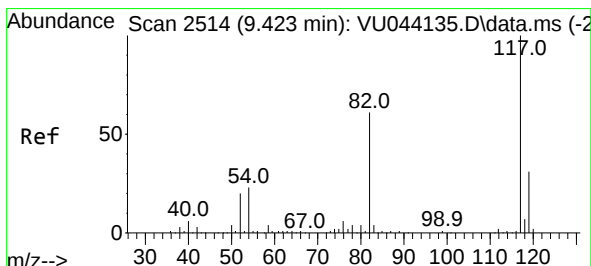
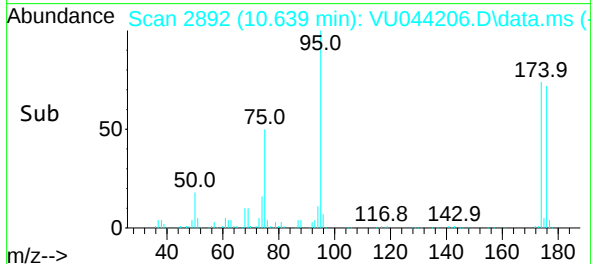
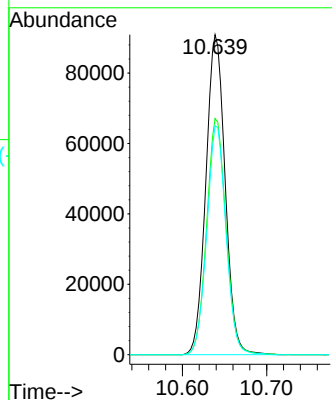
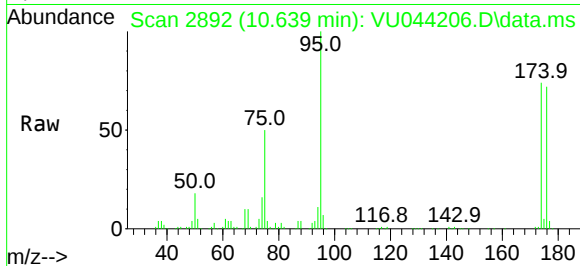




#62
4-Bromofluorobenzene
Concen: 42.477 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

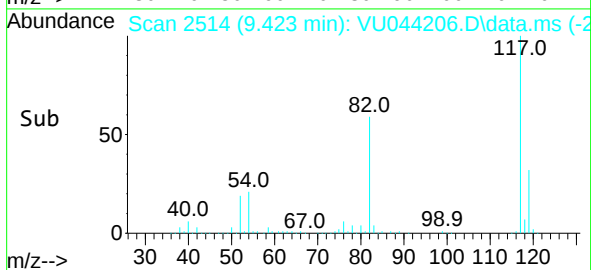
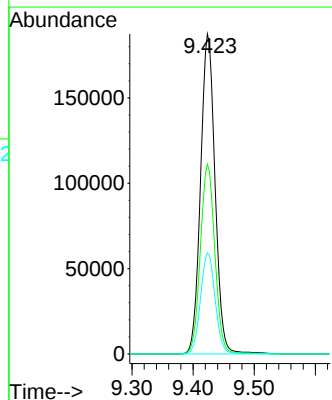
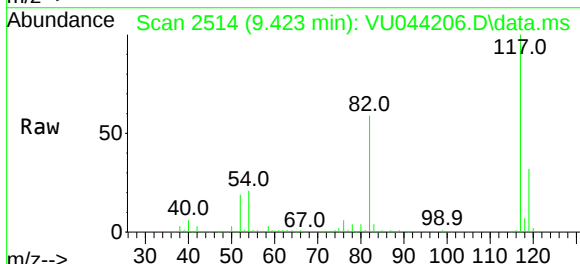
Instrument :
MSVOA_U
ClientSampleId :

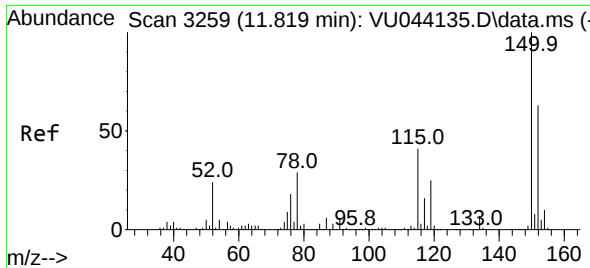
Tgt Ion: 95 Resp: 144626
Ion Ratio Lower Upper
95 100
174 74.5 0.0 144.4
176 71.3 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion: 117 Resp: 309180
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 31.6 25.0 37.6

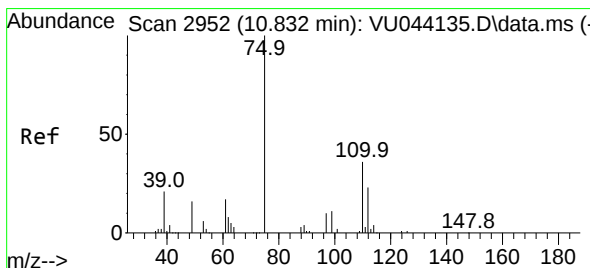
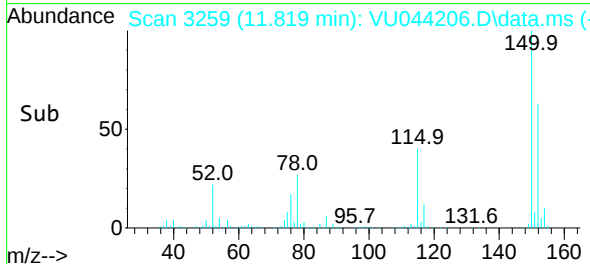
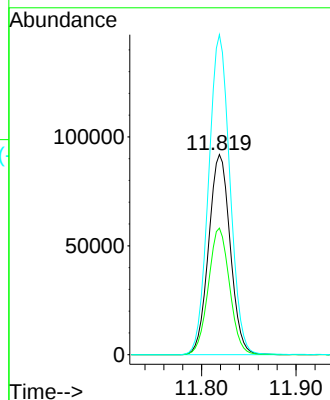
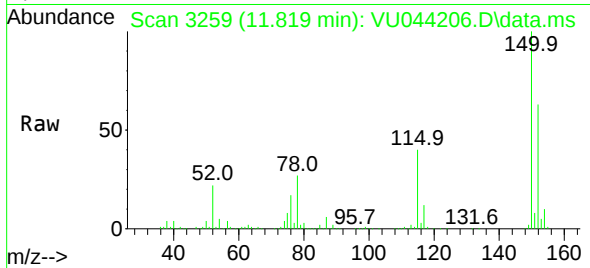




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044206.D
 Acq: 15 Jun 2021 01:37

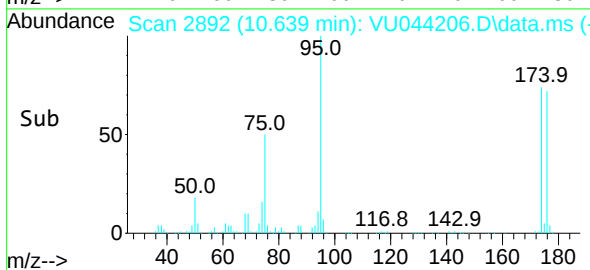
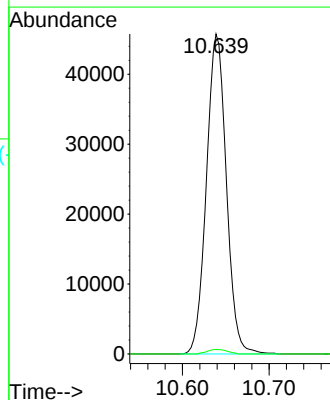
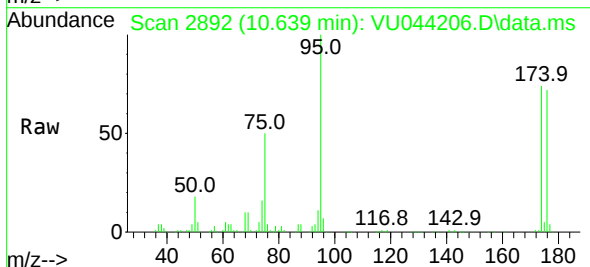
Instrument :
 MSVOA_U
 ClientSampled :

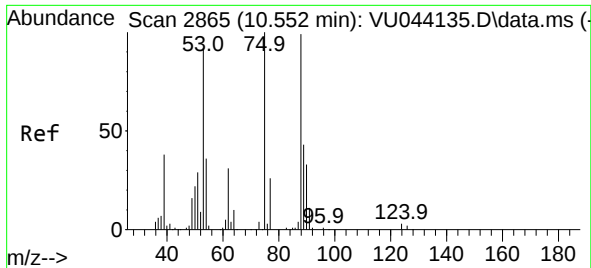
Tgt Ion:152 Resp: 145748
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.8 131.3
 150 158.2 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 14.959 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044206.D
 Acq: 15 Jun 2021 01:37

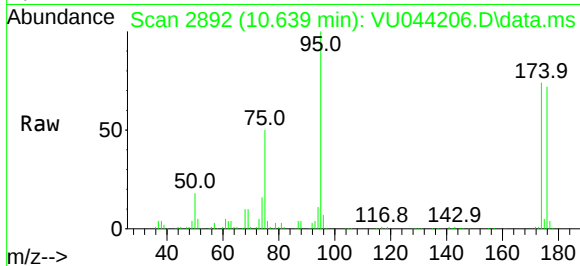
Tgt Ion: 75 Resp: 73100
 Ion Ratio Lower Upper
 75 100
 77 1.4 14.9 44.5#



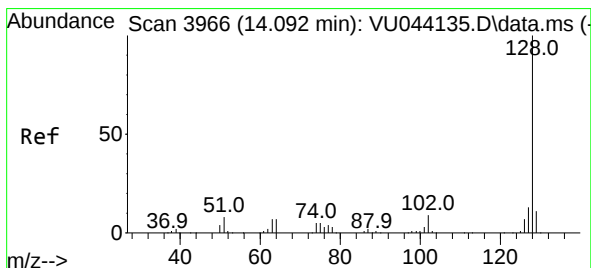
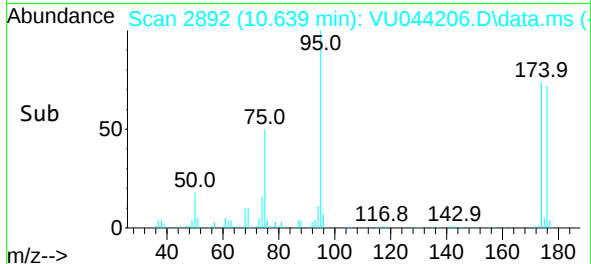
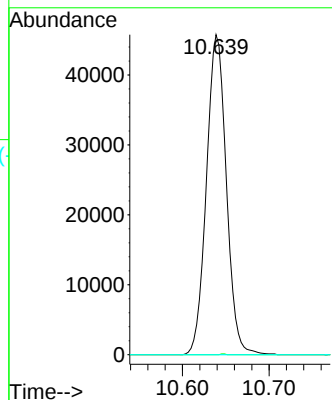


#81
trans-1,4-Dichloro-2-butene
Concen: 54.227 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 73100
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.903 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044206.D
Acq: 15 Jun 2021 01:37

Tgt Ion:128 Resp: 728
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

