

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044203.D
 Acq On : 15 Jun 2021 00:27
 Operator : SY/MD
 Sample : PB137053TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 04:59:17 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)

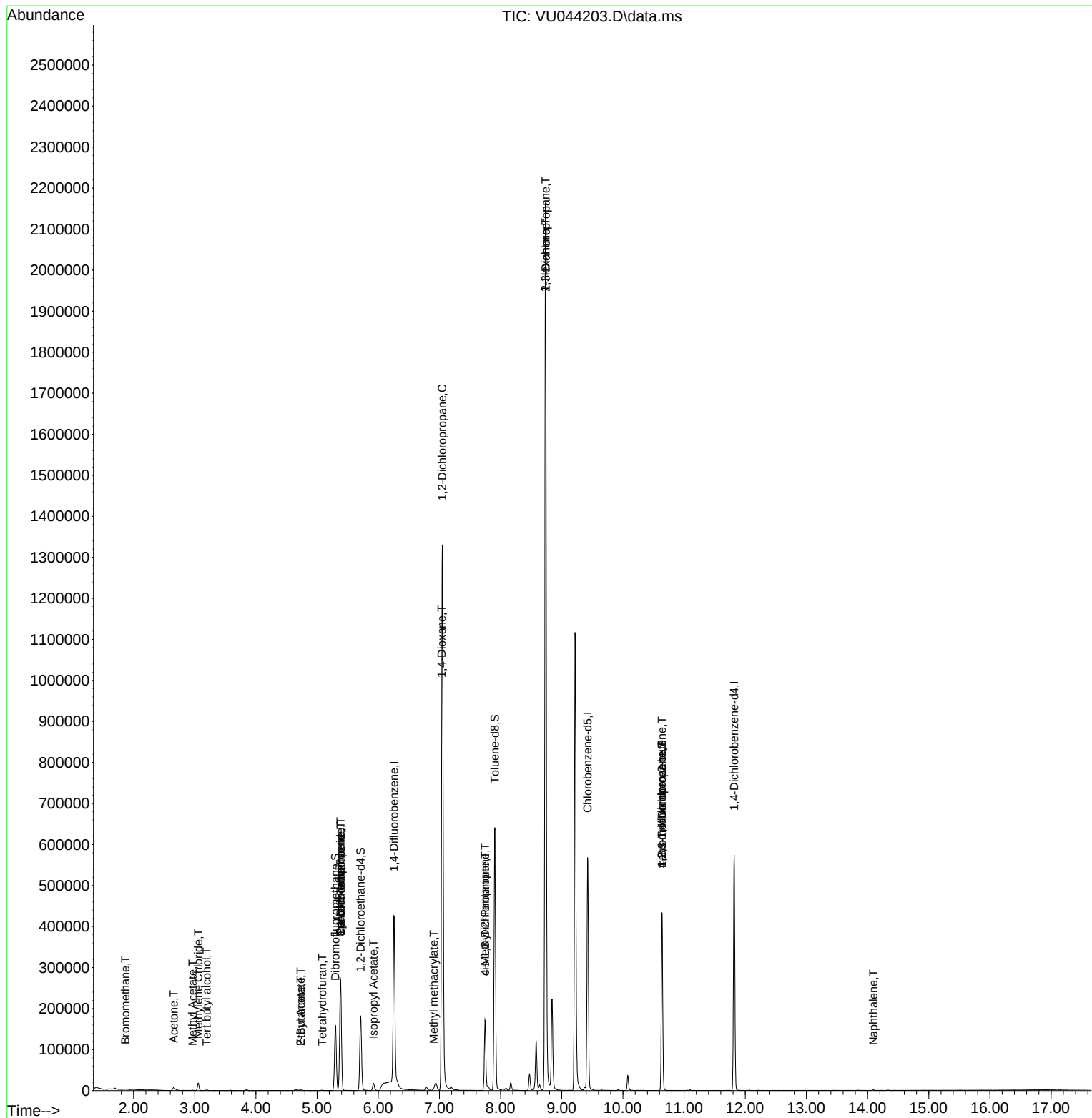
Internal Standards						
1) Pentafluorobenzene	5.385	168	178348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	321455	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	311636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	147467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	134548	47.440	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.880%	
35) Dibromofluoromethane	5.301	113	104252	46.622	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.240%	
50) Toluene-d8	7.906	98	413688	48.172	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.340%	
62) 4-Bromofluorobenzene	10.639	95	147009	42.716	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	294	Below Cal	#	77
5) Bromomethane	1.867	94	301	0.243	ug/l	86
6) Chloroethane	1.948	64	158	Below Cal	#	42
11) Tert butyl alcohol	3.195	59	1179	1.545	ug/l	# 73
16) Acetone	2.655	43	14299	7.689	ug/l	89
18) Methyl Acetate	2.967	43	1030	0.282	ug/l	# 69
20) Methylene Chloride	3.057	84	9161	2.444	ug/l	95
25) 2-Butanone	4.735	43	2593	1.095	ug/l	99
29) Tetrahydrofuran	5.086	42	695	0.540	ug/l	# 49
31) Cyclohexane	5.382	56	3927	0.981	ug/l	# 1
36) 1,1-Dichloropropene	5.385	75	15392	4.304	ug/l	# 50
37) Ethyl Acetate	4.735	43	2593	0.605	ug/l	# 67
38) Carbon Tetrachloride	5.385	117	18891	5.851	ug/l	# 17
43) Isopropyl Acetate	5.922	43	19052	3.135	ug/l	98
45) 1,2-Dichloropropane	7.047	63	1591	0.553	ug/l	# 43
48) Methyl methacrylate	6.909	41	6936	2.346	ug/l	# 11
49) 1,4-Dioxane	7.037	88	150	1.939	ug/l	# 1
51) 4-Methyl-2-Pentanone	7.745	43	59359	13.497	ug/l	# 45
54) cis-1,3-Dichloropropene	7.745	75	33157	7.693	ug/l	# 64
57) 1,3-Dichloropropane	8.735	76	23396	4.998	ug/l	# 42
59) 2-Hexanone	8.735	43	292524	83.345	ug/l	# 49
76) 1,2,3-Trichloropropane	10.639	75	73734	14.913	ug/l	# 47
81) trans-1,4-Dichloro-2-b...	10.639	75	73734	54.059	ug/l	# 13
95) Naphthalene	14.095	128	1774	2.997	ug/l	# 85

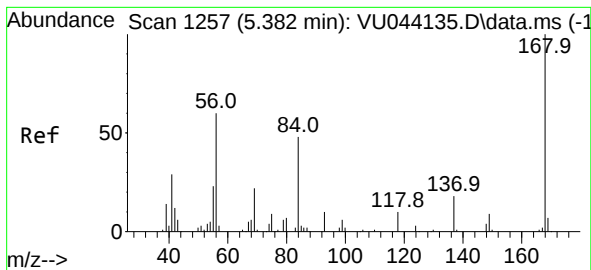
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 15 Jun 2021 00:27
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Quant Title : SW846 8260
QLast Update : Thu Jun 10 05:11:37 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. 0.003 min

Lab File: VU044203.D

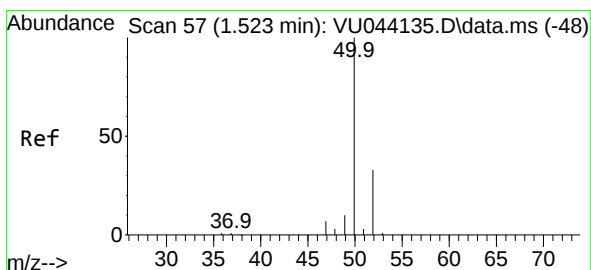
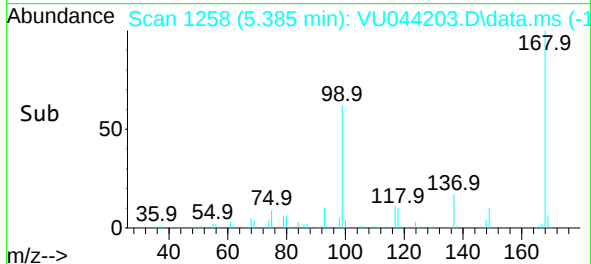
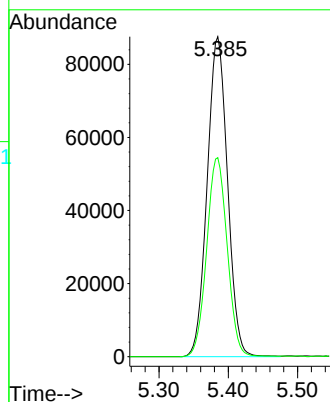
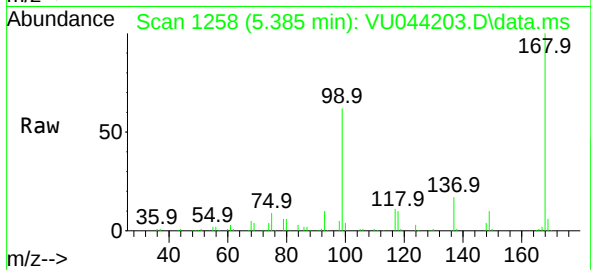
Acq: 15 Jun 2021 00:27

Tgt Ion:168 Resp: 178348

Ion Ratio Lower Upper

168 100

99 62.2 51.3 76.9



#3

Chloromethane

Concen: Below Cal

RT: 1.526 min Scan# 58

Delta R.T. 0.003 min

Lab File: VU044203.D

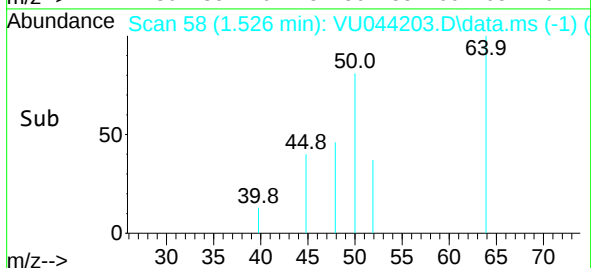
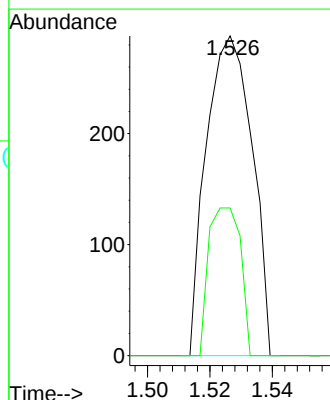
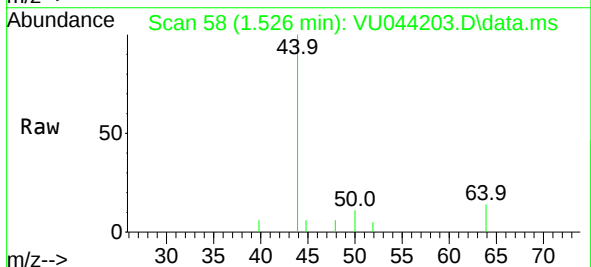
Acq: 15 Jun 2021 00:27

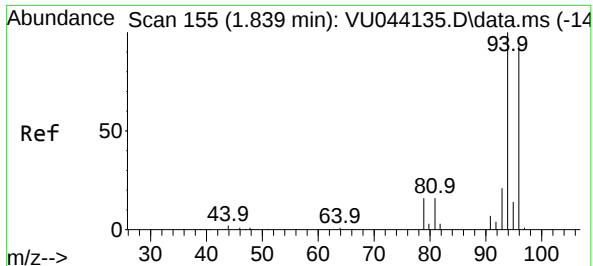
Tgt Ion: 50 Resp: 294

Ion Ratio Lower Upper

50 100

52 46.2 26.6 39.8#

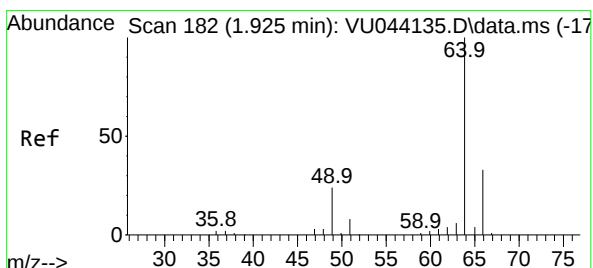
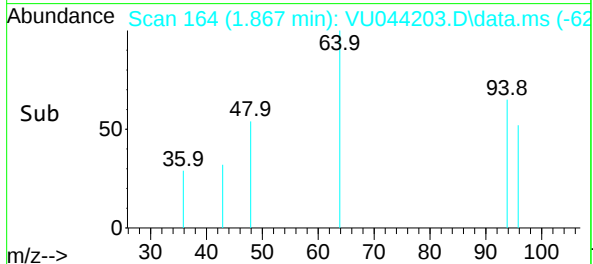
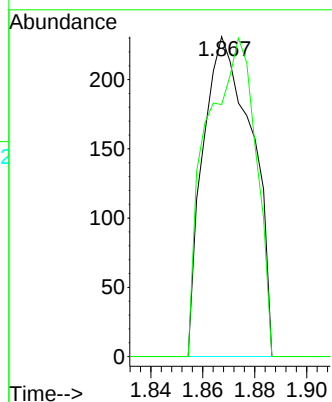
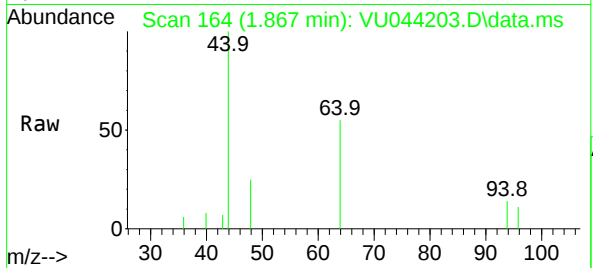




#5
Bromomethane
Concen: 0.243 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.028 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

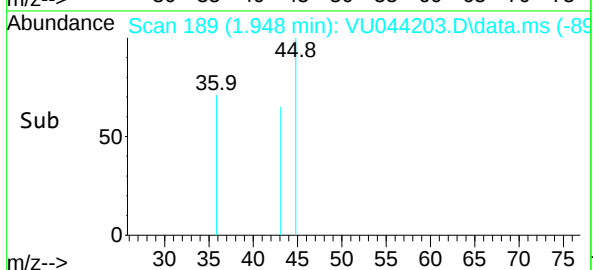
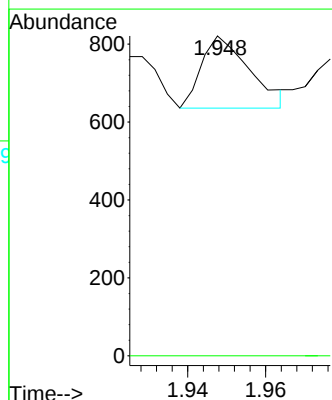
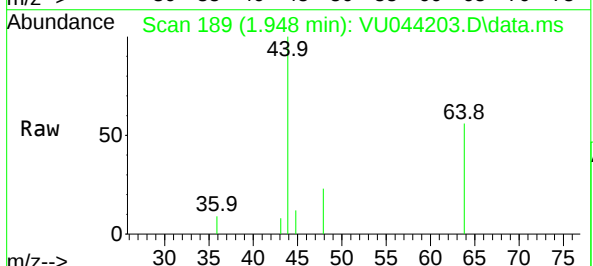
Instrument :
MSVOA_U
ClientSampled :

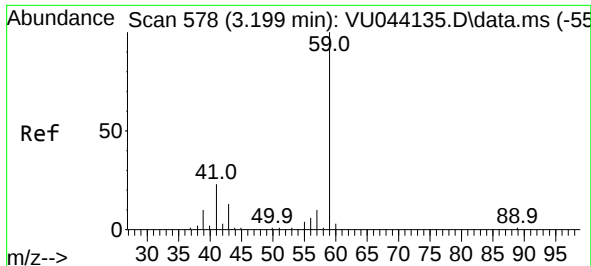
Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 78.8 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.023 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

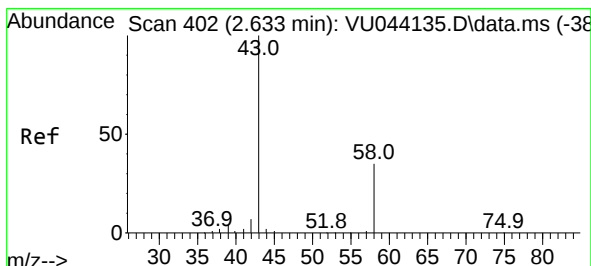
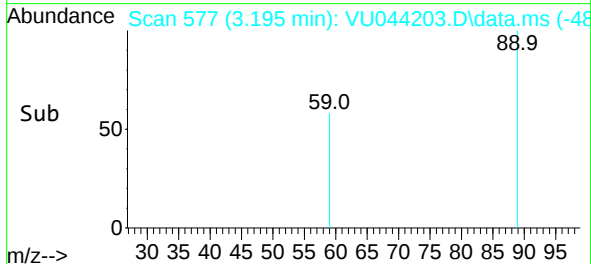
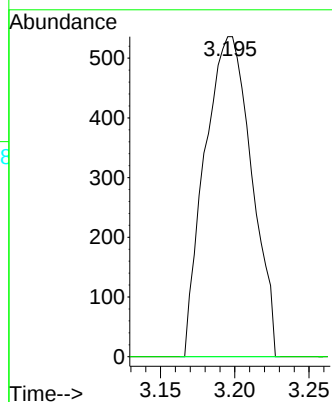
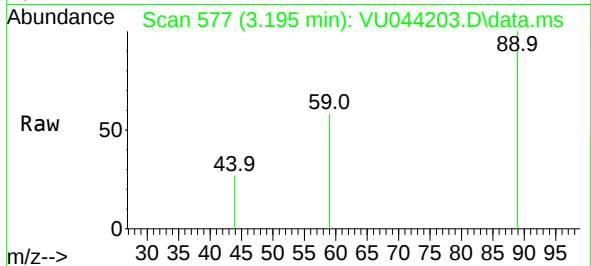




#11
Tert butyl alcohol
Concen: 1.545 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.004 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

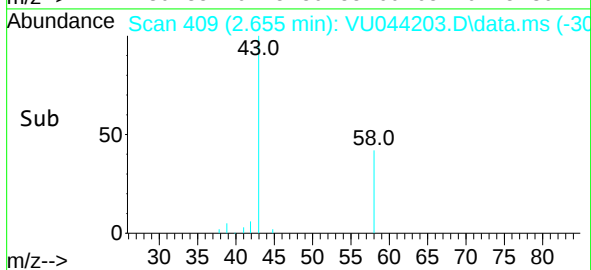
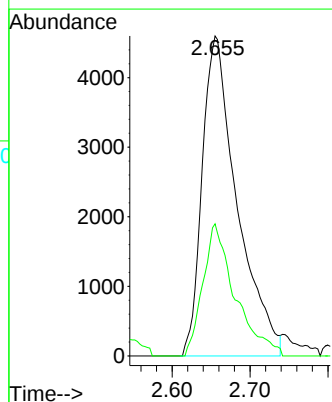
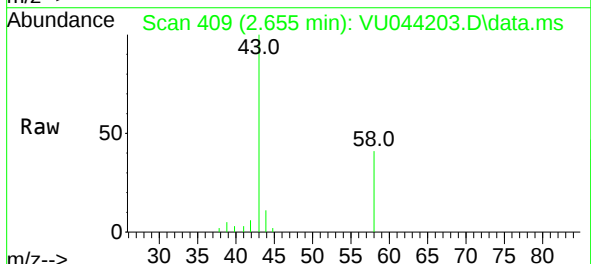
Instrument :
MSVOA_U
ClientSampled :

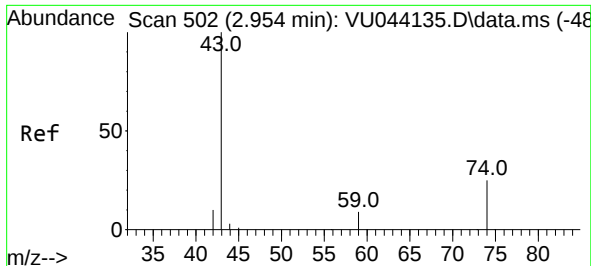
Tgt Ion: 59 Resp: 1179
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 7.689 ug/l
RT: 2.655 min Scan# 409
Delta R.T. 0.022 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 43 Resp: 14299
Ion Ratio Lower Upper
43 100
58 41.3 28.0 42.0

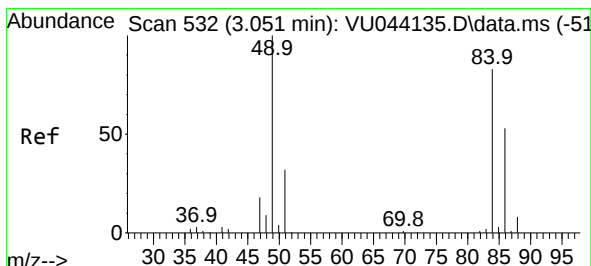
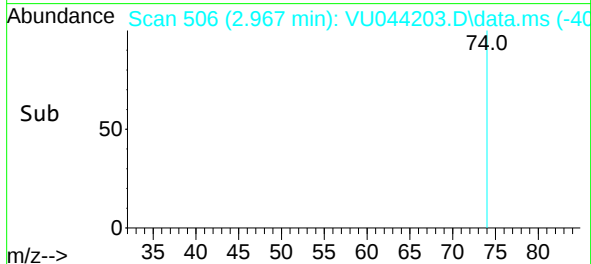
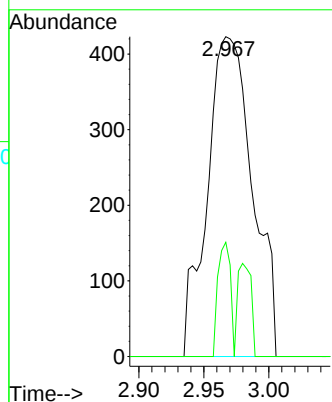
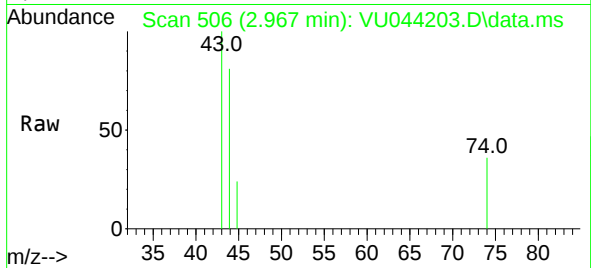




#18
Methyl Acetate
Concen: 0.282 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.013 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

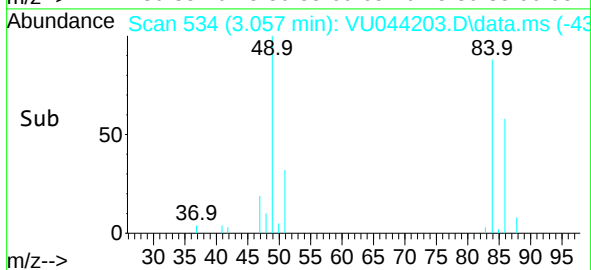
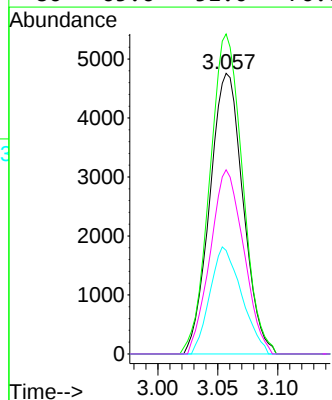
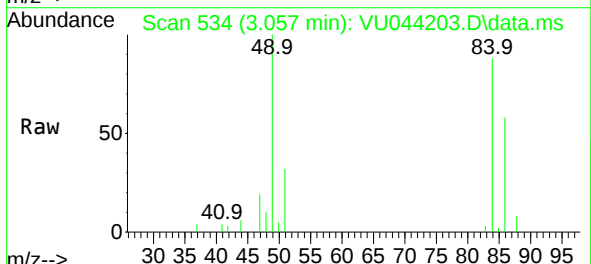
Instrument :
MSVOA_U
ClientSampled :

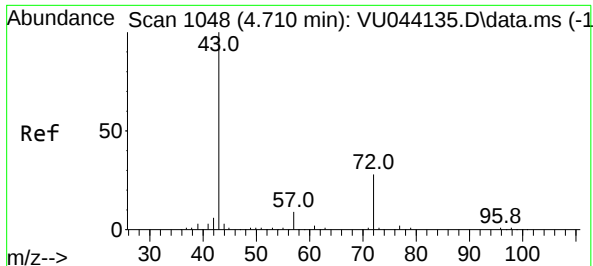
Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
74 9.7 20.3 30.5#



#20
Methylene Chloride
Concen: 2.444 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 84 Resp: 9161
Ion Ratio Lower Upper
84 100
49 114.0 96.9 145.3
51 36.9 31.0 46.6
86 65.6 51.0 76.6





#25

2-Butanone

Concen: 1.095 ug/l

RT: 4.735 min Scan# 1056

Delta R.T. 0.025 min

Lab File: VU044203.D

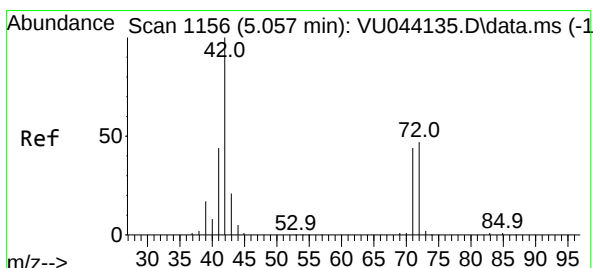
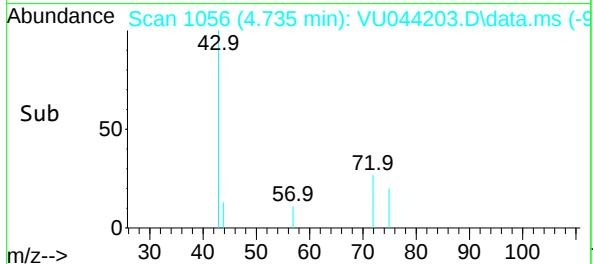
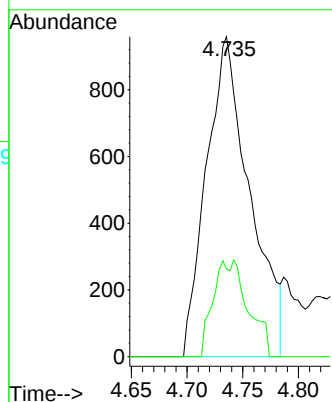
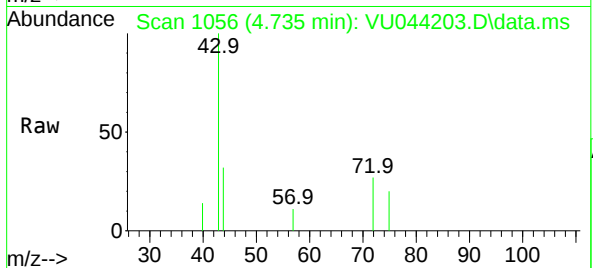
Acq: 15 Jun 2021 00:27

Tgt Ion: 43 Resp: 2593

Ion Ratio Lower Upper

43 100

72 27.4 22.6 33.8



#29

Tetrahydrofuran

Concen: 0.540 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.029 min

Lab File: VU044203.D

Acq: 15 Jun 2021 00:27

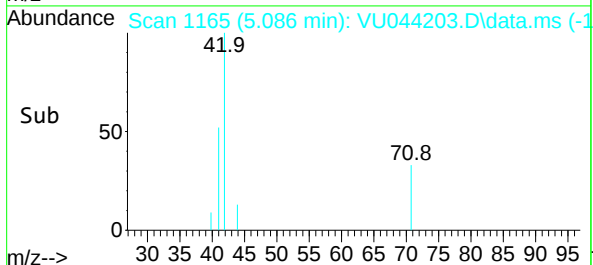
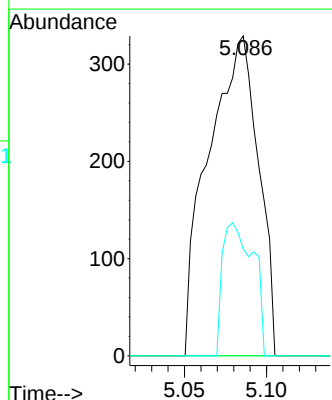
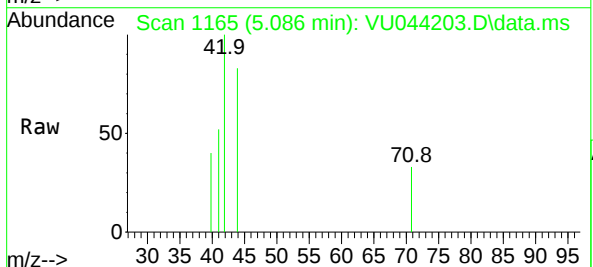
Tgt Ion: 42 Resp: 695

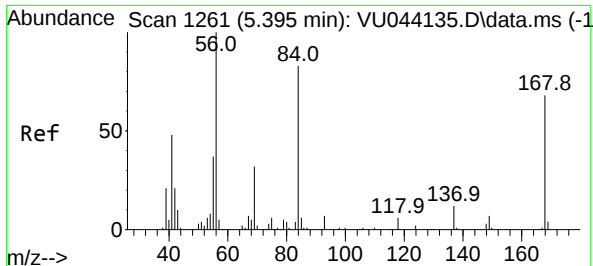
Ion Ratio Lower Upper

42 100

72 0.0 38.6 57.8#

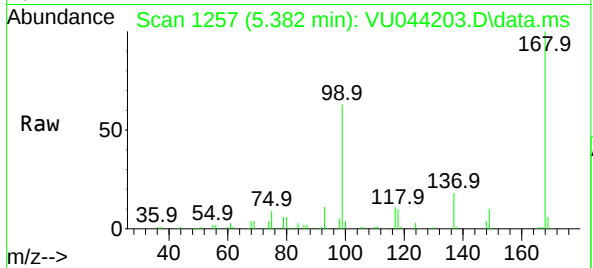
71 25.6 35.5 53.3#



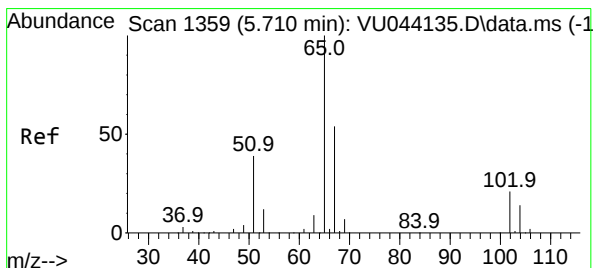
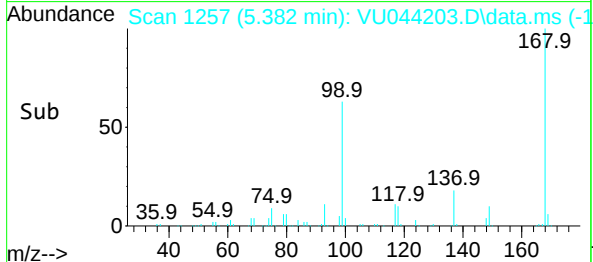
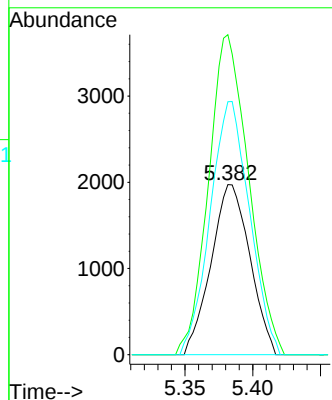


#31
Cyclohexane
Concen: 0.981 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Instrument :
MSVOA_U
ClientSampled :

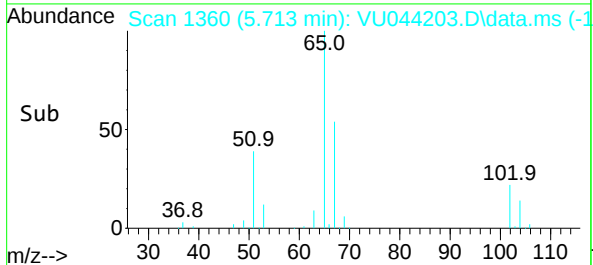
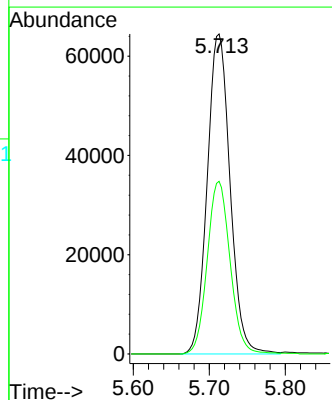
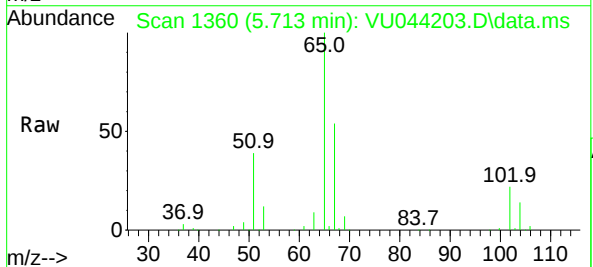


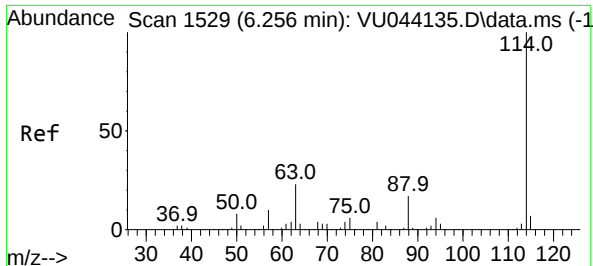
Tgt Ion: 56 Resp: 3927
Ion Ratio Lower Upper
56 100
69 182.4 25.5 38.3#
84 148.7 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 47.440 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 65 Resp: 134548
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.6

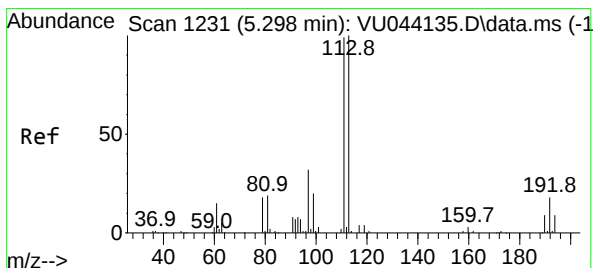
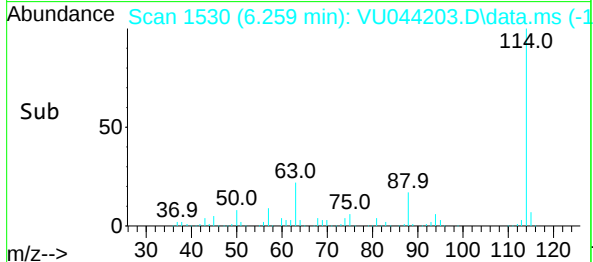
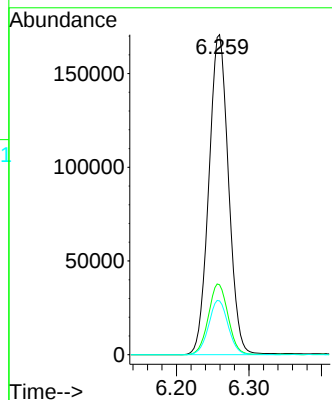
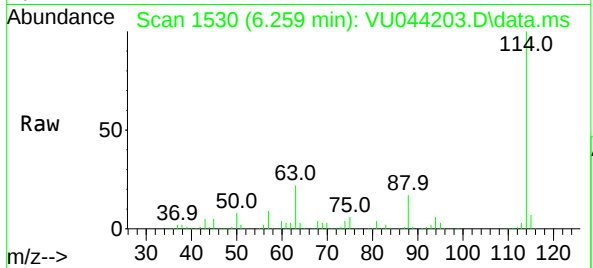




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

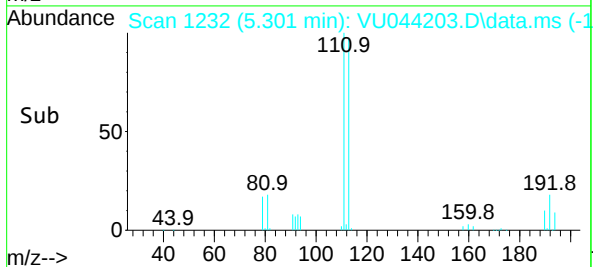
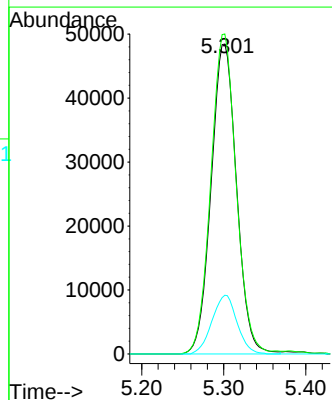
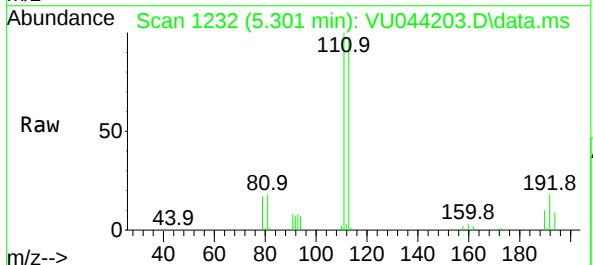
Instrument :
MSVOA_U
ClientSampleId :

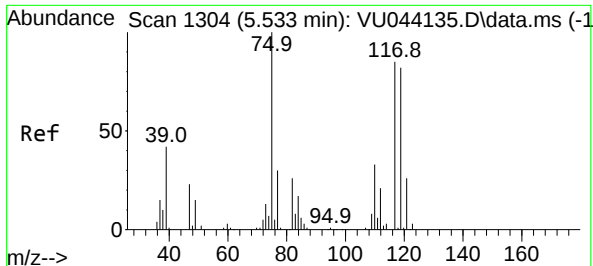
Tgt Ion:114 Resp: 321455
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.8
88 16.8 0.0 34.0



#35
Dibromofluoromethane
Concen: 46.622 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion:113 Resp: 104252
Ion Ratio Lower Upper
113 100
111 102.9 81.0 121.4
192 18.7 14.3 21.5



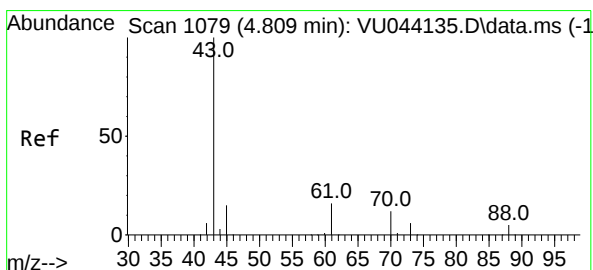
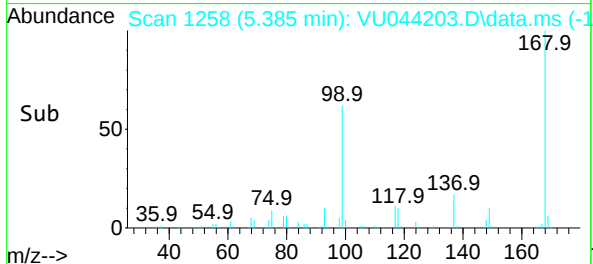
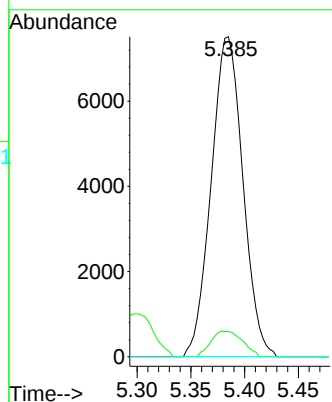
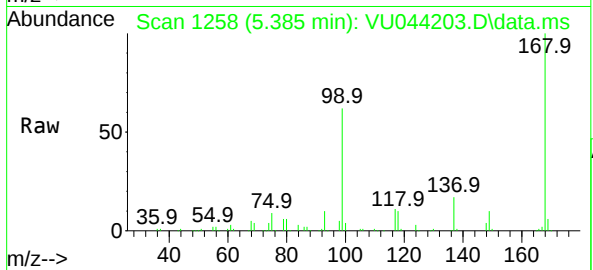


#36

1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Instrument :
MSVOA_U
ClientSampled :

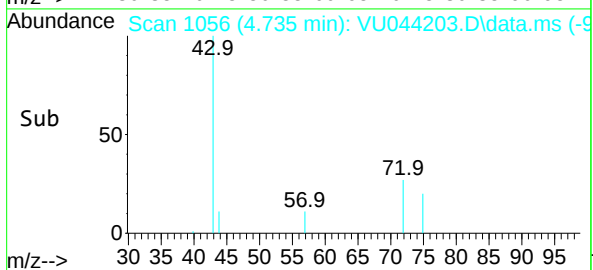
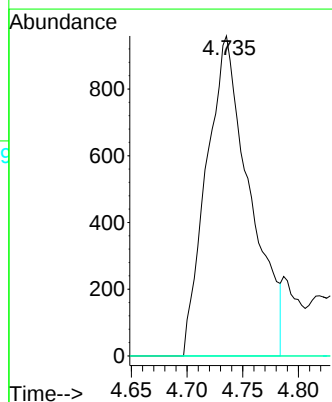
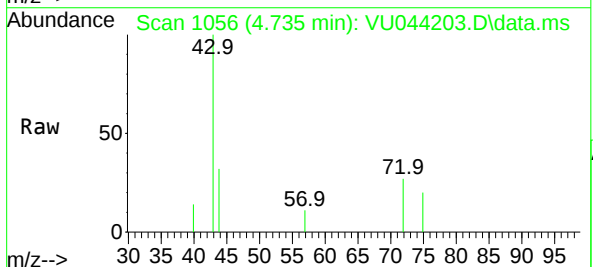
Tgt Ion: 75 Resp: 15392
Ion Ratio Lower Upper
75 100
110 8.0 16.4 49.4#
77 0.0 24.7 37.1#

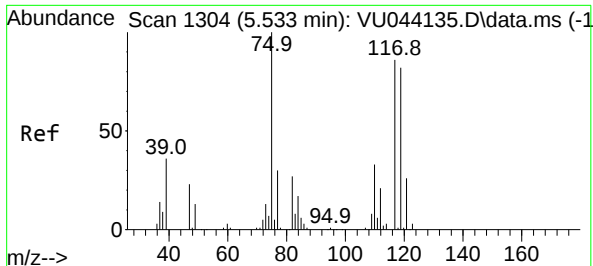


#37

Ethyl Acetate
Concen: 0.605 ug/l
RT: 4.735 min Scan# 1056
Delta R.T. -0.074 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

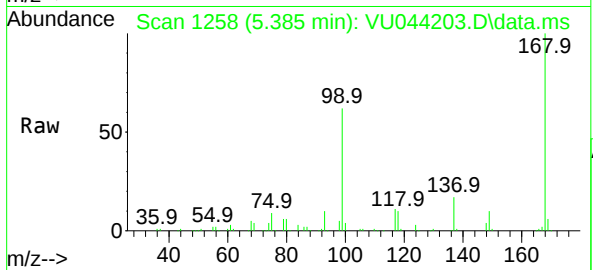
Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 0.0 9.4 14.0#



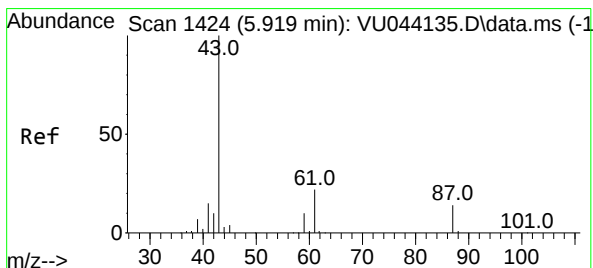
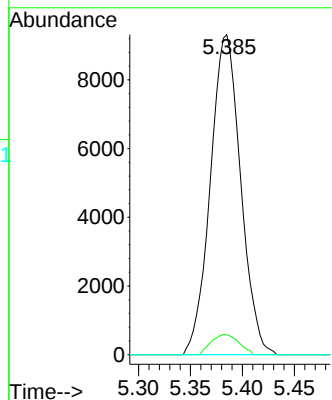
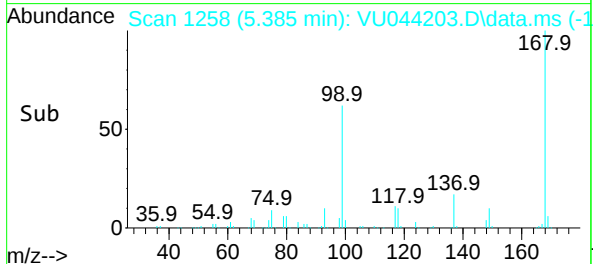


#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

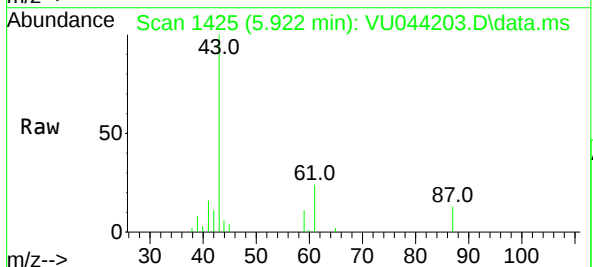
Instrument :
MSVOA_U
ClientSampled :



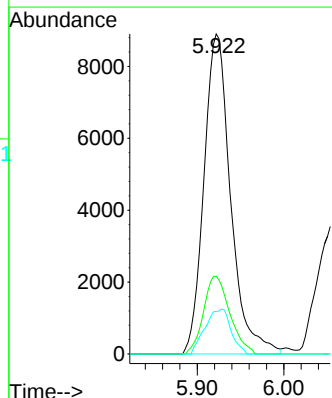
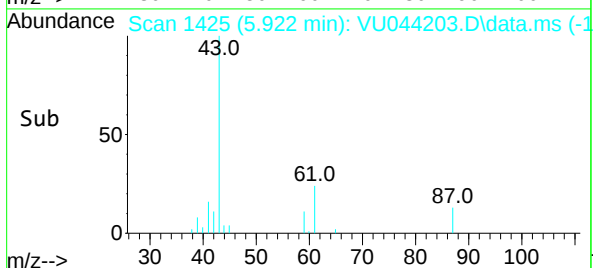
Tgt Ion:117 Resp: 18891
Ion Ratio Lower Upper
117 100
119 6.3 76.6 114.8#
121 0.0 24.6 36.8#

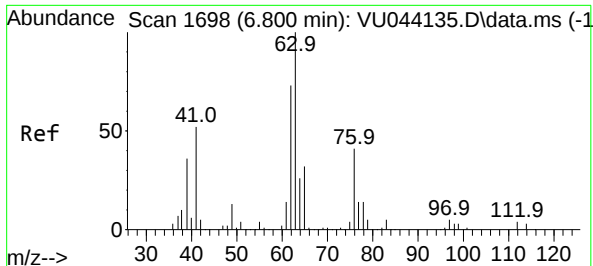


#43
Isopropyl Acetate
Concen: 3.135 ug/l
RT: 5.922 min Scan# 1425
Delta R.T. 0.003 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27



Tgt Ion: 43 Resp: 19052
Ion Ratio Lower Upper
43 100
61 23.8 17.8 26.8
87 13.5 11.1 16.7



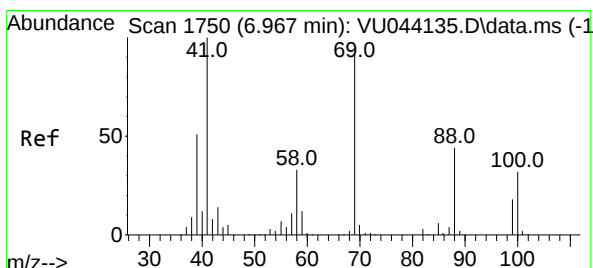
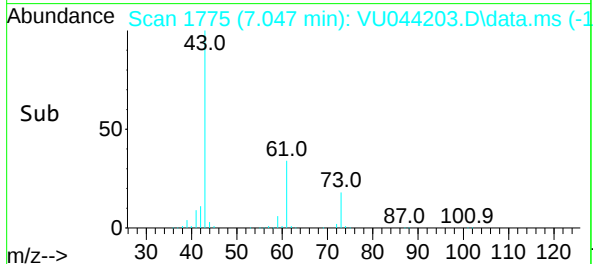
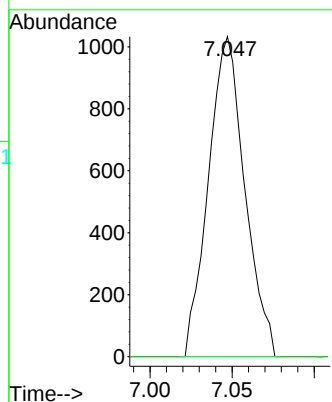
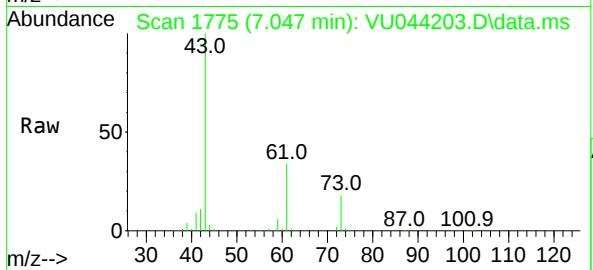


#45

1,2-Dichloropropane
Concen: 0.553 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.247 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Instrument :
MSVOA_U
ClientSampled :

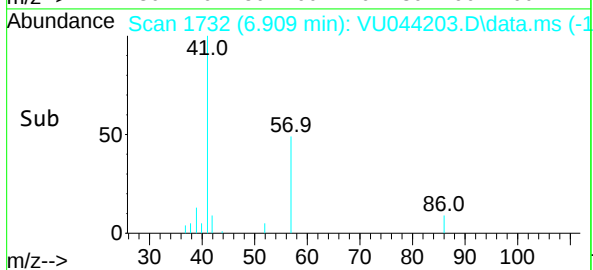
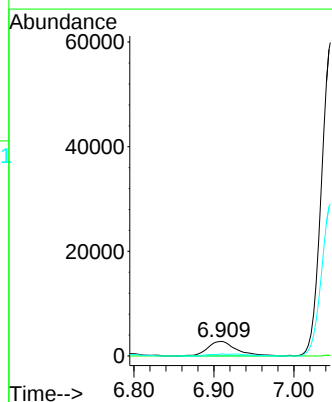
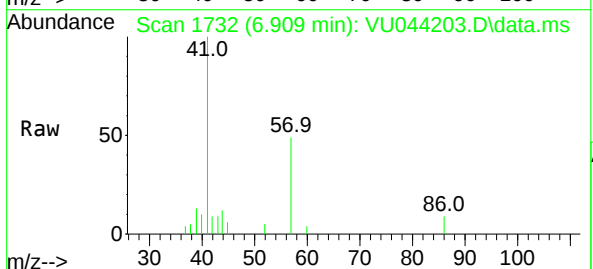
Tgt Ion: 63 Resp: 1591
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

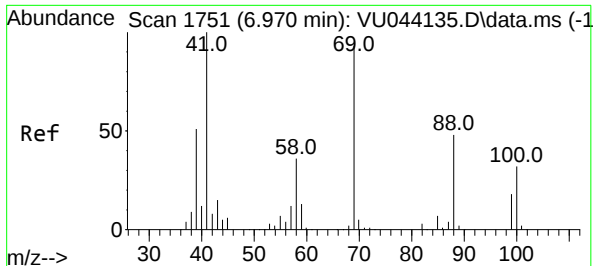


#48

Methyl methacrylate
Concen: 2.346 ug/l
RT: 6.909 min Scan# 1732
Delta R.T. -0.058 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 41 Resp: 6936
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: 1.939 ug/l

RT: 7.037 min Scan# 1772

Delta R.T. 0.067 min

Lab File: VU044203.D

Acq: 15 Jun 2021 00:27

Tgt Ion: 88 Resp: 150

Ion Ratio Lower Upper

88 100

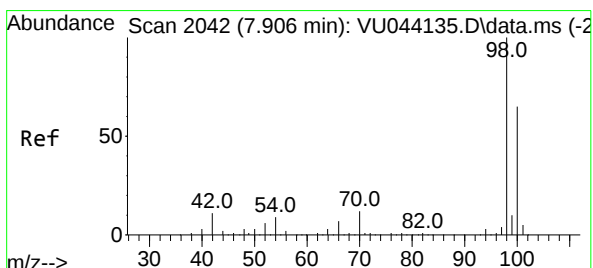
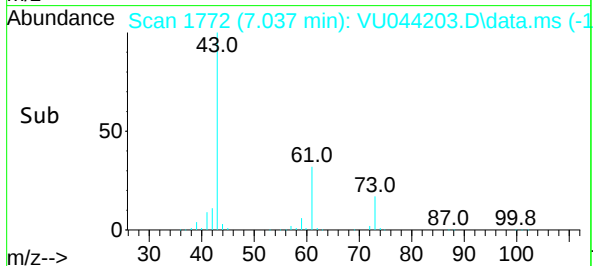
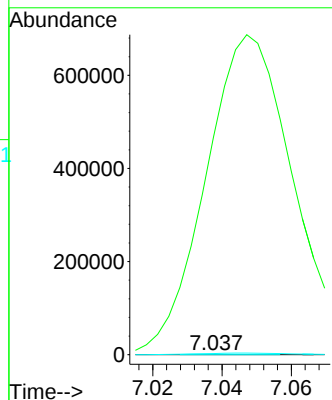
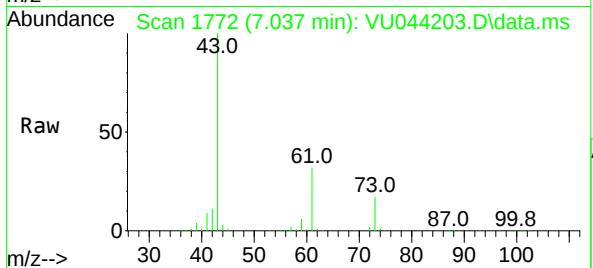
43 833230.7 23.4 35.0#

58 4359.3 58.1 87.1#

Instrument :

MSVOA_U

ClientSampled :



#50

Toluene-d8

Concen: 48.172 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044203.D

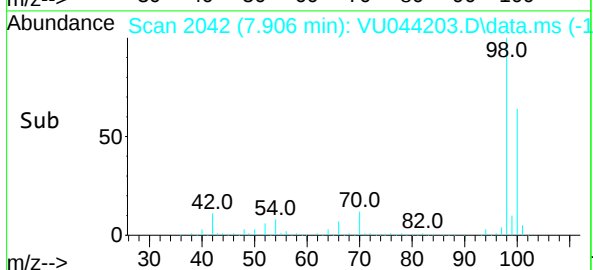
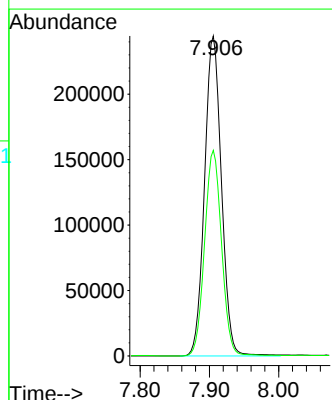
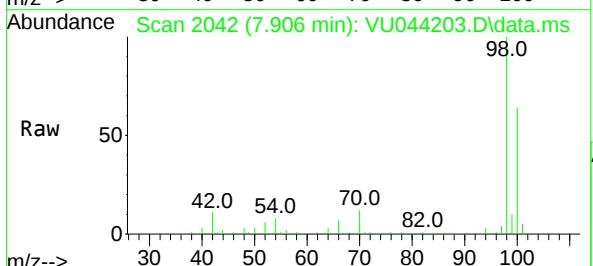
Acq: 15 Jun 2021 00:27

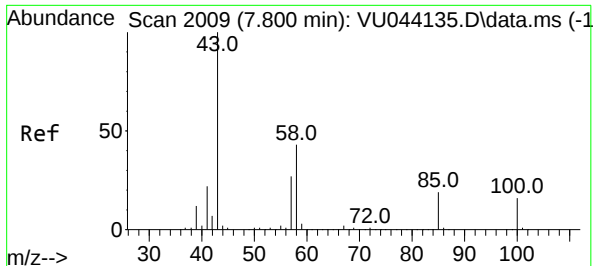
Tgt Ion: 98 Resp: 413688

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4

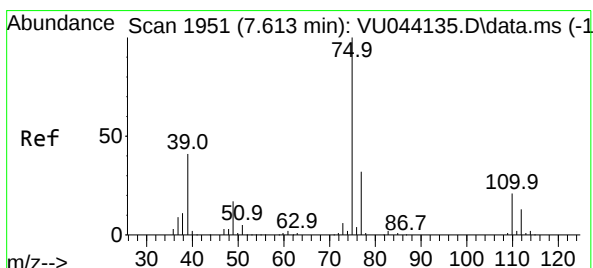
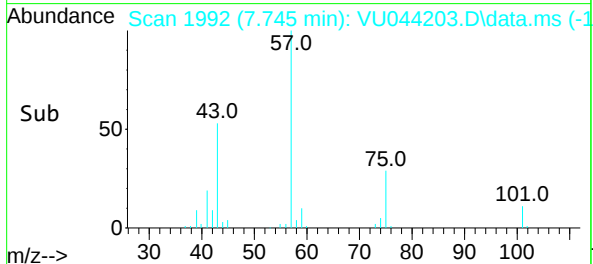
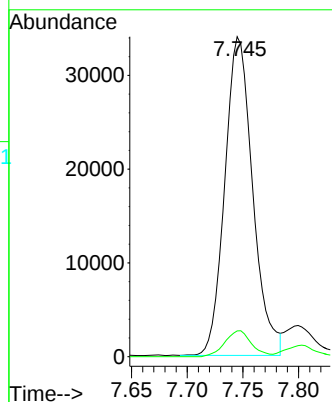
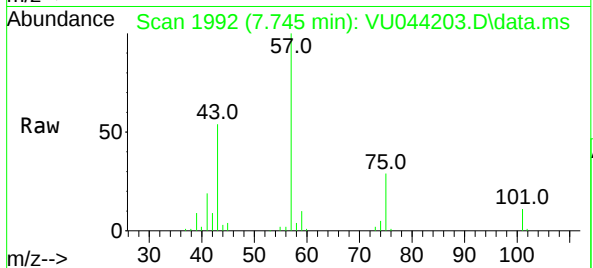




#51
4-Methyl-2-Pentanone
Concen: 13.497 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. -0.055 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

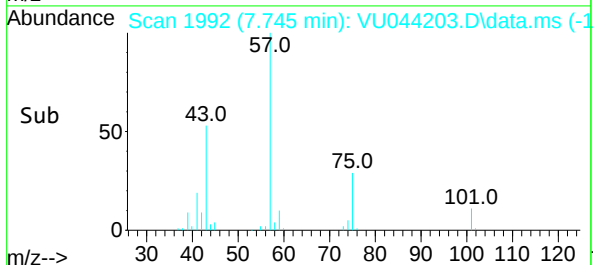
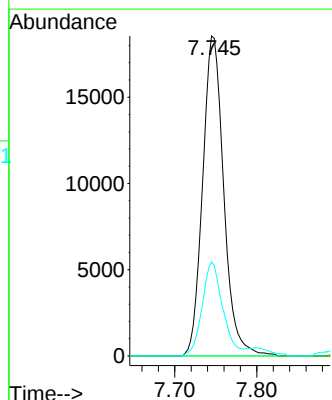
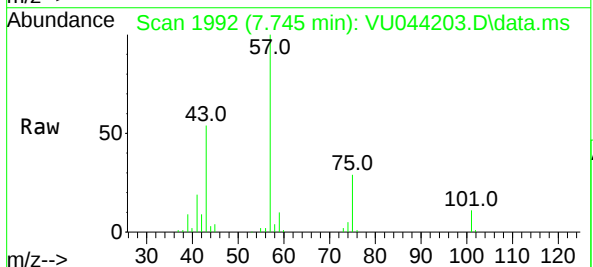
Instrument :
MSVOA_U
ClientSampled :

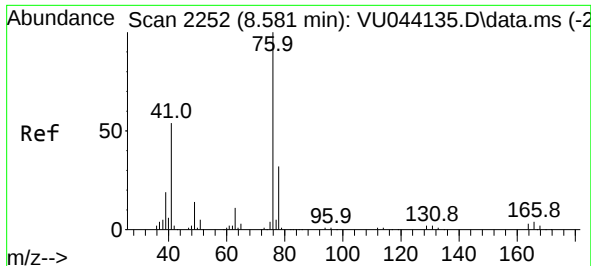
Tgt Ion: 43 Resp: 59359
Ion Ratio Lower Upper
43 100
58 7.8 34.5 51.7#



#54
cis-1,3-Dichloropropene
Concen: 7.693 ug/l
RT: 7.745 min Scan# 1992
Delta R.T. 0.132 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 75 Resp: 33157
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
39 29.4 33.2 49.8#



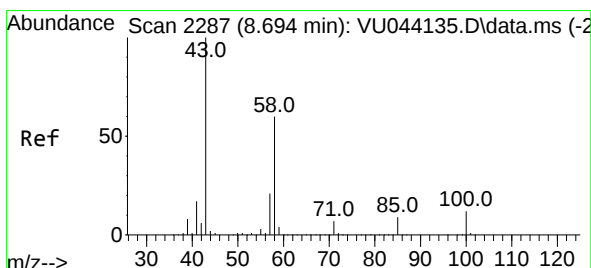
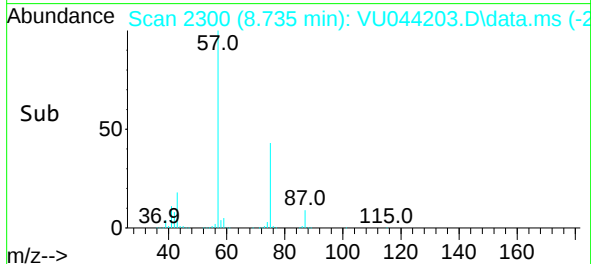
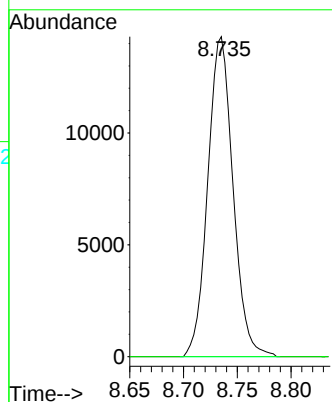
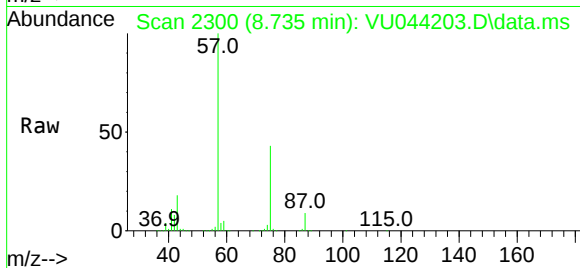


#57

1,3-Dichloropropane
Concen: 4.998 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.154 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Instrument :
MSVOA_U
ClientSampled :

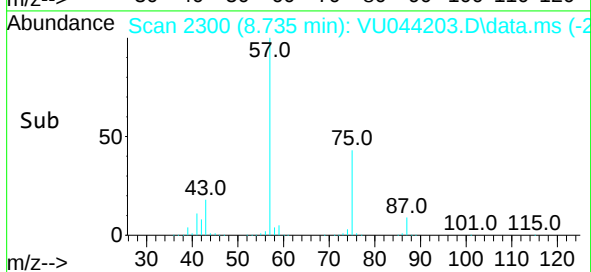
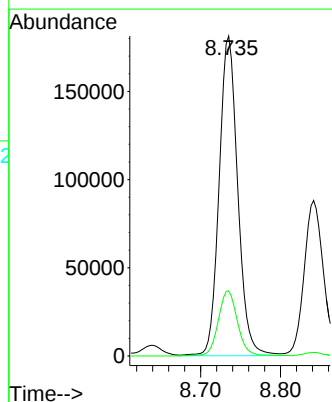
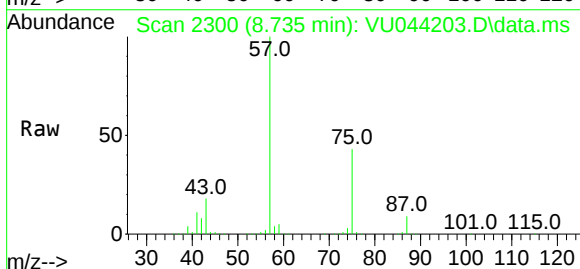
Tgt Ion: 76 Resp: 23396
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

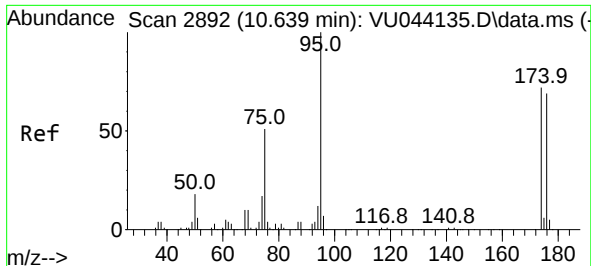


#59

2-Hexanone
Concen: 83.345 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 43 Resp: 292524
Ion Ratio Lower Upper
43 100
58 21.2 30.0 90.1#

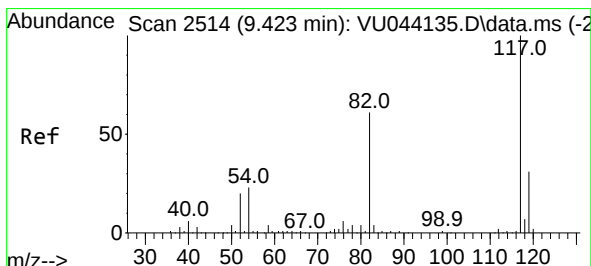
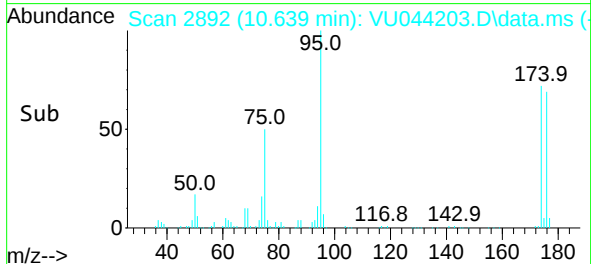
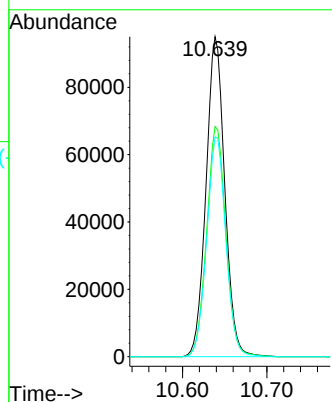
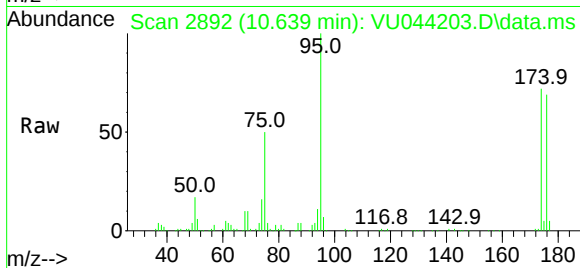




#62
4-Bromofluorobenzene
Concen: 42.716 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

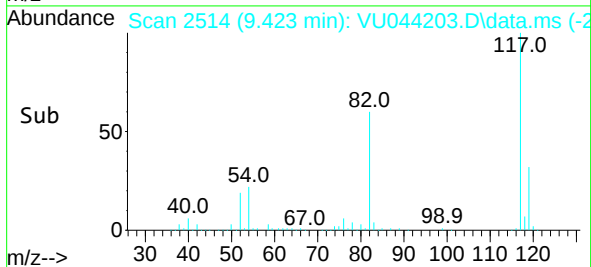
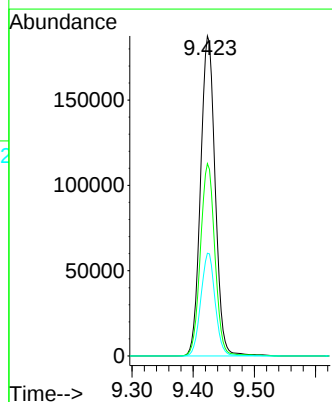
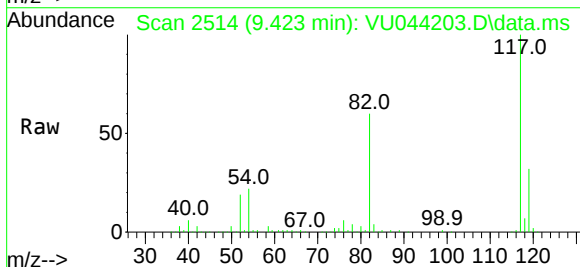
Instrument :
MSVOA_U
ClientSampleId :

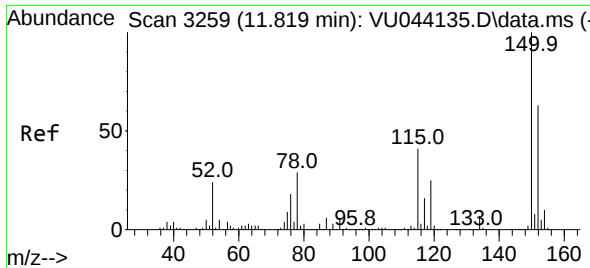
Tgt Ion: 95 Resp: 147009
Ion Ratio Lower Upper
95 100
174 73.9 0.0 144.4
176 70.1 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion: 117 Resp: 311636
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.1 25.0 37.6

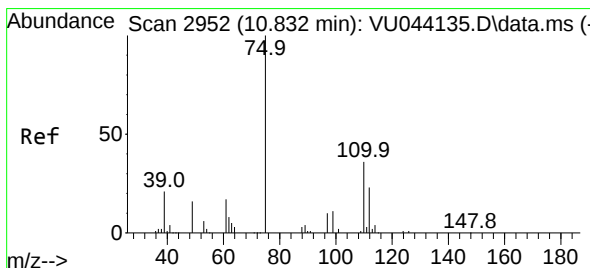
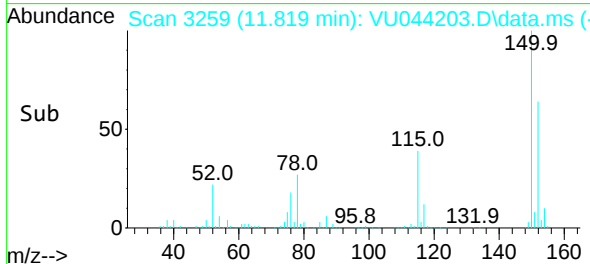
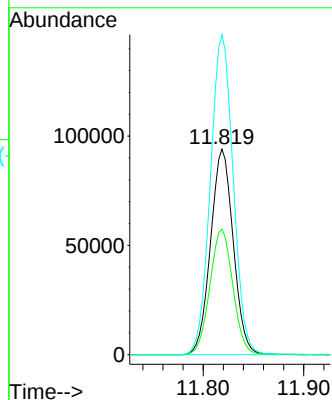
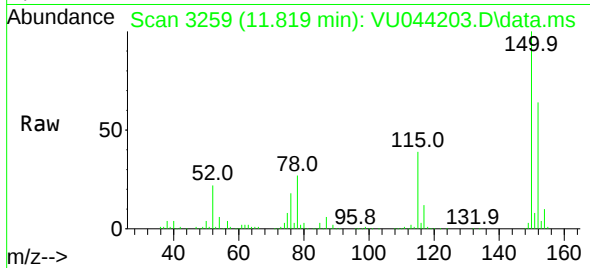




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. -0.000 min
 Lab File: VU044203.D
 Acq: 15 Jun 2021 00:27

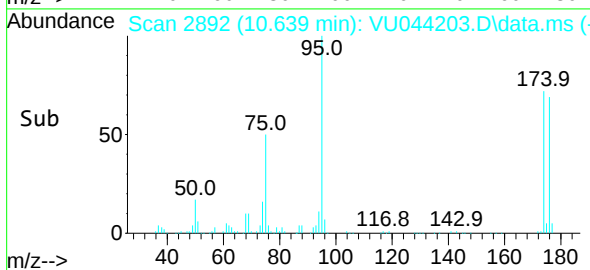
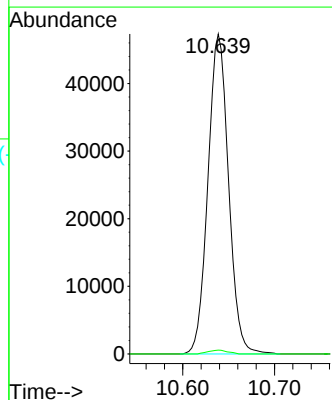
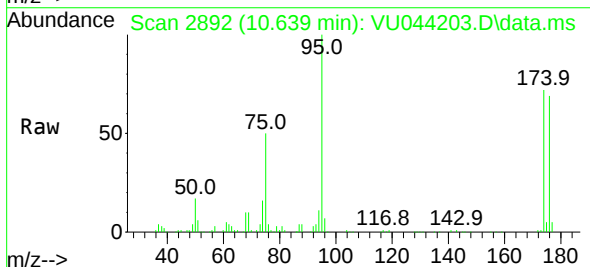
Instrument :
 MSVOA_U
 ClientSampled :

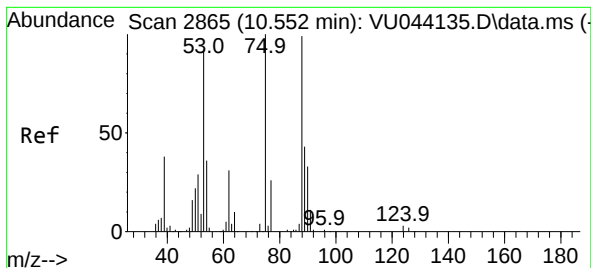
Tgt Ion:152 Resp: 147467
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.8 131.3
 150 156.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 14.913 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044203.D
 Acq: 15 Jun 2021 00:27

Tgt Ion: 75 Resp: 73734
 Ion Ratio Lower Upper
 75 100
 77 1.1 14.9 44.5#

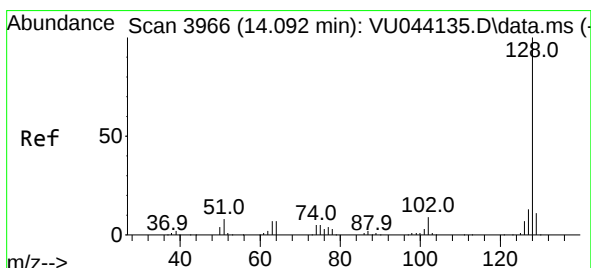
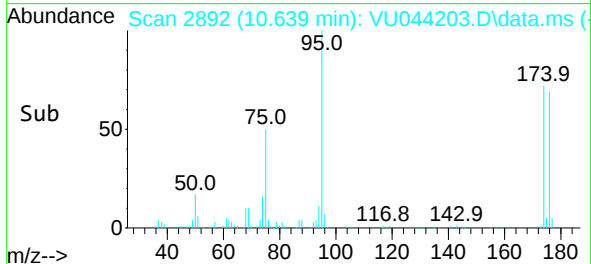
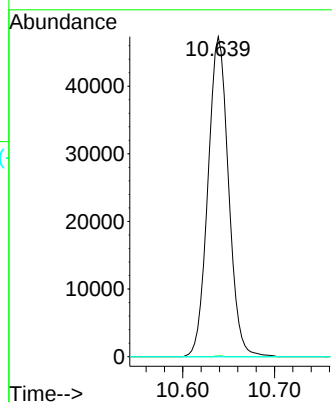
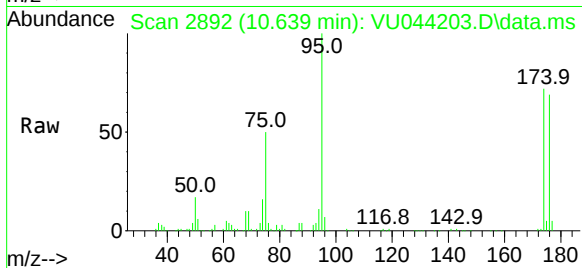




#81
trans-1,4-Dichloro-2-butene
Concen: 54.059 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 73734
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.2#
89 0.0 35.0 52.6#



#95
Naphthalene
Concen: 2.997 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044203.D
Acq: 15 Jun 2021 00:27

Tgt Ion:128 Resp: 1774
Ion Ratio Lower Upper
128 100
127 7.8 10.2 15.2#
129 4.0 8.6 13.0#

