

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061621\
 Data File : VU044234.D
 Acq On : 16 Jun 2021 12:38
 Operator : SY/MD
 Sample : PB137142TB
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 17 04:55:31 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)

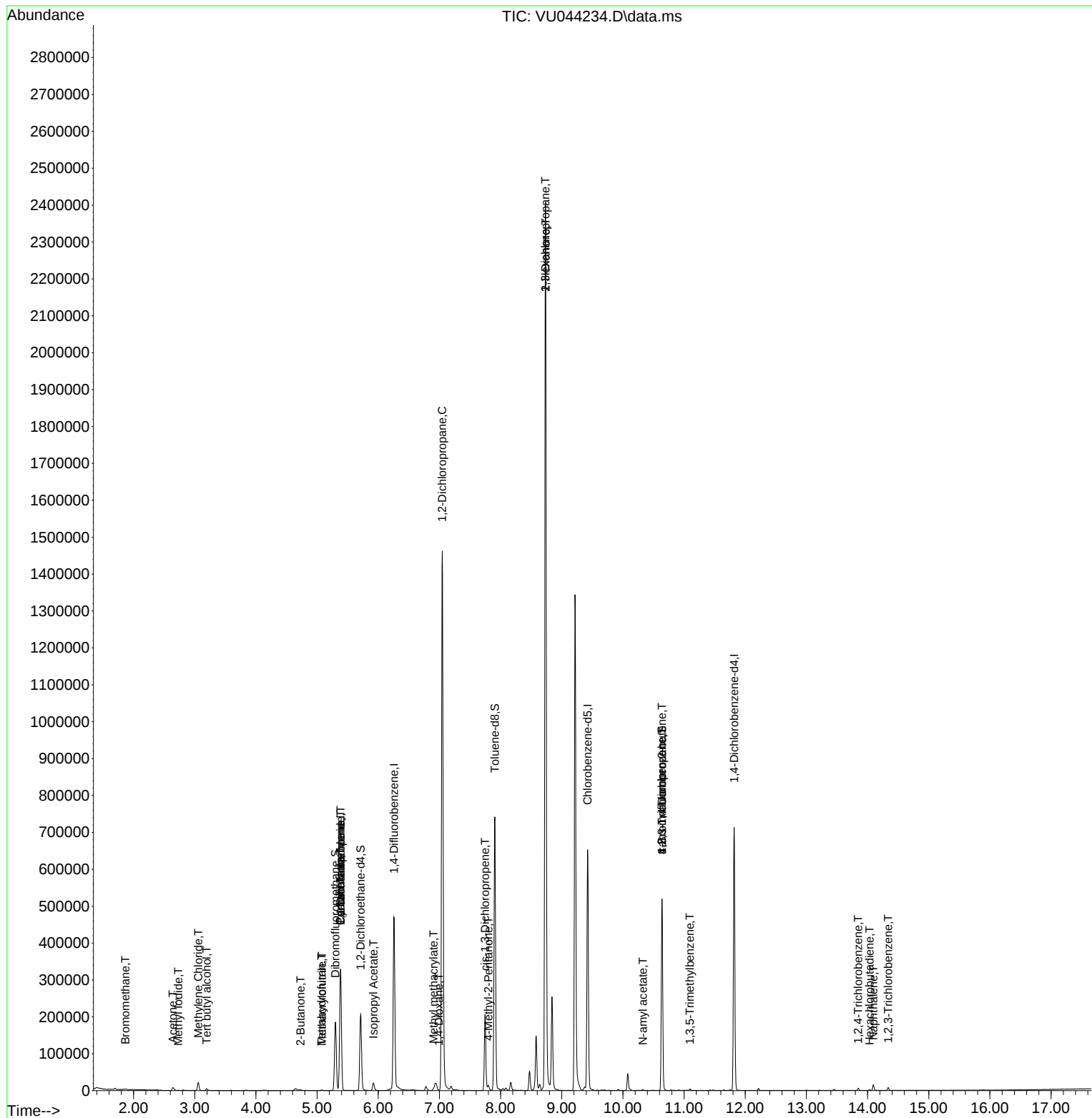
Internal Standards						
1) Pentafluorobenzene	5.385	168	226699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	379177	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	365704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	184823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	152844	42.397	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.800%	
35) Dibromofluoromethane	5.301	113	122924	46.603	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.200%	
50) Toluene-d8	7.906	98	490744	48.445	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.900%	
62) 4-Bromofluorobenzene	10.639	95	183769	45.268	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.540%	
Target Compounds					Qvalue	
3) Chloromethane	1.526	50	465	Below Cal	#	79
5) Bromomethane	1.867	94	514	0.326	ug/l	100
6) Chloroethane	1.893	64	75	Below Cal	#	42
10) Methyl Iodide	2.732	142	871	0.270	ug/l	# 85
11) Tert butyl alcohol	3.195	59	3776	3.894	ug/l	# 73
16) Acetone	2.642	43	11919	4.298	ug/l	98
20) Methylene Chloride	3.057	84	10995	2.239	ug/l	93
25) 2-Butanone	4.729	43	3447	1.146	ug/l	92
29) Tetrahydrofuran	5.073	42	1225	0.749	ug/l	# 71
31) Cyclohexane	5.382	56	4731	0.930	ug/l	# 1
36) 1,1-Dichloropropene	5.385	75	17991	4.265	ug/l	# 50
38) Carbon Tetrachloride	5.385	117	23239	6.102	ug/l	# 16
41) Methacrylonitrile	5.079	41	649	0.251	ug/l	# 28
43) Isopropyl Acetate	5.922	43	22514	3.141	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1935	0.570	ug/l	# 43
48) Methyl methacrylate	6.906	41	7976	2.287	ug/l	# 11
49) 1,4-Dioxane	6.992	88	119	1.304	ug/l	# 22
51) 4-Methyl-2-Pentanone	7.803	43	9057	1.746	ug/l	100
54) cis-1,3-Dichloropropene	7.748	75	41335	8.130	ug/l	# 59
57) 1,3-Dichloropropane	8.732	76	26350	4.772	ug/l	# 42
59) 2-Hexanone	8.735	43	324606	78.407	ug/l	# 49
74) N-amyl acetate	10.327	43	1375	0.247	ug/l	# 96
76) 1,2,3-Trichloropropane	10.639	75	89365	14.421	ug/l	# 47
80) 1,3,5-Trimethylbenzene	11.095	105	2250	0.204	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.639	75	89365	52.277	ug/l	# 13
93) 1,2,4-Trichlorobenzene	13.844	180	2256	0.584	ug/l	97
94) Hexachlorobutadiene	14.031	225	485	0.234	ug/l	96
95) Naphthalene	14.095	128	13243	3.797	ug/l	99
96) 1,2,3-Trichlorobenzene	14.336	180	2950	0.787	ug/l	98

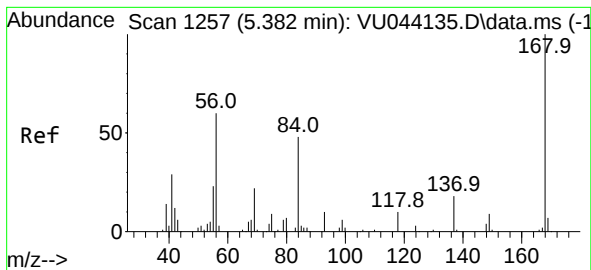
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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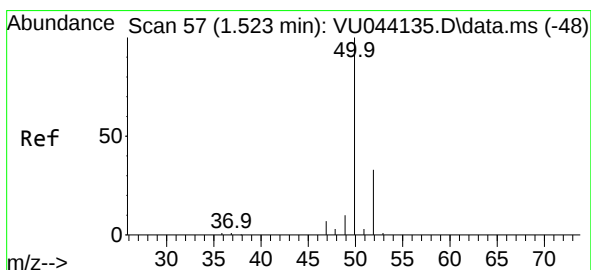
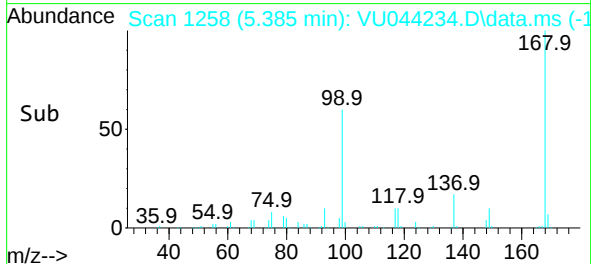
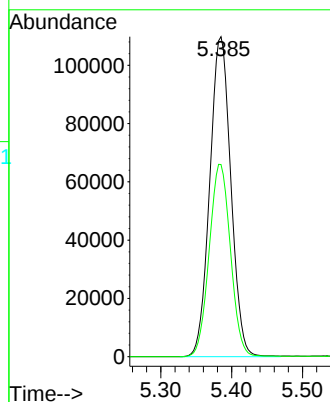
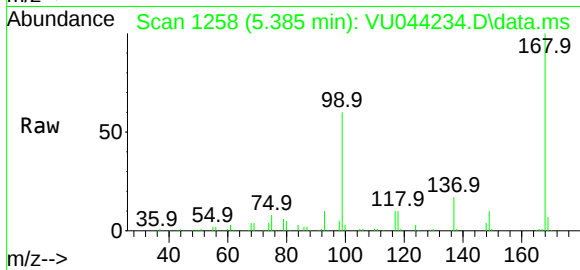




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

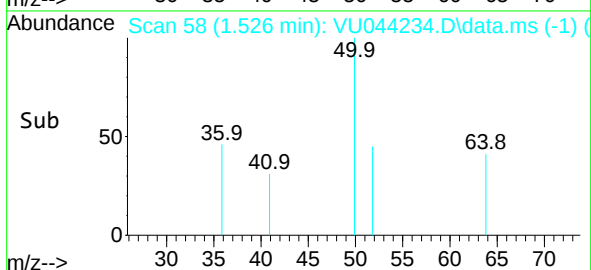
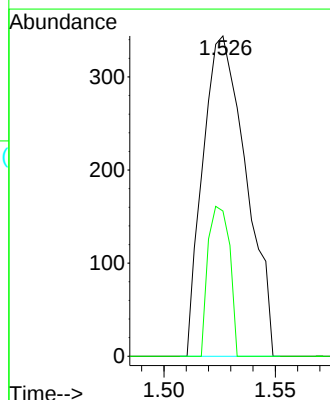
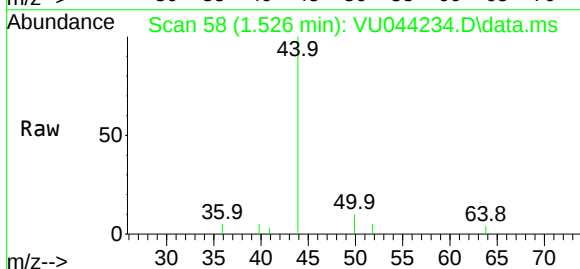
Instrument :
MSVOA_U
ClientSampled :

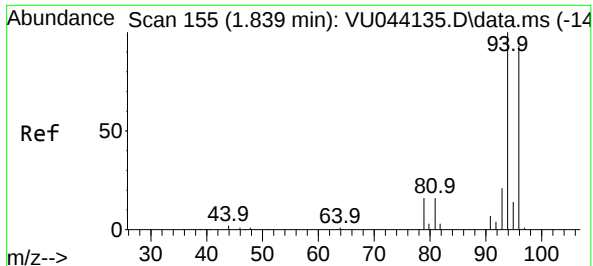
Tgt Ion:168 Resp: 226699
Ion Ratio Lower Upper
168 100
99 60.0 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.526 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 50 Resp: 465
Ion Ratio Lower Upper
50 100
52 45.3 26.6 39.8#

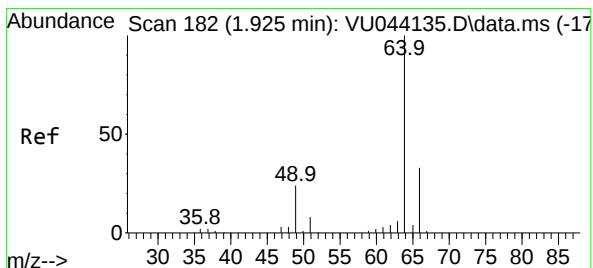
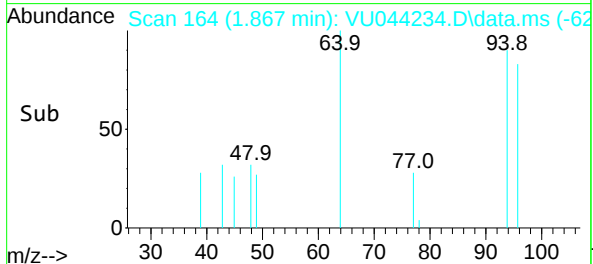
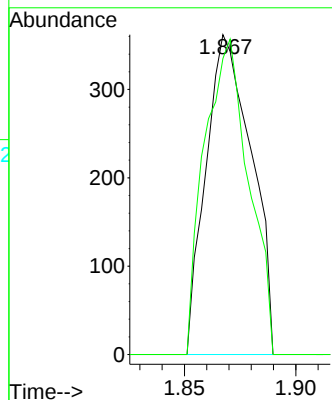
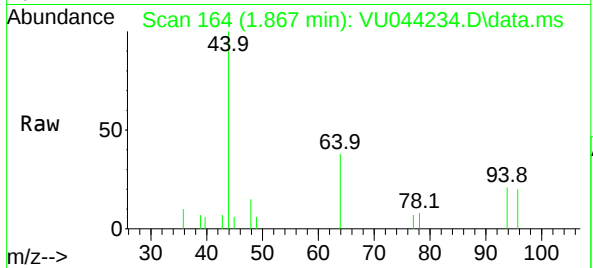




#5
Bromomethane
Concen: 0.326 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.028 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

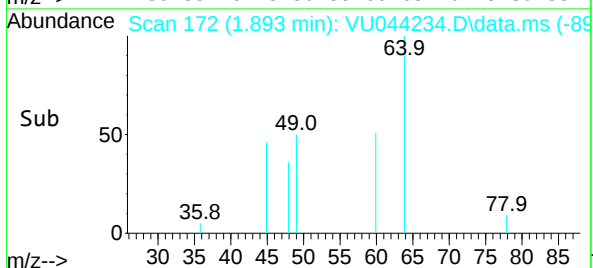
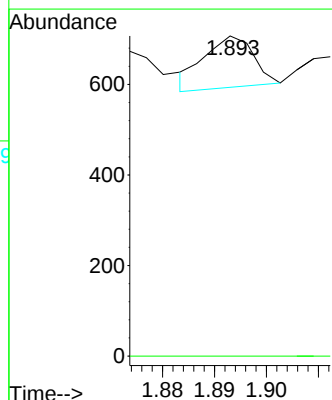
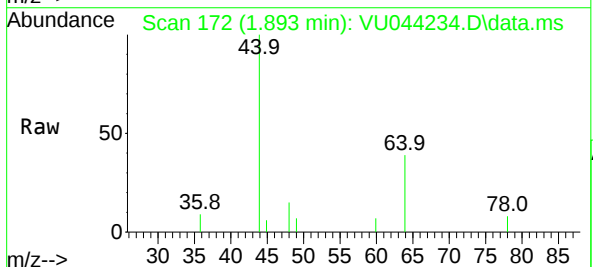
Instrument :
MSVOA_U
ClientSampled :

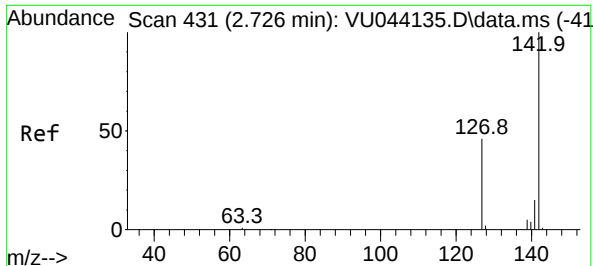
Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 92.5 74.1 111.1



#6
Chloroethane
Concen: Below Cal
RT: 1.893 min Scan# 172
Delta R.T. -0.032 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

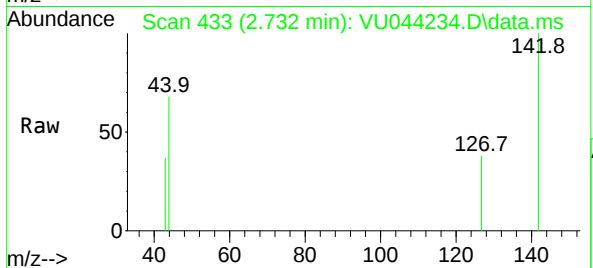
Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



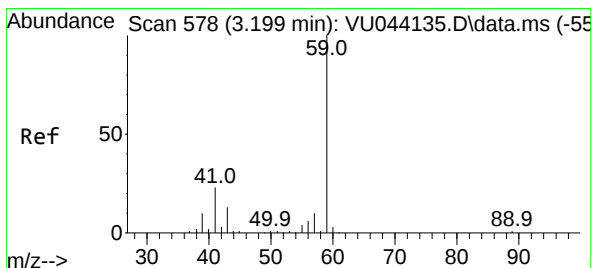
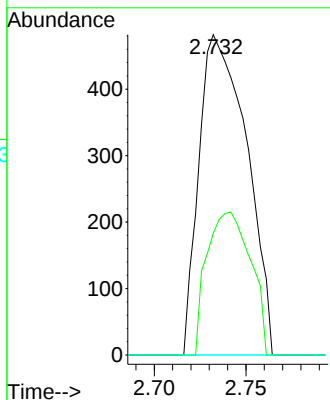
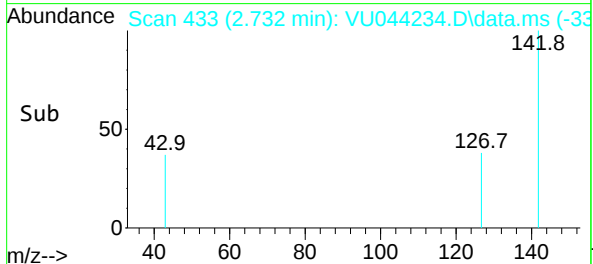


#10
Methyl Iodide
Concen: 0.270 ug/l
RT: 2.732 min Scan# 433
Delta R.T. 0.006 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

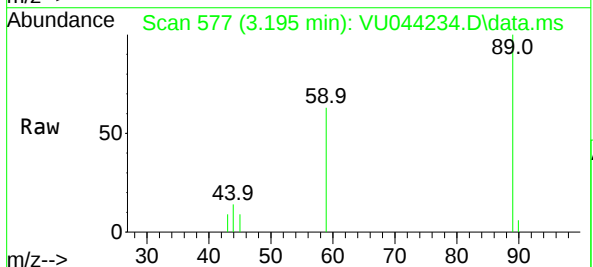
Instrument :
MSVOA_U
ClientSampled :



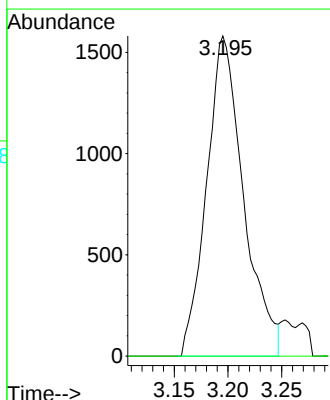
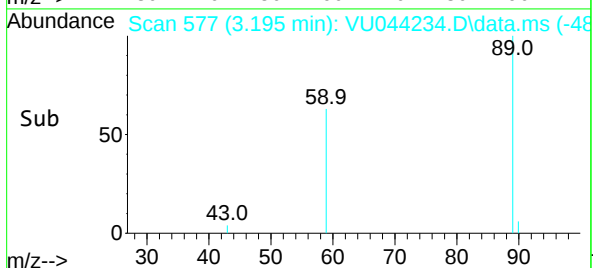
Tgt Ion:142 Resp: 871
Ion Ratio Lower Upper
142 100
127 41.0 37.0 55.6
141 0.0 11.6 17.4#

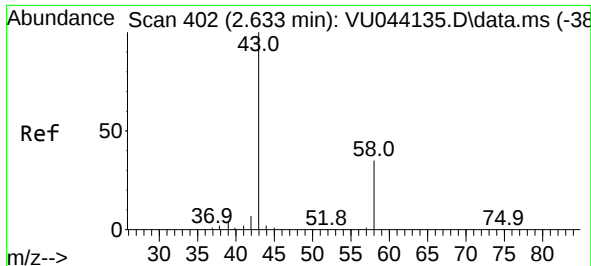


#11
Tert butyl alcohol
Concen: 3.894 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.004 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38



Tgt Ion: 59 Resp: 3776
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

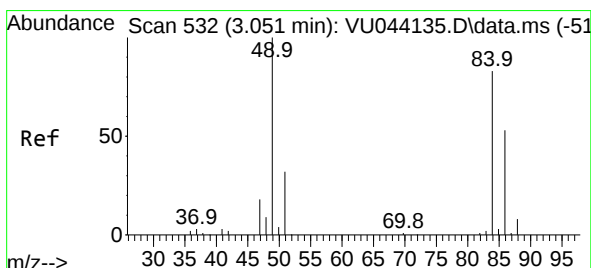
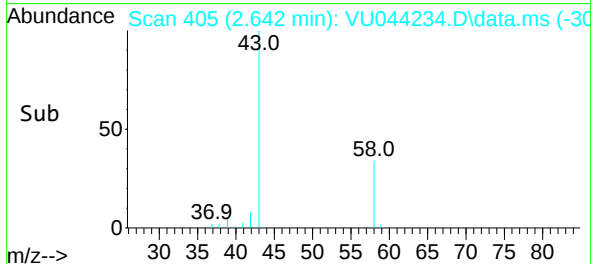
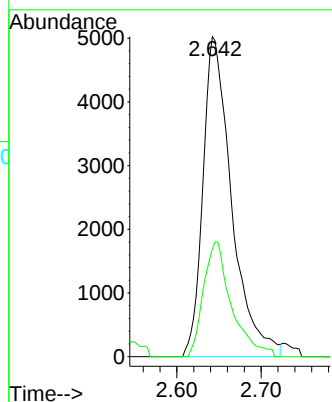
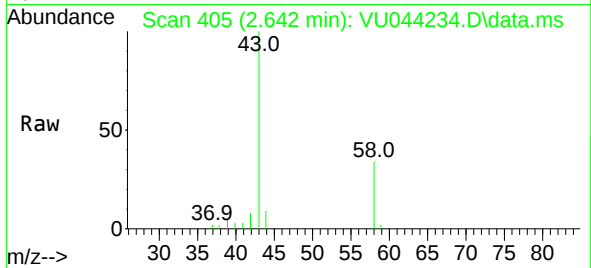




#16
Acetone
Concen: 4.298 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.009 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

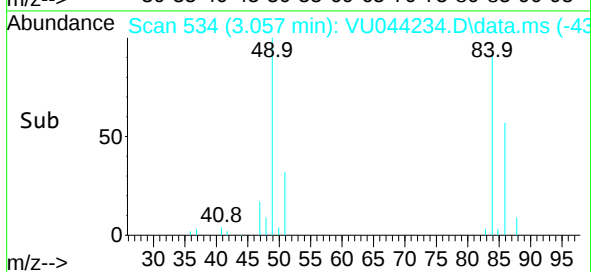
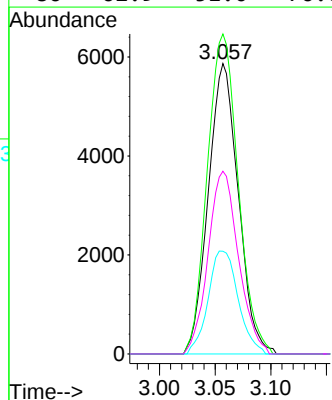
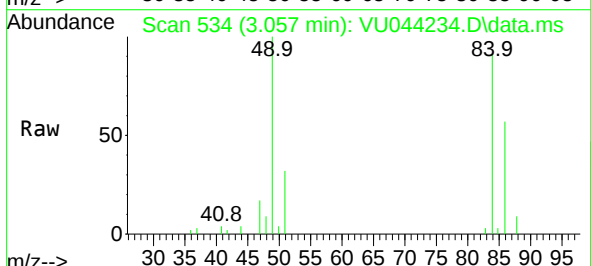
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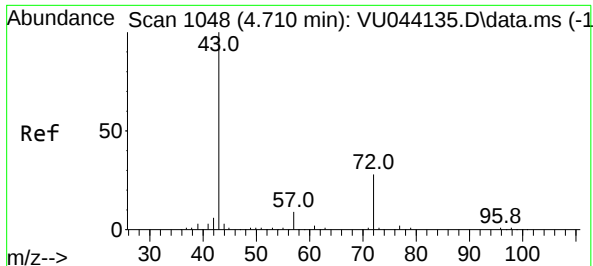
Tgt Ion: 43 Resp: 11919
Ion Ratio Lower Upper
43 100
58 33.7 28.0 42.0



#20
Methylene Chloride
Concen: 2.239 ug/l
RT: 3.057 min Scan# 534
Delta R.T. 0.006 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 84 Resp: 10995
Ion Ratio Lower Upper
84 100
49 110.2 96.9 145.3
51 35.4 31.0 46.6
86 62.9 51.0 76.6

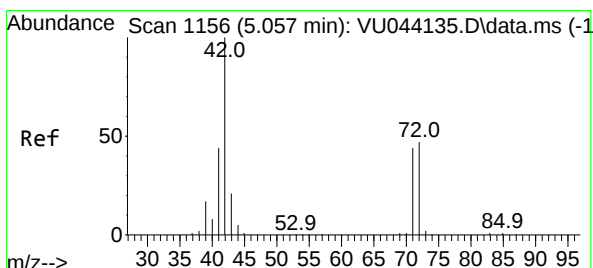
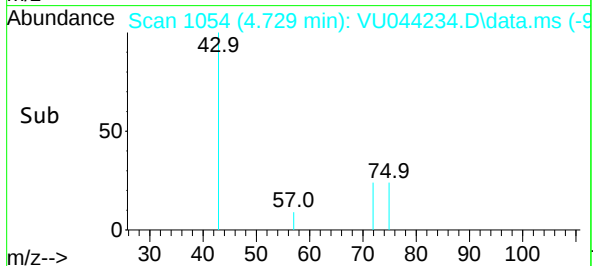
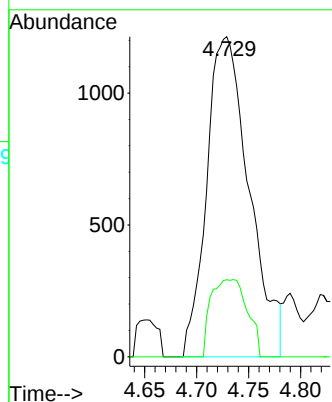
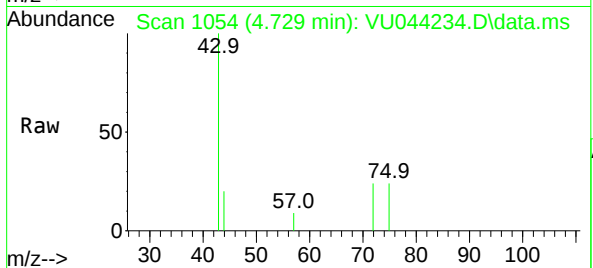




#25
2-Butanone
Concen: 1.146 ug/l
RT: 4.729 min Scan# 1054
Delta R.T. 0.019 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

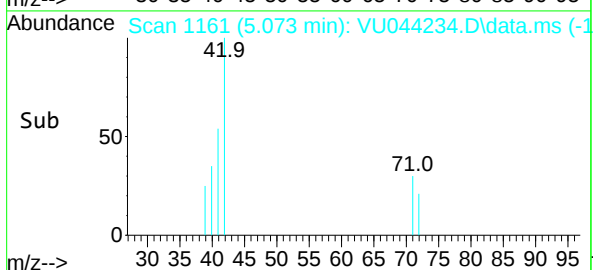
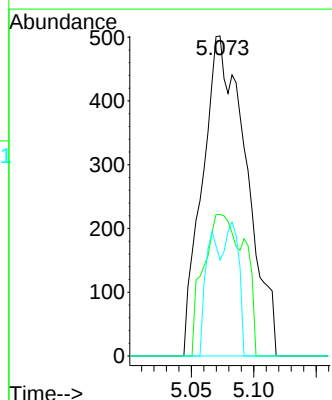
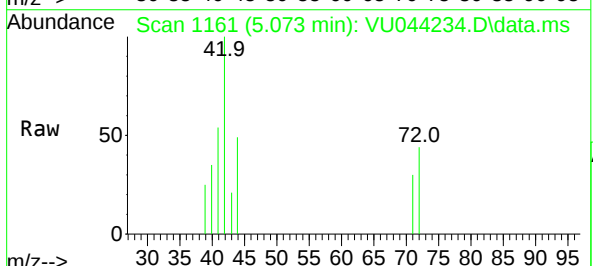
Instrument :
MSVOA_U
ClientSampled :

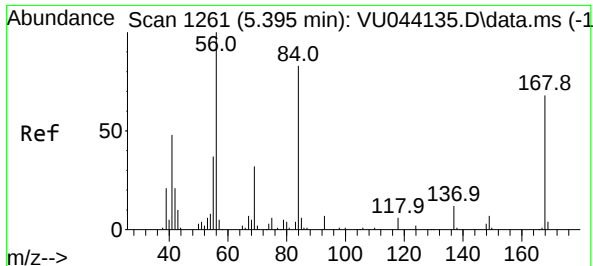
Tgt Ion: 43 Resp: 3447
Ion Ratio Lower Upper
43 100
72 24.1 22.6 33.8



#29
Tetrahydrofuran
Concen: 0.749 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.016 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 42 Resp: 1225
Ion Ratio Lower Upper
42 100
72 41.4 38.6 57.8
71 12.6 35.5 53.3#





#31

Cyclohexane

Concen: 0.930 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU044234.D

Acq: 16 Jun 2021 12:38

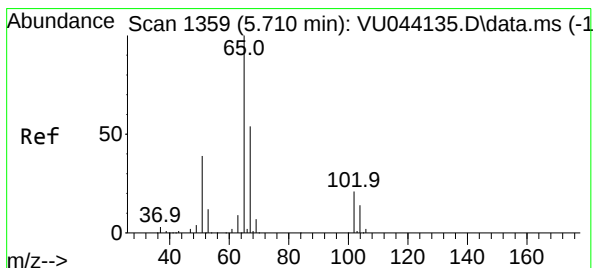
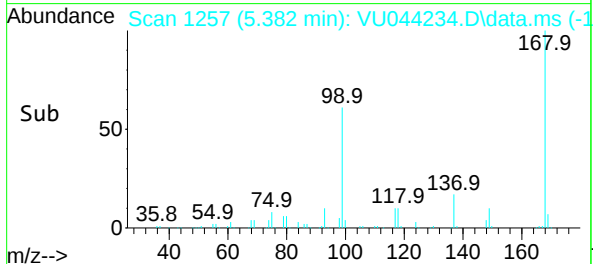
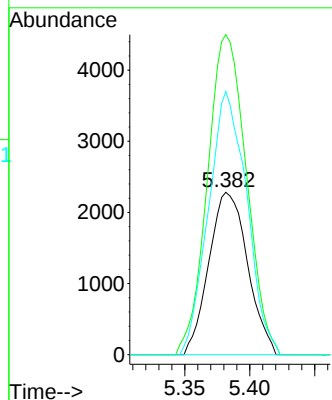
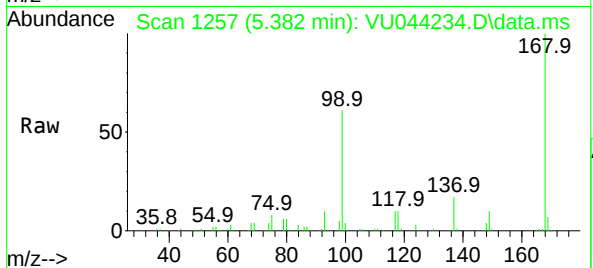
Tgt Ion: 56 Resp: 4731

Ion Ratio Lower Upper

56 100

69 197.0 25.5 38.3#

84 162.0 66.3 99.5#



#33

1,2-Dichloroethane-d4

Concen: 42.397 ug/l

RT: 5.713 min Scan# 1360

Delta R.T. 0.003 min

Lab File: VU044234.D

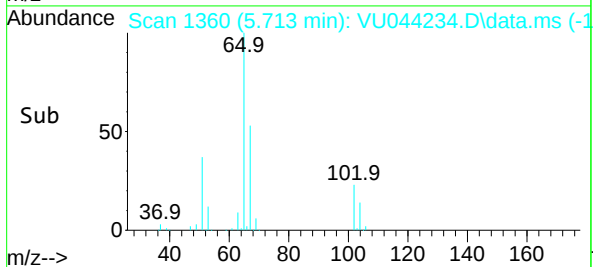
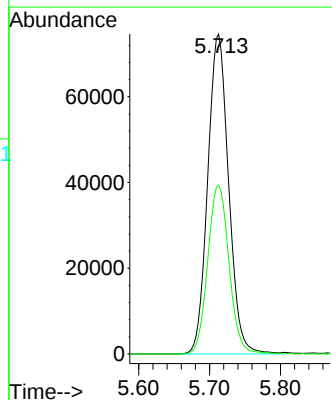
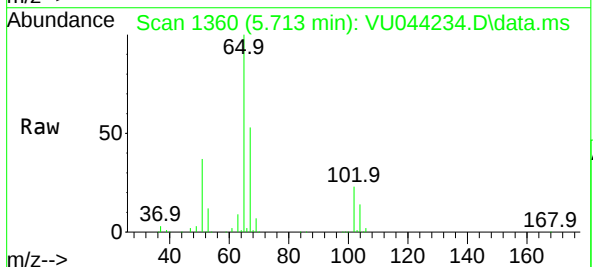
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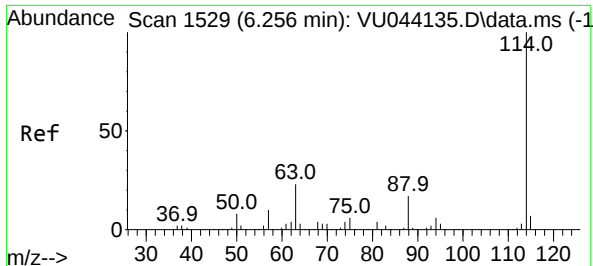
Tgt Ion: 65 Resp: 152844

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6

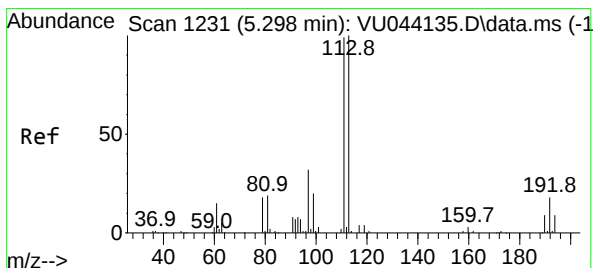
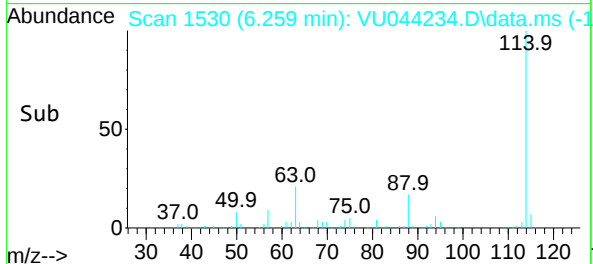
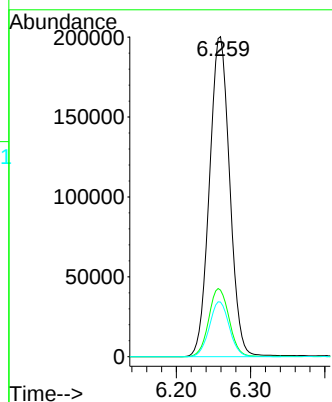
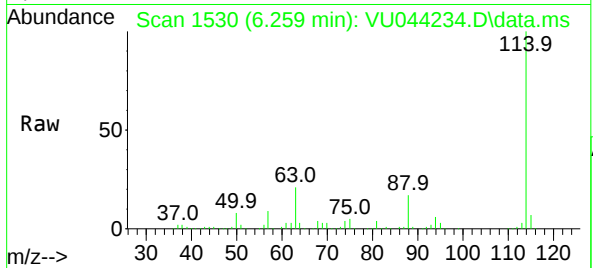




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.259 min Scan# 1530
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

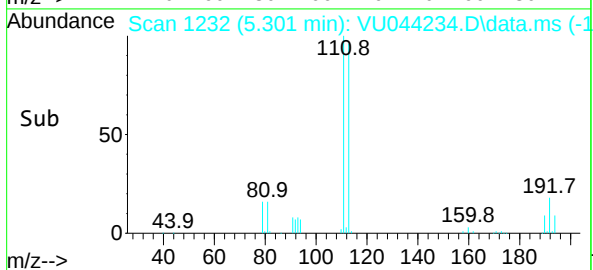
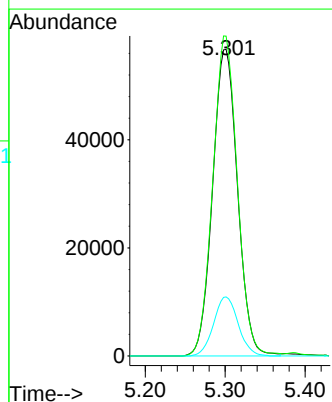
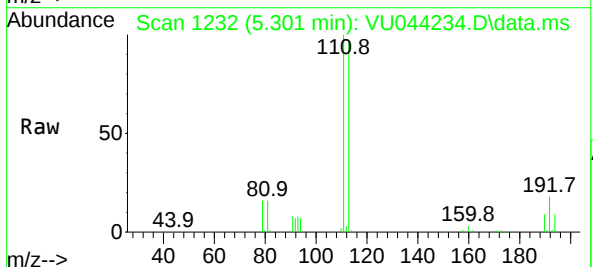
Instrument :
MSVOA_U
ClientSampleId :

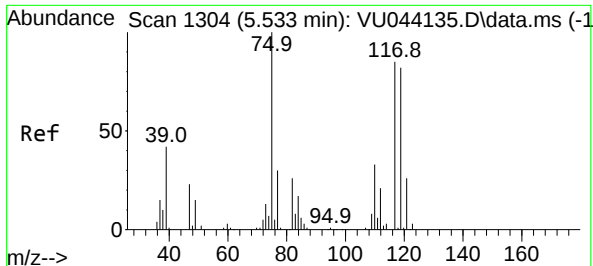
Tgt Ion:114 Resp: 379177
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.8
88 17.0 0.0 34.0



#35
Dibromofluoromethane
Concen: 46.603 ug/l
RT: 5.301 min Scan# 1232
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion:113 Resp: 122924
Ion Ratio Lower Upper
113 100
111 102.7 81.0 121.4
192 19.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.148 min

Lab File: VU044234.D

Acq: 16 Jun 2021 12:38

Tgt Ion: 75 Resp: 17991

Ion Ratio Lower Upper

75 100

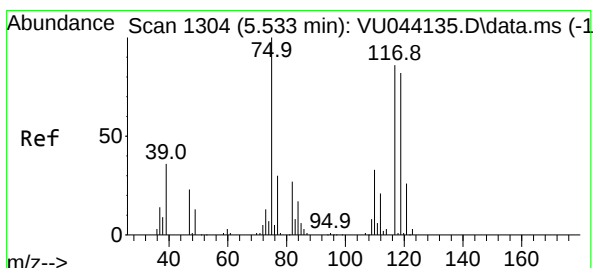
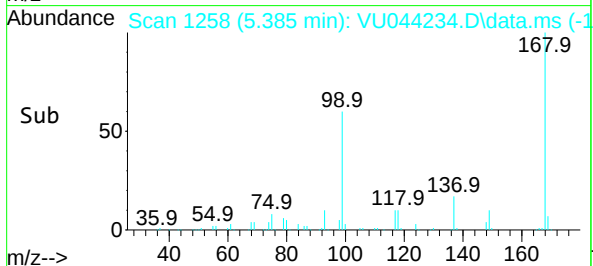
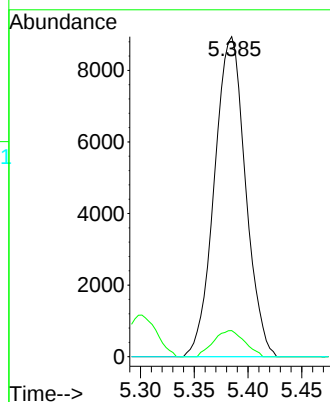
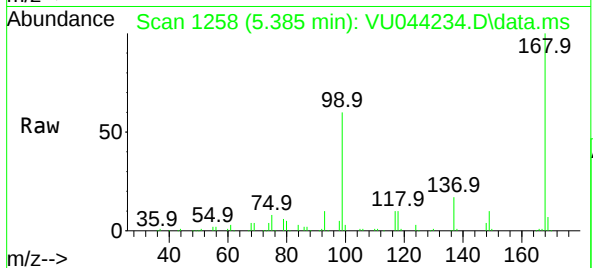
110 8.1 16.4 49.4#

77 0.0 24.7 37.1#

Instrument :

MSVOA_U

ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.102 ug/l

RT: 5.385 min Scan# 1258

Delta R.T. -0.148 min

Lab File: VU044234.D

Acq: 16 Jun 2021 12:38

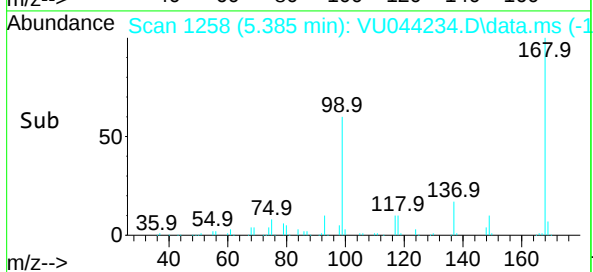
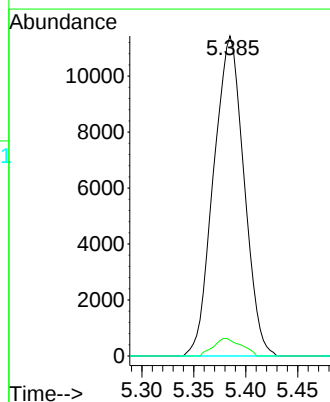
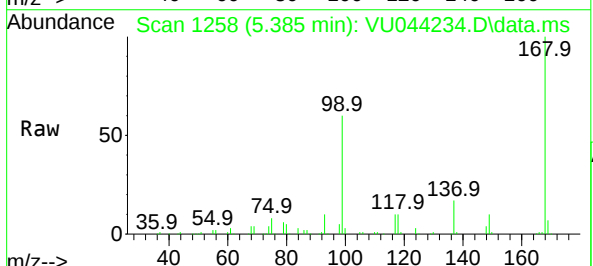
Tgt Ion:117 Resp: 23239

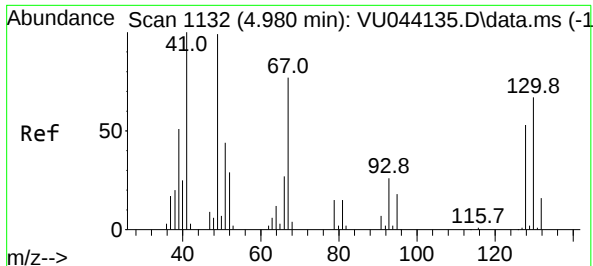
Ion Ratio Lower Upper

117 100

119 4.9 76.6 114.8#

121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 0.251 ug/l

RT: 5.079 min Scan# 1163

Delta R.T. 0.099 min

Lab File: VU044234.D

Acq: 16 Jun 2021 12:38

Tgt Ion: 41 Resp: 649

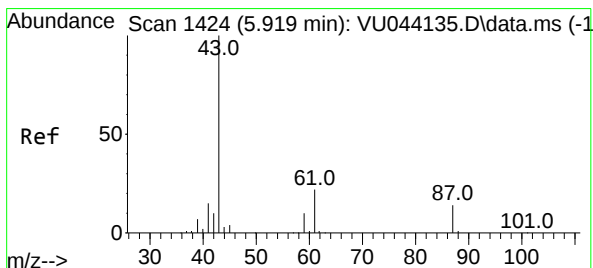
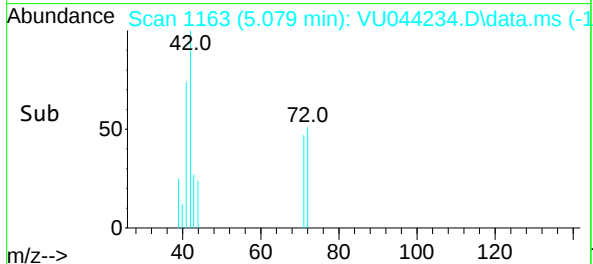
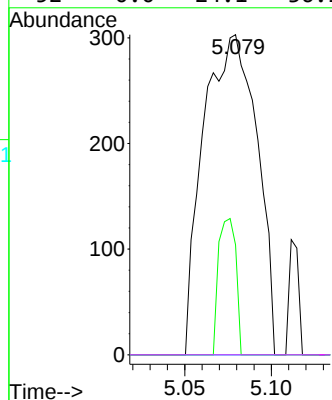
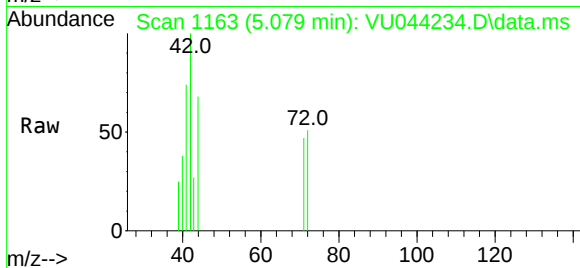
Ion Ratio Lower Upper

41 100

39 13.9 41.4 62.0#

67 0.0 62.6 93.8#

52 0.0 24.1 36.1#



#43

Isopropyl Acetate

Concen: 3.141 ug/l

RT: 5.922 min Scan# 1425

Delta R.T. 0.003 min

Lab File: VU044234.D

Acq: 16 Jun 2021 12:38

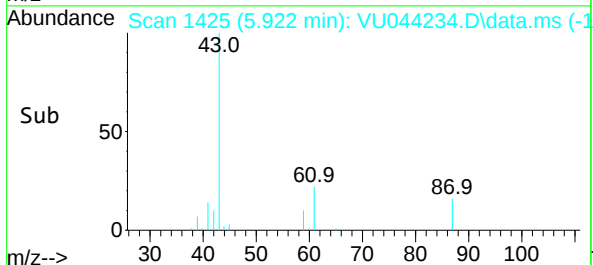
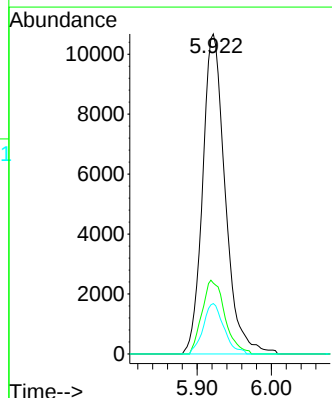
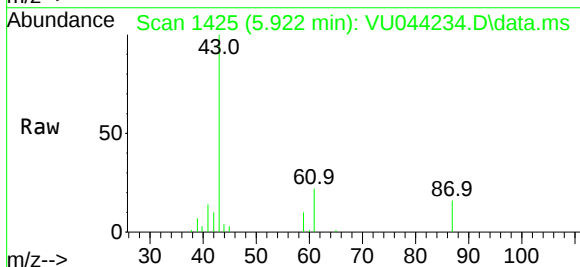
Tgt Ion: 43 Resp: 22514

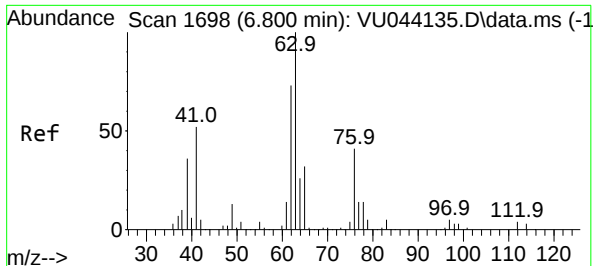
Ion Ratio Lower Upper

43 100

61 23.4 17.8 26.8

87 14.4 11.1 16.7



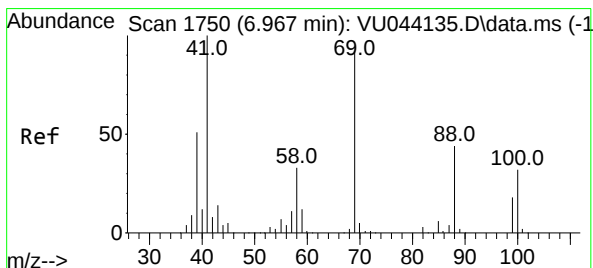
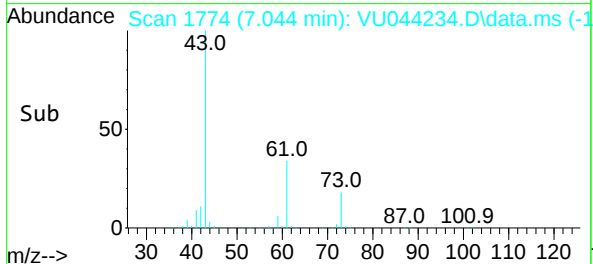
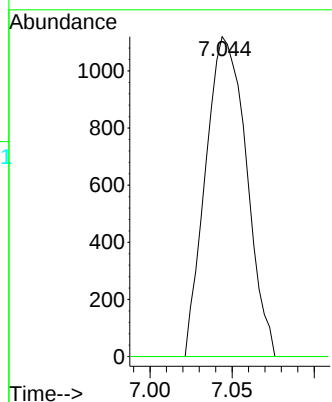
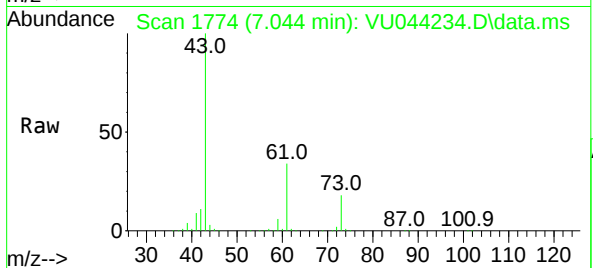


#45

1,2-Dichloropropane
Concen: 0.570 ug/l
RT: 7.044 min Scan# 1774
Delta R.T. 0.244 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Instrument :
MSVOA_U
ClientSampled :

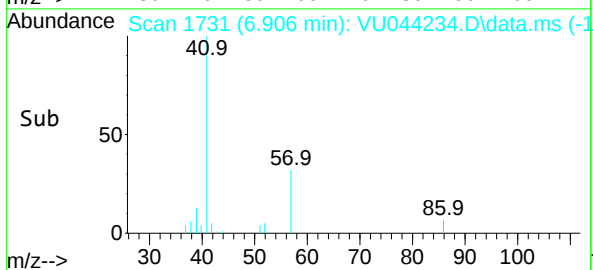
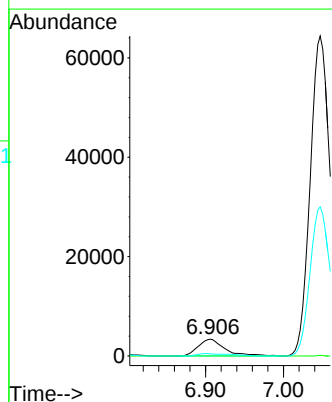
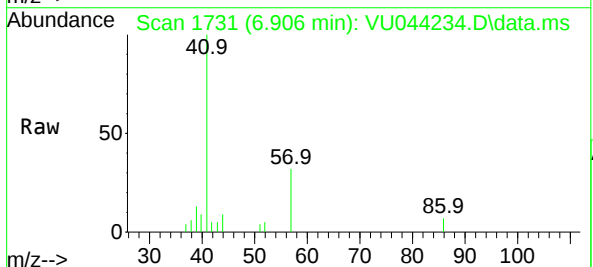
Tgt Ion: 63 Resp: 1935
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

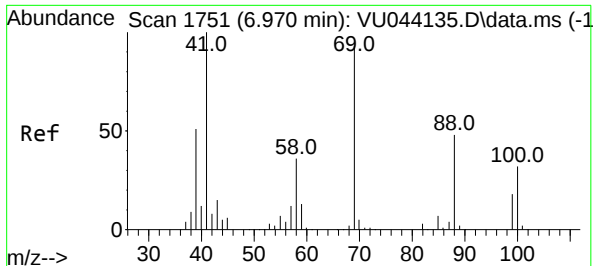


#48

Methyl methacrylate
Concen: 2.287 ug/l
RT: 6.906 min Scan# 1731
Delta R.T. -0.061 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 41 Resp: 7976
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: 1.304 ug/l

RT: 6.992 min Scan# 1758

Delta R.T. 0.022 min

Lab File: VU044234.D

Acq: 16 Jun 2021 12:38

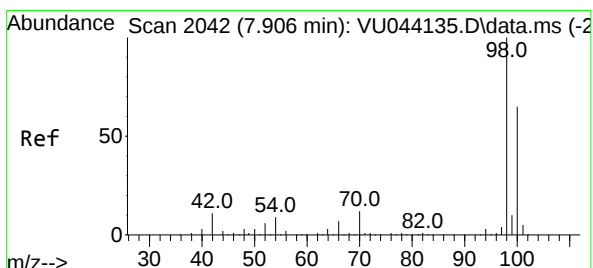
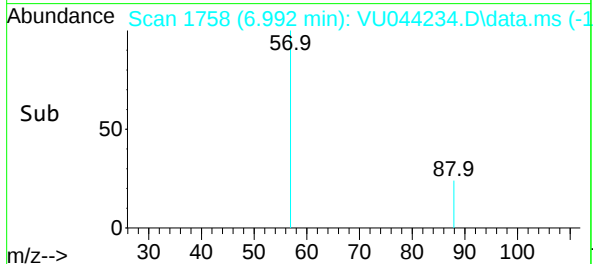
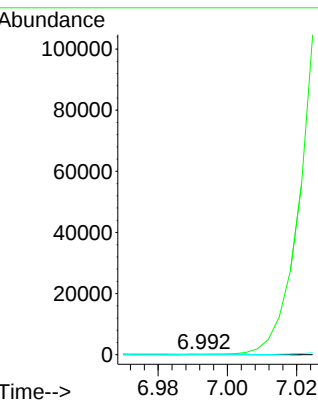
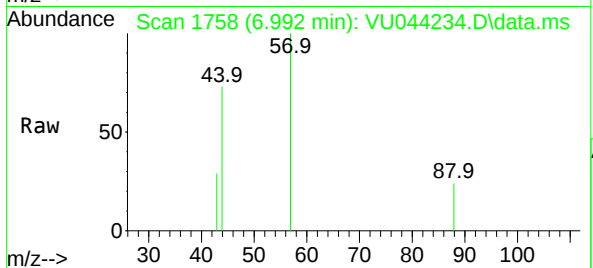
Tgt Ion: 88 Resp: 119

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 48.445 ug/l

RT: 7.906 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VU044234.D

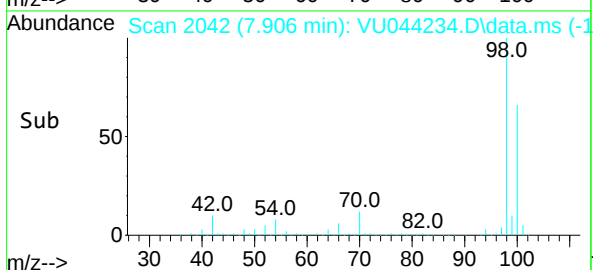
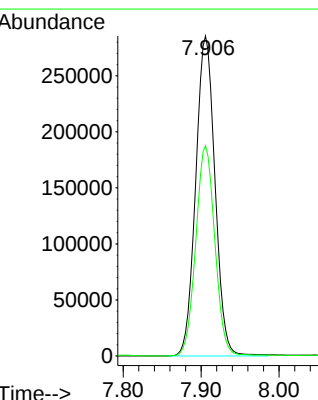
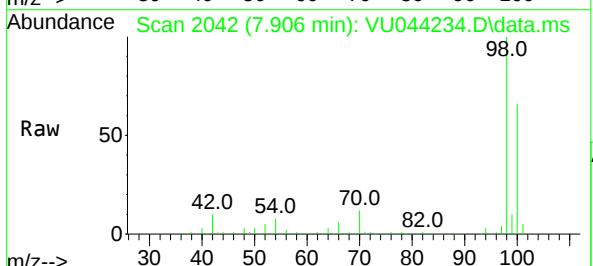
Acq: 16 Jun 2021 12:38

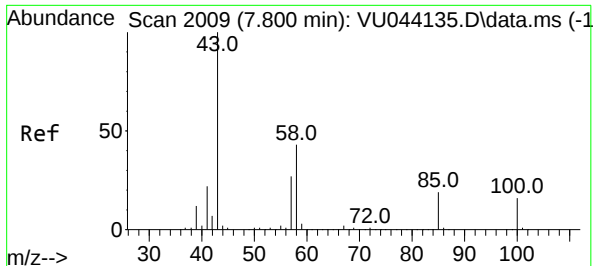
Tgt Ion: 98 Resp: 490744

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4

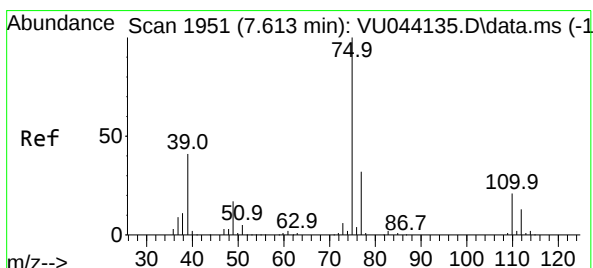
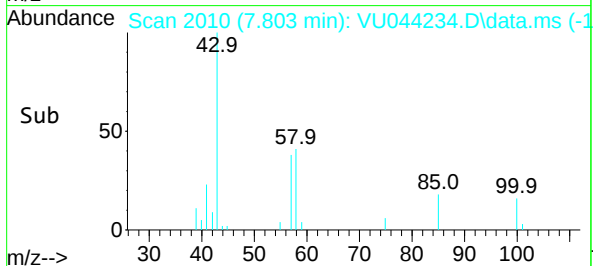
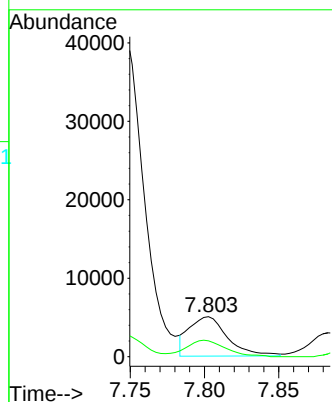
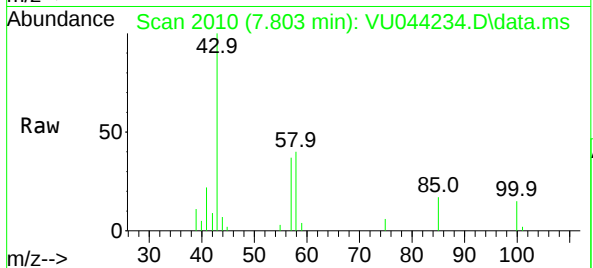




#51
4-Methyl-2-Pentanone
Concen: 1.746 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

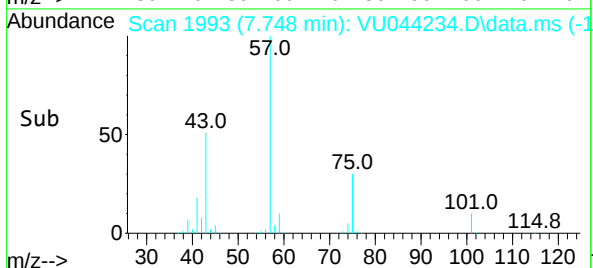
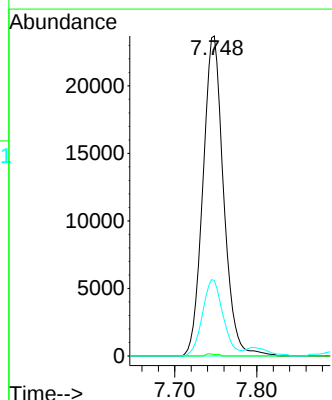
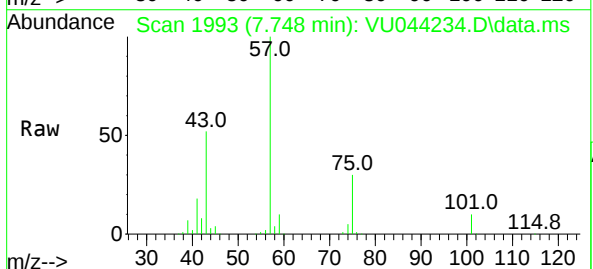
Instrument :
MSVOA_U
ClientSampled :

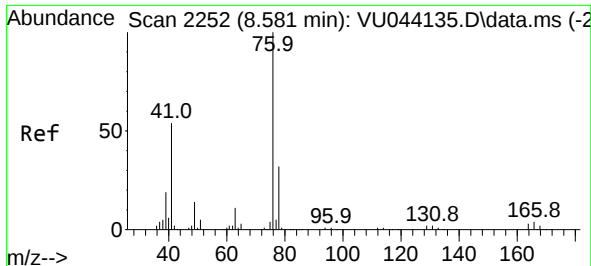
Tgt Ion: 43 Resp: 9057
Ion Ratio Lower Upper
43 100
58 43.0 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 8.130 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.135 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 75 Resp: 41335
Ion Ratio Lower Upper
75 100
77 0.5 25.9 38.9#
39 23.6 33.2 49.8#



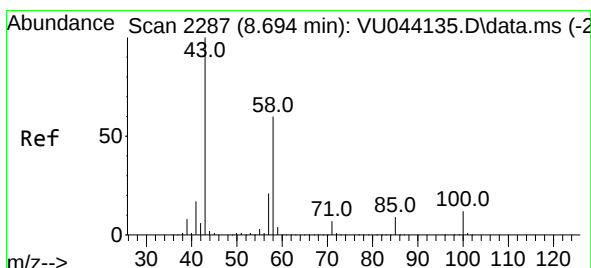
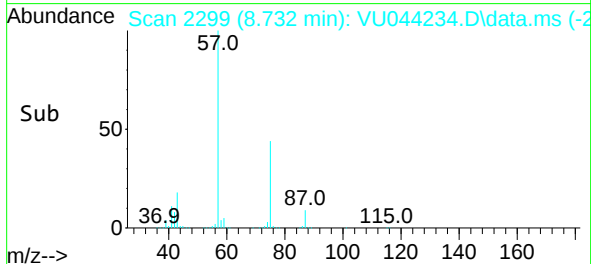
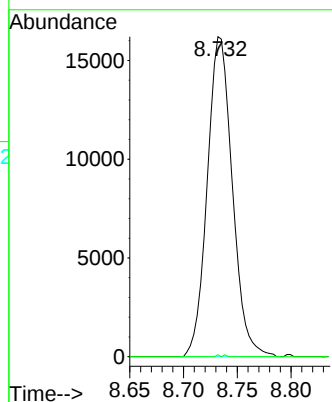
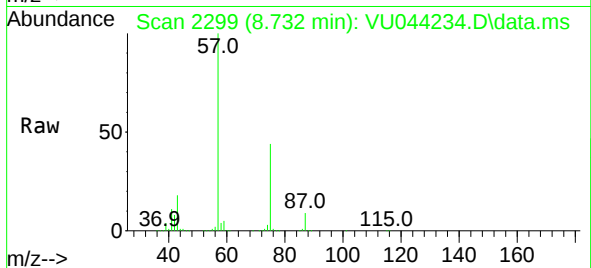


#57

1,3-Dichloropropane
Concen: 4.772 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.151 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Instrument :
MSVOA_U
ClientSampled :

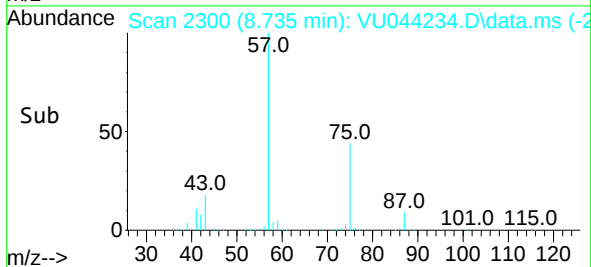
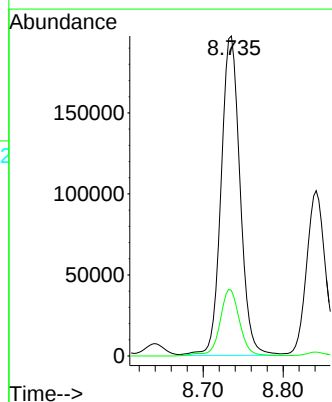
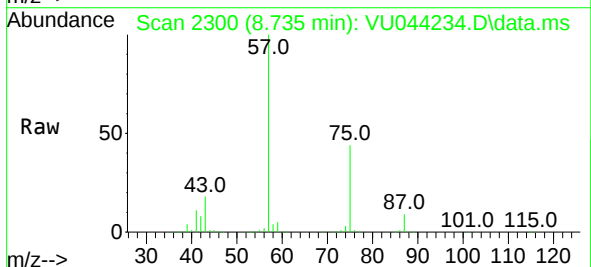
Tgt Ion: 76 Resp: 26350
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

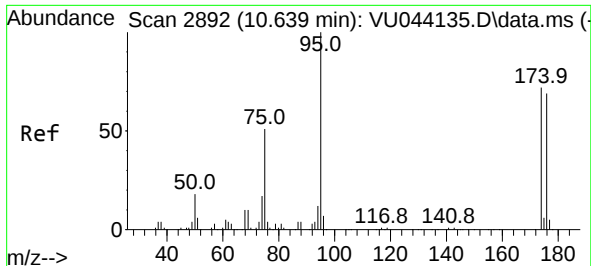


#59

2-Hexanone
Concen: 78.407 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.041 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 43 Resp: 324606
Ion Ratio Lower Upper
43 100
58 21.7 30.0 90.1#

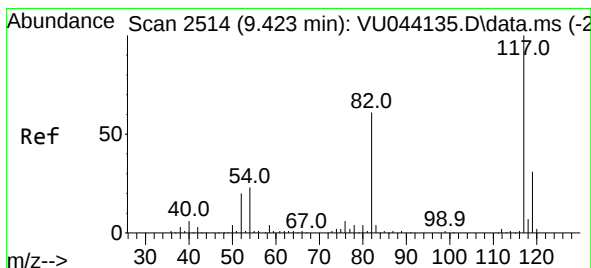
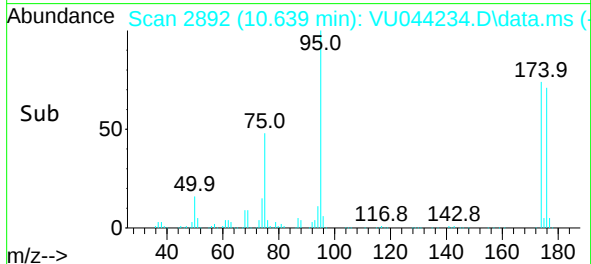
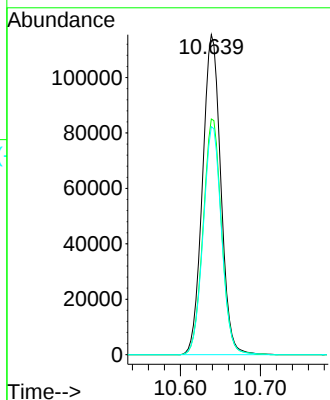
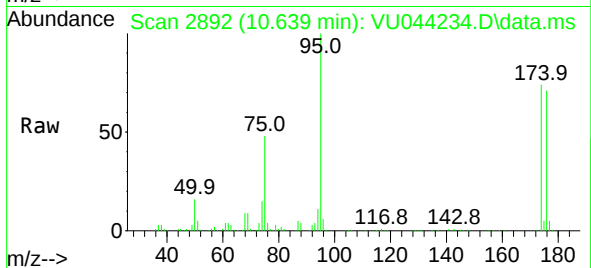




#62
4-Bromofluorobenzene
Concen: 45.268 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

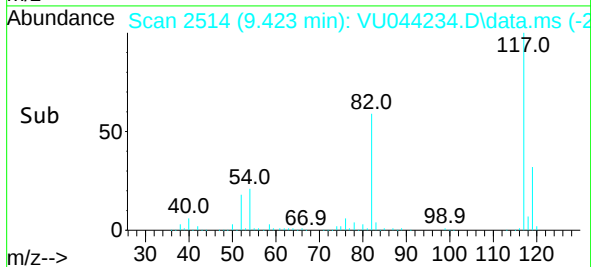
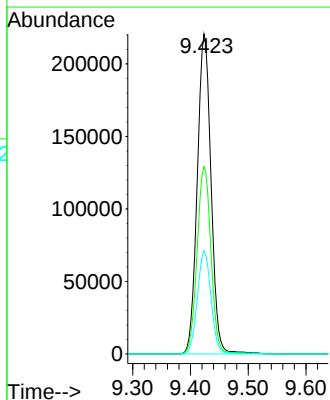
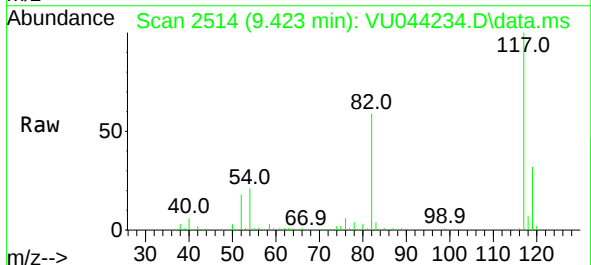
Instrument :
MSVOA_U
ClientSampleId :

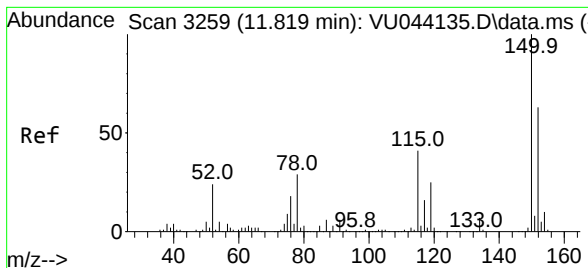
Tgt Ion: 95 Resp: 183769
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.4
176 71.7 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 117 Resp: 365704
Ion Ratio Lower Upper
117 100
82 58.5 48.8 73.2
119 32.2 25.0 37.6

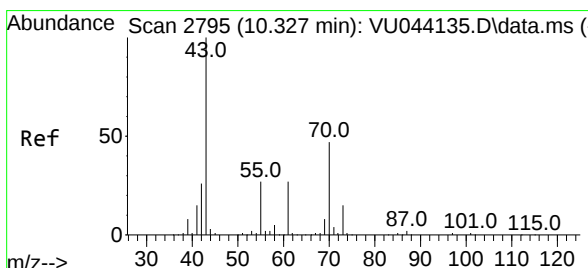
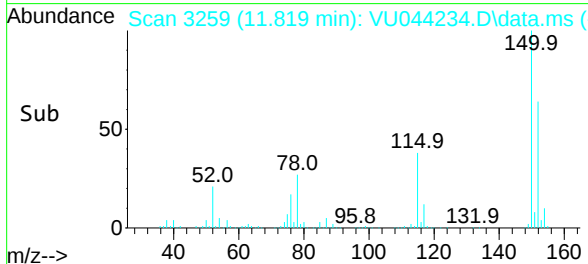
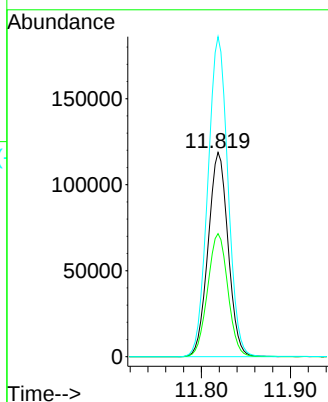
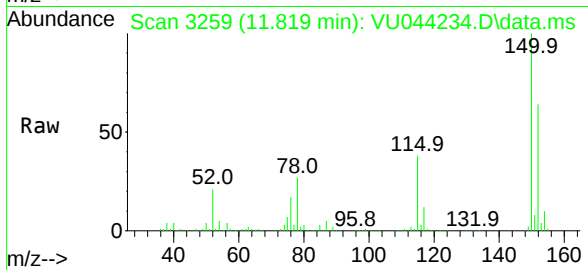




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

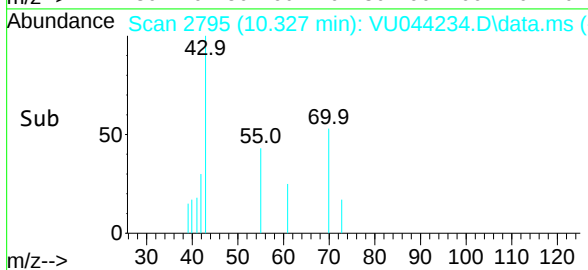
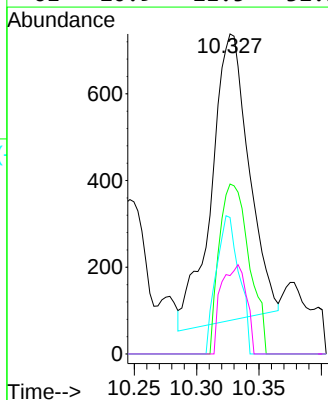
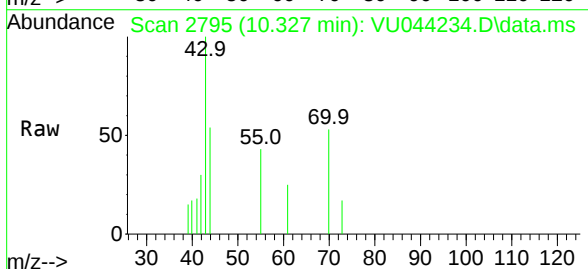
Instrument :
MSVOA_U
ClientSampled :

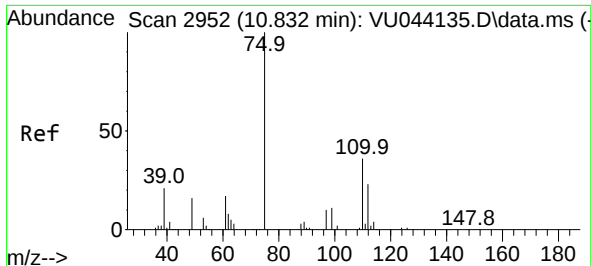
Tgt Ion:152 Resp: 184823
Ion Ratio Lower Upper
152 100
115 61.1 43.8 131.3
150 157.5 0.0 350.6



#74
N-ethyl acetate
Concen: 0.247 ug/l
RT: 10.327 min Scan# 2795
Delta R.T. -0.000 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
70 47.8 37.7 56.5
55 29.5 22.4 33.6
61 20.9 21.5 32.3#

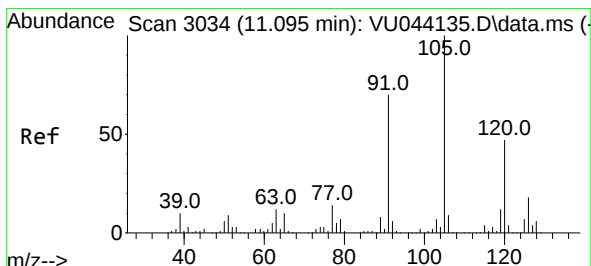
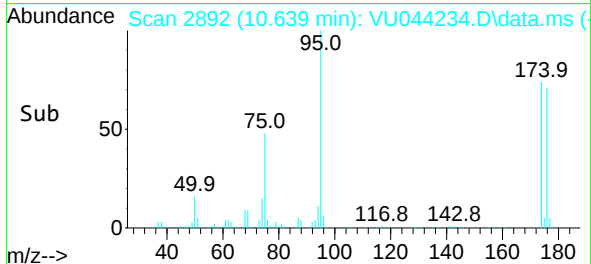
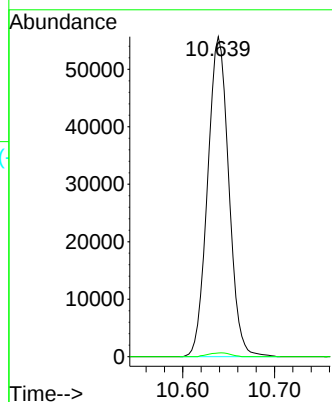
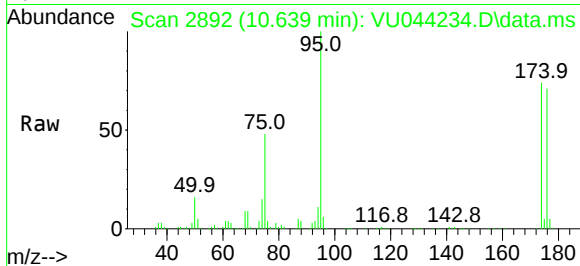




#76
1,2,3-Trichloropropane
Concen: 14.421 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.193 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

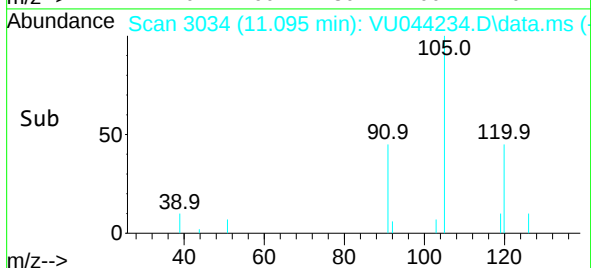
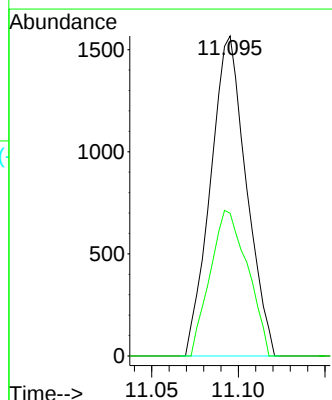
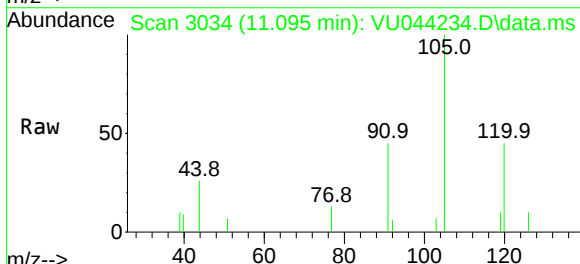
Instrument :
MSVOA_U
ClientSampleId :

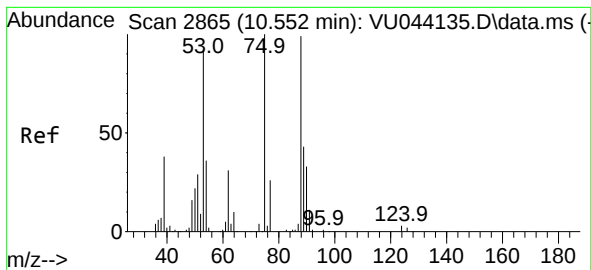
Tgt Ion: 75 Resp: 89365
Ion Ratio Lower Upper
75 100
77 1.3 14.9 44.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.204 ug/l
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

Tgt Ion:105 Resp: 2250
Ion Ratio Lower Upper
105 100
120 47.6 23.5 70.5

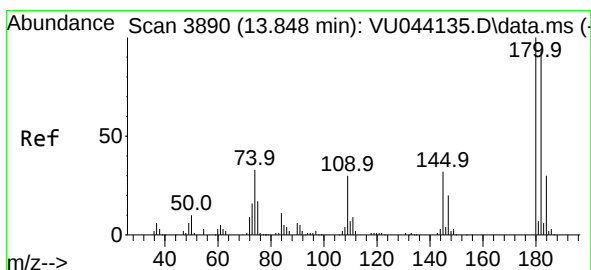
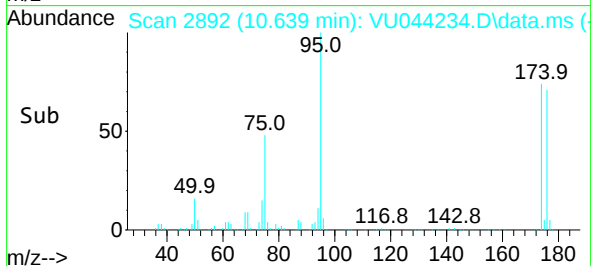
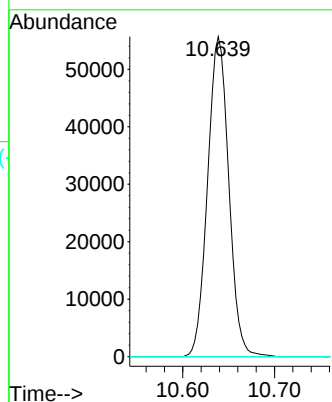
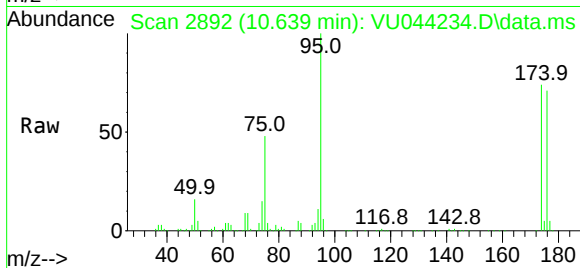




#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.277 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU044234.D
 Acq: 16 Jun 2021 12:38

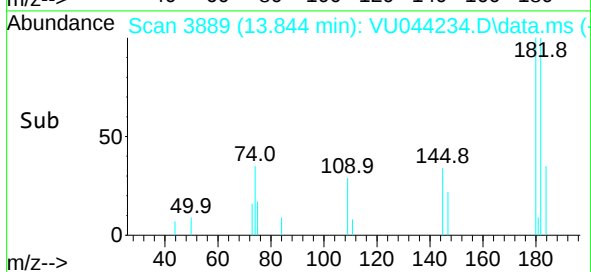
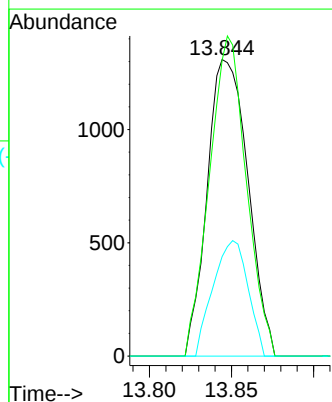
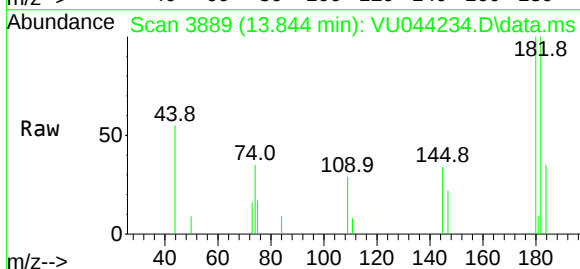
Instrument :
 MSVOA_U
 ClientSampleId :

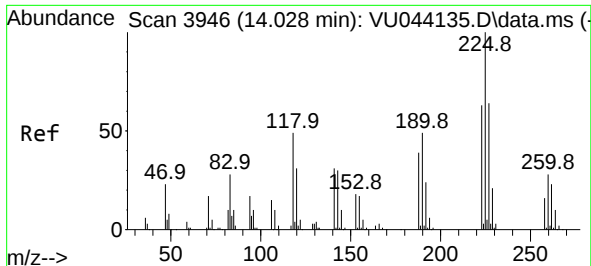
Tgt Ion: 75 Resp: 89365
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.2#
 89 0.0 35.0 52.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.584 ug/l
 RT: 13.844 min Scan# 3889
 Delta R.T. -0.004 min
 Lab File: VU044234.D
 Acq: 16 Jun 2021 12:38

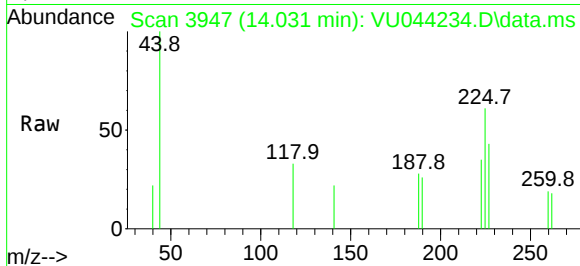
Tgt Ion:180 Resp: 2256
 Ion Ratio Lower Upper
 180 100
 182 97.8 47.3 141.8
 145 33.3 16.1 48.2



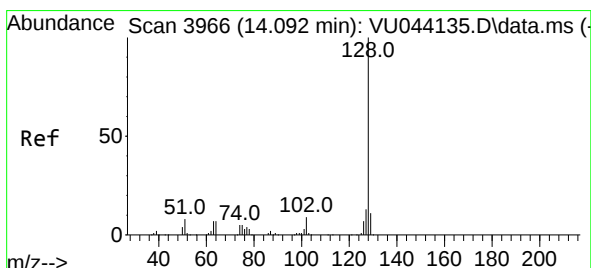
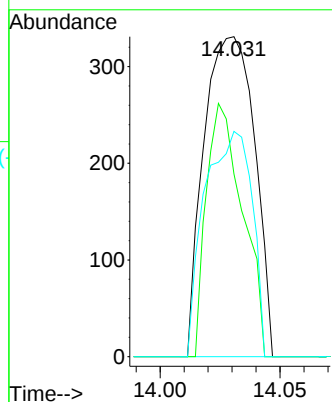
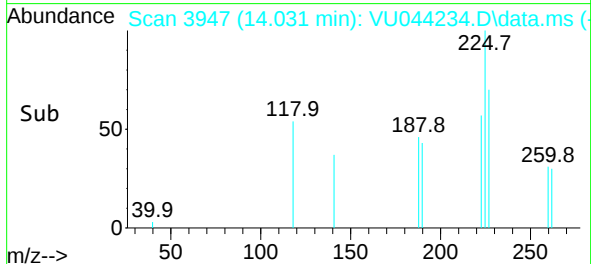


#94
Hexachlorobutadiene
Concen: 0.234 ug/l
RT: 14.031 min Scan# 3947
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38

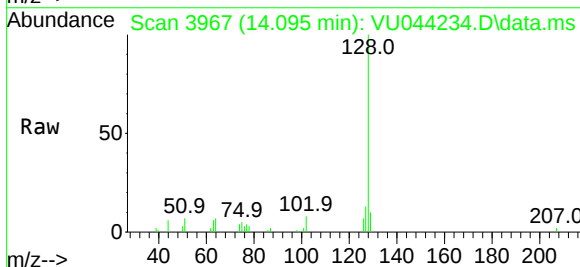
Instrument :
MSVOA_U
ClientSampled :



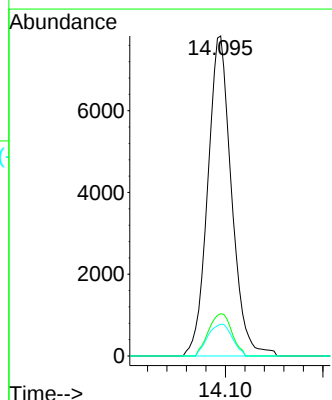
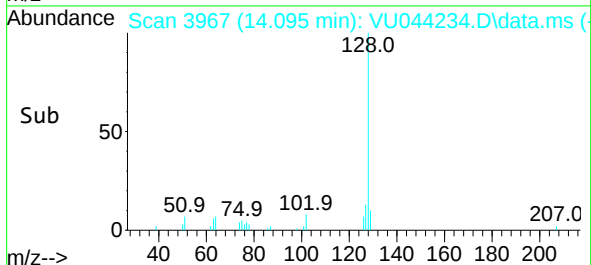
Tgt Ion:225 Resp: 485
Ion Ratio Lower Upper
225 100
223 56.7 31.2 93.6
227 65.6 32.2 96.6

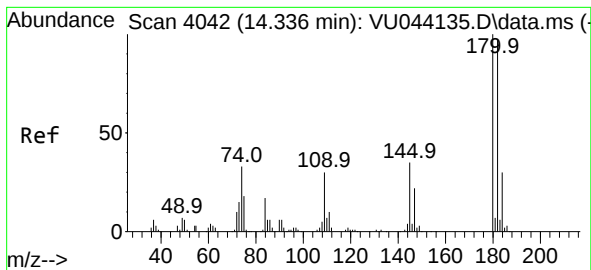


#95
Naphthalene
Concen: 3.797 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044234.D
Acq: 16 Jun 2021 12:38



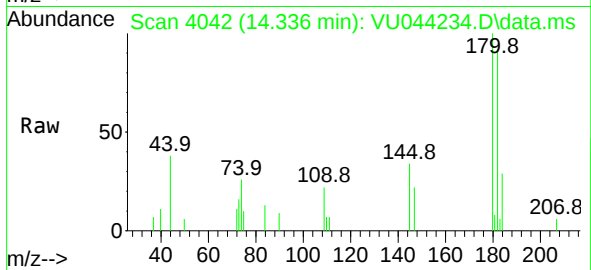
Tgt Ion:128 Resp: 13243
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.787 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.000 min
 Lab File: VU044234.D
 Acq: 16 Jun 2021 12:38

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	2950
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.7
145	33.8	17.2	51.6

