

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061421\
 Data File : VU044198.D
 Acq On : 14 Jun 2021 22:31
 Operator : SY/MD
 Sample : VU0614WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 02:51:43 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

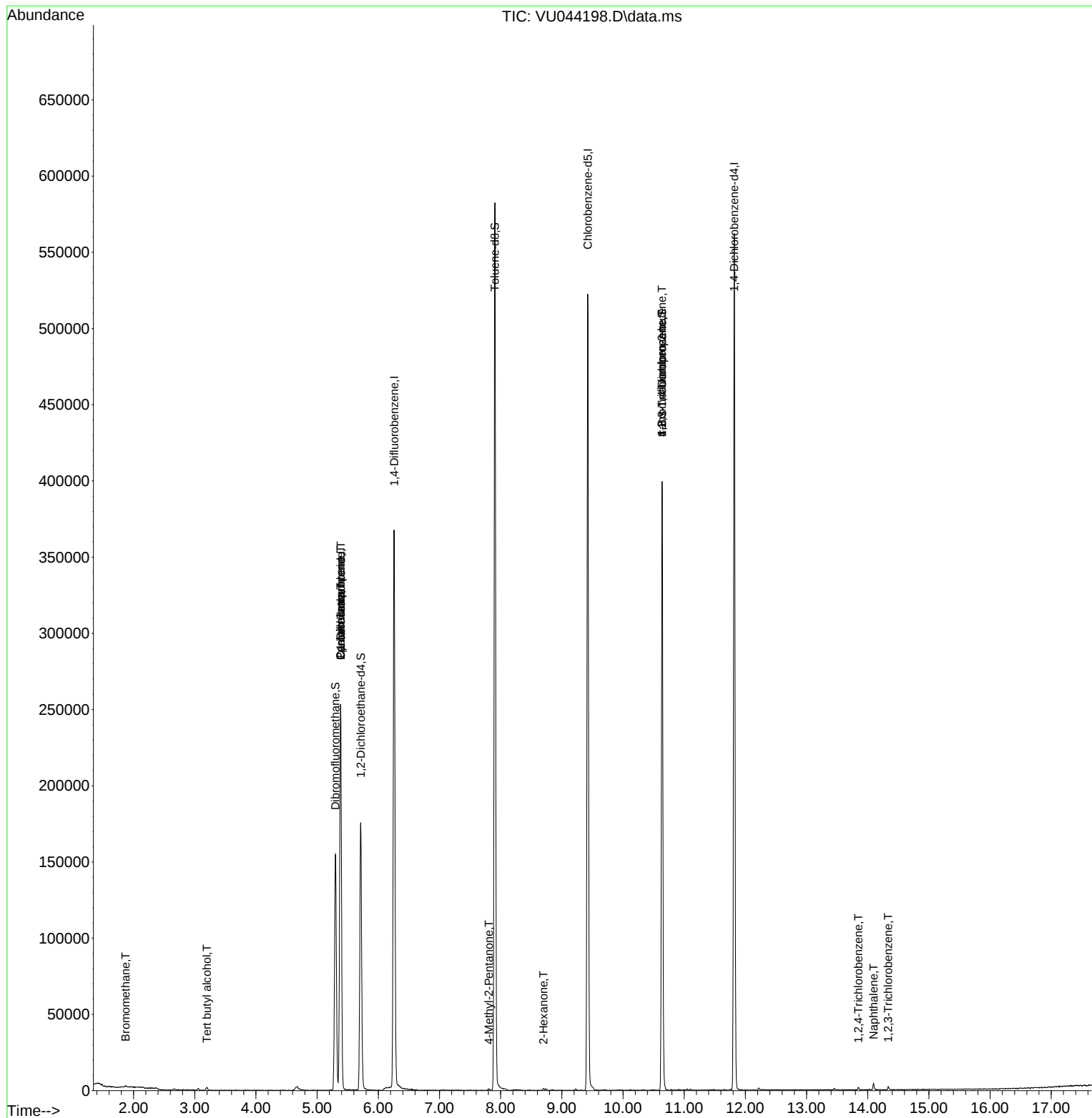
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.385	168	170752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.260	114	291337	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	286582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	143470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	131054	48.263	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.520%	
35) Dibromofluoromethane	5.298	113	101961	50.311	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.620%	
50) Toluene-d8	7.906	98	380238	48.854	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.700%	
62) 4-Bromofluorobenzene	10.639	95	137139	43.967	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	302	Below Cal	#	63
5) Bromomethane	1.871	94	491	0.414	ug/l #	60
6) Chloroethane	1.864	64	74	Below Cal	#	42
11) Tert butyl alcohol	3.199	59	1206	1.651	ug/l #	73
16) Acetone	2.671	43	1369	Below Cal		97
20) Methylene Chloride	3.060	84	710	Below Cal	#	89
31) Cyclohexane	5.382	56	3638	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.382	75	14464	4.462	ug/l #	51
38) Carbon Tetrachloride	5.385	117	17980	6.144	ug/l #	16
51) 4-Methyl-2-Pentanone	7.806	43	1154	0.290	ug/l #	70
59) 2-Hexanone	8.700	43	1056	0.332	ug/l #	60
76) 1,2,3-Trichloropropane	10.639	75	68464	14.233	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	68464	51.594	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.848	180	674	0.225	ug/l	89
95) Naphthalene	14.095	128	3799	3.191	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.336	180	822	0.283	ug/l	93

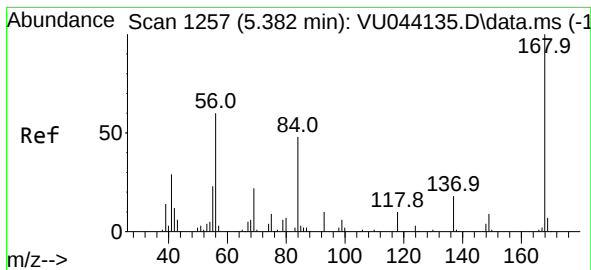
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U060921W.M
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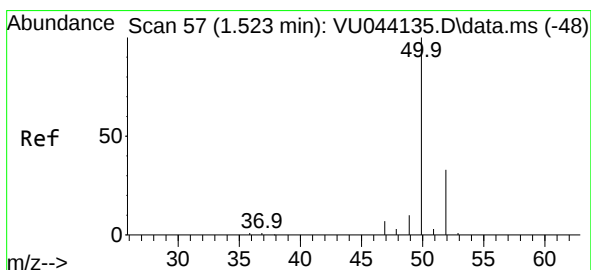
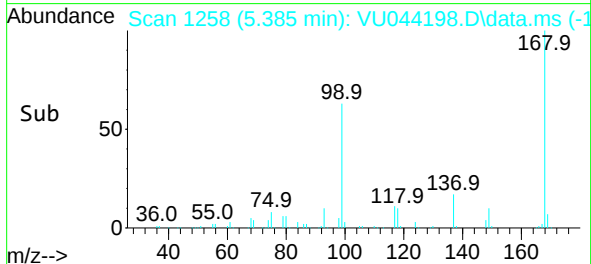
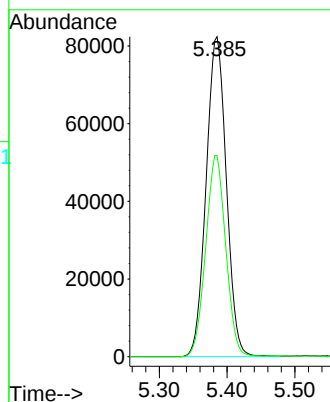
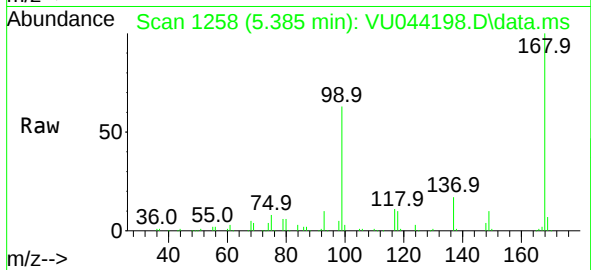




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

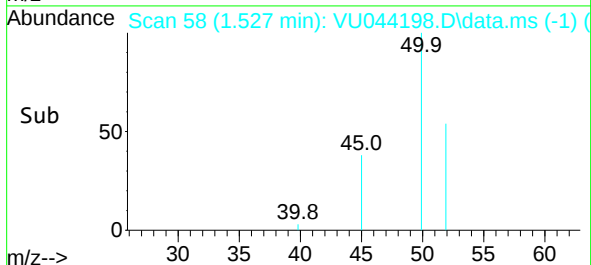
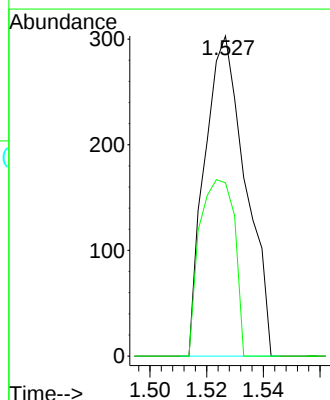
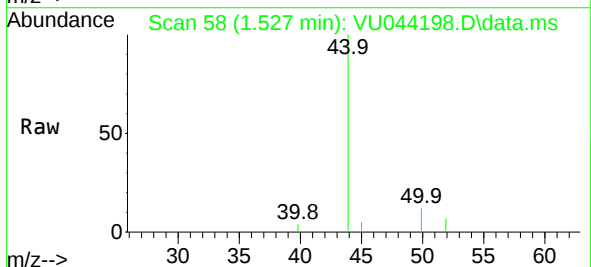
Instrument :
MSVOA_U
ClientSampled :

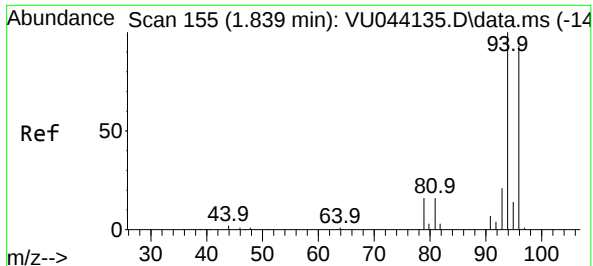
Tgt Ion:168 Resp: 170752
Ion Ratio Lower Upper
168 100
99 62.8 51.3 76.9



#3
Chloromethane
Concen: Below Cal
RT: 1.527 min Scan# 58
Delta R.T. 0.004 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 54.1 26.6 39.8#

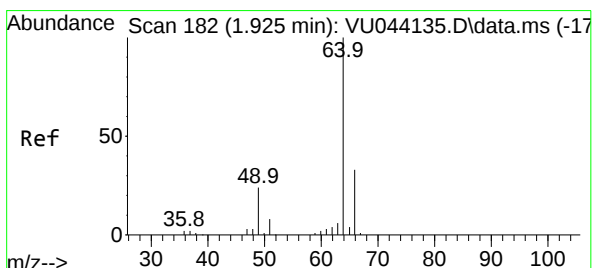
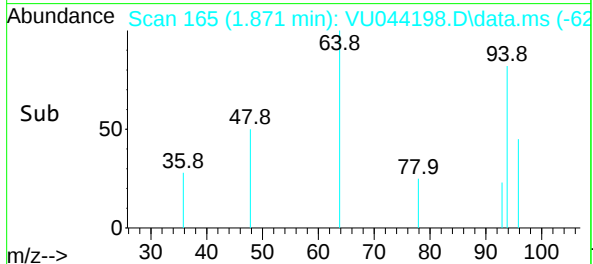
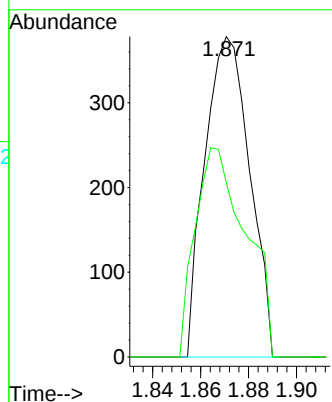
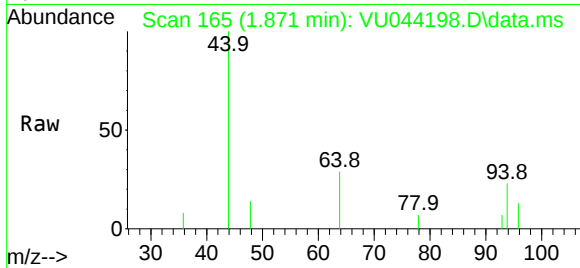




#5
Bromomethane
Concen: 0.414 ug/l
RT: 1.871 min Scan# 165
Delta R.T. 0.032 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

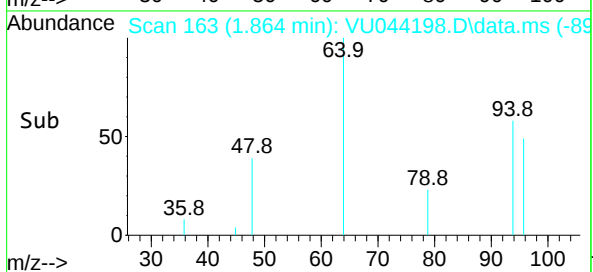
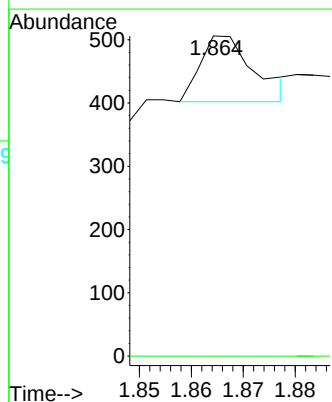
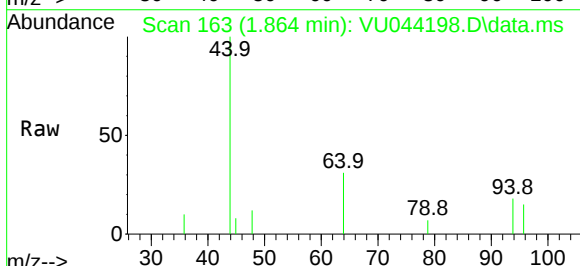
Instrument :
MSVOA_U
ClientSampled :

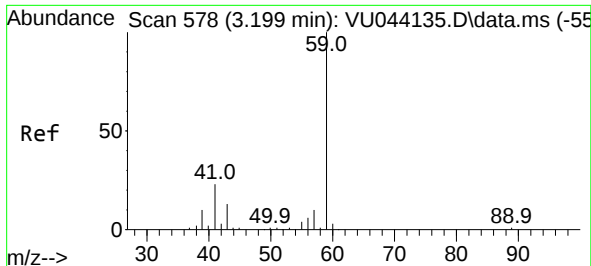
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 54.5 74.1 111.1#



#6
Chloroethane
Concen: Below Cal
RT: 1.864 min Scan# 163
Delta R.T. -0.061 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 64 Resp: 74
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

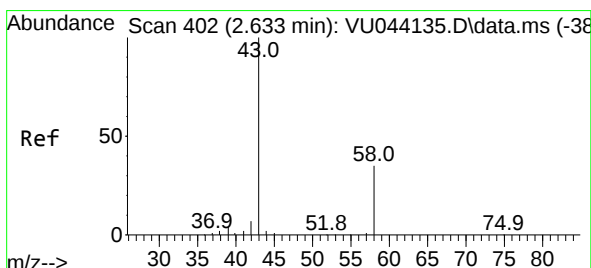
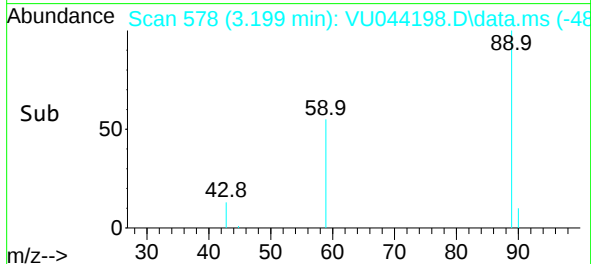
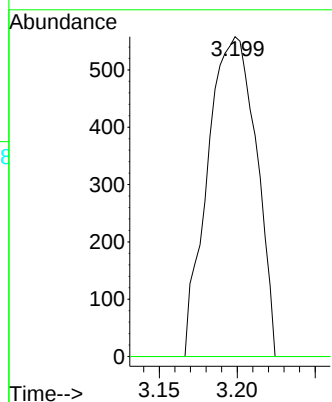
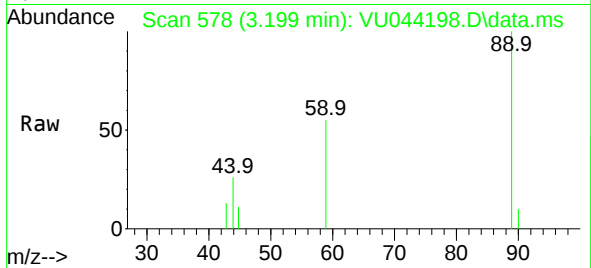




#11
Tert butyl alcohol
Concen: 1.651 ug/l
RT: 3.199 min Scan# 578
Delta R.T. -0.000 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

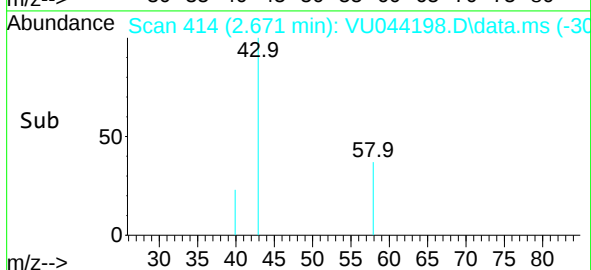
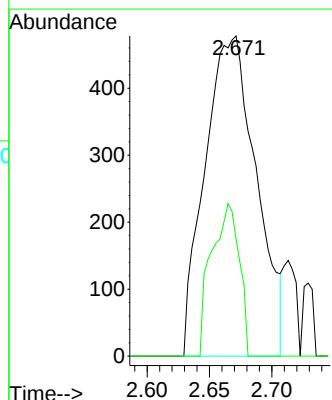
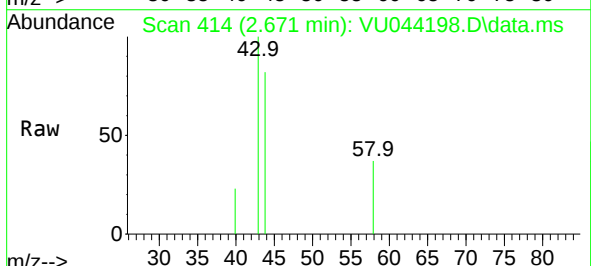
Instrument :
MSVOA_U
ClientSampled :

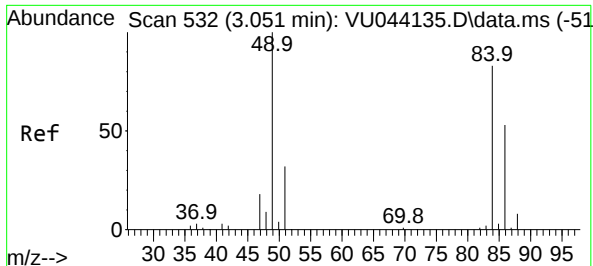
Tgt Ion: 59 Resp: 1206
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: Below Cal
RT: 2.671 min Scan# 414
Delta R.T. 0.038 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
58 36.6 28.0 42.0





#20

Methylene Chloride

Concen: Below Cal

RT: 3.060 min Scan# 535

Delta R.T. 0.009 min

Lab File: VU044198.D

Acq: 14 Jun 2021 22:31

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 84 Resp: 710

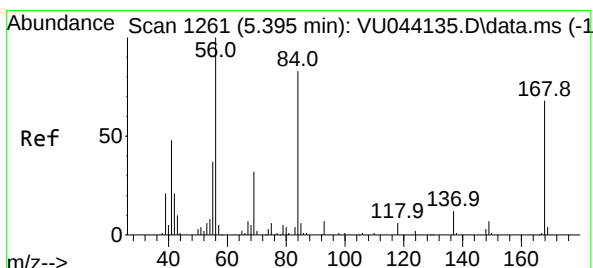
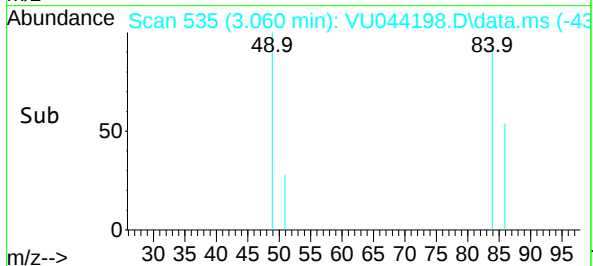
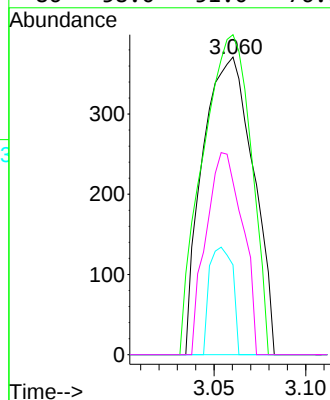
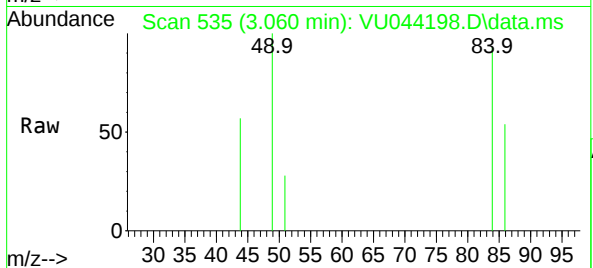
Ion Ratio Lower Upper

84 100

49 107.5 96.9 145.3

51 30.2 31.0 46.6#

86 58.0 51.0 76.6



#31

Cyclohexane

Concen: 0.949 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.013 min

Lab File: VU044198.D

Acq: 14 Jun 2021 22:31

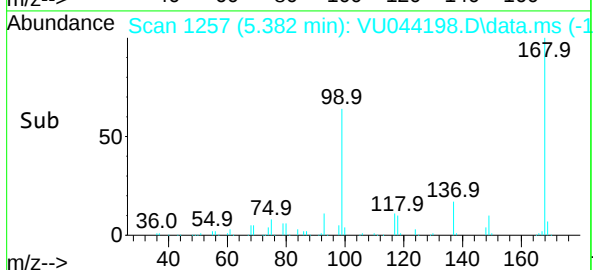
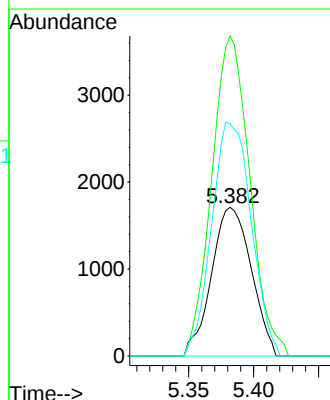
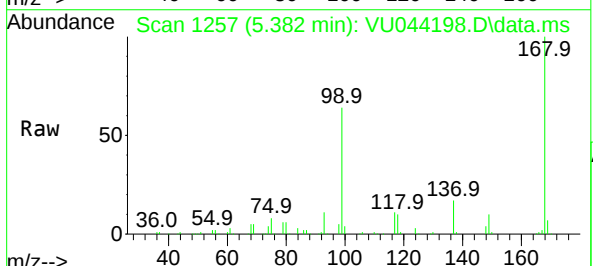
Tgt Ion: 56 Resp: 3638

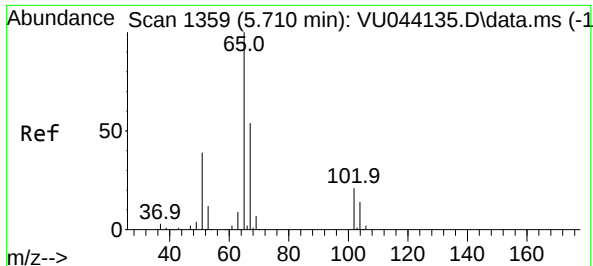
Ion Ratio Lower Upper

56 100

69 215.3 25.5 38.3#

84 156.3 66.3 99.5#

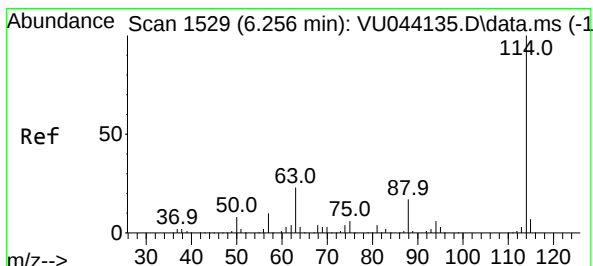
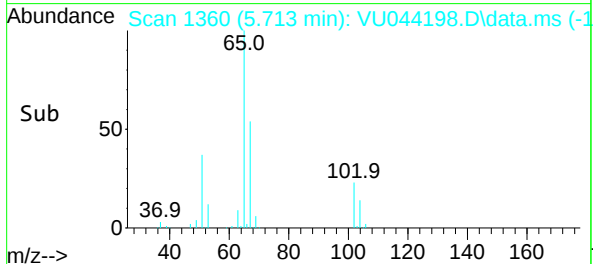
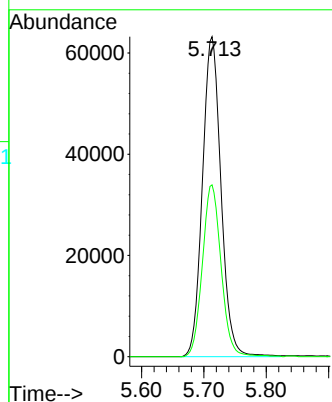
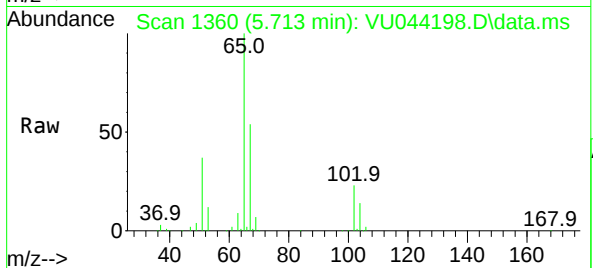




#33
1,2-Dichloroethane-d4
Concen: 48.263 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

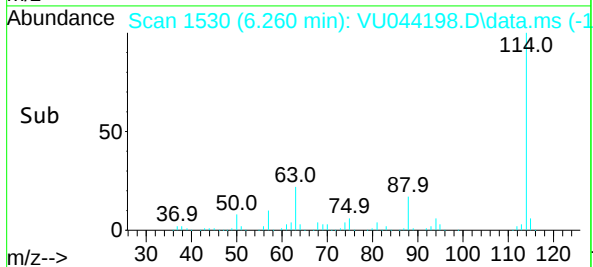
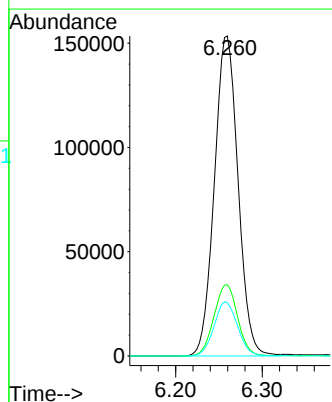
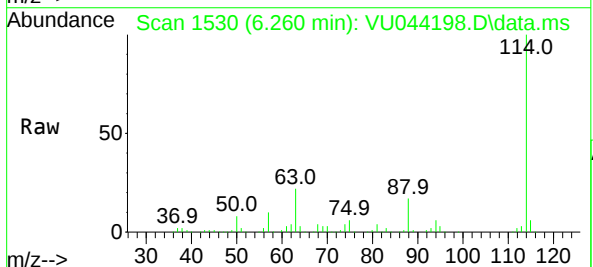
Instrument :
MSVOA_U
ClientSampled :

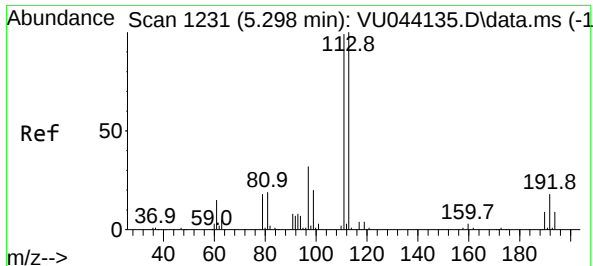
Tgt Ion: 65 Resp: 131054
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.260 min Scan# 1530
Delta R.T. 0.004 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 114 Resp: 291337
Ion Ratio Lower Upper
114 100
63 22.3 0.0 45.8
88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.311 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.000 min

Lab File: VU044198.D

Acq: 14 Jun 2021 22:31

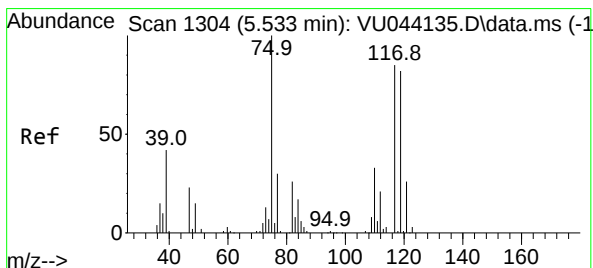
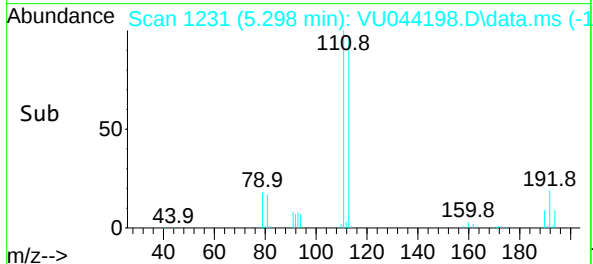
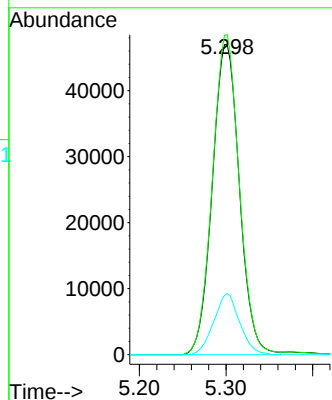
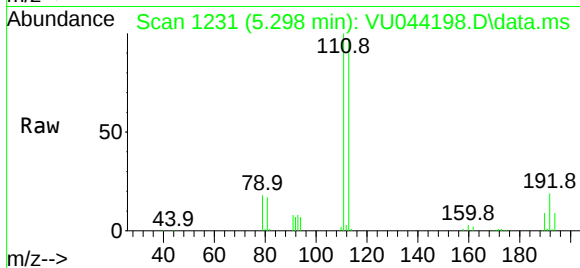
Tgt Ion:113 Resp: 101961

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.4

192 18.8 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.462 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.151 min

Lab File: VU044198.D

Acq: 14 Jun 2021 22:31

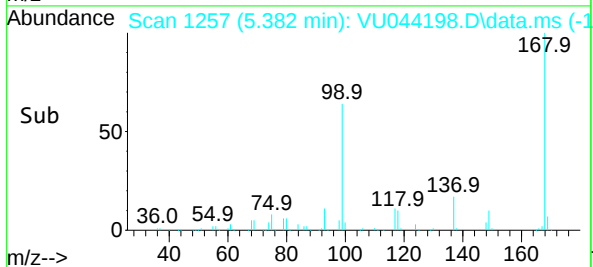
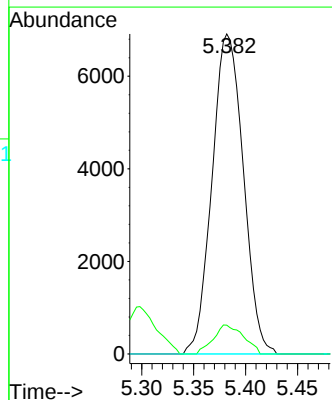
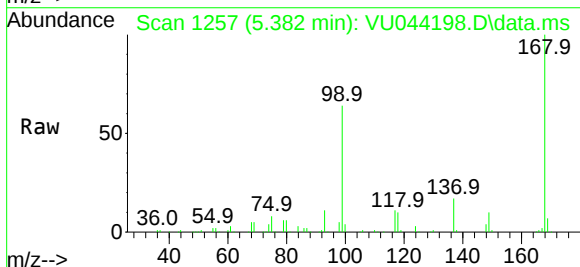
Tgt Ion: 75 Resp: 14464

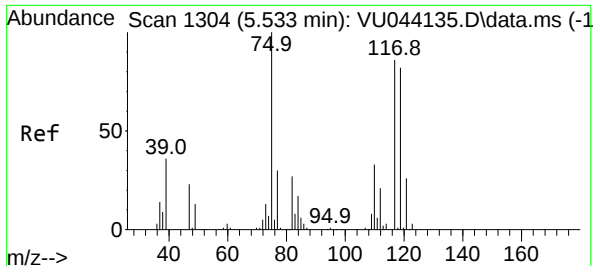
Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.4#

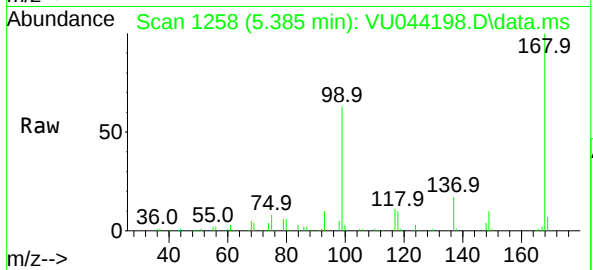
77 0.0 24.7 37.1#



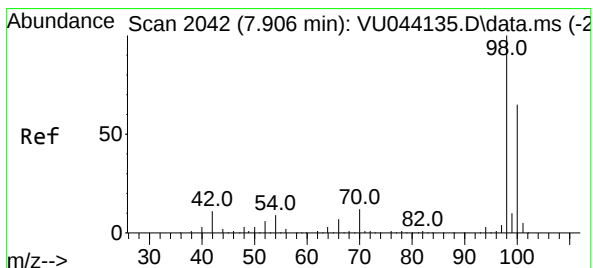
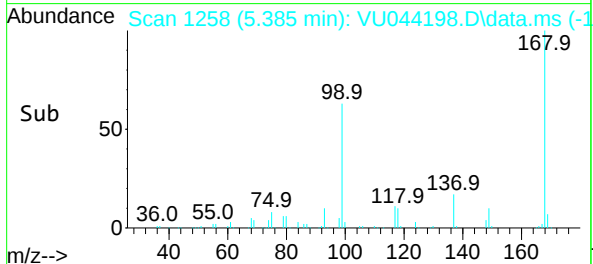
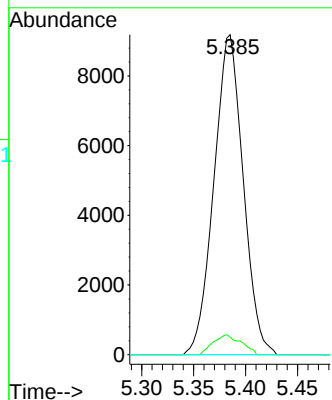


#38
Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.148 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Instrument :
MSVOA_U
ClientSampled :

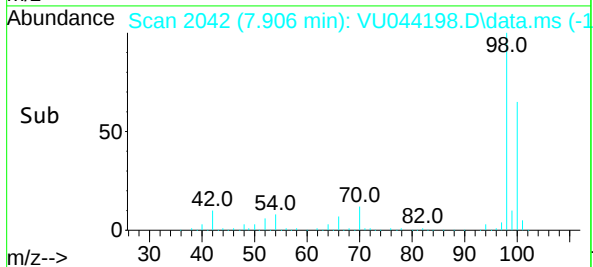
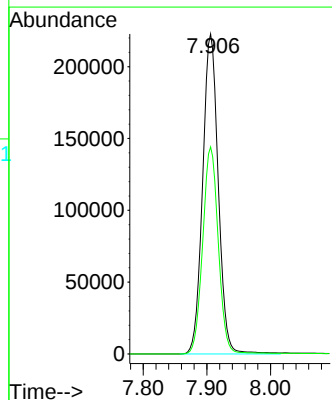
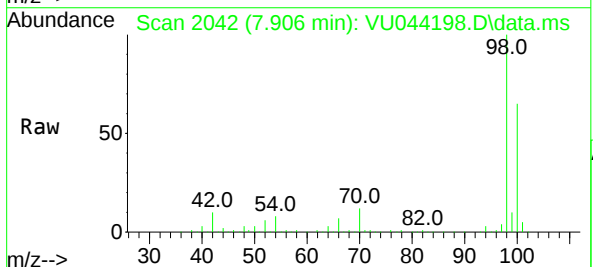


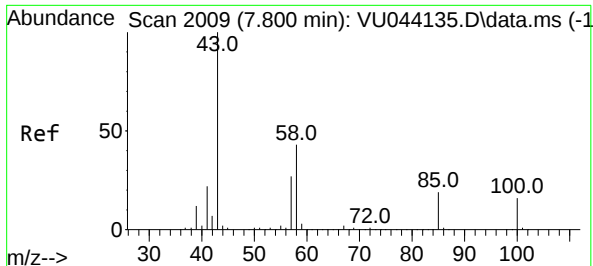
Tgt Ion:117 Resp: 17980
Ion Ratio Lower Upper
117 100
119 5.5 76.6 114.8#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 48.854 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 98 Resp: 380238
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

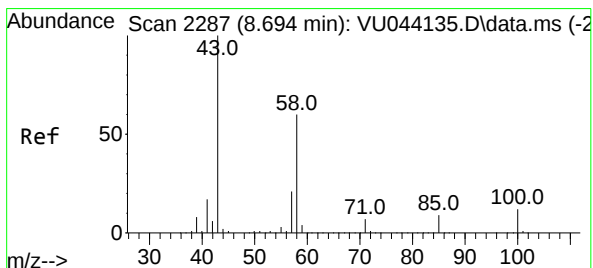
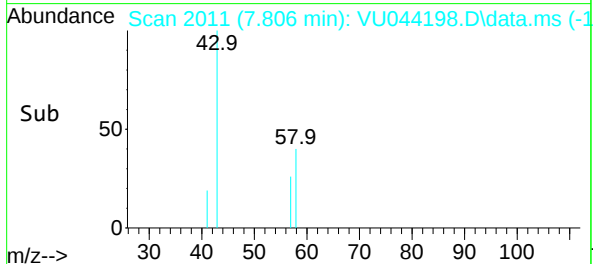
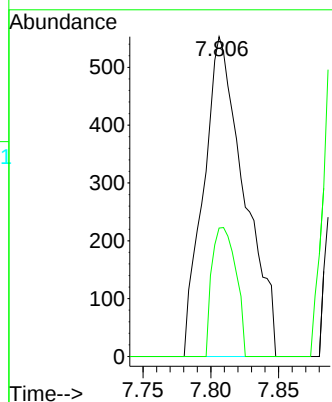
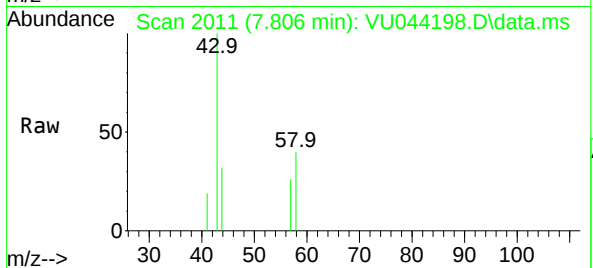




#51
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

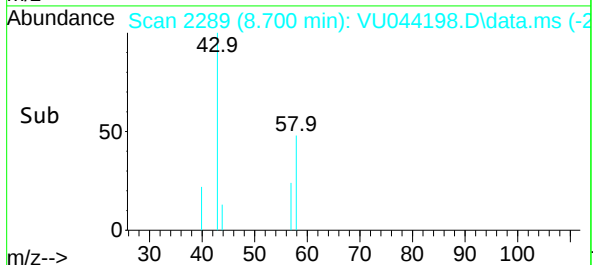
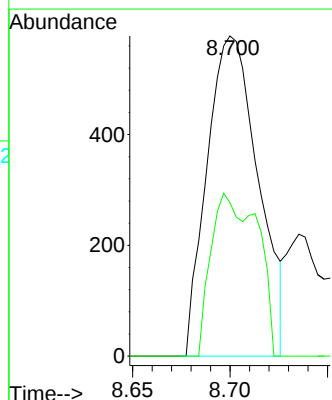
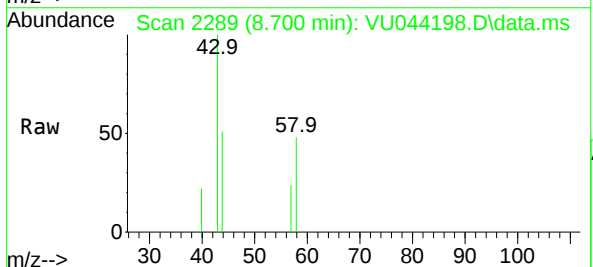
Instrument :
MSVOA_U
ClientSampled :

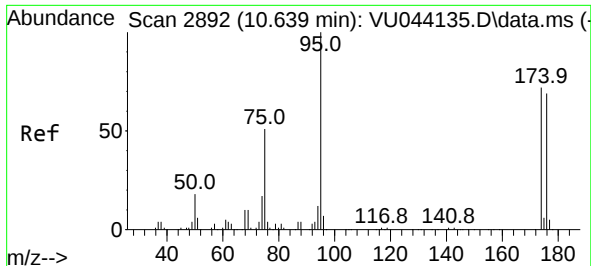
Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 23.7 34.5 51.7#



#59
2-Hexanone
Concen: 0.332 ug/l
RT: 8.700 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 30.0 30.0 90.1#

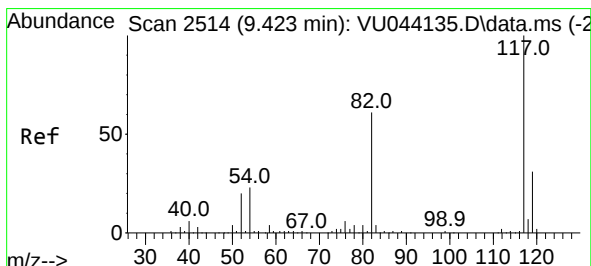
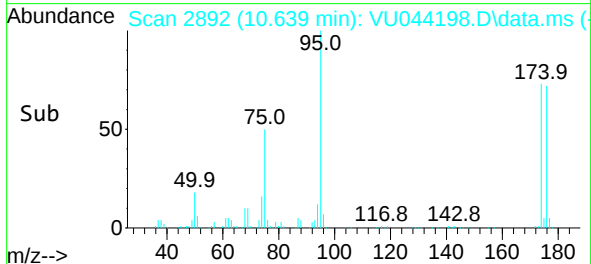
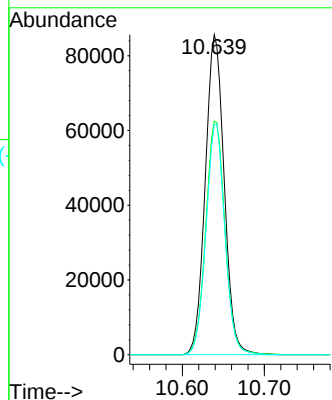
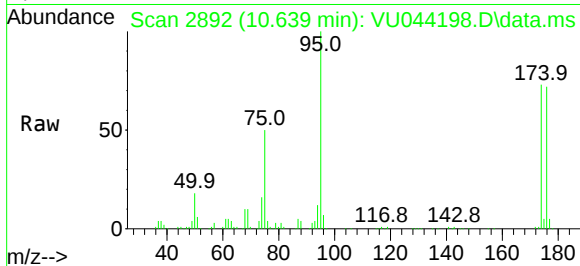




#62
4-Bromofluorobenzene
Concen: 43.967 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.000 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

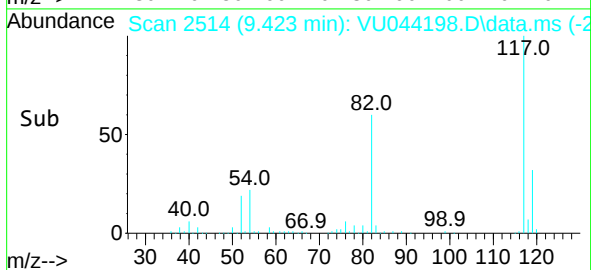
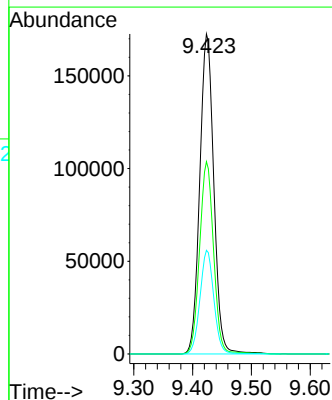
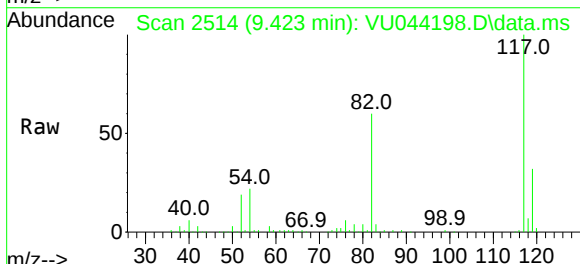
Instrument :
MSVOA_U
ClientSampleId :

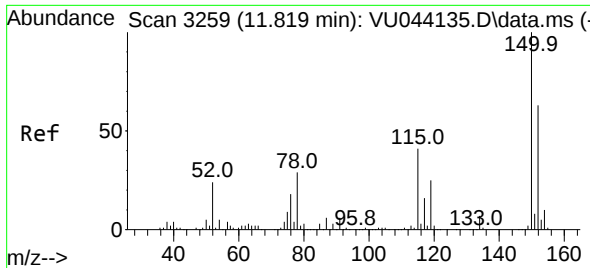
Tgt Ion: 95 Resp: 137139
Ion Ratio Lower Upper
95 100
174 74.4 0.0 144.4
176 71.8 0.0 138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion: 117 Resp: 286582
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.4 25.0 37.6

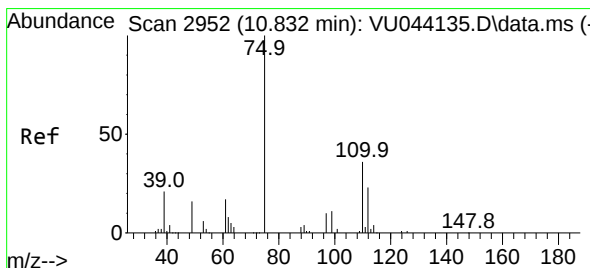
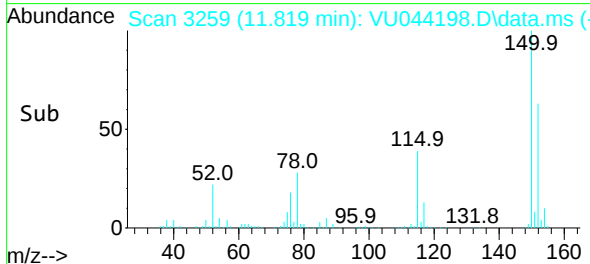
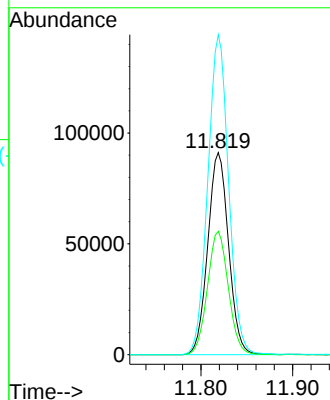
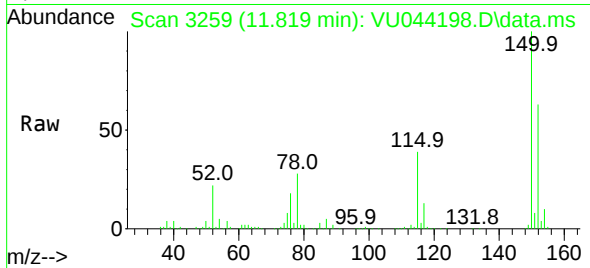




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.000 min
 Lab File: VU044198.D
 Acq: 14 Jun 2021 22:31

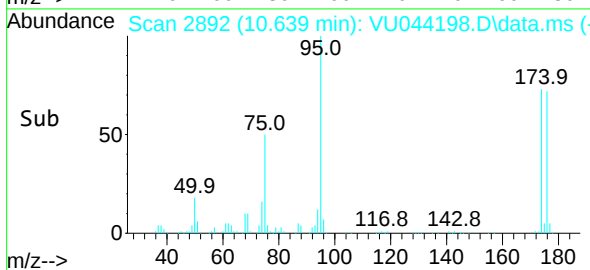
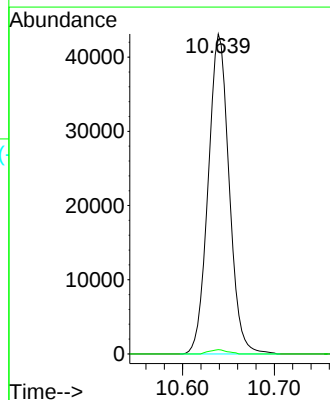
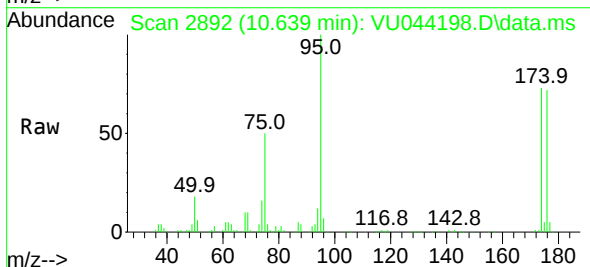
Instrument :
 MSVOA_U
 ClientSampled :

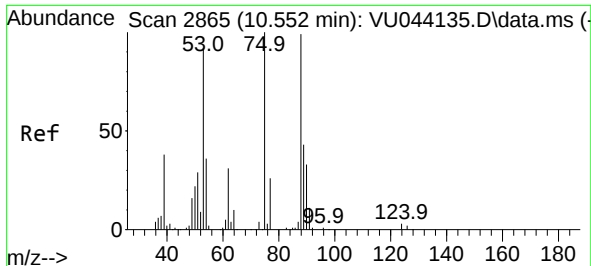
Tgt Ion:152 Resp: 143470
 Ion Ratio Lower Upper
 152 100
 115 61.4 43.8 131.3
 150 158.4 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 14.233 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.193 min
 Lab File: VU044198.D
 Acq: 14 Jun 2021 22:31

Tgt Ion: 75 Resp: 68464
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.9 44.5#

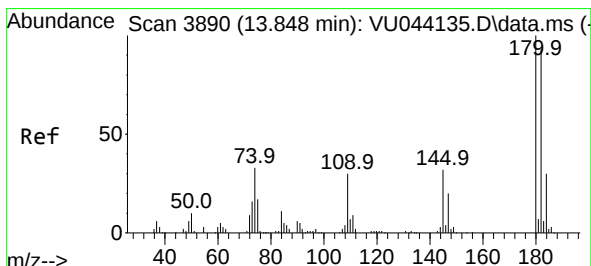
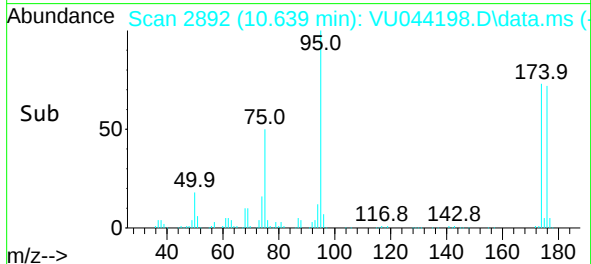
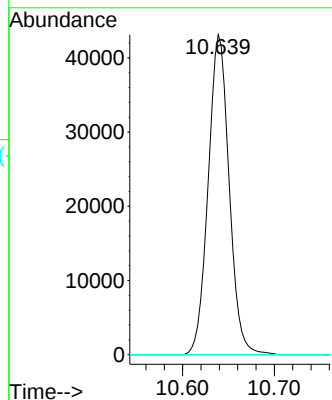
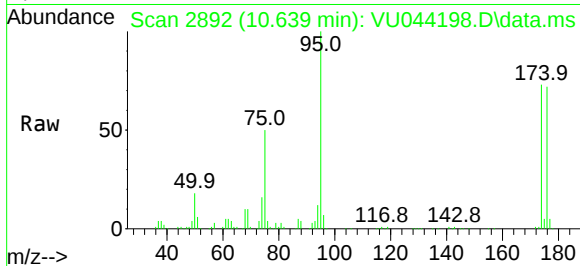




#81
trans-1,4-Dichloro-2-butene
Concen: 51.594 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.087 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

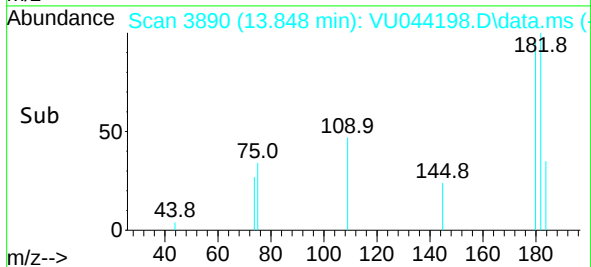
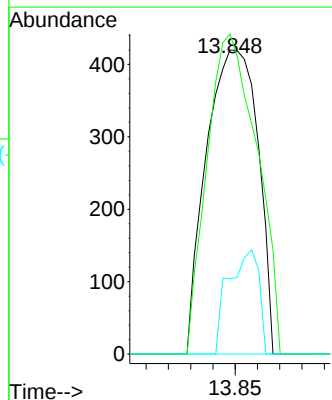
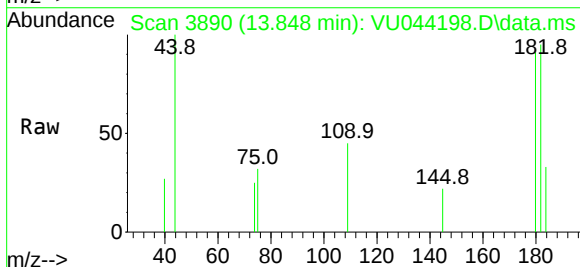
Instrument :
MSVOA_U
ClientSampled :

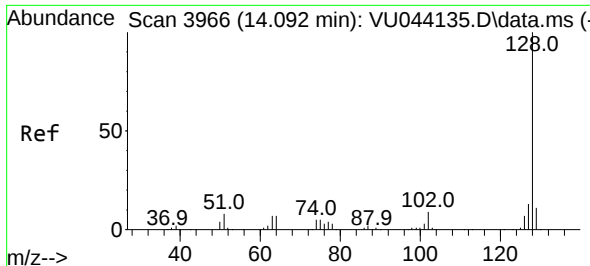
Tgt Ion: 75 Resp: 68464
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.2#
89 0.0 35.0 52.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.225 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. -0.000 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

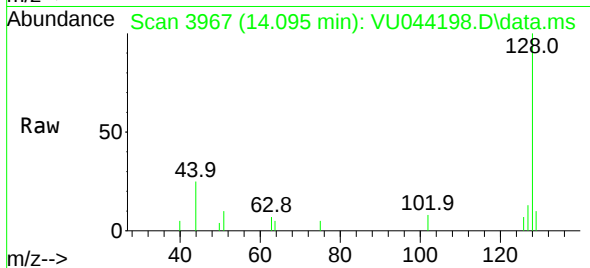
Tgt Ion:180 Resp: 674
Ion Ratio Lower Upper
180 100
182 101.9 47.3 141.8
145 20.3 16.1 48.2



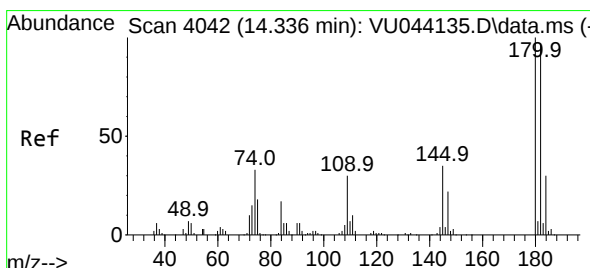
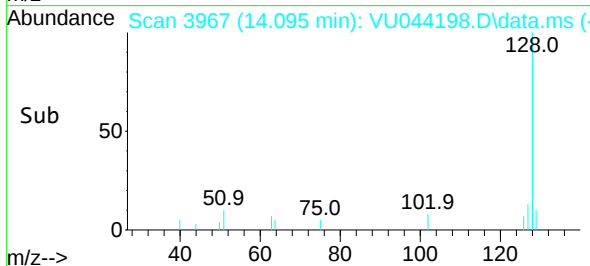
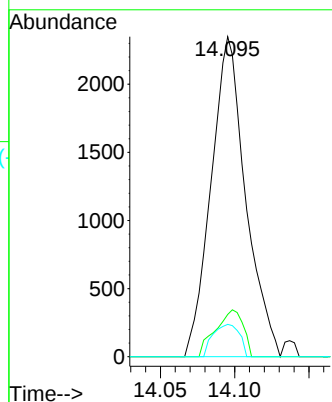


#95
Naphthalene
Concen: 3.191 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Instrument :
MSVOA_U
ClientSampled :



Tgt Ion:128 Resp: 3799
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 7.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.283 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU044198.D
Acq: 14 Jun 2021 22:31

Tgt Ion:180 Resp: 822
Ion Ratio Lower Upper
180 100
182 93.7 47.9 143.7
145 22.9 17.2 51.6

