

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040221\
 Data File : VU042907.D
 Acq On : 02 Apr 2021 19:49
 Operator : SY/MD
 Sample : M1903-08 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 31030

Quant Time: Apr 03 00:16:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 05:42:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

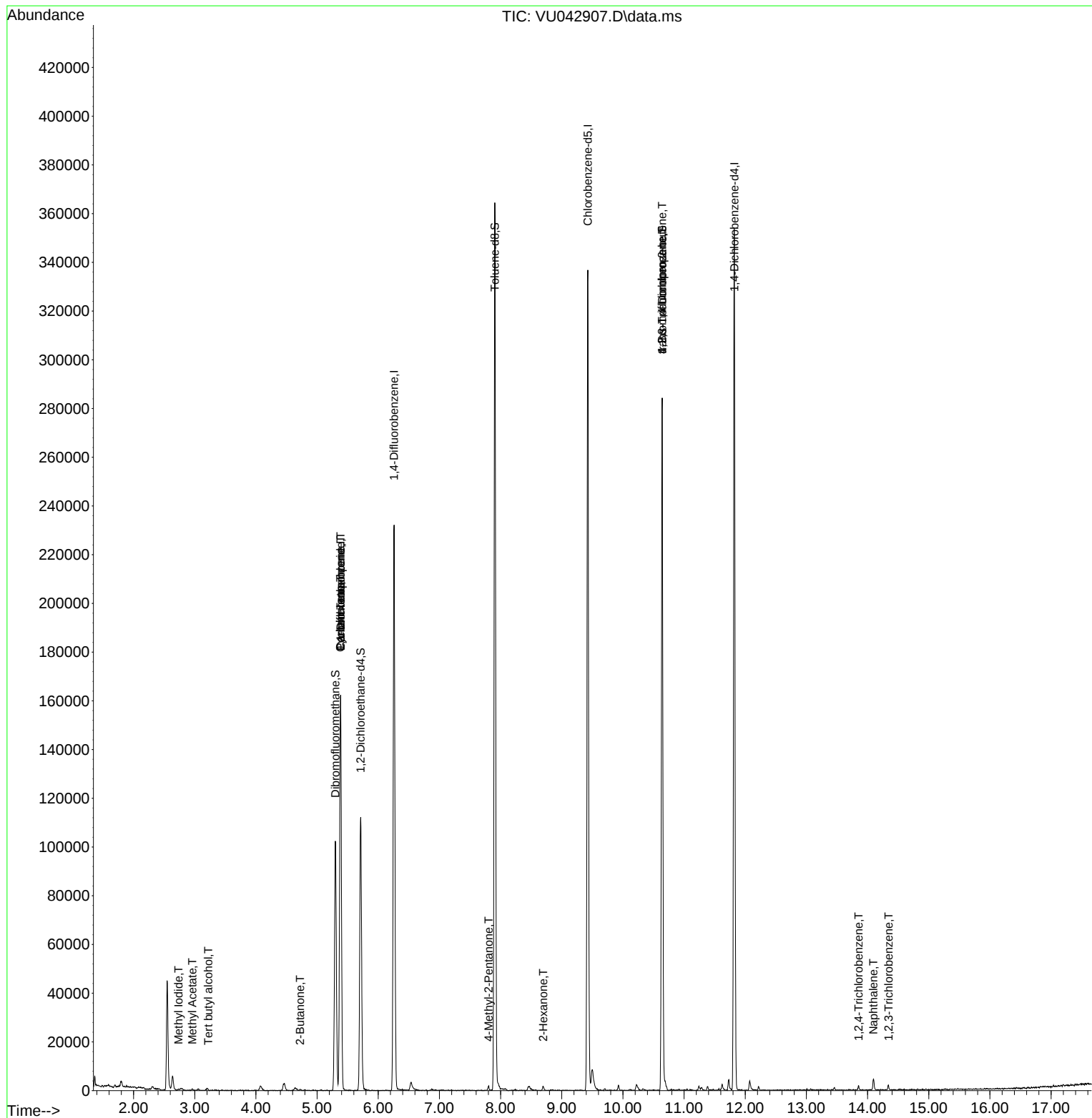
Internal Standards						
1) Pentafluorobenzene	5.385	168	110880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	174315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	171240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	87094	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	88223	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
35) Dibromofluoromethane	5.301	113	62166	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
50) Toluene-d8	7.906	98	222516	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	10.642	95	82896	46.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.22%	
Target Compounds					Qvalue	
6) Chloroethane	1.916	64	98	Below Cal	#	43
10) Methyl Iodide	2.735	142	298	0.21 ug/l	#	37
11) Tert butyl alcohol	3.221	59	121	0.32 ug/l	#	74
13) Acrolein	2.504	56	87	Below Cal	#	15
16) Acetone	2.636	43	7218	Below Cal		95
18) Methyl Acetate	2.960	43	708	0.35 ug/l	#	62
25) 2-Butanone	4.722	43	701	0.49 ug/l	#	54
31) Cyclohexane	5.382	56	2807	1.28 ug/l	#	18
36) 1,1-Dichloropropene	5.385	75	9198	5.33 ug/l	#	51
38) Carbon Tetrachloride	5.385	117	10993	5.59 ug/l	#	17
51) 4-Methyl-2-Pentanone	7.806	43	1246	0.44 ug/l		91
59) 2-Hexanone	8.697	43	1530	0.68 ug/l		82
76) 1,2,3-Trichloropropane	10.642	75	48116	21.72 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	10.642	75	48116	64.36 ug/l	#	6
93) 1,2,4-Trichlorobenzene	13.851	180	759	0.43 ug/l		95
95) Naphthalene	14.095	128	4314	3.27 ug/l		95
96) 1,2,3-Trichlorobenzene	14.343	180	872	0.49 ug/l		83

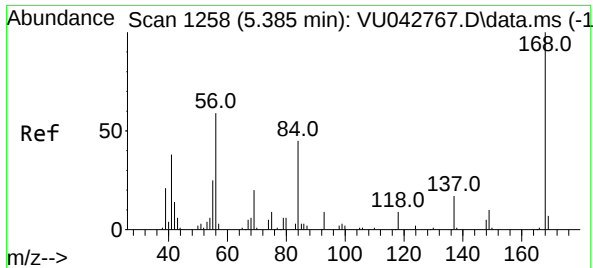
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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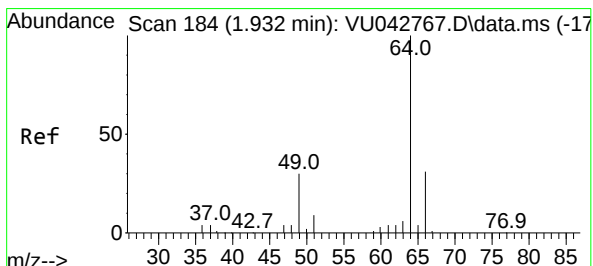
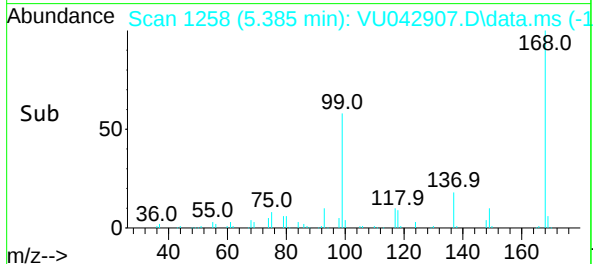
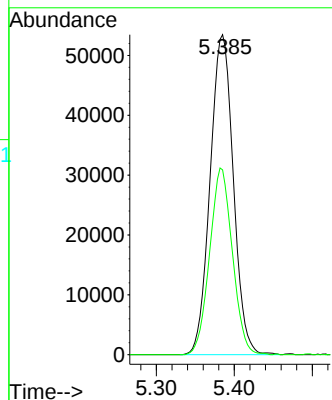
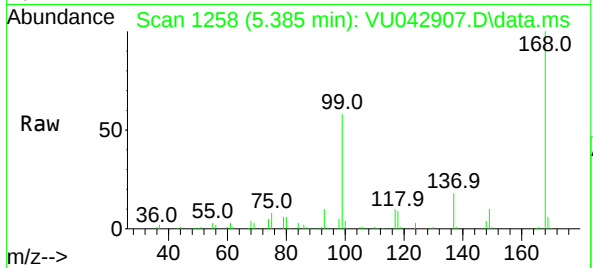




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

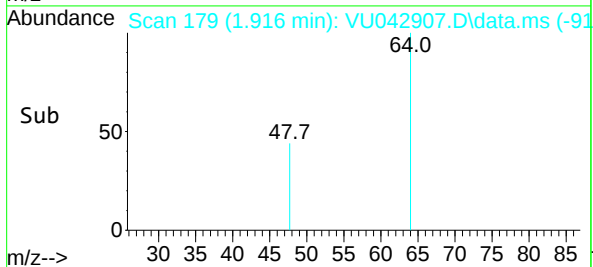
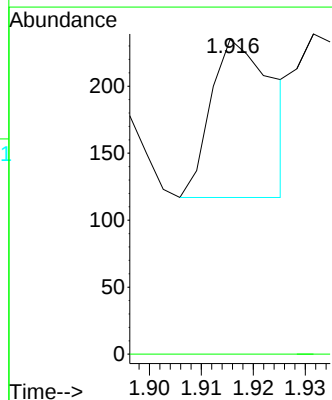
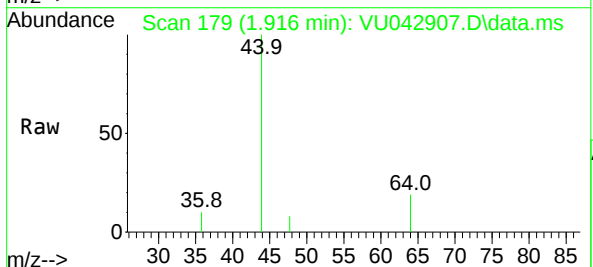
Instrument :
MSVOA_U
ClientSampleId :
31030

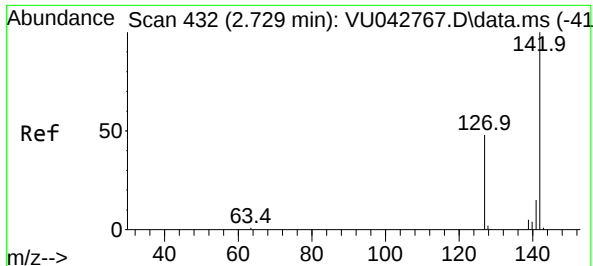
Tgt Ion:168 Resp: 110880
Ion Ratio Lower Upper
168 100
99 57.8 46.4 69.6



#6
Chloroethane
Concen: Below Cal
RT: 1.916 min Scan# 179
Delta R.T. -0.016 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

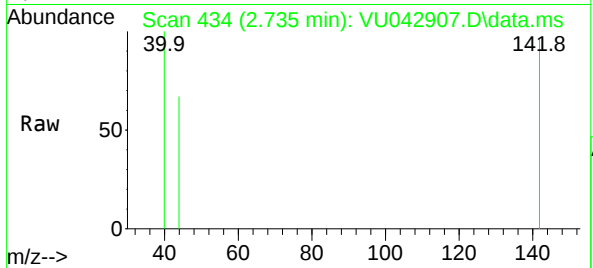
Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#



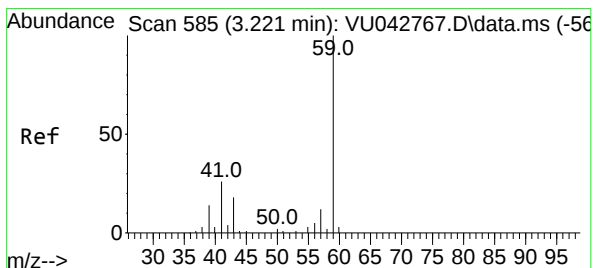
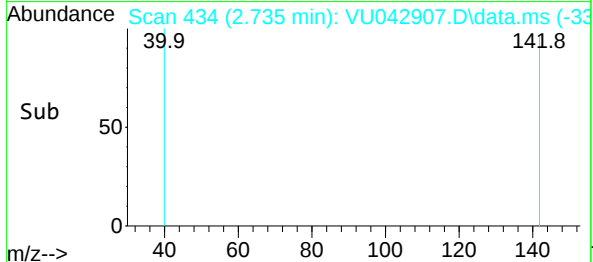
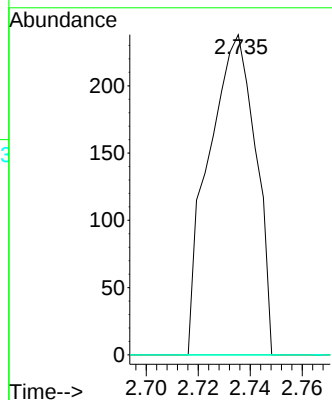


#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.735 min Scan# 434
Delta R.T. 0.006 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Instrument :
MSVOA_U
ClientSampled :
31030

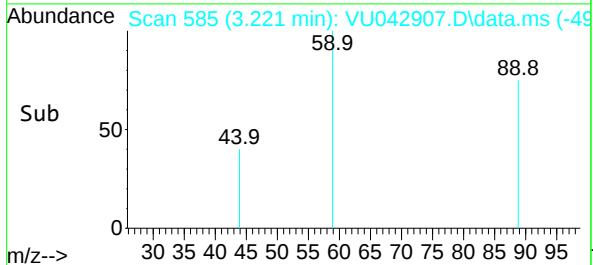
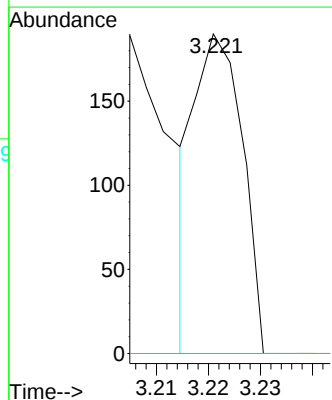
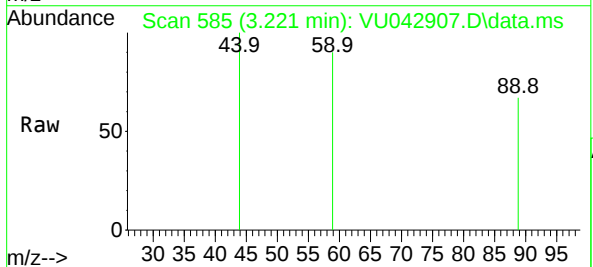


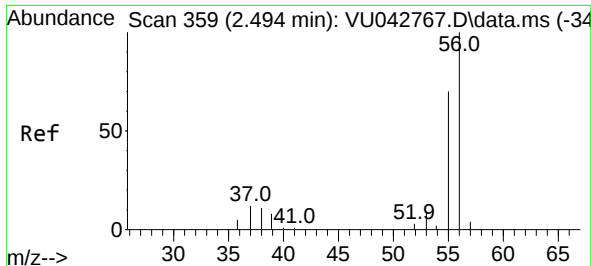
Tgt Ion:142 Resp: 298
Ion Ratio Lower Upper
142 100
127 0.0 38.7 58.1#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.221 min Scan# 585
Delta R.T. -0.000 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

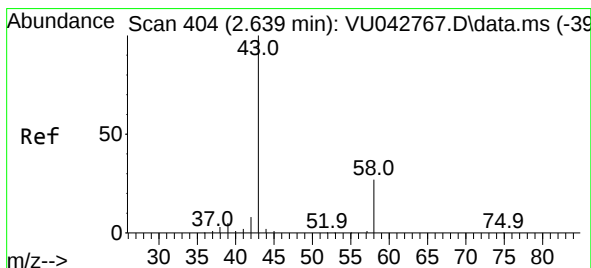
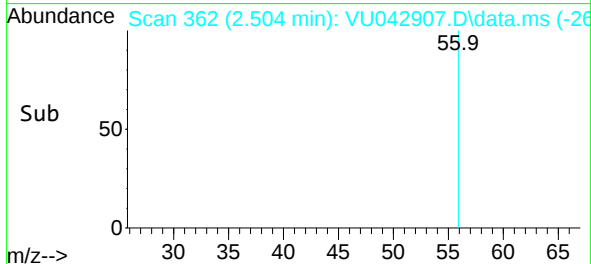
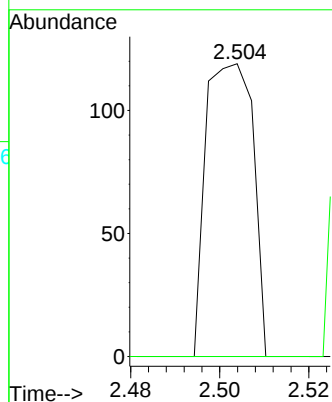
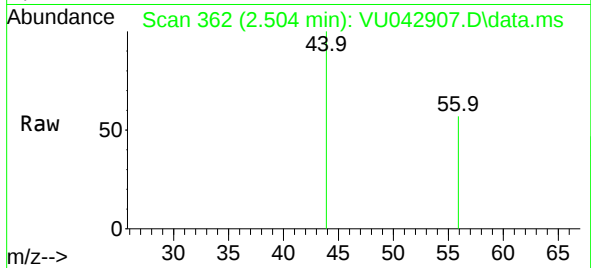




#13
Acrolein
Concen: Below Cal
RT: 2.504 min Scan# 362
Delta R.T. 0.010 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

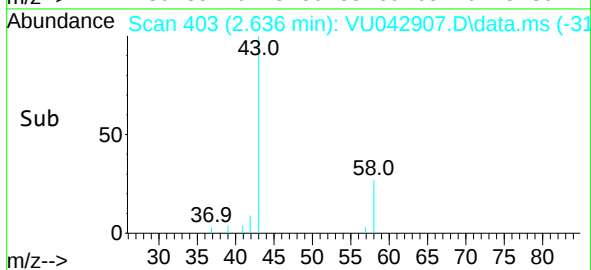
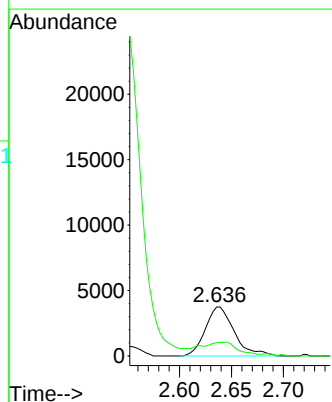
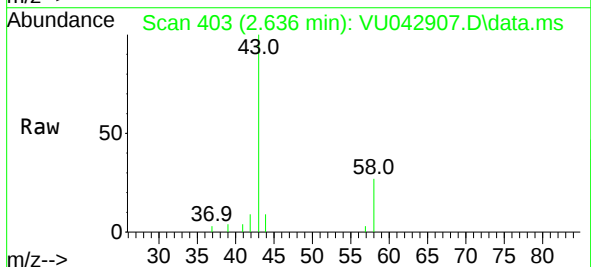
Instrument :
MSVOA_U
ClientSampled :
31030

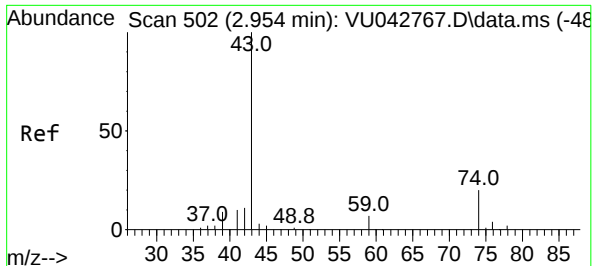
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: Below Cal
RT: 2.636 min Scan# 403
Delta R.T. -0.003 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 43 Resp: 7218
Ion Ratio Lower Upper
43 100
58 24.2 21.6 32.4

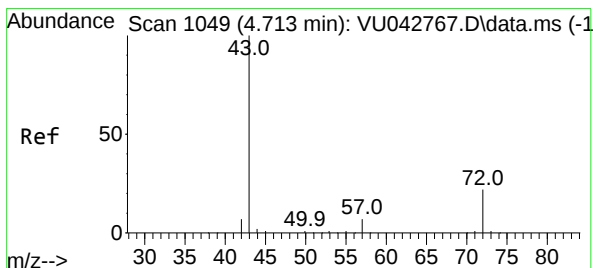
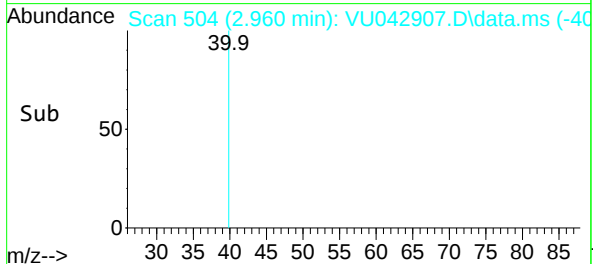
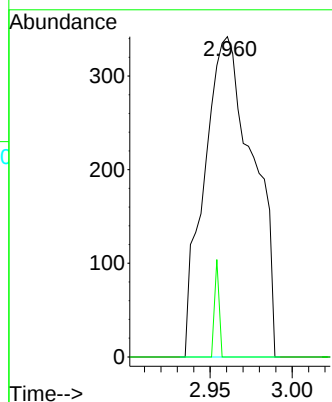
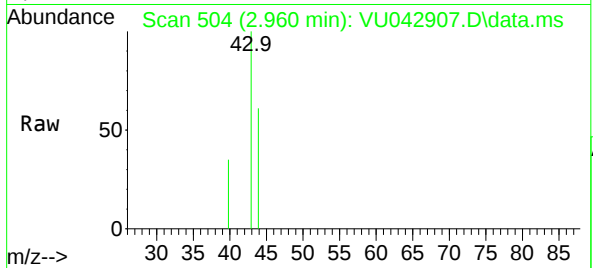




#18
Methyl Acetate
Concen: 0.35 ug/l
RT: 2.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

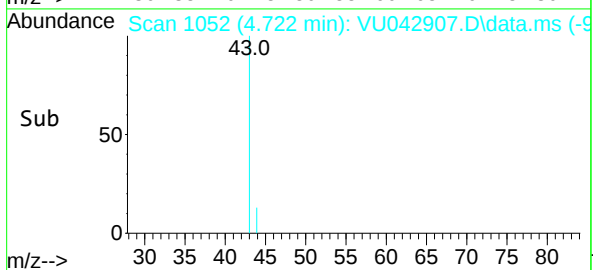
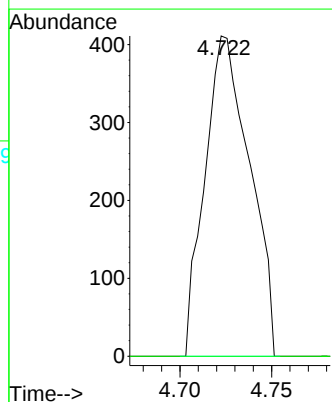
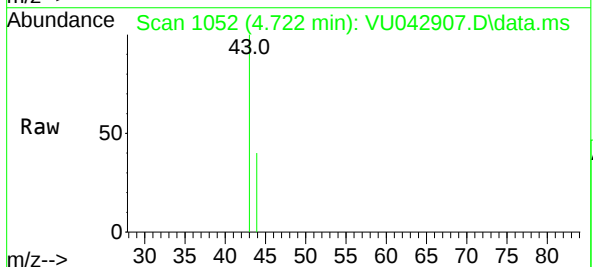
Instrument :
MSVOA_U
ClientSampleId :
31030

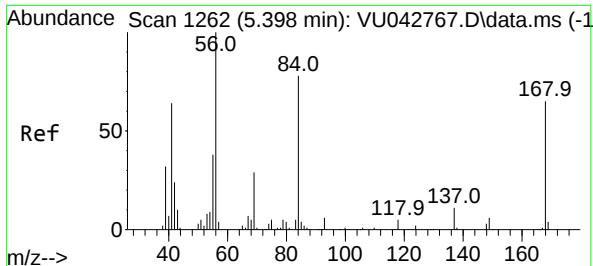
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
74 2.8 16.2 24.4#



#25
2-Butanone
Concen: 0.49 ug/l
RT: 4.722 min Scan# 1052
Delta R.T. 0.009 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

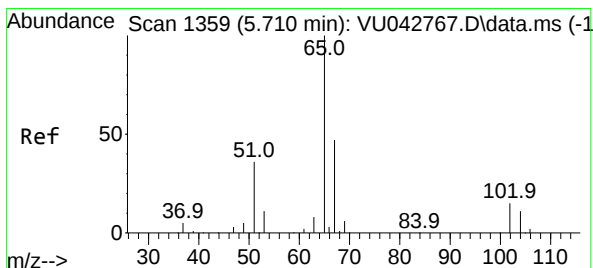
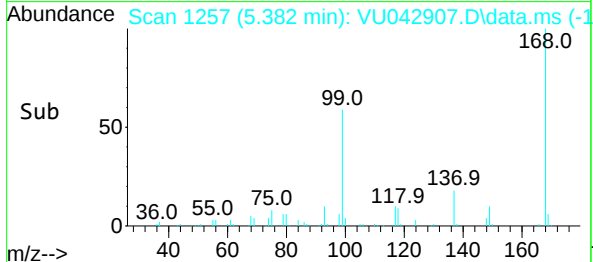
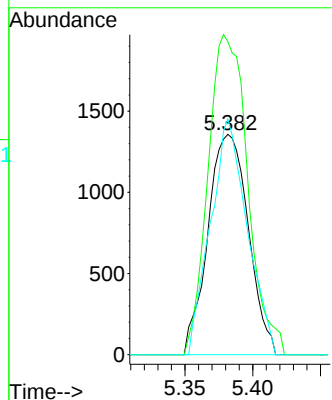
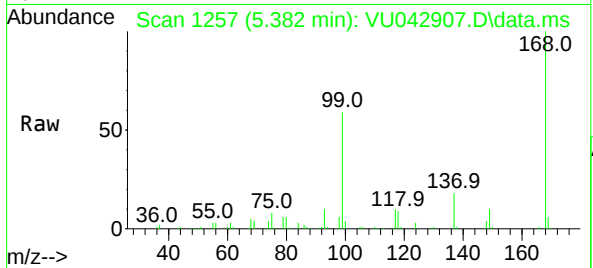




#31
Cyclohexane
Concen: 1.28 ug/l
RT: 5.382 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

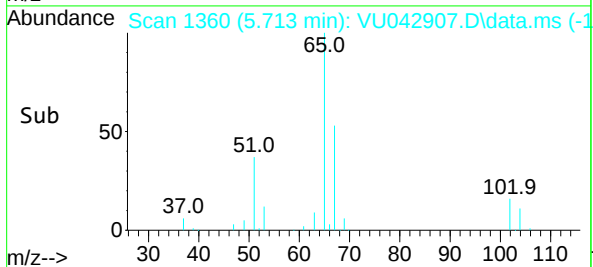
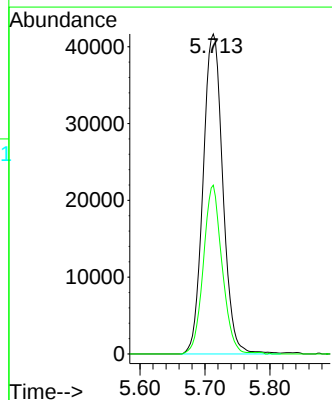
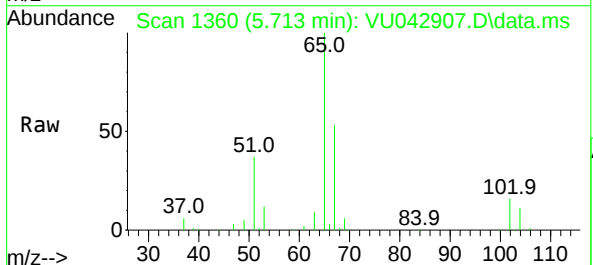
Instrument :
MSVOA_U
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31030

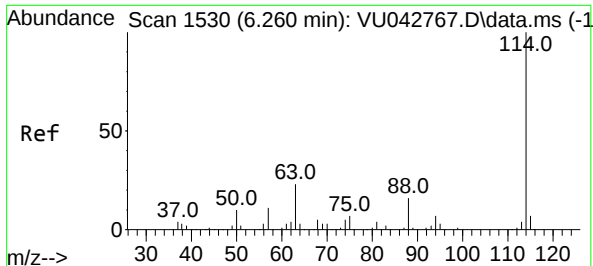
Tgt Ion: 56 Resp: 2807
Ion Ratio Lower Upper
56 100
69 142.2 23.3 34.9#
84 106.9 62.2 93.4#



#33
1,2-Dichloroethane-d4
Concen: 49.91 ug/l
RT: 5.713 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 65 Resp: 88223
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.259 min Scan# 1530

Delta R.T. -0.001 min

Lab File: VU042907.D

Acq: 02 Apr 2021 19:49

Tgt Ion:114 Resp: 174315

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.8

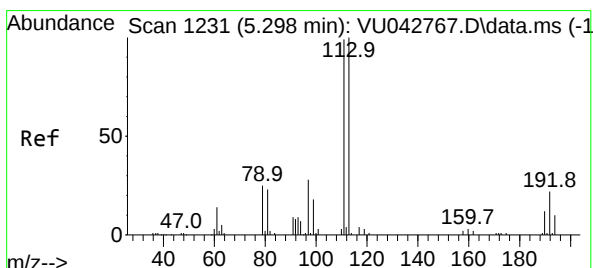
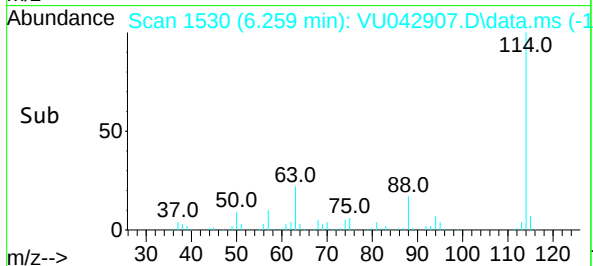
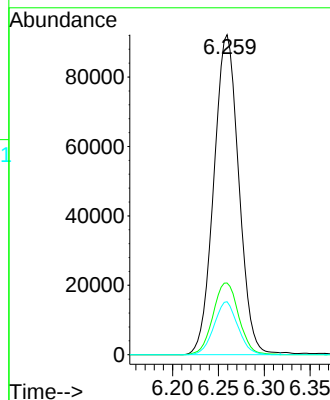
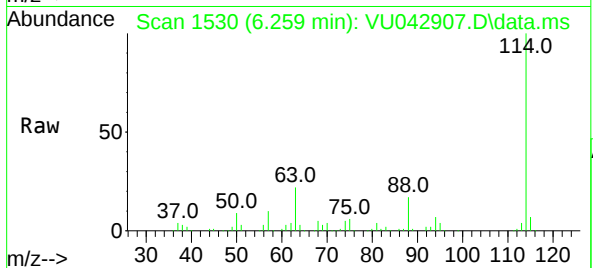
88 16.6 0.0 32.2

Instrument :

MSVOA_U

ClientSampleId :

31030



#35

Dibromofluoromethane

Concen: 47.79 ug/l

RT: 5.301 min Scan# 1232

Delta R.T. 0.003 min

Lab File: VU042907.D

Acq: 02 Apr 2021 19:49

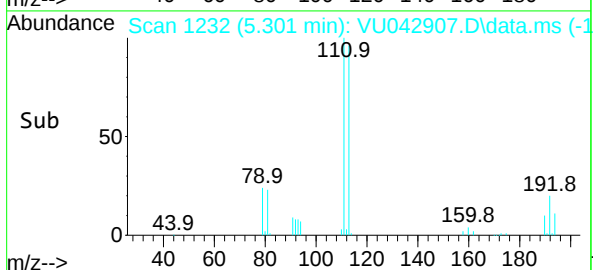
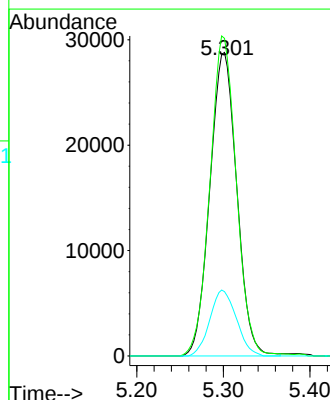
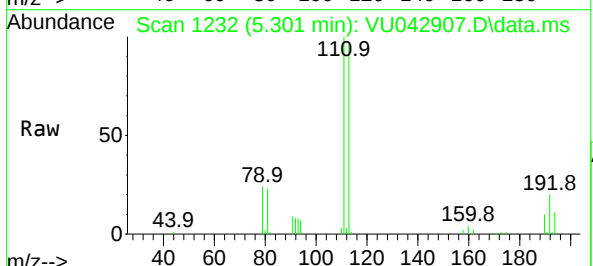
Tgt Ion:113 Resp: 62166

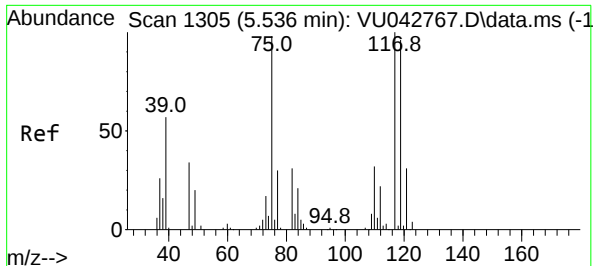
Ion Ratio Lower Upper

113 100

111 103.4 82.1 123.1

192 21.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.33 ug/l

RT: 5.385 min Scan# 1258

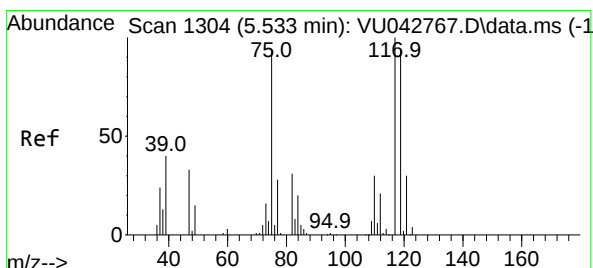
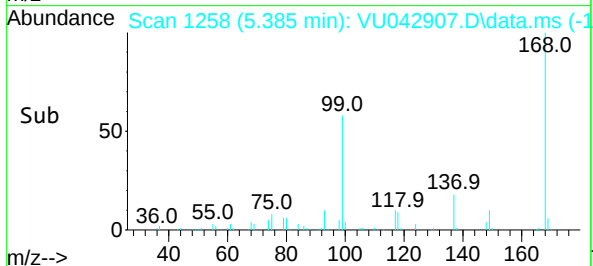
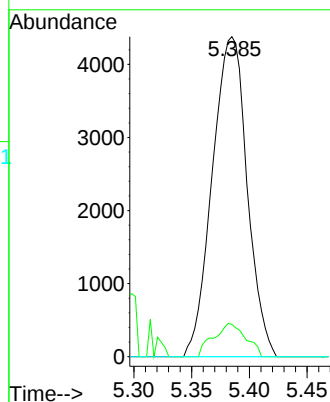
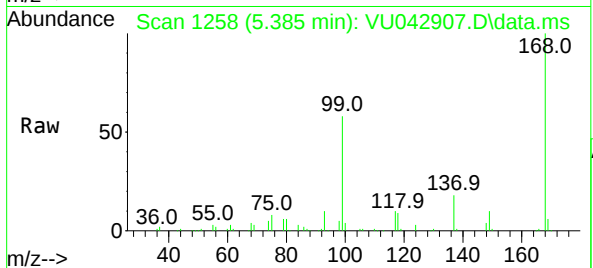
Delta R.T. -0.151 min

Lab File: VU042907.D

Acq: 02 Apr 2021 19:49

Tgt Ion:	75	Resp:	9198
Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.6	49.7#
77	0.0	24.7	37.1#

Instrument :
MSVOA_U
ClientSampled :
31030



#38

Carbon Tetrachloride

Concen: 5.59 ug/l

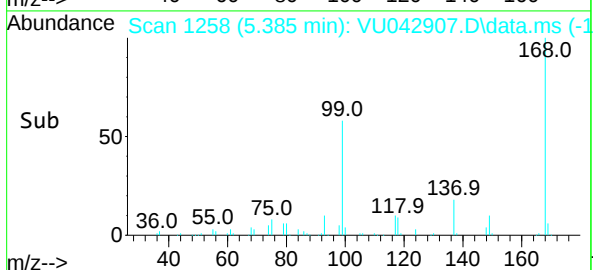
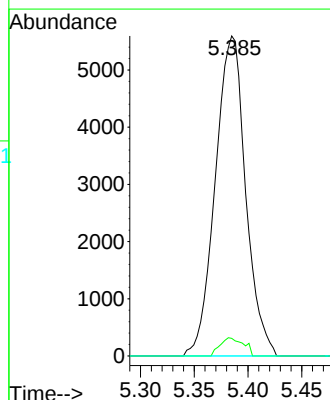
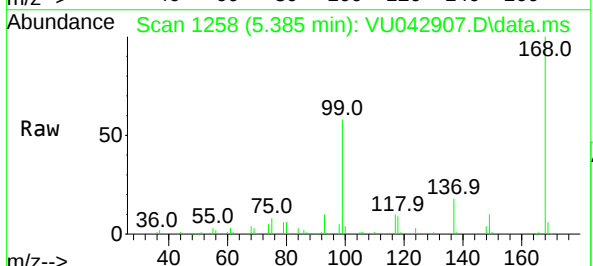
RT: 5.385 min Scan# 1258

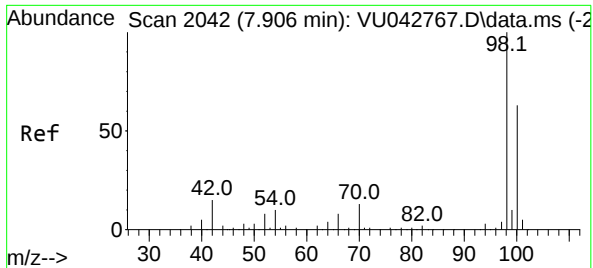
Delta R.T. -0.148 min

Lab File: VU042907.D

Acq: 02 Apr 2021 19:49

Tgt Ion:	117	Resp:	10993
Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.2	112.8#
121	0.0	24.2	36.4#

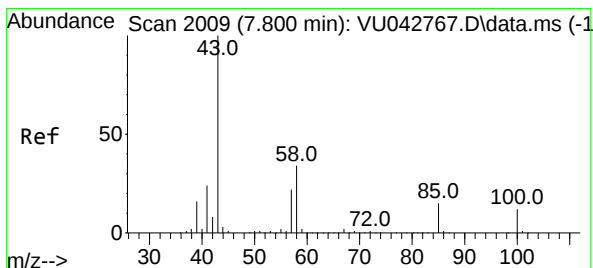
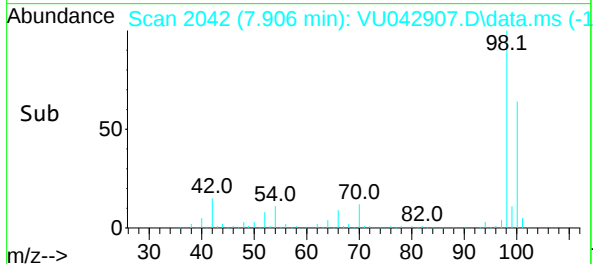
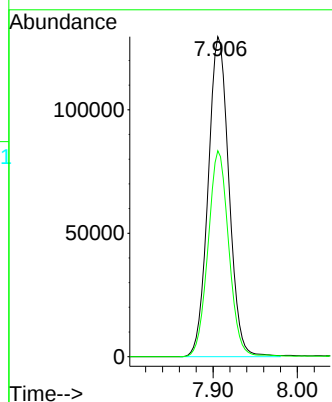
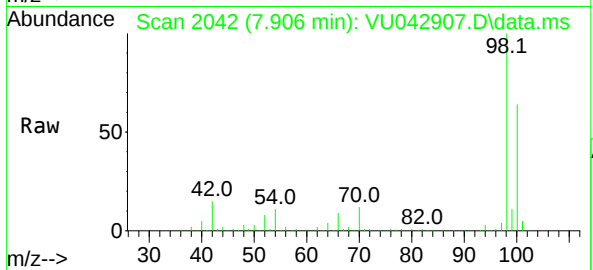




#50
Toluene-d8
Concen: 48.62 ug/l
RT: 7.906 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

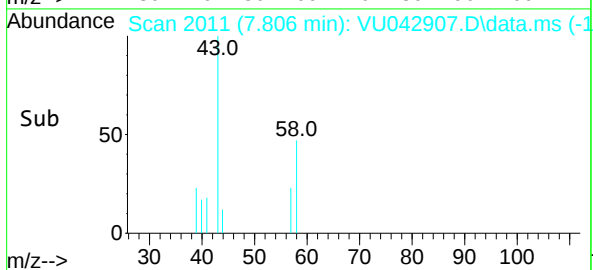
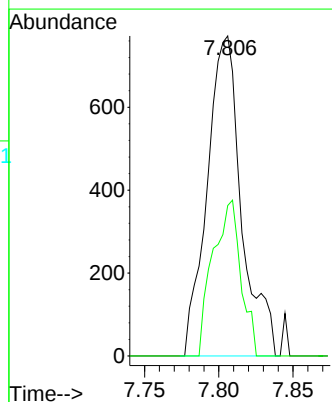
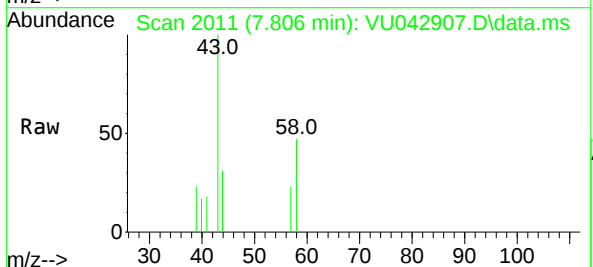
Instrument :
MSVOA_U
ClientSampled :
31030

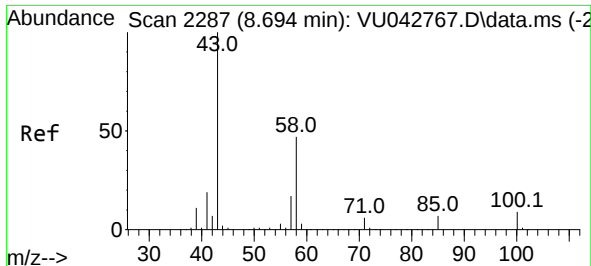
Tgt Ion: 98 Resp: 222516
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.44 ug/l
RT: 7.806 min Scan# 2011
Delta R.T. 0.006 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
58 39.6 27.4 41.2

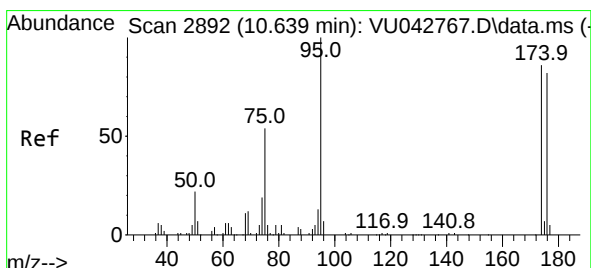
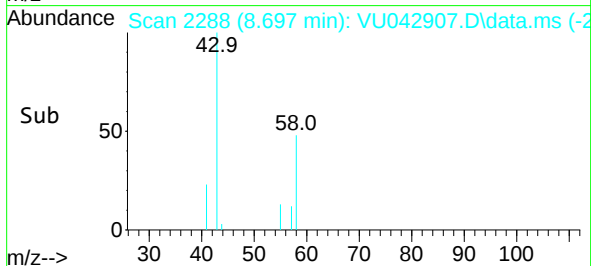
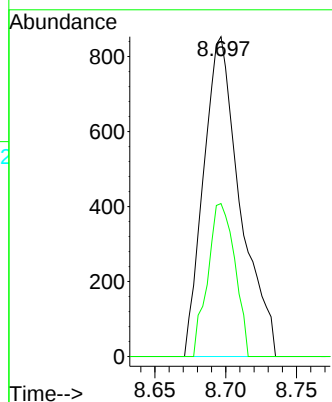
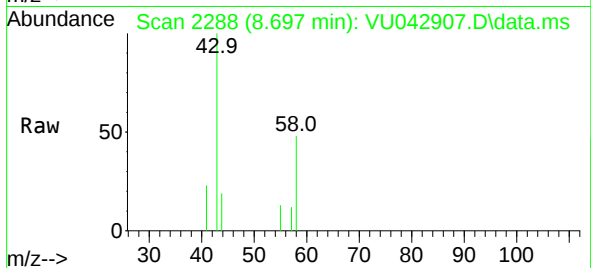




#59
2-Hexanone
Concen: 0.68 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.003 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

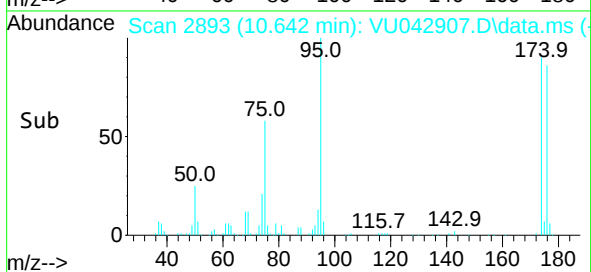
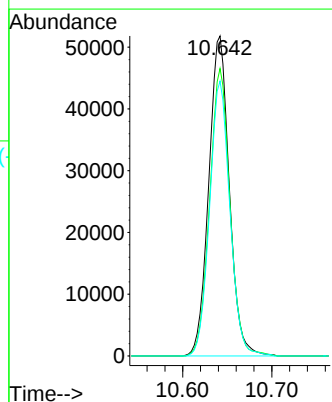
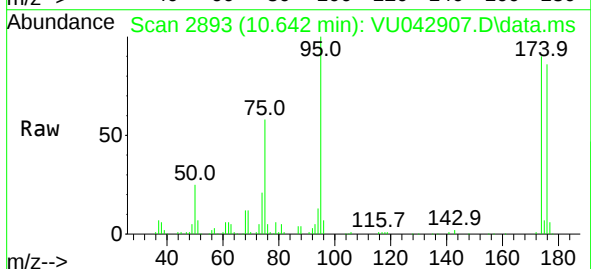
Instrument :
MSVOA_U
ClientSampled :
31030

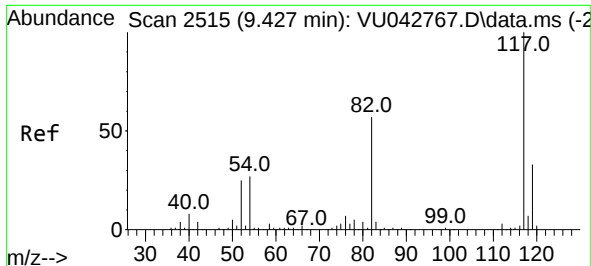
Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
58 35.4 23.8 71.2



#62
4-Bromofluorobenzene
Concen: 46.61 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.003 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 95 Resp: 82896
Ion Ratio Lower Upper
95 100
174 89.0 0.0 175.2
176 84.8 0.0 167.4

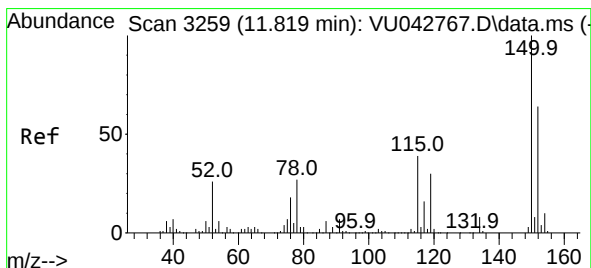
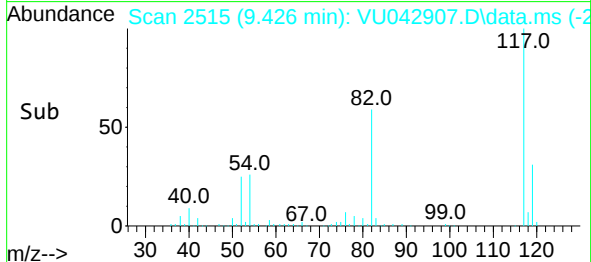
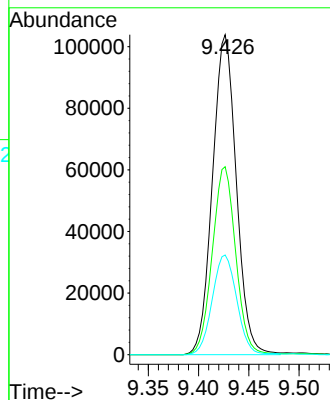
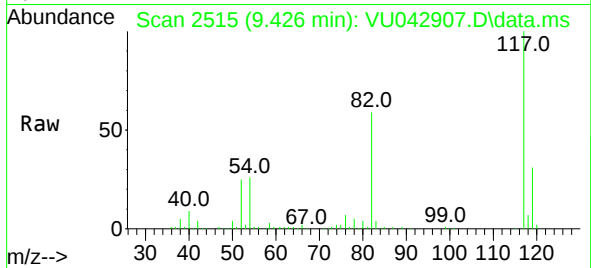




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

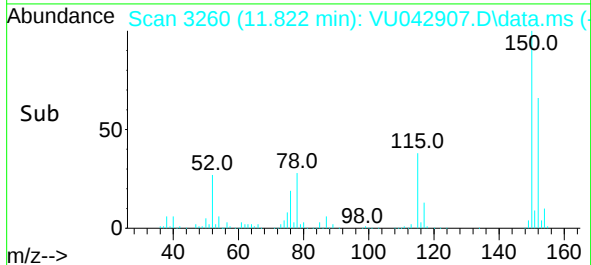
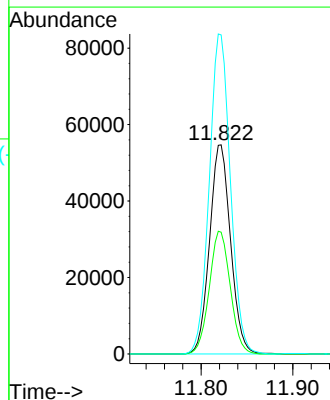
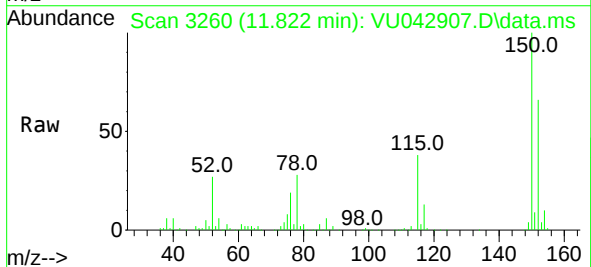
Instrument :
MSVOA_U
ClientSampled :
31030

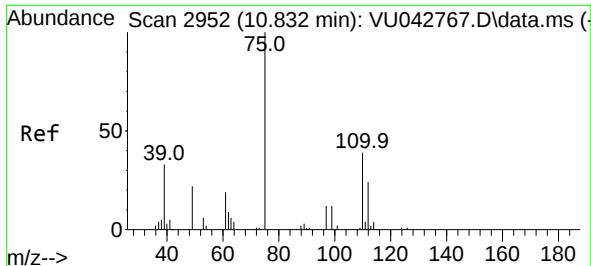
Tgt Ion:117 Resp: 171240
Ion Ratio Lower Upper
117 100
82 58.8 45.5 68.3
119 31.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.822 min Scan# 3260
Delta R.T. 0.003 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion:152 Resp: 87094
Ion Ratio Lower Upper
152 100
115 58.4 41.0 123.0
150 153.4 0.0 341.0

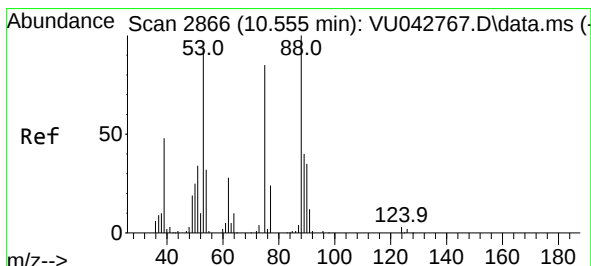
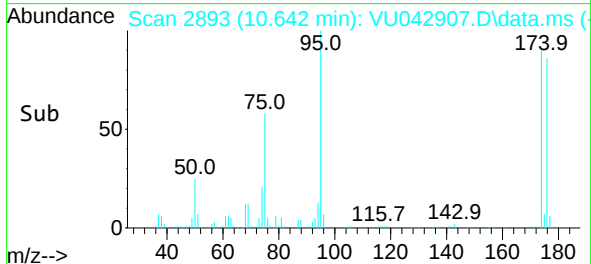
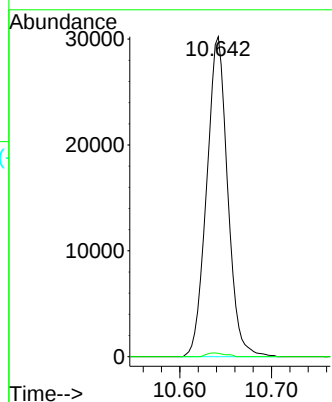
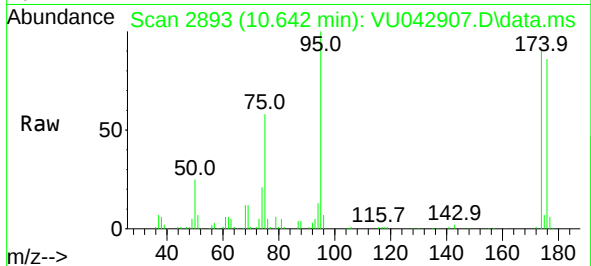




#76
1,2,3-Trichloropropane
Concen: 21.72 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.190 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

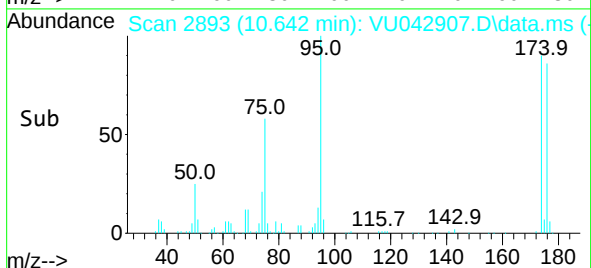
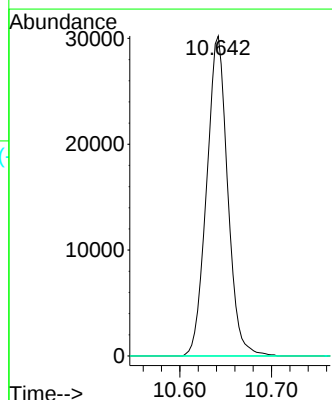
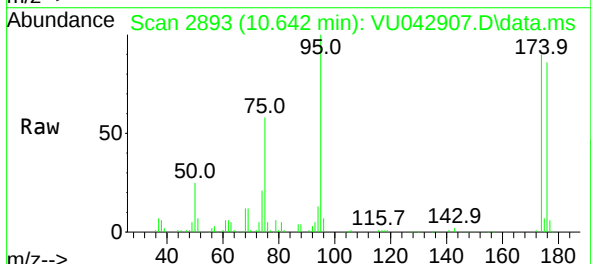
Instrument :
MSVOA_U
ClientSampled :
31030

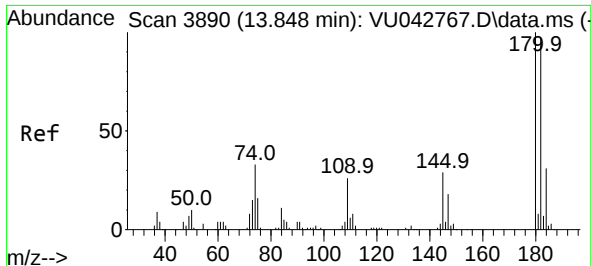
Tgt Ion: 75 Resp: 48116
Ion Ratio Lower Upper
75 100
77 1.0 19.6 58.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.36 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.087 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion: 75 Resp: 48116
Ion Ratio Lower Upper
75 100
53 0.0 88.3 132.5#
89 0.0 35.7 53.5#

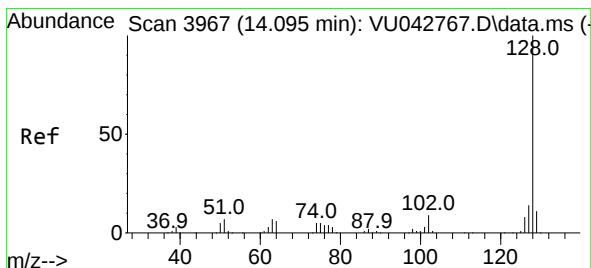
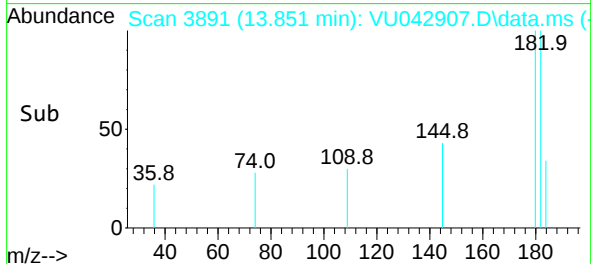
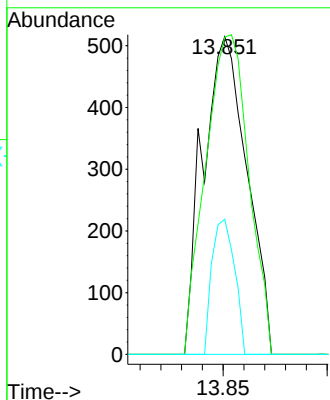
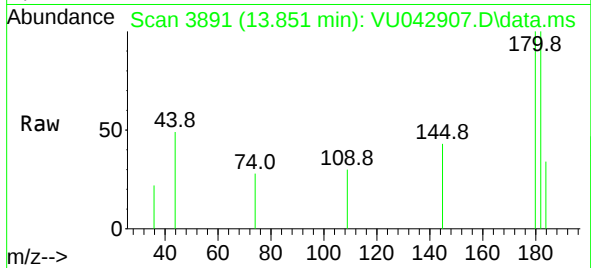




#93
1,2,4-Trichlorobenzene
Concen: 0.43 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

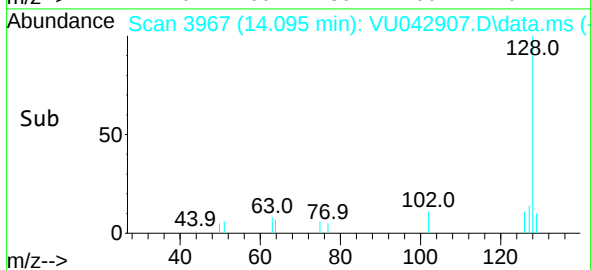
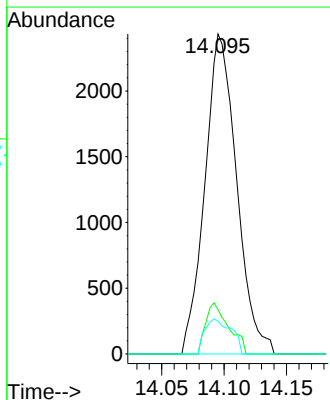
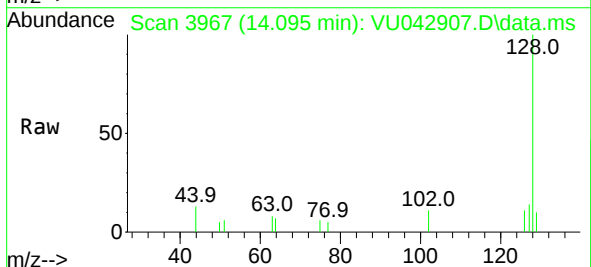
Instrument :
MSVOA_U
ClientSampleId :
31030

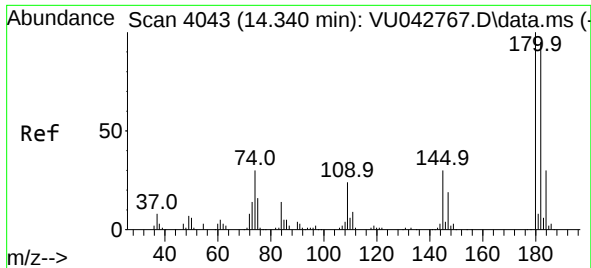
Tgt Ion:180 Resp: 759
Ion Ratio Lower Upper
180 100
182 98.8 48.0 144.0
145 21.7 14.5 43.5



#95
Naphthalene
Concen: 3.27 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VU042907.D
Acq: 02 Apr 2021 19:49

Tgt Ion:128 Resp: 4314
Ion Ratio Lower Upper
128 100
127 11.5 10.9 16.3
129 9.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.49 ug/l
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.003 min
 Lab File: VU042907.D
 Acq: 02 Apr 2021 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 31030

Tgt Ion:180 Resp: 872
 Ion Ratio Lower Upper
 180 100
 182 78.6 47.5 142.6
 145 19.7 15.0 45.0

