

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112918\
 Data File : VU028404.D
 Acq On : 29 Nov 2018 19:16
 Operator : MD/SY
 Sample : J6134-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-11

Quant Time: Nov 30 12:14:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	255683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	488059	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	466089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	225805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	226018	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	163189	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	7.57	98	649874	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	10.31	95	248121	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

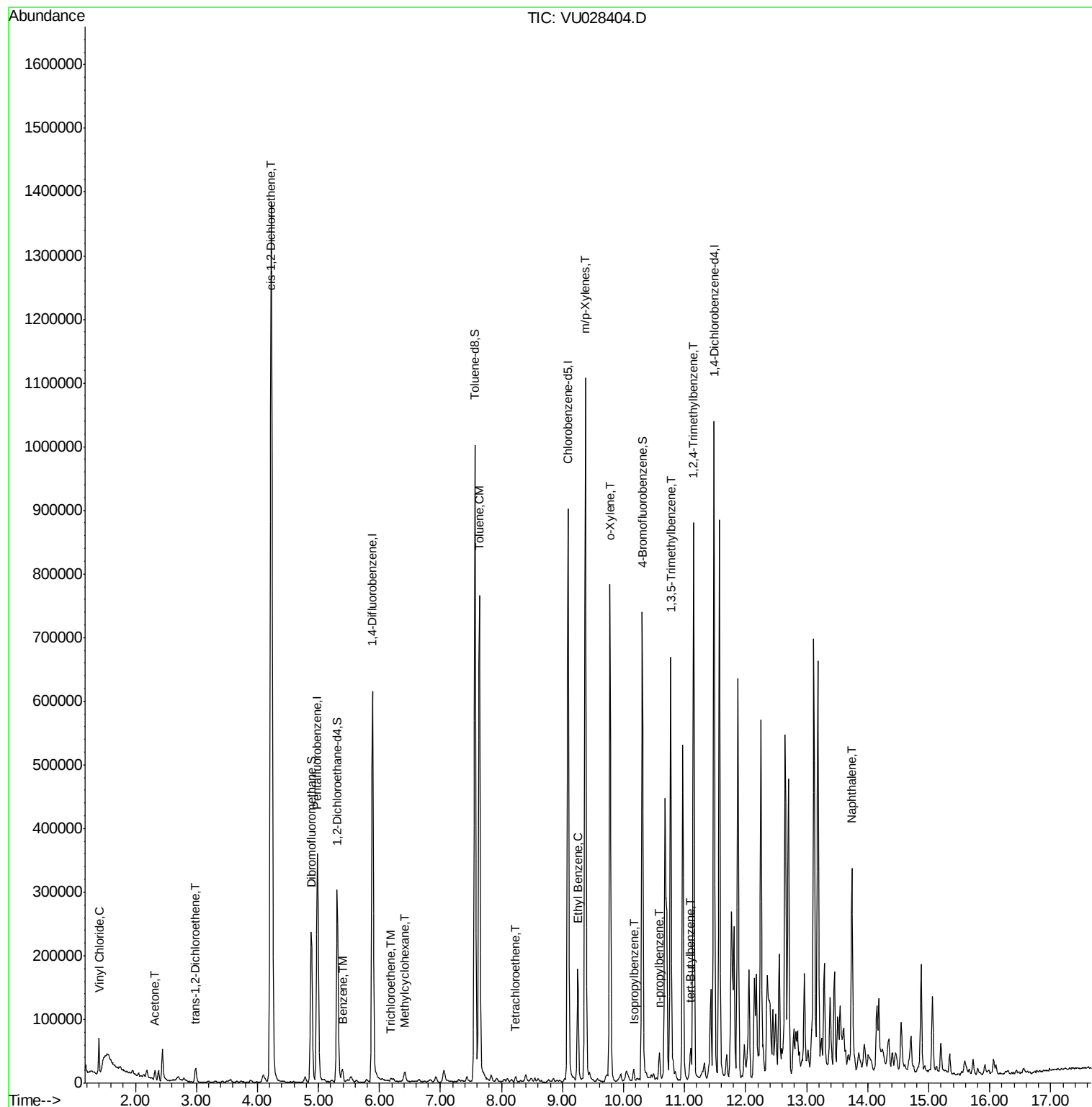
						Qvalue
4) Vinyl Chloride	1.40	62	34839	7.490	ug/l	97
16) Acetone	2.32	43	18545	7.095	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	6577	2.076	ug/l	82
27) cis-1,2-Dichloroethene	4.23	96	737662	196.900	ug/l	88
39) Methylcyclohexane	6.42	83	5048	0.802	ug/l	88
40) Benzene	5.39	78	18233	1.153	ug/l	95
44) Trichloroethene	6.18	130	1646	0.485	ug/l	95
52) Toluene	7.64	92	311873	34.239	ug/l	98
64) Tetrachloroethene	8.23	164	1447	0.472	ug/l	96
67) Ethyl Benzene	9.25	91	121594	6.671	ug/l	99
68) m/p-Xylenes	9.37	106	290329	44.252	ug/l	99
69) o-Xylene	9.78	106	196270	30.093	ug/l	99
73) Isopropylbenzene	10.17	105	11553	0.658	ug/l	95
78) n-propylbenzene	10.59	91	32025	1.478	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	344087	23.250	ug/l	100
83) tert-Butylbenzene	11.10	119	19125	1.386	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	461579	30.792	ug/l	99
95) Naphthalene	13.74	128	208353	13.177	ug/l	99

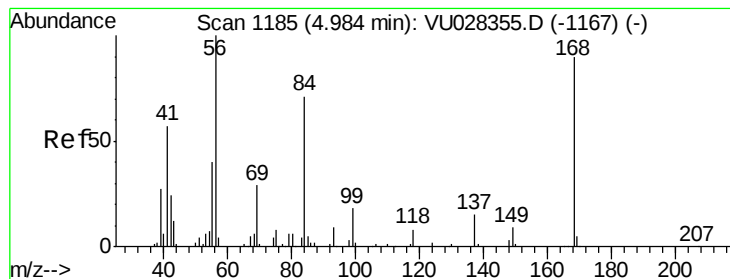
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampleId :

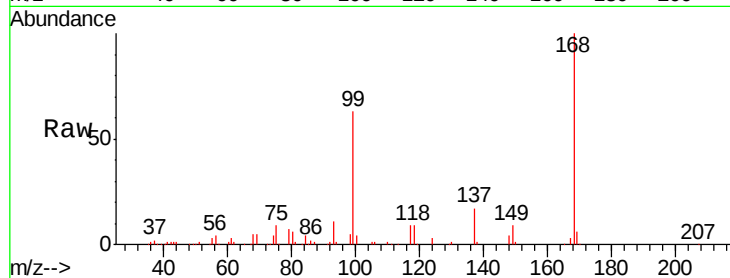
MW-11

Tgt Ion:168 Resp: 255683

Ion Ratio Lower Upper

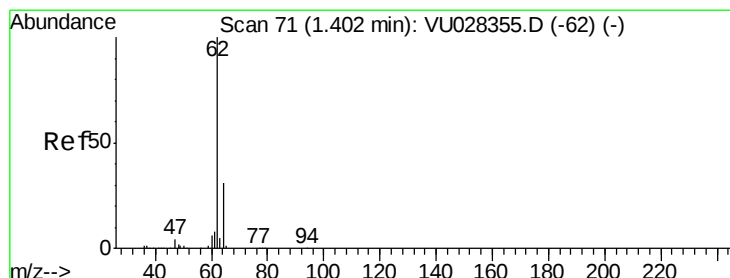
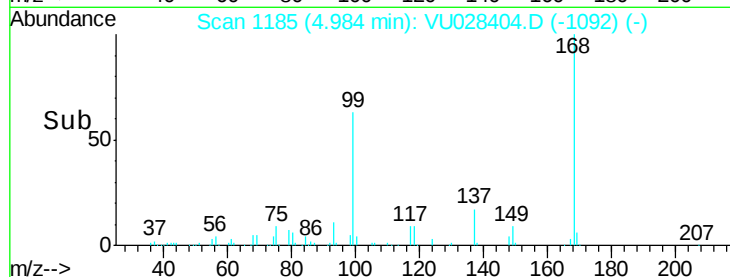
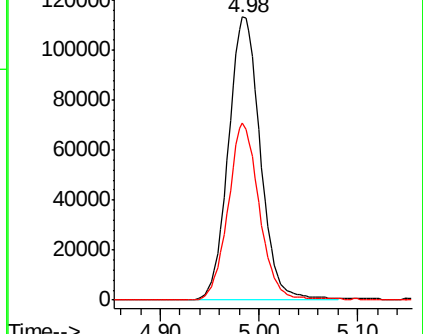
168 100

99 62.8 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 7.490 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028404.D

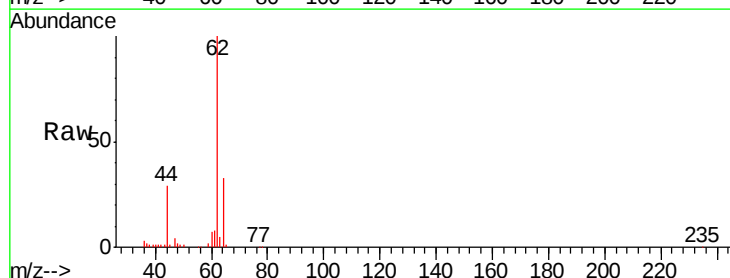
Acq: 29 Nov 2018 19:16

Tgt Ion: 62 Resp: 34839

Ion Ratio Lower Upper

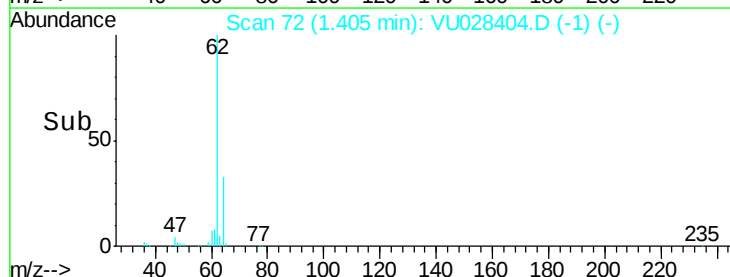
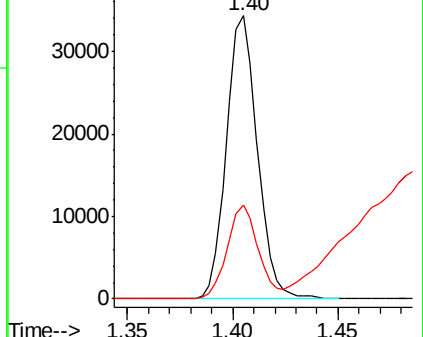
62 100

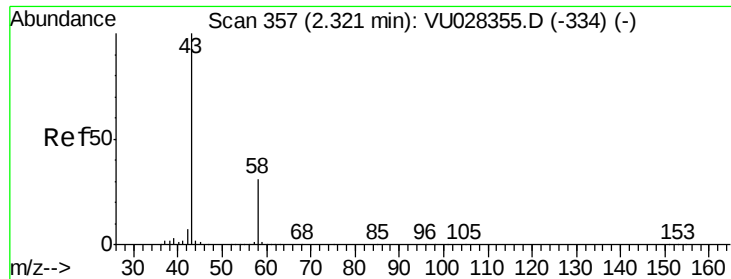
64 33.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#16

Acetone

Concen: 7.095 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampleId :

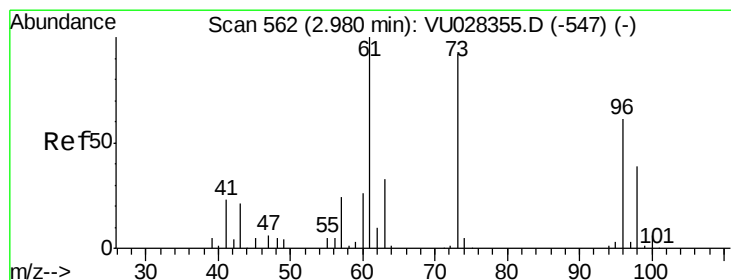
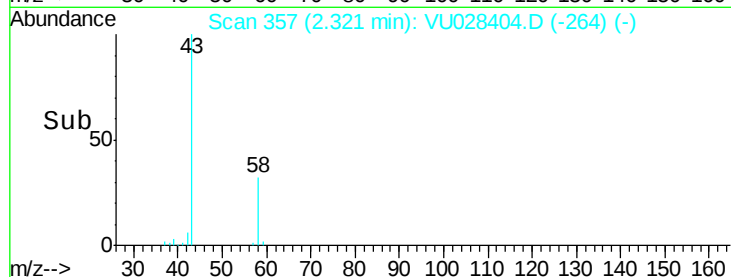
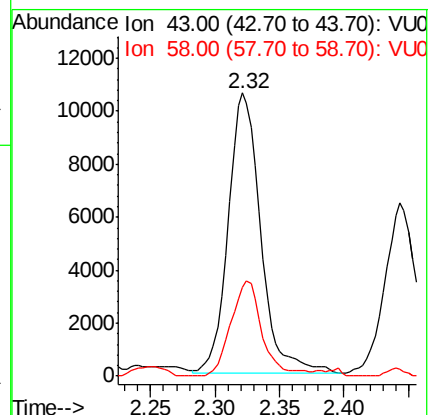
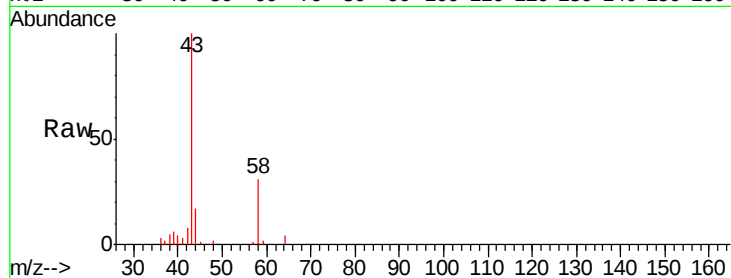
MW-11

Tgt Ion: 43 Resp: 18545

Ion Ratio Lower Upper

43 100

58 31.5 24.4 36.6



#21

trans-1,2-Dichloroethene

Concen: 2.076 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

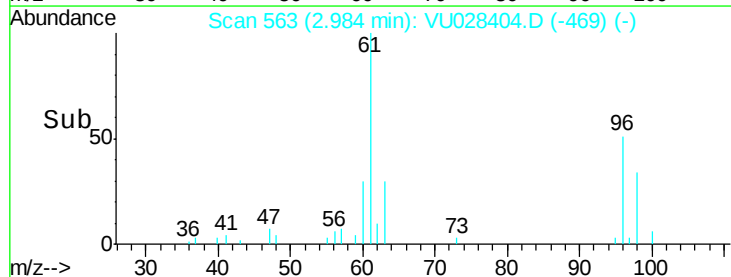
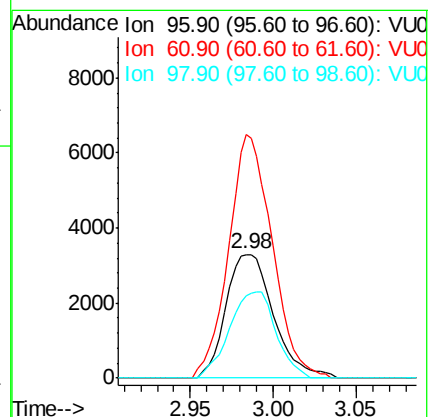
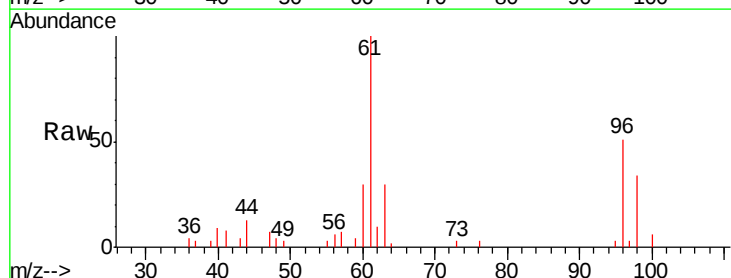
Tgt Ion: 96 Resp: 6577

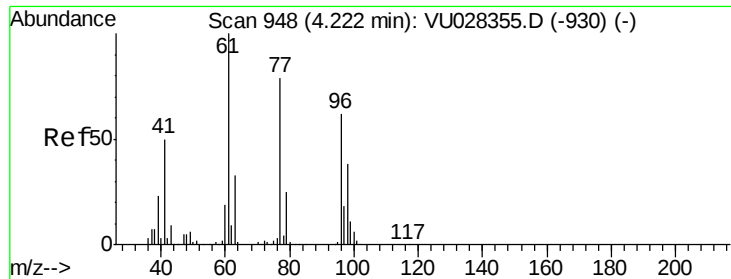
Ion Ratio Lower Upper

96 100

61 196.5 131.1 196.7

98 66.5 51.7 77.5



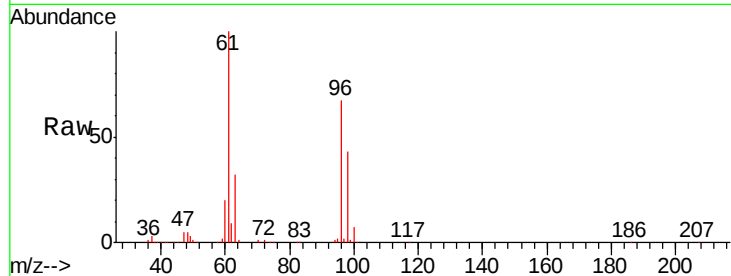


#27

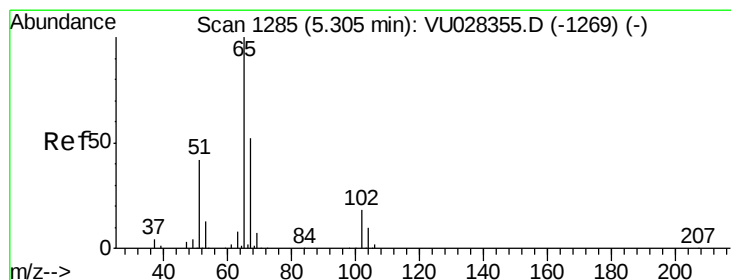
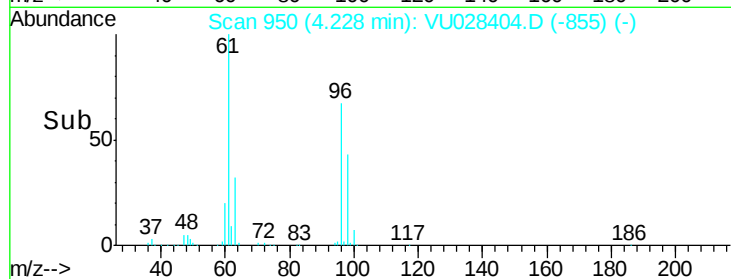
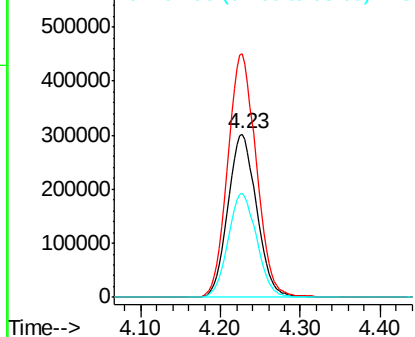
cis-1,2-Dichloroethene
 Concen: 196.900 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Instrument :
 MSVOA_U
 ClientSampled :
 MW-11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	342.0
98	63.4	0.0	126.4



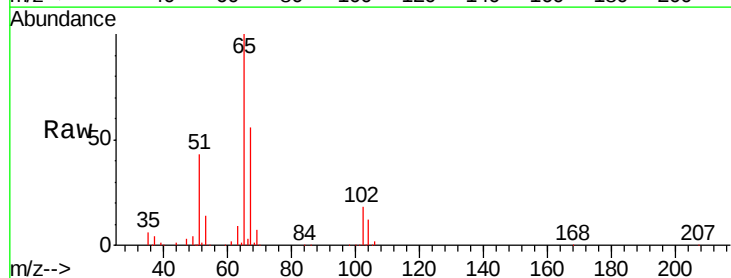
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



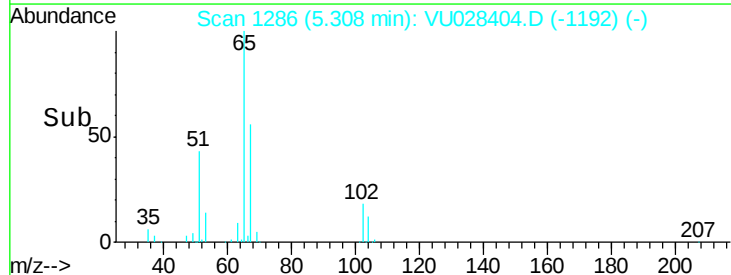
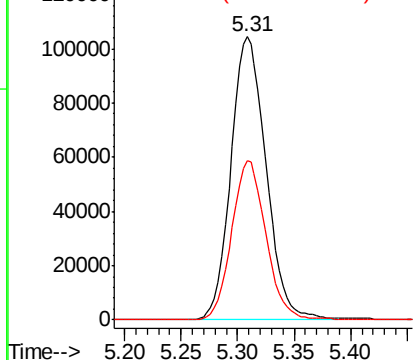
#33

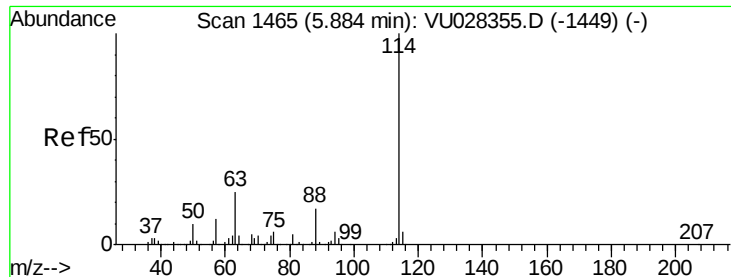
1,2-Dichloroethane-d4
 Concen: 52.893 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
 Ion 66.90 (66.60 to 67.60): VU0

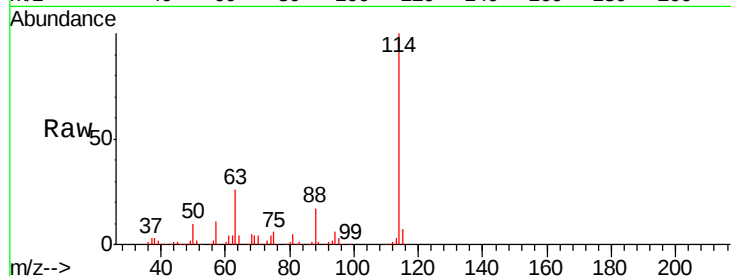




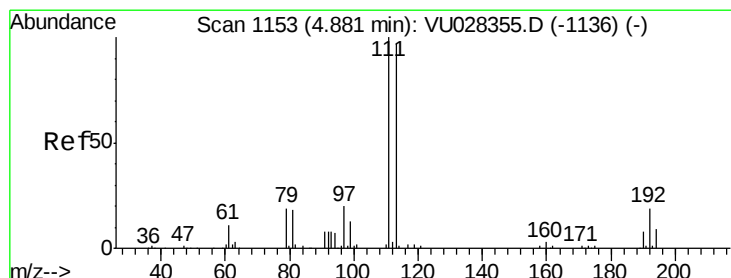
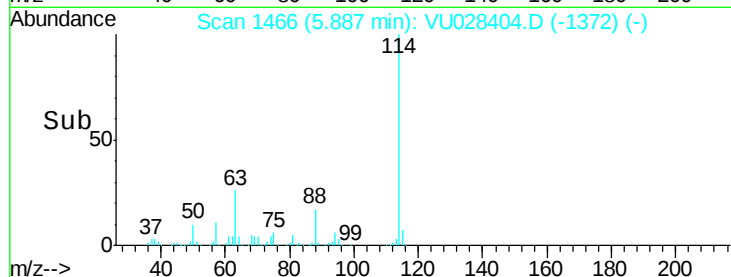
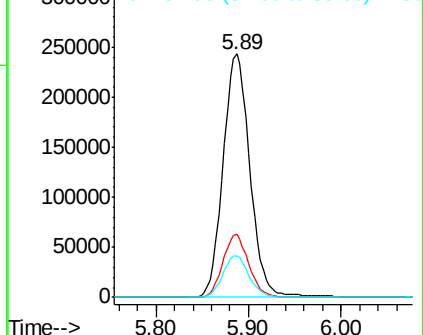
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-11

Tgt Ion:114 Resp: 488059
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 50.0
 88 17.2 0.0 34.4

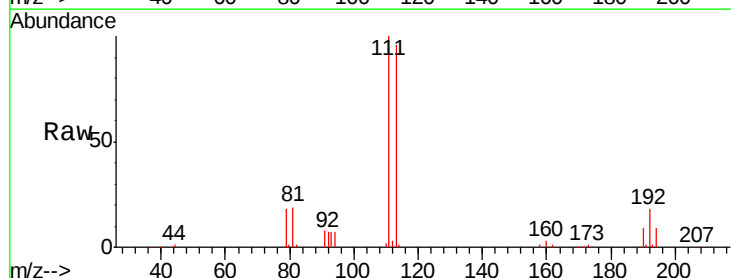


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

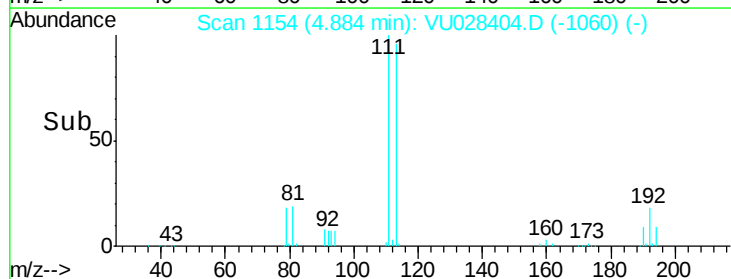
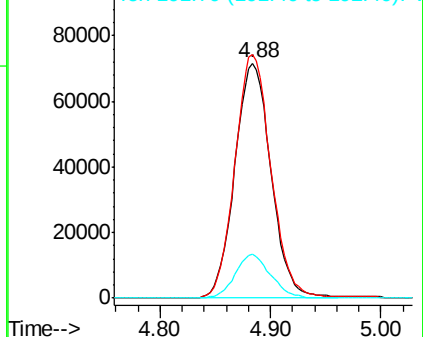


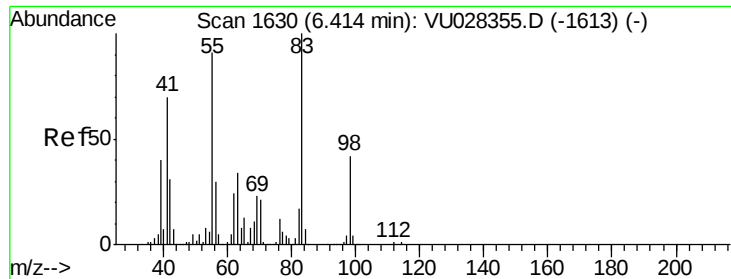
#35
 Dibromofluoromethane
 Concen: 50.283 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion:113 Resp: 163189
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.9 124.3
 192 18.1 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

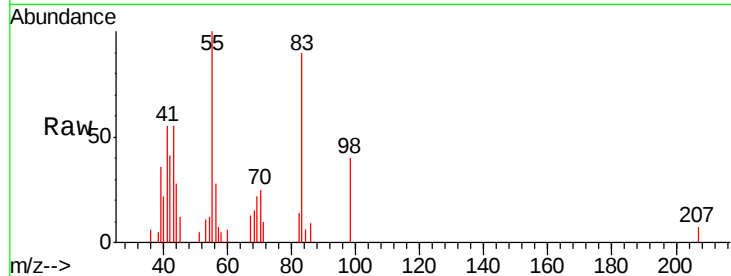




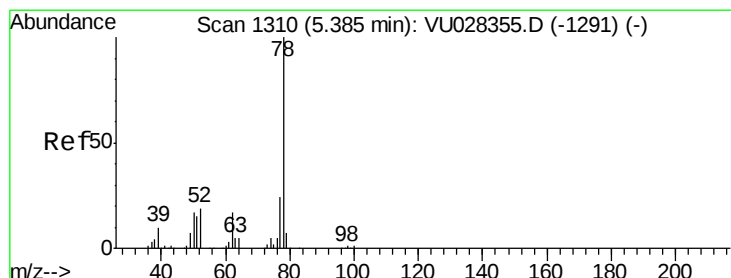
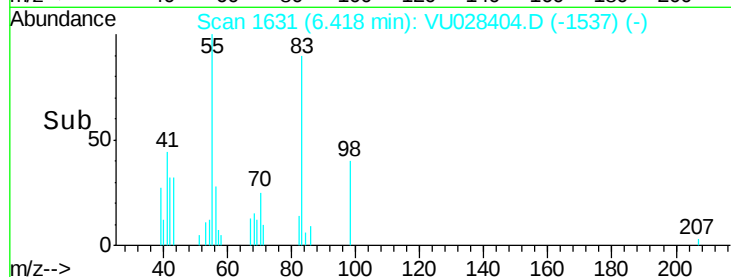
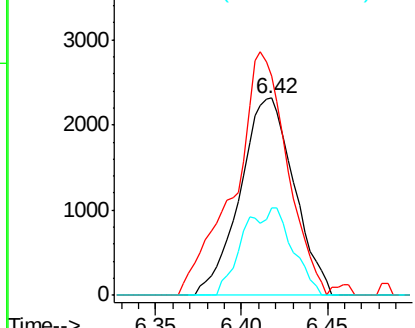
#39
Methylcyclohexane
Concen: 0.802 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Instrument :
MSVOA_U
ClientSampleId :
MW-11

Tgt Ion: 83 Resp: 5048
Ion Ratio Lower Upper
83 100
55 106.7 73.1 109.7
98 44.0 33.9 50.9

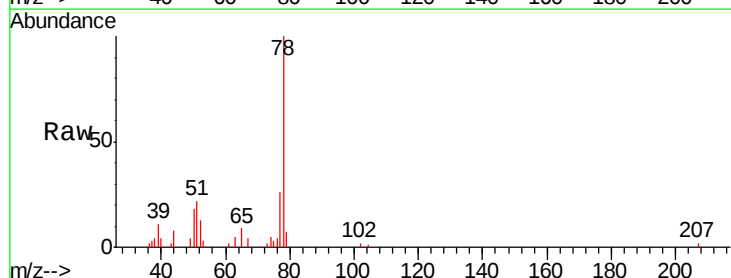


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

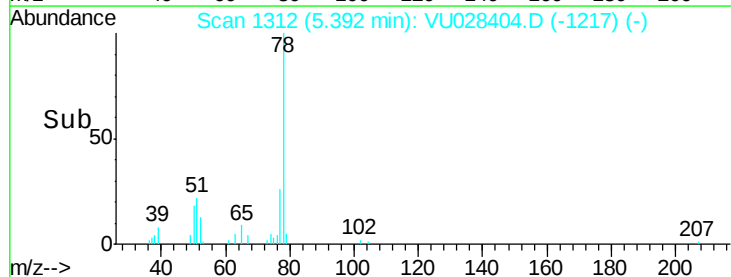
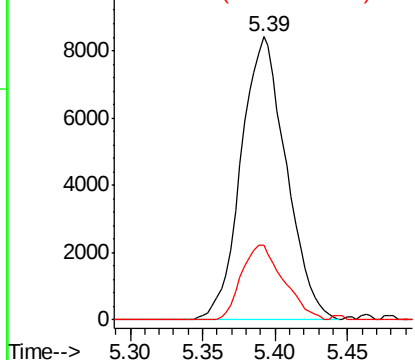


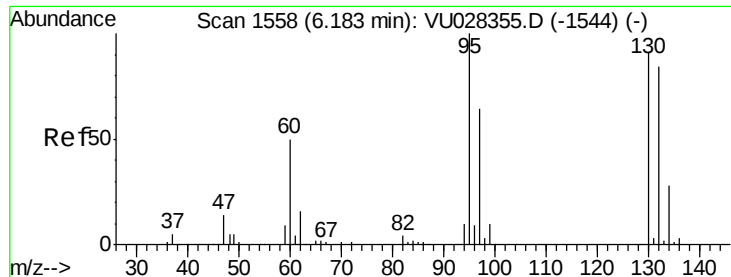
#40
Benzene
Concen: 1.153 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion: 78 Resp: 18233
Ion Ratio Lower Upper
78 100
77 26.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 0.485 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampled :

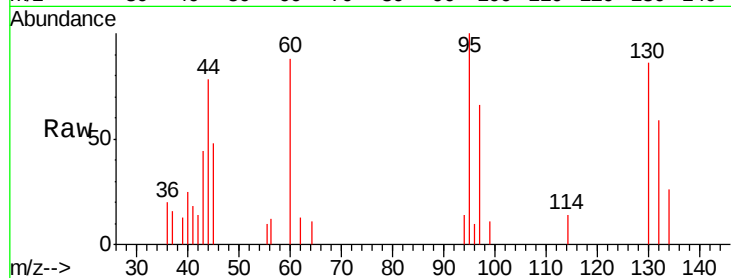
MW-11

Tgt Ion:130 Resp: 1646

Ion Ratio Lower Upper

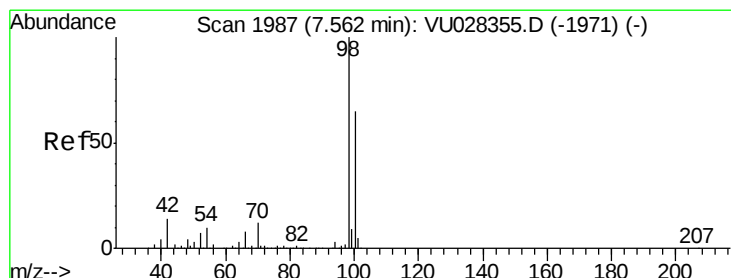
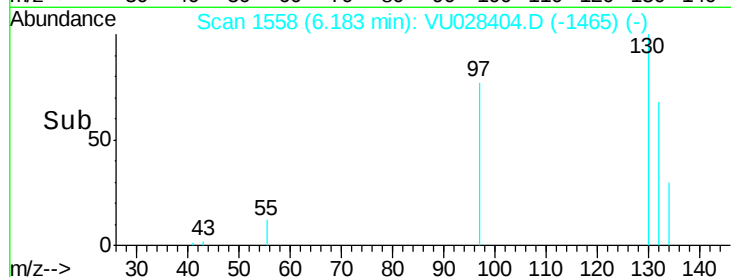
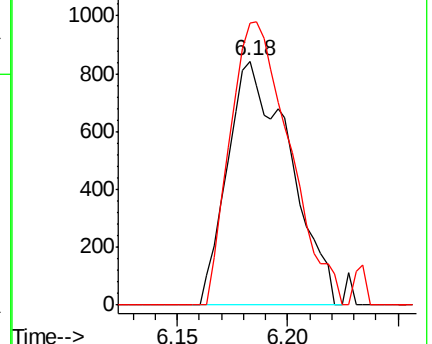
130 100

95 115.6 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 50.070 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028404.D

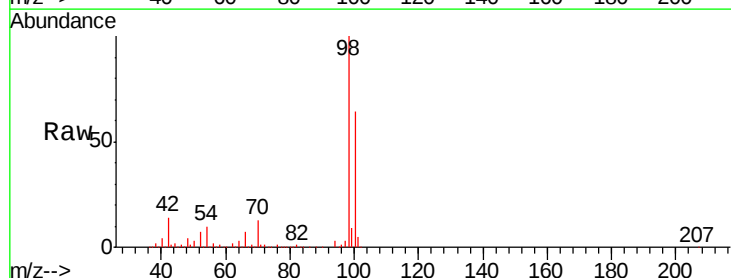
Acq: 29 Nov 2018 19:16

Tgt Ion: 98 Resp: 649874

Ion Ratio Lower Upper

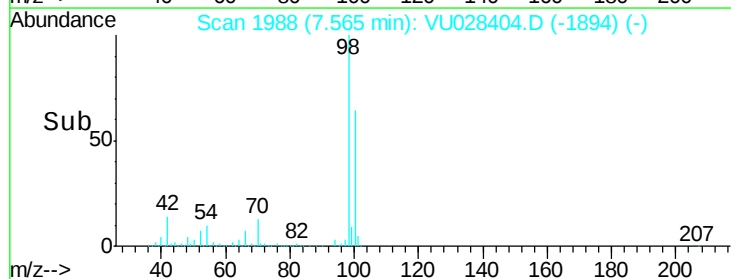
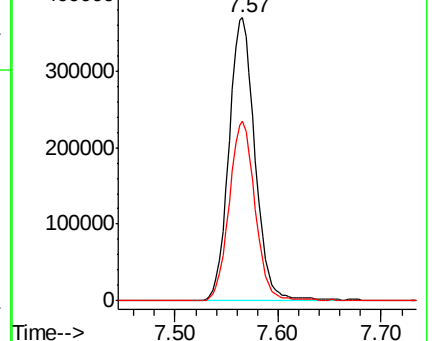
98 100

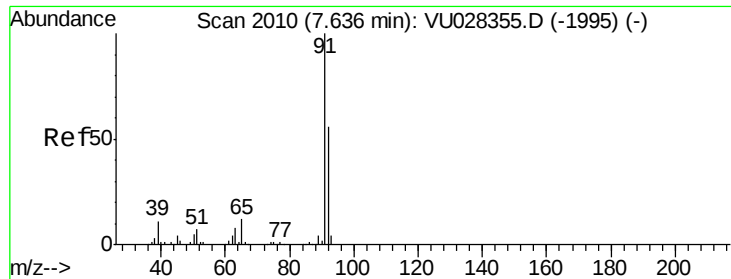
100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 34.239 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampled :

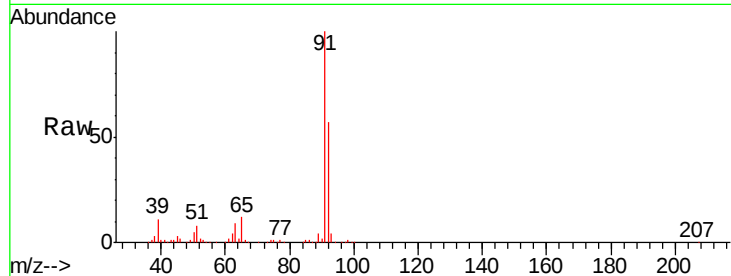
MW-11

Tgt Ion: 92 Resp: 311873

Ion Ratio Lower Upper

92 100

91 174.7 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

300000

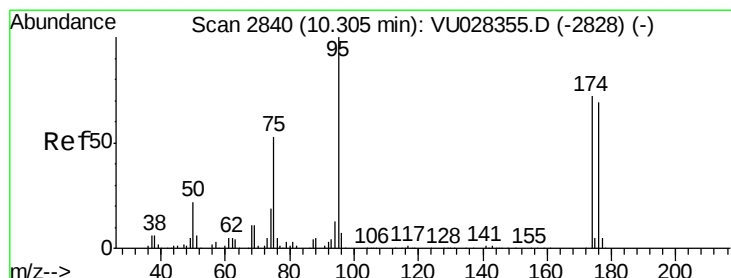
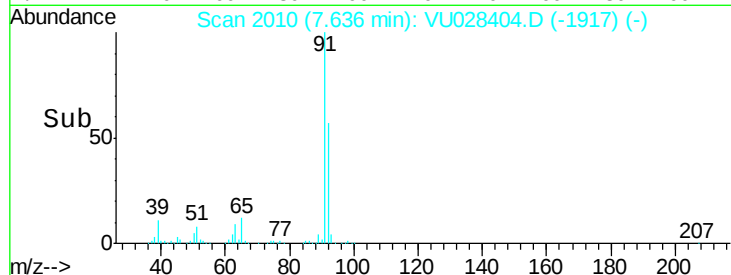
200000

100000

0

7.64

Time-->



#62

4-Bromofluorobenzene

Concen: 53.039 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

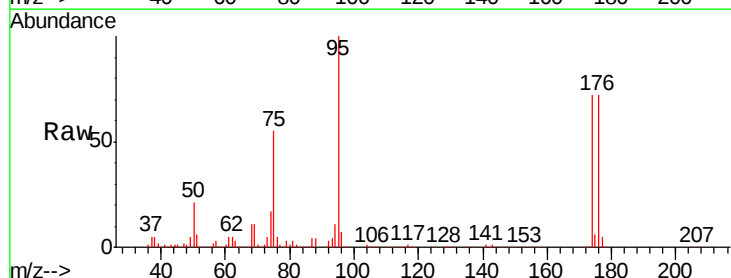
Tgt Ion: 95 Resp: 248121

Ion Ratio Lower Upper

95 100

174 71.7 0.0 145.4

176 69.3 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

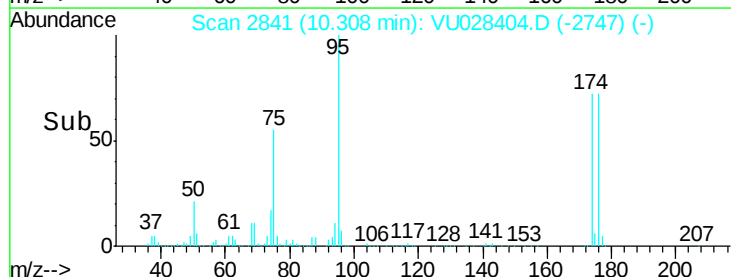
100000

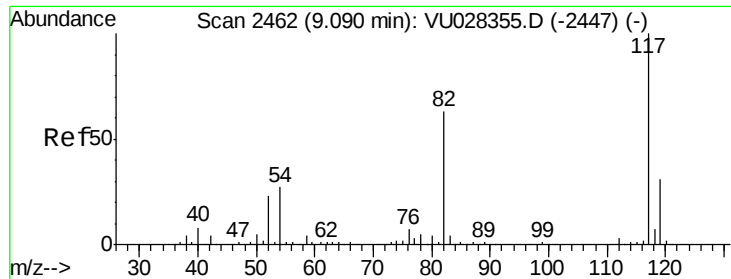
50000

0

10.31

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampleId :

MW-11

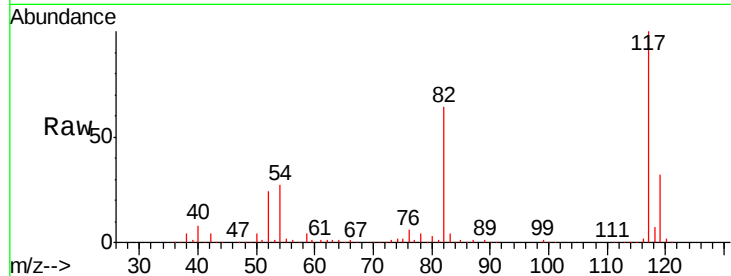
Tgt Ion:117 Resp: 466089

Ion Ratio Lower Upper

117 100

82 63.6 50.3 75.5

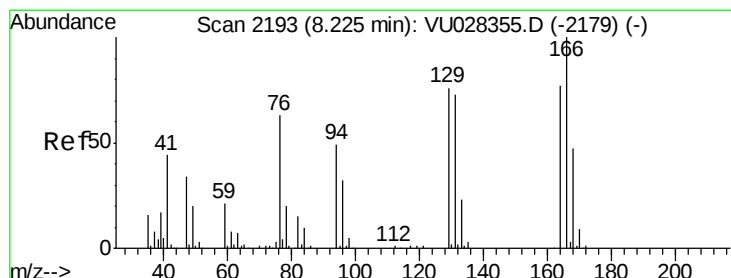
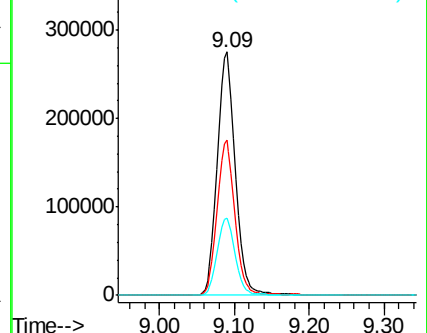
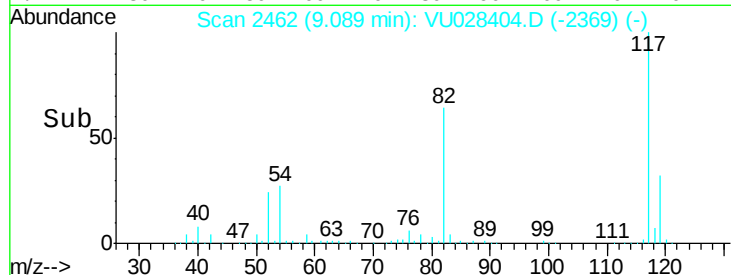
119 31.9 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.472 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Tgt Ion:164 Resp: 1447

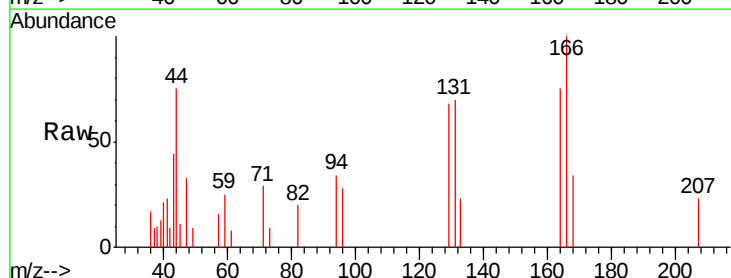
Ion Ratio Lower Upper

164 100

166 133.5 104.0 156.0

129 90.6 79.2 118.8

131 93.5 75.7 113.5

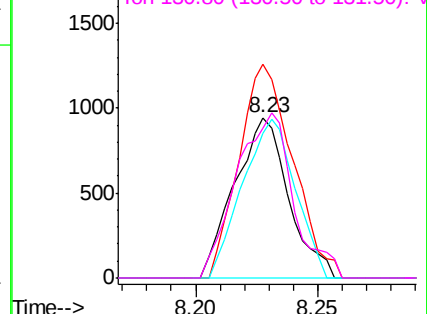
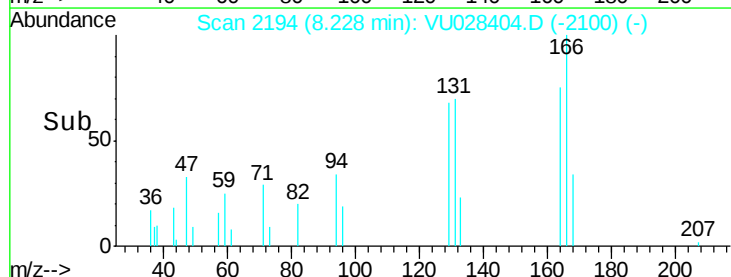


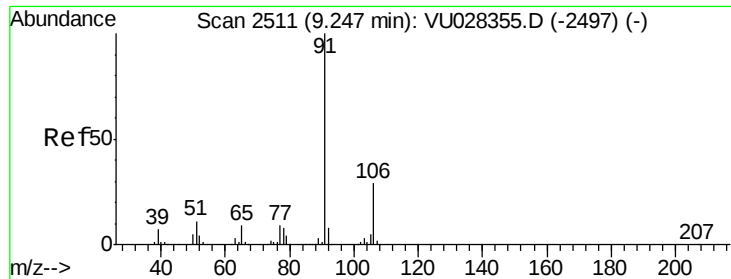
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

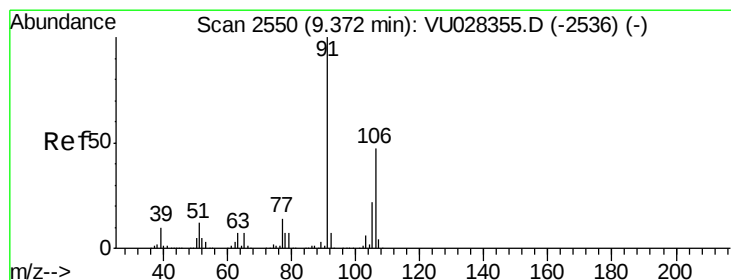
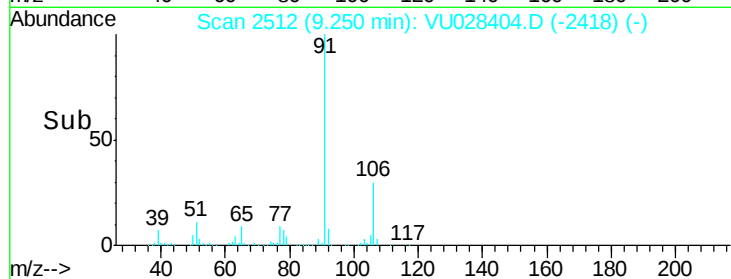
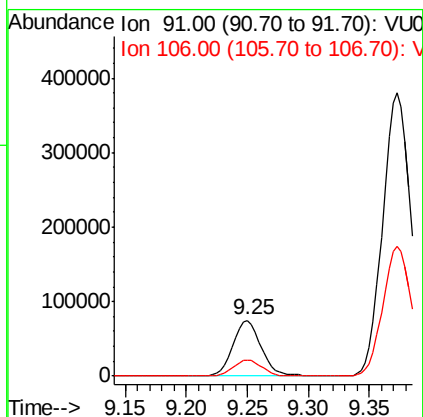
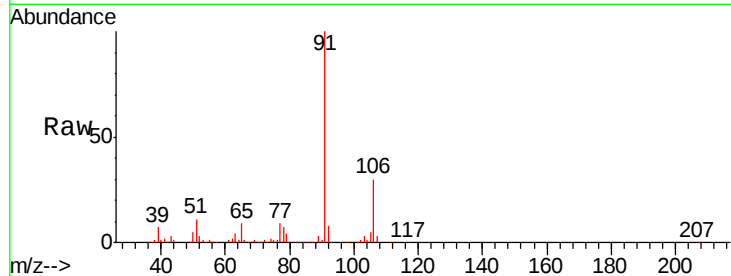




#67
Ethyl Benzene
Concen: 6.671 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

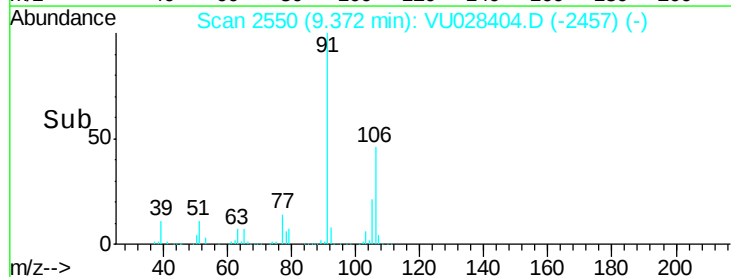
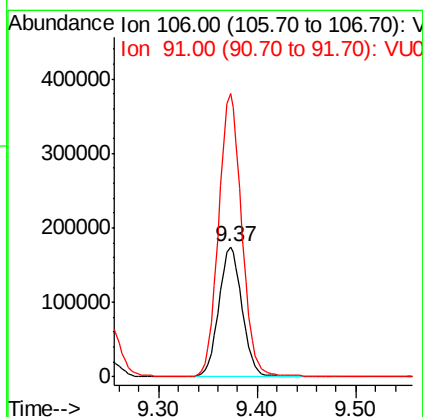
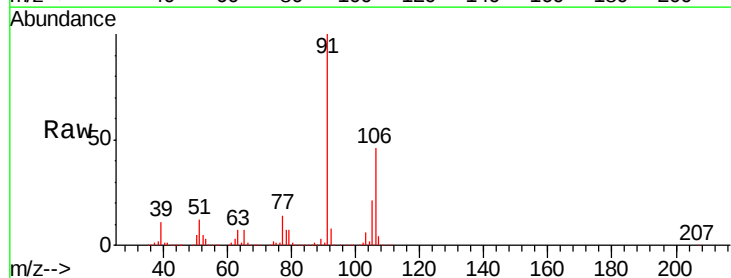
Instrument :
MSVOA_U
ClientSampleId :
MW-11

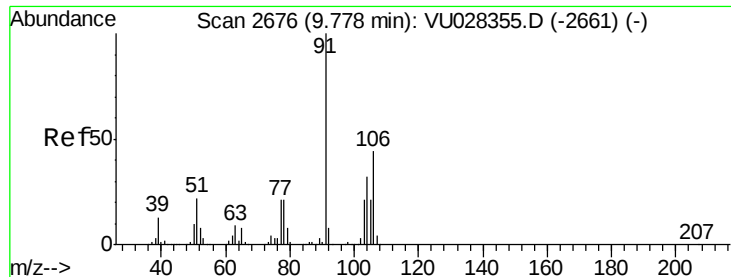
Tgt Ion: 91 Resp: 121594
Ion Ratio Lower Upper
91 100
106 29.6 23.3 34.9



#68
m/p-Xylenes
Concen: 44.252 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion: 106 Resp: 290329
Ion Ratio Lower Upper
106 100
91 216.0 171.0 256.6

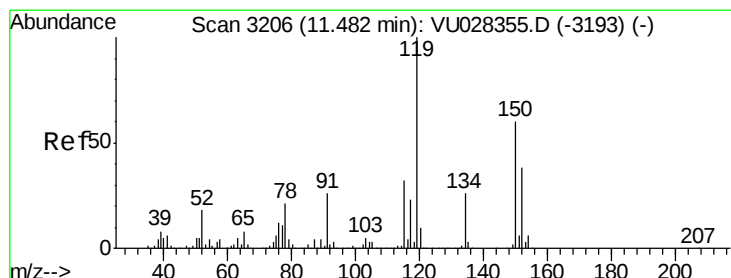
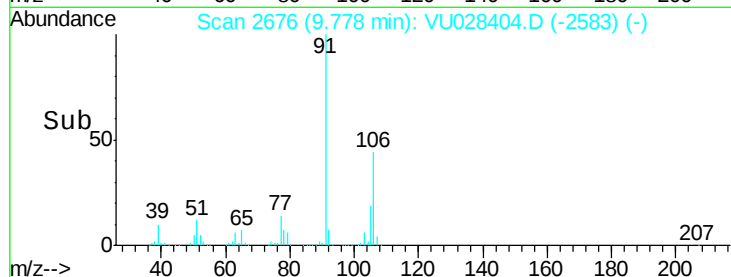
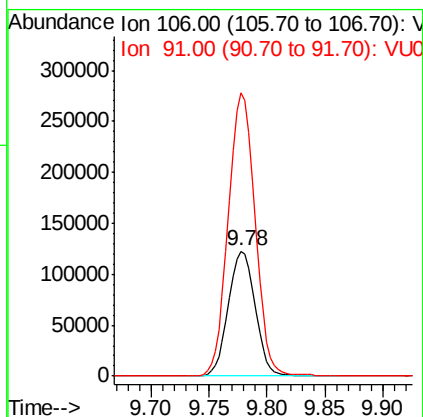
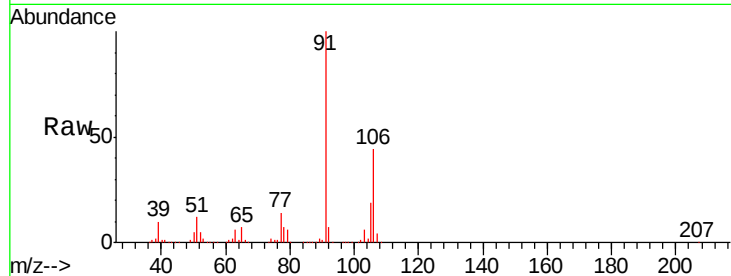




#69
o-Xylene
Concen: 30.093 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

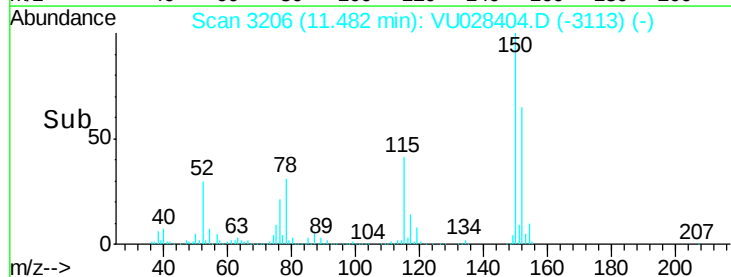
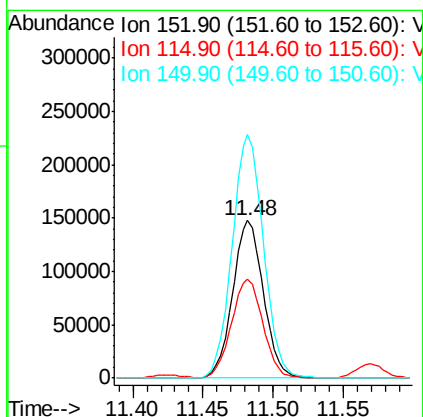
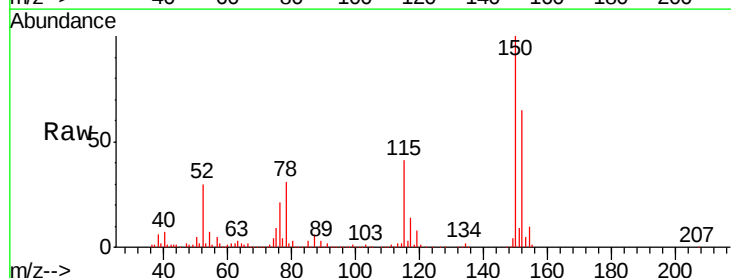
Instrument :
MSVOA_U
ClientSampleId :
MW-11

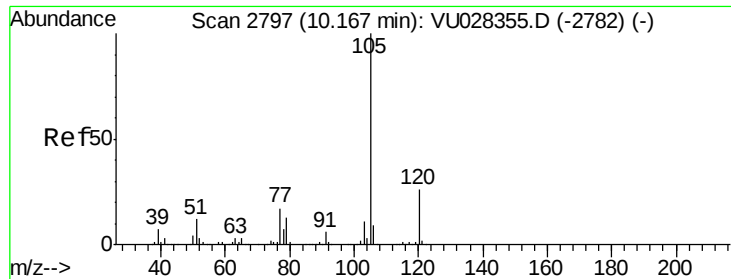
Tgt Ion:106 Resp: 196270
Ion Ratio Lower Upper
106 100
91 226.7 112.7 338.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028404.D
Acq: 29 Nov 2018 19:16

Tgt Ion:152 Resp: 225805
Ion Ratio Lower Upper
152 100
115 64.1 45.0 134.8
150 157.6 0.0 349.2





#73

Isopropylbenzene

Concen: 0.658 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampleId :

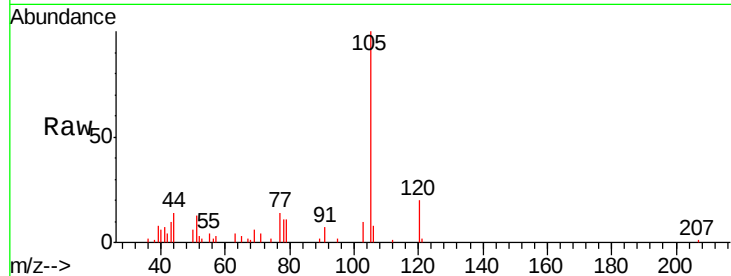
MW-11

Tgt Ion: 105 Resp: 11553

Ion Ratio Lower Upper

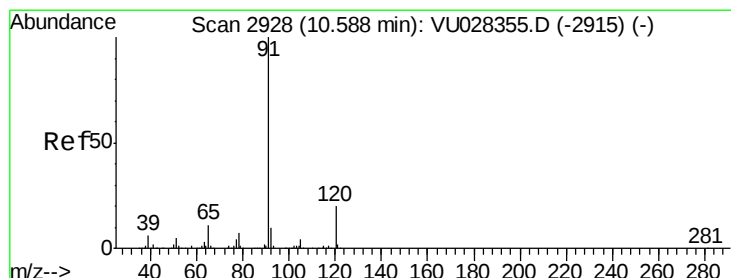
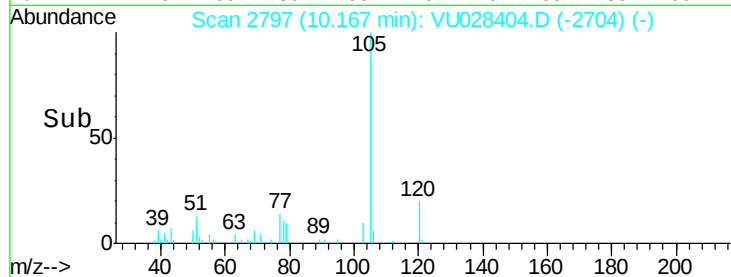
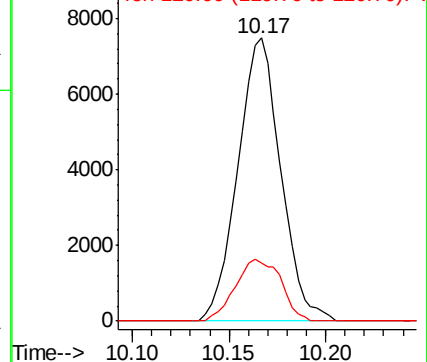
105 100

120 23.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.478 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028404.D

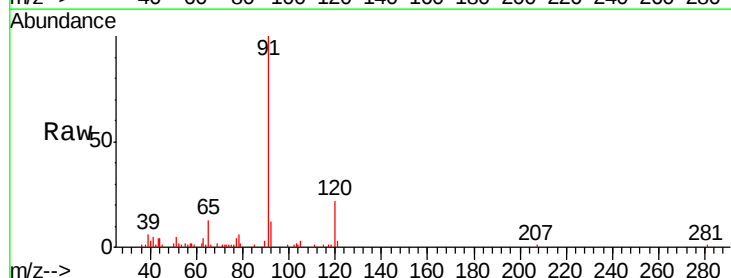
Acq: 29 Nov 2018 19:16

Tgt Ion: 91 Resp: 32025

Ion Ratio Lower Upper

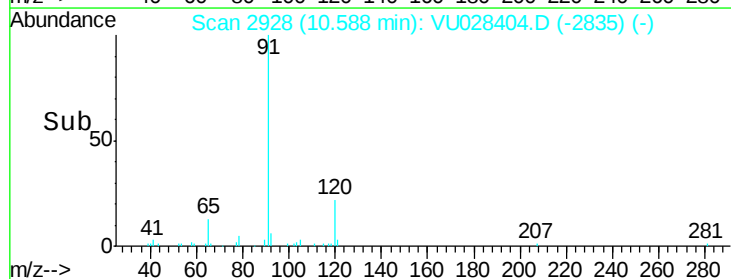
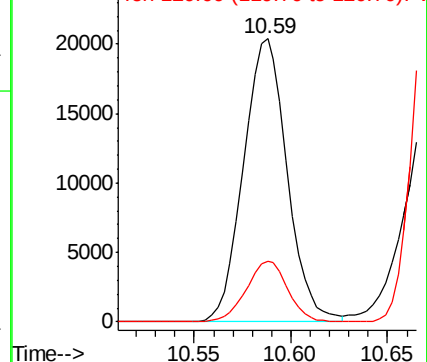
91 100

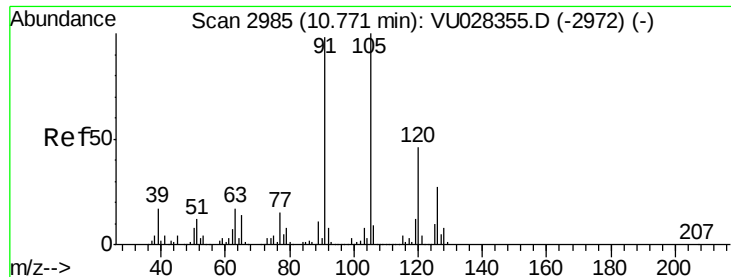
120 20.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 23.250 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

Instrument :

MSVOA_U

ClientSampled :

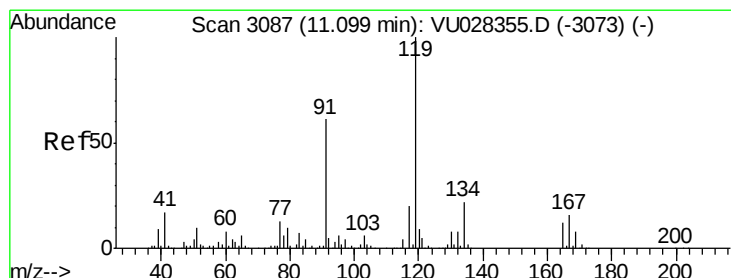
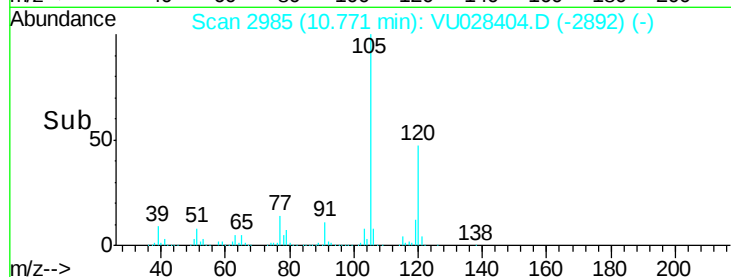
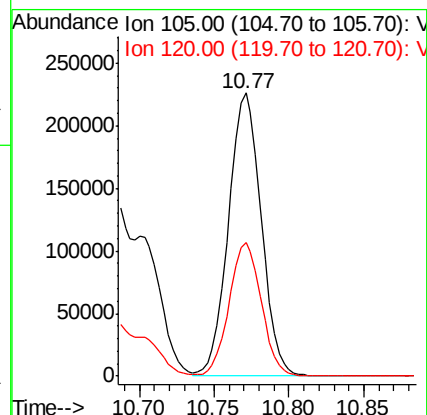
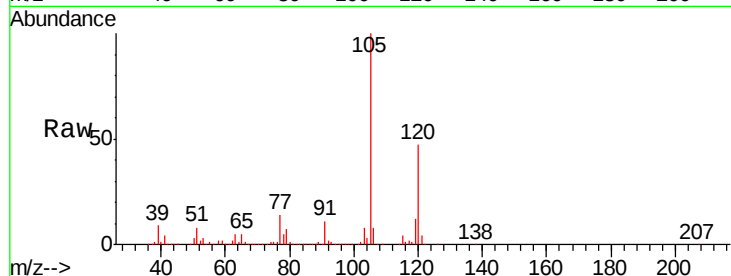
MW-11

Tgt Ion:105 Resp: 344087

Ion Ratio Lower Upper

105 100

120 46.5 23.4 70.0



#83

tert-Butylbenzene

Concen: 1.386 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028404.D

Acq: 29 Nov 2018 19:16

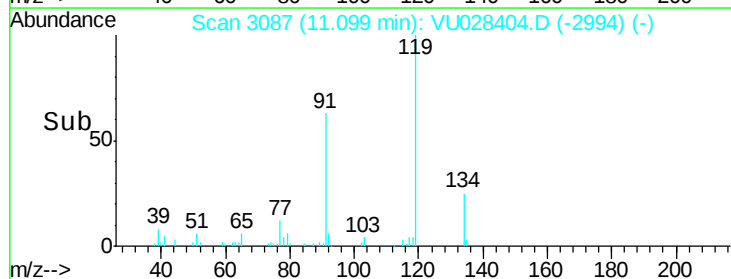
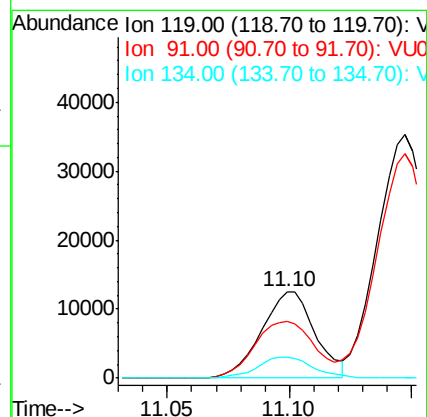
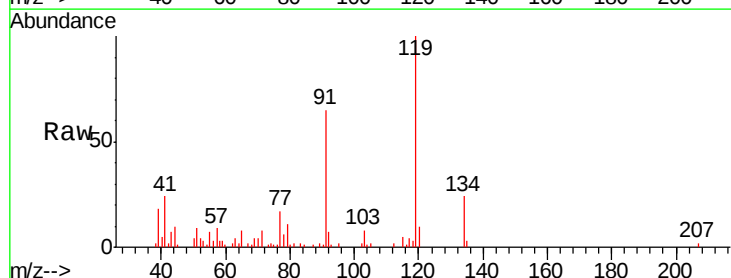
Tgt Ion:119 Resp: 19125

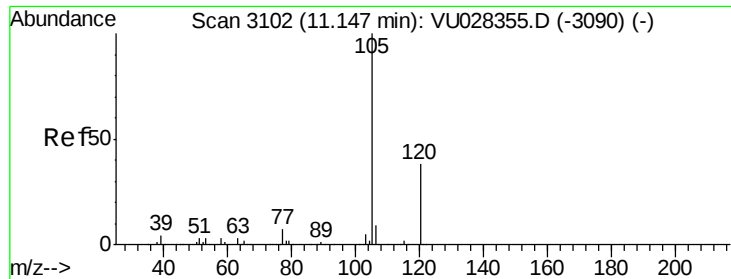
Ion Ratio Lower Upper

119 100

91 72.8 30.8 92.4

134 24.8 11.1 33.1

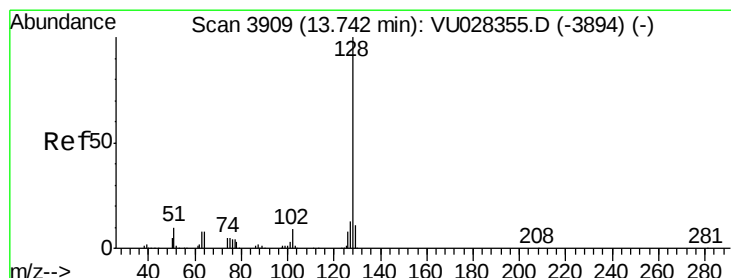
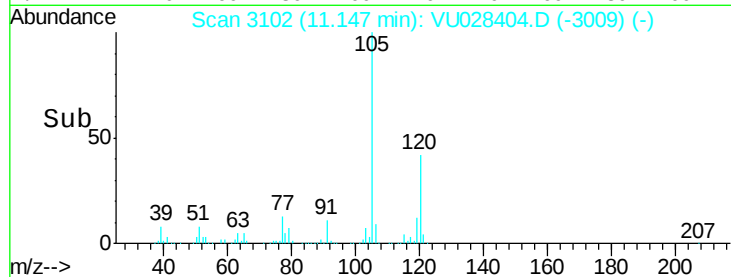
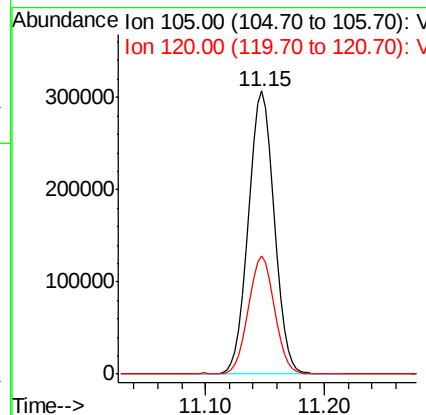
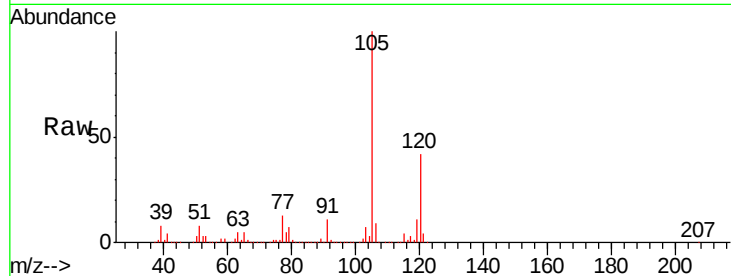




#84
 1,2,4-Trimethylbenzene
 Concen: 30.792 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-11

Tgt Ion:105 Resp: 461579
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.4 64.3



#95
 Naphthalene
 Concen: 13.177 ug/l
 RT: 13.74 min Scan# 3908
 Delta R.T. -0.00 min
 Lab File: VU028404.D
 Acq: 29 Nov 2018 19:16

Tgt Ion:128 Resp: 208353
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 11.3 8.6 12.8

