

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027281.D
 Acq On : 28 Sep 2018 18:58
 Operator : MD/SY
 Sample : J5084-24
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B-11(TW-3)

Quant Time: Sep 29 01:02:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

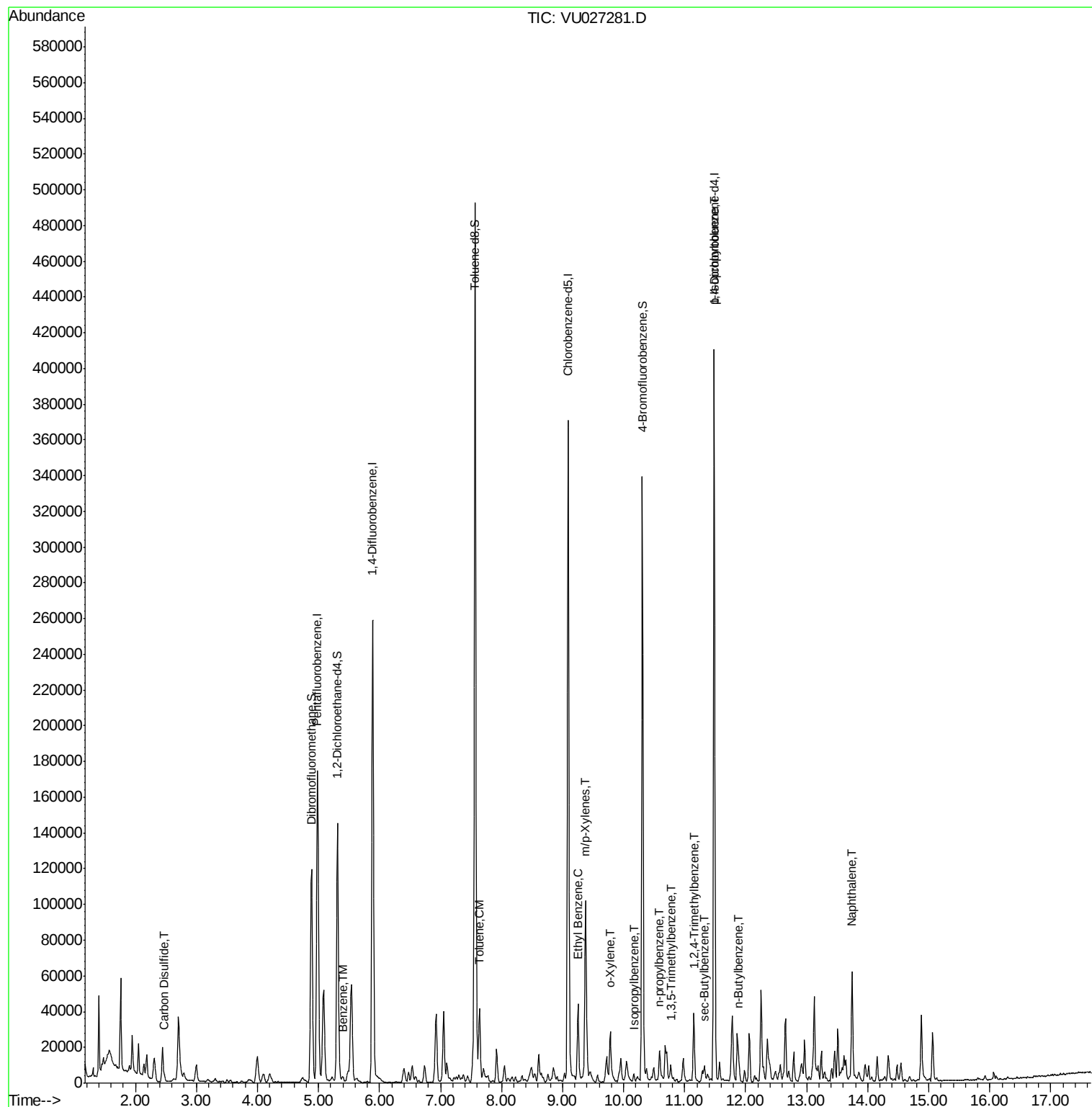
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	125068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	208708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	196737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100715	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	111821	44.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.84%	
35) Dibromofluoromethane	4.89	113	82585	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	
50) Toluene-d8	7.57	98	329282	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	10.31	95	113465	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	2.48	76	3435	0.610	ug/l	100
40) Benzene	5.40	78	2467	0.291	ug/l #	78
52) Toluene	7.64	92	15113	3.114	ug/l	96
67) Ethyl Benzene	9.25	91	27460	3.201	ug/l	98
68) m/p-Xylenes	9.38	106	27873	9.404	ug/l	99
69) o-Xylene	9.78	106	7602	2.501	ug/l	98
73) Isopropylbenzene	10.17	105	2756	0.360	ug/l	93
78) n-propylbenzene	10.59	91	13819	1.524	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	4443	0.703	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	20096	3.122	ug/l	98
85) sec-Butylbenzene	11.32	105	5552	0.727	ug/l	96
86) p-Isopropyltoluene	11.48	119	1188	1.090	ug/l #	60
89) n-Butylbenzene	11.89	91	7074	3.363	ug/l #	71
95) Naphthalene	13.75	128	48211	7.276	ug/l	100

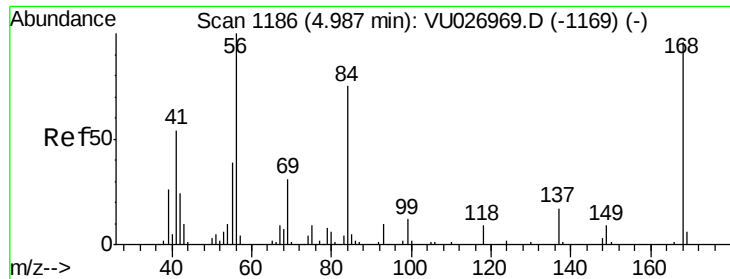
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027281.D

Acq: 28 Sep 2018 18:58

Instrument :

MSVOA_U

ClientSampleId :

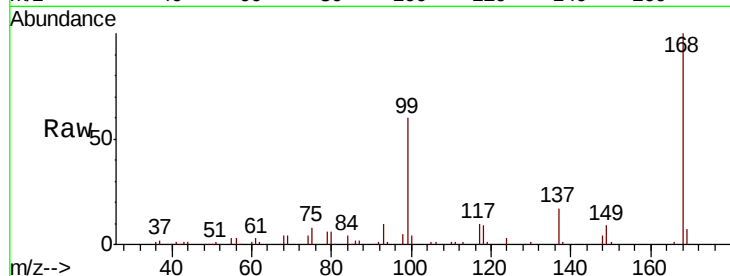
B-11(TW-3)

Tot Ion:168 Resp: 125068

Ion Ratio Lower Upper

168 100

99 59.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

60000

50000

40000

30000

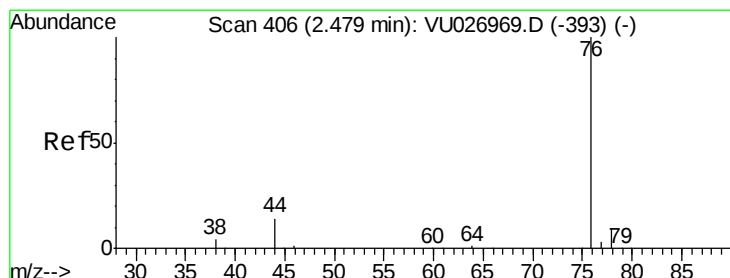
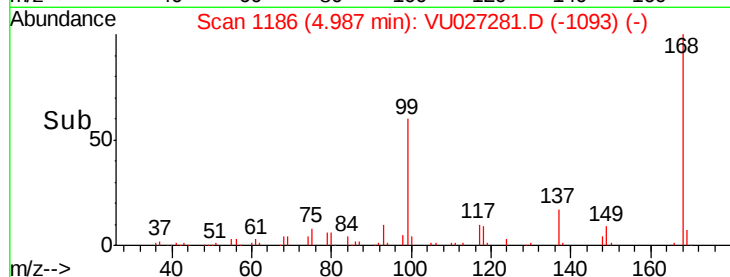
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#17

Carbon Disulfide

Concen: 0.610 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027281.D

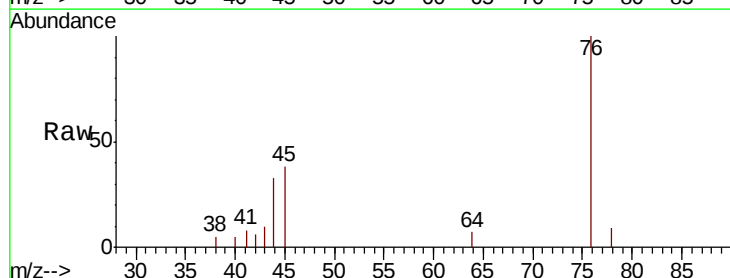
Acq: 28 Sep 2018 18:58

Tgt Ion: 76 Resp: 3435

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

2.48

2000

1500

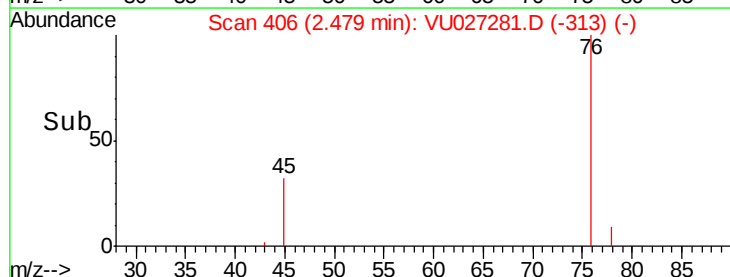
1000

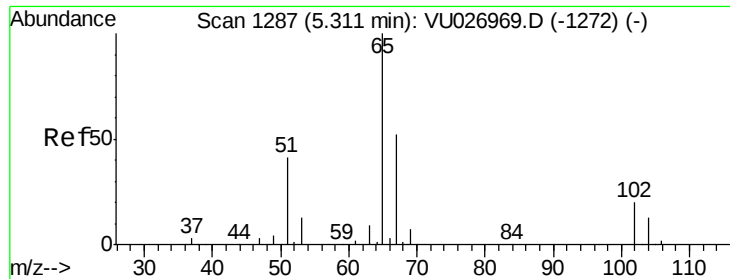
500

0

Time-->

2.45 2.50





#33

1,2-Dichloroethane-d4

Concen: 44.423 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027281.D

Acq: 28 Sep 2018 18:58

Instrument :

MSVOA_U

ClientSampleId :

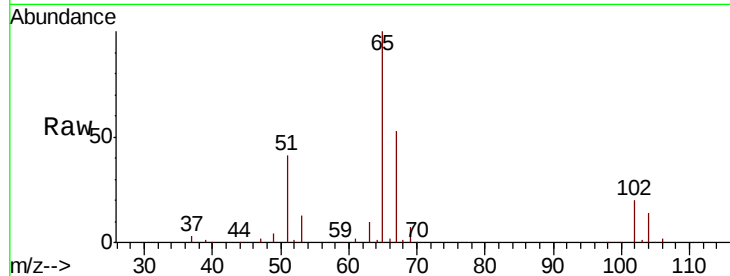
B-11(TW-3)

Tot Ion: 65 Resp: 111821

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

5.31

60000

50000

40000

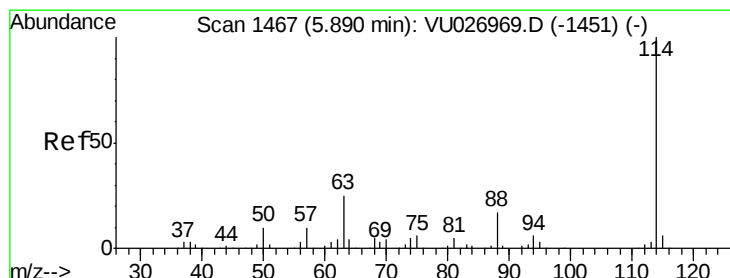
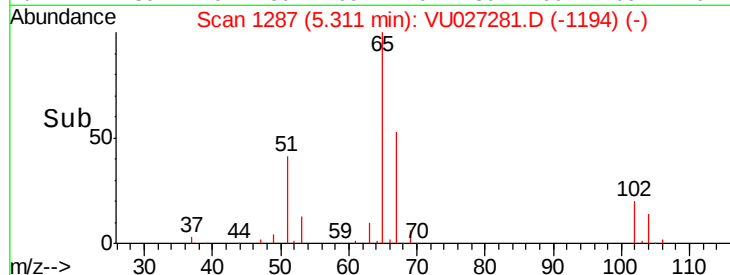
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027281.D

Acq: 28 Sep 2018 18:58

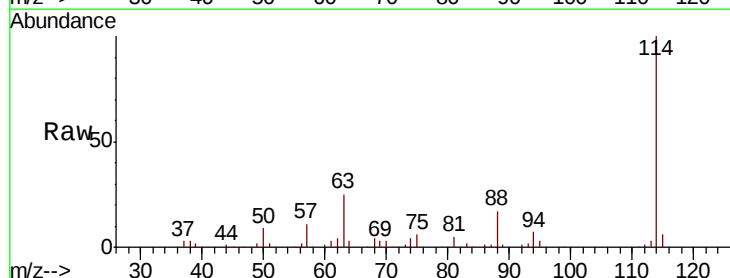
Tgt Ion: 114 Resp: 208708

Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 16.6 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VU026969.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU026969.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU026969.D (-1451) (-)

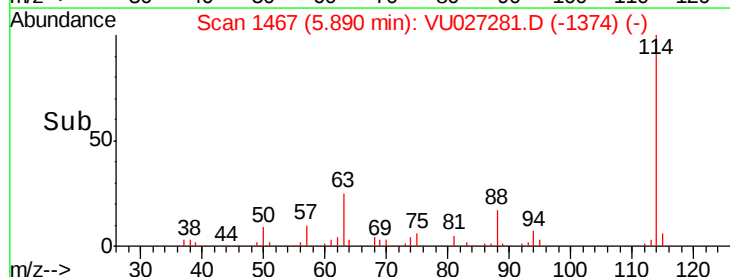
5.89

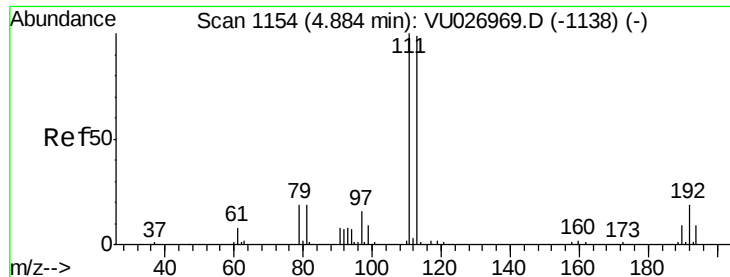
100000

50000

0

Time-->

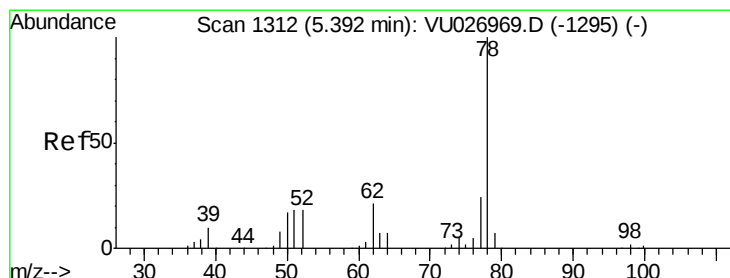
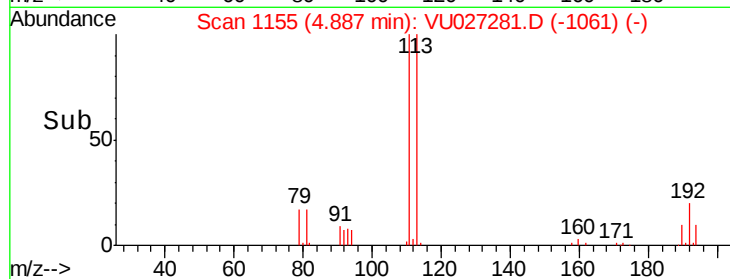
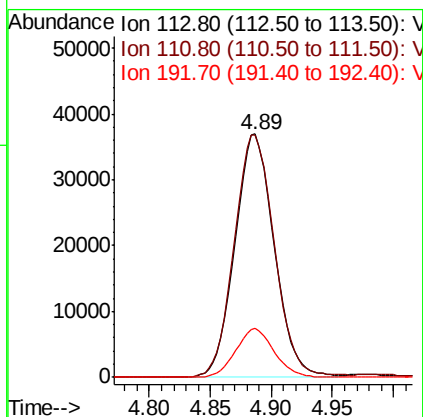
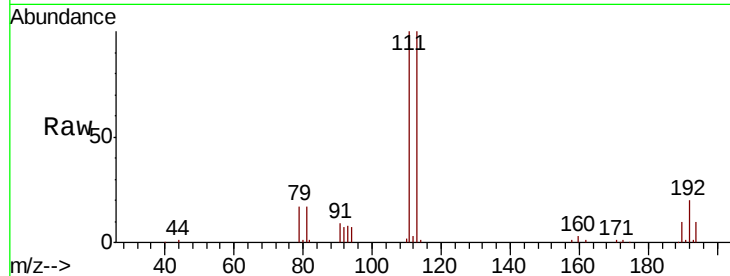




#35
 Dibromofluoromethane
 Concen: 45.650 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027281.D
 Acq: 28 Sep 2018 18:58

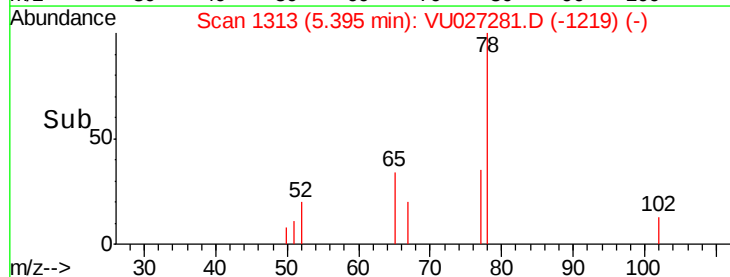
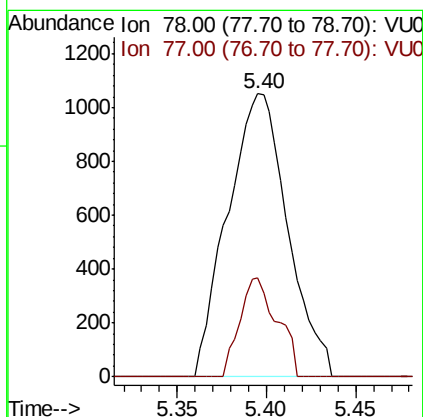
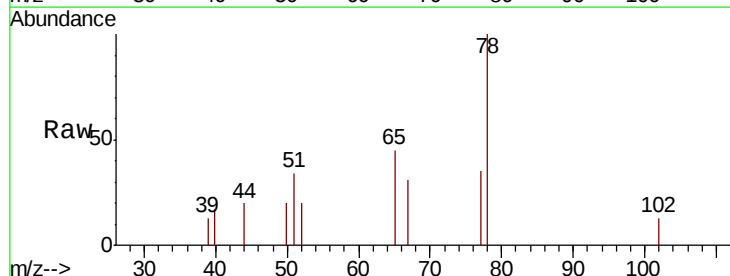
Instrument :
 MSVOA_U
 ClientSampleId :
 B-11(TW-3)

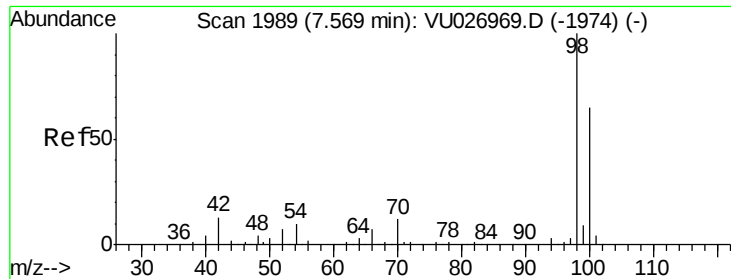
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	19.5	15.2	22.8



#40
 Benzene
 Concen: 0.291 ug/l
 RT: 5.40 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU027281.D
 Acq: 28 Sep 2018 18:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	35.1	19.4	29.0#

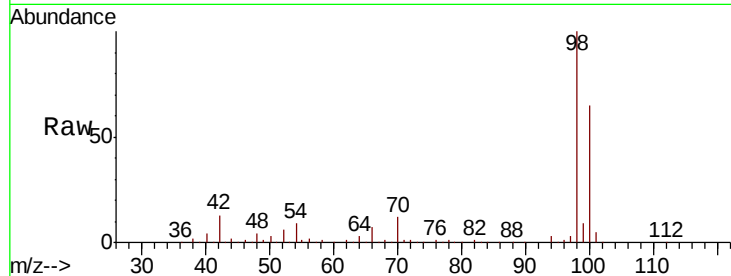




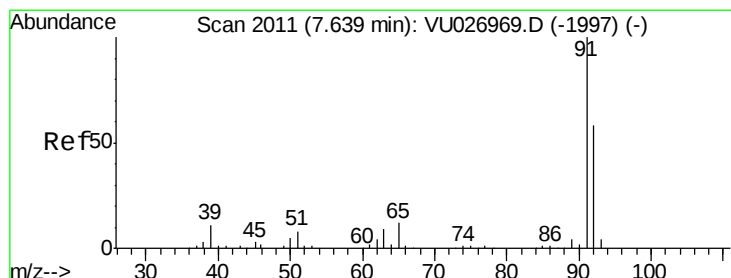
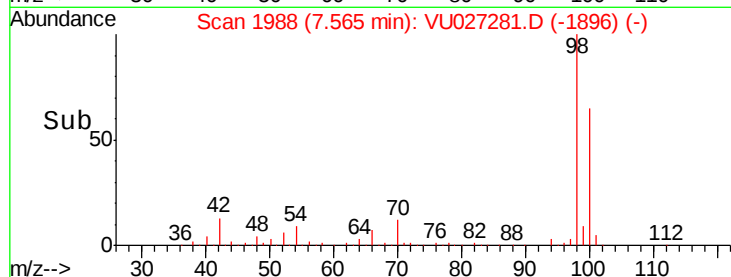
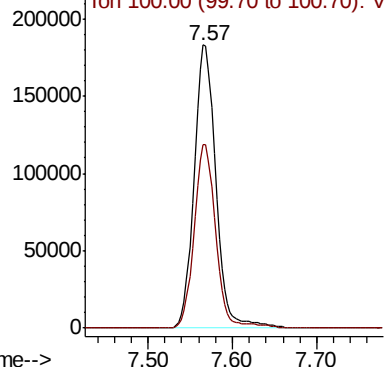
#50
Toluene-d8
Concen: 47.760 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Instrument :
MSVOA_U
ClientSampleId :
B-11(TW-3)

Tot Ion: 98 Resp: 329282
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

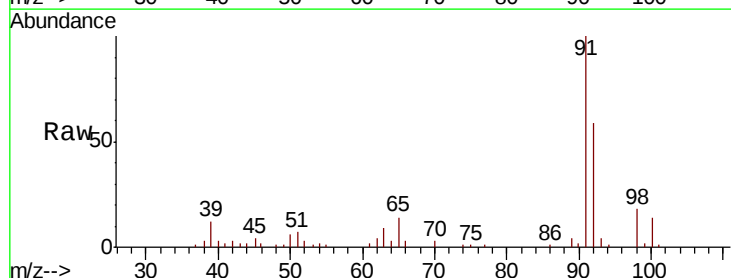


Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

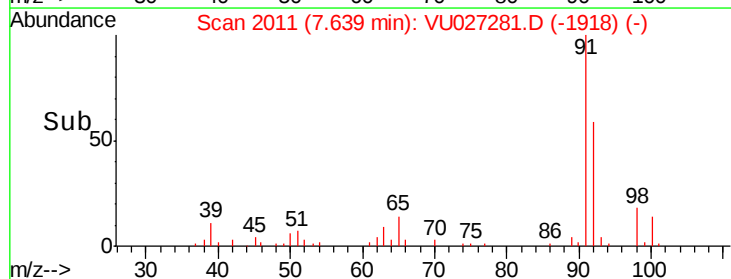
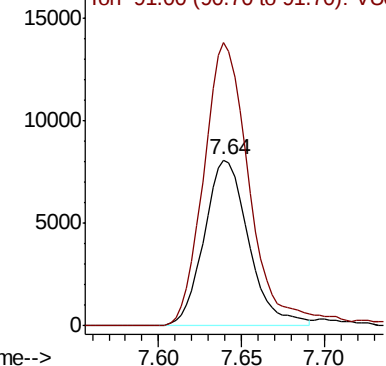


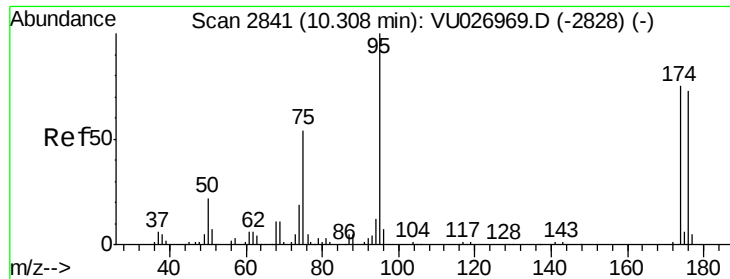
#52
Toluene
Concen: 3.114 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Tgt Ion: 92 Resp: 15113
Ion Ratio Lower Upper
92 100
91 176.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0





#62

4-Bromofluorobenzene

Concen: 47.962 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027281.D

Acq: 28 Sep 2018 18:58

Instrument :

MSVOA_U

ClientSampleId :

B-11(TW-3)

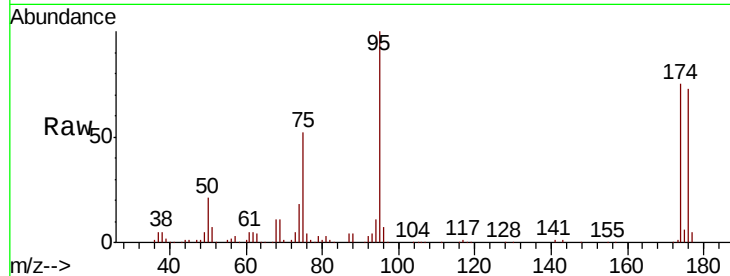
Tot Ion: 95 Resp: 113465

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

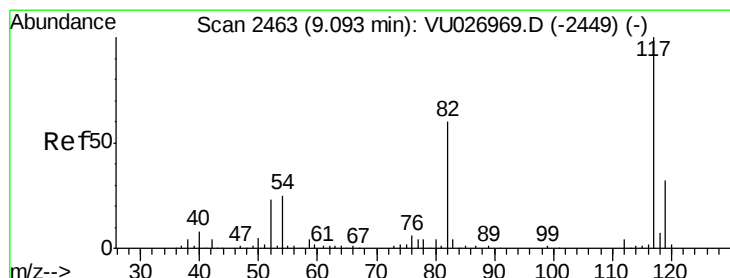
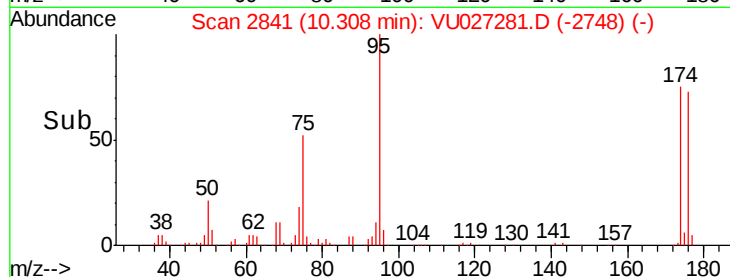
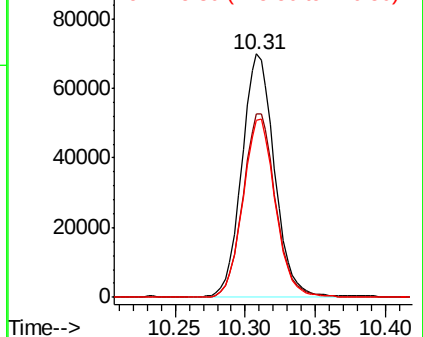
176 72.8 0.0 145.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027281.D

Acq: 28 Sep 2018 18:58

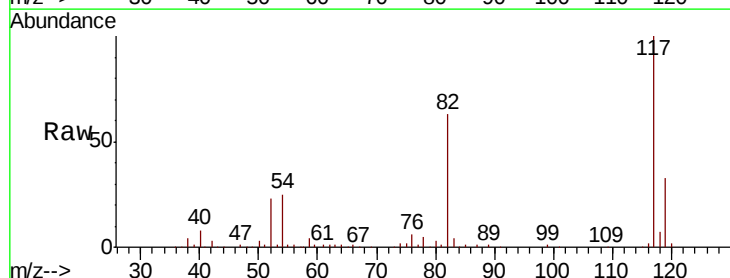
Tgt Ion: 117 Resp: 196737

Ion Ratio Lower Upper

117 100

82 62.4 48.0 72.0

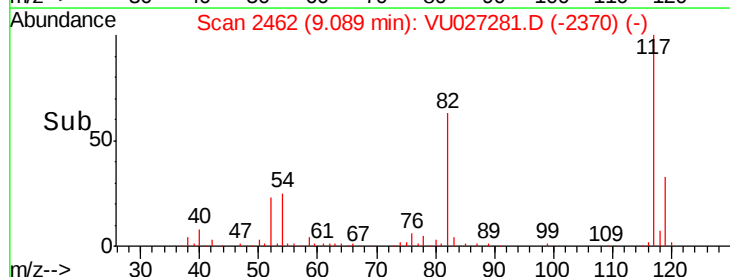
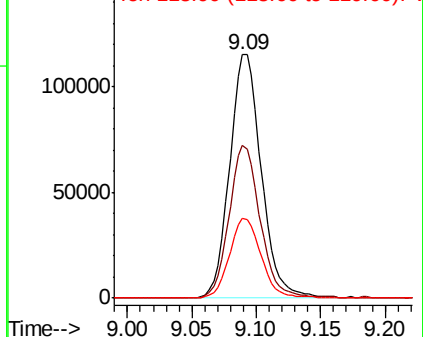
119 32.6 25.8 38.8

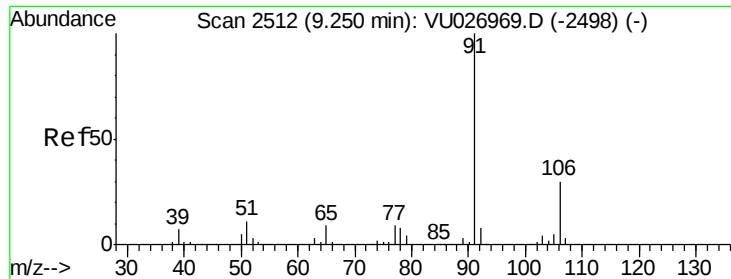


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

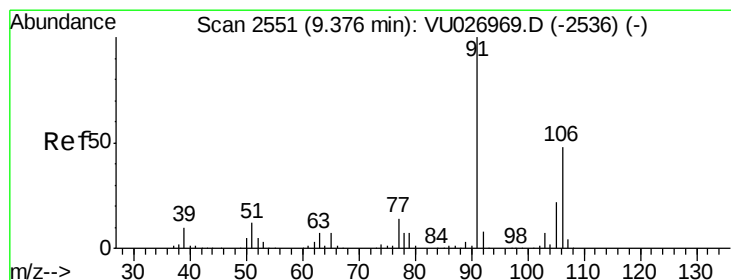
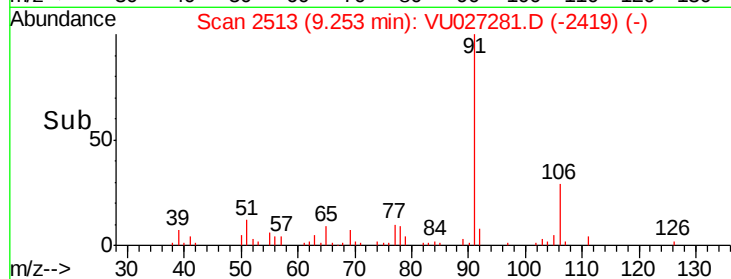
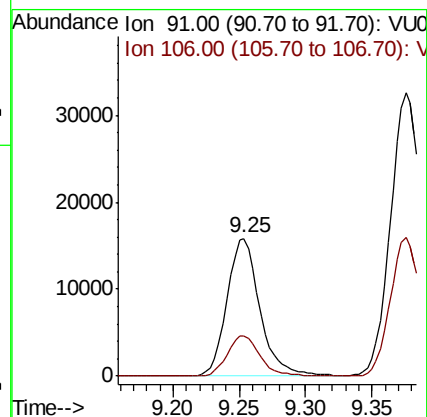
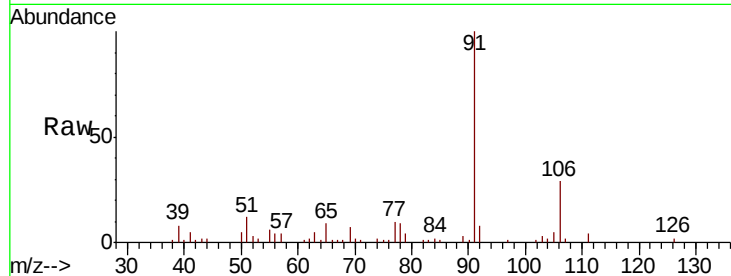




#67
Ethyl Benzene
Concen: 3.201 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

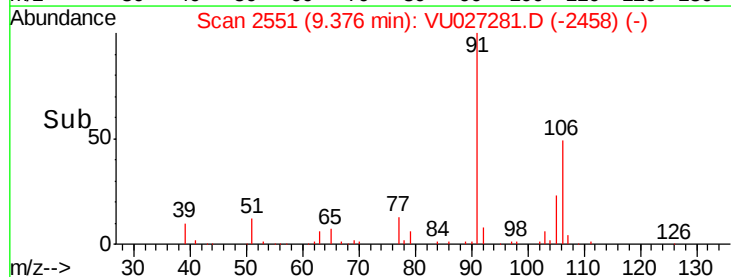
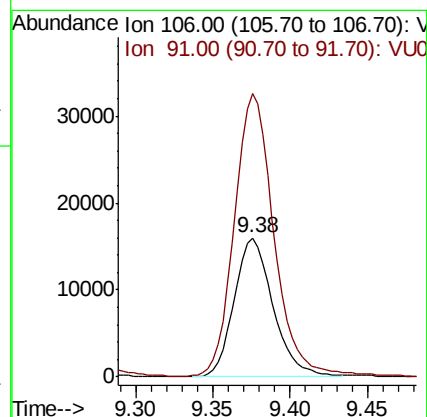
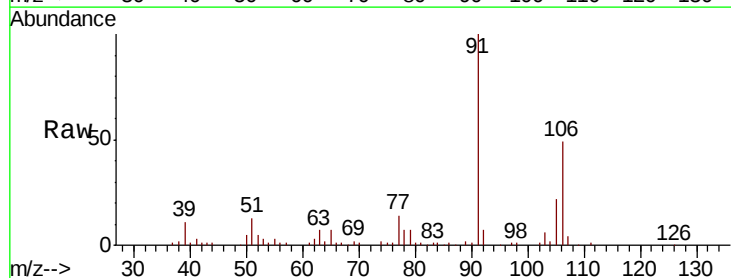
Instrument :
MSVOA_U
ClientSampleId :
B-11(TW-3)

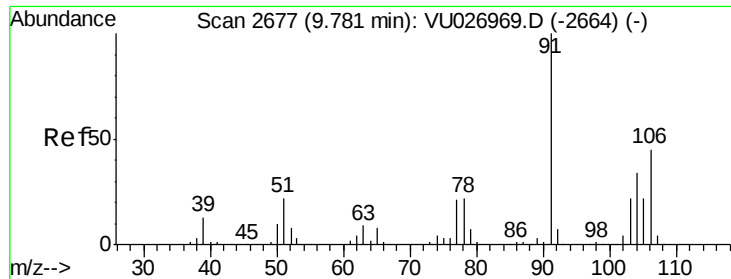
Tot Ion: 91 Resp: 27460
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8



#68
m/p-Xylenes
Concen: 9.404 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Tgt Ion: 106 Resp: 27873
Ion Ratio Lower Upper
106 100
91 209.7 166.5 249.7

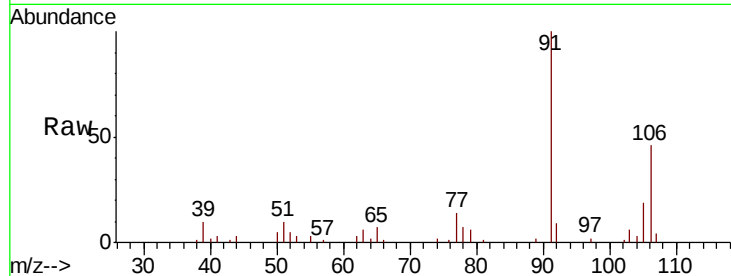




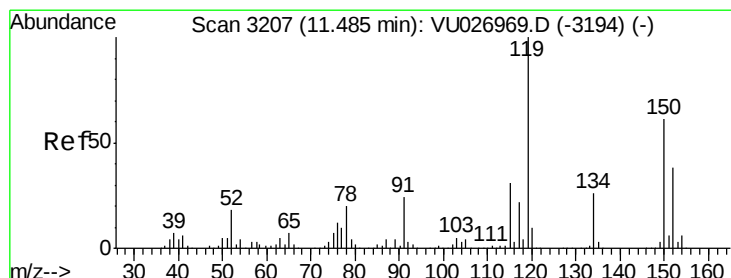
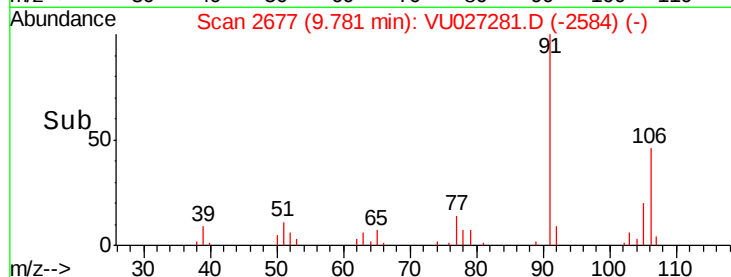
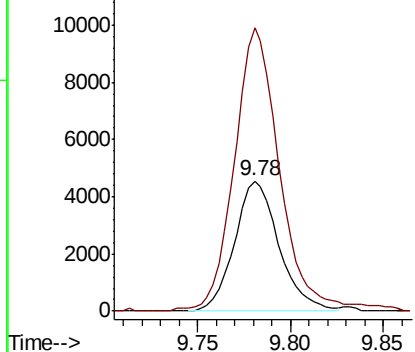
#69
o-Xylene
Concen: 2.501 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Instrument :
MSVOA_U
ClientSampleId :
B-11(TW-3)

Tot Ion:106 Resp: 7602
Ion Ratio Lower Upper
106 100
91 222.9 110.2 330.6

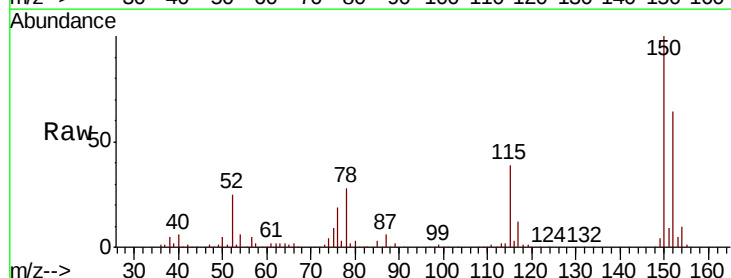


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

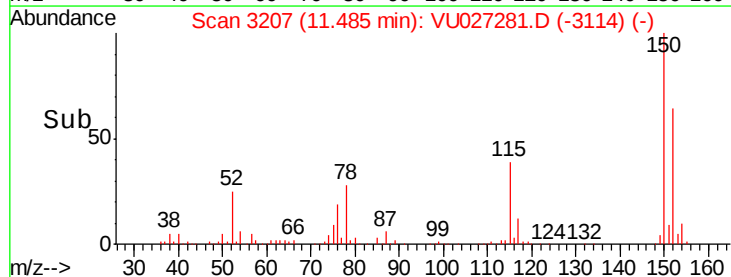
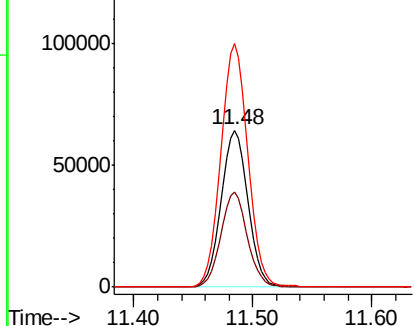


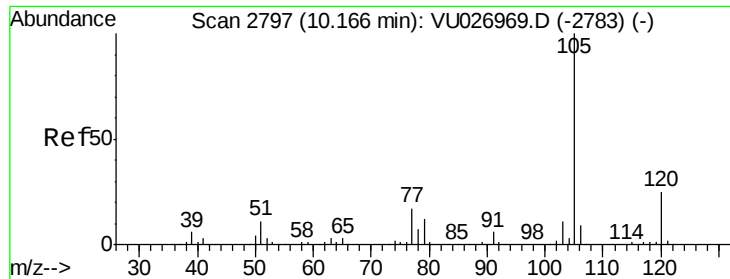
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Tgt Ion:152 Resp: 100715
Ion Ratio Lower Upper
152 100
115 59.8 44.9 134.5
150 156.0 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.360 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027281.D

Acq: 28 Sep 2018 18:58

Instrument :

MSVOA_U

ClientSampleId :

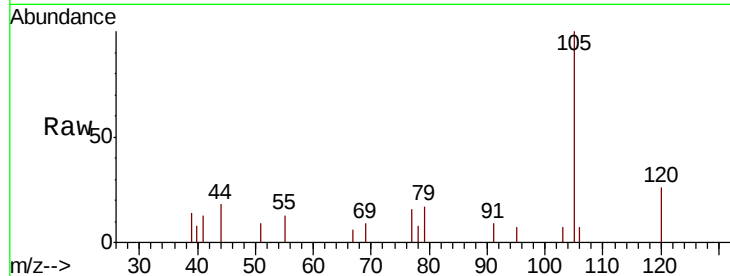
B-11(TW-3)

Tot Ion: 105 Resp: 2756

Ion Ratio Lower Upper

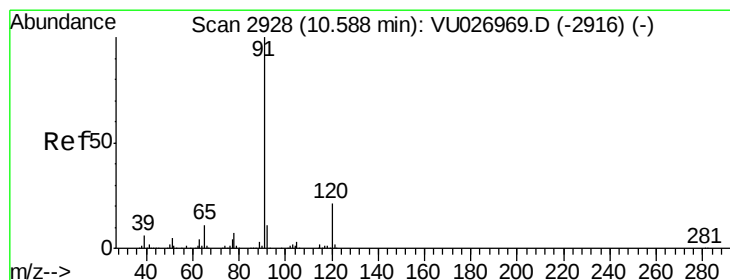
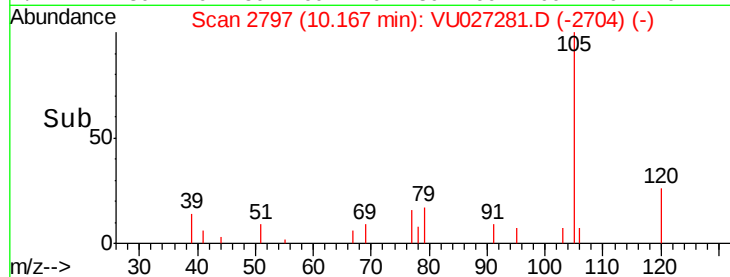
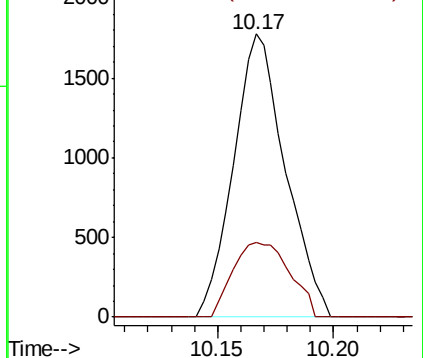
105 100

120 28.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.524 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027281.D

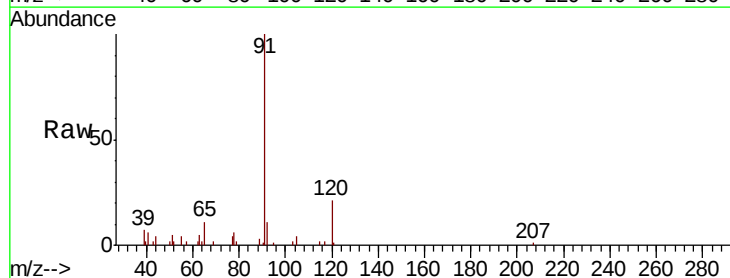
Acq: 28 Sep 2018 18:58

Tgt Ion: 91 Resp: 13819

Ion Ratio Lower Upper

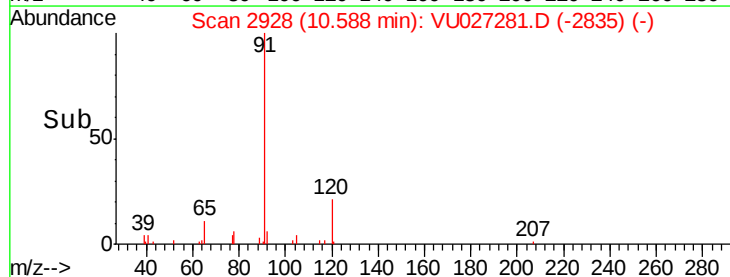
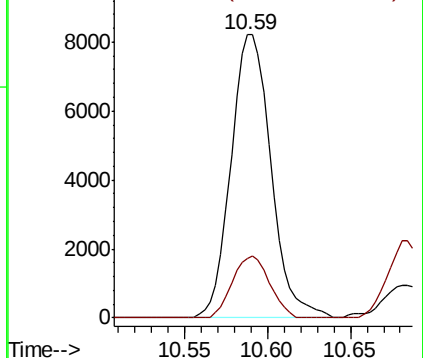
91 100

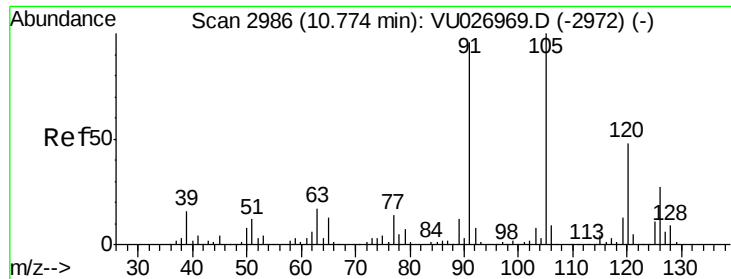
120 20.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

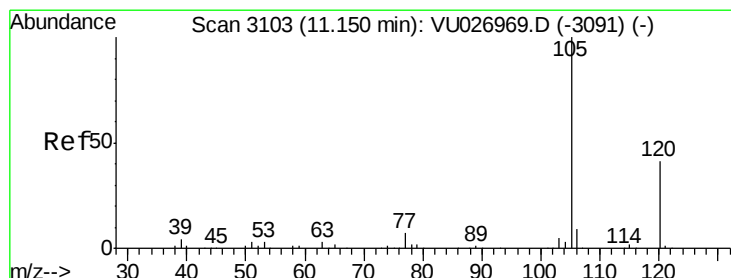
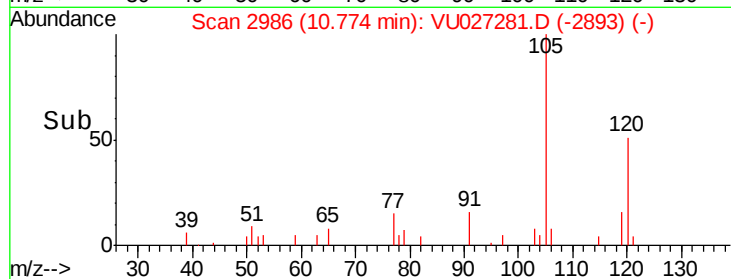
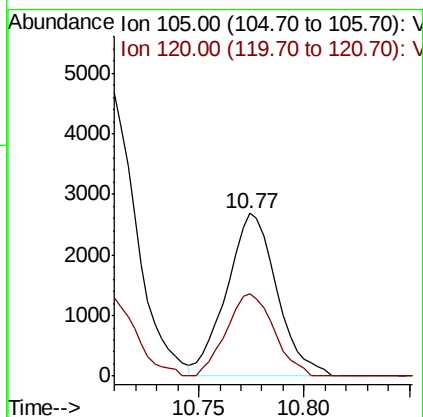
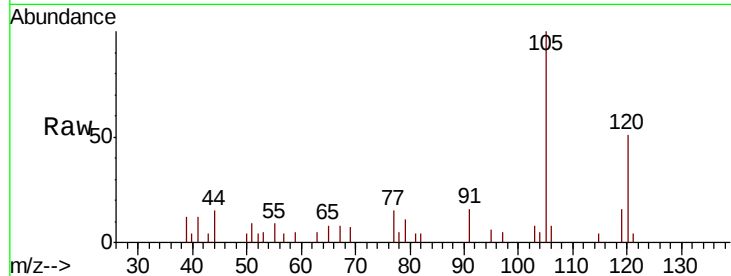




#80
 1,3,5-Trimethylbenzene
 Concen: 0.703 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027281.D
 Acq: 28 Sep 2018 18:58

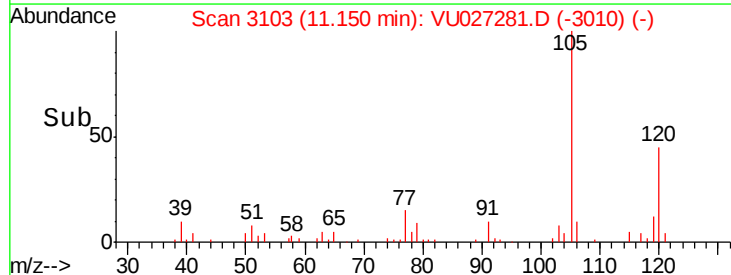
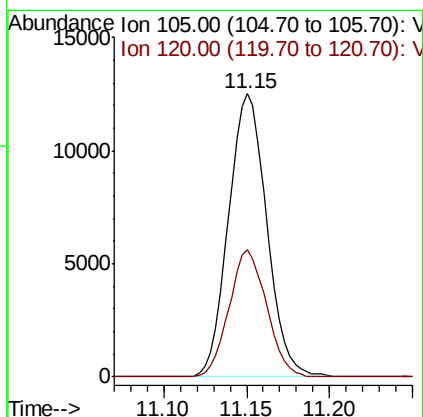
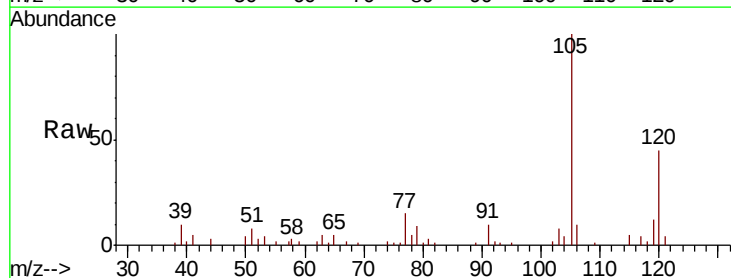
Instrument :
 MSVOA_U
 ClientSampleId :
 B-11(TW-3)

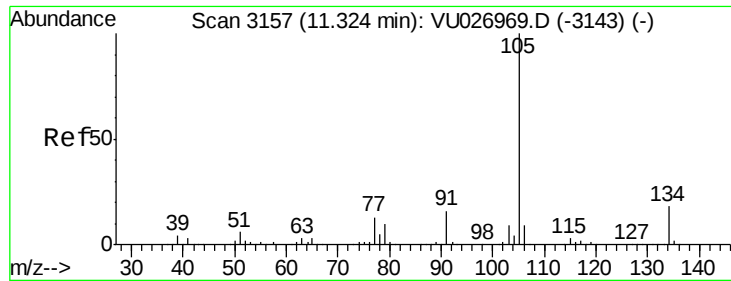
Tot Ion:105 Resp: 4443
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 3.122 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027281.D
 Acq: 28 Sep 2018 18:58

Tgt Ion:105 Resp: 20096
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.2

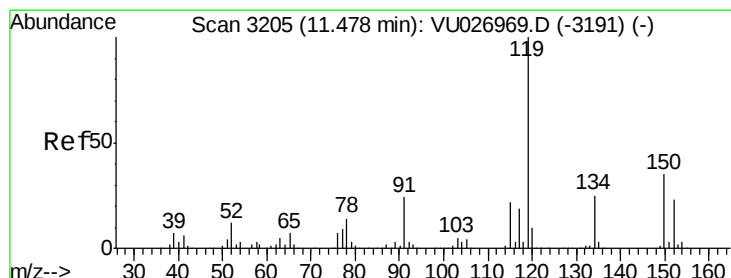
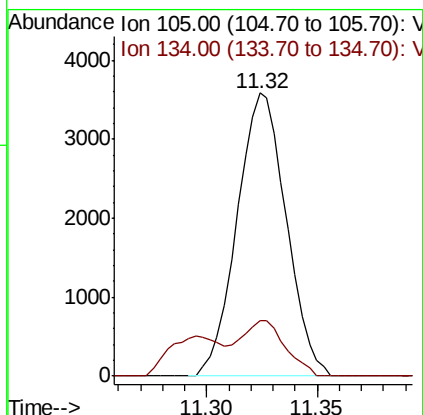
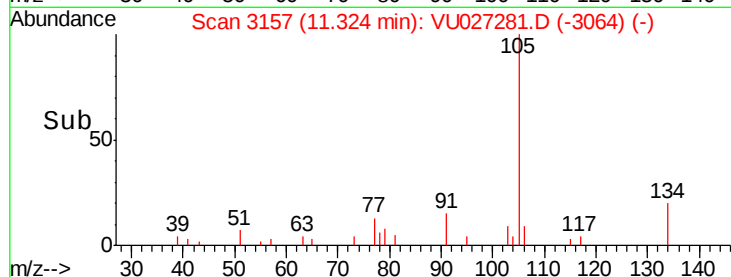
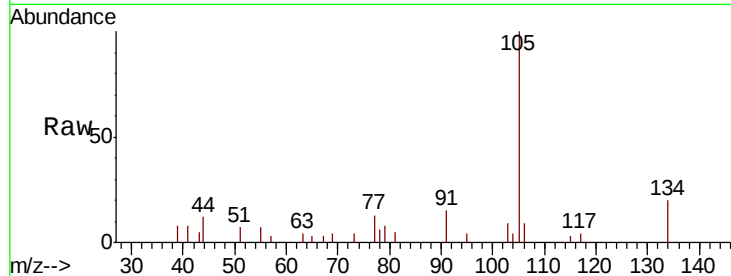




#85
 sec-Butylbenzene
 Concen: 0.727 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027281.D
 Acq: 28 Sep 2018 18:58

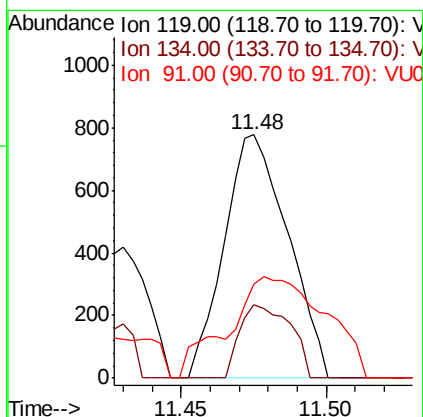
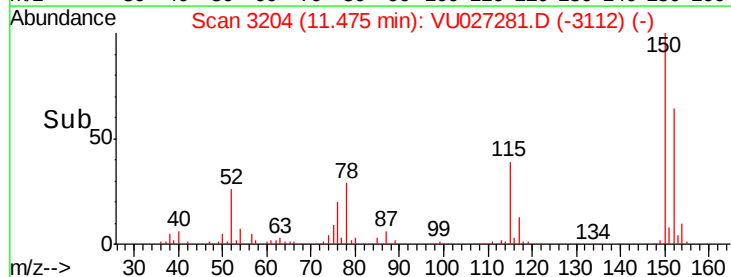
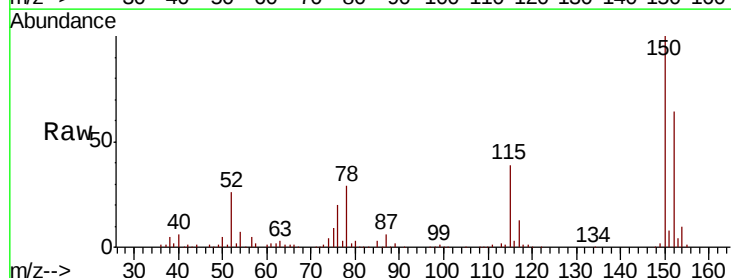
Instrument :
 MSVOA_U
 ClientSampleId :
 B-11(TW-3)

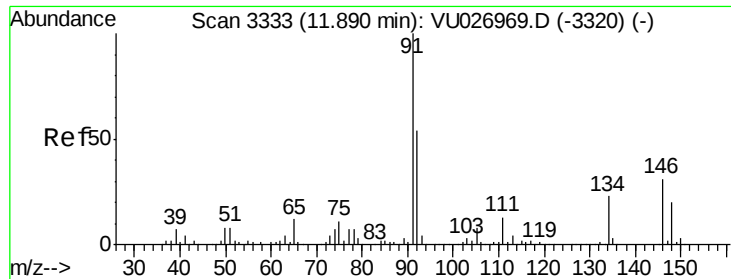
Tot Ion:105 Resp: 5552
 Ion Ratio Lower Upper
 105 100
 134 17.0 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 1.090 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027281.D
 Acq: 28 Sep 2018 18:58

Tgt Ion:119 Resp: 1188
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.8 38.3
 91 63.6 12.3 36.8#

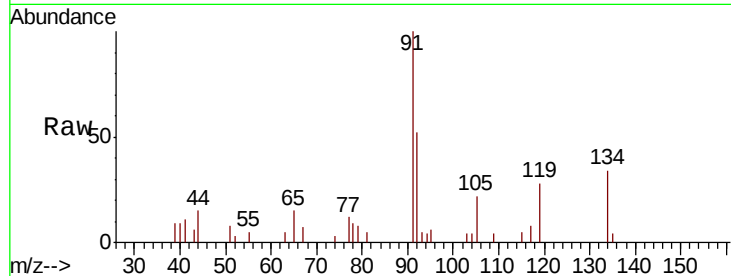




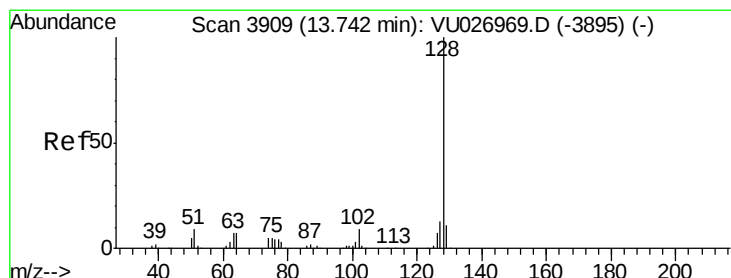
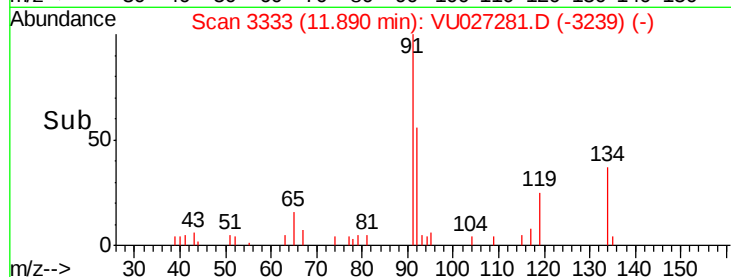
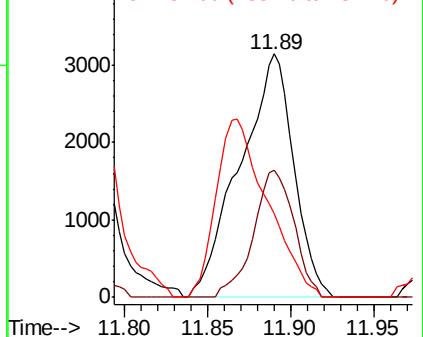
#89
n-Butylbenzene
Concen: 3.363 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Instrument :
MSVOA_U
ClientSampleId :
B-11(TW-3)

Tot Ion: 91 Resp: 7074
Ion Ratio Lower Upper
91 100
92 39.2 27.1 81.2
134 0.0 11.7 35.0#

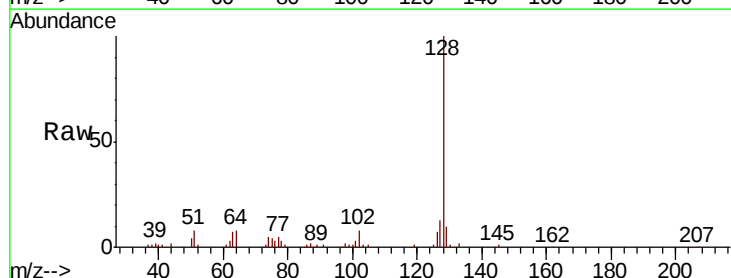


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V



#95
Naphthalene
Concen: 7.276 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027281.D
Acq: 28 Sep 2018 18:58

Tgt Ion: 128 Resp: 48211
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

