

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
 Data File : VU027542.D
 Acq On : 09 Oct 2018 23:29
 Operator : MD/SY
 Sample : J5165-23
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-B

Quant Time: Oct 10 07:56:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	137936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	227787	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	201147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92109	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	105563	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
35) Dibromofluoromethane	4.89	113	75750	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	7.57	98	290019	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.31	95	101933	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

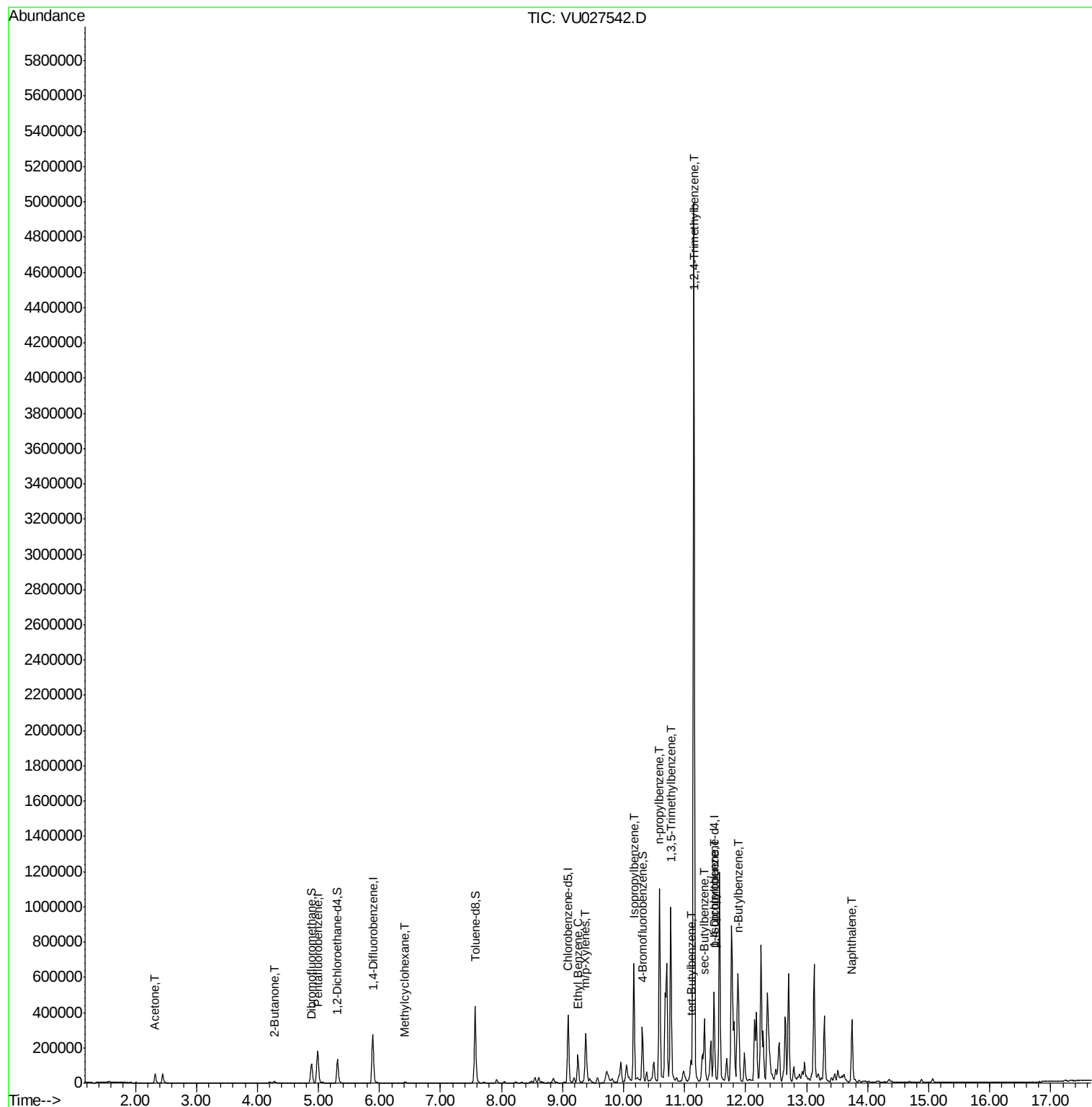
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	56659	41.640	ug/l	99
25) 2-Butanone	4.28	43	15006	8.087	ug/l	98
39) Methylcyclohexane	6.42	83	2736	0.946	ug/l	99
67) Ethyl Benzene	9.25	91	101773	13.567	ug/l	100
68) m/p-Xylenes	9.38	106	65392	23.832	ug/l	99
73) Isopropylbenzene	10.17	105	424161	63.405	ug/l	99
78) n-propylbenzene	10.59	91	823846	102.487	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	516048	94.749	ug/l	100
83) tert-Butylbenzene	11.10	119	46158	8.766	ug/l	91
84) 1,2,4-Trimethylbenzene	11.15	105	2573678	462.598	ug/l	100
85) sec-Butylbenzene	11.32	105	223830	33.739	ug/l	100
86) p-Isopropyltoluene	11.48	119	80543	14.180	ug/l	99
89) n-Butylbenzene	11.89	91	160860	27.596	ug/l #	50
95) Naphthalene	13.74	128	260725	37.857	ug/l	99

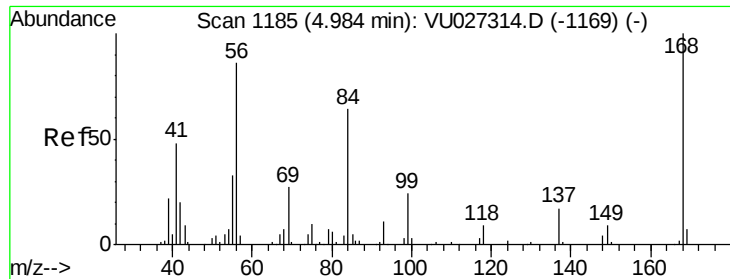
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027542.D

Acq: 09 Oct 2018 23:29

Instrument :

MSVOA_U

ClientSampled :

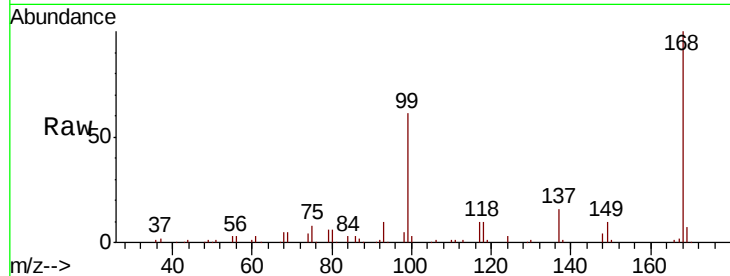
EP1-MW-B

Tot Ion:168 Resp: 137936

Ion Ratio Lower Upper

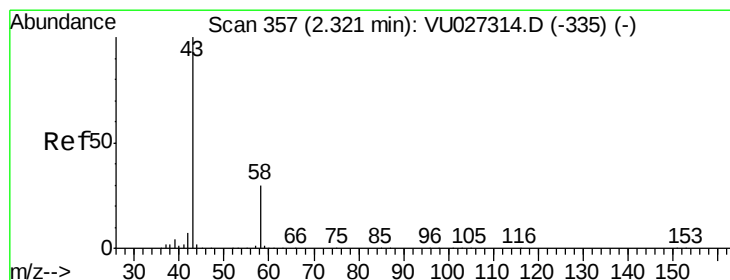
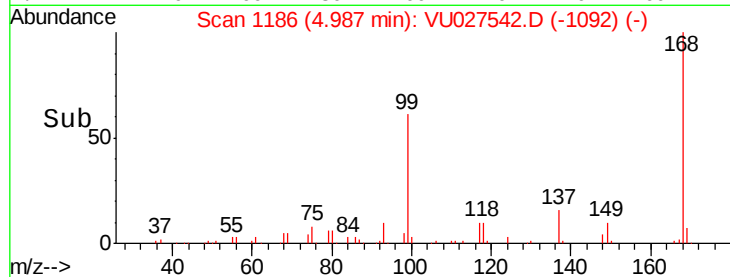
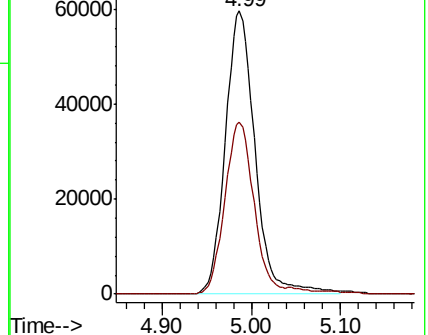
168 100

99 60.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#16

Acetone

Concen: 41.640 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027542.D

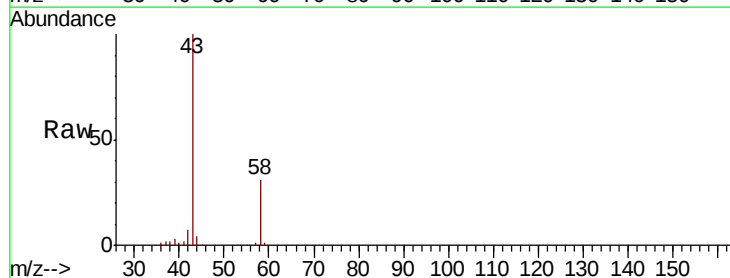
Acq: 09 Oct 2018 23:29

Tgt Ion: 43 Resp: 56659

Ion Ratio Lower Upper

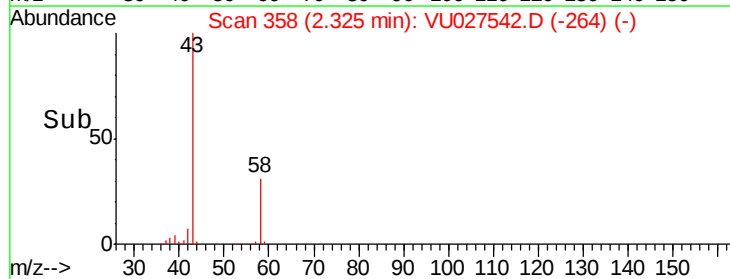
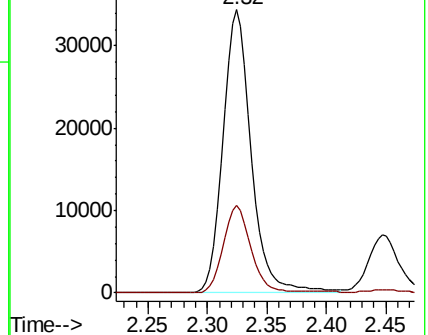
43 100

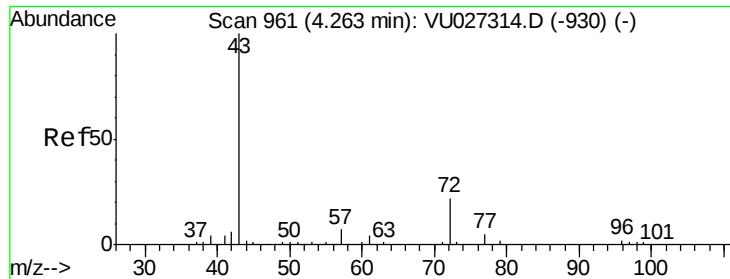
58 30.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)





#25

2-Butanone

Concen: 8.087 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU027542.D

Acq: 09 Oct 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

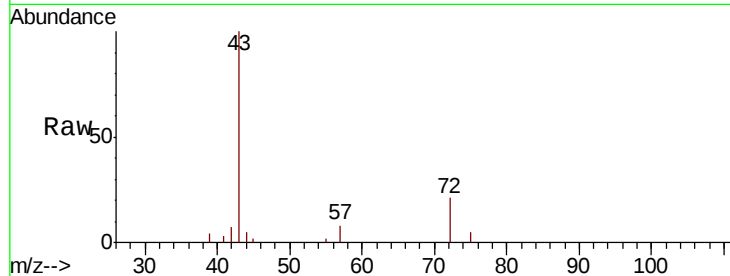
EP1-MW-B

Tot Ion: 43 Resp: 15006

Ion Ratio Lower Upper

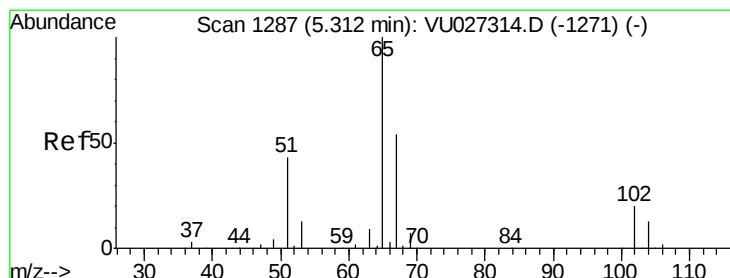
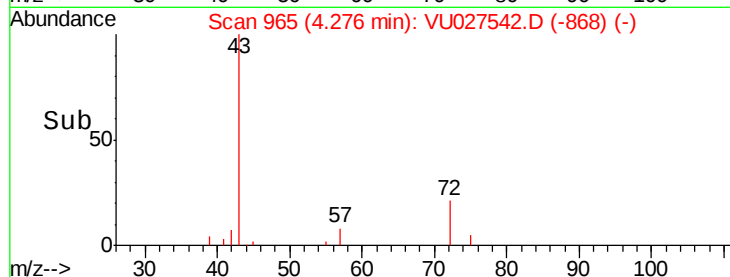
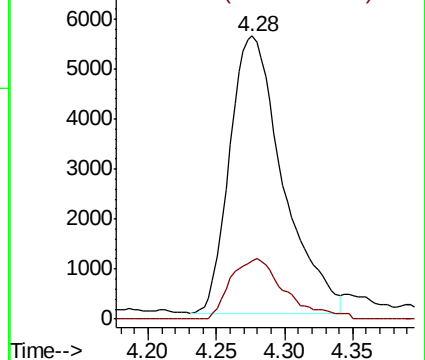
43 100

72 21.1 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 45.831 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027542.D

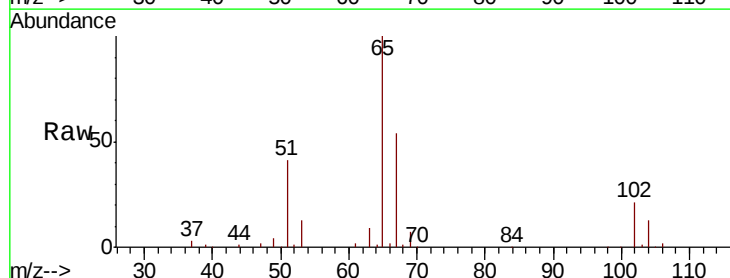
Acq: 09 Oct 2018 23:29

Tgt Ion: 65 Resp: 105563

Ion Ratio Lower Upper

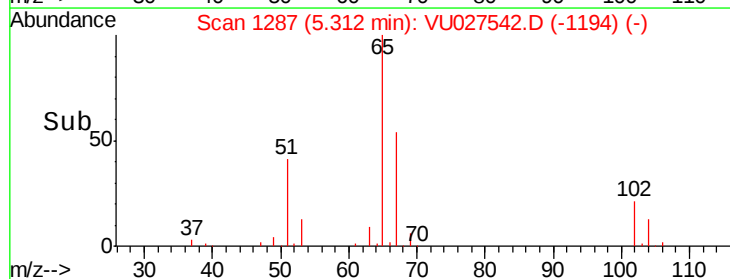
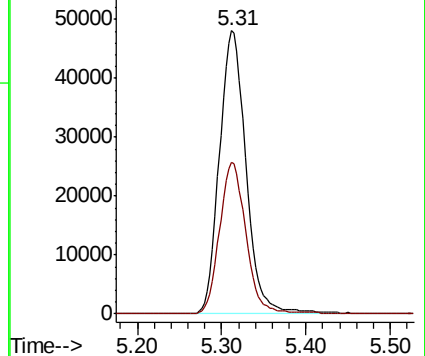
65 100

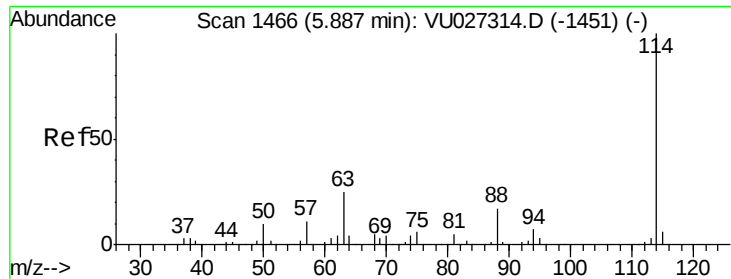
67 53.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

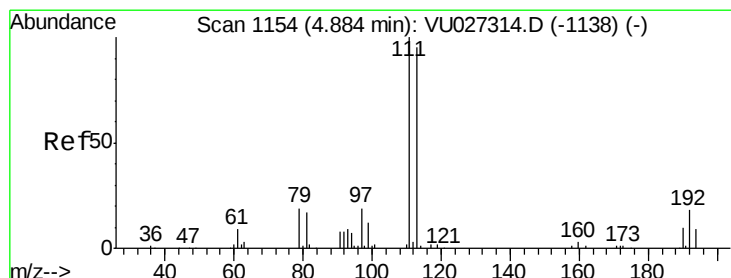
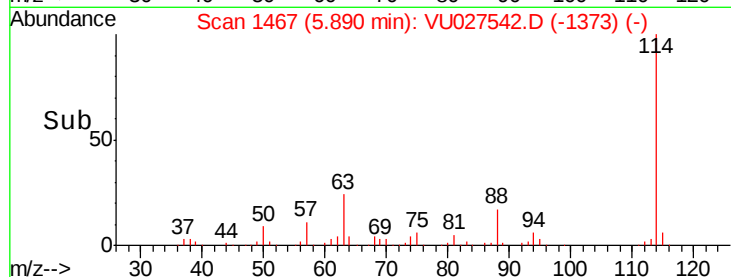
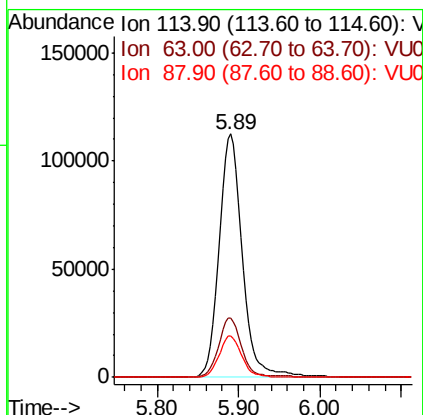
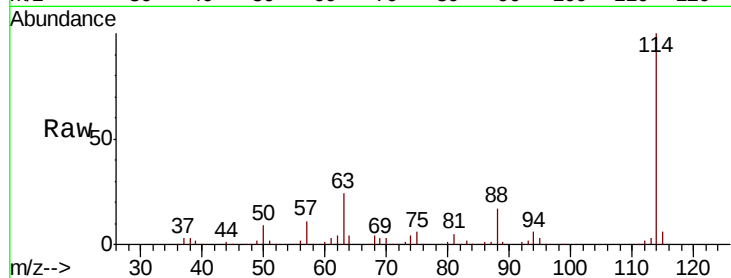




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027542.D
 Acq: 09 Oct 2018 23:29

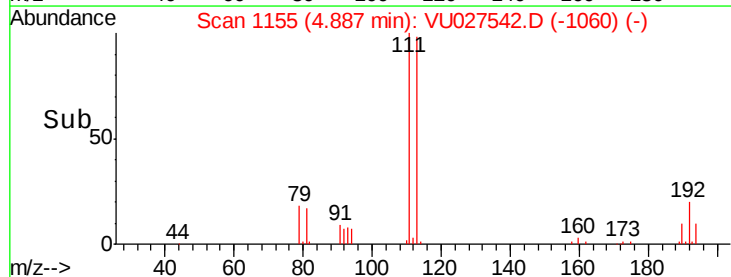
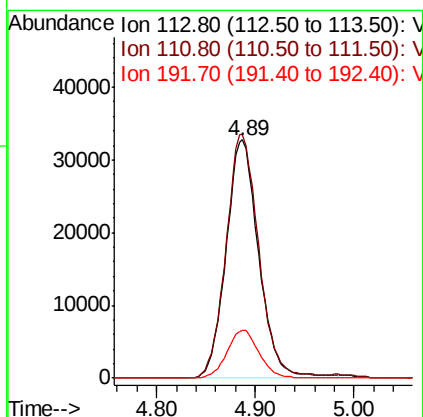
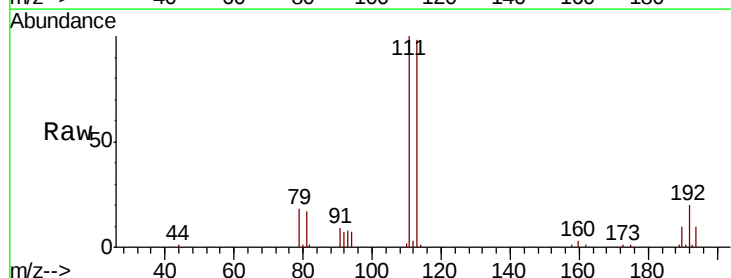
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-B

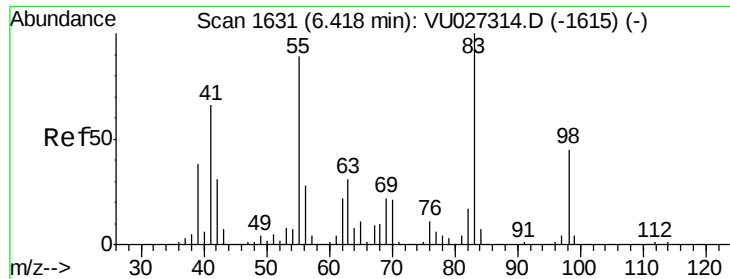
Tot Ion:114 Resp: 227787
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.2
 88 17.1 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.524 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027542.D
 Acq: 09 Oct 2018 23:29

Tgt Ion:113 Resp: 75750
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.1 124.7
 192 19.6 15.4 23.0

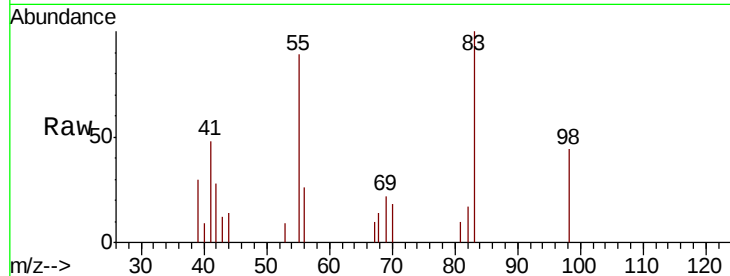




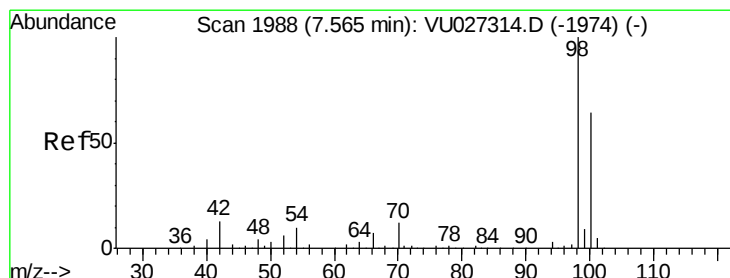
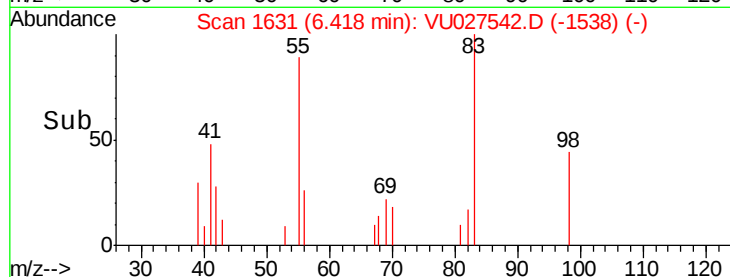
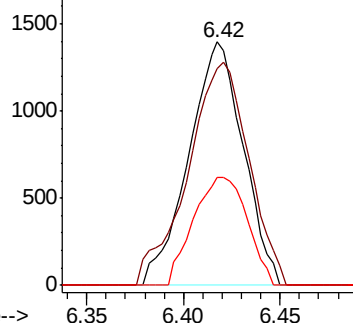
#39
Methvlcvclohexane
Concen: 0.946 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027542.D
Acq: 09 Oct 2018 23:29

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-B

Tot Ion: 83 Resp: 2736
Ion Ratio Lower Upper
83 100
55 89.0 71.1 106.7
98 44.2 36.3 54.5

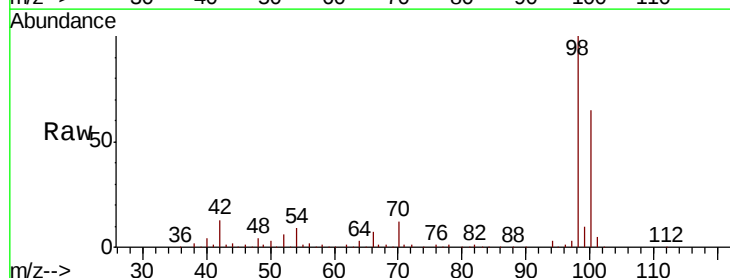


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

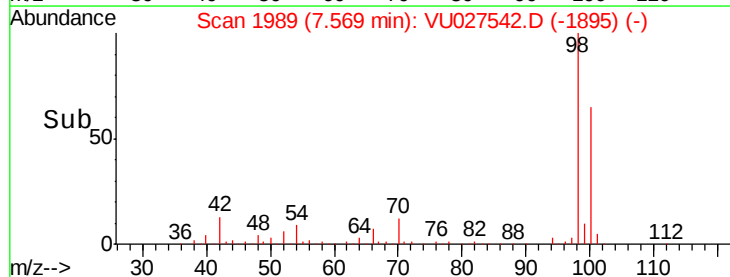
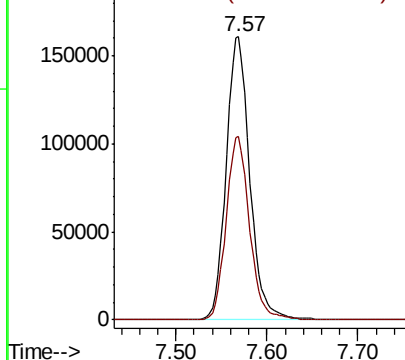


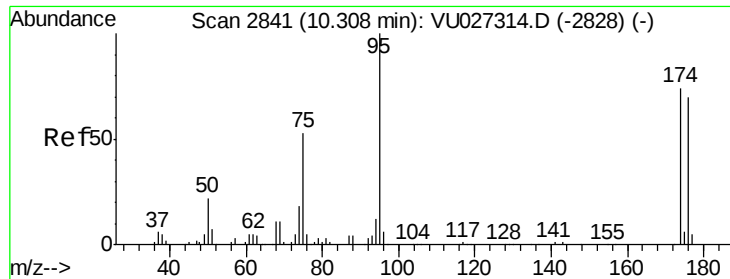
#50
Toluene-d8
Concen: 49.638 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027542.D
Acq: 09 Oct 2018 23:29

Tgt Ion: 98 Resp: 290019
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



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

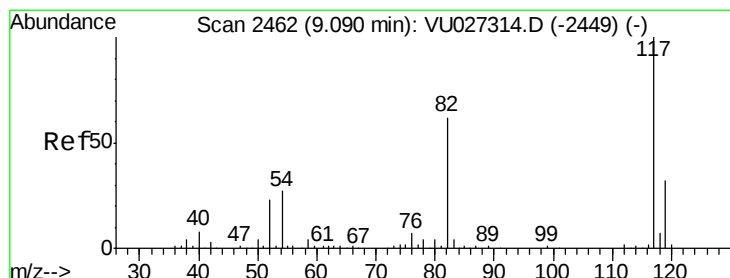
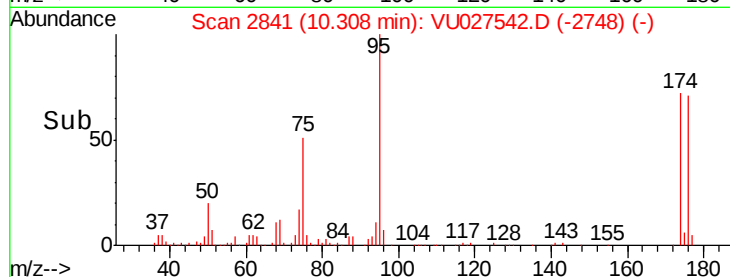
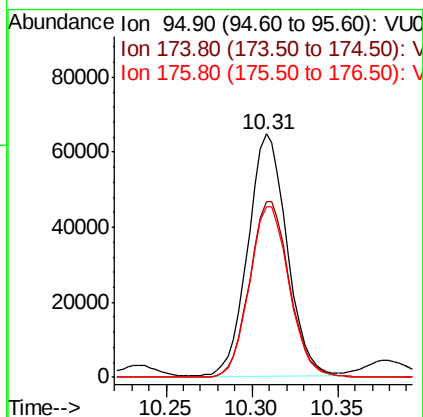
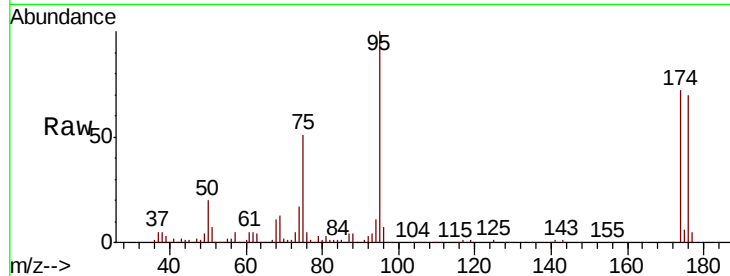




#62
 4-Bromofluorobenzene
 Concen: 46.944 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027542.D
 Acq: 09 Oct 2018 23:29

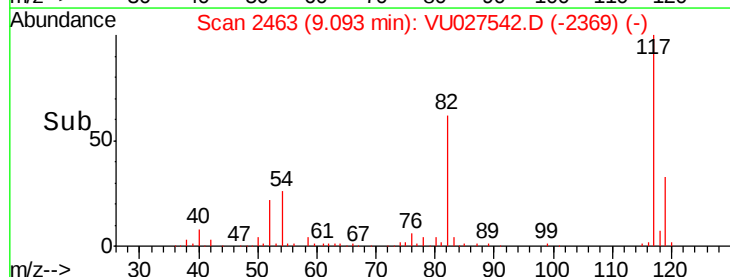
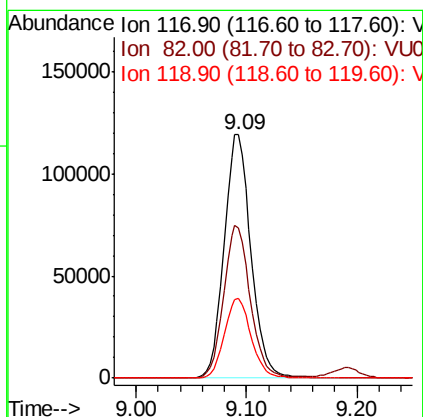
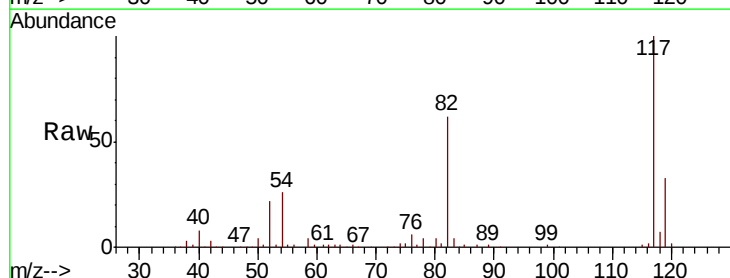
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-B

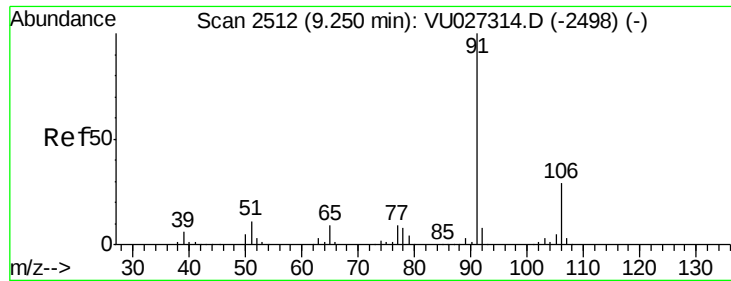
Tot Ion: 95 Resp: 101933
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 147.8
 176 71.8 0.0 140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027542.D
 Acq: 09 Oct 2018 23:29

Tgt Ion: 117 Resp: 201147
 Ion Ratio Lower Upper
 117 100
 82 61.6 49.2 73.8
 119 32.6 25.7 38.5

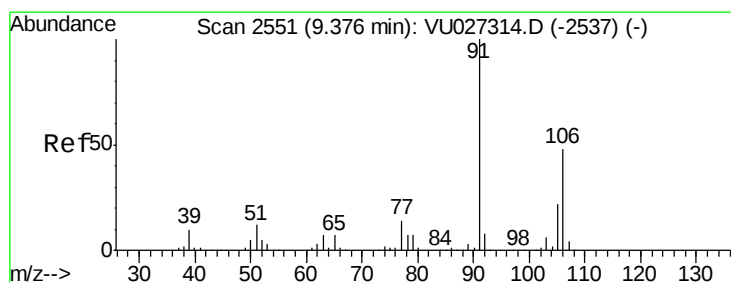
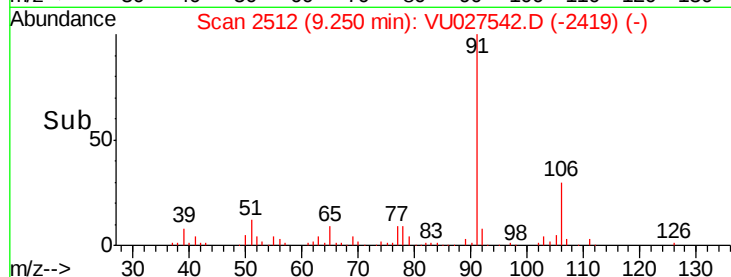
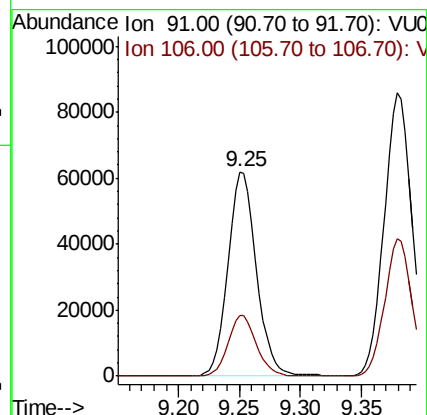
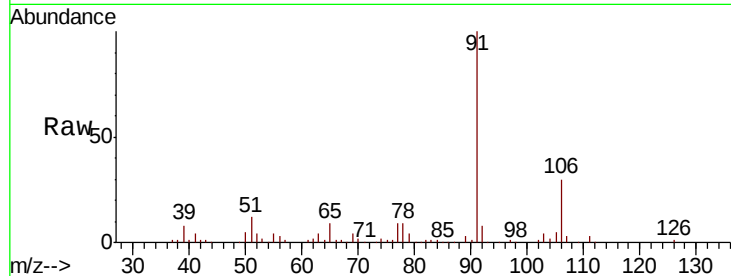




#67
Ethyl Benzene
Concen: 13.567 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027542.D
Acq: 09 Oct 2018 23:29

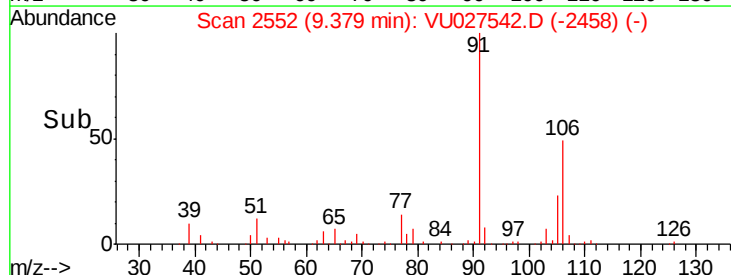
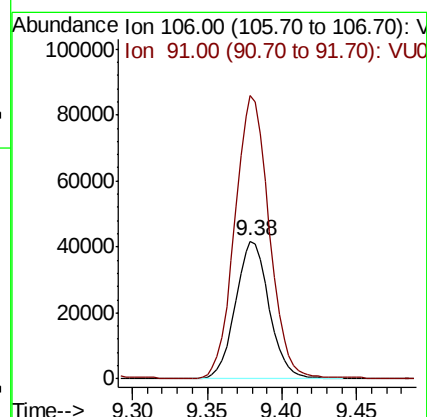
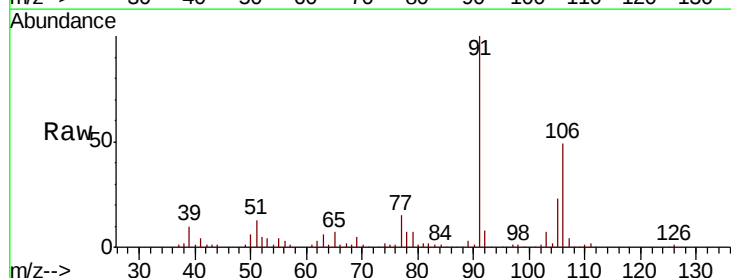
Instrument :
MSVOA_U
ClientSampleID :
EP1-MW-B

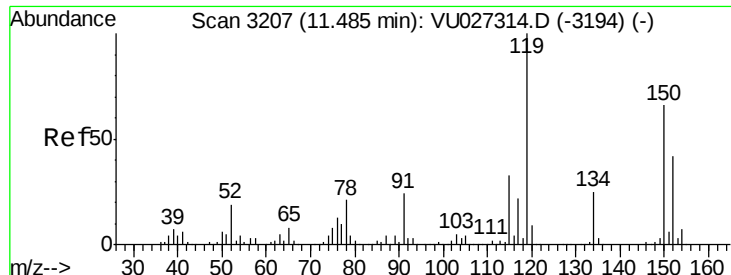
Tot Ion: 91 Resp: 101773
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4



#68
m/p-Xylenes
Concen: 23.832 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027542.D
Acq: 09 Oct 2018 23:29

Tgt Ion: 106 Resp: 65392
Ion Ratio Lower Upper
106 100
91 212.3 168.1 252.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027542.D

Acq: 09 Oct 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-B

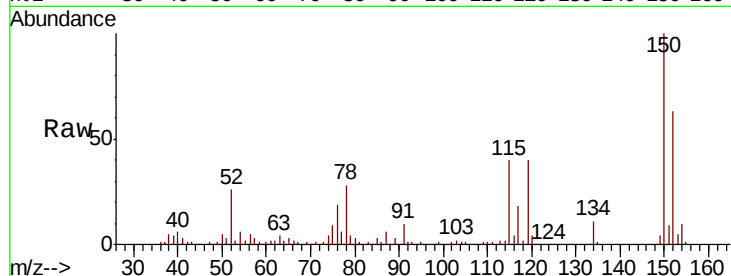
Tot Ion:152 Resp: 92109

Ion Ratio Lower Upper

152 100

115 66.7 43.4 130.2

150 157.4 0.0 349.2

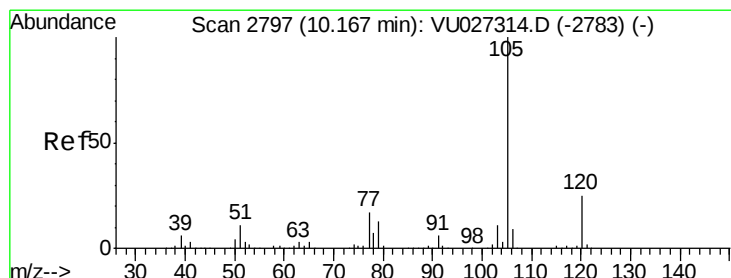
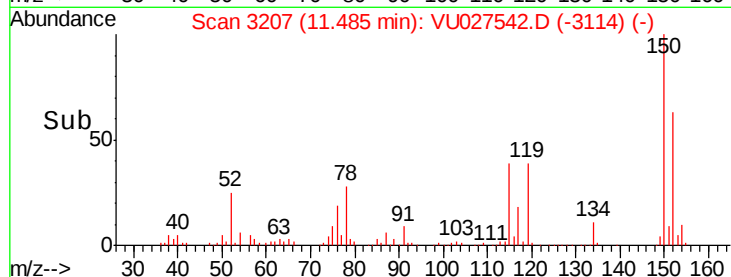
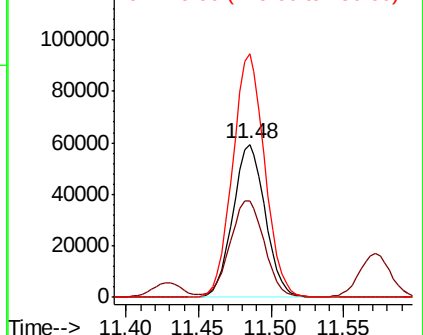


Abundance

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: 63.405 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027542.D

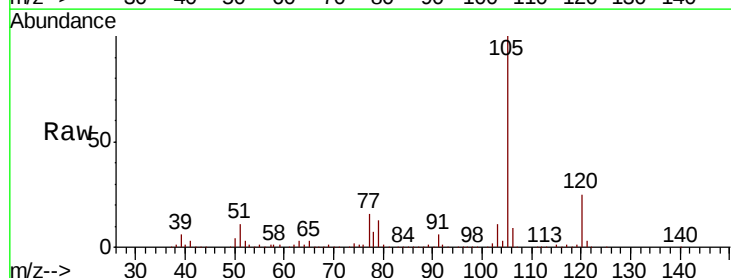
Acq: 09 Oct 2018 23:29

Tgt Ion:105 Resp: 424161

Ion Ratio Lower Upper

105 100

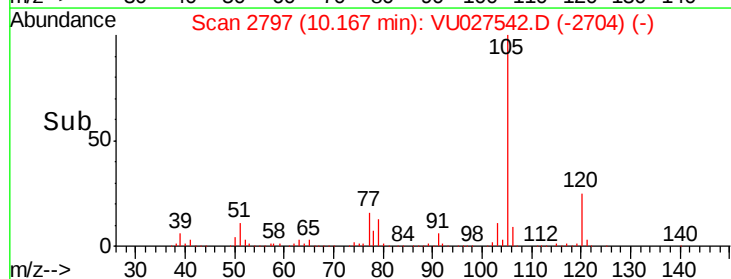
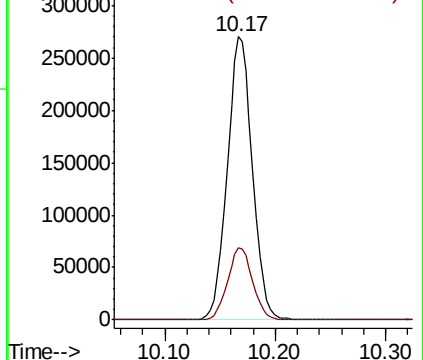
120 25.6 12.6 37.8

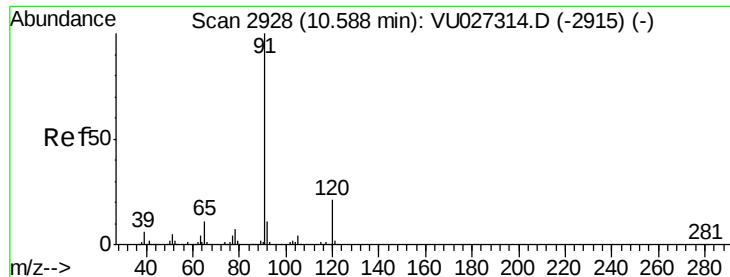


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 102.487 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027542.D

Acq: 09 Oct 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

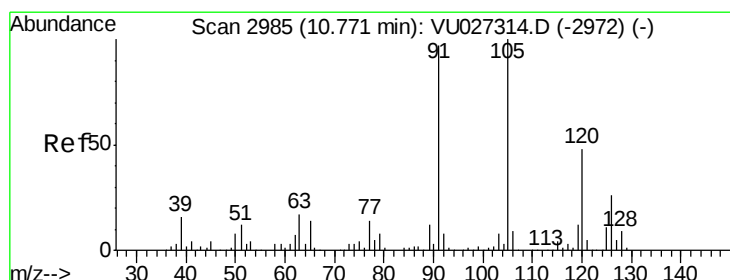
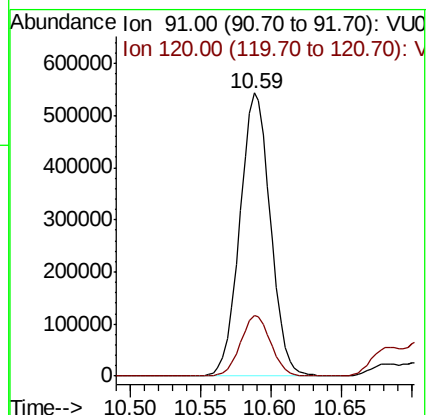
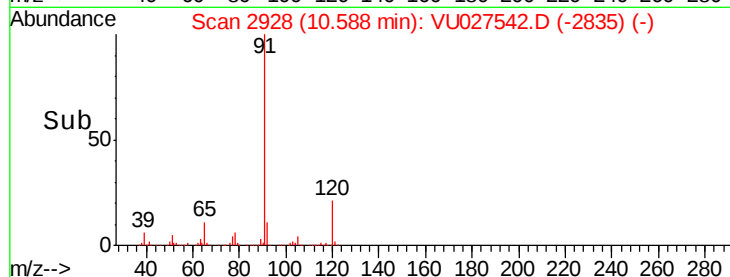
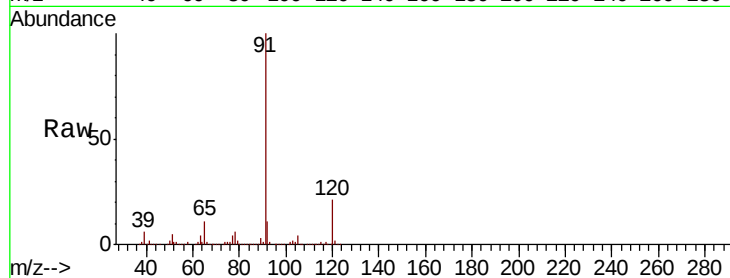
EP1-MW-B

Tot Ion: 91 Resp: 823846

Ion Ratio Lower Upper

91 100

120 21.3 10.6 31.8



#80

1,3,5-Trimethylbenzene

Concen: 94.749 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027542.D

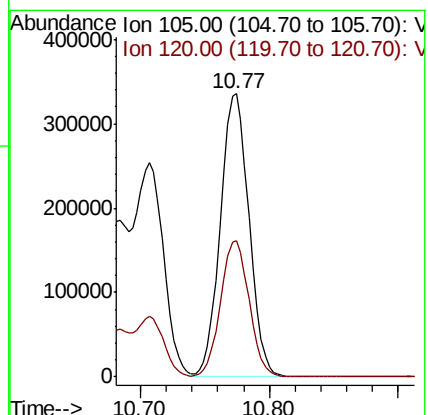
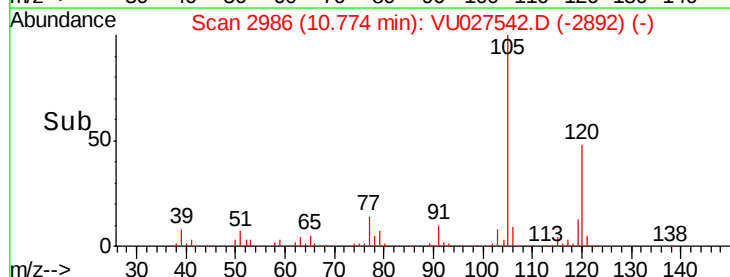
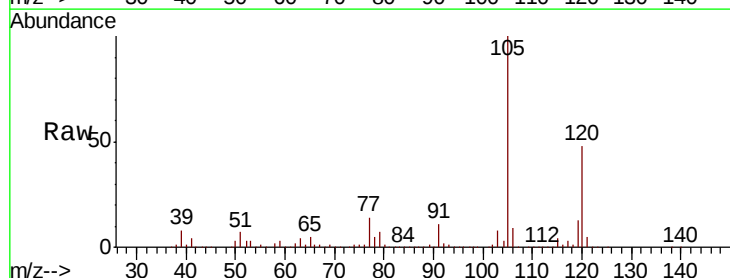
Acq: 09 Oct 2018 23:29

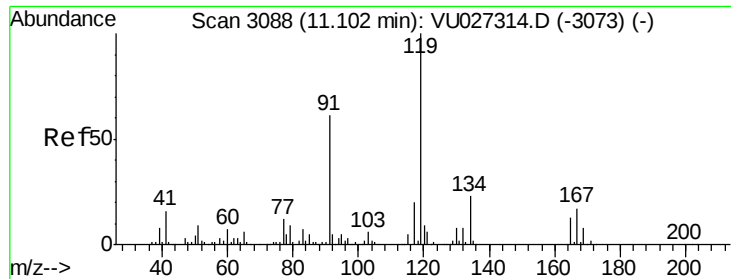
Tgt Ion: 105 Resp: 516048

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.4





#83

tert-Butylbenzene

Concen: 8.766 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027542.D

Acq: 09 Oct 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-B

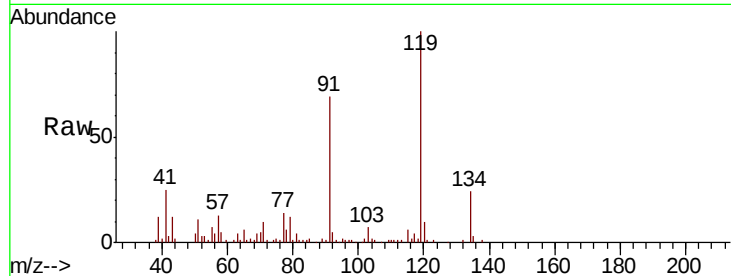
Tot Ion:119 Resp: 46158

Ion Ratio Lower Upper

119 100

91 70.0 30.3 91.0

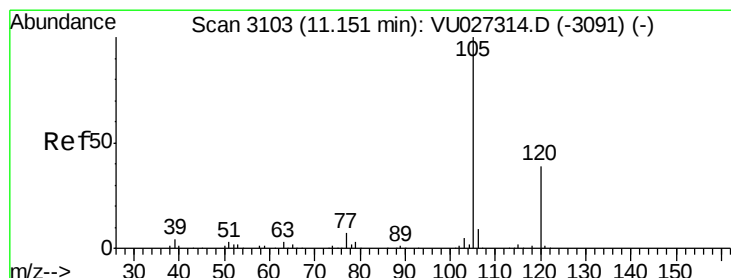
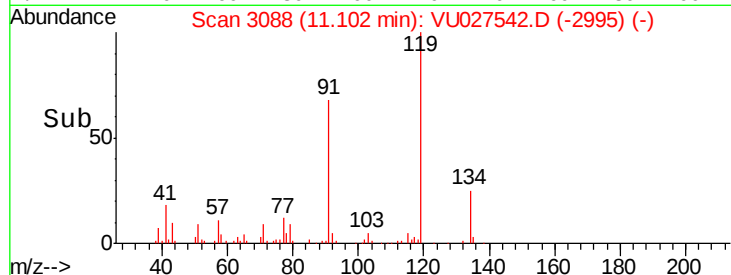
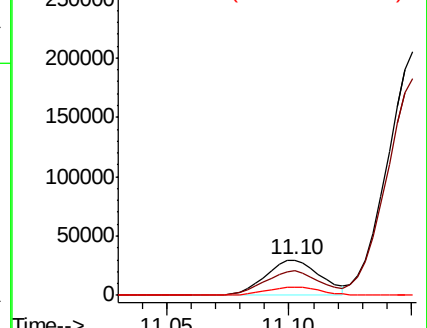
134 23.6 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 462.598 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027542.D

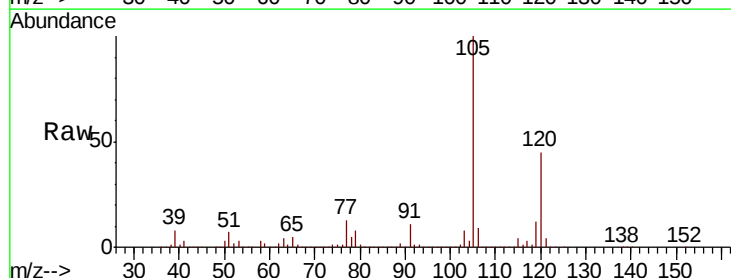
Acq: 09 Oct 2018 23:29

Tgt Ion:105 Resp: 2573678

Ion Ratio Lower Upper

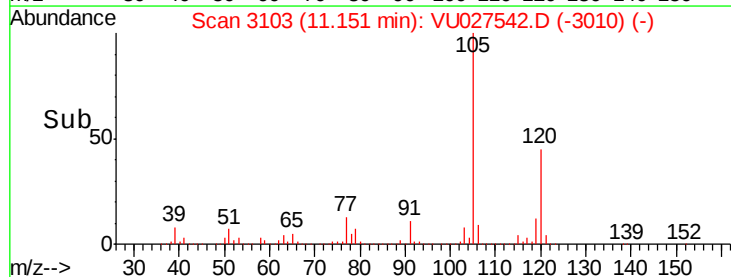
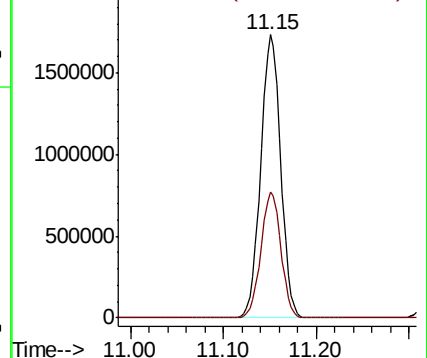
105 100

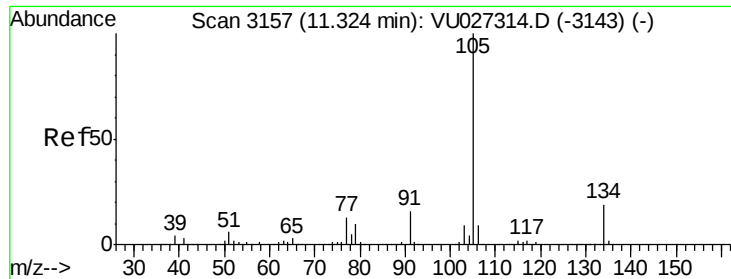
120 44.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

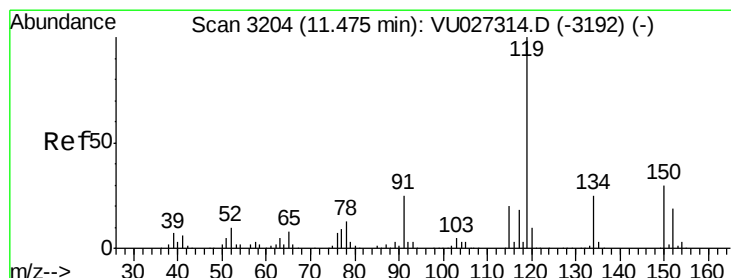
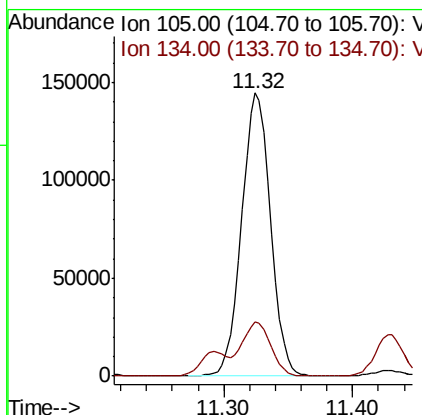
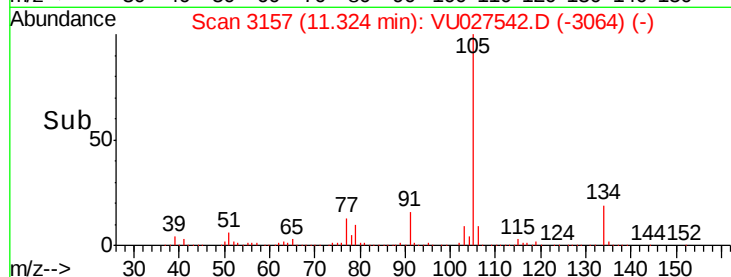
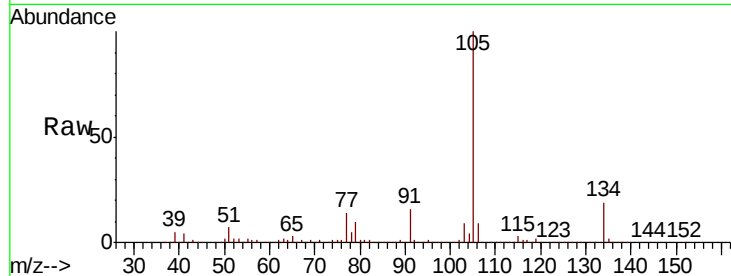




#85
 sec-Butylbenzene
 Concen: 33.739 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027542.D
 Acq: 09 Oct 2018 23:29

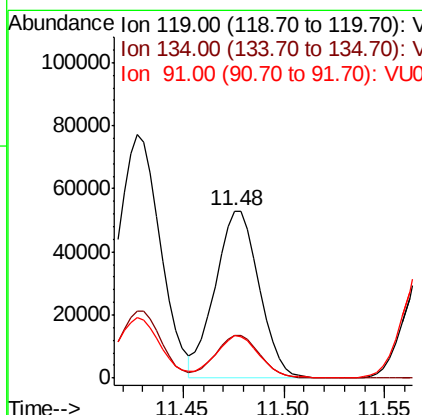
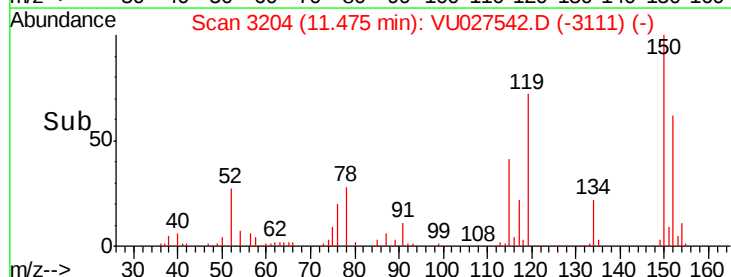
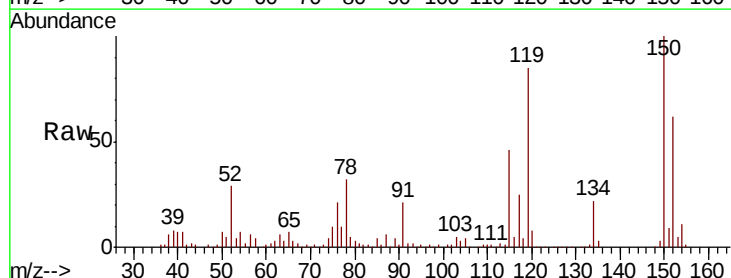
Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-B

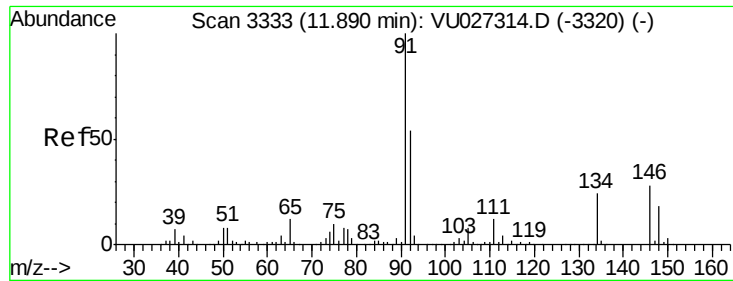
Tot Ion:105 Resp: 223830
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 14.180 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027542.D
 Acq: 09 Oct 2018 23:29

Tgt Ion:119 Resp: 80543
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 24.8 12.2 36.4

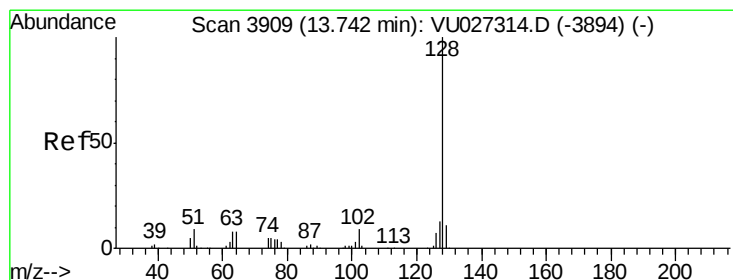
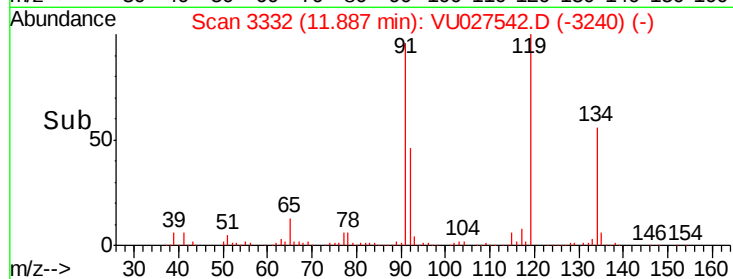
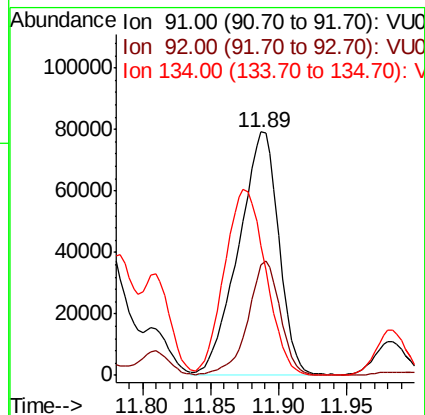
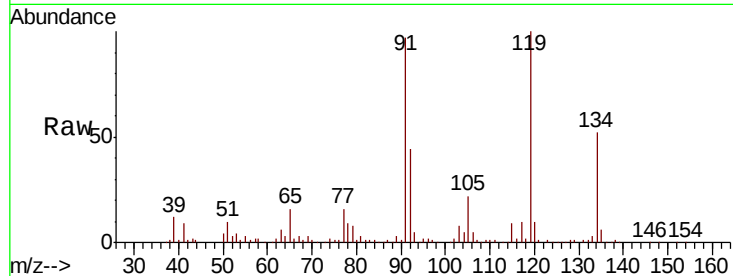




#89
n-Butylbenzene
Concen: 27.596 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU027542.D
Acq: 09 Oct 2018 23:29

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-B

Tot Ion: 91 Resp: 160860
Ion Ratio Lower Upper
91 100
92 38.0 27.0 81.0
134 79.1 11.7 35.1#



#95
Naphthalene
Concen: 37.857 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027542.D
Acq: 09 Oct 2018 23:29

Tgt Ion: 128 Resp: 260725
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 11.2 8.6 12.8

