

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024545.D
 Acq On : 14 Jun 2018 17:16
 Operator : MD/SY
 Sample : J3443-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-7-10.0-061118

Quant Time: Jun 15 09:48:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	170305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	289993	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168449	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	132472	47.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.30%	
35) Dibromofluoromethane	4.89	113	118337	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
50) Toluene-d8	7.57	98	435769	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.31	95	169887	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	

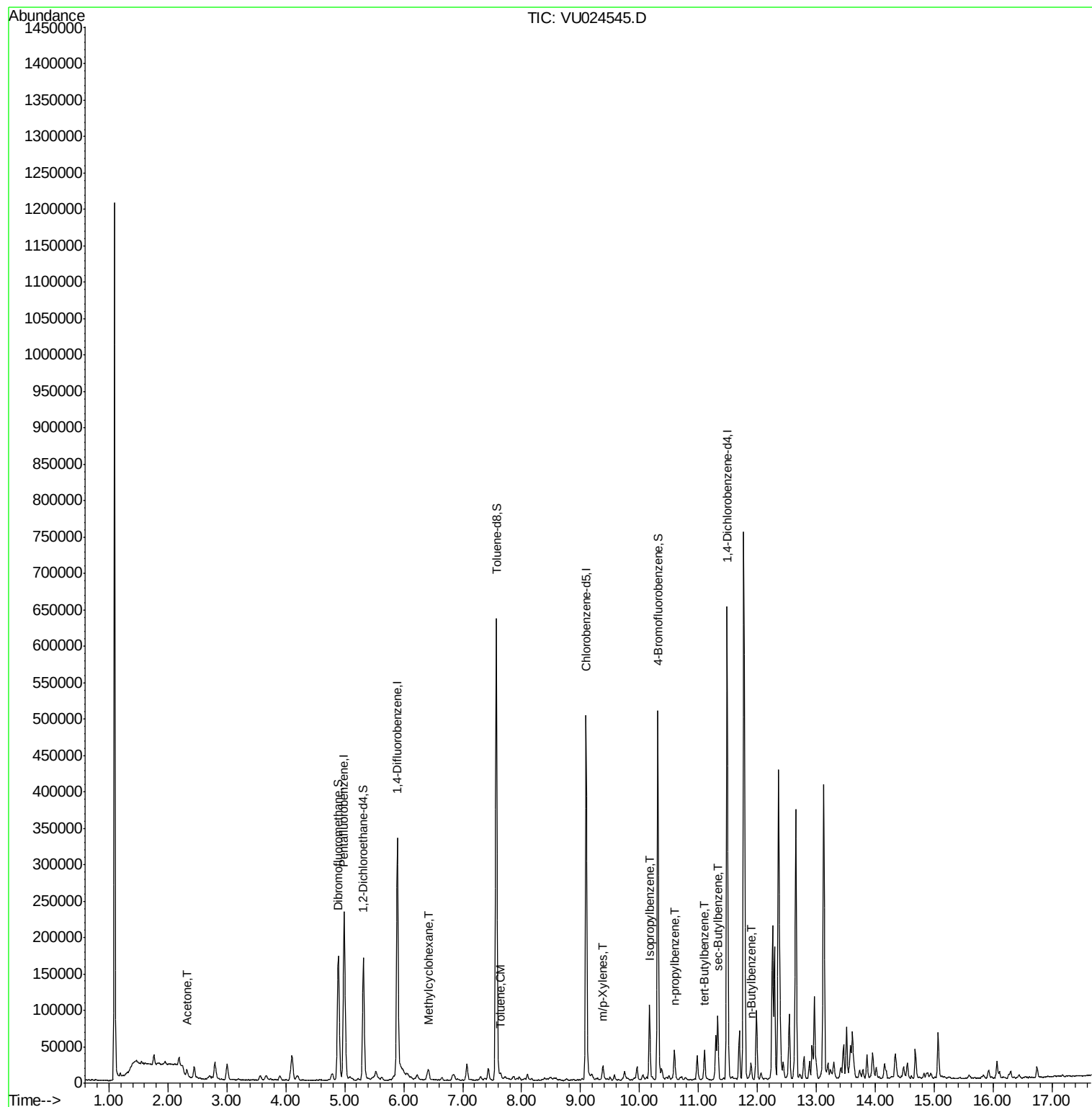
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.33	43	9519	6.372	ug/l	93
39) Methylcyclohexane	6.42	83	5761	1.355	ug/l #	92
52) Toluene	7.64	92	2464	0.394	ug/l	92
68) m/p-Xylenes	9.38	106	4887	0.992	ug/l	97
73) Isopropylbenzene	10.17	105	65800	5.088	ug/l	99
78) n-propylbenzene	10.59	91	32828	2.155	ug/l	98
83) tert-Butylbenzene	11.10	119	18905	1.753	ug/l	88
85) sec-Butylbenzene	11.33	105	57518	4.262	ug/l	98
89) n-Butylbenzene	11.90	91	11463	1.068	ug/l	93

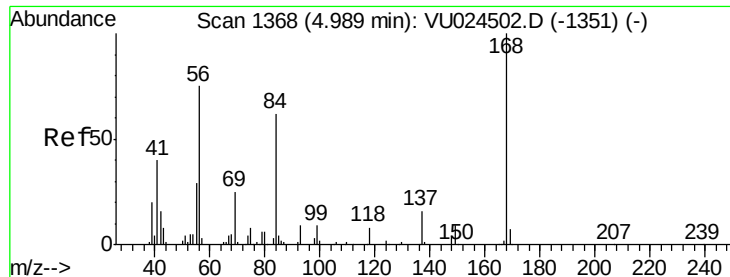
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

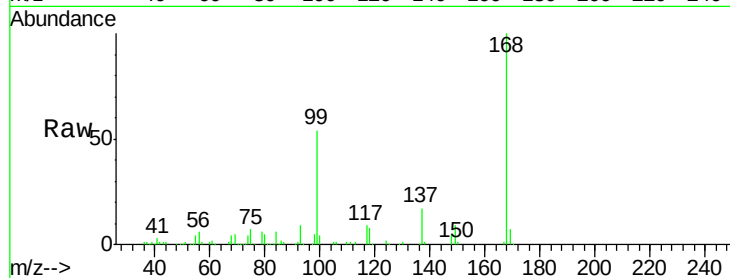
T3-MW-7-10.0-061118

Tot Ion:168 Resp: 170305

Ion Ratio Lower Upper

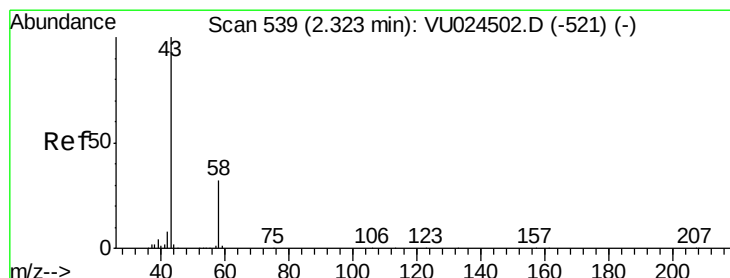
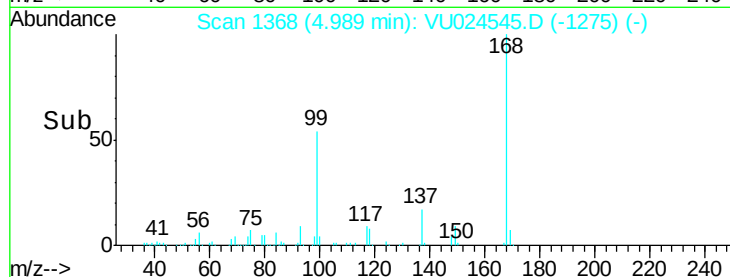
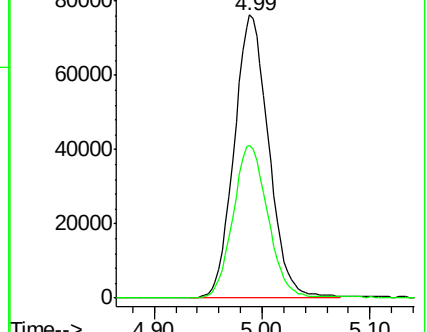
168 100

99 54.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#16

Acetone

Concen: 6.372 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024545.D

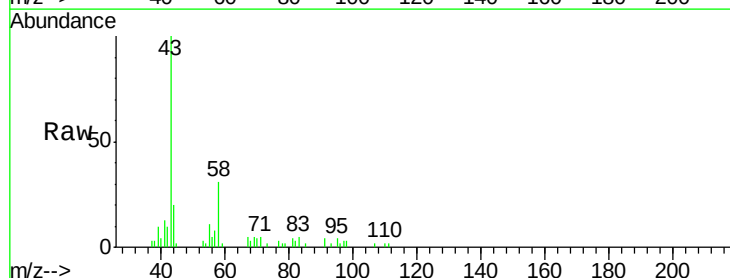
Acq: 14 Jun 2018 17:16

Tgt Ion: 43 Resp: 9519

Ion Ratio Lower Upper

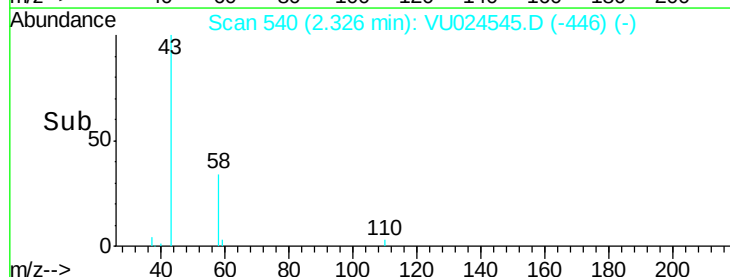
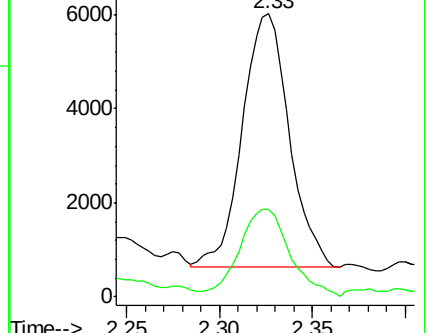
43 100

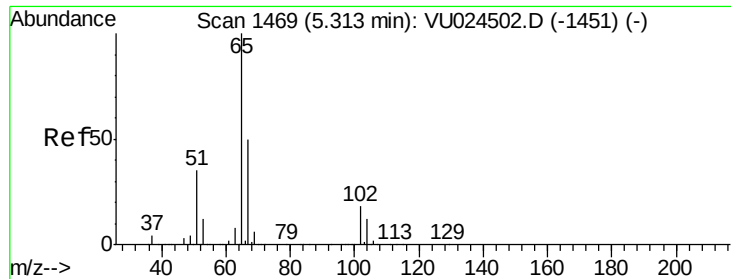
58 34.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)

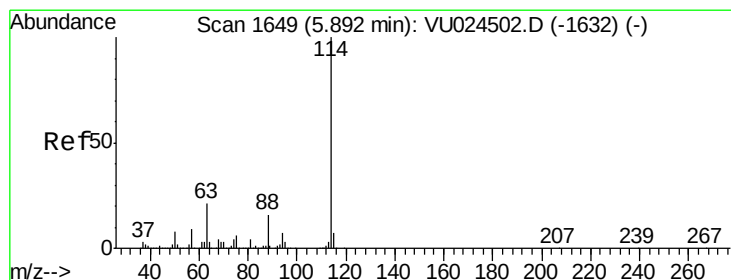
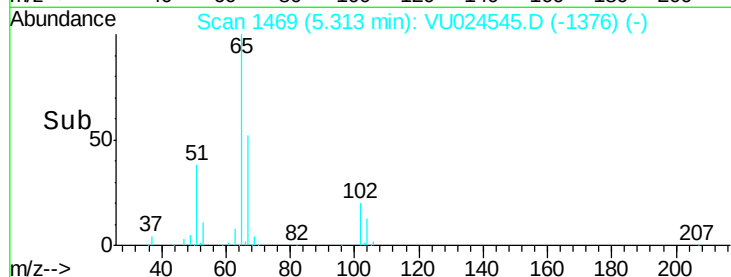
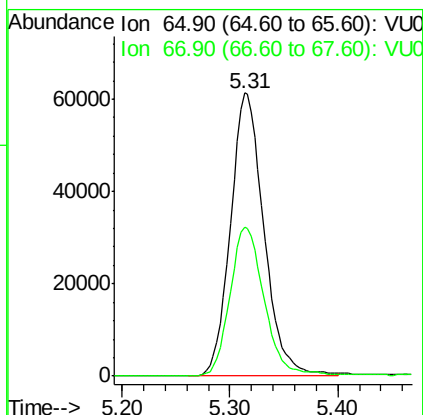
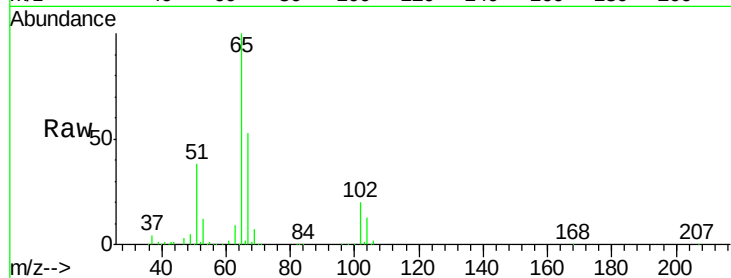




#33
 1,2-Dichloroethane-d4
 Concen: 47.647 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024545.D
 Acq: 14 Jun 2018 17:16

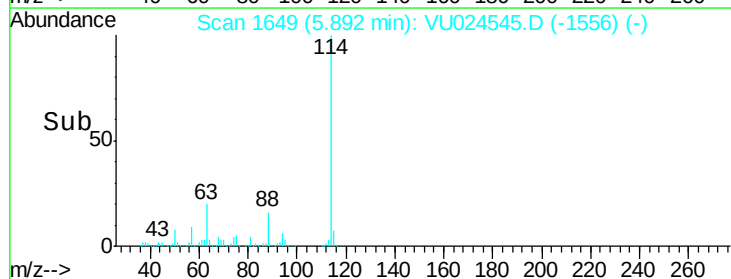
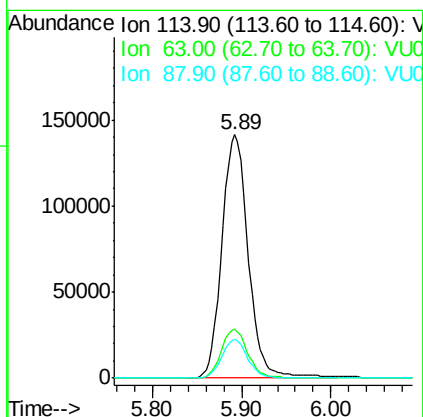
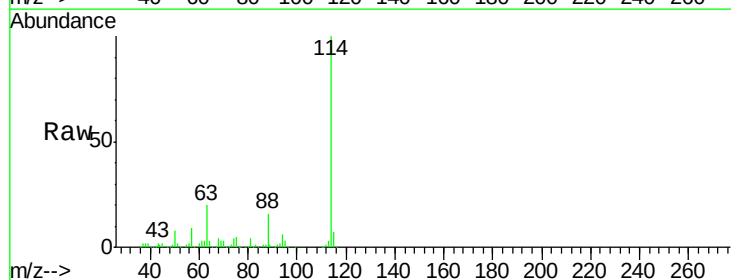
Instrument :
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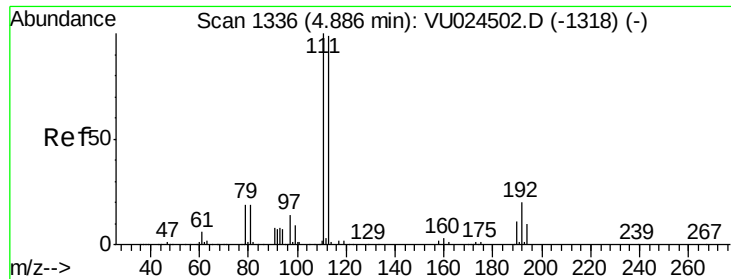
Tot Ion: 65 Resp: 132472
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024545.D
 Acq: 14 Jun 2018 17:16

Tgt Ion: 114 Resp: 289993
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 45.4
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.169 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-7-10.0-061118

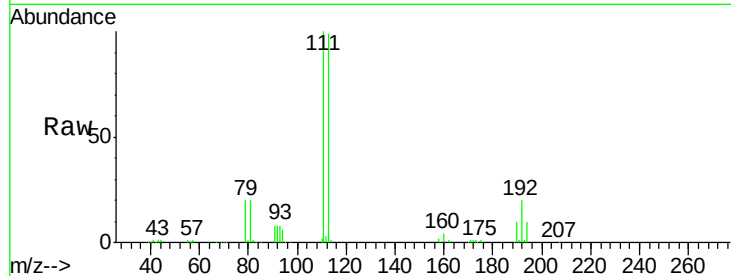
Tot Ion:113 Resp: 118337

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

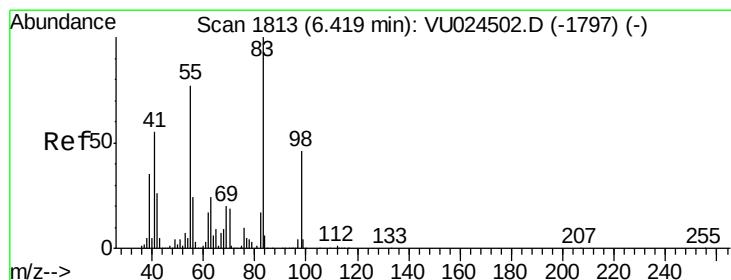
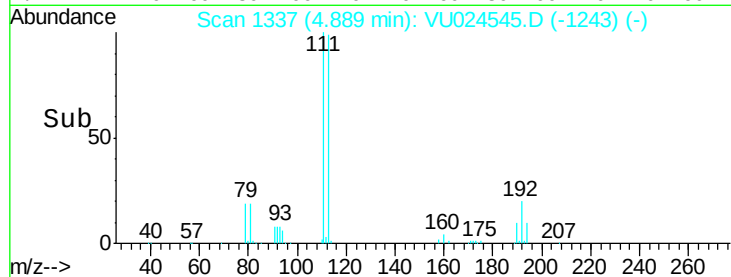
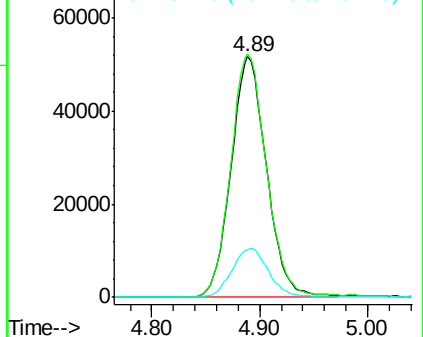
192 21.2 16.2 24.4



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: 1.355 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

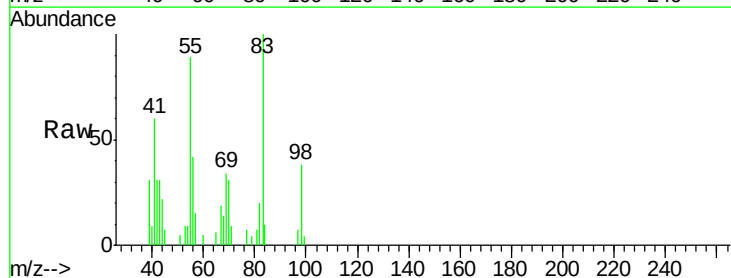
Tgt Ion: 83 Resp: 5761

Ion Ratio Lower Upper

83 100

55 79.0 65.8 98.6

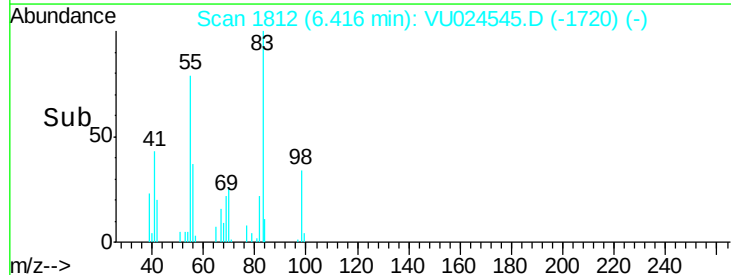
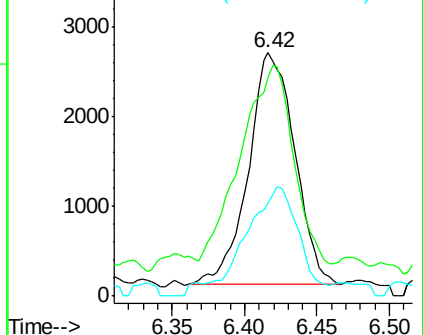
98 34.8 36.7 55.1#

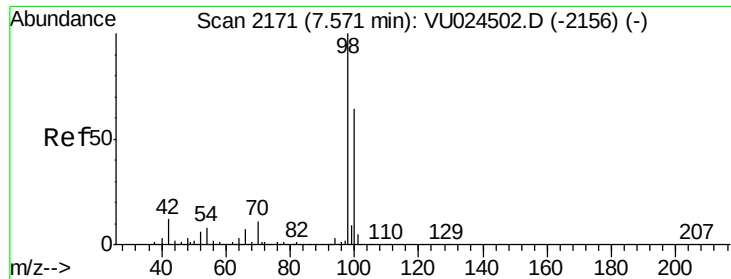


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#50

Toluene-d8

Concen: 49.639 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

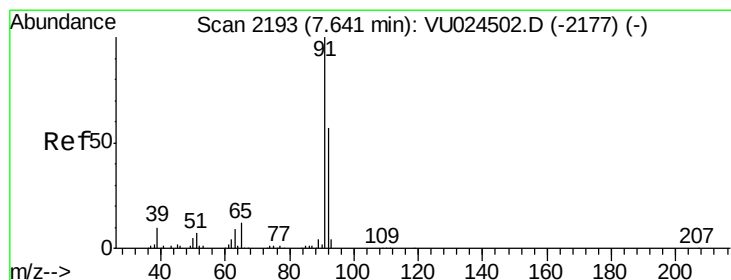
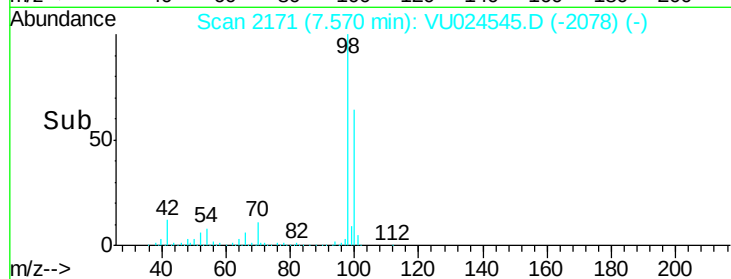
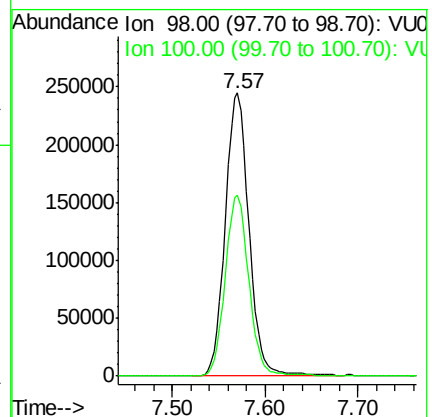
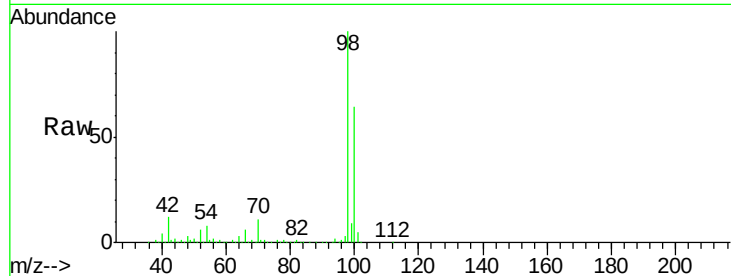
T3-MW-7-10.0-061118

Tot Ion: 98 Resp: 435769

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



#52

Toluene

Concen: 0.394 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024545.D

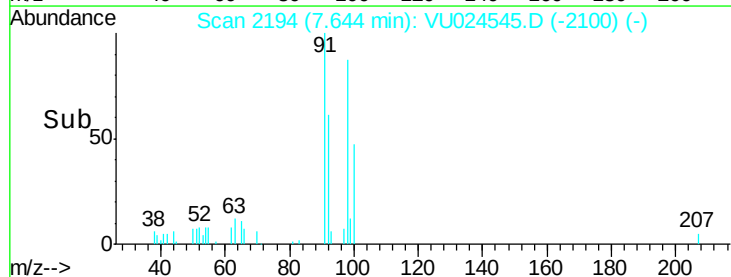
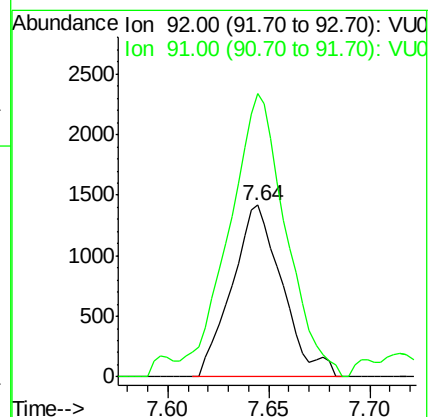
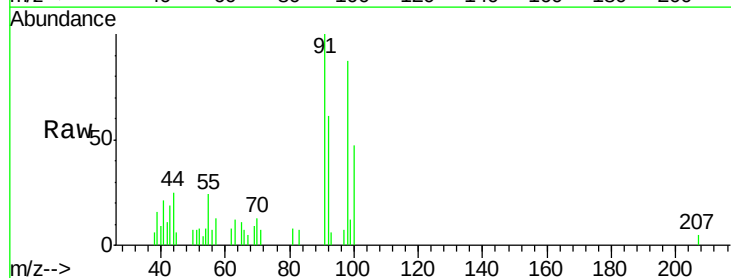
Acq: 14 Jun 2018 17:16

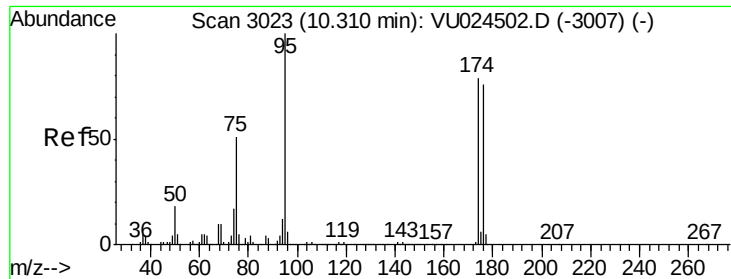
Tgt Ion: 92 Resp: 2464

Ion Ratio Lower Upper

92 100

91 186.7 140.5 210.7

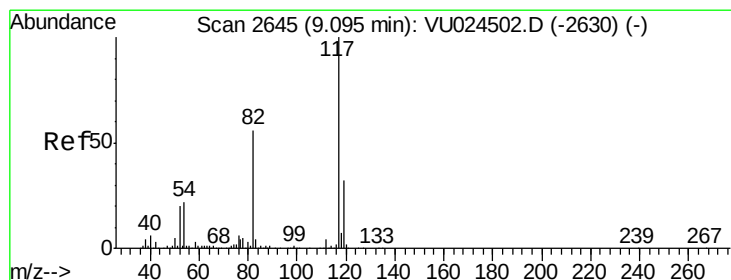
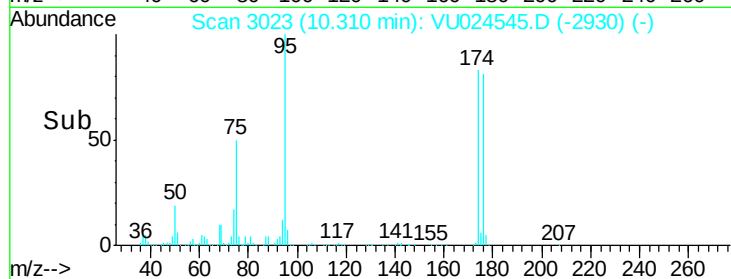
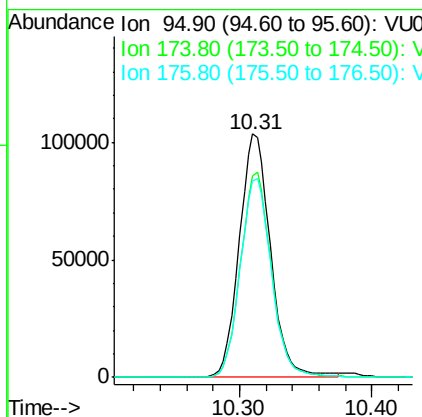
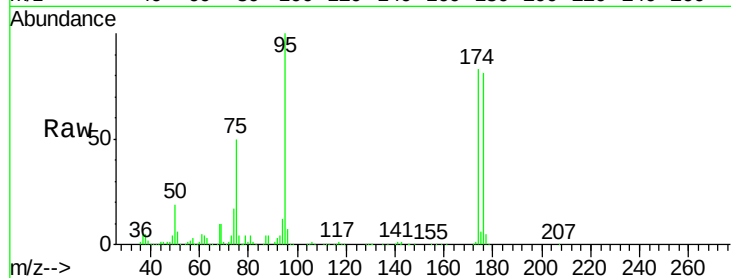




#62
4-Bromofluorobenzene
Concen: 48.741 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024545.D
Acq: 14 Jun 2018 17:16

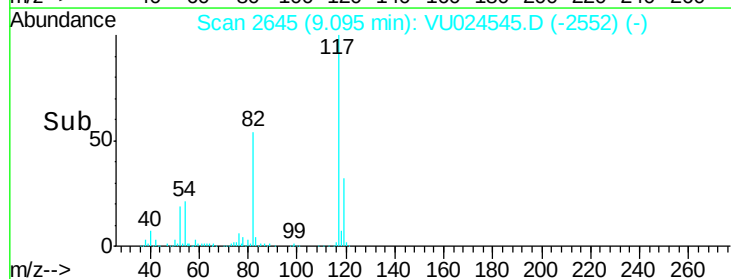
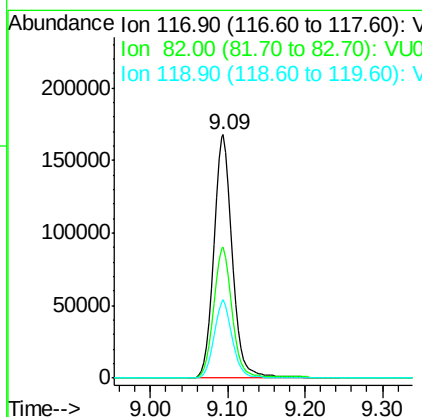
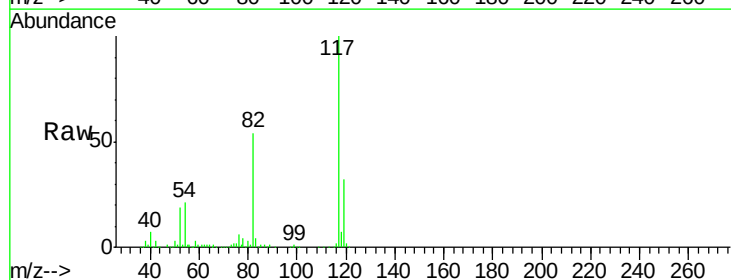
Instrument :
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T3-MW-7-10.0-061118

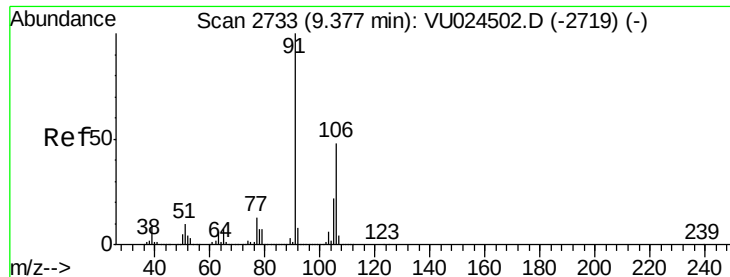
Tot Ion	95	Resp	169887
Ion Ratio	Lower	Upper	
95	100		
174	83.2	0.0	165.8
176	81.7	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024545.D
Acq: 14 Jun 2018 17:16

Tgt Ion	117	Resp	286448
Ion Ratio	Lower	Upper	
117	100		
82	53.8	44.3	66.5
119	32.1	25.4	38.2





#68

m/p-Xylenes

Concen: 0.992 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

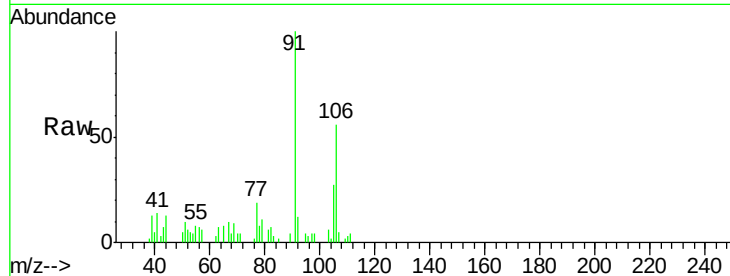
T3-MW-7-10.0-061118

Tot Ion:106 Resp: 4887

Ion Ratio Lower Upper

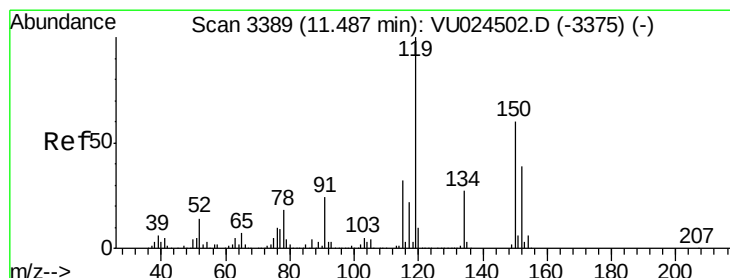
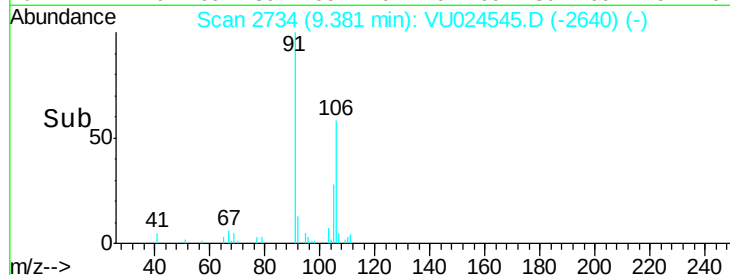
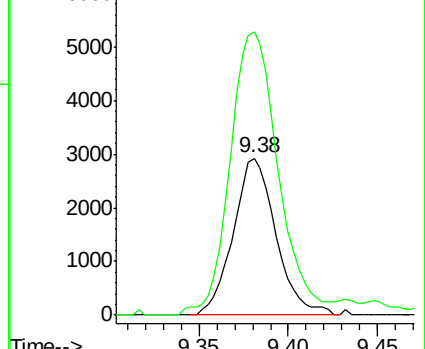
106 100

91 202.7 166.5 249.7



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: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

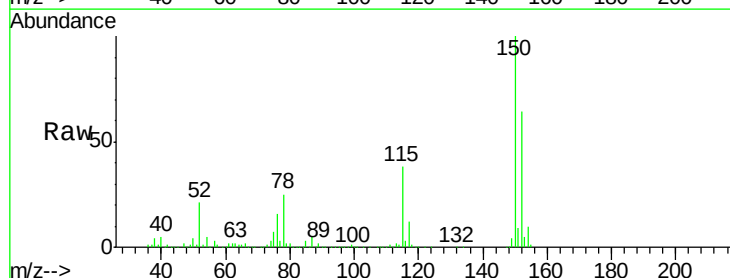
Tgt Ion:152 Resp: 168449

Ion Ratio Lower Upper

152 100

115 58.8 43.0 129.0

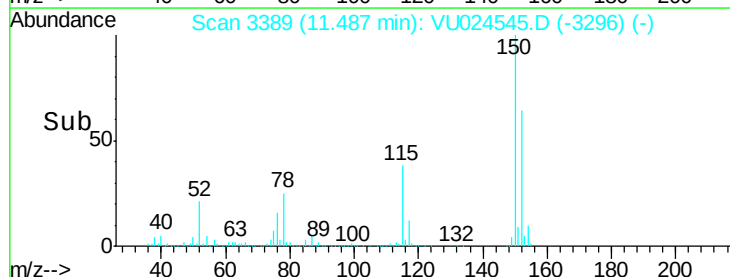
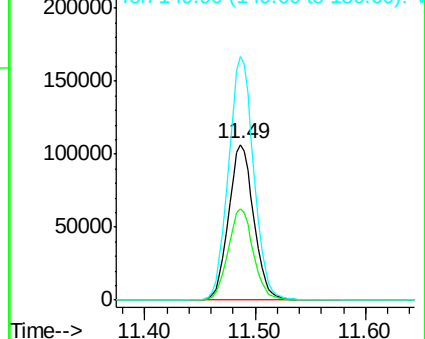
150 157.2 0.0 354.0

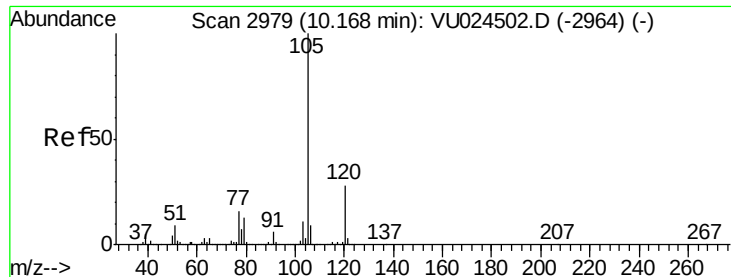


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.088 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

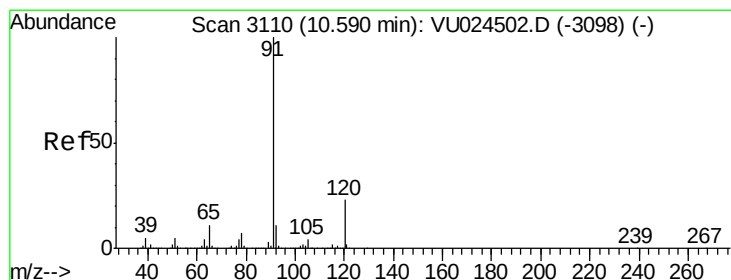
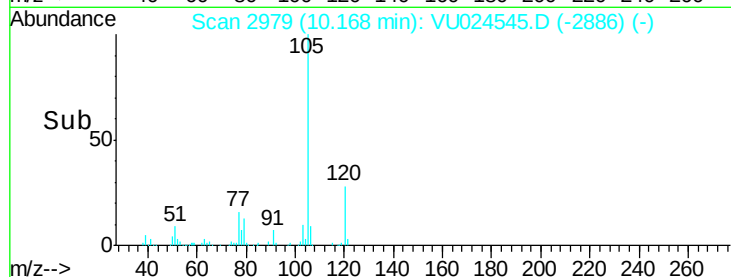
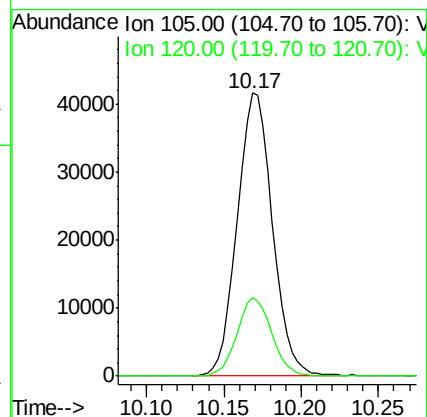
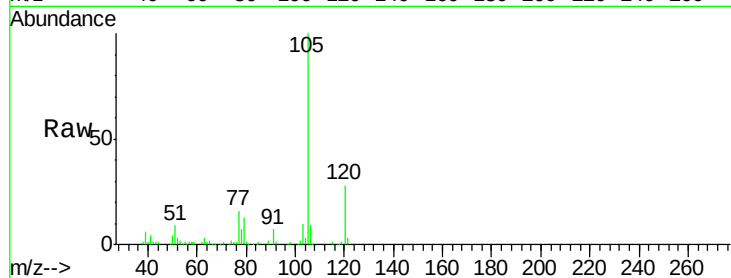
T3-MW-7-10.0-061118

Tot Ion:105 Resp: 65800

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6



#78

n-propylbenzene

Concen: 2.155 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024545.D

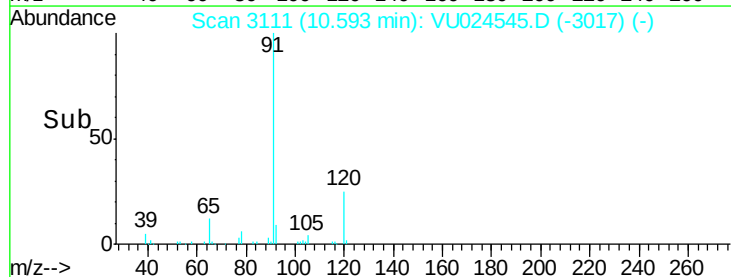
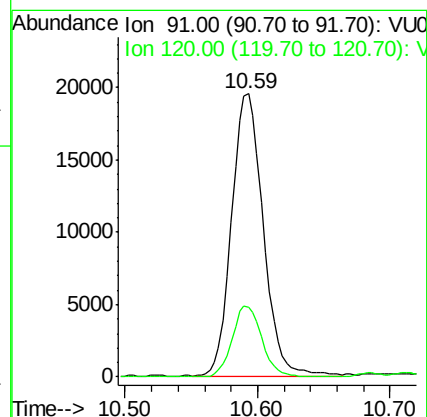
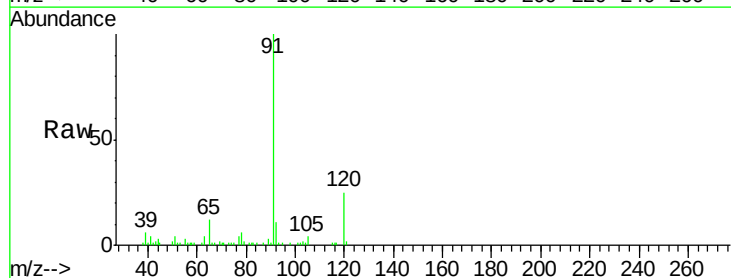
Acq: 14 Jun 2018 17:16

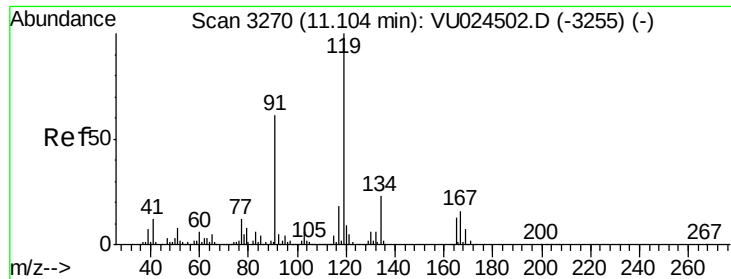
Tgt Ion: 91 Resp: 32828

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5





#83

tert-Butylbenzene

Concen: 1.753 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-7-10.0-061118

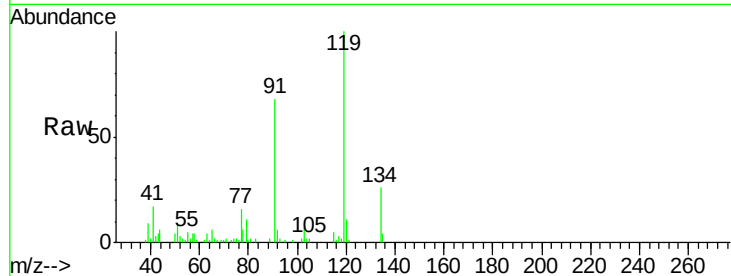
Tot Ion:119 Resp: 18905

Ion Ratio Lower Upper

119 100

91 70.3 29.7 89.1

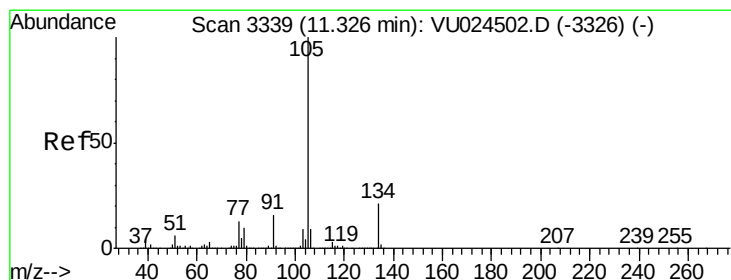
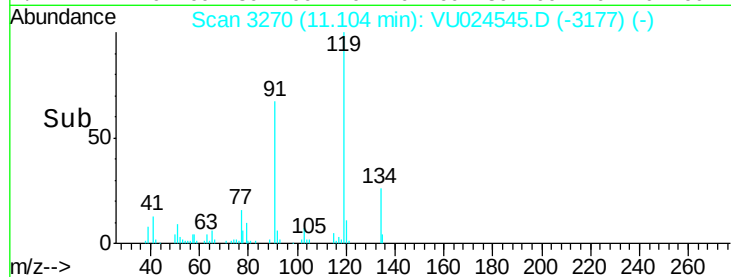
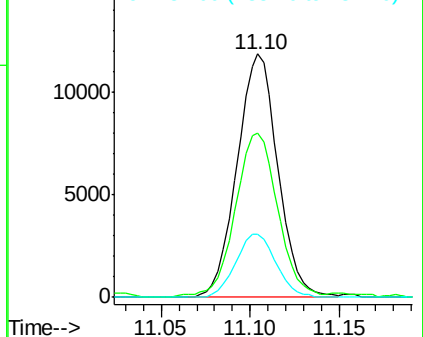
134 25.6 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 4.262 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024545.D

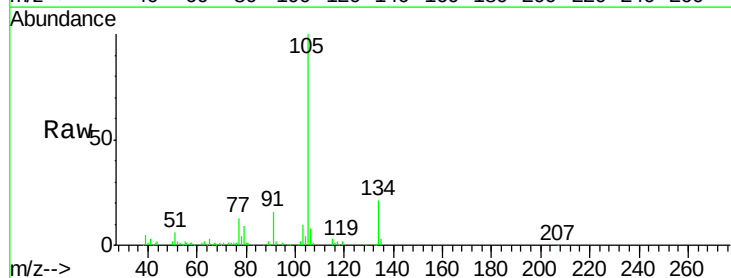
Acq: 14 Jun 2018 17:16

Tgt Ion:105 Resp: 57518

Ion Ratio Lower Upper

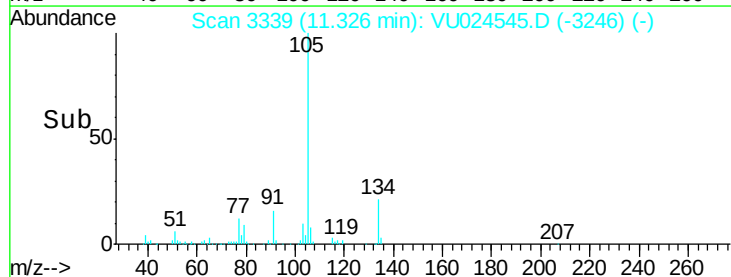
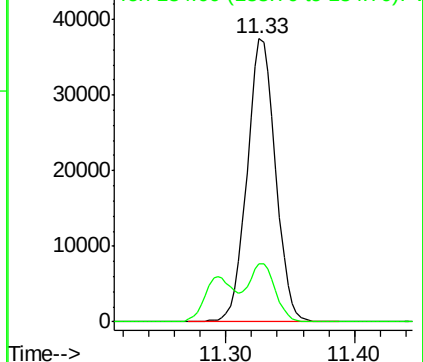
105 100

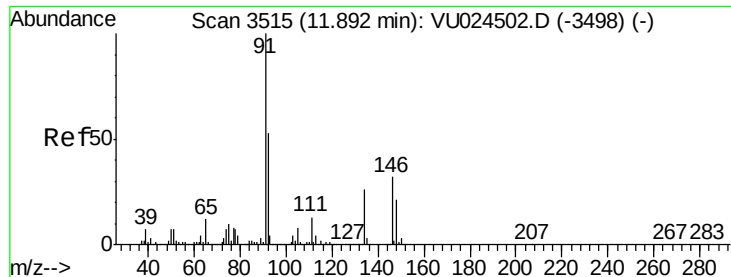
134 18.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 1.068 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU024545.D

Acq: 14 Jun 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-7-10.0-061118

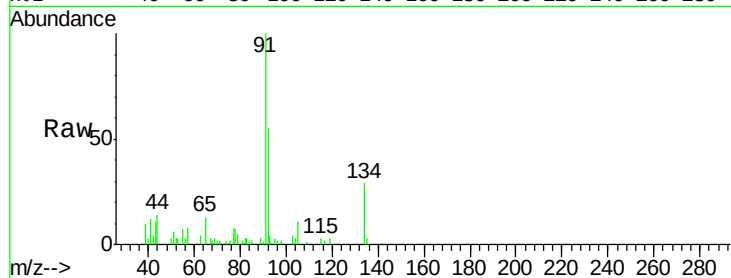
Tot Ion: 91 Resp: 11463

Ion Ratio Lower Upper

91 100

92 52.9 25.6 76.8

134 33.3 12.3 36.8



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

