

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025295.D
 Acq On : 10 Jul 2018 17:42
 Operator : MD/SY
 Sample : J3898-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

Quant Time: Jul 11 09:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

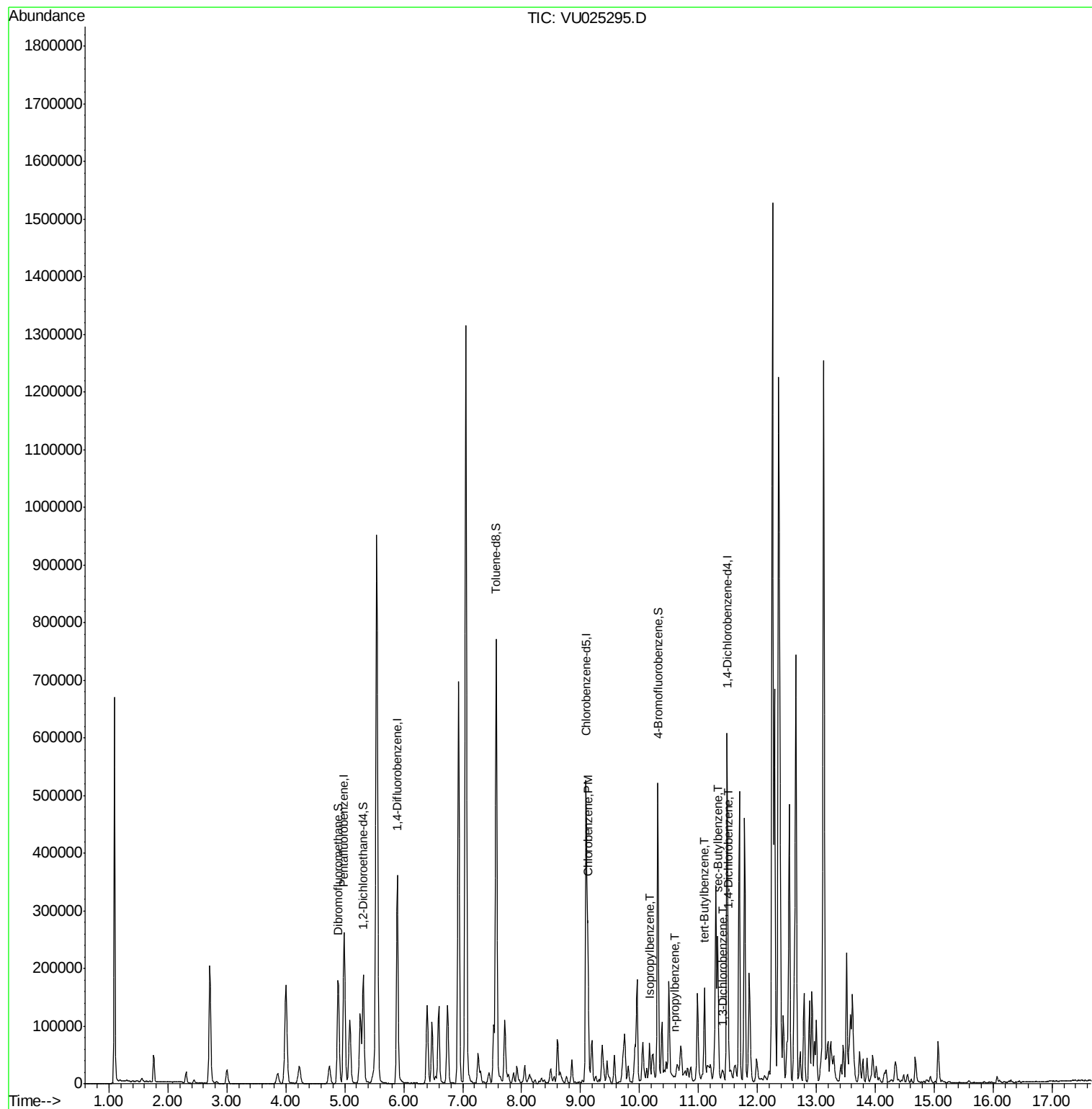
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	205266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312053	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156957	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	156152	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
35) Dibromofluoromethane	4.89	113	120669	45.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.68%	
50) Toluene-d8	7.57	98	454863	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.31	95	166385	45.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.70%	
Target Compounds						
65) Chlorobenzene	9.12	112	135725	18.95	ug/l	98
73) Isopropylbenzene	10.17	105	41492	3.46	ug/l	99
78) n-propylbenzene	10.59	91	4124	0.31	ug/l	91
83) tert-Butylbenzene	11.10	119	72250	7.09	ug/l	91
85) sec-Butylbenzene	11.33	105	153520	12.79	ug/l	95
87) 1,3-Dichlorobenzene	11.42	146	4058	0.72	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	8864	3.06	ug/l	88

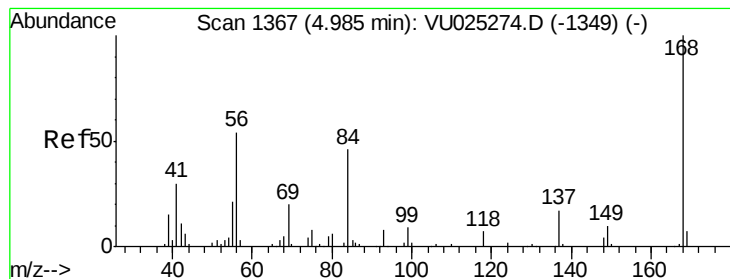
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

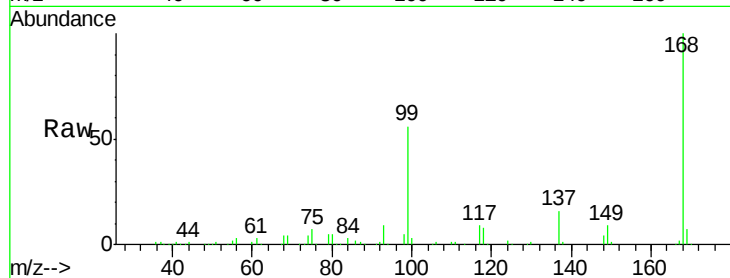
SS038MW050-180704

Tot Ion:168 Resp: 205266

Ion Ratio Lower Upper

168 100

99 56.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

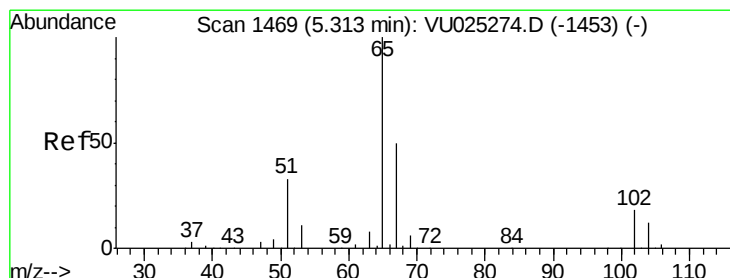
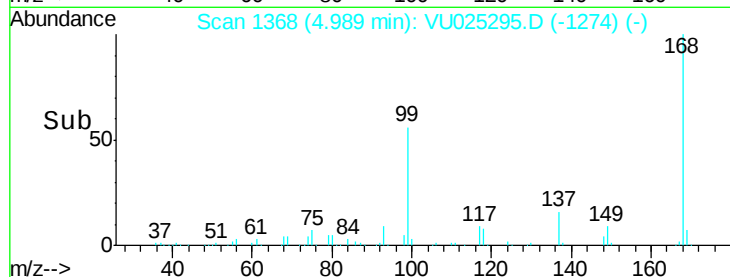
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.96 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025295.D

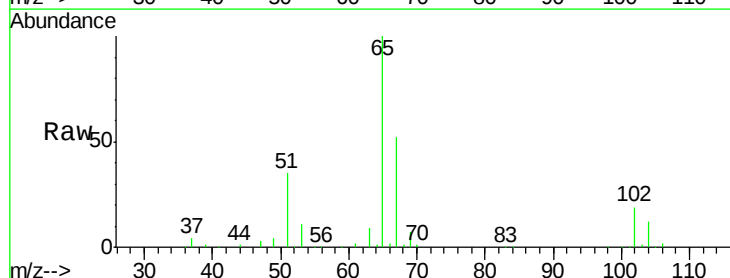
Acq: 10 Jul 2018 17:42

Tgt Ion: 65 Resp: 156152

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

80000

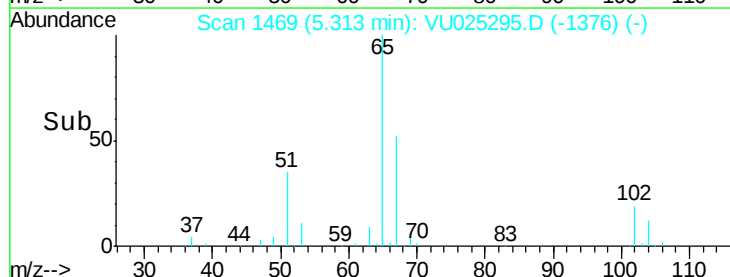
60000

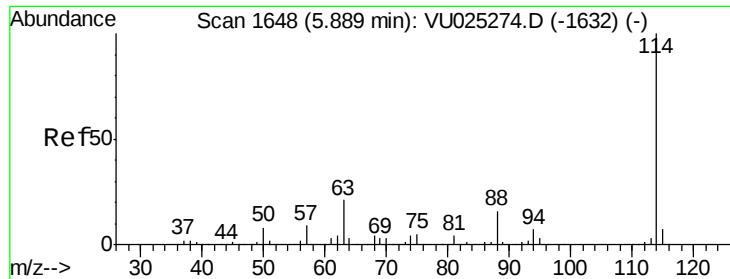
40000

20000

0

Time-->

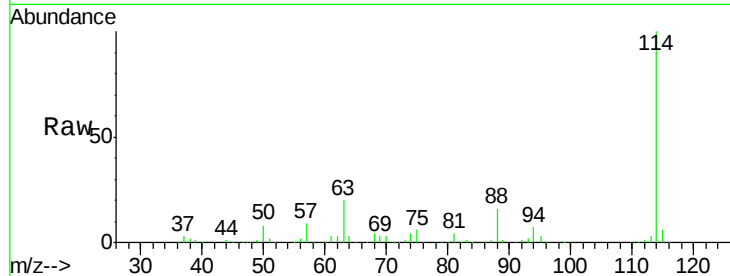




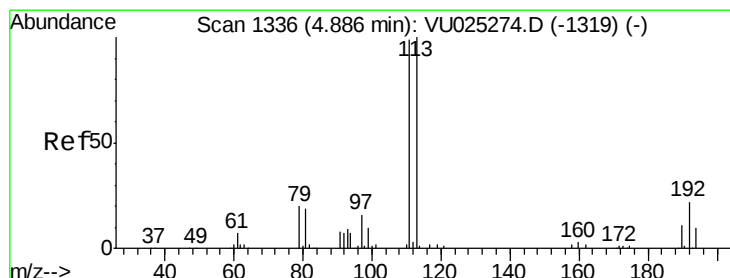
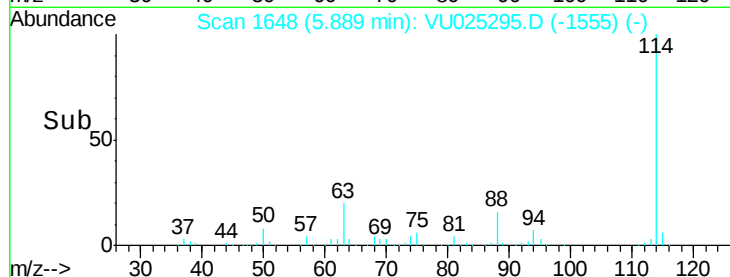
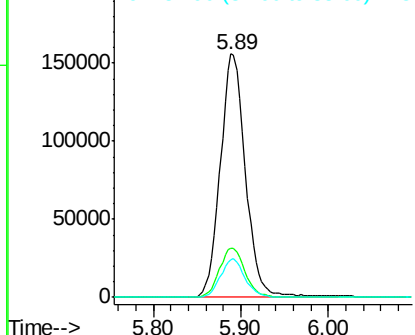
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.6
88	15.6	0.0	32.4

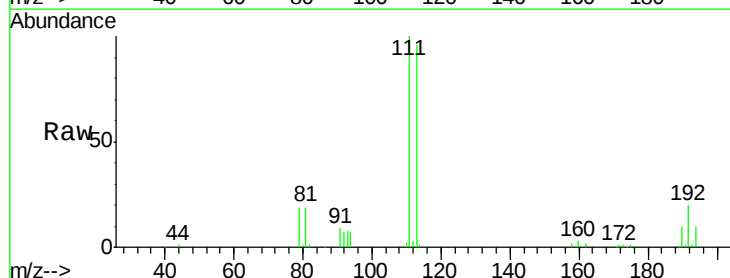


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

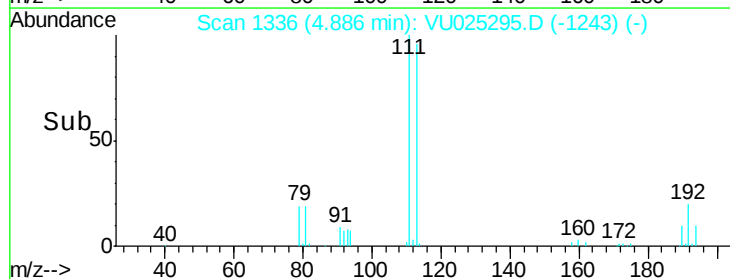
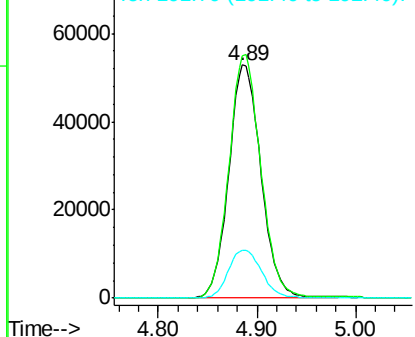


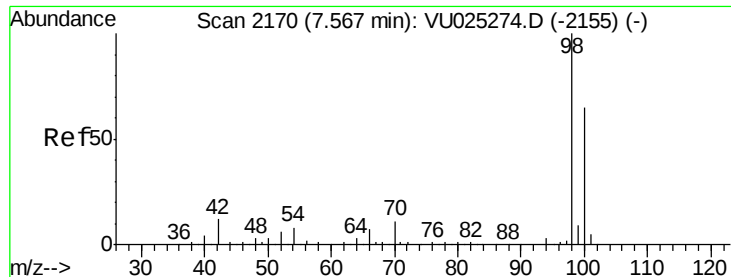
#35
 Dibromofluoromethane
 Concen: 45.84 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.7	122.5
192	21.3	17.1	25.7



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





#50

Toluene-d8

Concen: 50.46 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

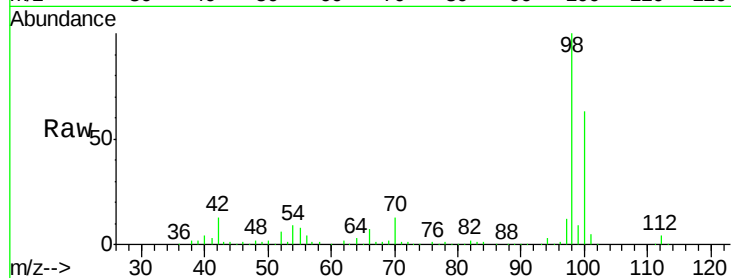
SS038MW050-180704

Tot Ion: 98 Resp: 454863

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)

7.57

250000

200000

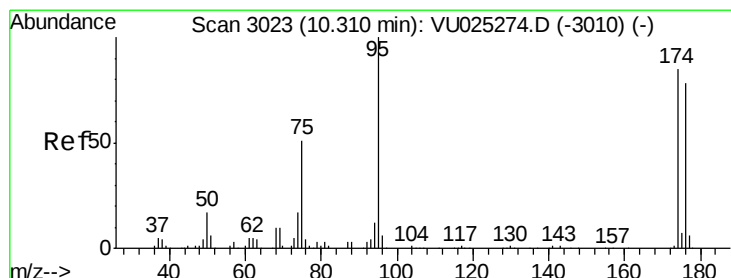
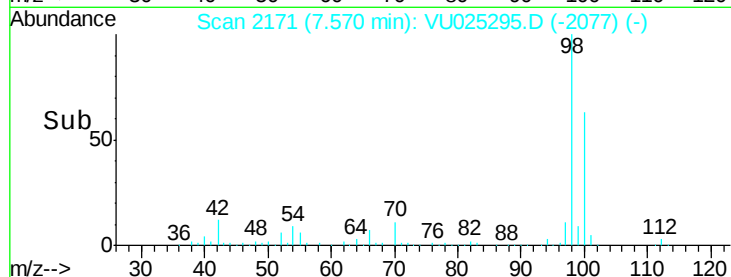
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.85 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

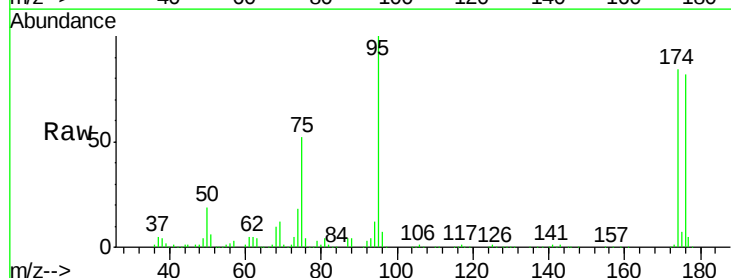
Tgt Ion: 95 Resp: 166385

Ion Ratio Lower Upper

95 100

174 85.1 0.0 172.2

176 82.5 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)

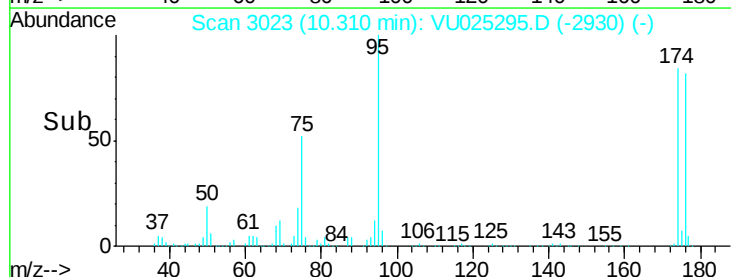
10.31

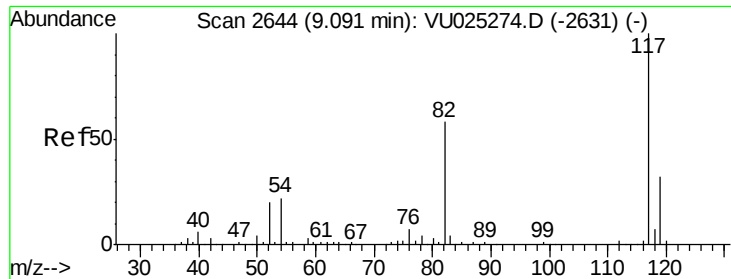
100000

50000

0

Time-->

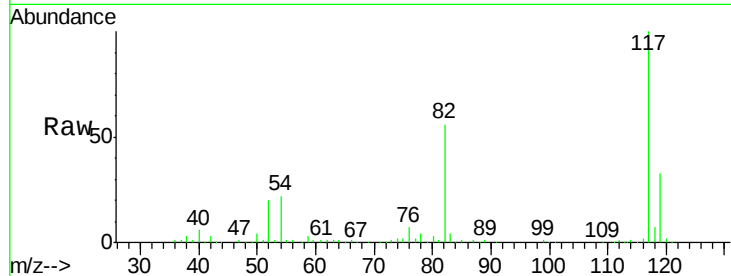




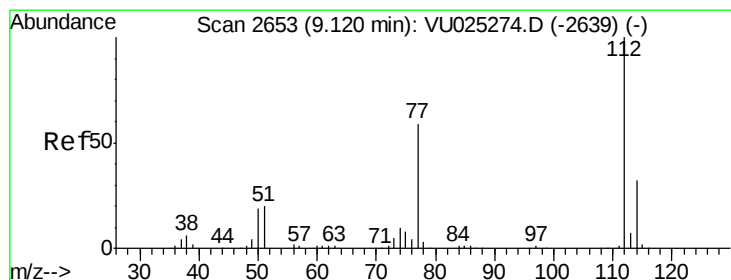
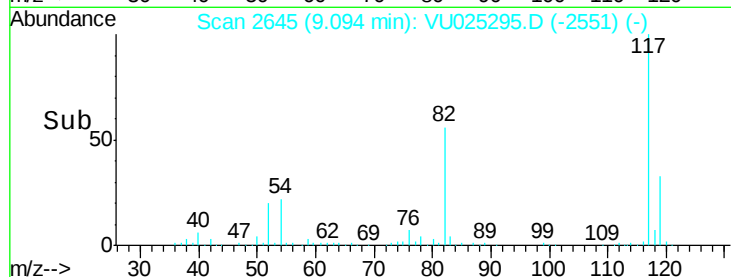
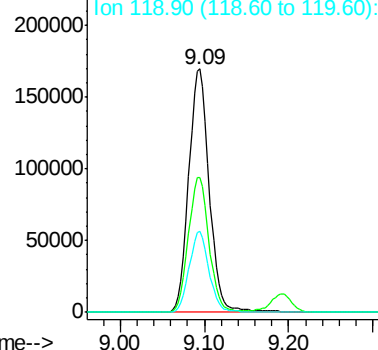
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Instrument :
MSVOA_U
ClientSampleId :
SS038MW050-180704

Tot Ion:117 Resp: 286671
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 33.2 26.0 39.0

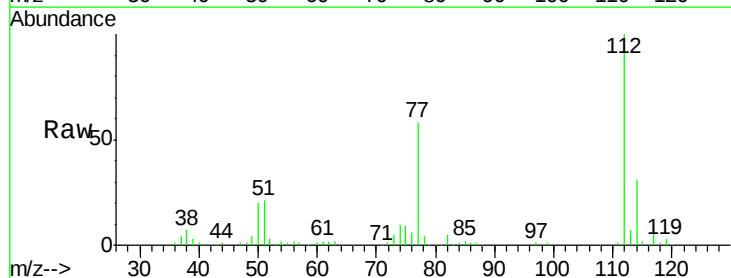


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

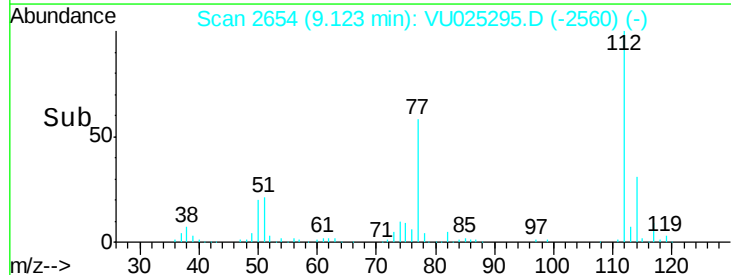
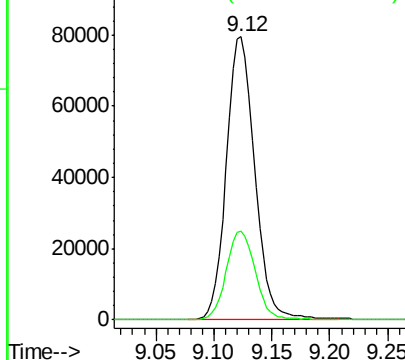


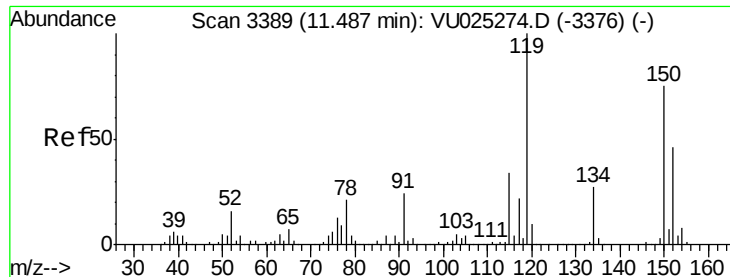
#65
Chlorobenzene
Concen: 18.95 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025295.D
Acq: 10 Jul 2018 17:42

Tgt Ion:112 Resp: 135725
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

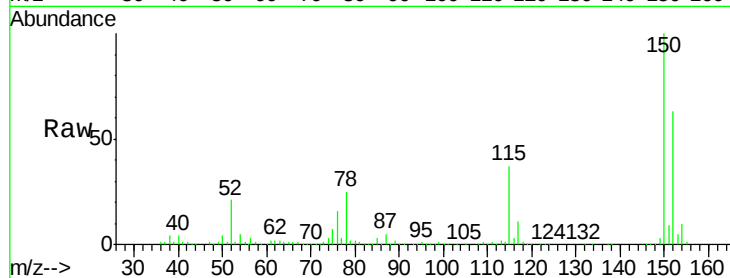
Tot Ion:152 Resp: 156957

Ion Ratio Lower Upper

152 100

115 57.6 40.1 120.3

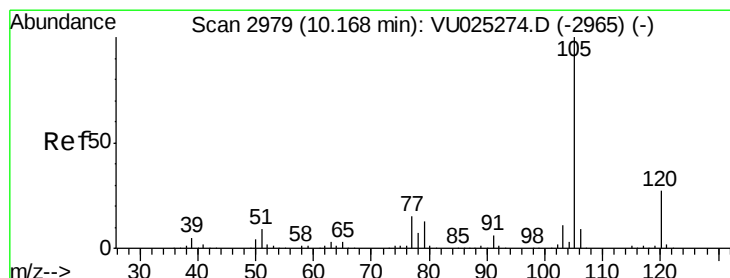
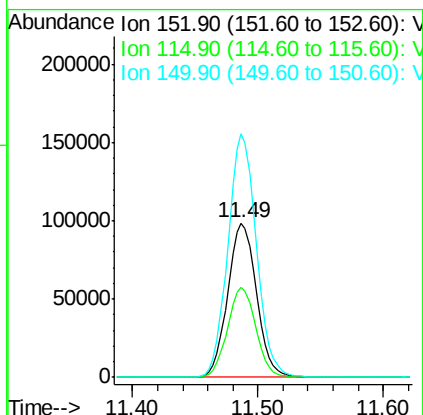
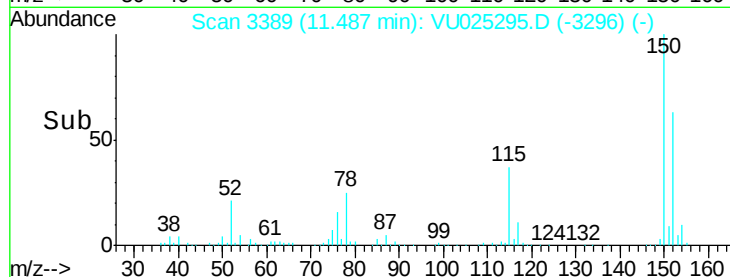
150 155.9 0.0 351.4



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: 3.46 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025295.D

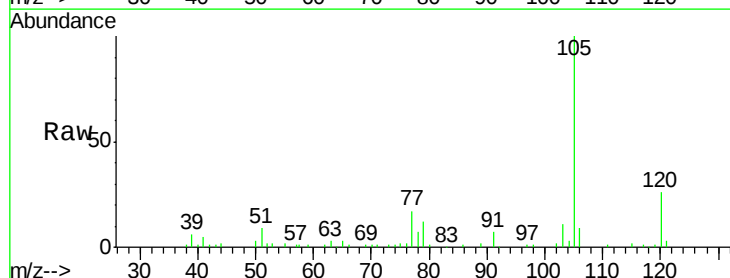
Acq: 10 Jul 2018 17:42

Tgt Ion:105 Resp: 41492

Ion Ratio Lower Upper

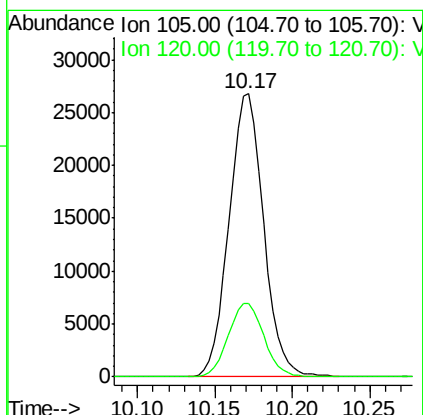
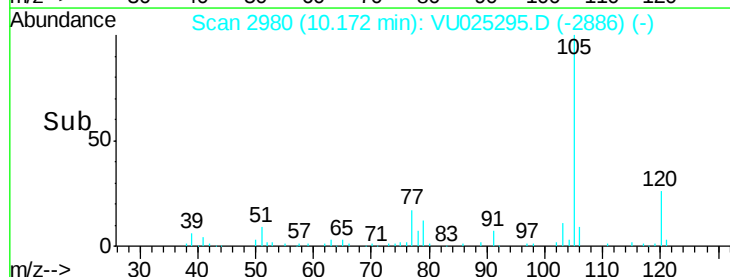
105 100

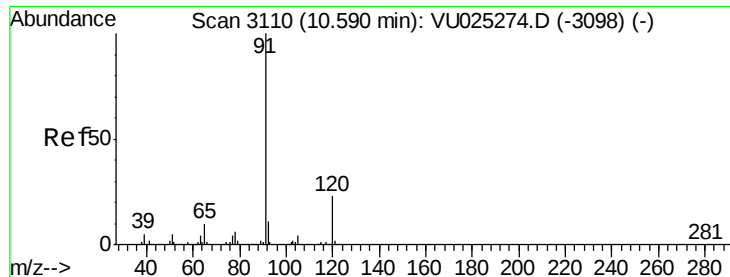
120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.31 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

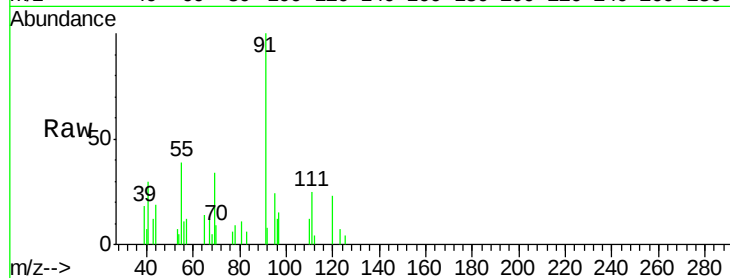
SS038MW050-180704

Tot Ion: 91 Resp: 4124

Ion Ratio Lower Upper

91 100

120 19.1 11.8 35.3

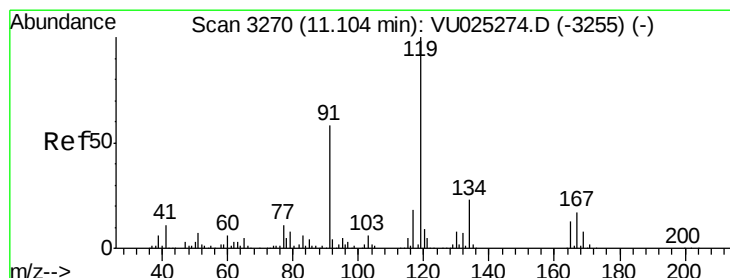
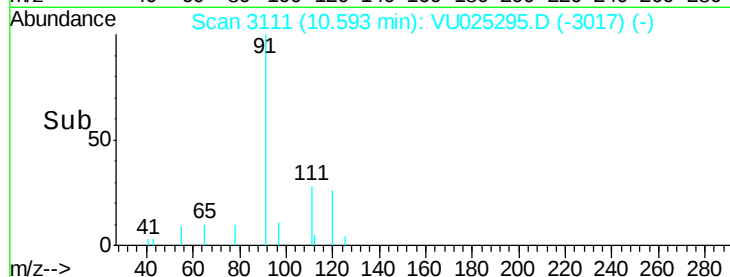


Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3098) (-)

10.59

Time-->



#83

tert-Butylbenzene

Concen: 7.09 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

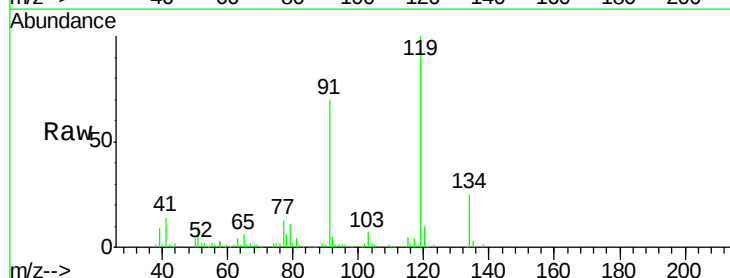
Tgt Ion: 119 Resp: 72250

Ion Ratio Lower Upper

119 100

91 68.4 29.7 89.1

134 24.6 11.5 34.5



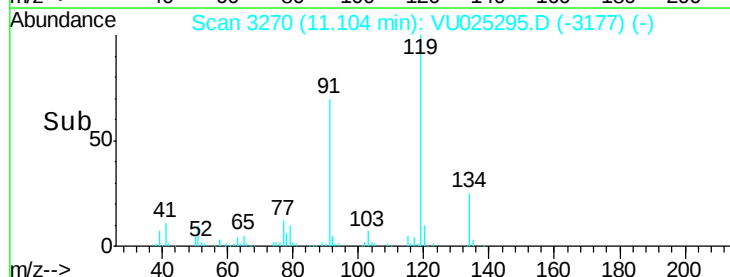
Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3255) (-)

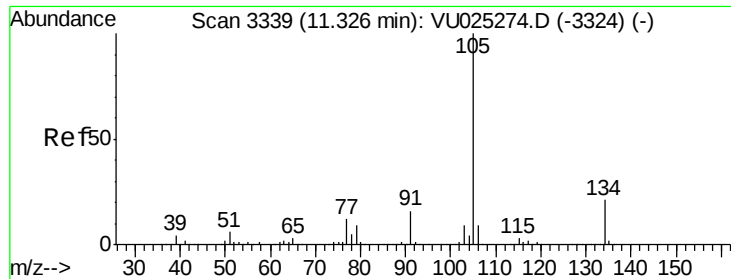
Ion 91.00 (90.70 to 91.70): VU025274.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3255) (-)

11.10

Time-->

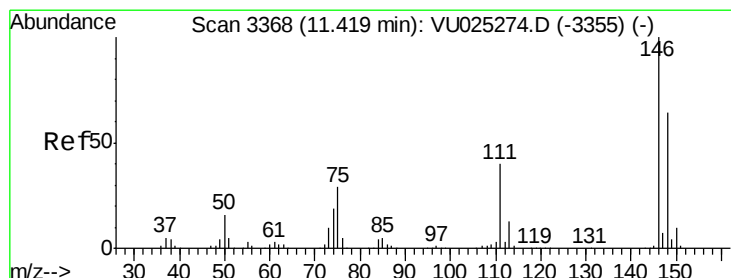
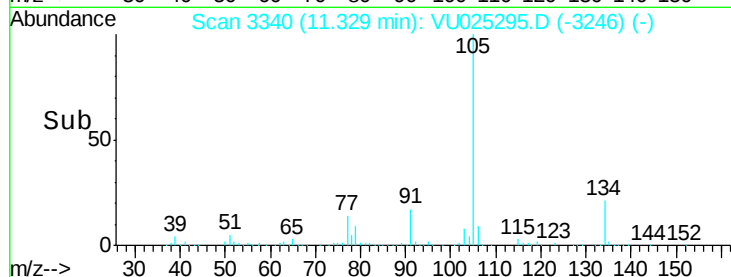
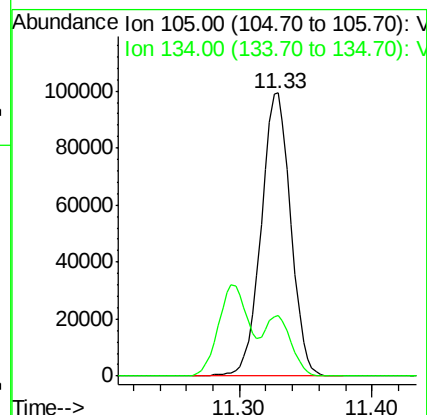
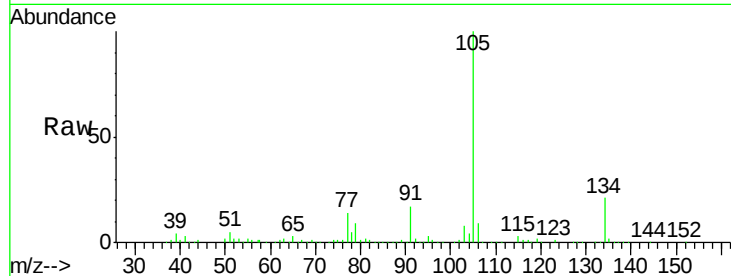




#85
 sec-Butylbenzene
 Concen: 12.79 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

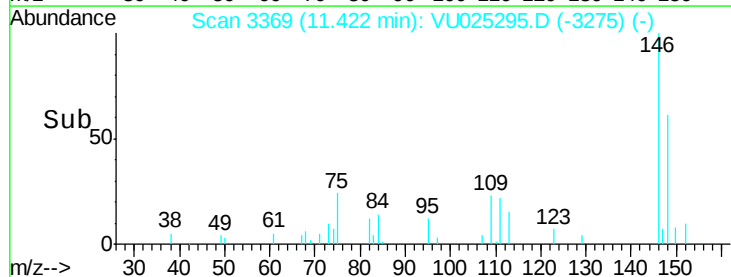
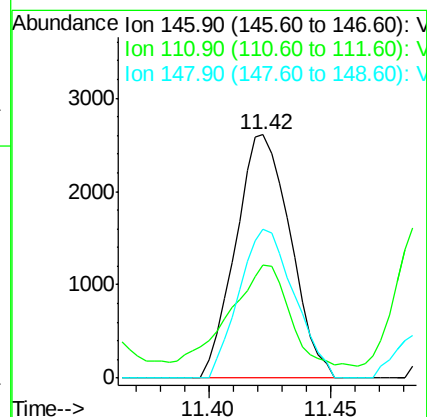
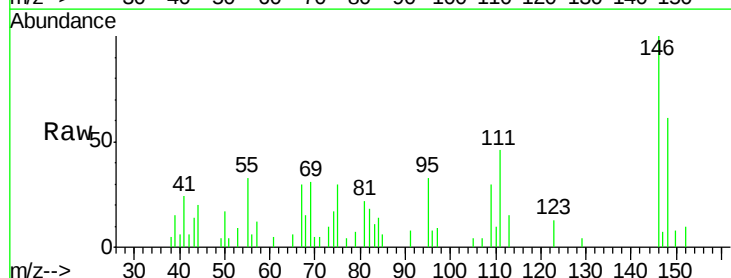
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW050-180704

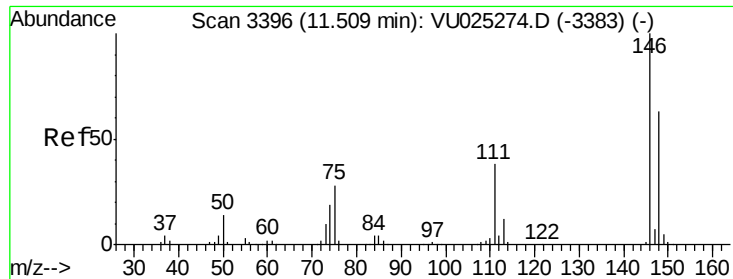
Tot Ion:105 Resp: 153520
 Ion Ratio Lower Upper
 105 100
 134 18.0 10.3 30.8



#87
 1,3-Dichlorobenzene
 Concen: 0.72 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025295.D
 Acq: 10 Jul 2018 17:42

Tgt Ion:146 Resp: 4058
 Ion Ratio Lower Upper
 146 100
 111 45.5 19.7 59.1
 148 61.8 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 3.06 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025295.D

Acq: 10 Jul 2018 17:42

Instrument :

MSVOA_U

ClientSampleId :

SS038MW050-180704

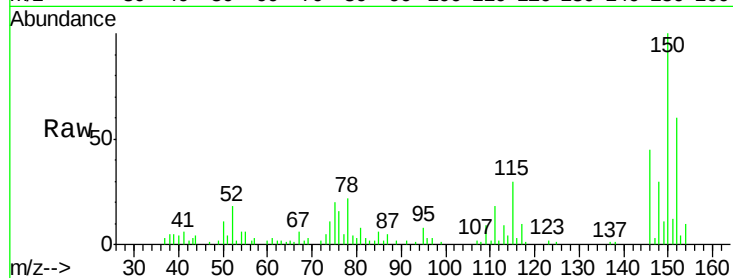
Tot Ion:146 Resp: 8864

Ion Ratio Lower Upper

146 100

111 45.8 19.4 58.1

148 72.6 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

