

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025140.D
 Acq On : 02 Jul 2018 13:58
 Operator : MD/SY
 Sample : J3759-13DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625DL

Quant Time: Jul 03 04:45:32 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	208839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149122	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	158937	46.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.24%	
35) Dibromofluoromethane	4.89	113	123106	47.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.88%	
50) Toluene-d8	7.57	98	447312	47.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	10.31	95	165627	44.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.08%	

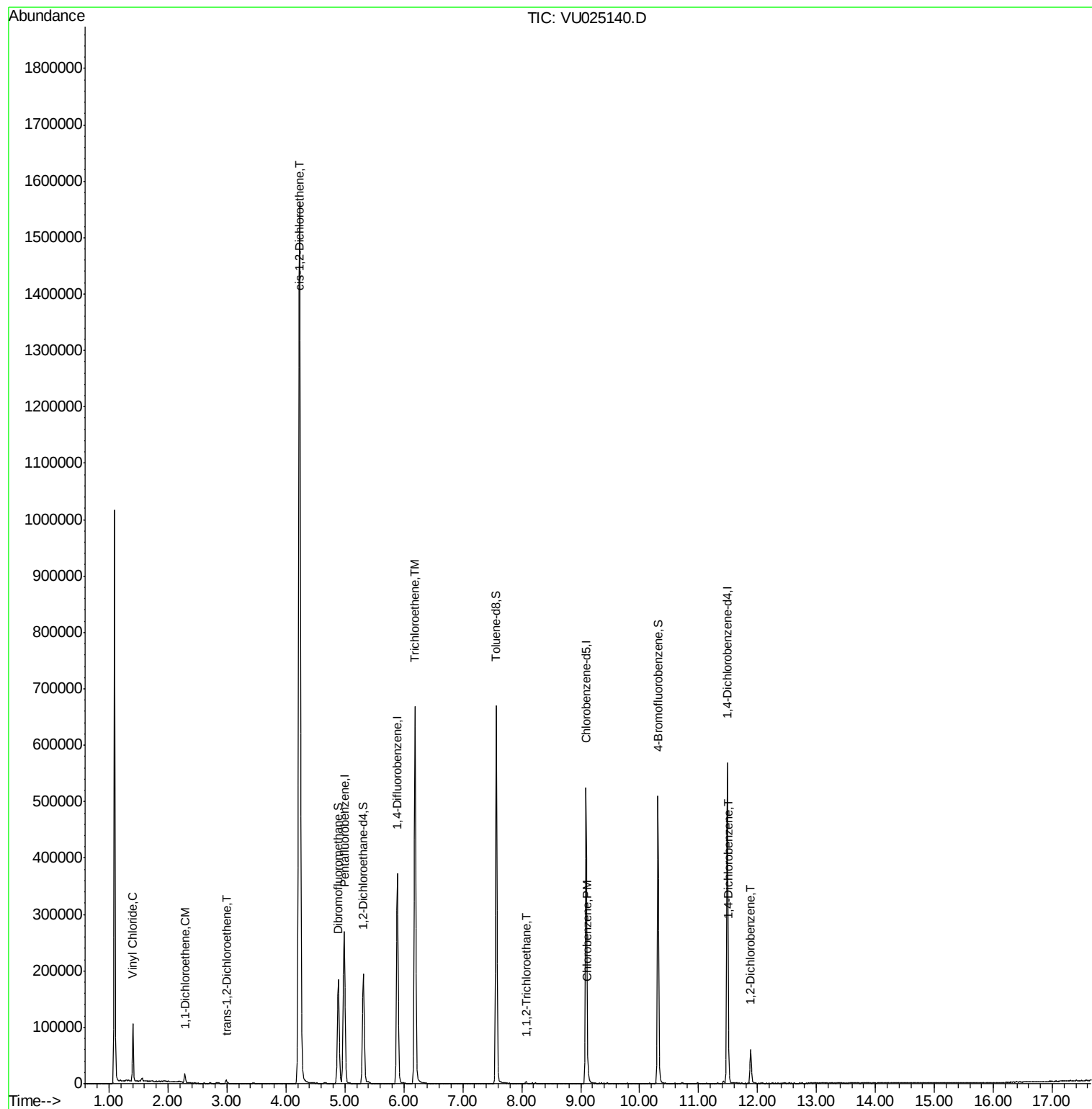
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	64763	23.51	ug/l	100
12) 1,1-Dichloroethene	2.28	96	5072	2.13	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	2162	0.83	ug/l #	92
27) cis-1,2-Dichloroethene	4.23	96	872449	289.75	ug/l	88
44) Trichloroethene	6.19	130	233323	79.13	ug/l	94
55) 1,1,2-Trichloroethane	8.08	97	1435	0.53	ug/l #	80
65) Chlorobenzene	9.12	112	9423	1.29	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	5951	1.10	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	25775	4.81	ug/l	99

(#) = 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: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

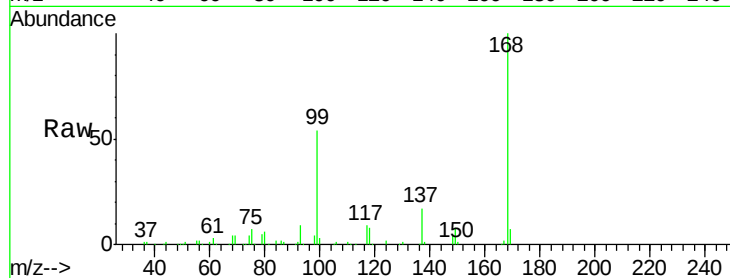
WP021MW357-180625DL

Tot Ion:168 Resp: 208839

Ion Ratio Lower Upper

168 100

99 54.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

100000

80000

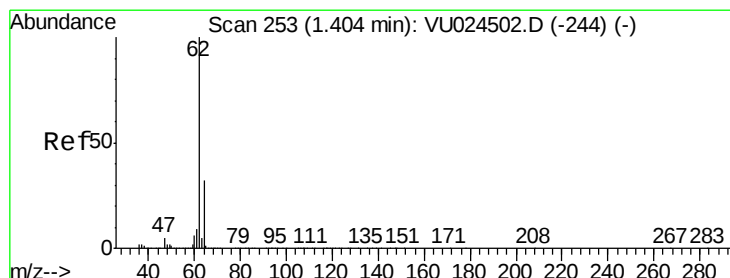
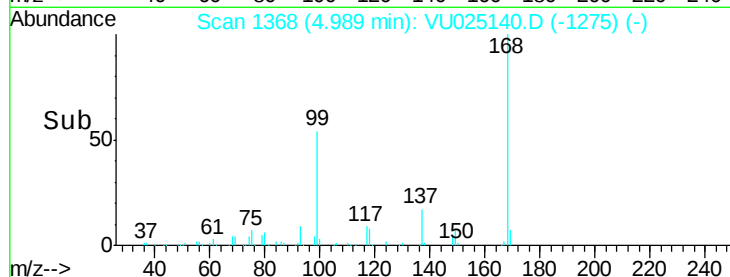
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 23.51 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025140.D

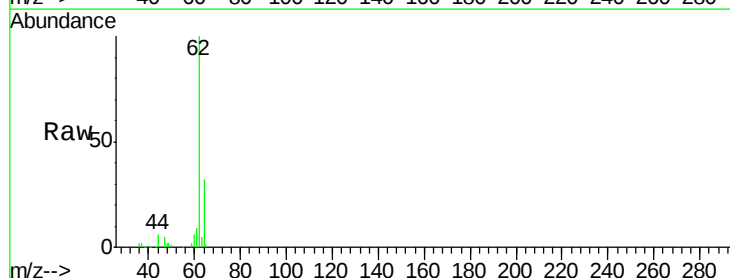
Acq: 02 Jul 2018 13:58

Tgt Ion: 62 Resp: 64763

Ion Ratio Lower Upper

62 100

64 31.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

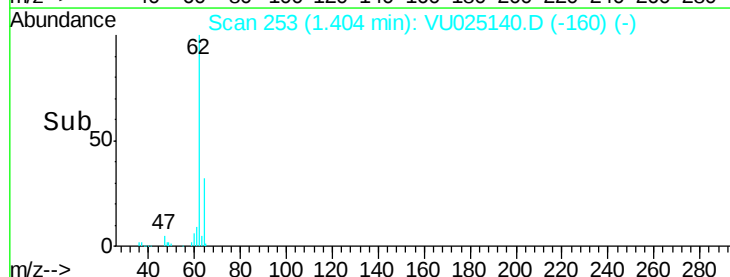
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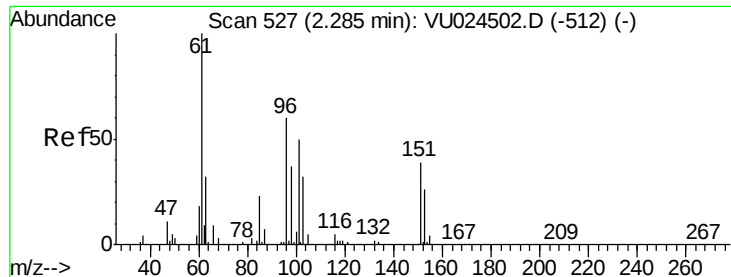
40000

20000

0

Time-->





#12

1,1-Dichloroethene

Concen: 2.13 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625DL

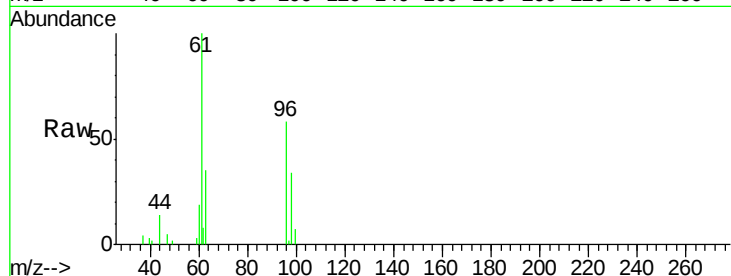
Tot Ion: 96 Resp: 5072

Ion Ratio Lower Upper

96 100

61 173.1 141.7 212.5

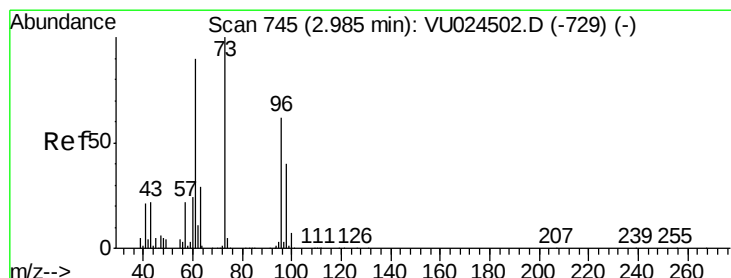
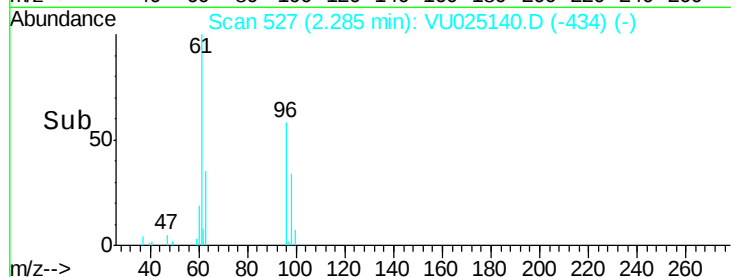
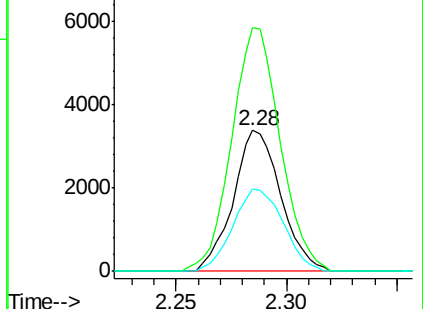
98 58.5 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU025140.D (-434) (-)

Ion 60.90 (60.60 to 61.60): VU025140.D (-434) (-)

Ion 97.90 (97.60 to 98.60): VU025140.D (-434) (-)



#21

trans-1,2-Dichloroethene

Concen: 0.83 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

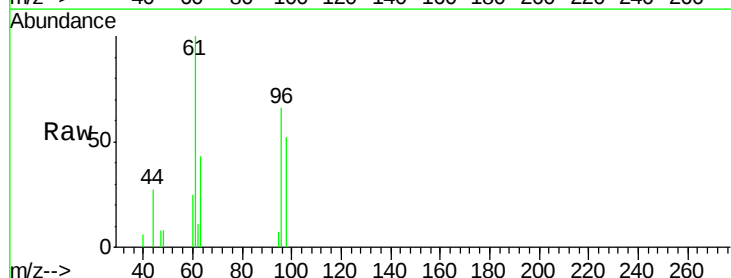
Tgt Ion: 96 Resp: 2162

Ion Ratio Lower Upper

96 100

61 152.1 119.4 179.0

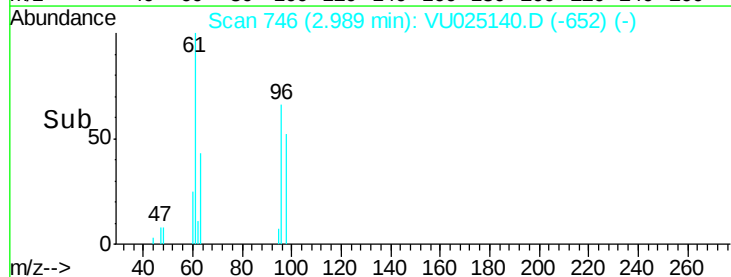
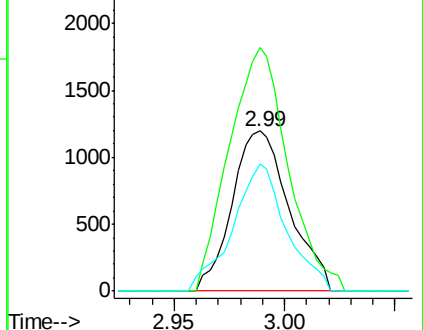
98 79.4 51.1 76.7#

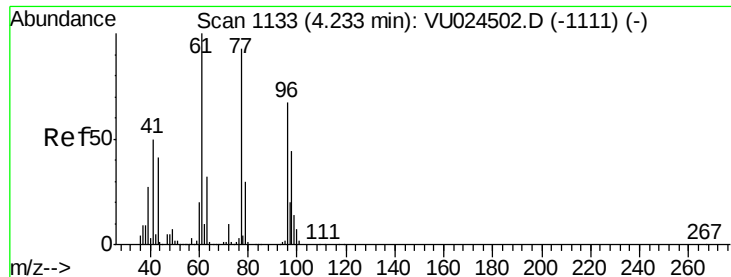


Abundance Ion 95.90 (95.60 to 96.60): VU025140.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025140.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025140.D (-652) (-)





#27

cis-1,2-Dichloroethene

Concen: 289.75 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625DL

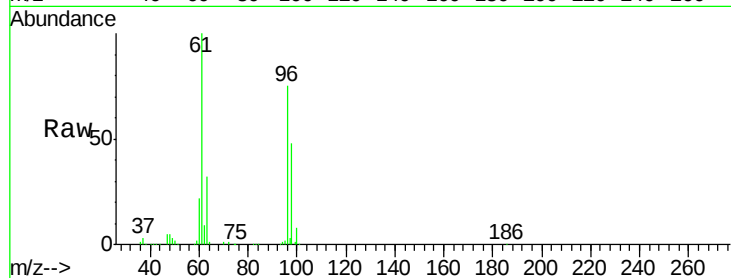
Tot Ion: 96 Resp: 872449

Ion Ratio Lower Upper

96 100

61 132.5 0.0 306.6

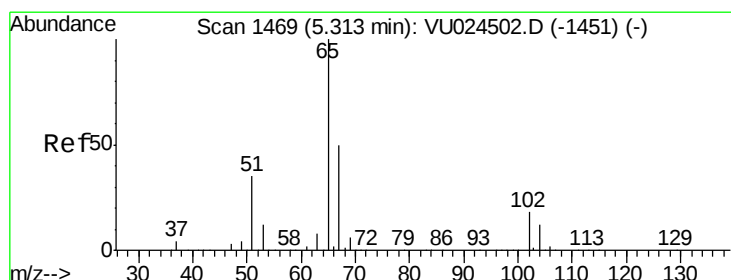
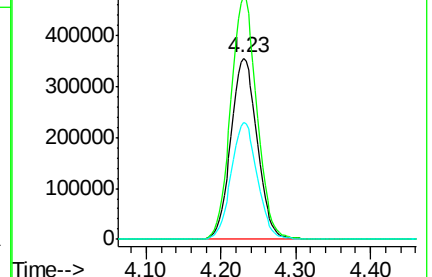
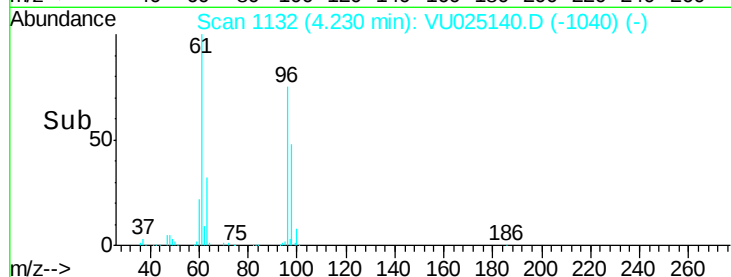
98 63.9 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU025140.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU025140.D (-1040) (-)

Ion 97.90 (97.60 to 98.60): VU025140.D (-1040) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.62 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025140.D

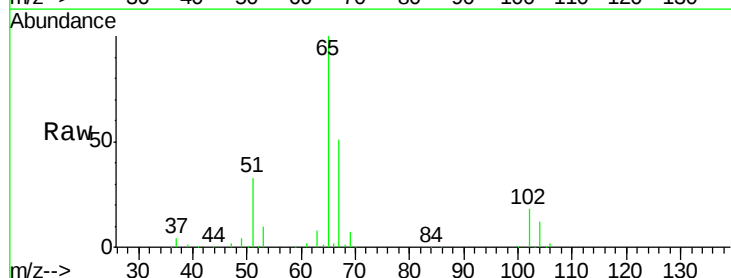
Acq: 02 Jul 2018 13:58

Tgt Ion: 65 Resp: 158937

Ion Ratio Lower Upper

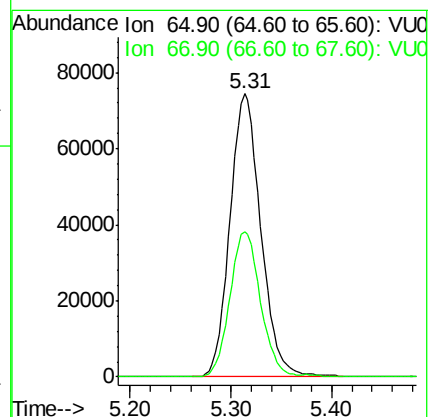
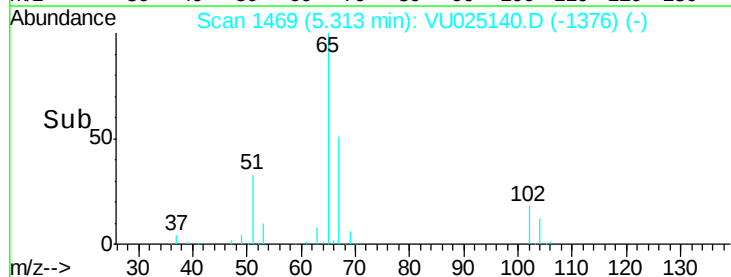
65 100

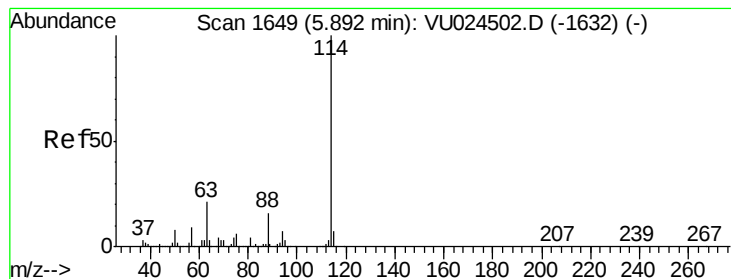
67 50.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025140.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025140.D (-1376) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625DL

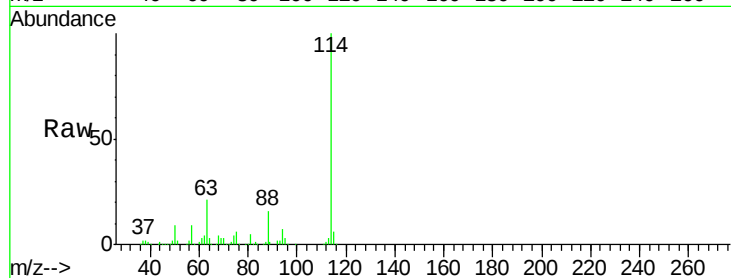
Tot Ion:114 Resp: 309413

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.4

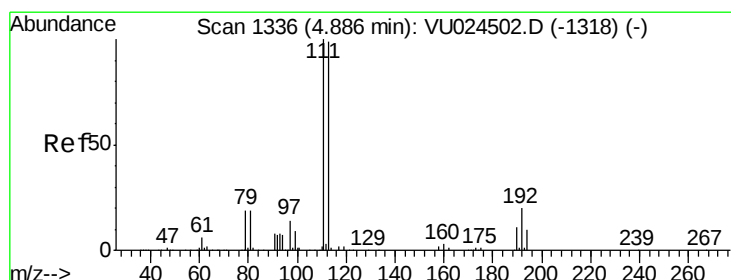
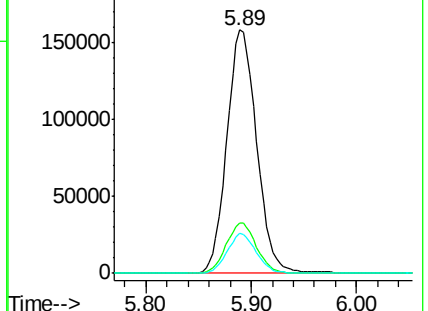
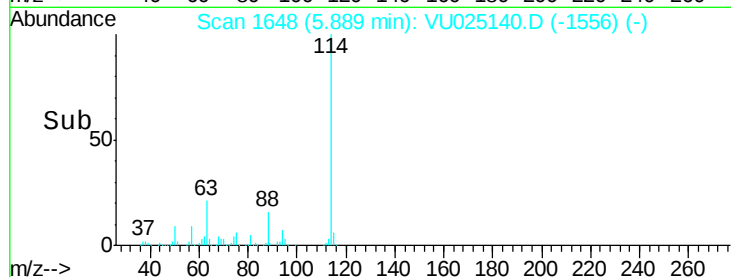
88 16.3 0.0 31.0



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: 47.94 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

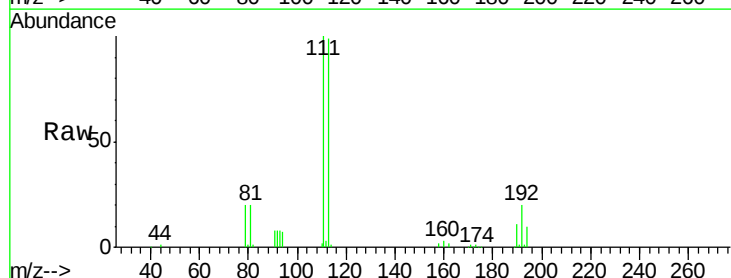
Tgt Ion:113 Resp: 123106

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

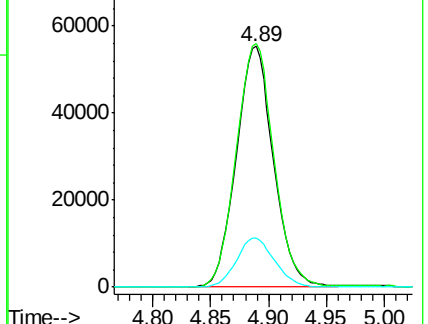
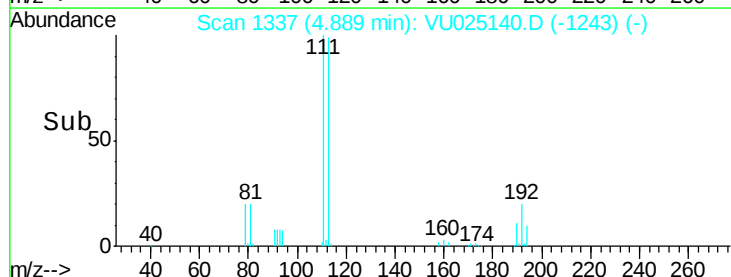
192 20.8 16.2 24.4

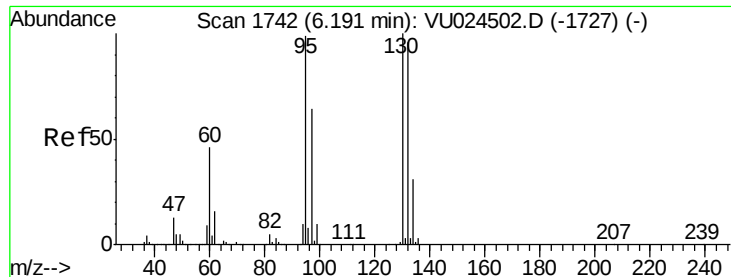


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 79.13 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

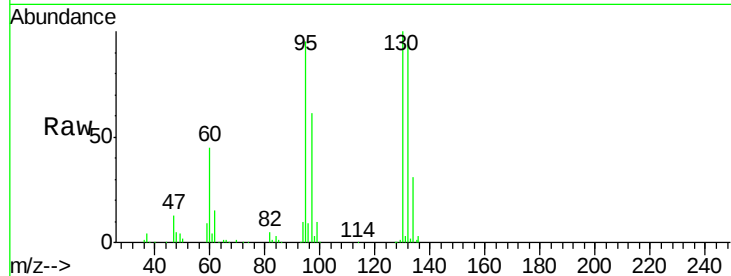
WP021MW357-180625DL

Tot Ion:130 Resp: 233323

Ion Ratio Lower Upper

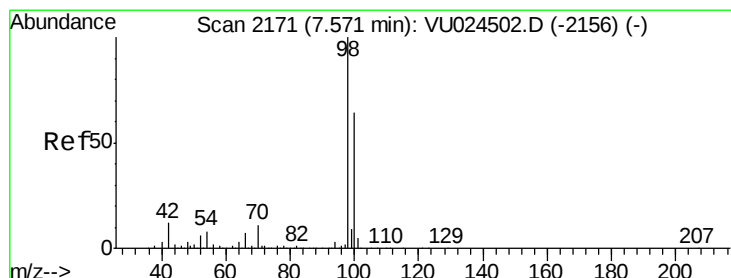
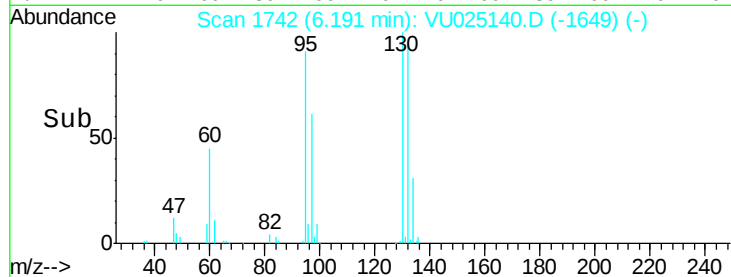
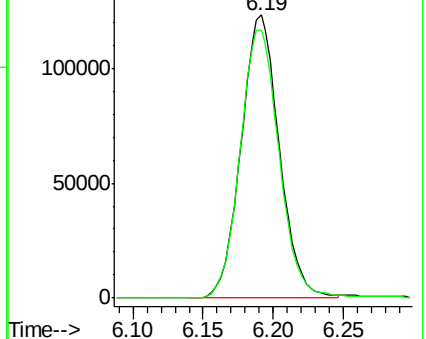
130 100

95 94.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.76 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025140.D

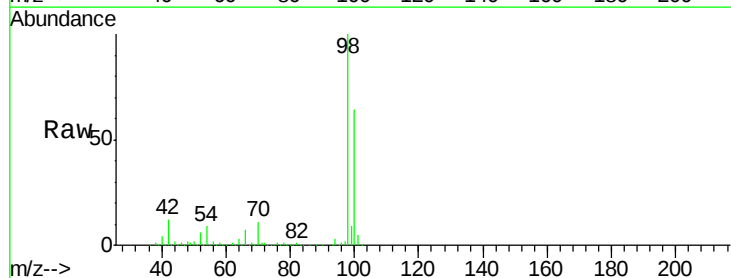
Acq: 02 Jul 2018 13:58

Tgt Ion: 98 Resp: 447312

Ion Ratio Lower Upper

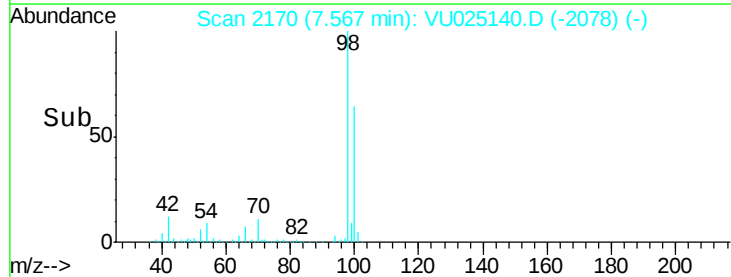
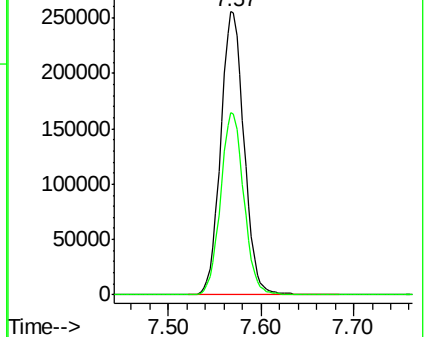
98 100

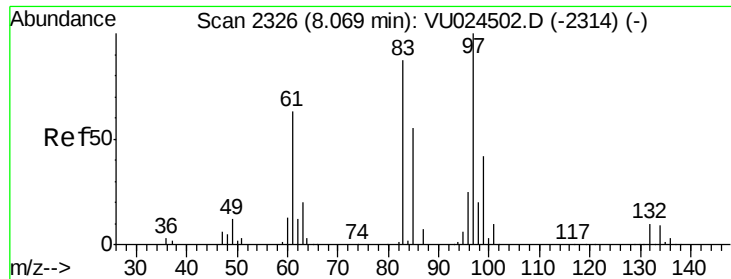
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

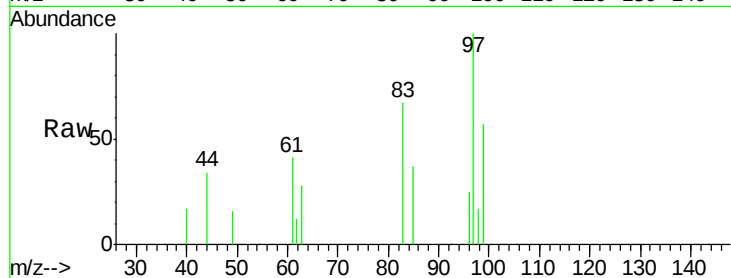




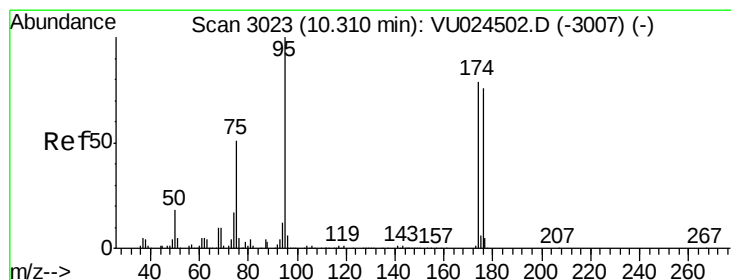
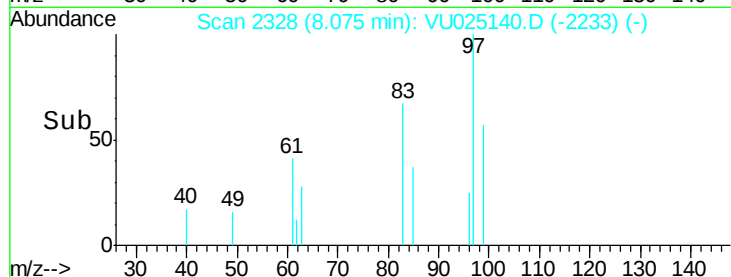
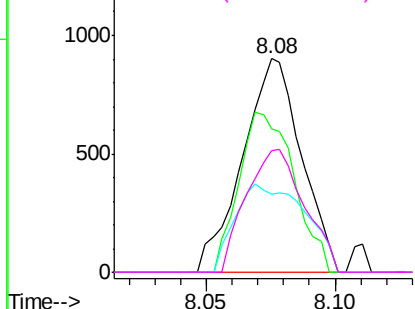
#55
 1,1,2-Trichloroethane
 Concen: 0.53 ug/l
 RT: 8.08 min Scan# 2326
 Delta R.T. 0.01 min
 Lab File: VU025140.D
 Acq: 02 Jul 2018 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625DL

Tot Ion: 97 Resp: 1435
 Ion Ratio Lower Upper
 97 100
 83 67.4 70.5 105.7#
 85 36.8 46.4 69.6#
 99 56.8 50.2 75.2

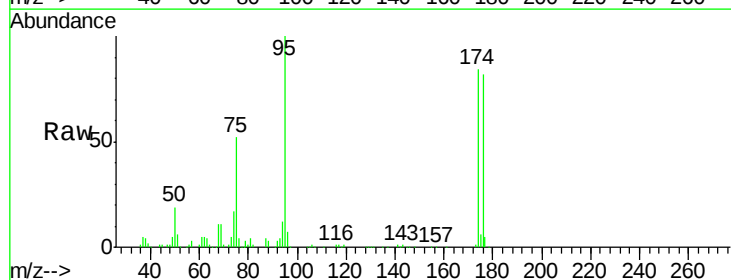


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

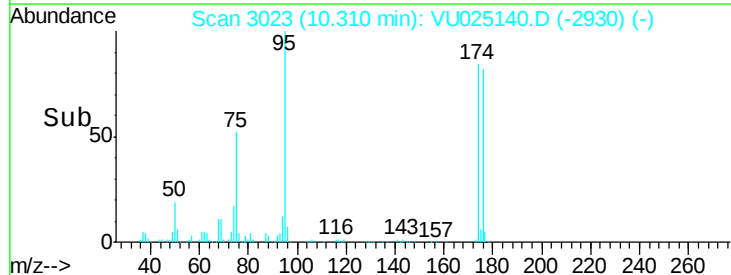
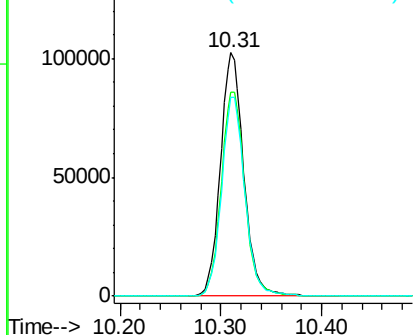


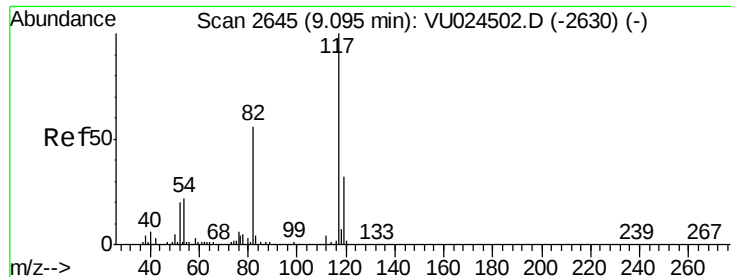
#62
 4-Bromofluorobenzene
 Concen: 44.54 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025140.D
 Acq: 02 Jul 2018 13:58

Tgt Ion: 95 Resp: 165627
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 165.8
 176 81.9 0.0 159.4



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

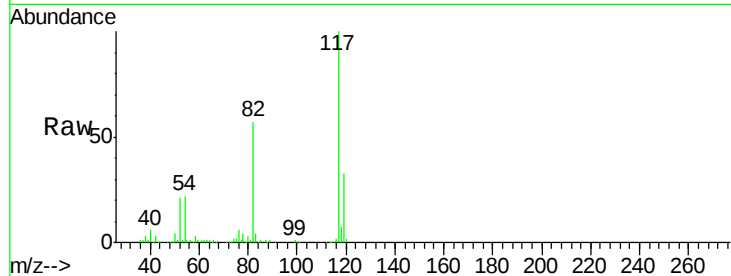




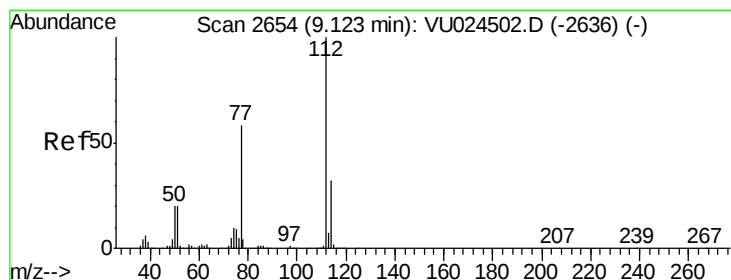
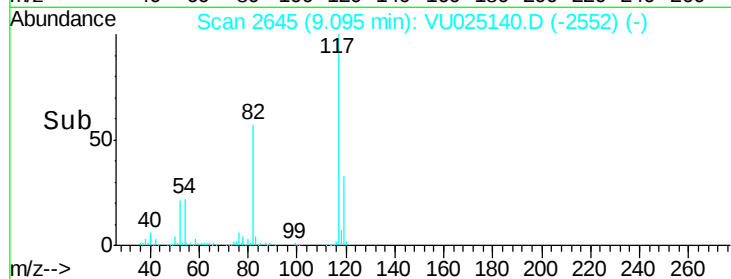
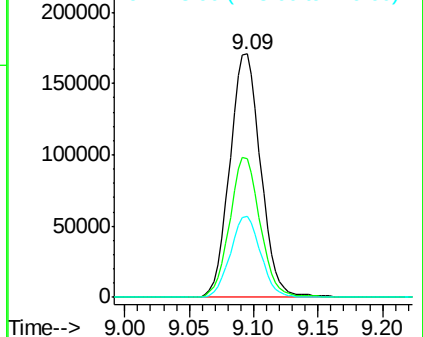
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025140.D
Acq: 02 Jul 2018 13:58

Instrument :
MSVOA_U
ClientSampleId :
WP021MW357-180625DL

Tot Ion:117 Resp: 284844
Ion Ratio Lower Upper
117 100
82 56.8 44.3 66.5
119 33.1 25.4 38.2

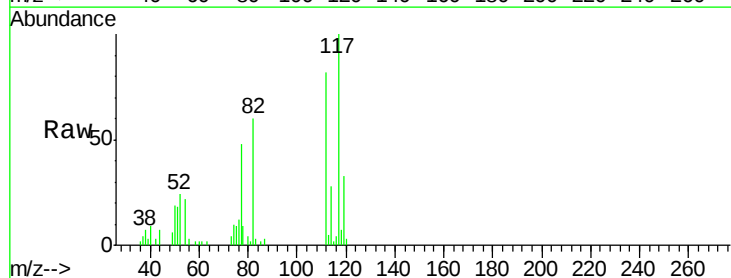


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

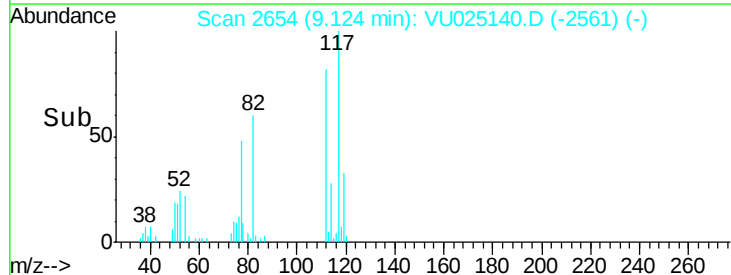
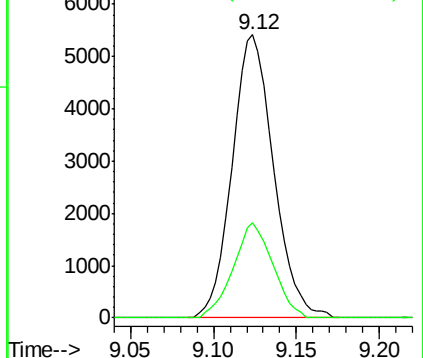


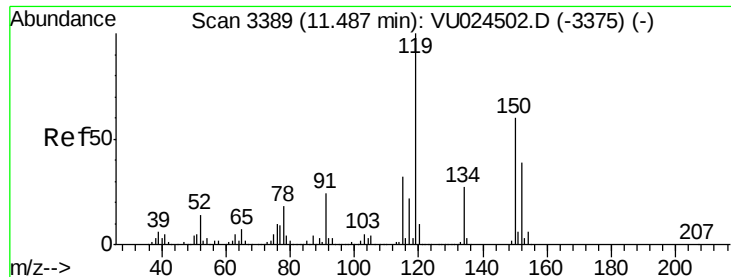
#65
Chlorobenzene
Concen: 1.29 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025140.D
Acq: 02 Jul 2018 13:58

Tgt Ion:112 Resp: 9423
Ion Ratio Lower Upper
112 100
114 33.6 25.6 38.4



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: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625DL

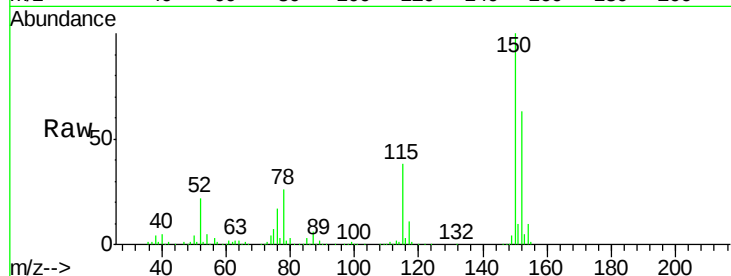
Tot Ion:152 Resp: 149122

Ion Ratio Lower Upper

152 100

115 58.4 43.0 129.0

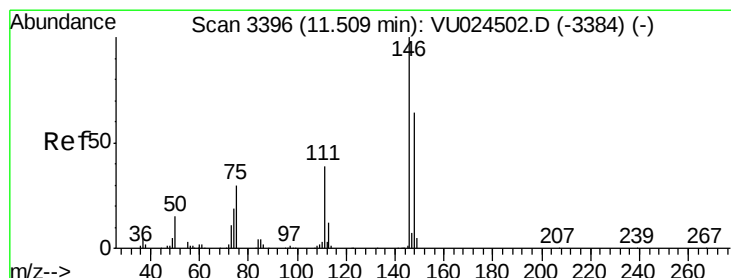
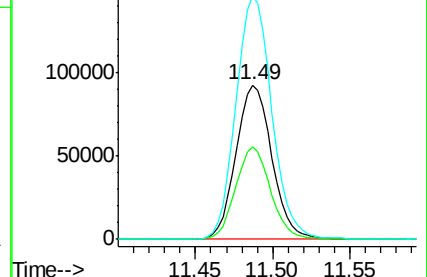
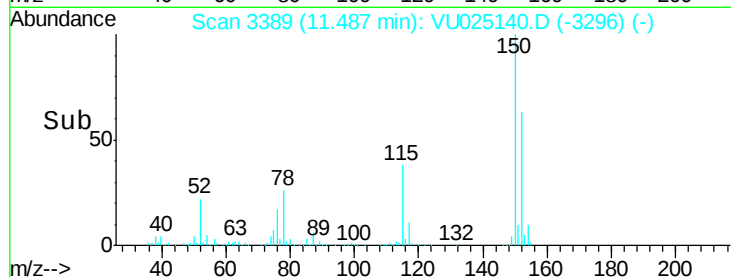
150 157.7 0.0 354.0



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



#88

1,4-Dichlorobenzene

Concen: 1.10 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

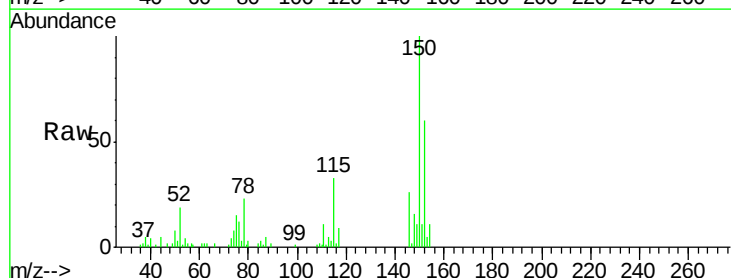
Tgt Ion:146 Resp: 5951

Ion Ratio Lower Upper

146 100

111 44.7 19.5 58.5

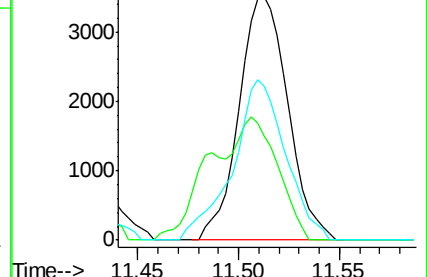
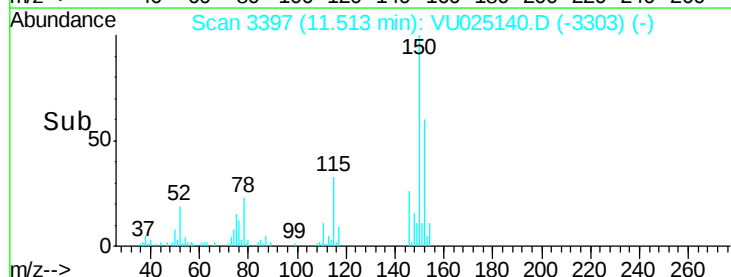
148 71.1 32.4 97.0

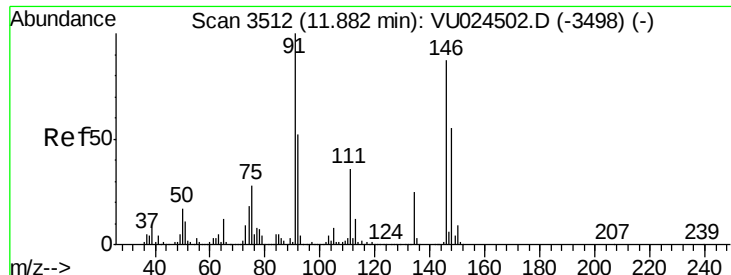


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 4.81 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025140.D

Acq: 02 Jul 2018 13:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625DL

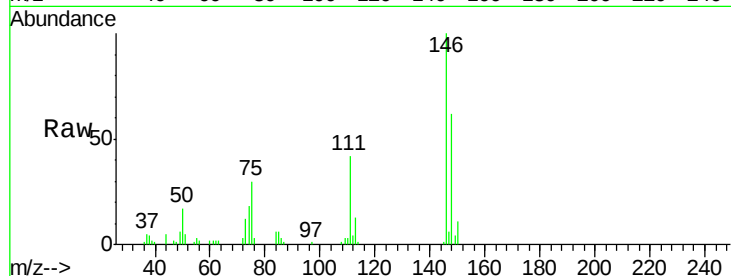
Tot Ion:146 Resp: 25775

Ion Ratio Lower Upper

146 100

111 43.2 20.5 61.6

148 63.9 31.9 95.7



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

