

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025095.D
 Acq On : 30 Jun 2018 18:00
 Operator : MD/SY
 Sample : J3759-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW349-180626

Quant Time: Jul 02 09:49:58 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	212218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	315824	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151136	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	162361	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
35) Dibromofluoromethane	4.89	113	124388	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	7.57	98	451164	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	10.31	95	170482	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

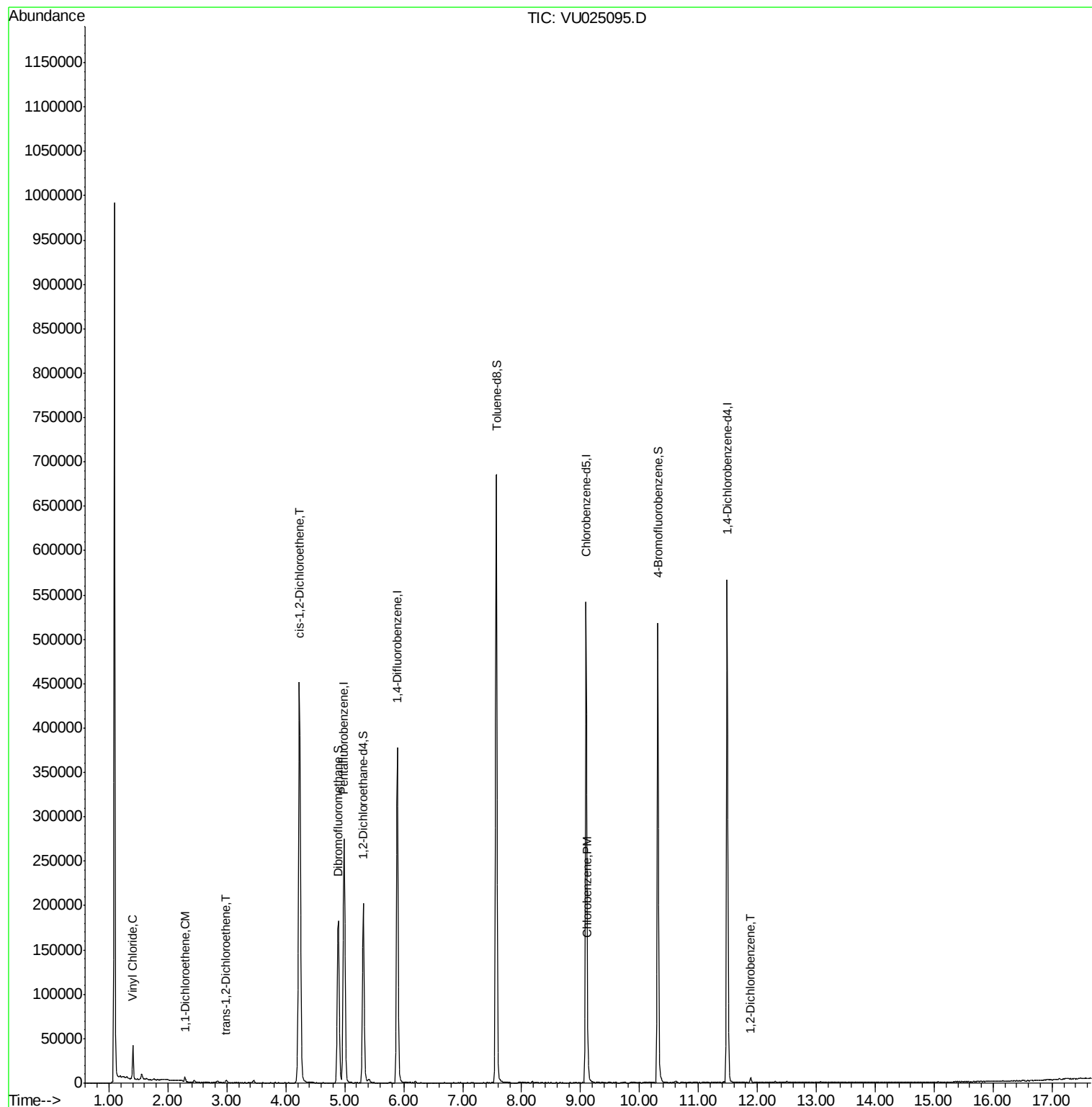
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	22907	8.18	ug/l	94
12) 1,1-Dichloroethene	2.29	96	1781	0.74	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	1349	0.51	ug/l	92
27) cis-1,2-Dichloroethene	4.23	96	254825	83.28	ug/l	88
65) Chlorobenzene	9.12	112	15228	2.04	ug/l	93
91) 1,2-Dichlorobenzene	11.89	146	2572	0.47	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

Instrument :

MSVOA_U

ClientSampleId :

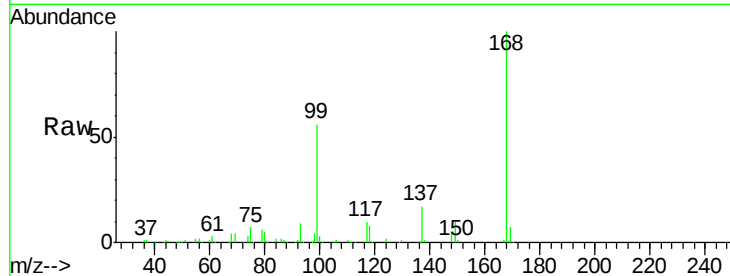
WP021MW349-180626

Tot Ion:168 Resp: 212218

Ion Ratio Lower Upper

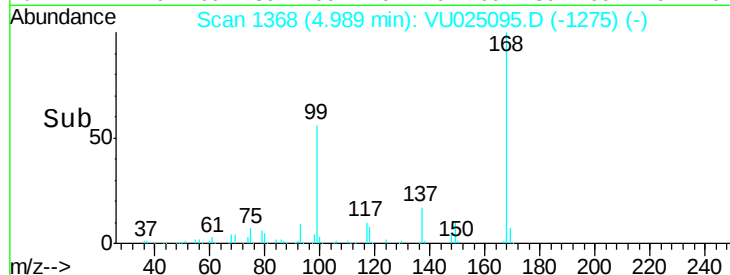
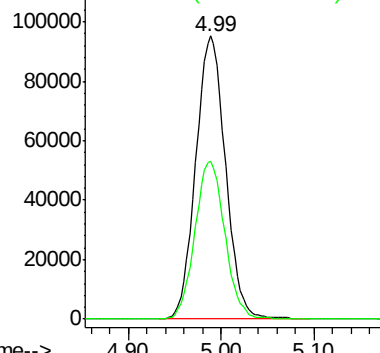
168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 8.18 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025095.D

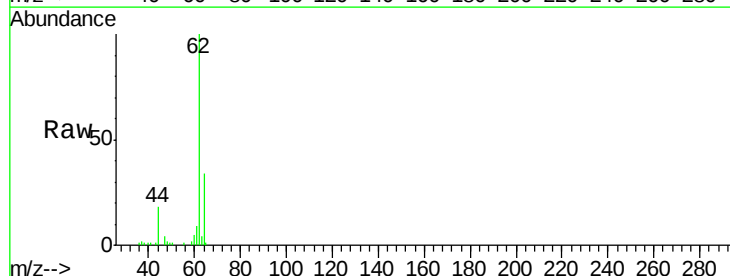
Acq: 30 Jun 2018 18:00

Tgt Ion: 62 Resp: 22907

Ion Ratio Lower Upper

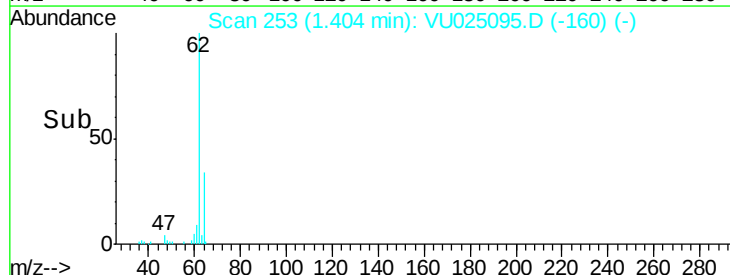
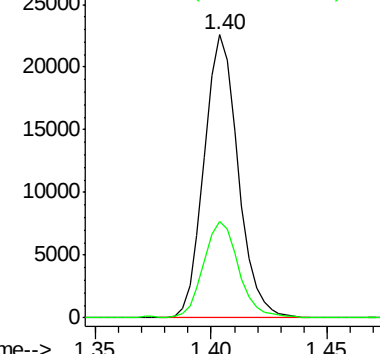
62 100

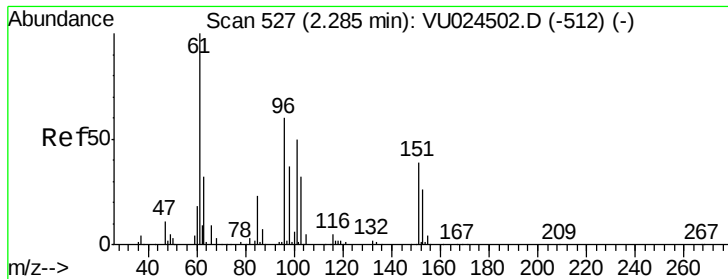
64 34.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#12

1,1-Dichloroethene

Concen: 0.74 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

Instrument :

MSVOA_U

ClientSampleId :

WP021MW349-180626

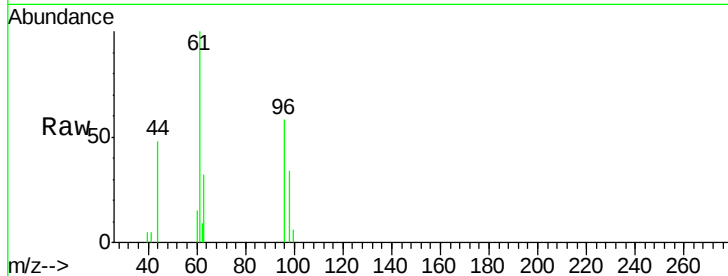
Tot Ion: 96 Resp: 1781

Ion Ratio Lower Upper

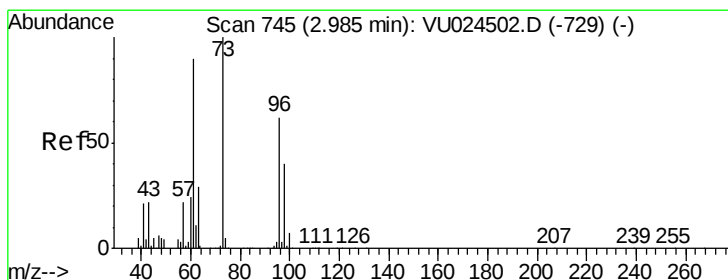
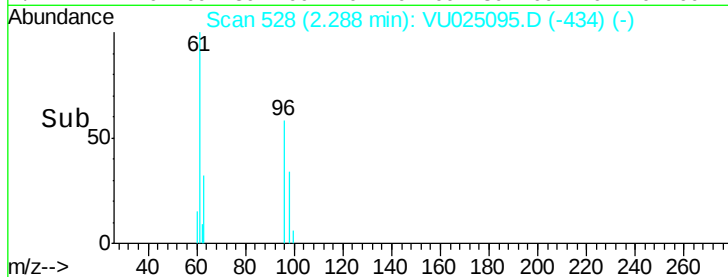
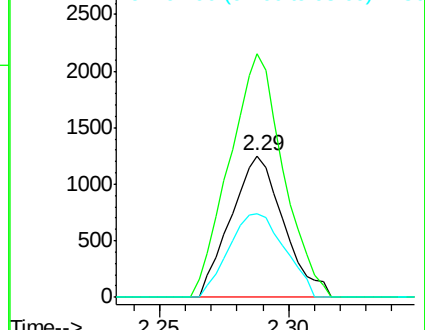
96 100

61 171.7 141.7 212.5

98 58.7 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 0.51 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

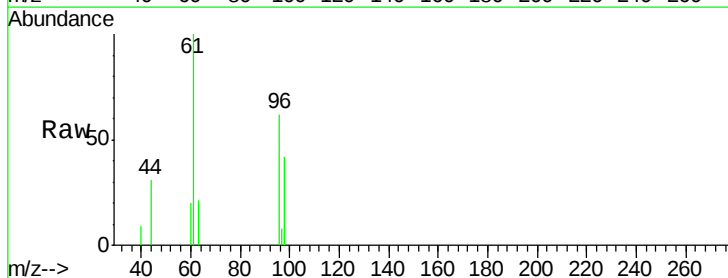
Tgt Ion: 96 Resp: 1349

Ion Ratio Lower Upper

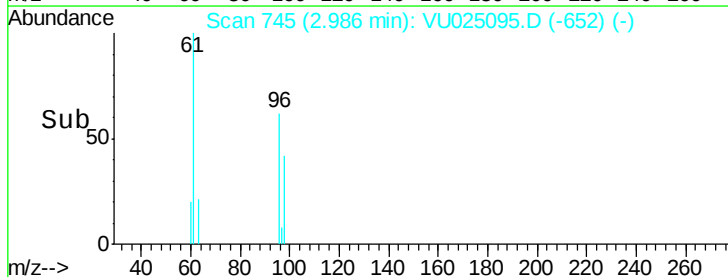
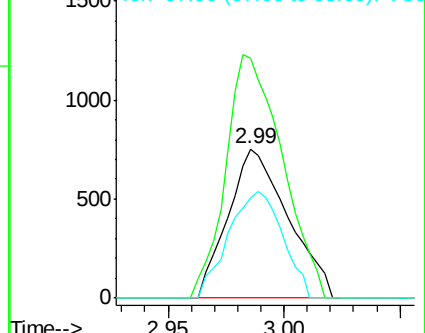
96 100

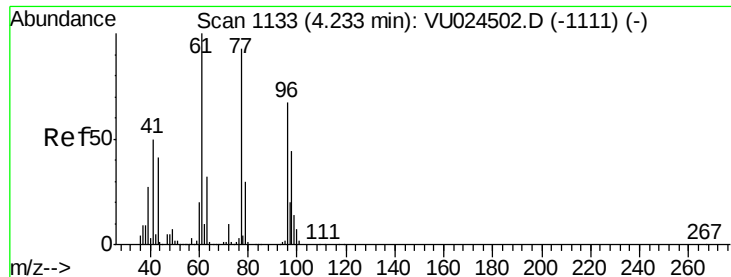
61 161.3 119.4 179.0

98 67.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 83.28 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

Instrument :

MSVOA_U

ClientSampleId :

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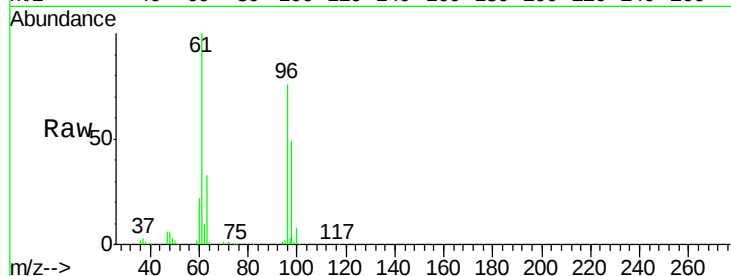
Tot Ion: 96 Resp: 254825

Ion Ratio Lower Upper

96 100

61 132.1 0.0 306.6

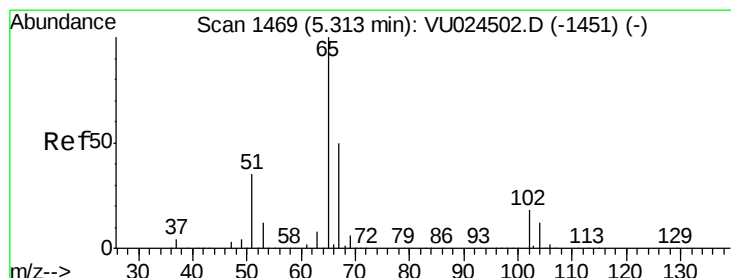
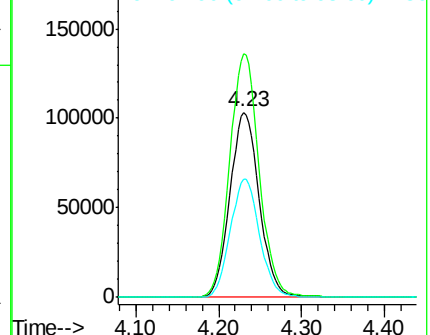
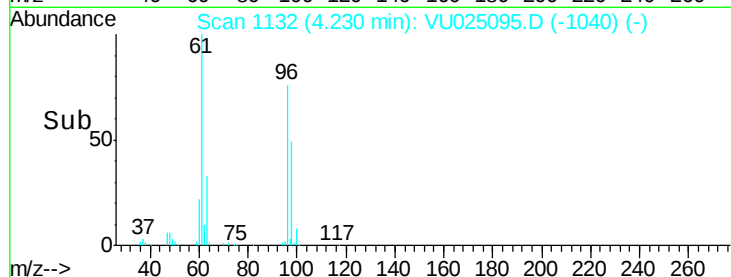
98 63.8 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 46.86 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025095.D

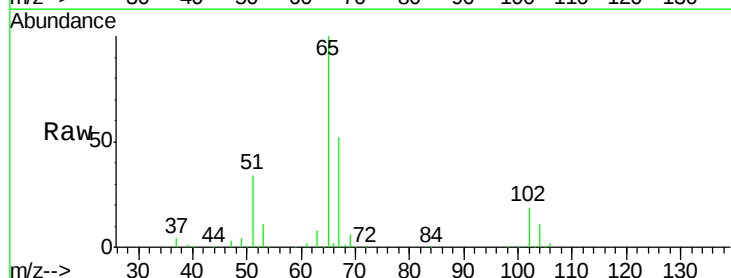
Acq: 30 Jun 2018 18:00

Tgt Ion: 65 Resp: 162361

Ion Ratio Lower Upper

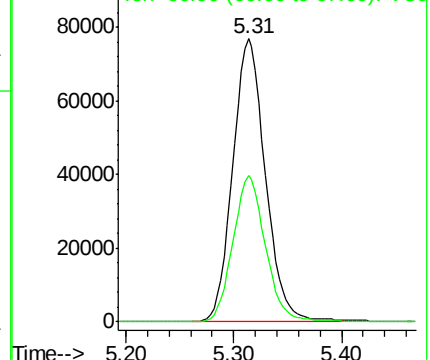
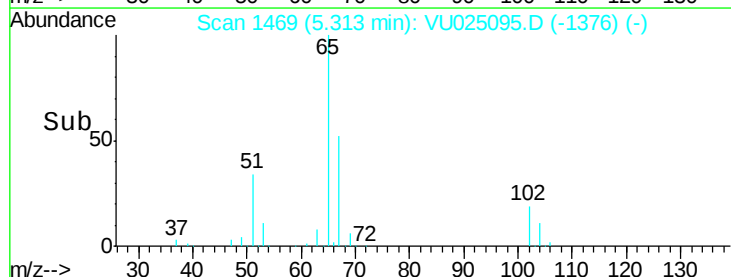
65 100

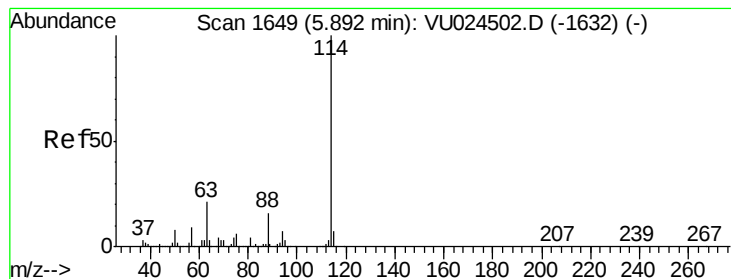
67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

Instrument :

MSVOA_U

ClientSampleId :

WP021MW349-180626

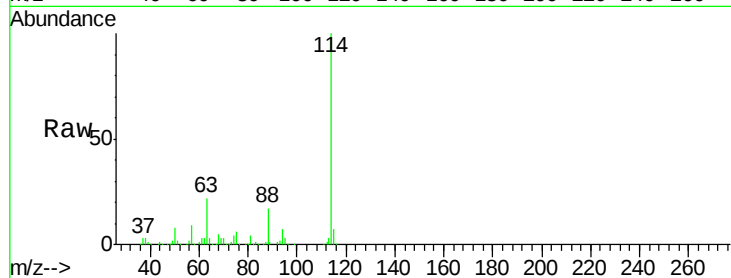
Tot Ion:114 Resp: 315824

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.4

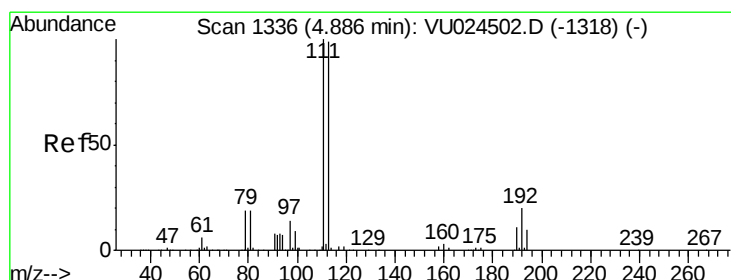
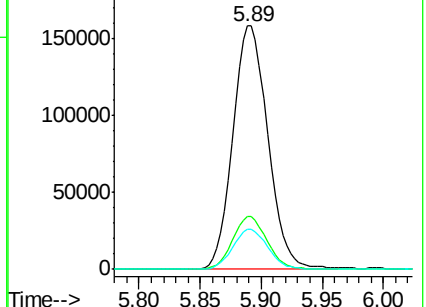
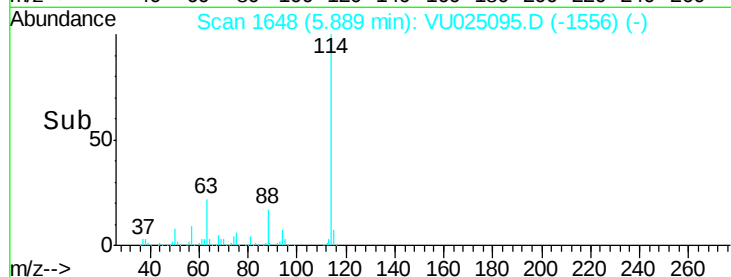
88 16.6 0.0 31.0



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: 47.46 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

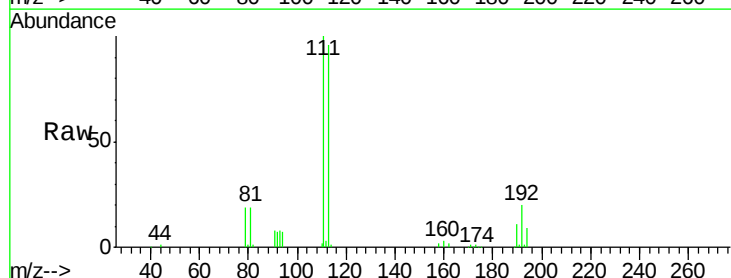
Tgt Ion:113 Resp: 124388

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

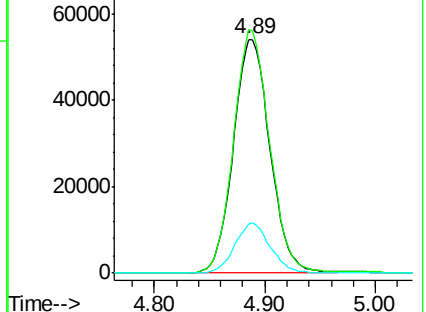
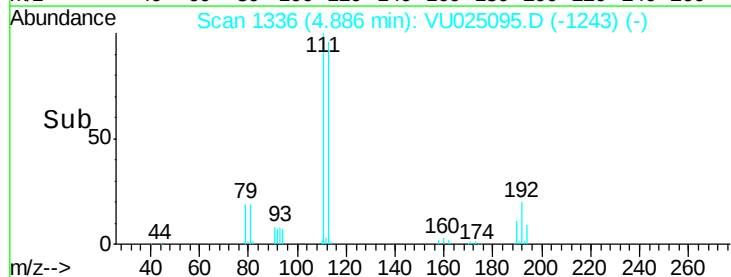
192 20.8 16.2 24.4



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





#50

Toluene-d8

Concen: 47.19 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

Instrument :

MSVOA_U

ClientSampleId :

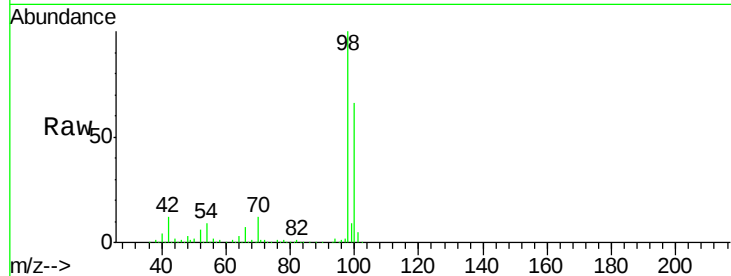
WP021MW349-180626

Tot Ion: 98 Resp: 451164

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

250000

200000

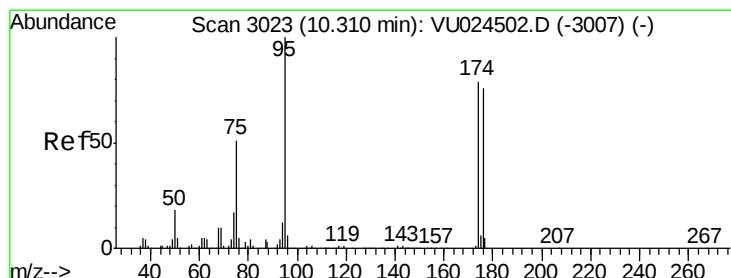
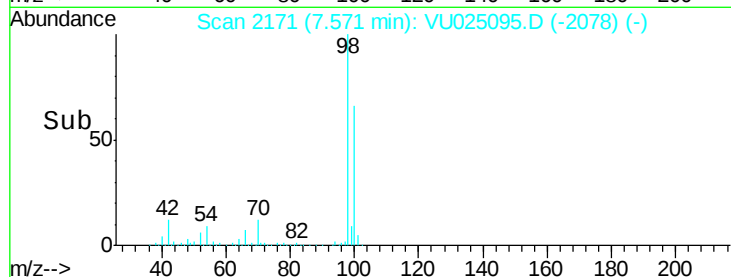
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.91 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

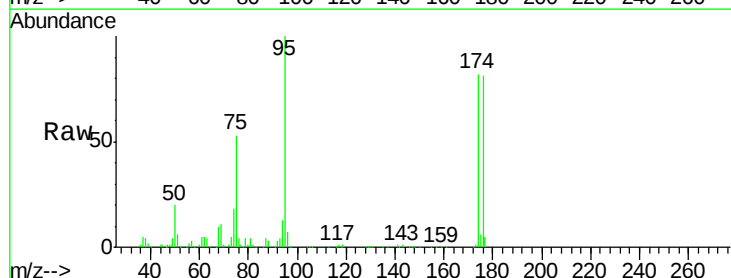
Tgt Ion: 95 Resp: 170482

Ion Ratio Lower Upper

95 100

174 83.5 0.0 165.8

176 82.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

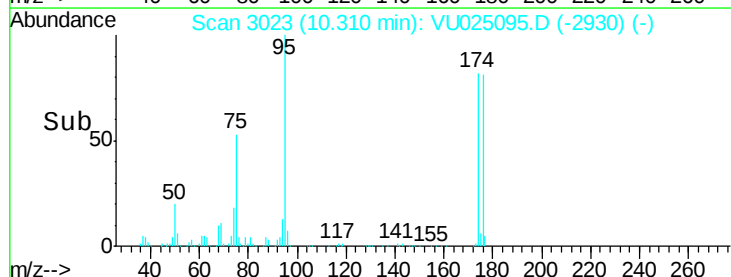
10.31

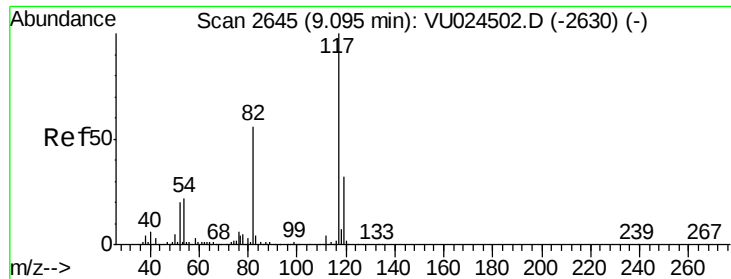
100000

50000

0

Time-->

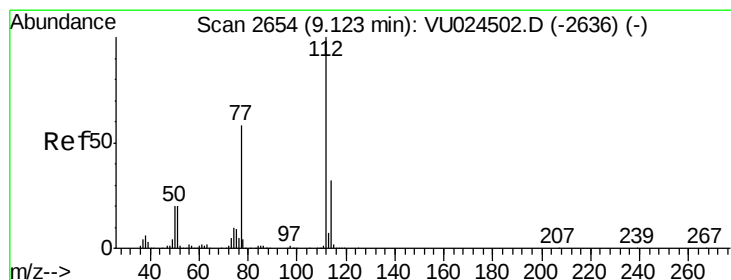
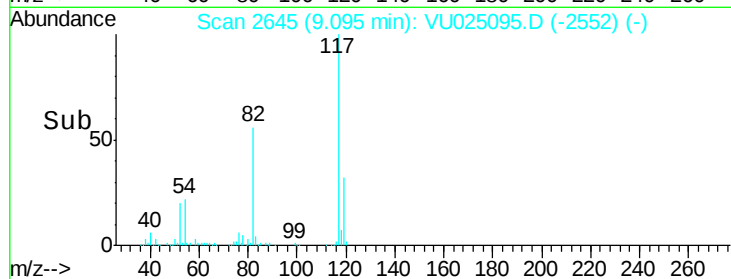
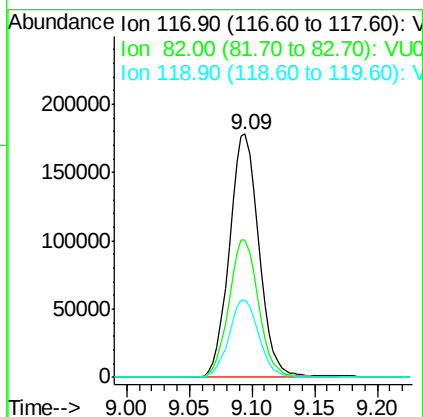
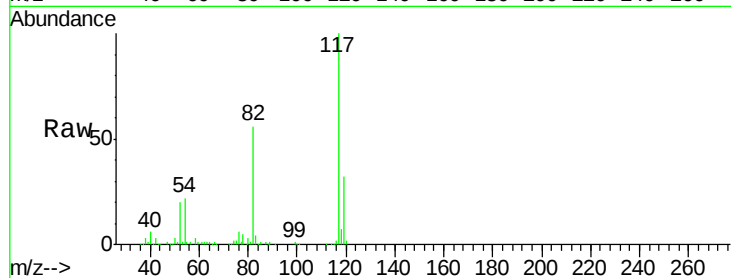




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025095.D
Acq: 30 Jun 2018 18:00

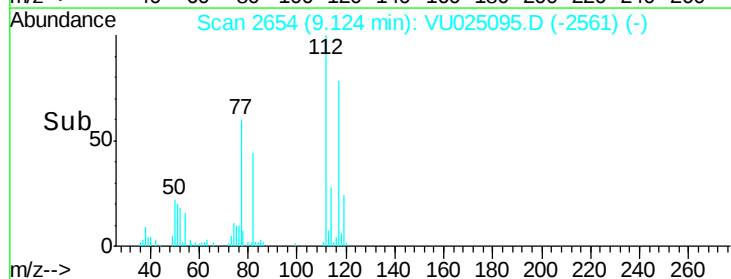
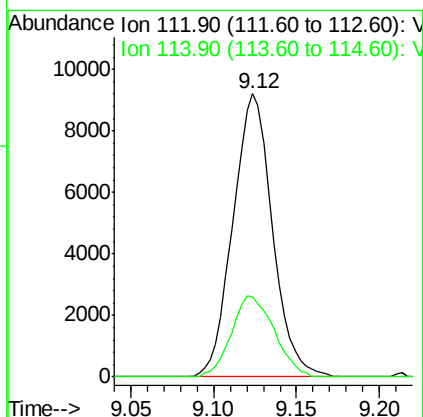
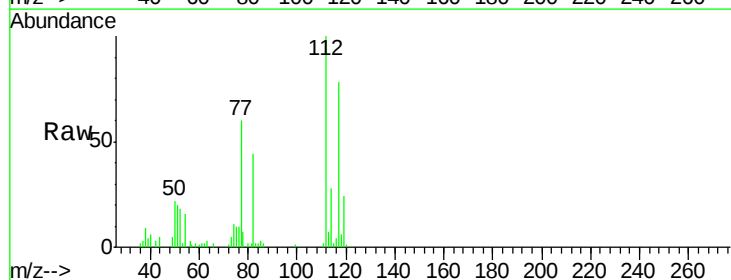
Instrument :
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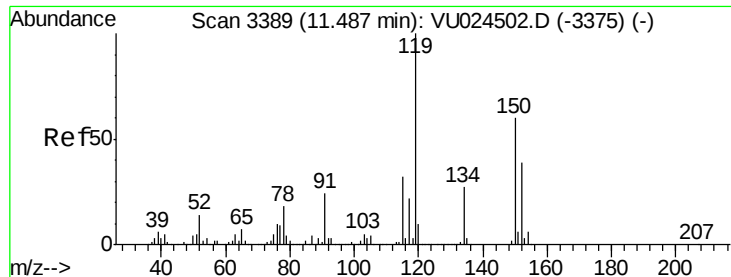
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	31.8	25.4	38.2



#65
Chlorobenzene
Concen: 2.04 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025095.D
Acq: 30 Jun 2018 18:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.4	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

Instrument :

MSVOA_U

ClientSampleId :

WP021MW349-180626

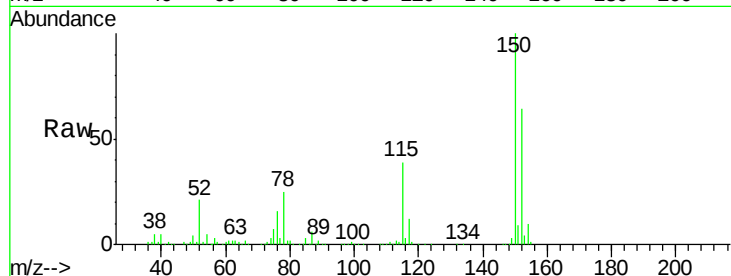
Tot Ion:152 Resp: 151136

Ion Ratio Lower Upper

152 100

115 59.4 43.0 129.0

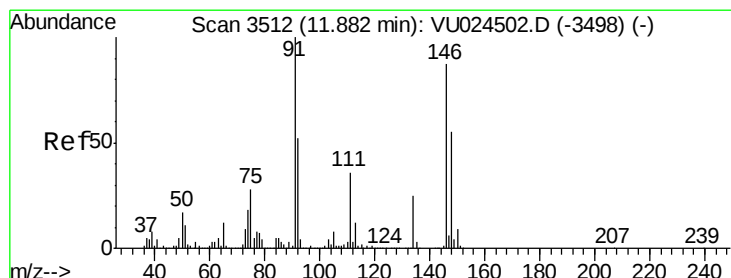
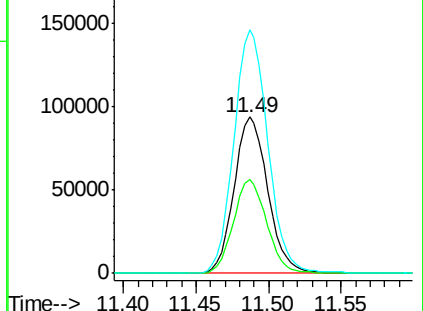
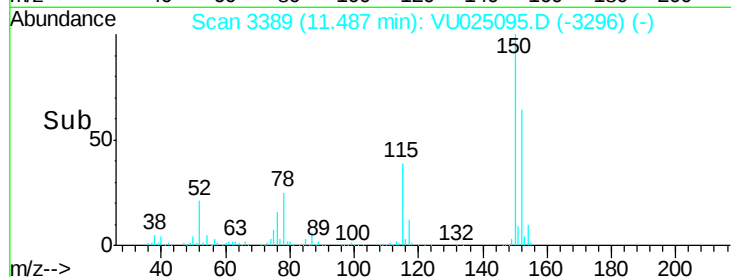
150 157.1 0.0 354.0



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



#91

1,2-Dichlorobenzene

Concen: 0.47 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU025095.D

Acq: 30 Jun 2018 18:00

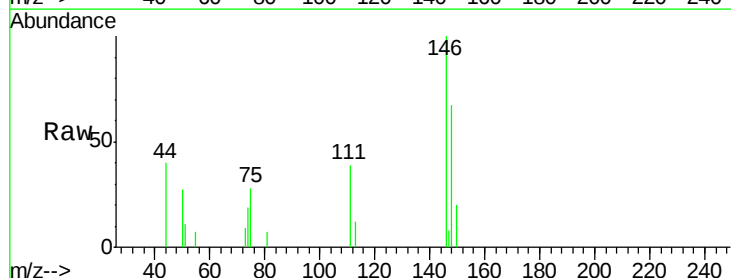
Tgt Ion:146 Resp: 2572

Ion Ratio Lower Upper

146 100

111 40.6 20.5 61.6

148 66.0 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

