

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024757.D
 Acq On : 20 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3577-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 543-IW-15

Quant Time: Jun 21 12:36:48 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

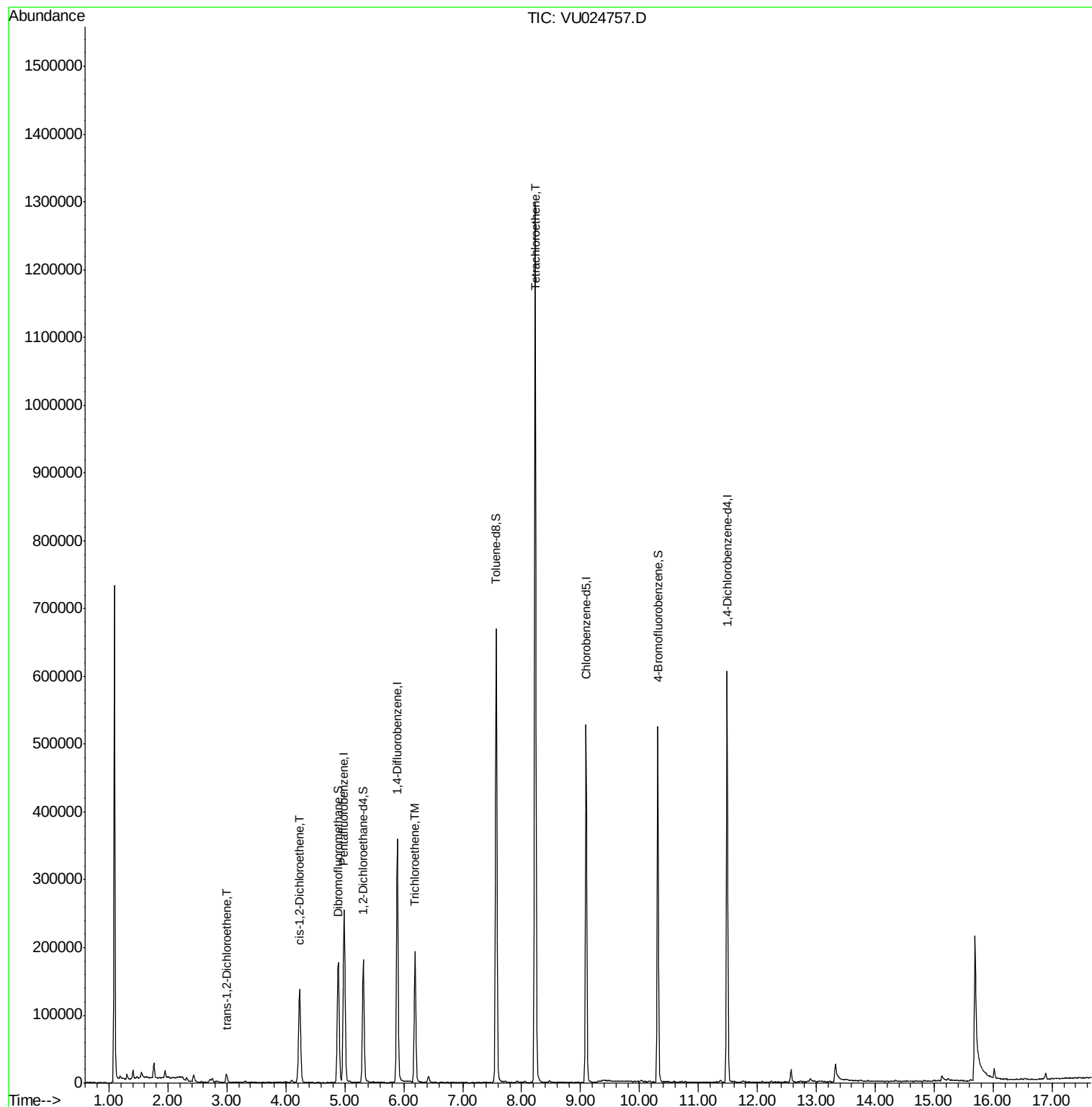
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314494	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157786	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138464	42.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.96%	
35) Dibromofluoromethane	4.89	113	120346	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
50) Toluene-d8	7.57	98	452968	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	10.31	95	163732	43.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.64%	
Target Compounds						
21) trans-1,2-Dichloroethene	2.99	96	3583	1.43	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	80308	27.89	ug/l	84
44) Trichloroethene	6.19	130	68712	22.93	ug/l	96
64) Tetrachloroethene	8.23	164	289551	105.60	ug/l	97

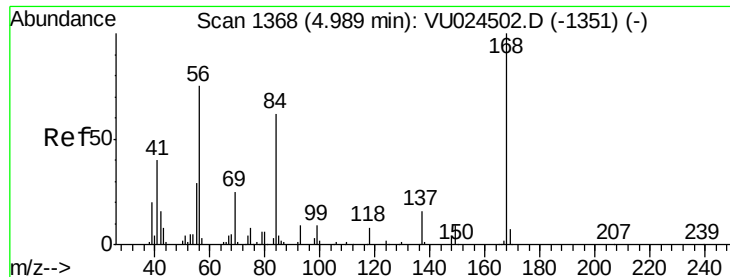
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024757.D

Acq: 20 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

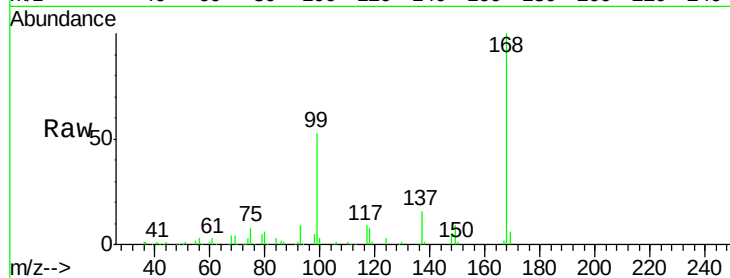
543-IW-15

Tot Ion:168 Resp: 199681

Ion Ratio Lower Upper

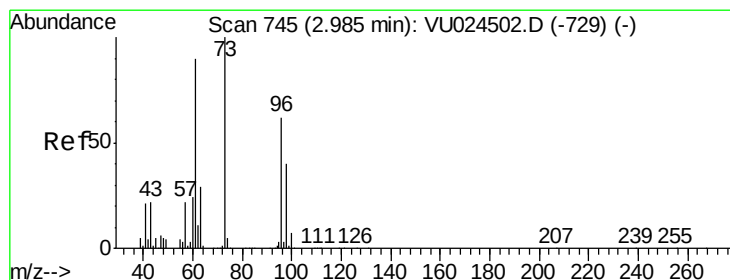
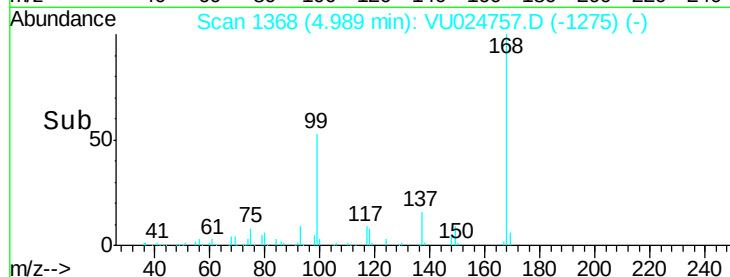
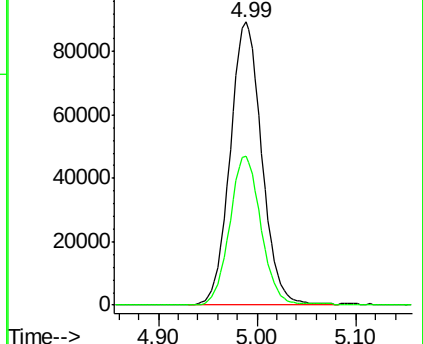
168 100

99 52.6 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) (-)



#21

trans-1,2-Dichloroethene

Concen: 1.43 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

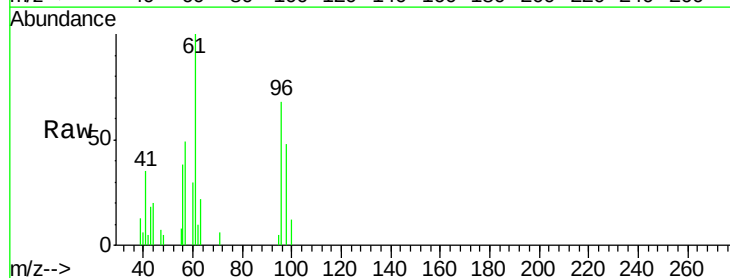
Tgt Ion: 96 Resp: 3583

Ion Ratio Lower Upper

96 100

61 148.0 119.4 179.0

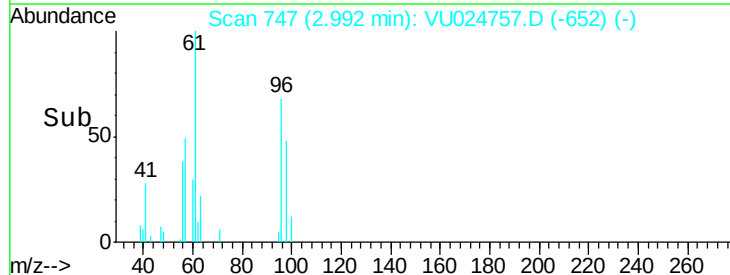
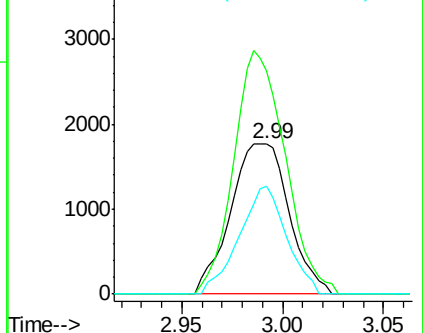
98 71.8 51.1 76.7

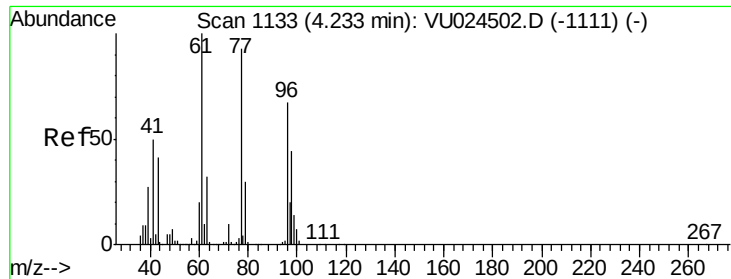


Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-729) (-)





#27

cis-1,2-Dichloroethene

Concen: 27.89 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

543-IW-15

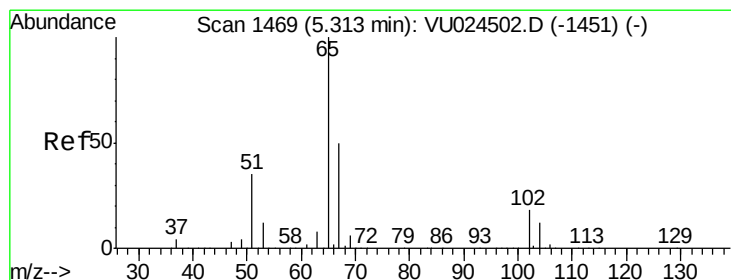
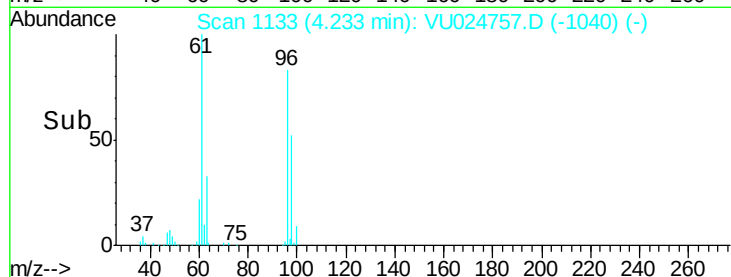
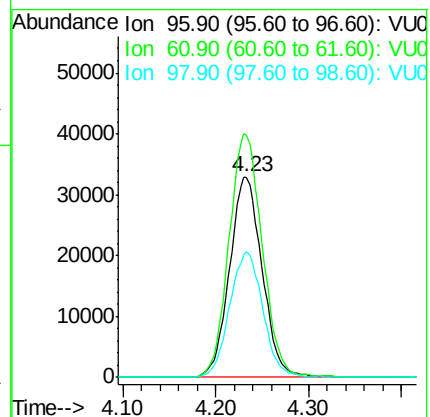
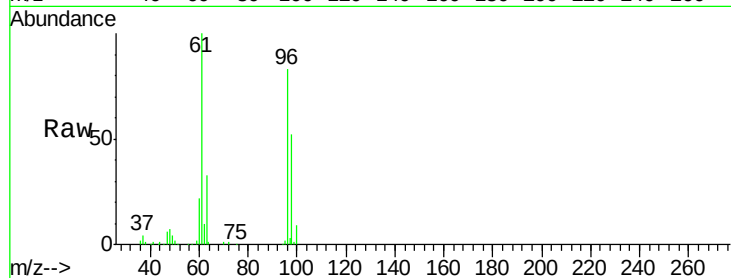
Tot Ion: 96 Resp: 80308

Ion Ratio Lower Upper

96 100

61 123.7 0.0 306.6

98 63.6 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 42.48 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024757.D

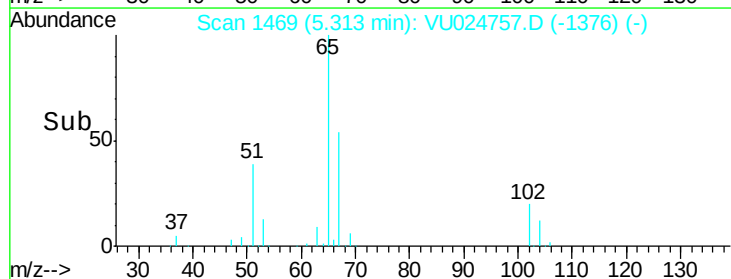
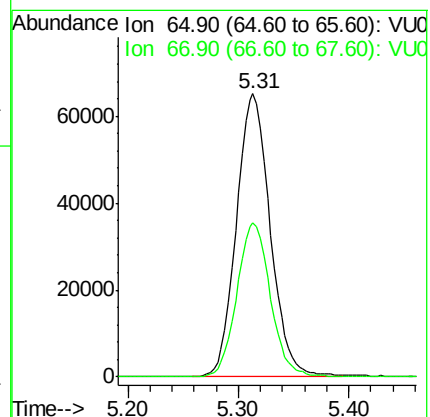
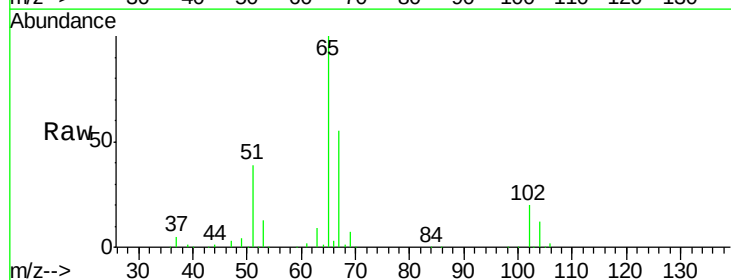
Acq: 20 Jun 2018 14:59

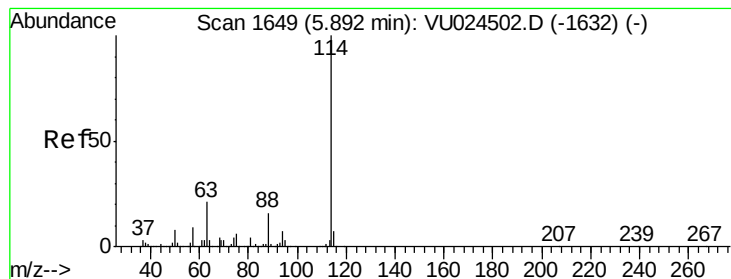
Tgt Ion: 65 Resp: 138464

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

543-IW-15

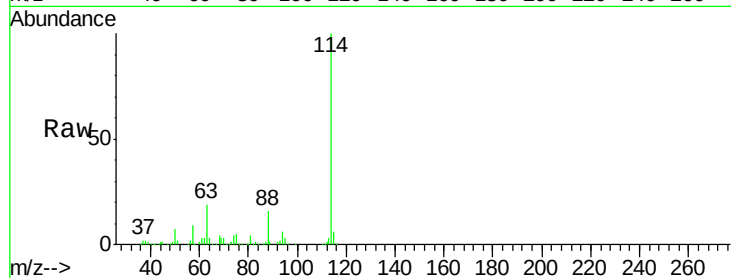
Tot Ion:114 Resp: 314494

Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.4

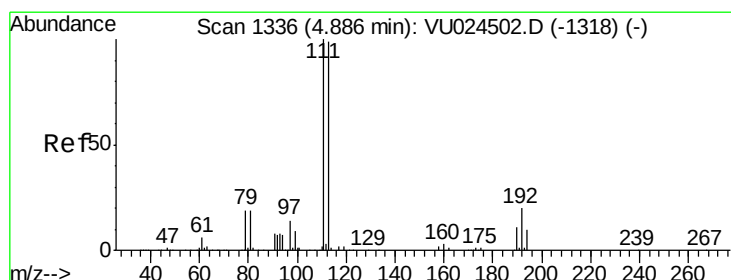
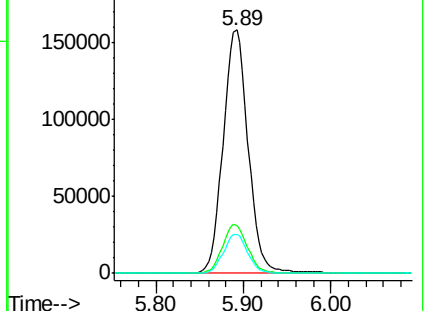
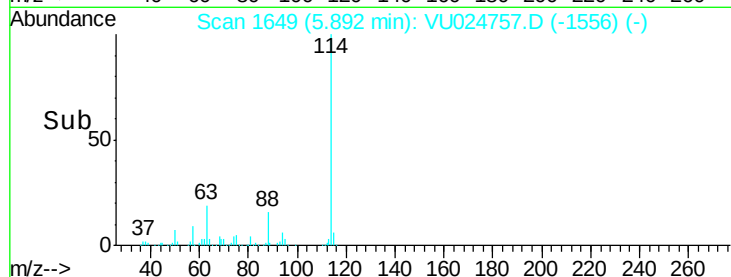
88 16.1 0.0 31.0



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: 46.11 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

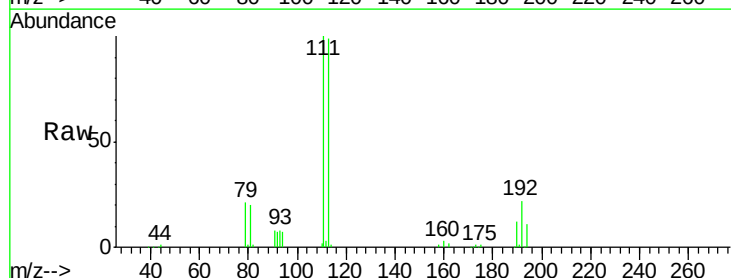
Tgt Ion:113 Resp: 120346

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

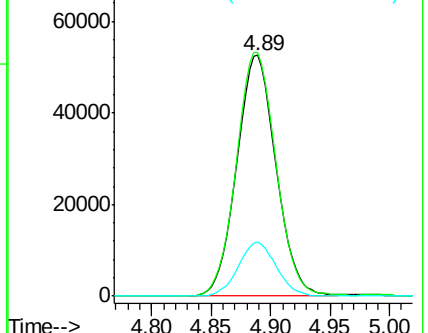
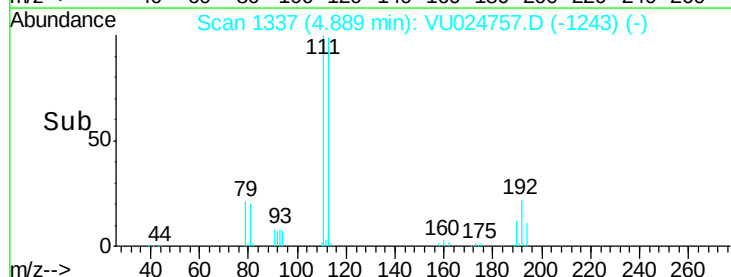
192 21.6 16.2 24.4

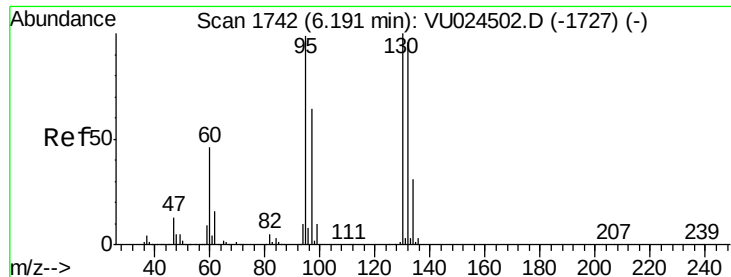


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 22.93 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

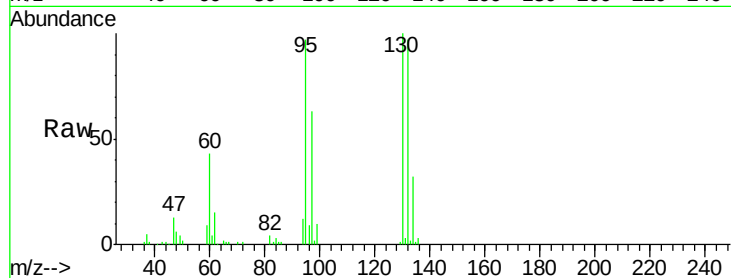
543-IW-15

Tot Ion:130 Resp: 68712

Ion Ratio Lower Upper

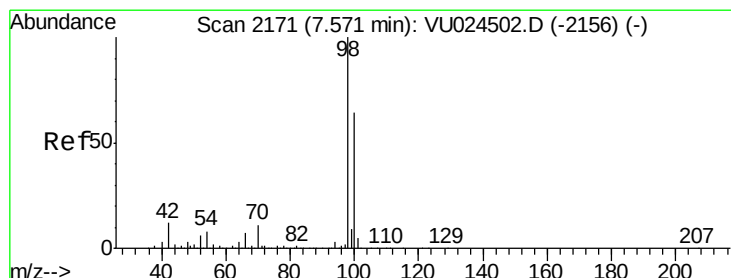
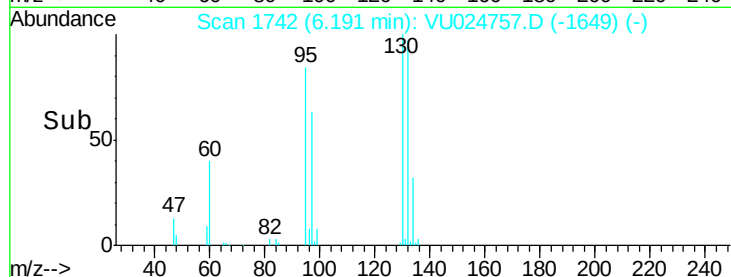
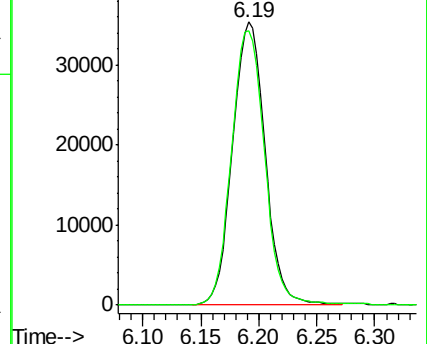
130 100

95 97.0 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: 47.58 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024757.D

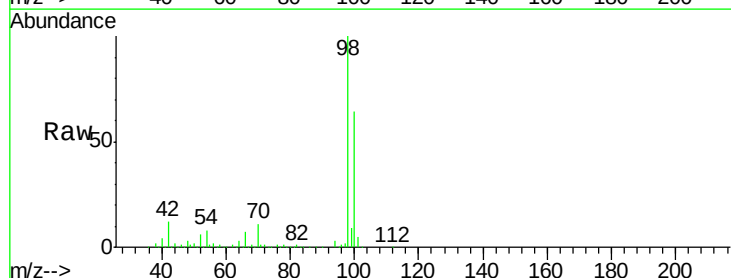
Acq: 20 Jun 2018 14:59

Tgt Ion: 98 Resp: 452968

Ion Ratio Lower Upper

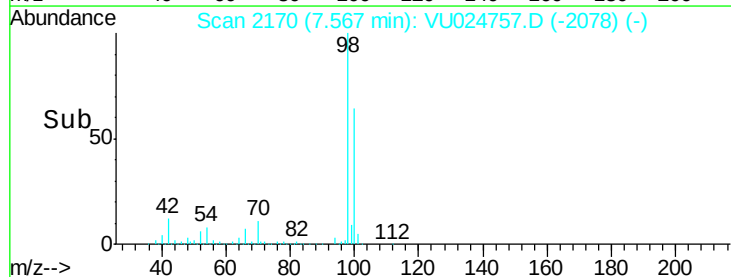
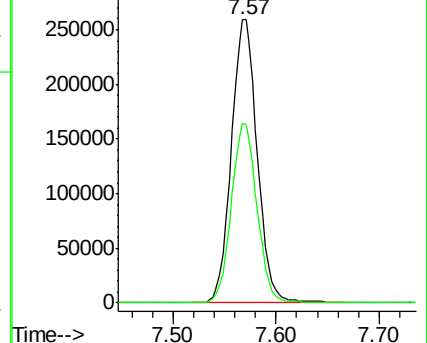
98 100

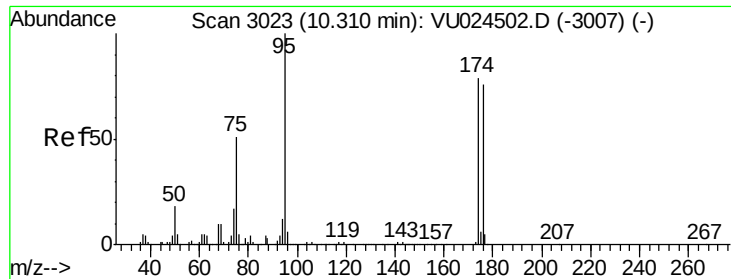
100 63.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 43.32 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

543-IW-15

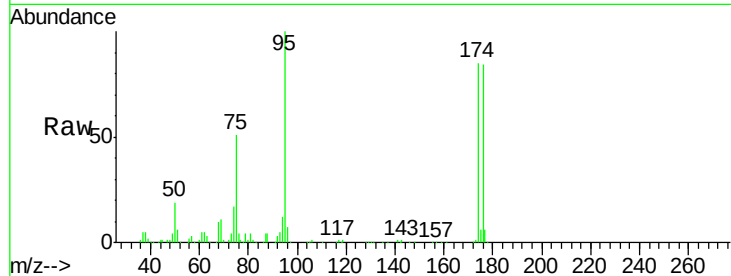
Tot Ion: 95 Resp: 163732

Ion Ratio Lower Upper

95 100

174 85.7 0.0 165.8

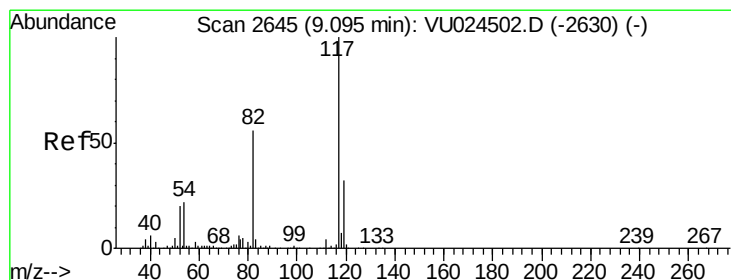
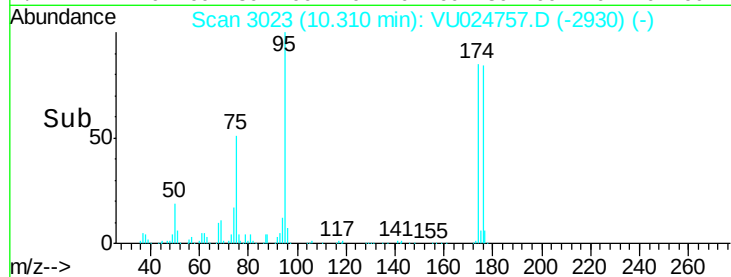
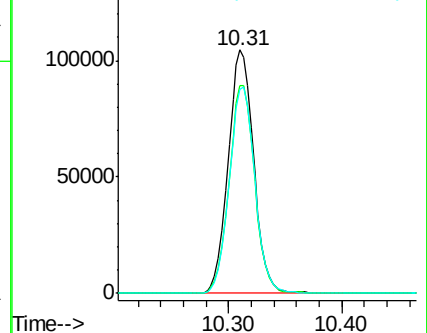
176 85.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024757.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024757.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024757.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

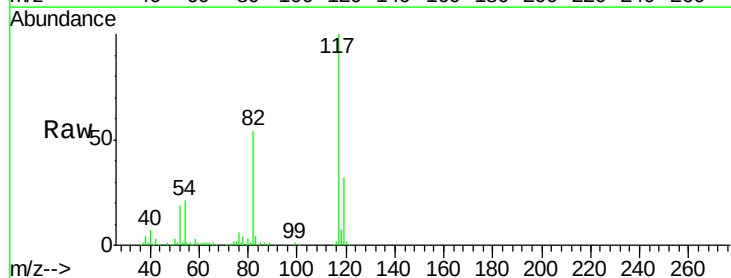
Tgt Ion: 117 Resp: 288454

Ion Ratio Lower Upper

117 100

82 53.9 44.3 66.5

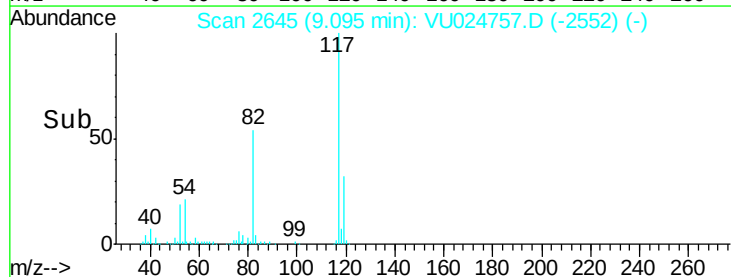
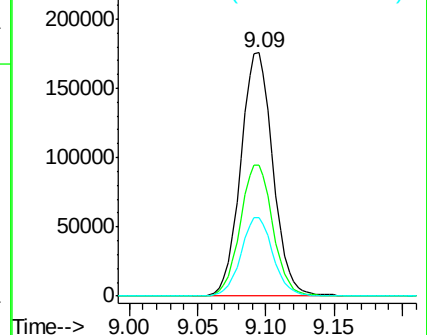
119 32.5 25.4 38.2

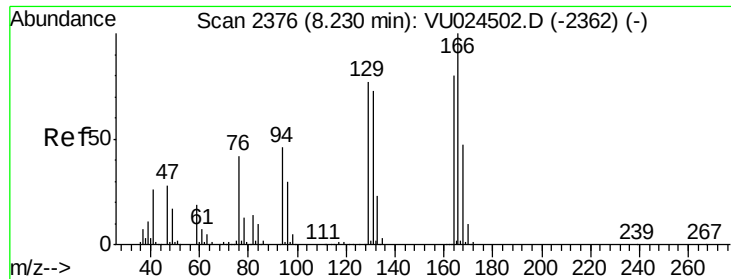


Abundance Ion 116.90 (116.60 to 117.60): VU024757.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024757.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024757.D (-2552) (-)





#64

Tetrachloroethene

Concen: 105.60 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU024757.D

Acq: 20 Jun 2018 14:59

Instrument :

MSVOA_U

ClientSampleId :

543-IW-15

Tot Ion:164 Resp: 289551

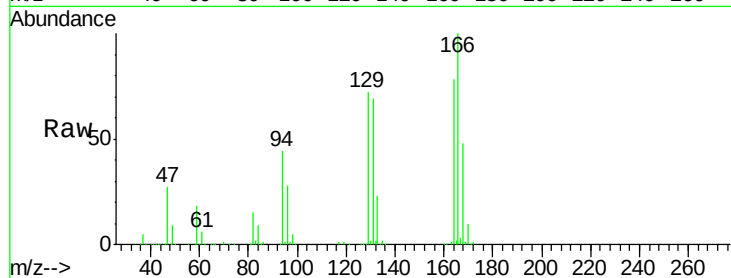
Ion Ratio Lower Upper

164 100

166 128.6 101.7 152.5

129 92.1 76.9 115.3

131 89.0 74.9 112.3

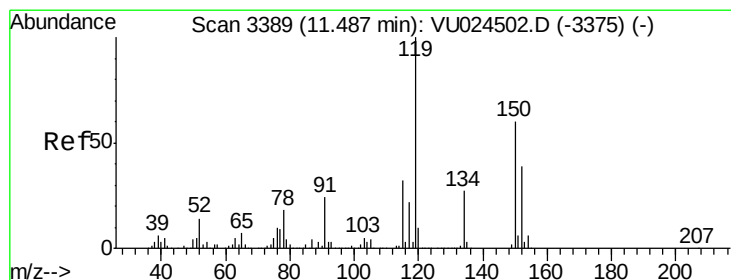
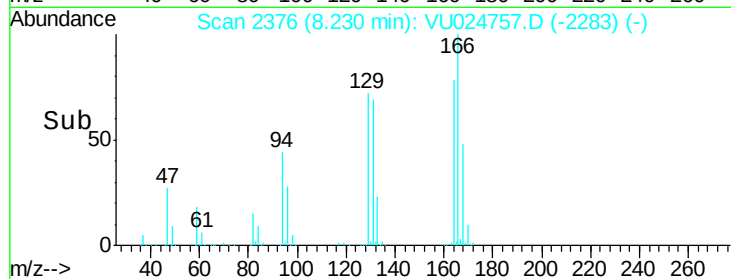
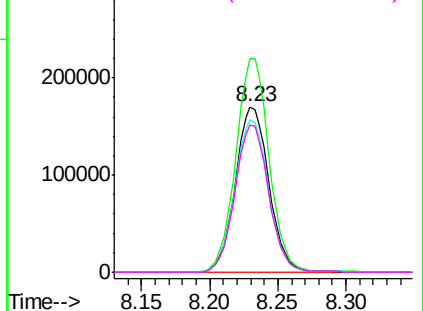


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VU024757.D

Acq: 20 Jun 2018 14:59

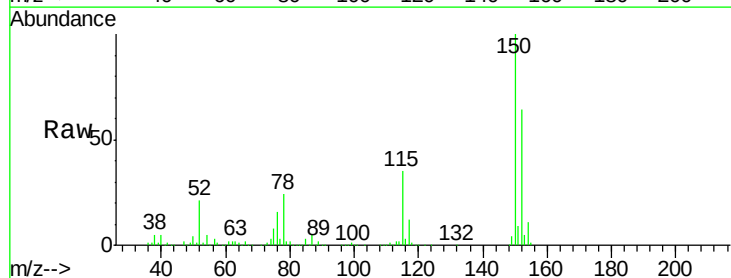
Tgt Ion:152 Resp: 157786

Ion Ratio Lower Upper

152 100

115 55.4 43.0 129.0

150 156.1 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

