

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024756.D
 Acq On : 20 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3577-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 542-IW-14

Quant Time: Jun 20 15:19:47 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

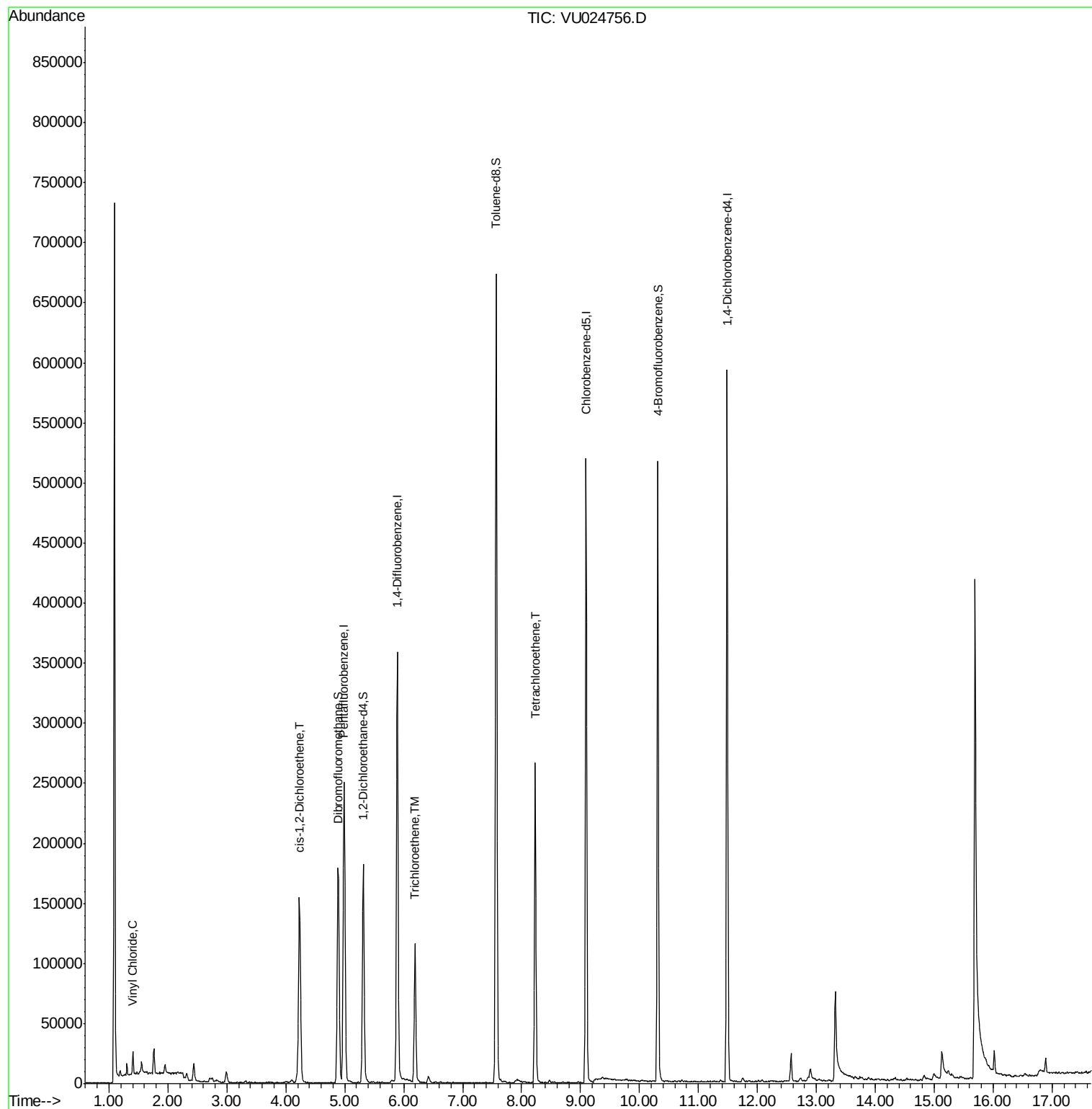
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309671	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	139592	43.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.56%	
35) Dibromofluoromethane	4.89	113	120680	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
50) Toluene-d8	7.57	98	446122	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	10.31	95	160296	43.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.14%	
Target Compounds						
4) Vinyl Chloride	1.40	62	5925	2.27	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	88776	31.16	ug/l	84
44) Trichloroethene	6.19	130	39821	13.49	ug/l	92
64) Tetrachloroethene	8.23	164	58721	21.67	ug/l	98

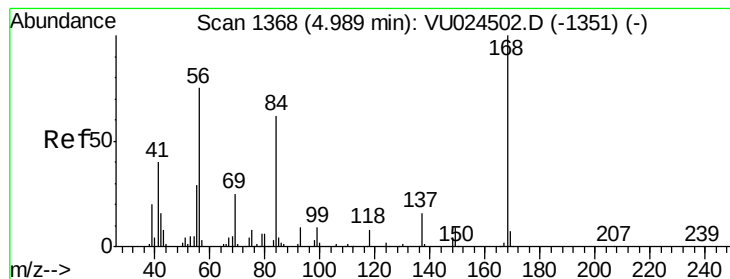
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024756.D

Acq: 20 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

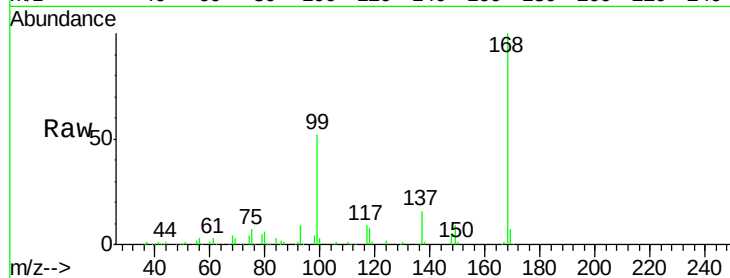
542-IW-14

Tot Ion:168 Resp: 197581

Ion Ratio Lower Upper

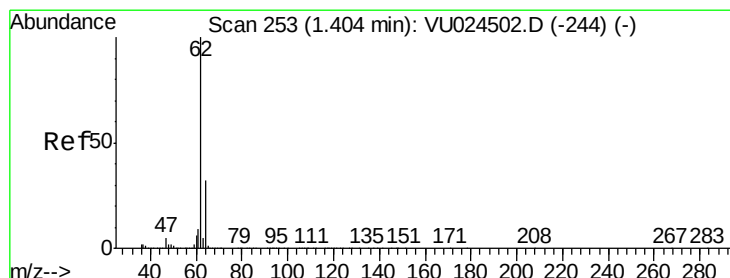
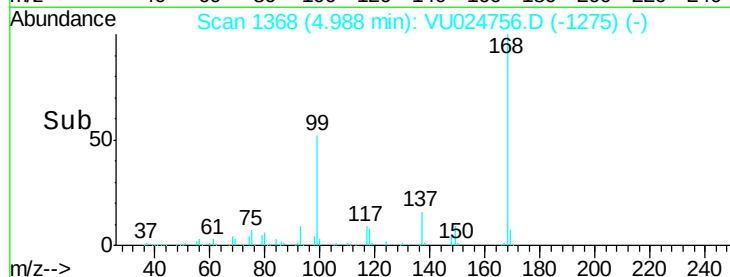
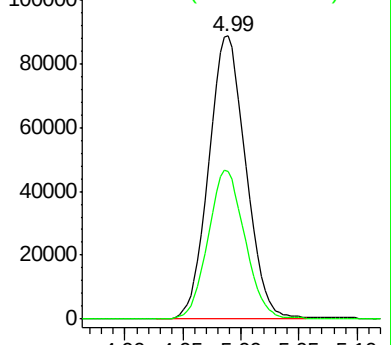
168 100

99 52.4 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: 2.27 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024756.D

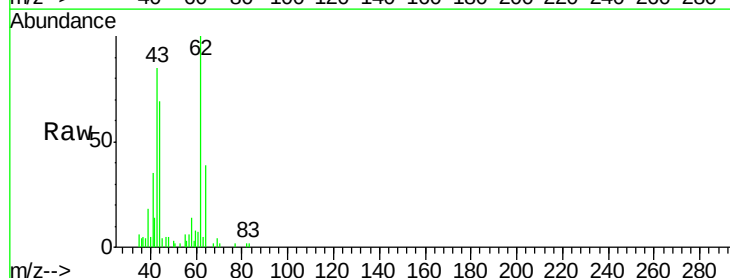
Acq: 20 Jun 2018 14:35

Tgt Ion: 62 Resp: 5925

Ion Ratio Lower Upper

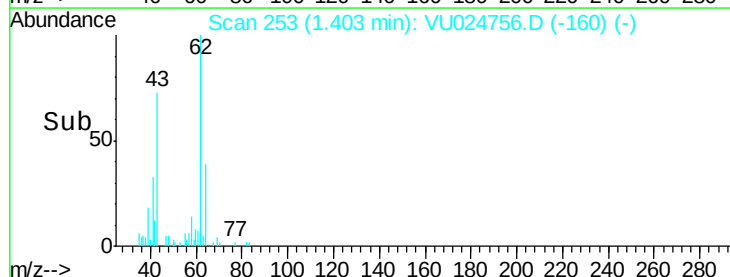
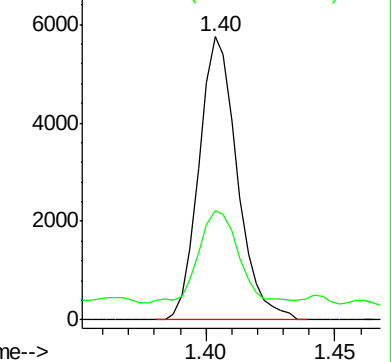
62 100

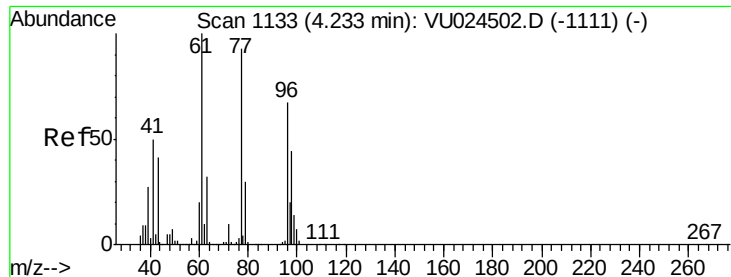
64 31.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 31.16 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024756.D

Acq: 20 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

542-IW-14

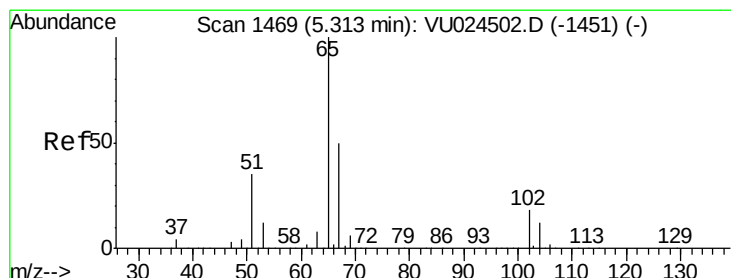
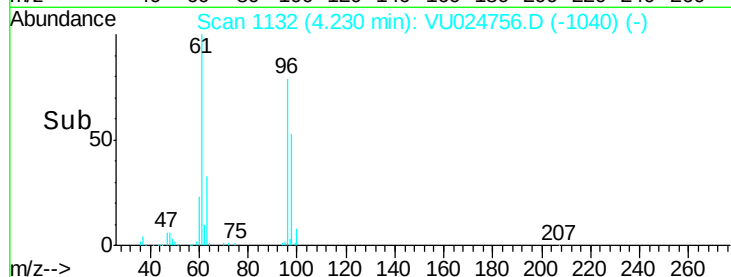
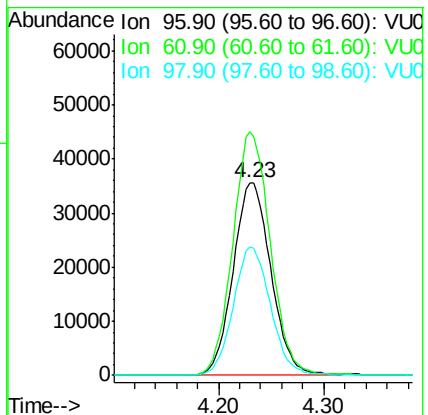
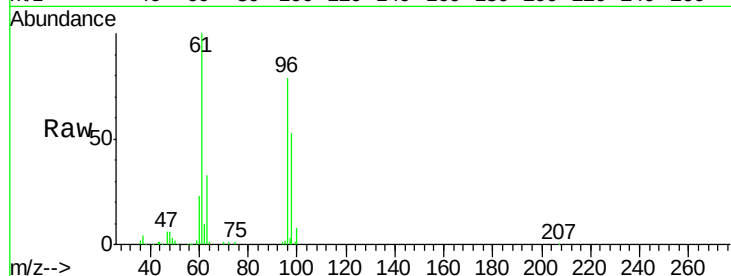
Tot Ion: 96 Resp: 88776

Ion Ratio Lower Upper

96 100

61 125.0 0.0 306.6

98 65.4 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 43.28 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024756.D

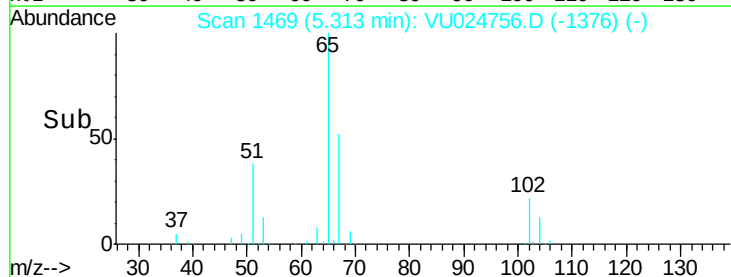
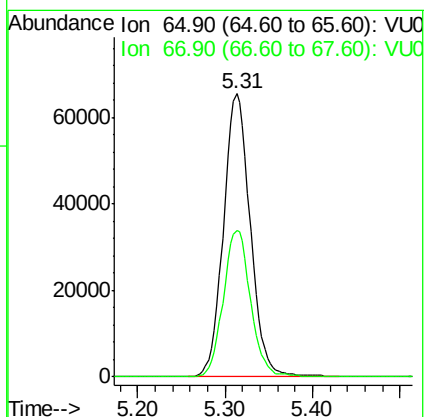
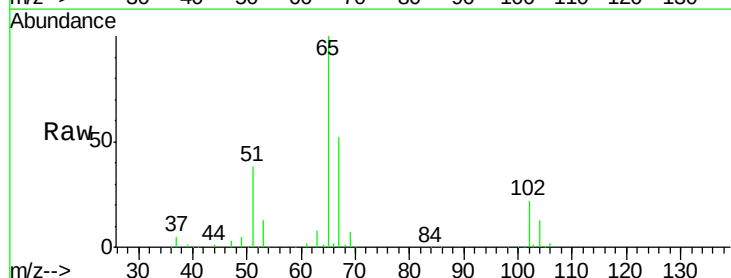
Acq: 20 Jun 2018 14:35

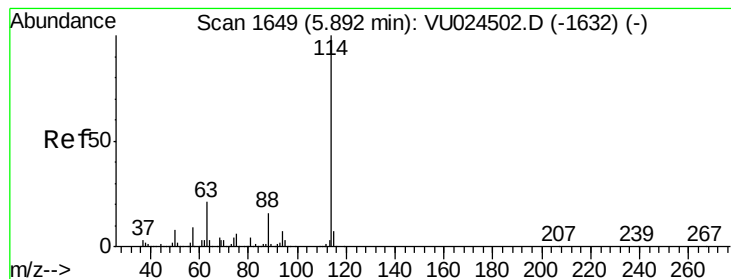
Tgt Ion: 65 Resp: 139592

Ion Ratio Lower Upper

65 100

67 52.6 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: VU024756.D

Acq: 20 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

542-IW-14

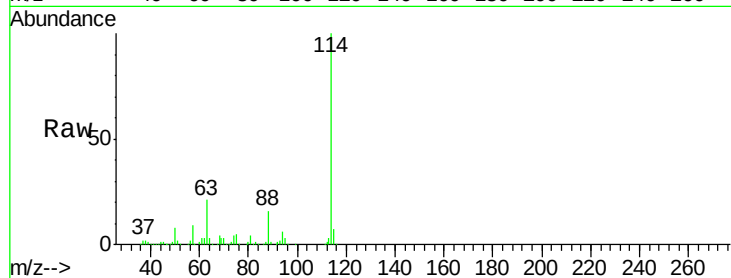
Tot Ion:114 Resp: 309671

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.4

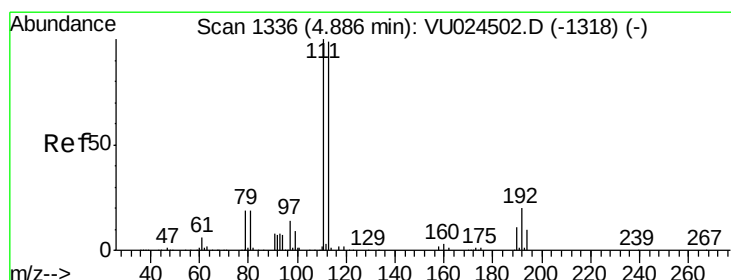
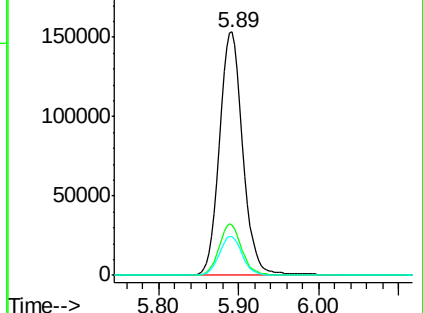
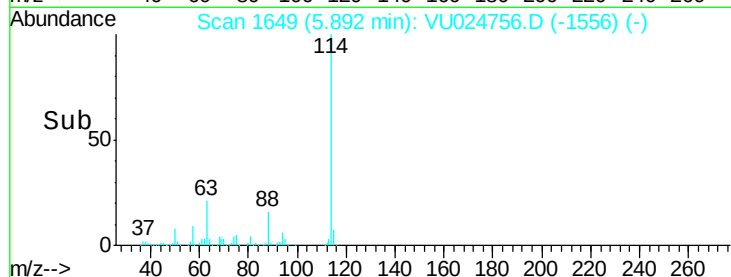
88 16.0 0.0 31.0



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: 46.96 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024756.D

Acq: 20 Jun 2018 14:35

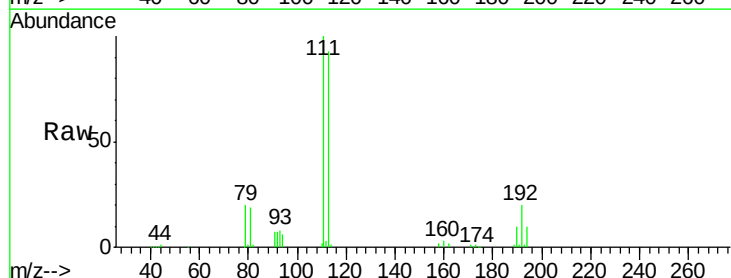
Tgt Ion:113 Resp: 120680

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

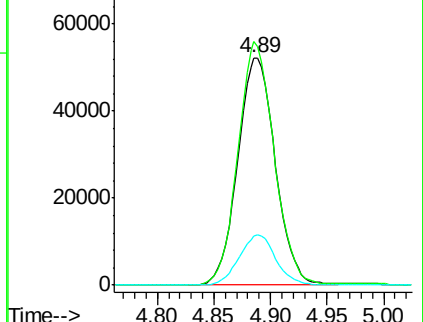
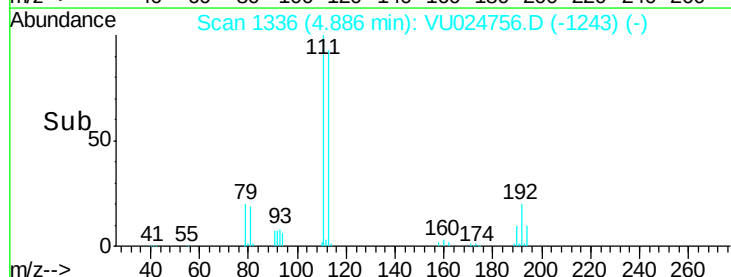
192 21.6 16.2 24.4

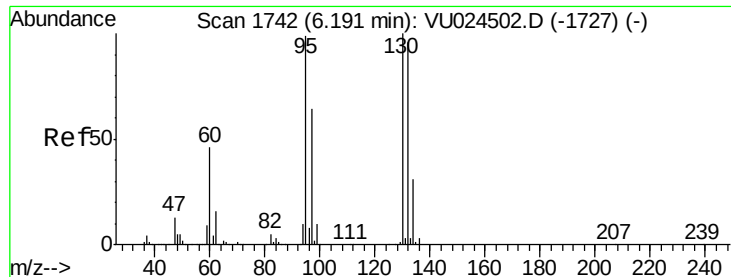


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 13.49 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024756.D

Acq: 20 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

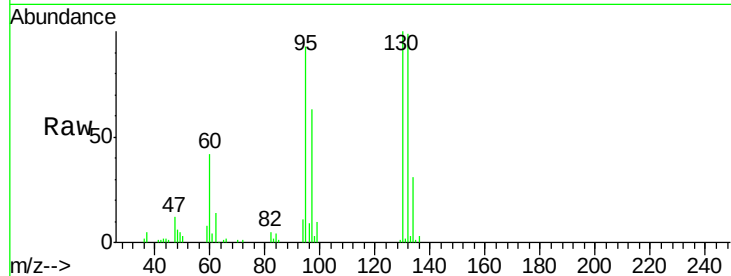
542-IW-14

Tot Ion:130 Resp: 39821

Ion Ratio Lower Upper

130 100

95 93.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

25000

20000

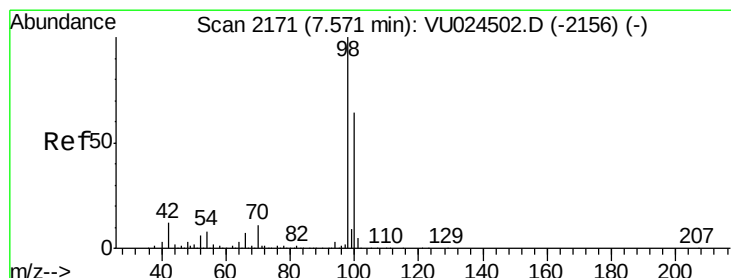
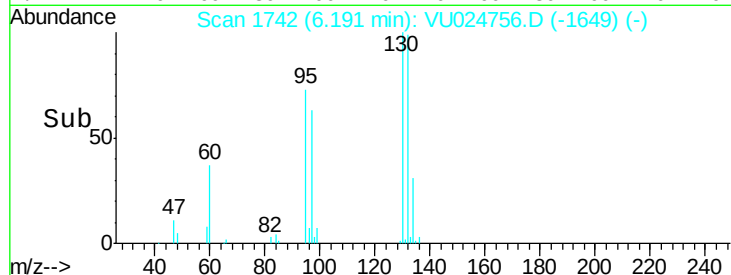
15000

10000

5000

0

Time--> 6.10 6.15 6.20 6.25



#50

Toluene-d8

Concen: 47.59 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024756.D

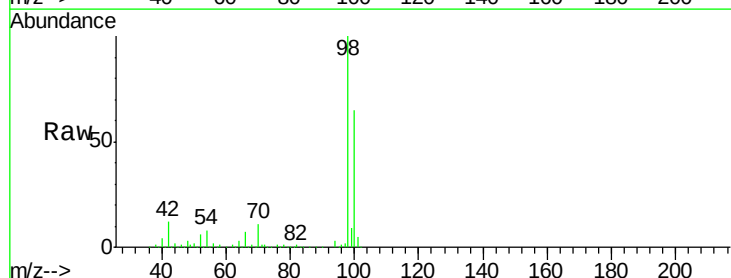
Acq: 20 Jun 2018 14:35

Tgt Ion: 98 Resp: 446122

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

7.57

300000

250000

200000

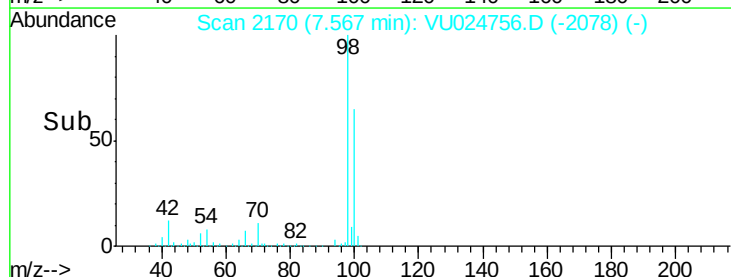
150000

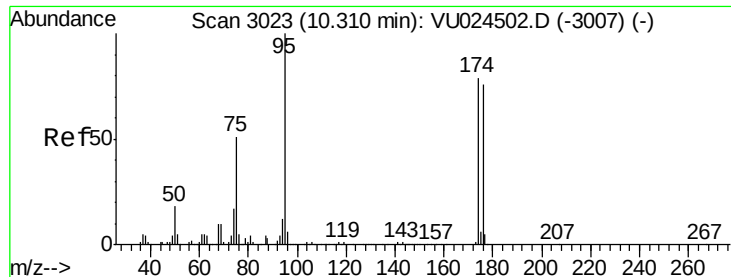
100000

50000

0

Time--> 7.50 7.60 7.70





#62

4-Bromofluorobenzene

Concen: 43.07 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024756.D

Acq: 20 Jun 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

542-IW-14

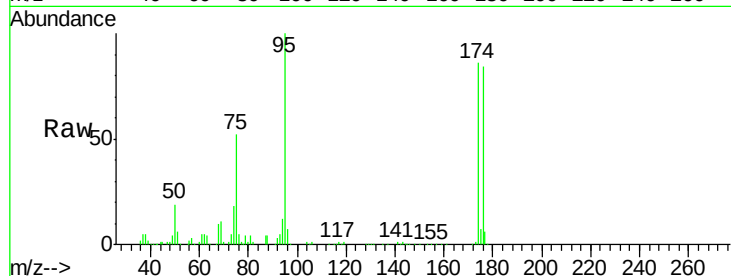
Tot Ion: 95 Resp: 160296

Ion Ratio Lower Upper

95 100

174 86.8 0.0 165.8

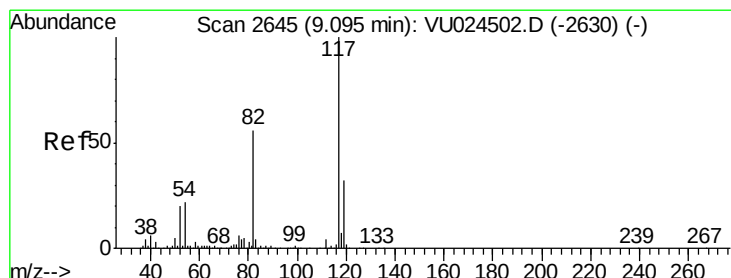
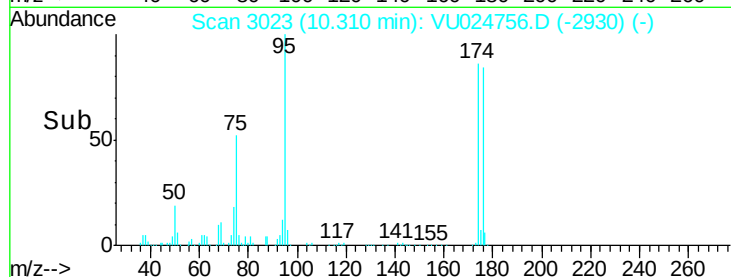
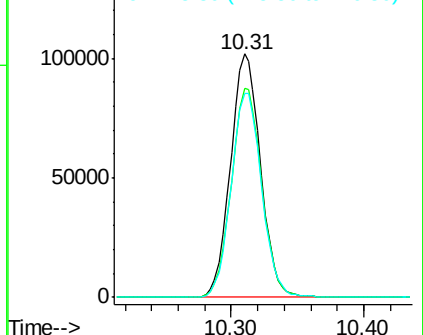
176 85.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024756.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024756.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024756.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024756.D

Acq: 20 Jun 2018 14:35

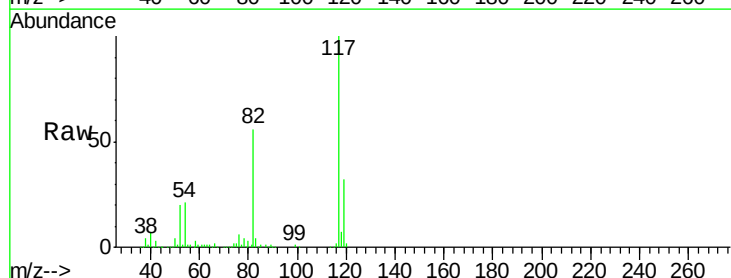
Tgt Ion: 117 Resp: 285092

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

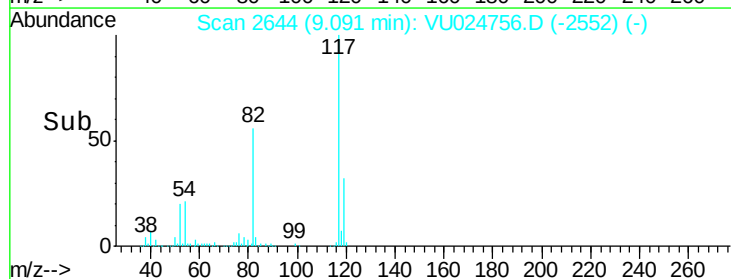
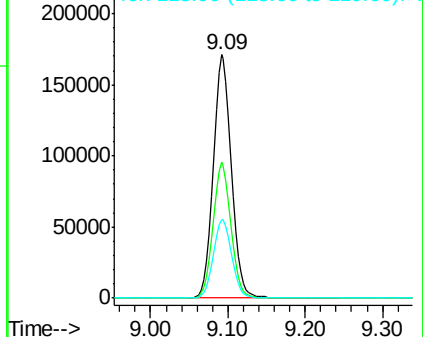
119 32.5 25.4 38.2

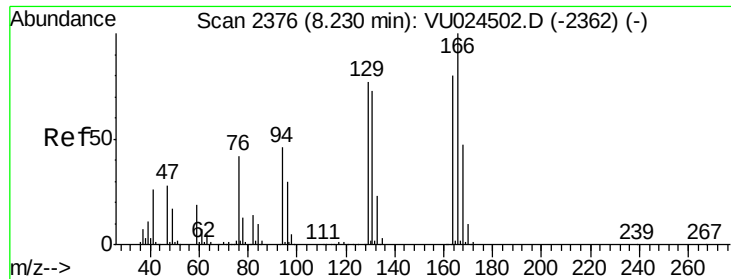


Abundance Ion 116.90 (116.60 to 117.60): VU024756.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024756.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024756.D (-2552) (-)

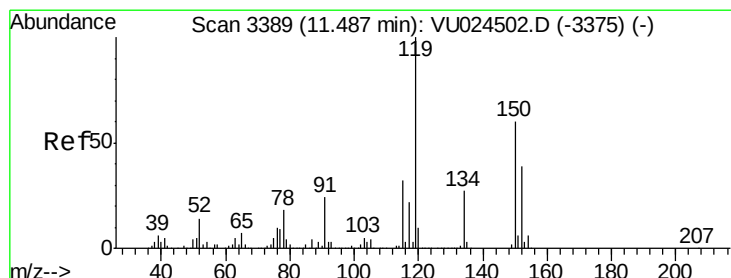
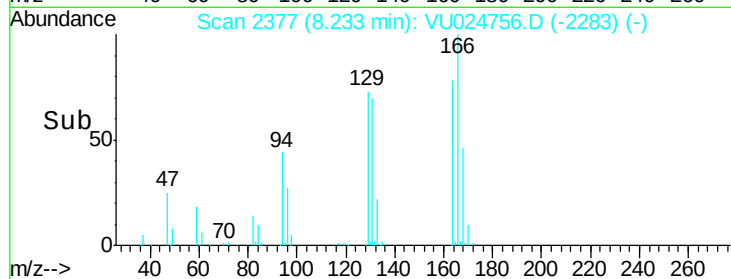
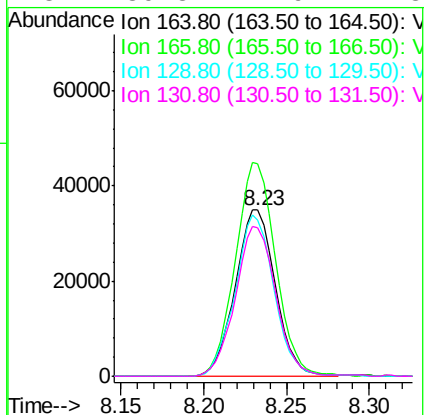
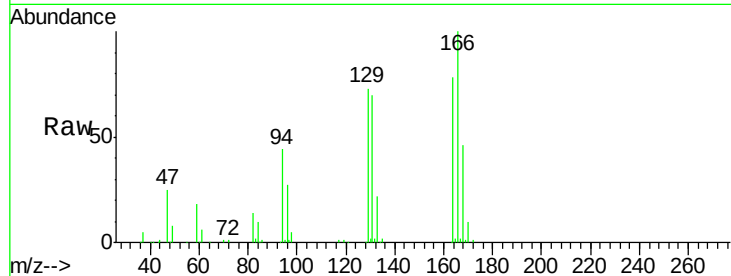




#64
 Tetrachloroethene
 Concen: 21.67 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 542-IW-14

Tot Ion:164 Resp: 58721
 Ion Ratio Lower Upper
 164 100
 166 128.0 101.7 152.5
 129 93.9 76.9 115.3
 131 89.3 74.9 112.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion:152 Resp: 154667
 Ion Ratio Lower Upper
 152 100
 115 55.3 43.0 129.0
 150 154.2 0.0 354.0

