

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025090.D
 Acq On : 30 Jun 2018 15:58
 Operator : MD/SY
 Sample : J3759-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW362-180625

Quant Time: Jul 02 06:58:15 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	216973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	300255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154587	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	166032	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	4.89	113	126899	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	7.57	98	463923	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	10.31	95	171704	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	

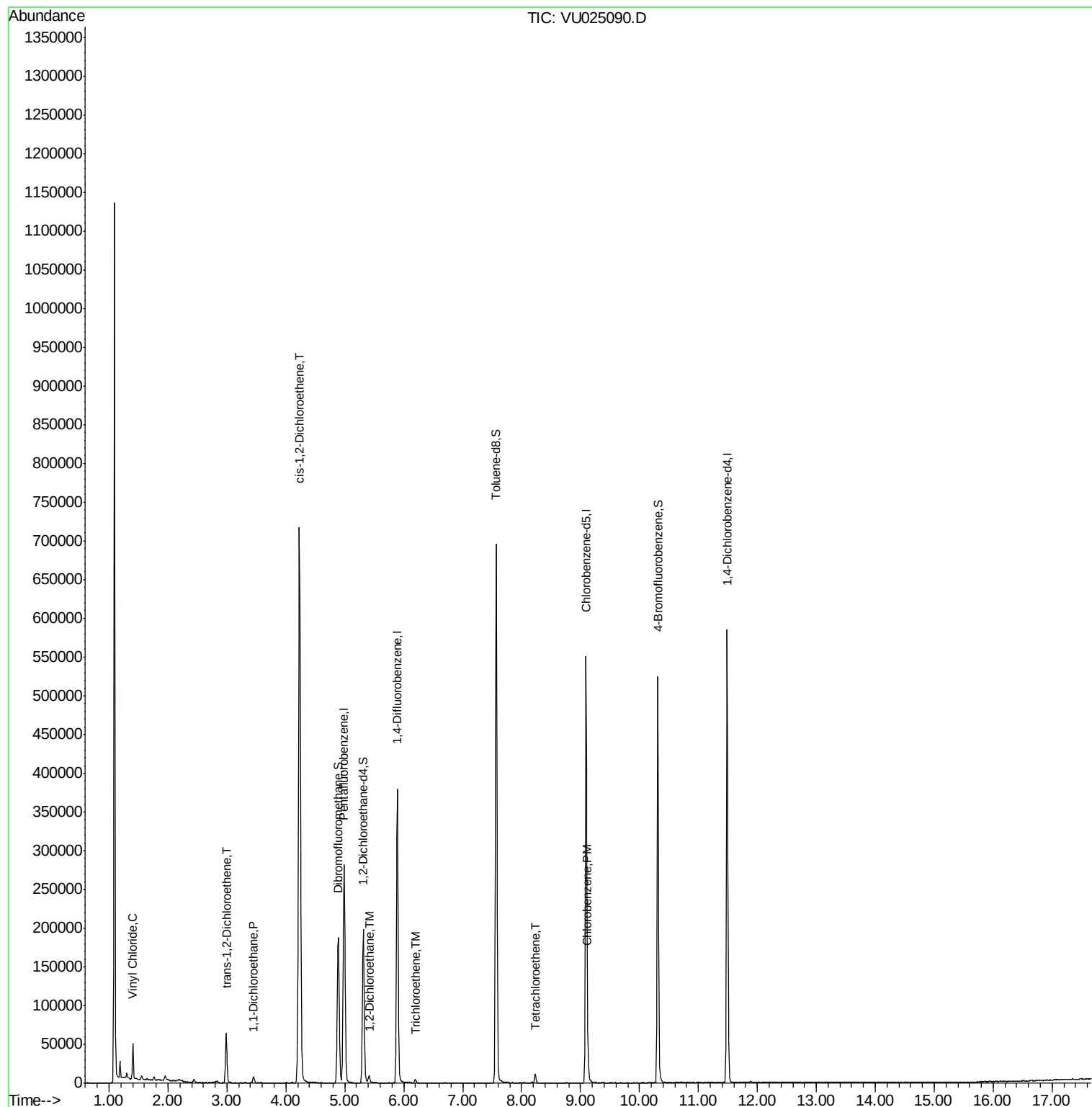
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	18967	6.63	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	25056	9.21	ug/l	96
24) 1,1-Dichloroethane	3.45	63	8106	1.55	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	402581	128.69	ug/l	89
42) 1,2-Dichloroethane	5.42	62	6654	1.62	ug/l	97
44) Trichloroethene	6.19	130	1681	0.55	ug/l	84
64) Tetrachloroethene	8.24	164	2554	0.89	ug/l	95
65) Chlorobenzene	9.12	112	18837	2.46	ug/l	99

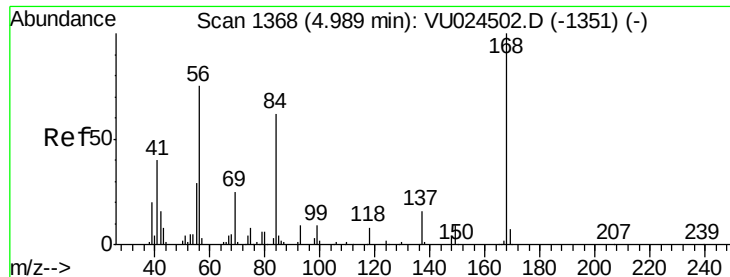
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025090.D

Acq: 30 Jun 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

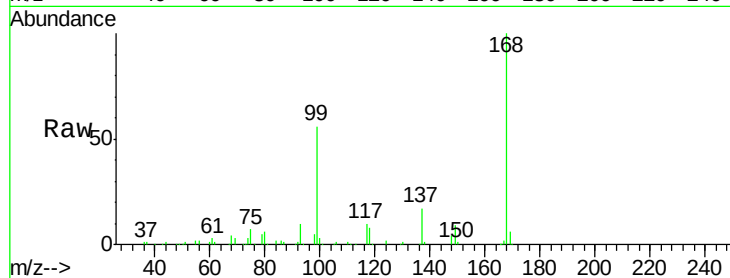
WP021MW362-180625

Tot Ion:168 Resp: 216973

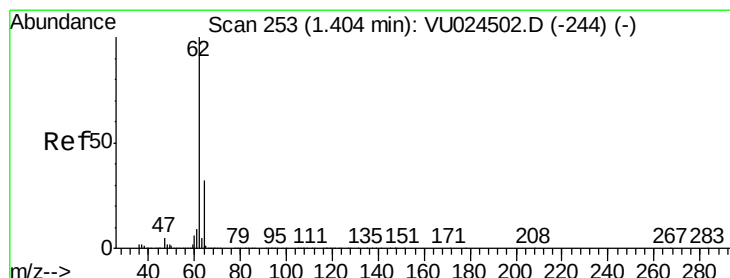
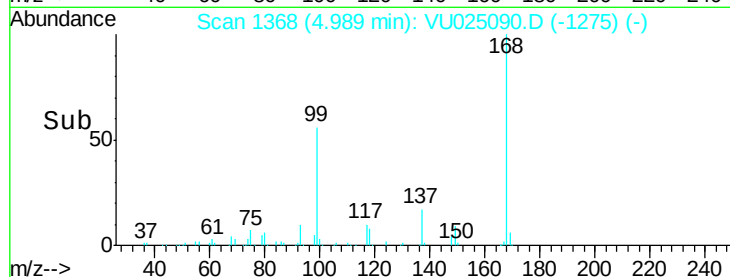
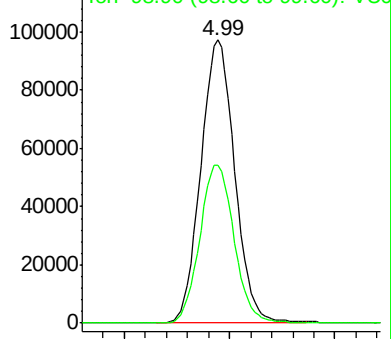
Ion Ratio Lower Upper

168 100

99 55.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#4

Vinyl Chloride

Concen: 6.63 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025090.D

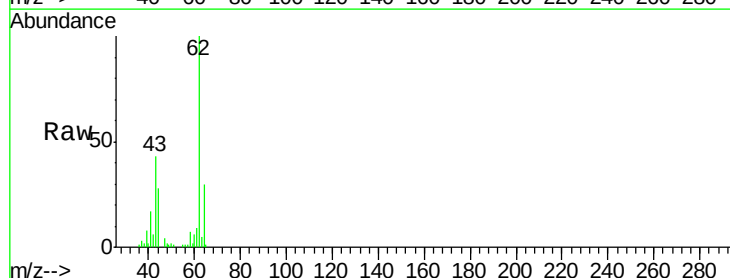
Acq: 30 Jun 2018 15:58

Tgt Ion: 62 Resp: 18967

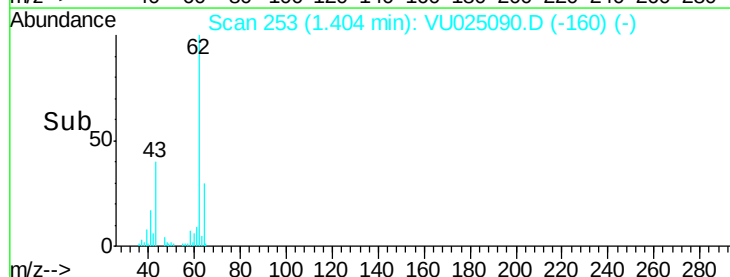
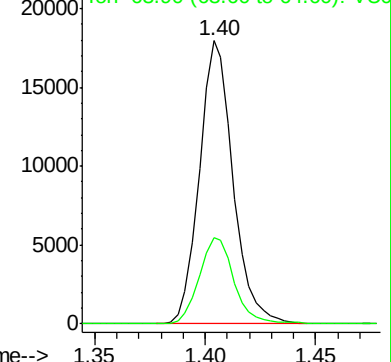
Ion Ratio Lower Upper

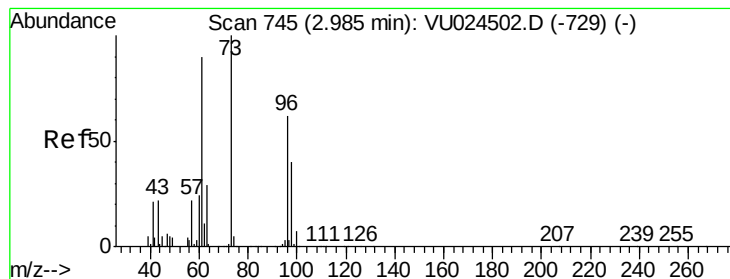
62 100

64 30.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)





#21

trans-1,2-Dichloroethene

Concen: 9.21 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW362-180625

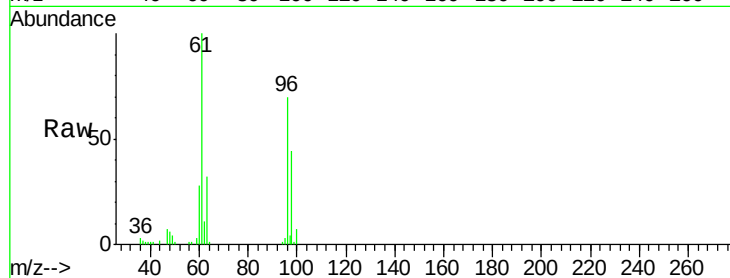
Tot Ion: 96 Resp: 25056

Ion Ratio Lower Upper

96 100

61 142.2 119.4 179.0

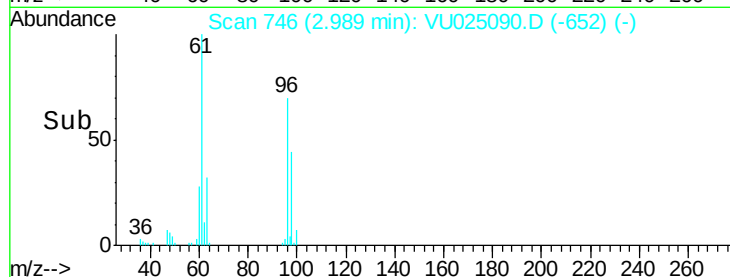
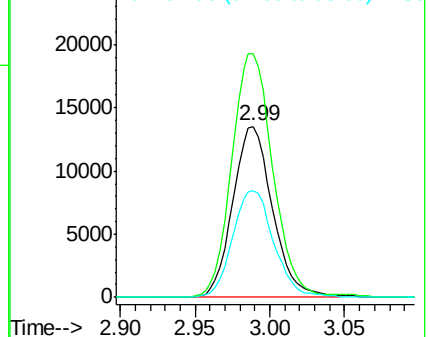
98 62.3 51.1 76.7



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



#24

1,1-Dichloroethane

Concen: 1.55 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

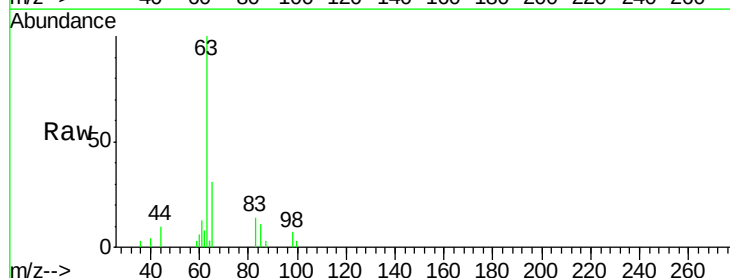
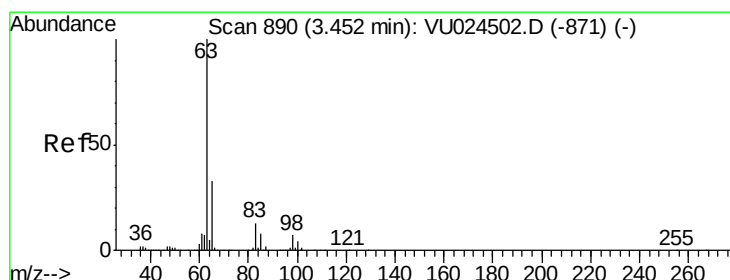
Tgt Ion: 63 Resp: 8106

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

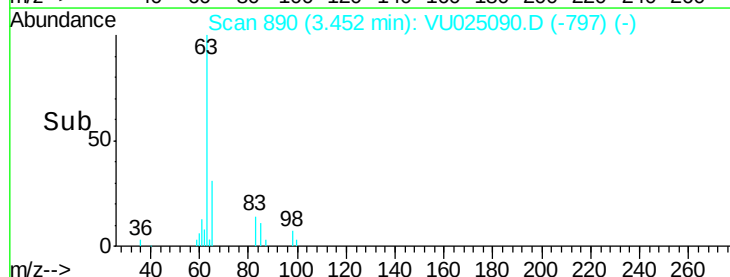
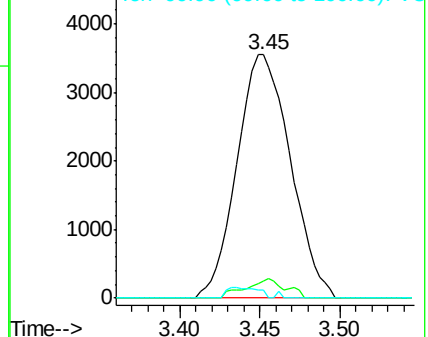
100 3.1 1.8 5.5

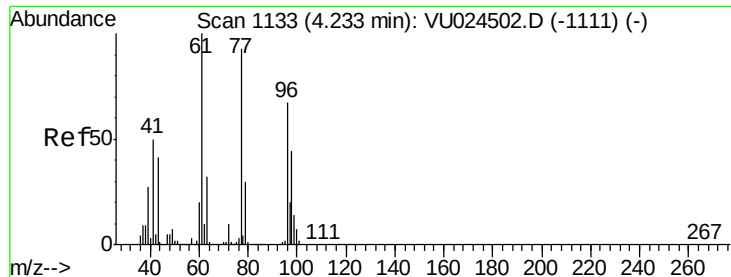


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 128.69 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW362-180625

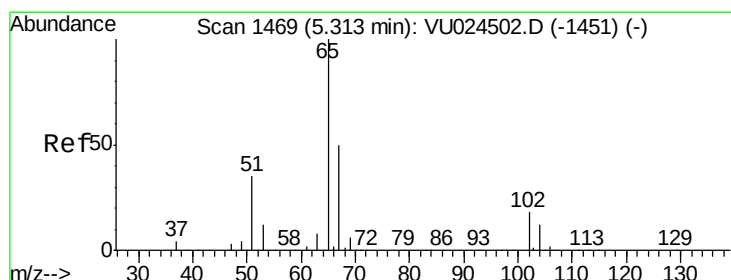
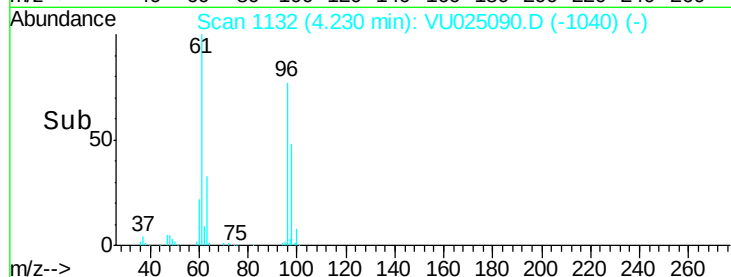
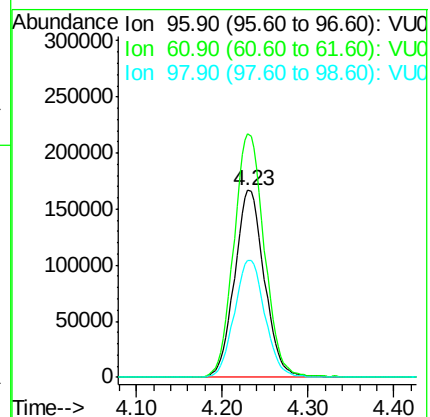
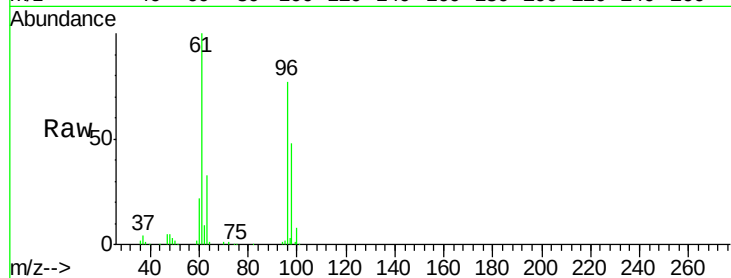
Tot Ion: 96 Resp: 402581

Ion Ratio Lower Upper

96 100

61 132.7 0.0 306.6

98 64.2 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 46.87 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025090.D

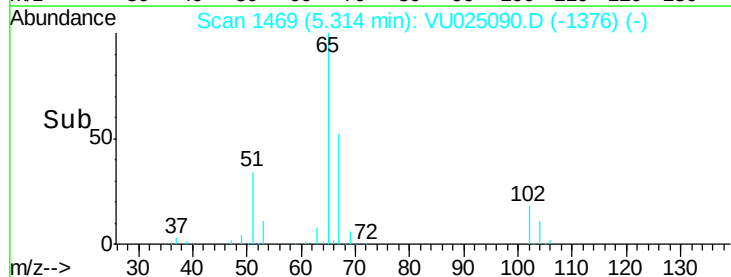
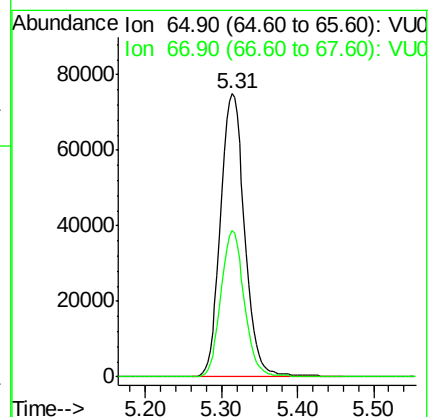
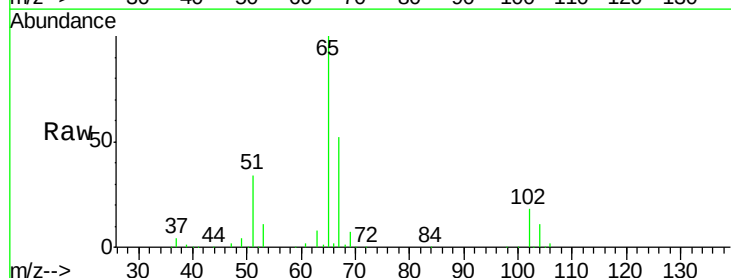
Acq: 30 Jun 2018 15:58

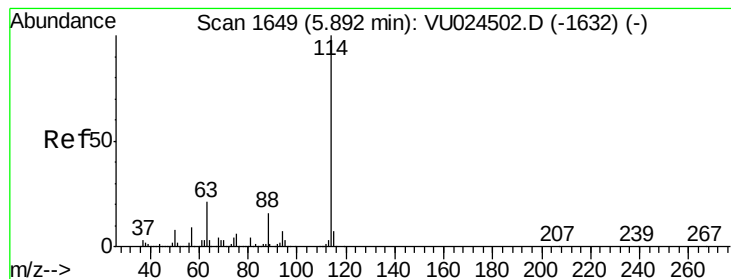
Tgt Ion: 65 Resp: 166032

Ion Ratio Lower Upper

65 100

67 49.9 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

WP021MW362-180625

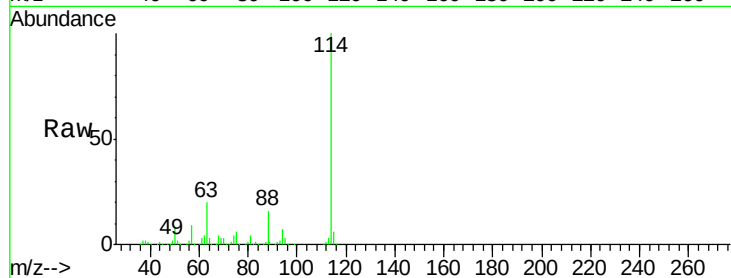
Tot Ion:114 Resp: 322321

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.4

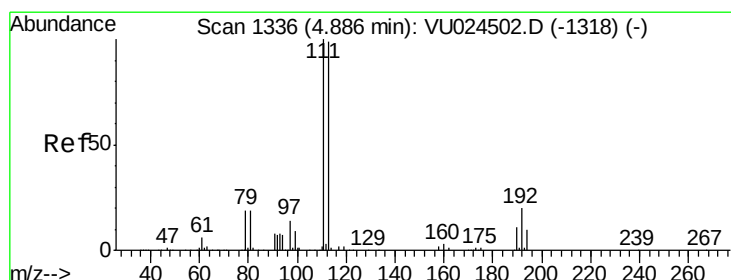
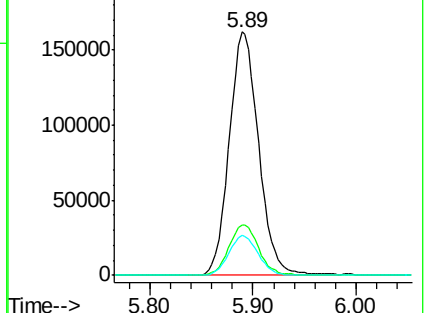
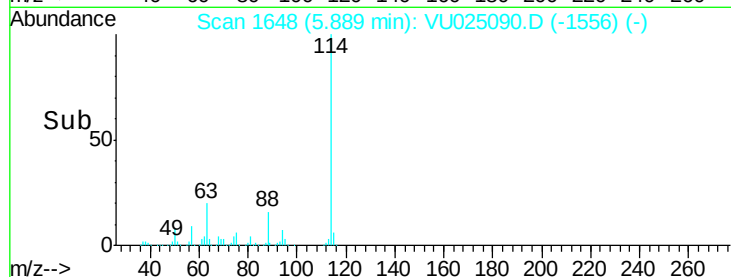
88 16.2 0.0 31.0



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: 47.44 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

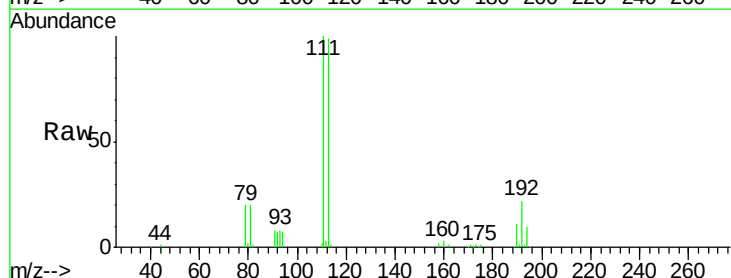
Tgt Ion:113 Resp: 126899

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

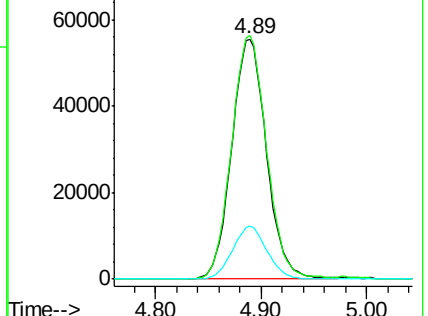
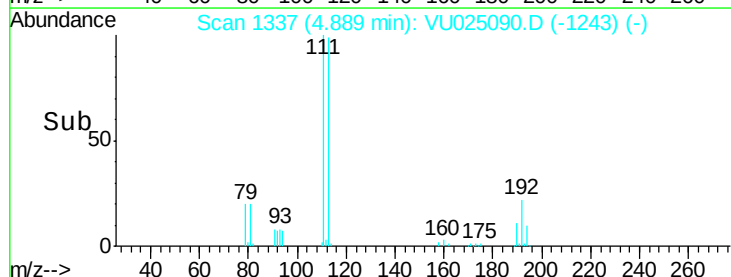
192 21.8 16.2 24.4

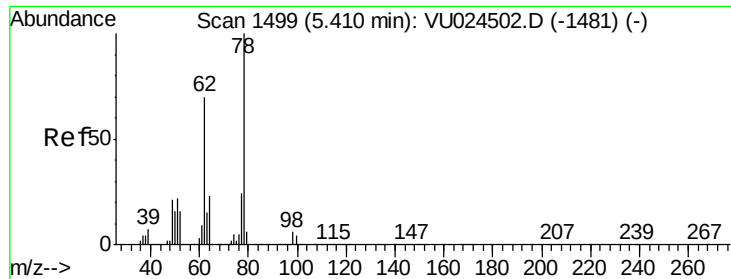


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

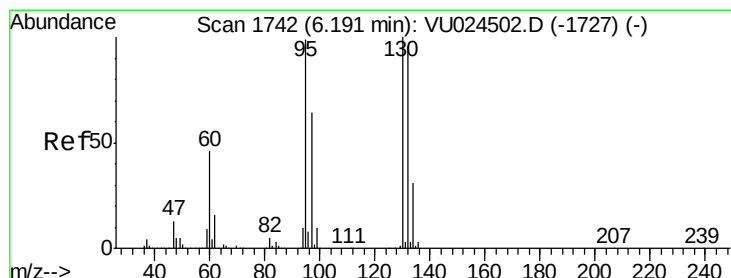
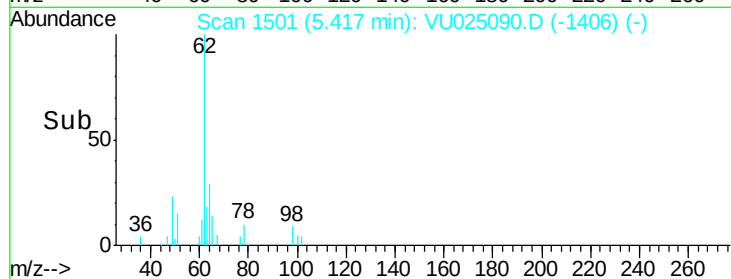
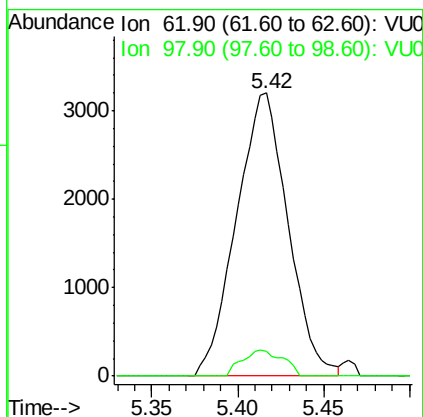
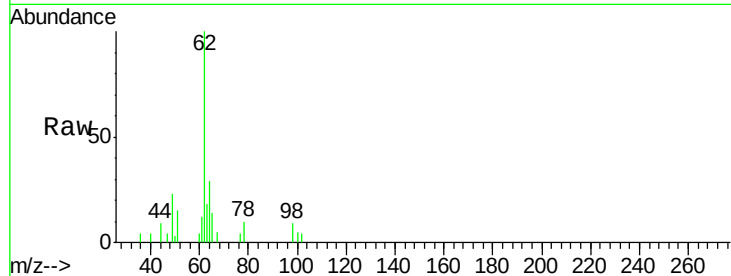




#42
 1,2-Dichloroethane
 Concen: 1.62 ug/l
 RT: 5.42 min Scan# 1501
 Delta R.T. 0.01 min
 Lab File: VU025090.D
 Acq: 30 Jun 2018 15:58

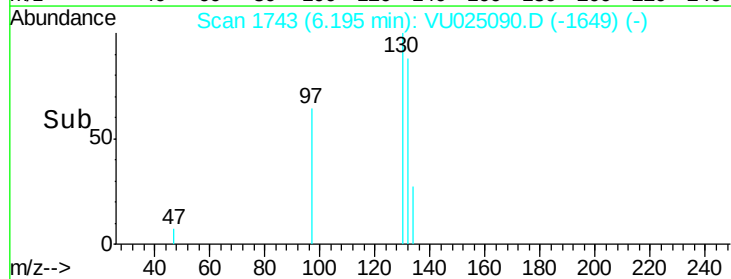
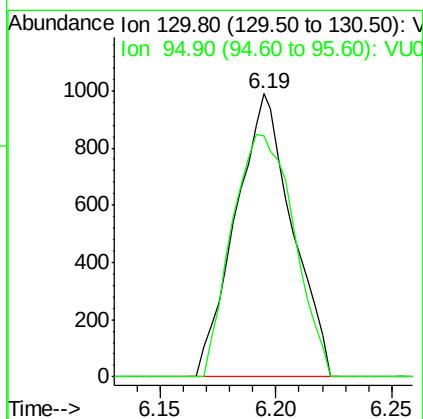
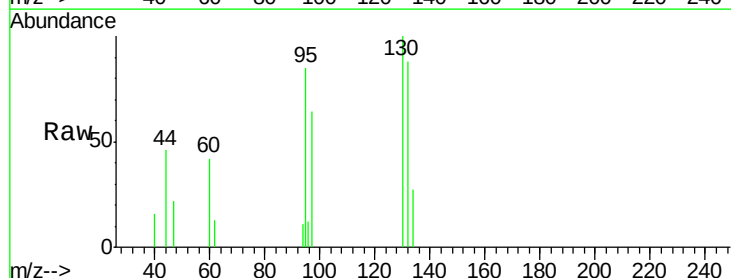
Instrument :
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 WP021MW362-180625

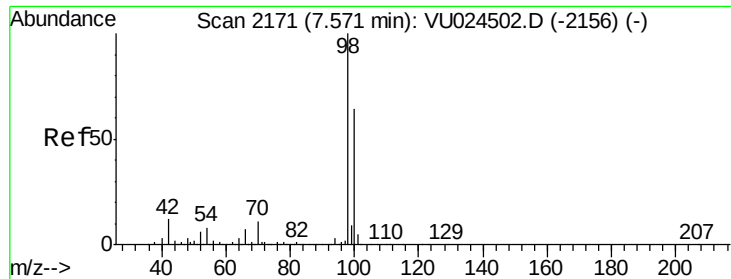
Tot Ion: 62 Resp: 6654
 Ion Ratio Lower Upper
 62 100
 98 7.2 0.0 16.6



#44
 Trichloroethene
 Concen: 0.55 ug/l
 RT: 6.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VU025090.D
 Acq: 30 Jun 2018 15:58

Tgt Ion:130 Resp: 1681
 Ion Ratio Lower Upper
 130 100
 95 85.3 0.0 202.4





#50

Toluene-d8

Concen: 47.55 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

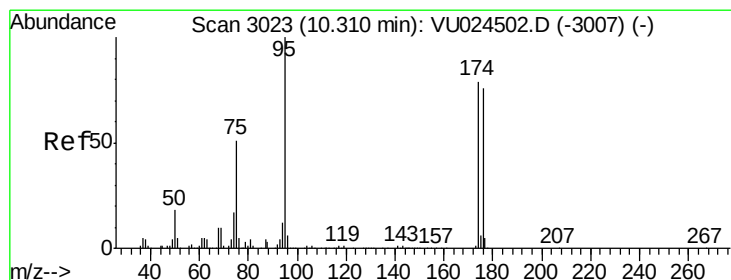
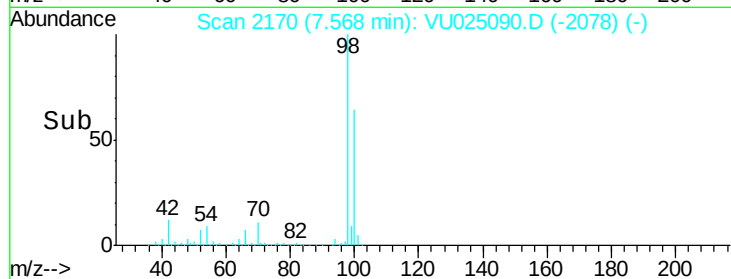
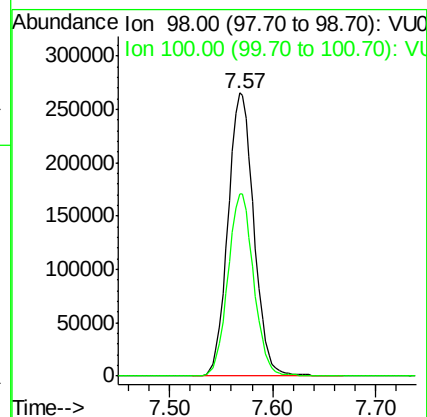
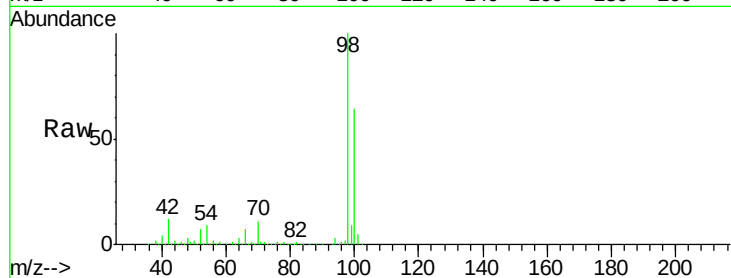
WP021MW362-180625

Tot Ion: 98 Resp: 463923

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.32 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

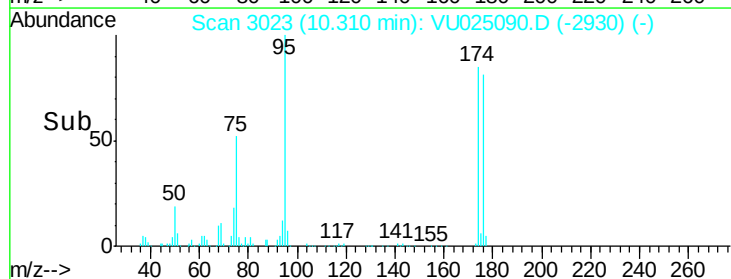
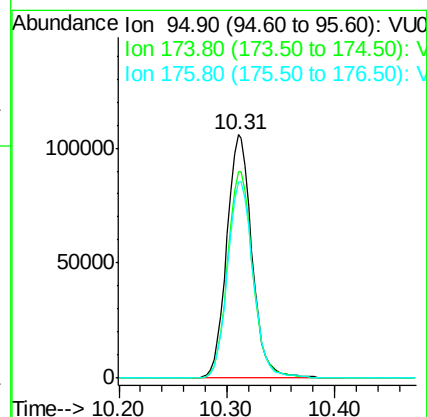
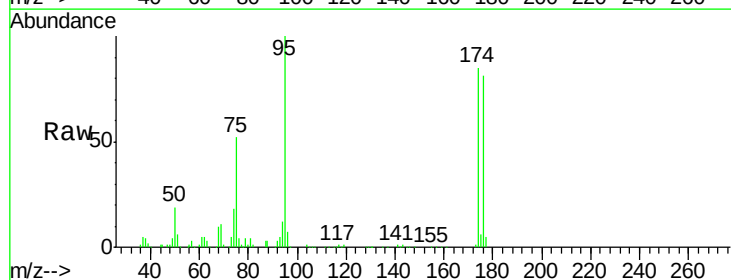
Tgt Ion: 95 Resp: 171704

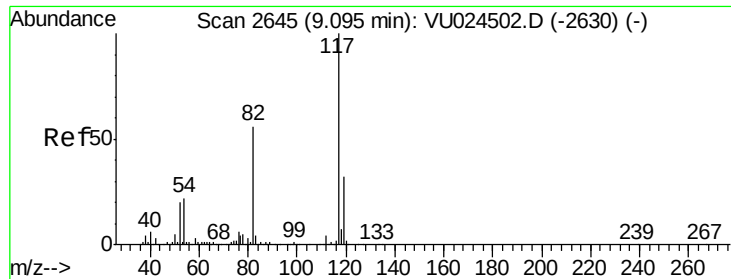
Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

176 82.3 0.0 159.4

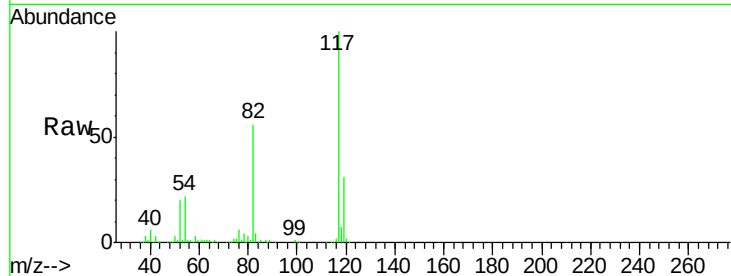




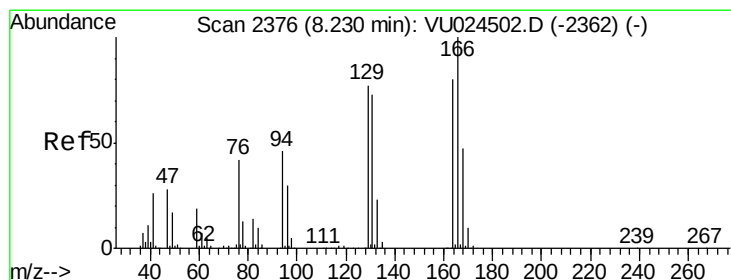
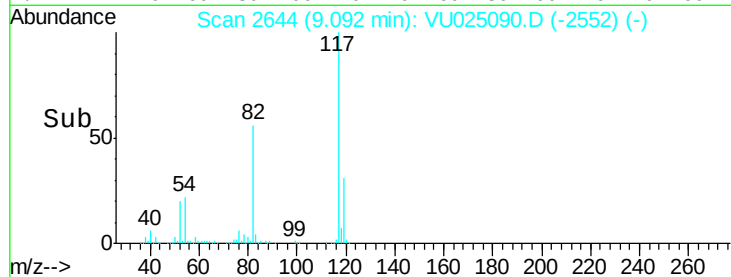
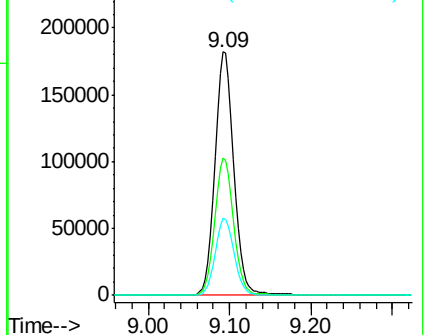
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025090.D
Acq: 30 Jun 2018 15:58

Instrument :
MSVOA_U
ClientSampleId :
WP021MW362-180625

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	31.5	25.4	38.2



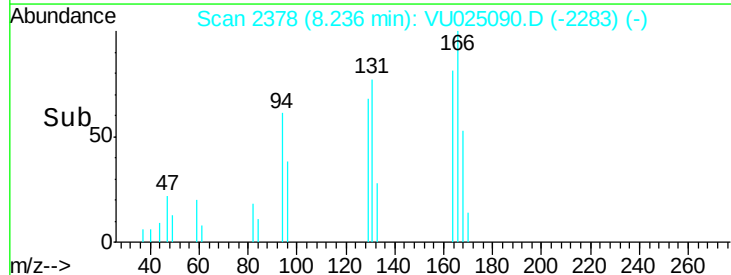
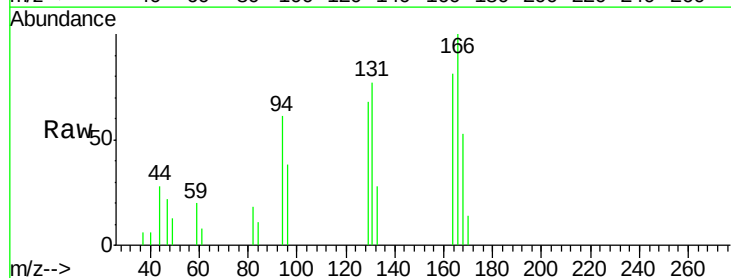
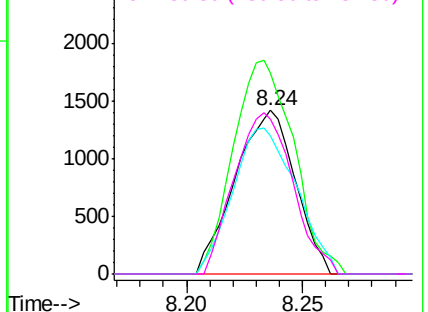
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

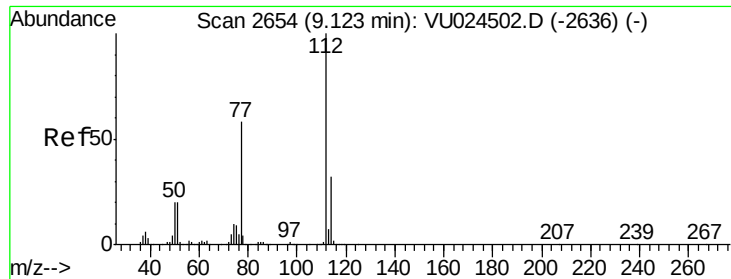


#64
Tetrachloroethene
Concen: 0.89 ug/l
RT: 8.24 min Scan# 2378
Delta R.T. 0.01 min
Lab File: VU025090.D
Acq: 30 Jun 2018 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	101.7	152.5
129	84.4	76.9	115.3
131	94.8	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





#65

Chlorobenzene

Concen: 2.46 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025090.D

Acq: 30 Jun 2018 15:58

Instrument :

MSVOA_U

ClientSampleId :

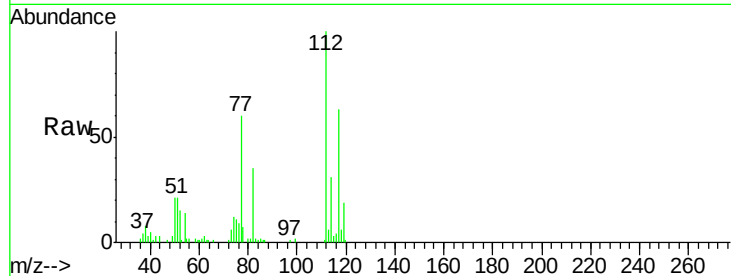
WP021MW362-180625

Tot Ion:112 Resp: 18837

Ion Ratio Lower Upper

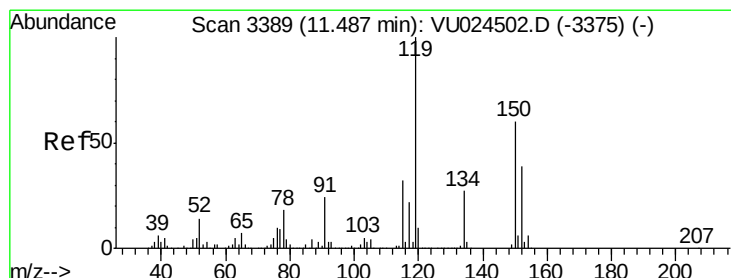
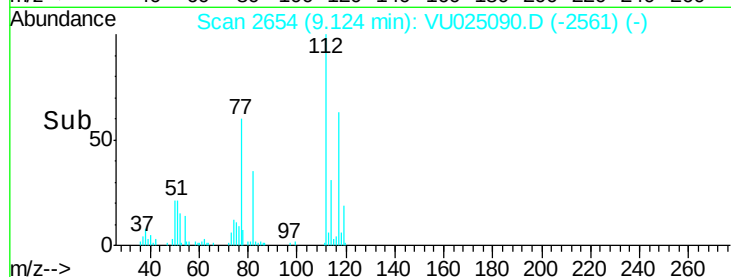
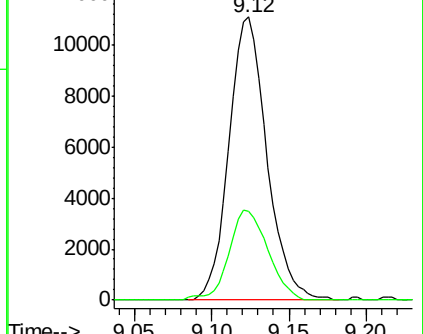
112 100

114 31.3 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: VU025090.D

Acq: 30 Jun 2018 15:58

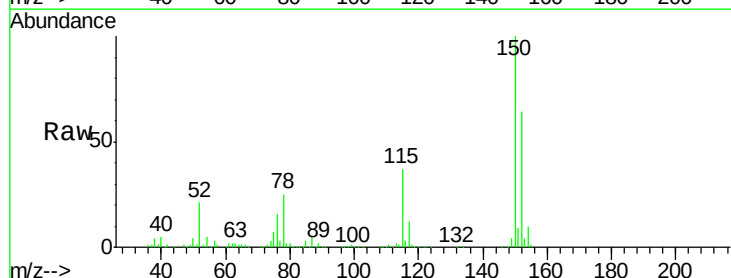
Tgt Ion:152 Resp: 154587

Ion Ratio Lower Upper

152 100

115 58.7 43.0 129.0

150 158.6 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

