

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024782.D
 Acq On : 21 Jun 2018 02:02
 Operator : MD/SY
 Sample : J3585-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EQUIPMENT-BLANK

Quant Time: Jun 21 10:03:08 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	202326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309938	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159788	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	140779	42.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.24%	
35) Dibromofluoromethane	4.89	113	120100	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
50) Toluene-d8	7.57	98	450404	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	10.31	95	165632	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

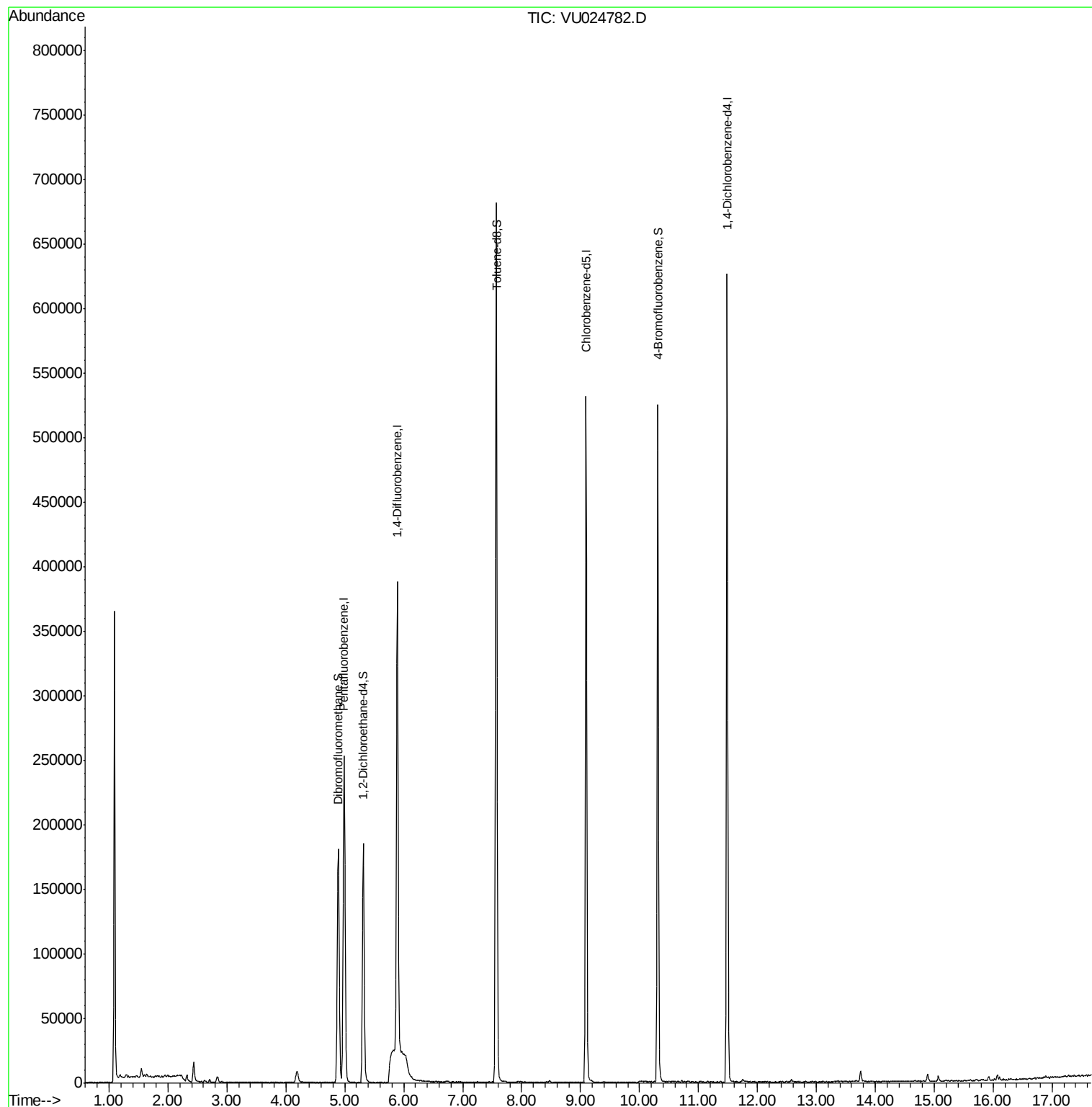
Target Compounds	Qvalue

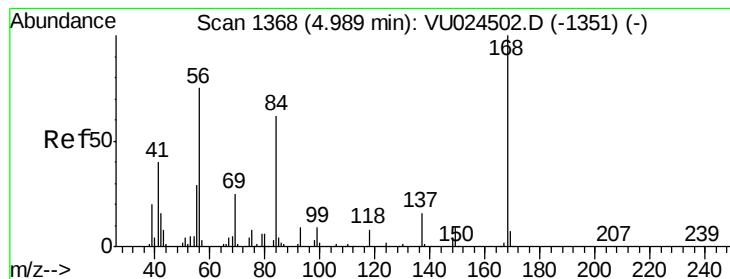
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

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ClientSampleId :

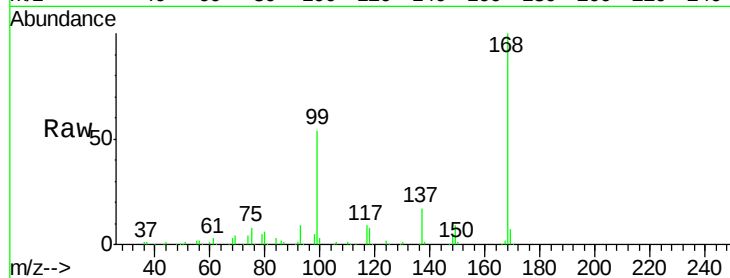
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Tot Ion:168 Resp: 202326

Ion Ratio Lower Upper

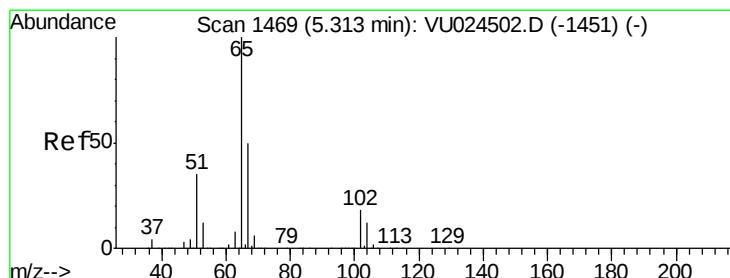
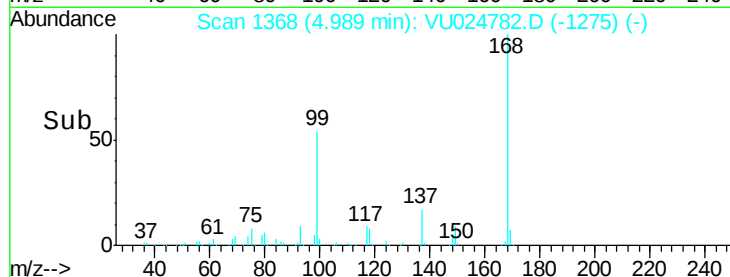
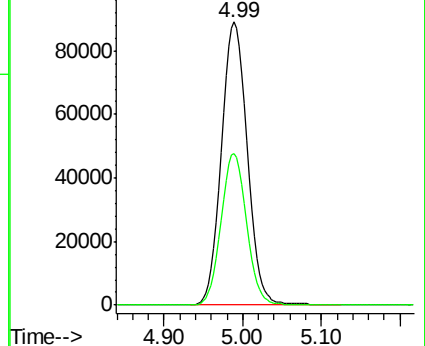
168 100

99 53.6 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D



#33

1,2-Dichloroethane-d4

Concen: 42.62 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024782.D

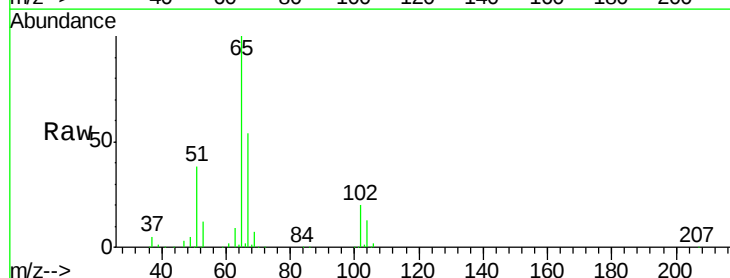
Acq: 21 Jun 2018 02:02

Tgt Ion: 65 Resp: 140779

Ion Ratio Lower Upper

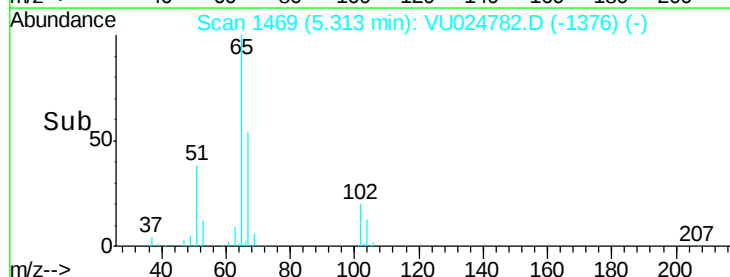
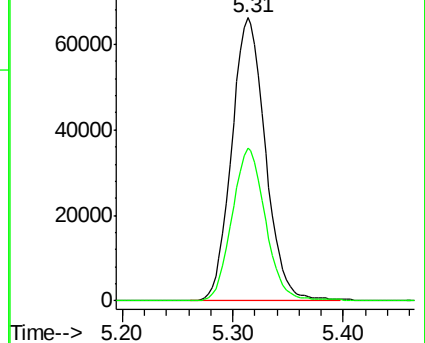
65 100

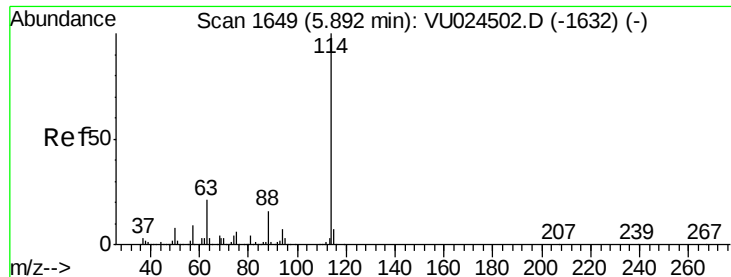
67 53.7 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D

Ion 66.90 (66.60 to 67.60): VU024502.D





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

EQUIPMENT-BLANK

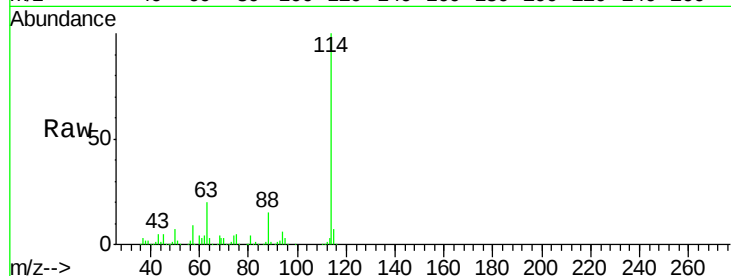
Tot Ion:114 Resp: 309938

Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.4

88 15.3 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

200000

150000

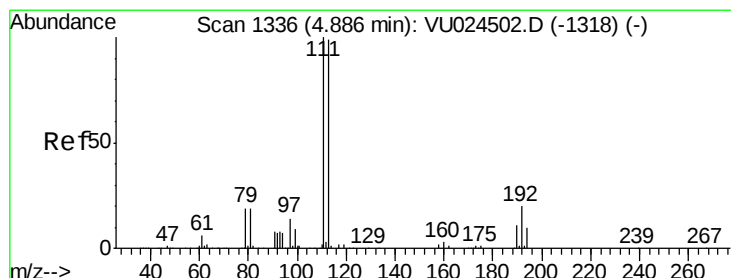
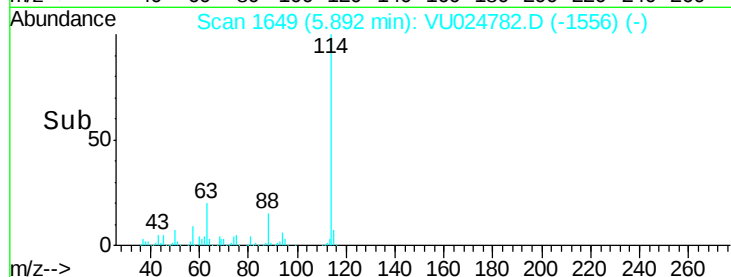
100000

50000

0

5.80 5.85 5.90 5.95

Time-->



#35

Dibromofluoromethane

Concen: 46.69 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

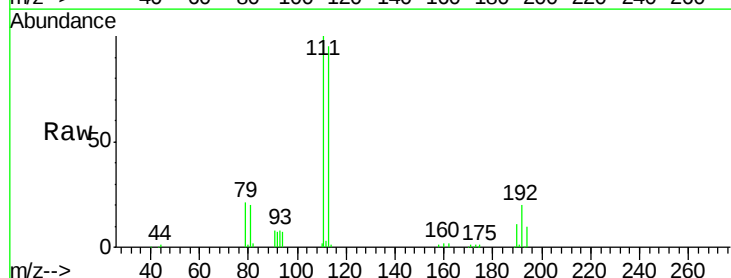
Tgt Ion:113 Resp: 120100

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 21.5 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

60000

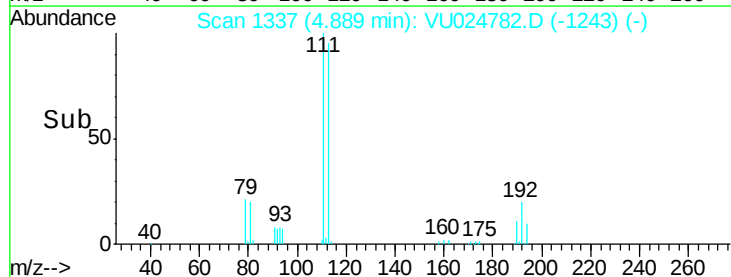
40000

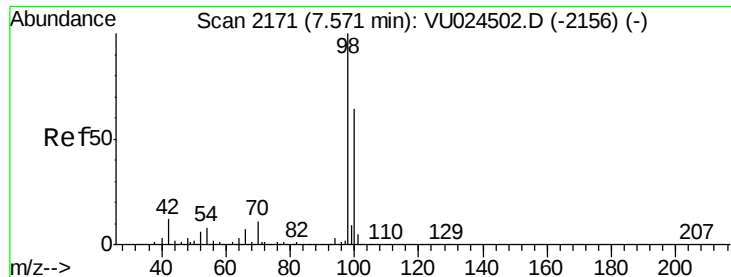
20000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#50

Toluene-d8

Concen: 48.00 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

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ClientSampleId :

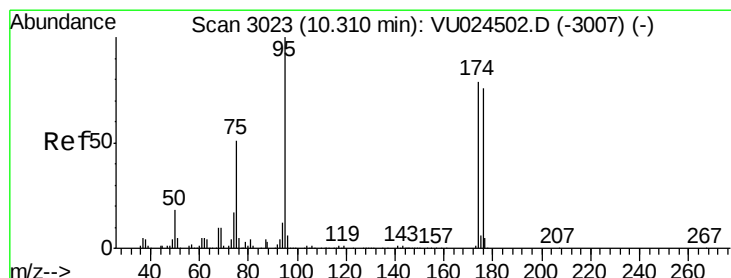
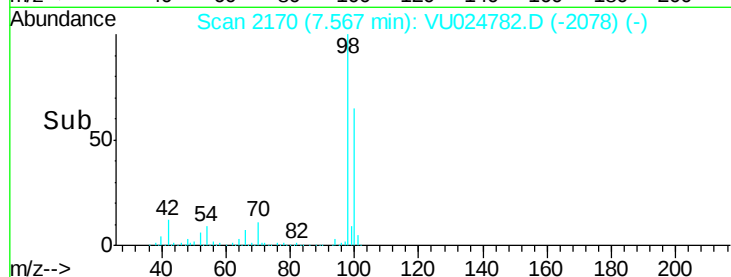
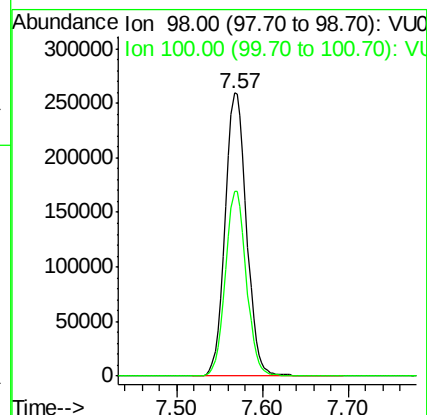
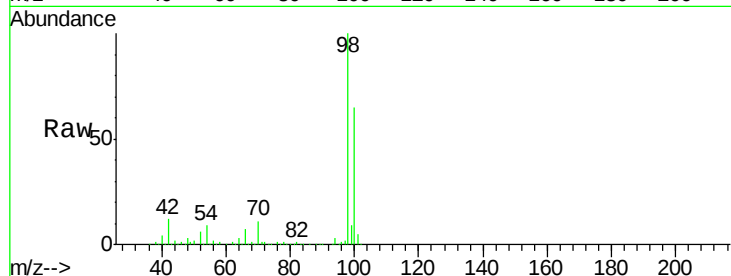
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Tot Ion: 98 Resp: 450404

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.46 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

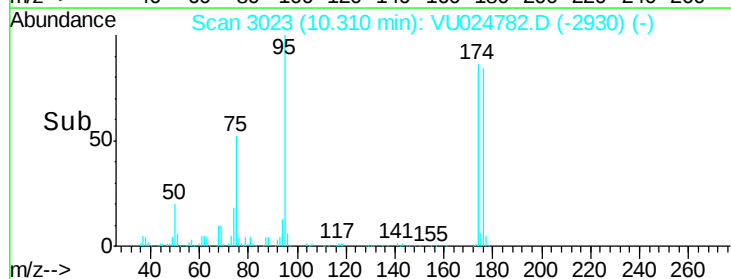
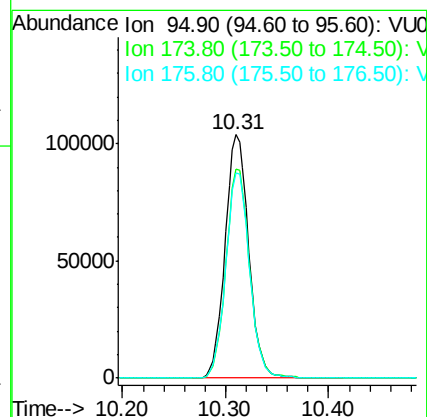
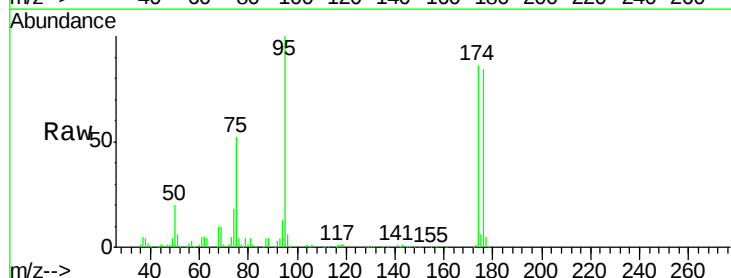
Tgt Ion: 95 Resp: 165632

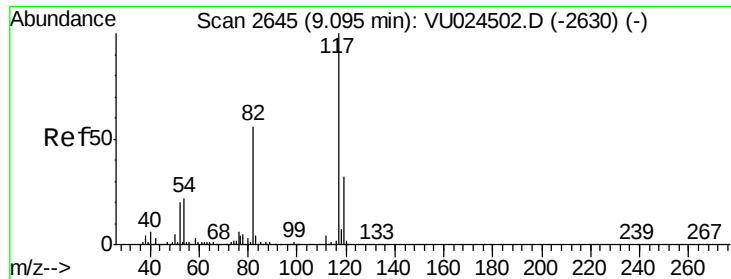
Ion Ratio Lower Upper

95 100

174 85.9 0.0 165.8

176 84.5 0.0 159.4

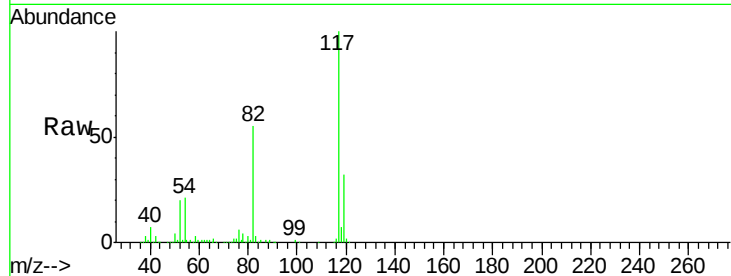




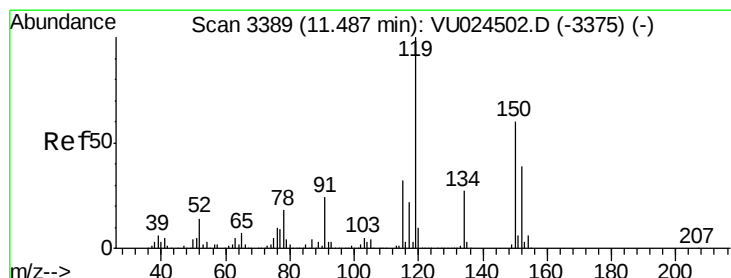
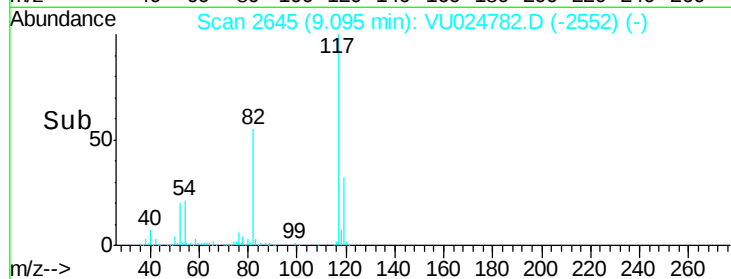
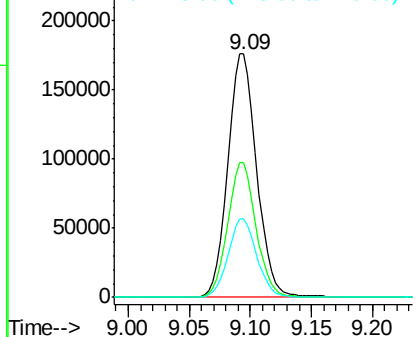
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024782.D
Acq: 21 Jun 2018 02:02

Instrument :
MSVOA_U
ClientSampleId :
EQUIPMENT-BLANK

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.3	66.5
119	32.3	25.4	38.2

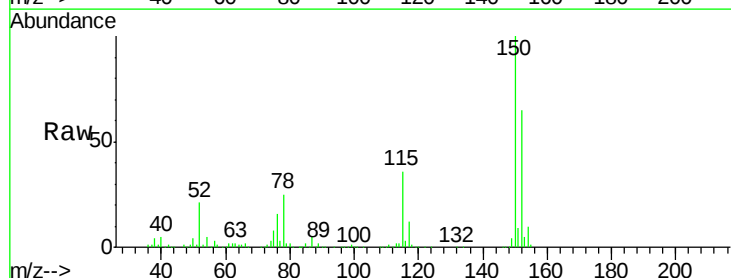


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024782.D
Acq: 21 Jun 2018 02:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	43.0	129.0
150	155.4	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

