

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028586.D
 Acq On : 11 Dec 2018 06:04
 Operator : MD/SY
 Sample : J6335-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP04-20181208

Quant Time: Dec 11 08:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150867	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53547	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70593	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	
35) Dibromofluoromethane	4.88	113	51196	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
50) Toluene-d8	7.57	98	196366	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	10.30	95	65225	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	

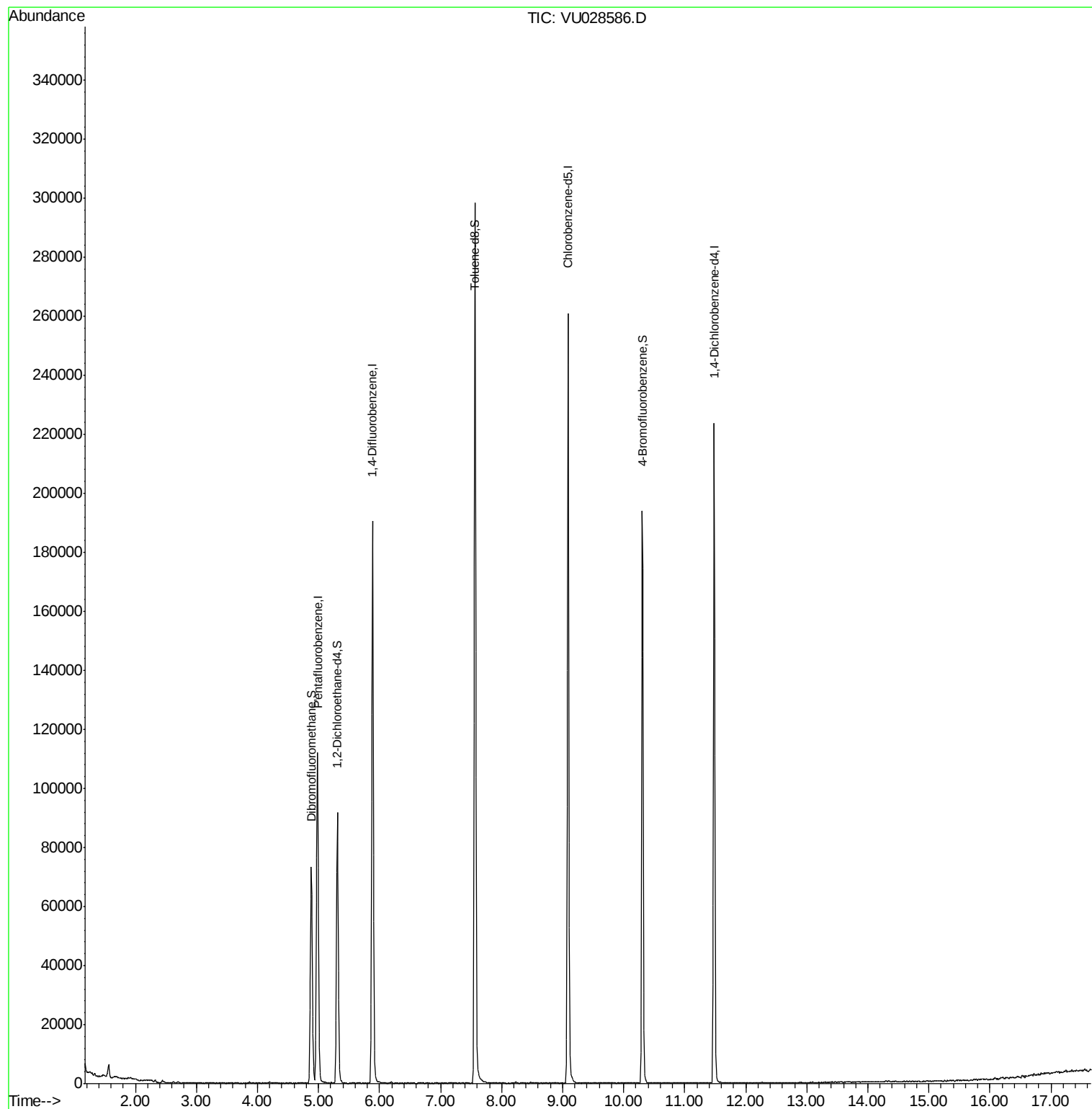
Target Compounds	Qvalue

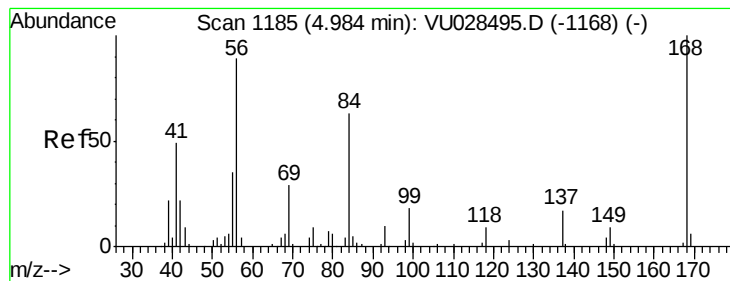
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028586.D

Acq: 11 Dec 2018 06:04

Instrument :

MSVOA_U

ClientSampleId :

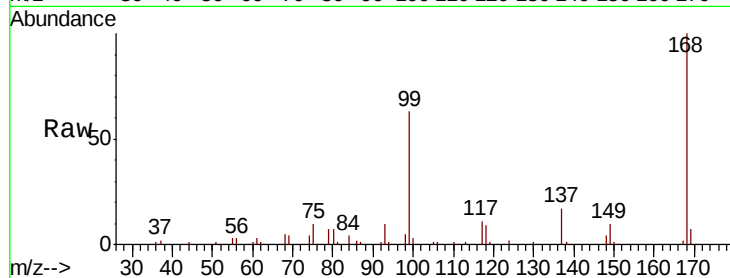
BP-DUP04-20181208

Tot Ion:168 Resp: 80638

Ion Ratio Lower Upper

168 100

99 62.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

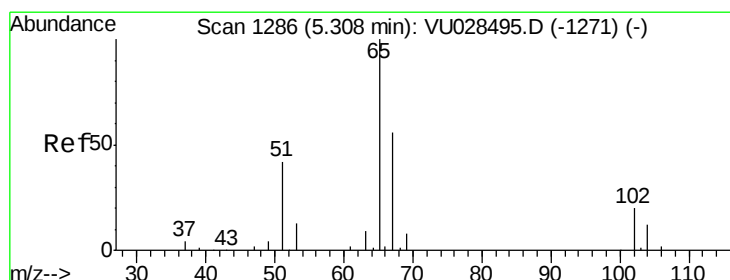
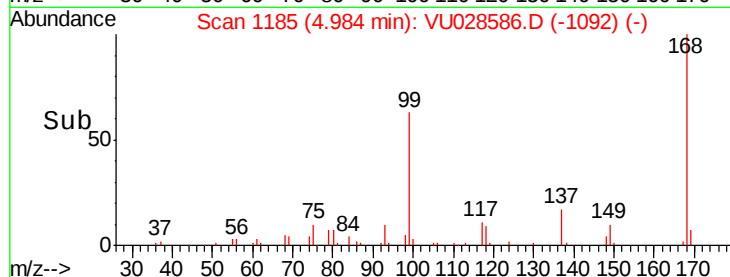
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.365 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028586.D

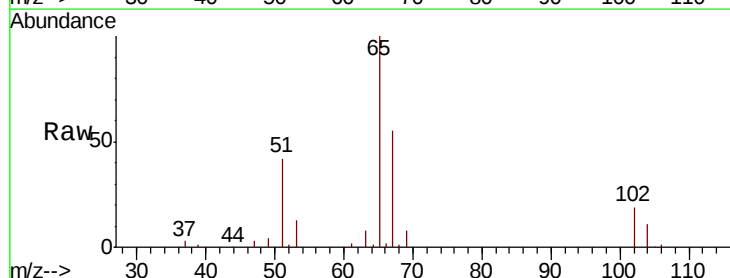
Acq: 11 Dec 2018 06:04

Tgt Ion: 65 Resp: 70593

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

30000

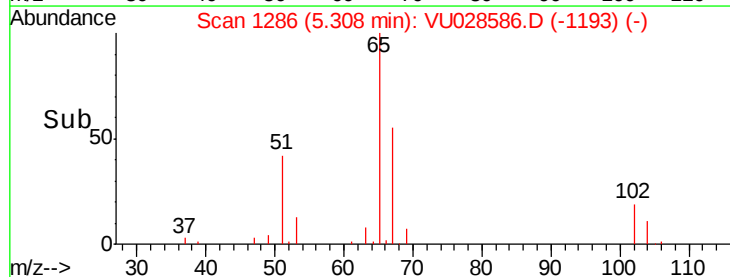
20000

10000

0

5.20 5.30 5.40

Time-->

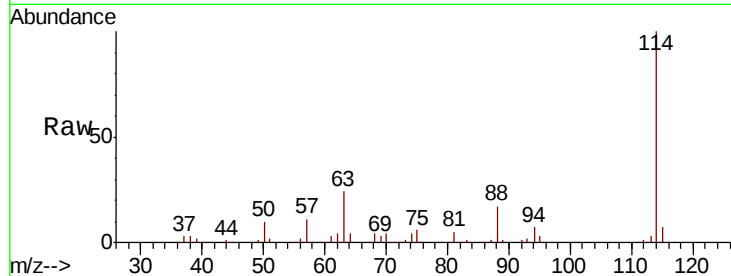




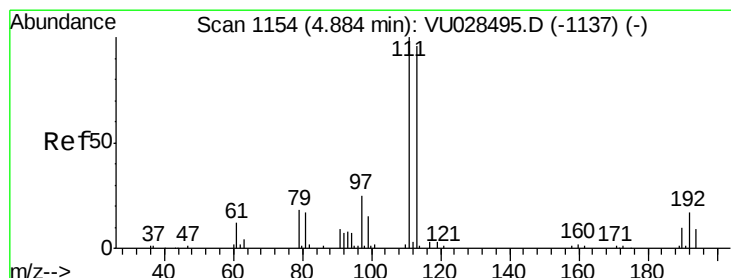
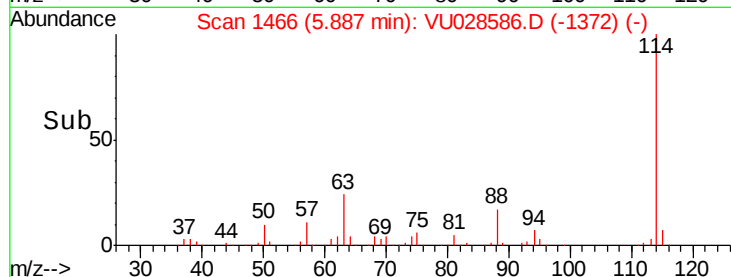
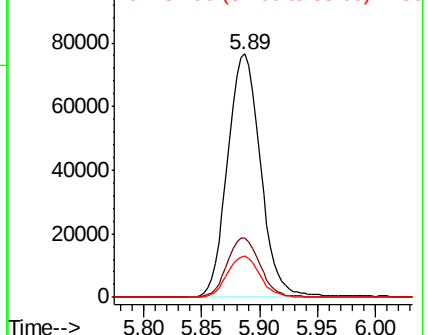
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028586.D
 Acq: 11 Dec 2018 06:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP04-20181208

Tot Ion:114 Resp: 150867
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.8 0.0 33.4

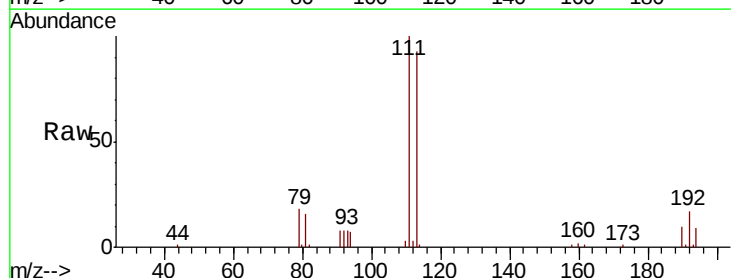


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

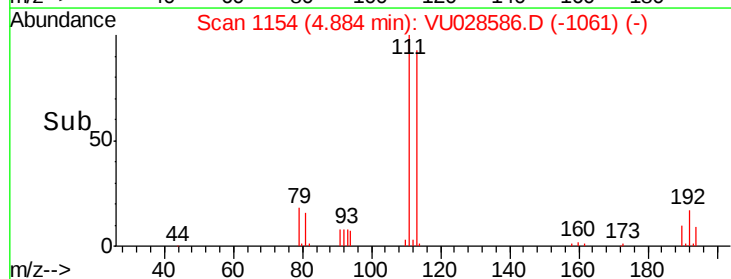
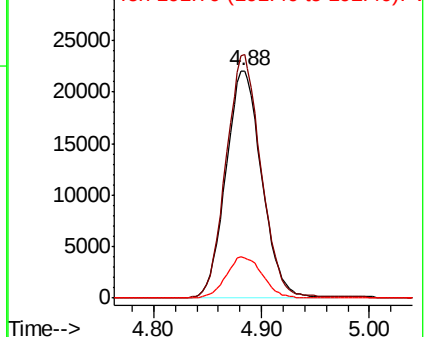


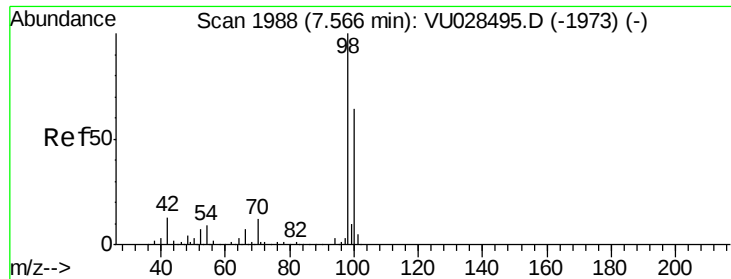
#35
 Dibromofluoromethane
 Concen: 53.924 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028586.D
 Acq: 11 Dec 2018 06:04

Tgt Ion:113 Resp: 51196
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.4 125.0
 192 18.1 14.8 22.2



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: 52.284 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028586.D

Acq: 11 Dec 2018 06:04

Instrument :

MSVOA_U

ClientSampleId :

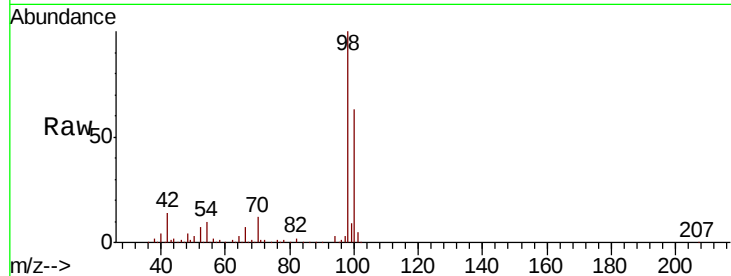
BP-DUP04-20181208

Tot Ion: 98 Resp: 196366

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

120000

100000

80000

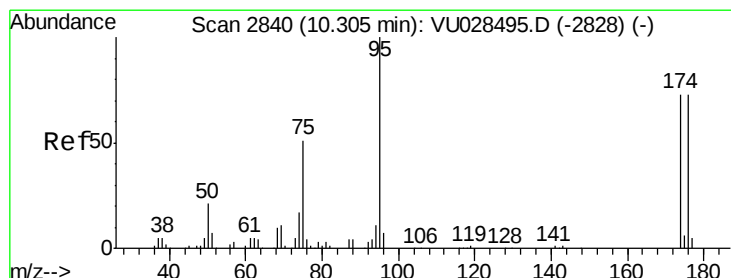
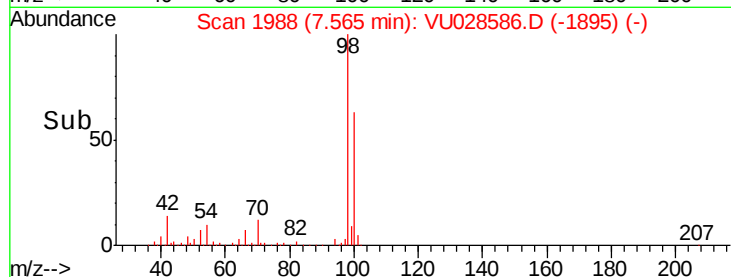
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.465 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028586.D

Acq: 11 Dec 2018 06:04

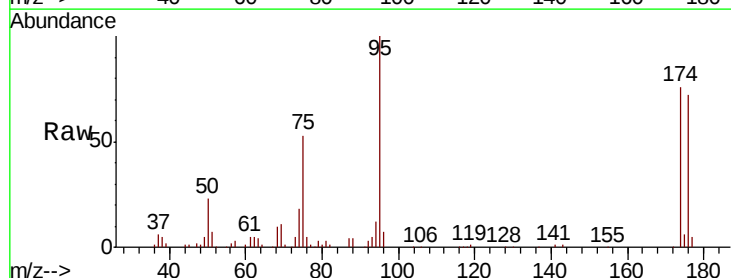
Tgt Ion: 95 Resp: 65225

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

176 71.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

10.30

50000

40000

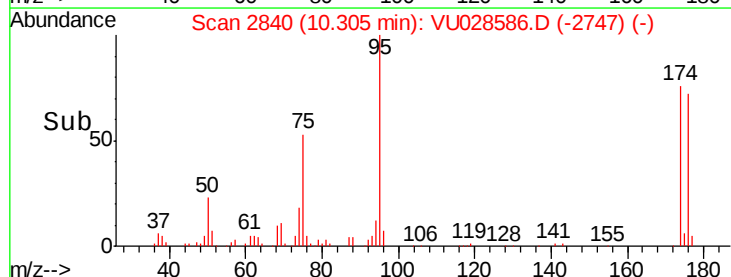
30000

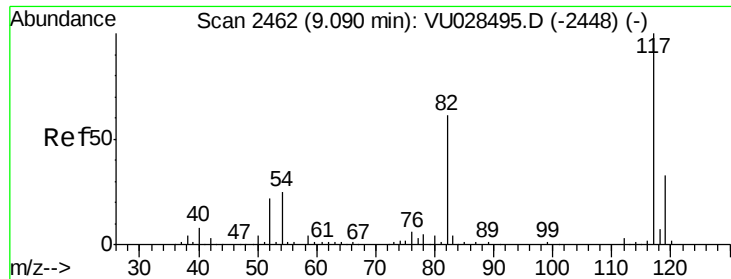
20000

10000

0

Time-->

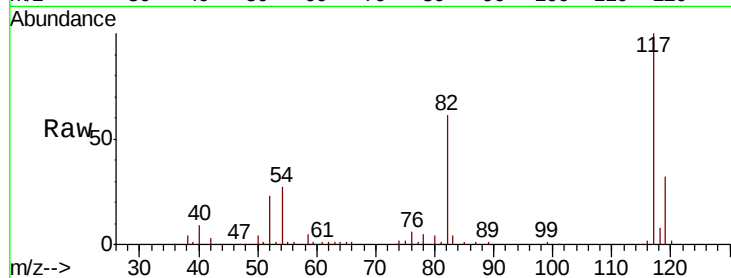




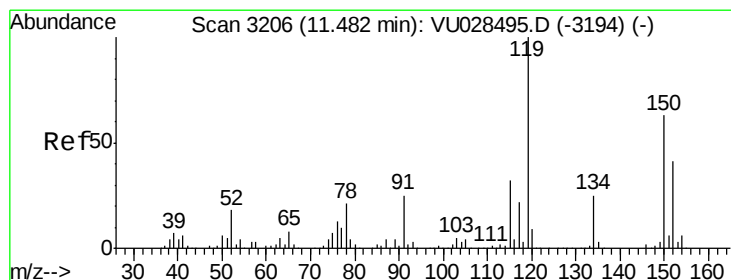
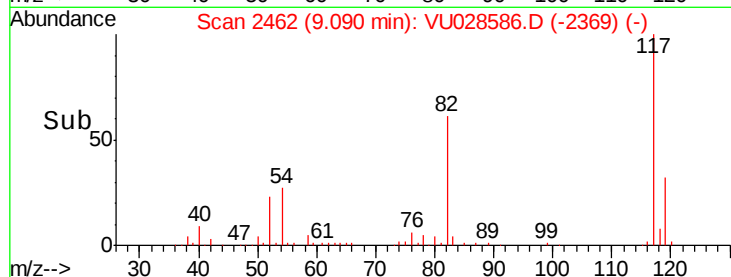
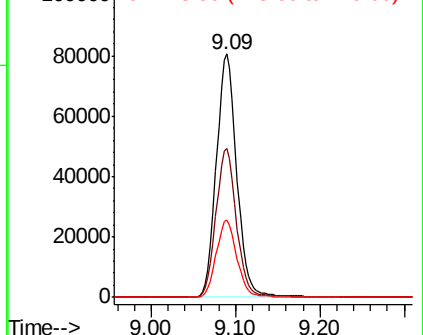
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028586.D
Acq: 11 Dec 2018 06:04

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP04-20181208

Tot Ion:117 Resp: 136367
Ion Ratio Lower Upper
117 100
82 61.1 48.9 73.3
119 31.7 26.2 39.4

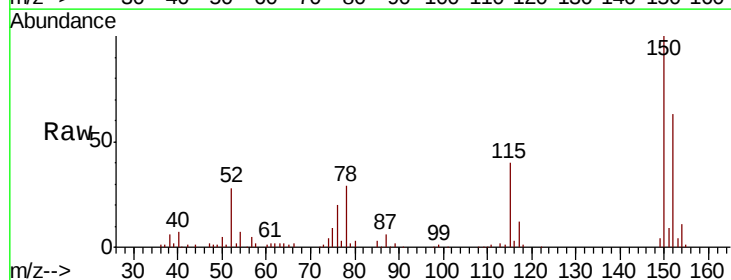


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028586.D
Acq: 11 Dec 2018 06:04

Tgt Ion:152 Resp: 53547
Ion Ratio Lower Upper
152 100
115 62.0 42.7 128.1
150 158.2 0.0 346.0



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

