

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026979.D
 Acq On : 21 Sep 2018 20:05
 Operator : MD/SY
 Sample : J4916-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20180911

Quant Time: Sep 22 02:36:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157903	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76228	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	91177	56.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.50%	
35) Dibromofluoromethane	4.88	113	68341	49.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.86%	
50) Toluene-d8	7.57	98	251902	48.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	85437	47.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.46%	

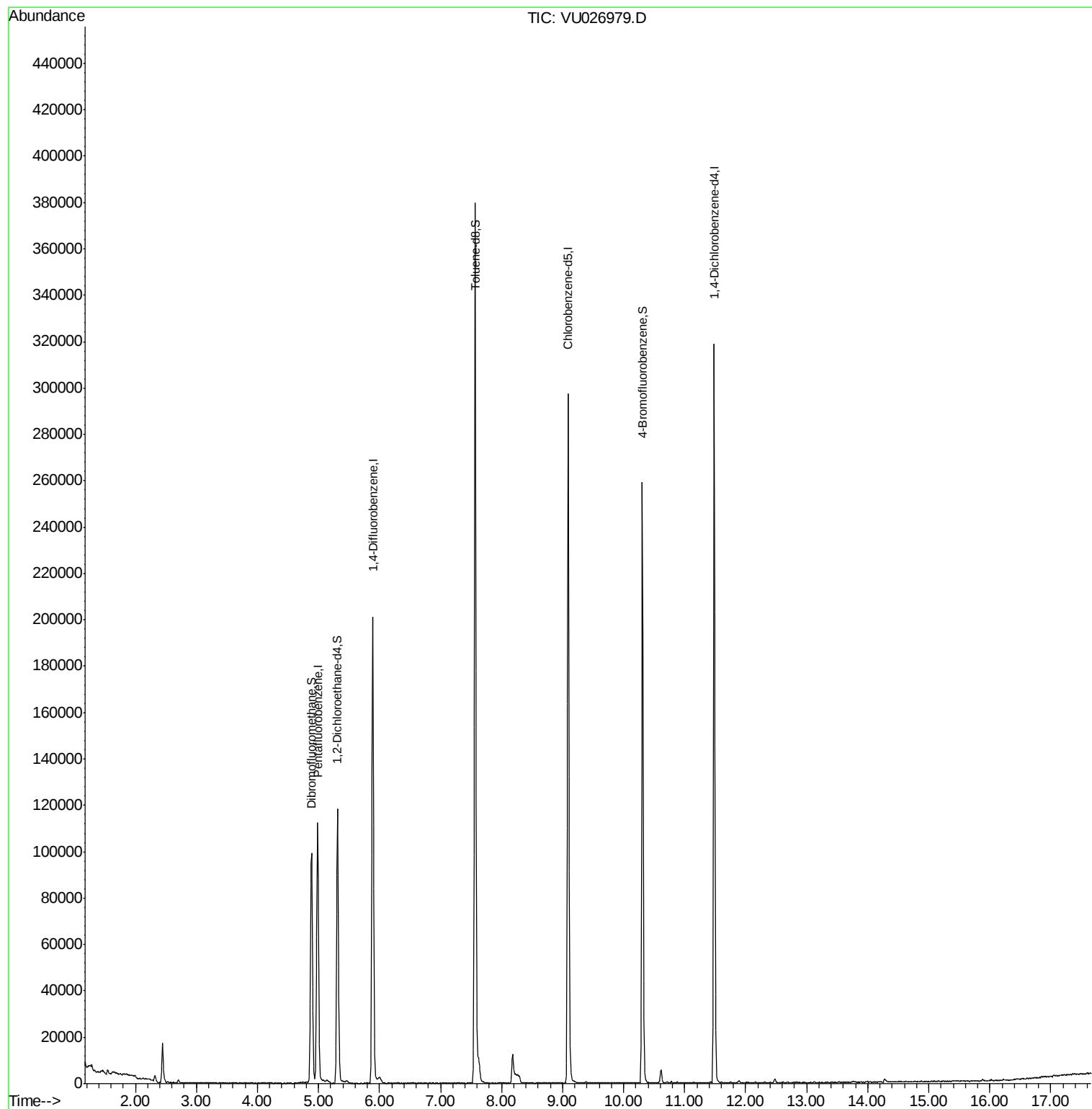
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

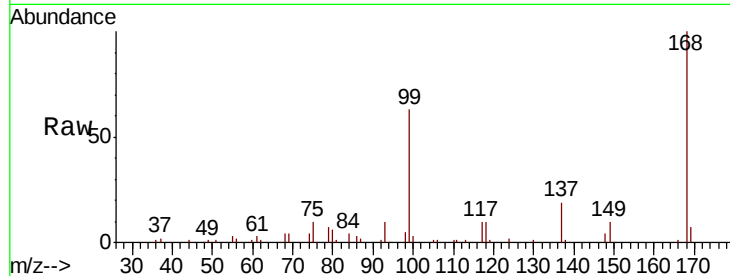
TB01-20180911

Tot Ion:168 Resp: 79830

Ion Ratio Lower Upper

168 100

99 63.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026979.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026979.D (-1169) (-)

4.99

30000

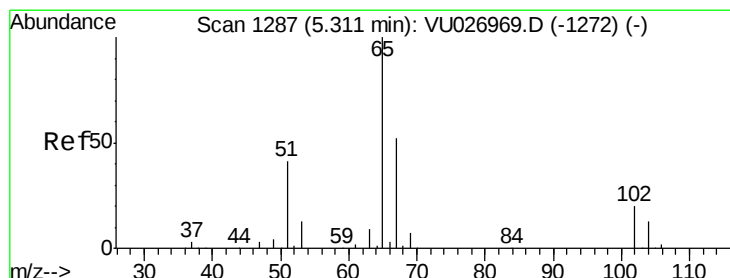
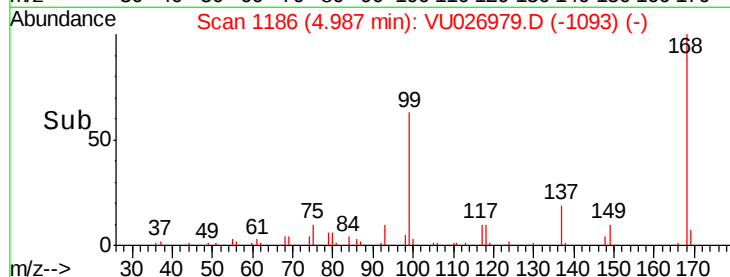
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.748 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU026979.D

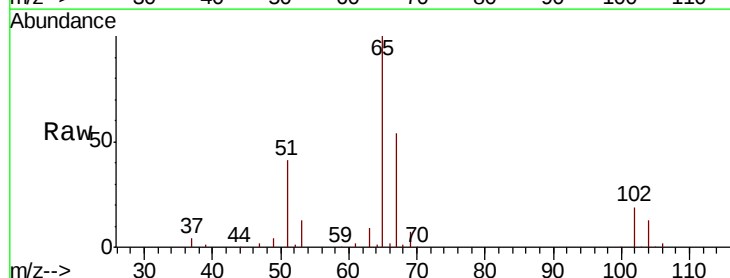
Acq: 21 Sep 2018 20:05

Tgt Ion: 65 Resp: 91177

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026979.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026979.D (-1272) (-)

5.31

50000

40000

30000

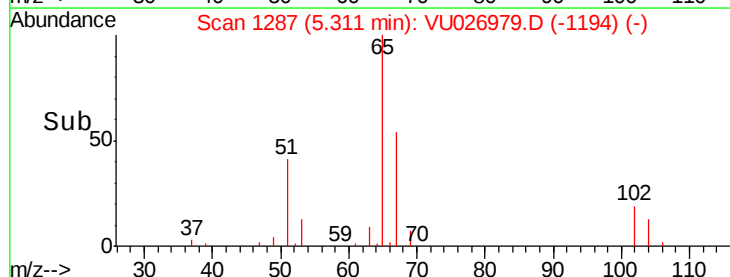
20000

10000

0

5.25 5.30 5.35 5.40

Time-->

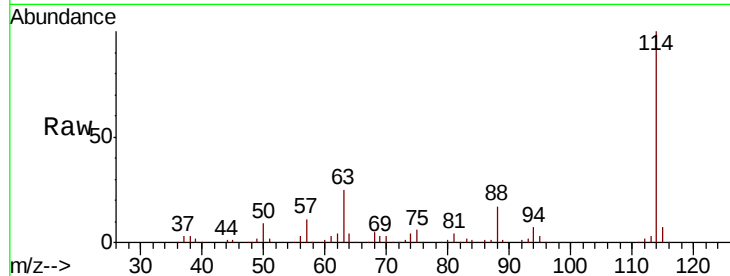




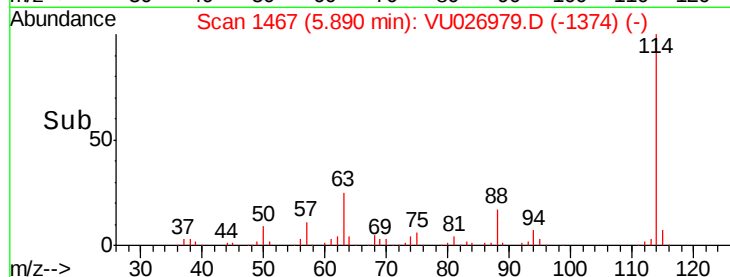
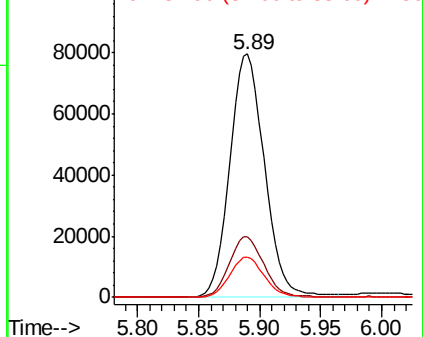
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

Instrument :
 MSVOA_U
 ClientSampleId :
 TB01-20180911

Tot Ion:114 Resp: 157903
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.5 0.0 33.8

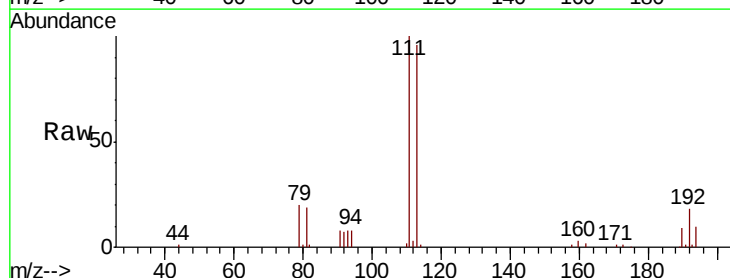


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

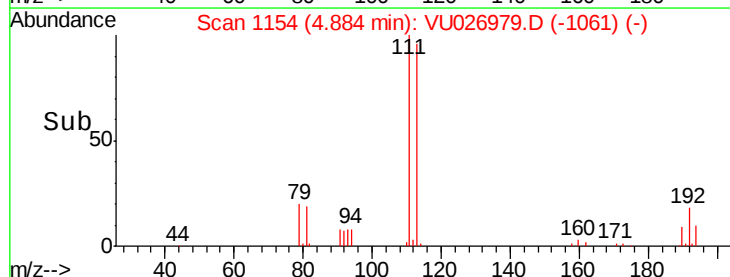
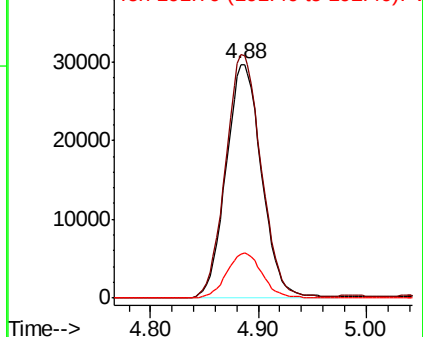


#35
 Dibromofluoromethane
 Concen: 49.931 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026979.D
 Acq: 21 Sep 2018 20:05

Tgt Ion:113 Resp: 68341
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.4
 192 19.2 15.2 22.8



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: 48.292 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

Instrument :

MSVOA_U

ClientSampleId :

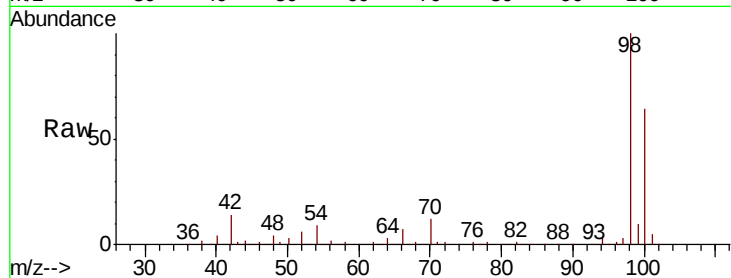
TB01-20180911

Tot Ion: 98 Resp: 251902

Ion Ratio Lower Upper

98 100

100 62.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026979.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026979.D (-1974) (-)

7.57

150000

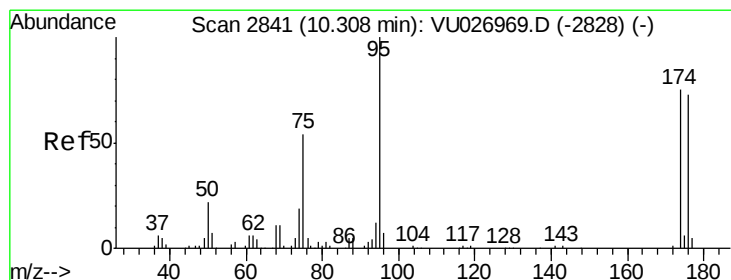
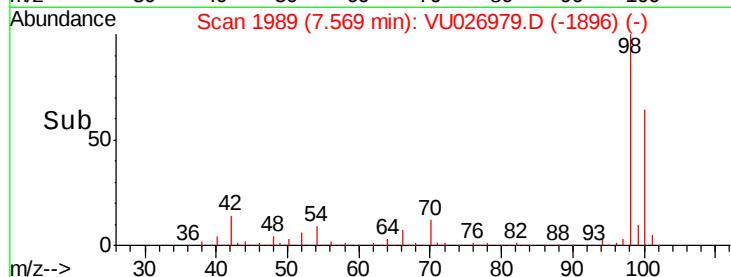
100000

50000

0

7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 47.734 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU026979.D

Acq: 21 Sep 2018 20:05

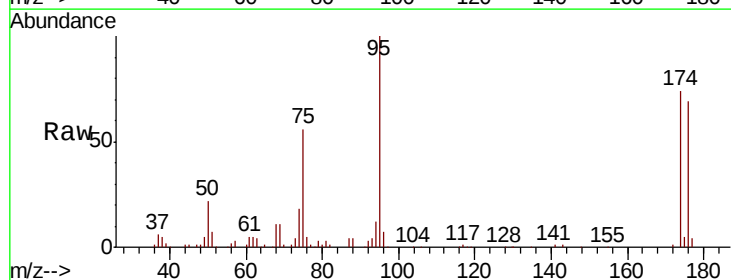
Tgt Ion: 95 Resp: 85437

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

176 72.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026979.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026979.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026979.D (-2828) (-)

10.31

60000

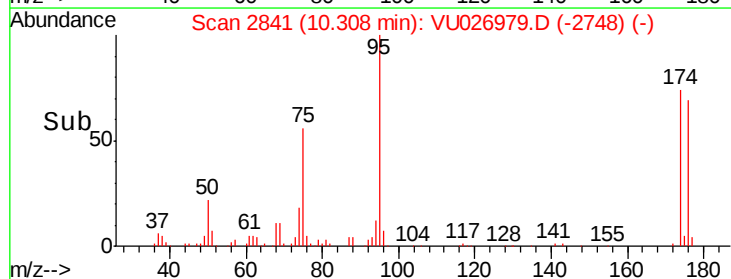
40000

20000

0

10.30 10.40

Time-->

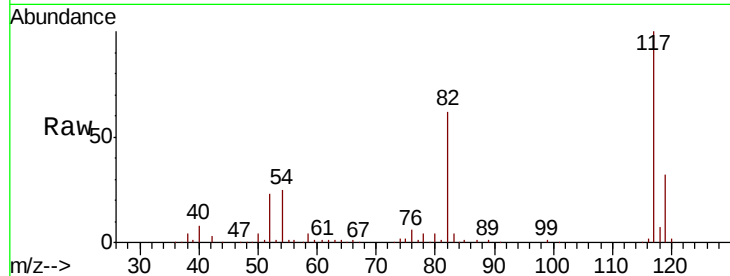




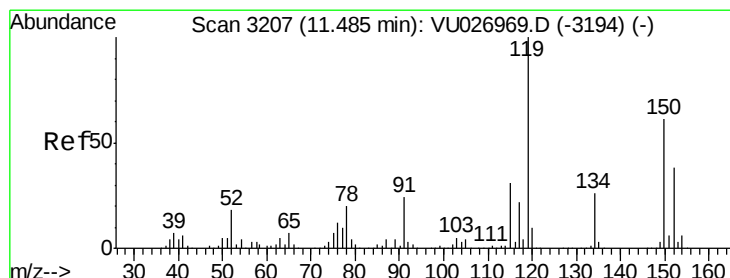
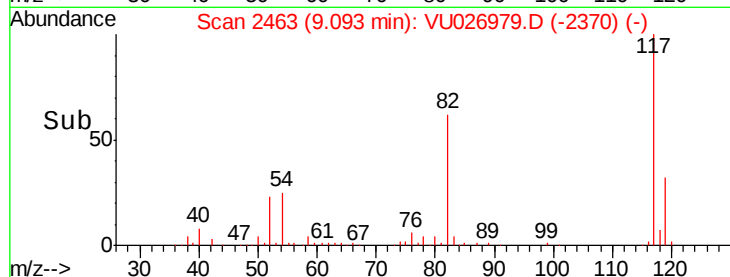
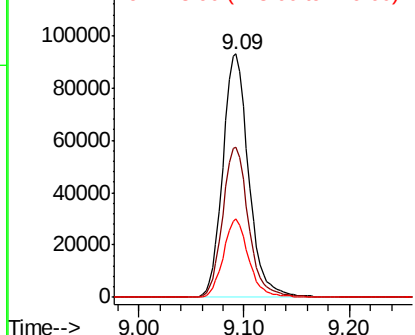
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026979.D
Acq: 21 Sep 2018 20:05

Instrument :
MSVOA_U
ClientSampleId :
TB01-20180911

Tot Ion:117 Resp: 157918
Ion Ratio Lower Upper
117 100
82 61.9 48.0 72.0
119 32.0 25.8 38.8

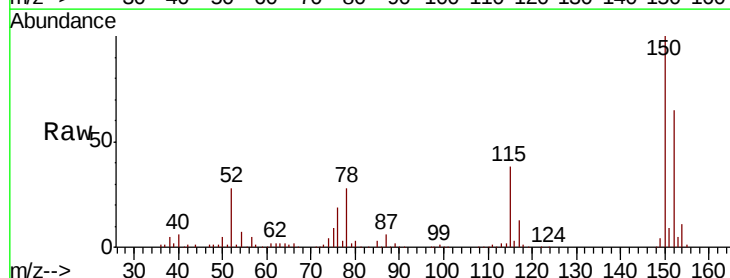


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU026979.D
Acq: 21 Sep 2018 20:05

Tgt Ion:152 Resp: 76228
Ion Ratio Lower Upper
152 100
115 60.6 44.9 134.5
150 155.1 0.0 355.8



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

