

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028746.D
 Acq On : 18 Dec 2018 02:22
 Operator : MD/SY
 Sample : J6413-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Quant Time: Dec 18 08:24:35 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

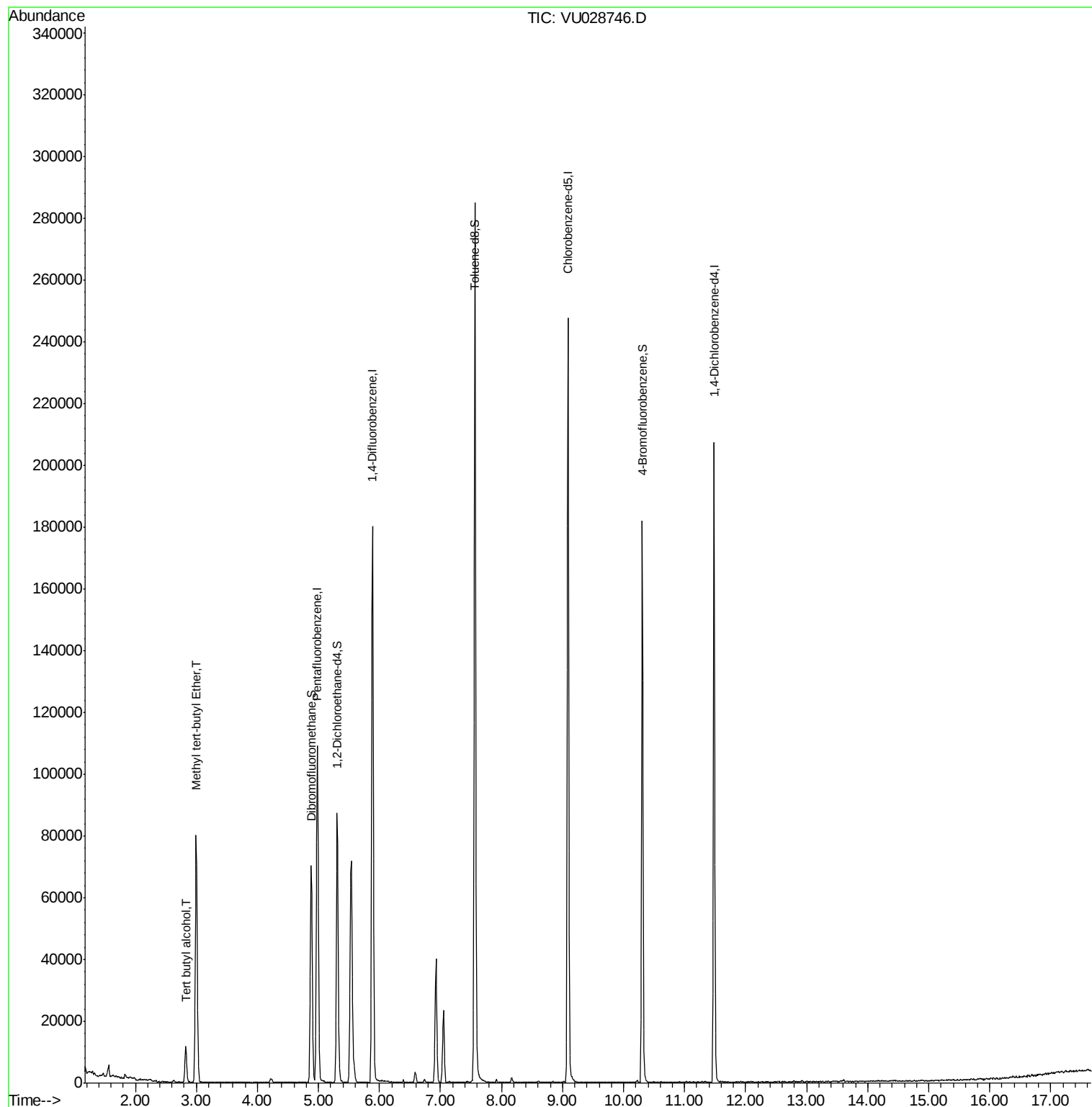
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	81652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	148466	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	128523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49628	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	66689	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.04%	
35) Dibromofluoromethane	4.88	113	49612	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
50) Toluene-d8	7.57	98	187835	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	10.30	95	60202	43.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.16%	
Target Compounds						
11) Tert butyl alcohol	2.83	59	13719	49.417	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	80220	23.277	ug/l	99

(#) = 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: VU028746.D

Acq: 18 Dec 2018 02:22

Instrument :

MSVOA_U

ClientSampled :

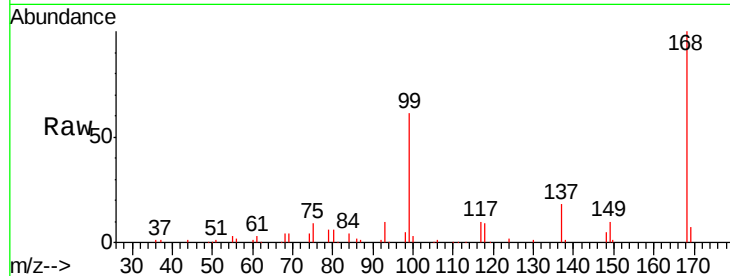
MW-6

Tgt Ion:168 Resp: 81652

Ion Ratio Lower Upper

168 100

99 60.6 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028495.D

4.98

40000

30000

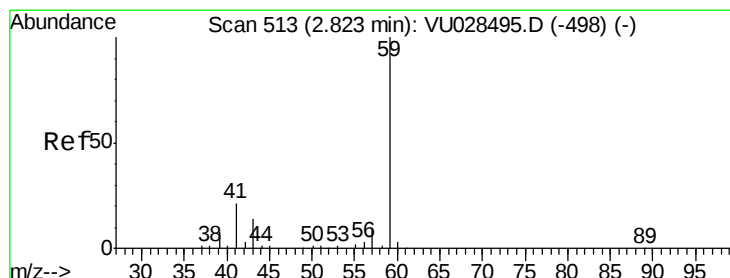
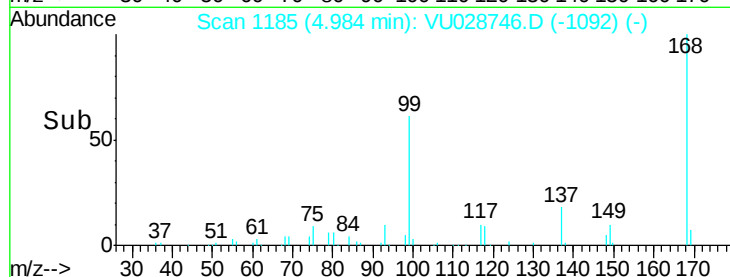
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 49.417 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028746.D

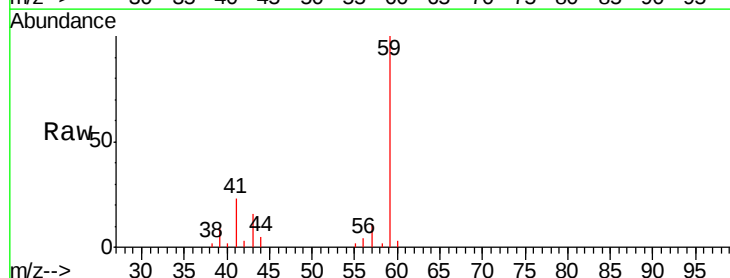
Acq: 18 Dec 2018 02:22

Tgt Ion: 59 Resp: 13719

Ion Ratio Lower Upper

59 100

57 9.8 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D

Ion 57.00 (56.70 to 57.70): VU028495.D

2.83

6000

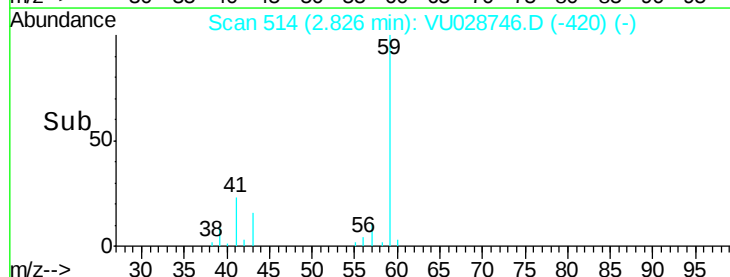
4000

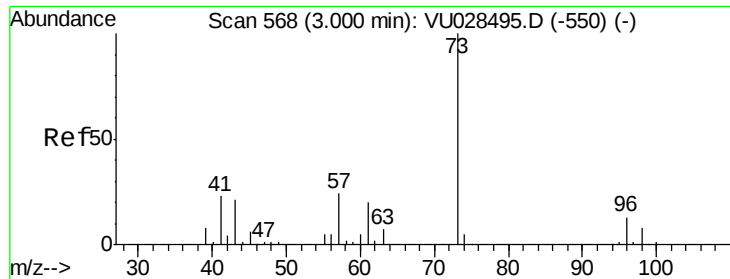
2000

0

2.75 2.80 2.85 2.90

Time-->





#19

Methyl tert-butyl Ether

Concen: 23.277 ug/l

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU028746.D

Acq: 18 Dec 2018 02:22

Instrument :

MSVOA_U

ClientSampled :

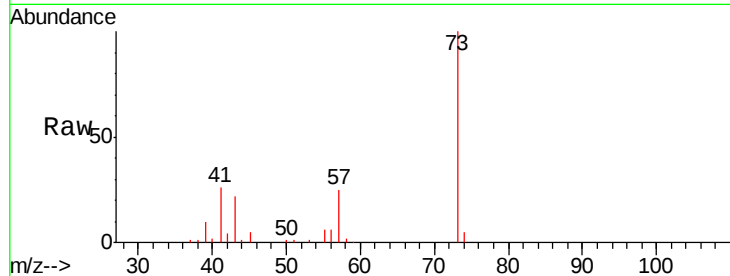
MW-6

Tgt Ion: 73 Resp: 80220

Ion Ratio Lower Upper

73 100

57 24.7 19.4 29.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

3.00

40000

30000

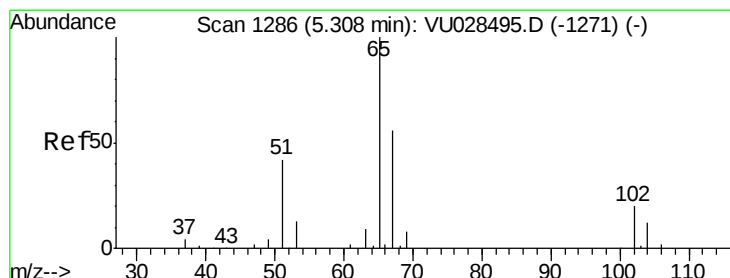
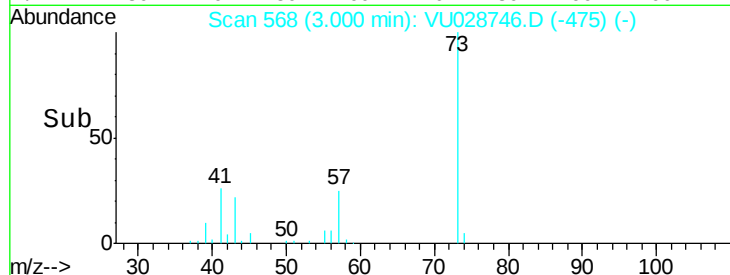
20000

10000

0

Time-->

2.90 3.00 3.10



#33

1,2-Dichloroethane-d4

Concen: 53.520 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028746.D

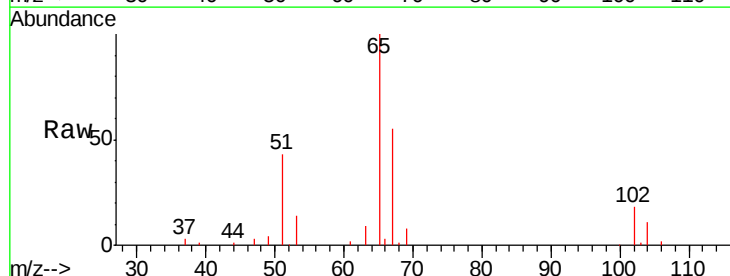
Acq: 18 Dec 2018 02:22

Tgt Ion: 65 Resp: 66689

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

30000

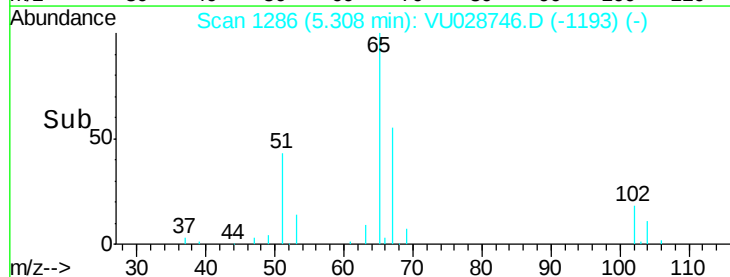
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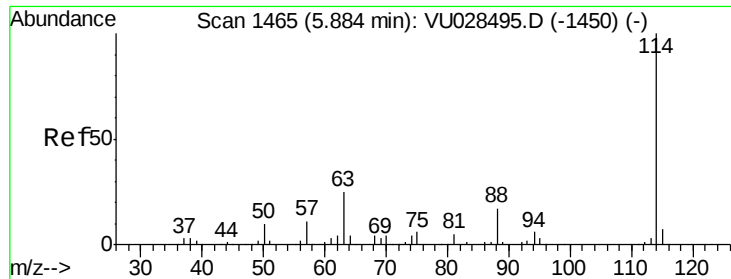
10000

0

Time-->

5.20 5.30 5.40

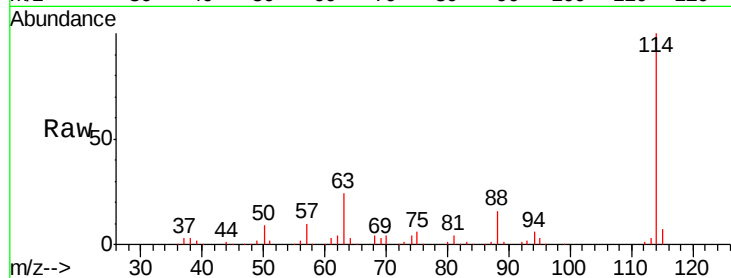




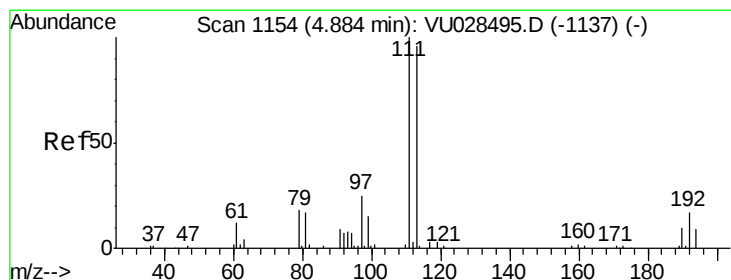
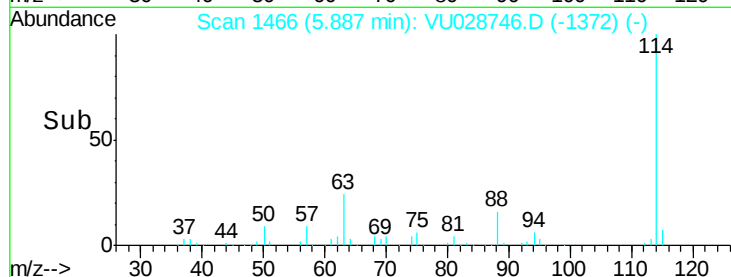
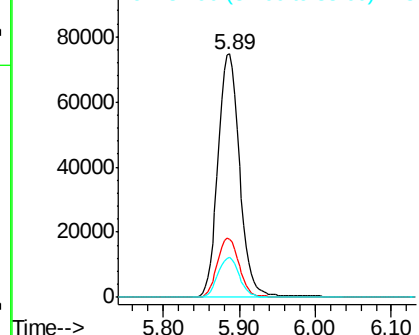
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028746.D
 Acq: 18 Dec 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Tgt Ion:114 Resp: 148466
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.3 0.0 33.4

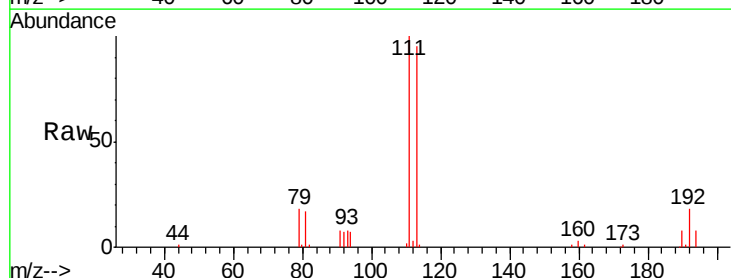


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

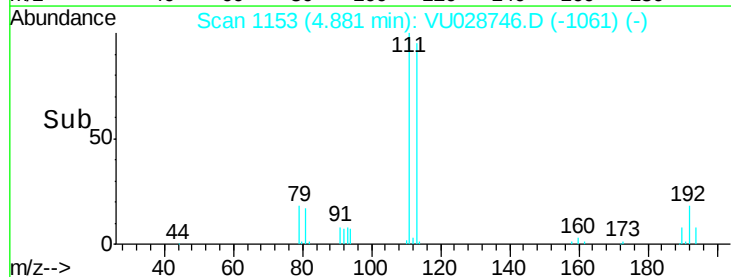
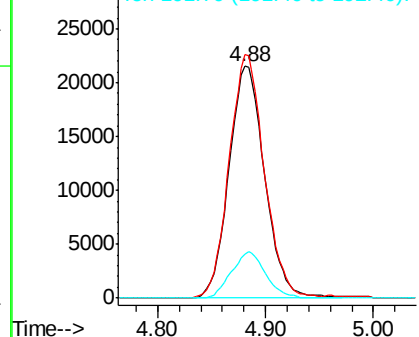


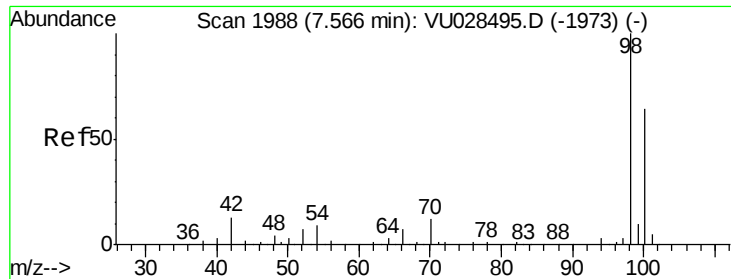
#35
 Dibromofluoromethane
 Concen: 53.100 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028746.D
 Acq: 18 Dec 2018 02:22

Tgt Ion:113 Resp: 49612
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.0
 192 19.0 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: 50.822 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028746.D

Acq: 18 Dec 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

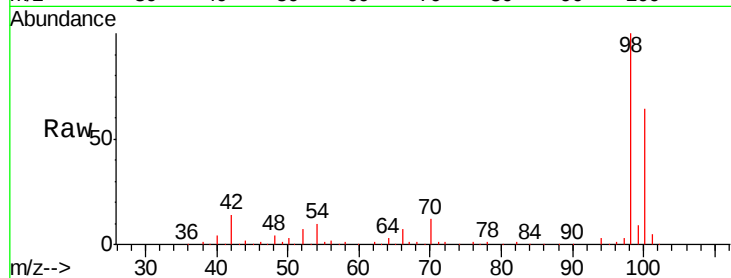
MW-6

Tgt Ion: 98 Resp: 187835

Ion Ratio Lower Upper

98 100

100 63.1 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

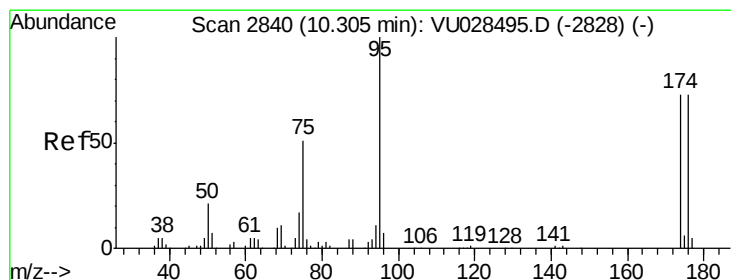
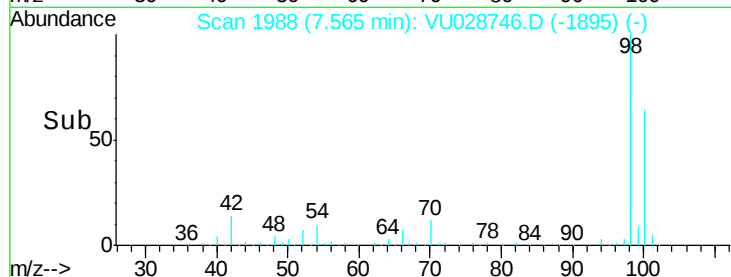
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.580 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028746.D

Acq: 18 Dec 2018 02:22

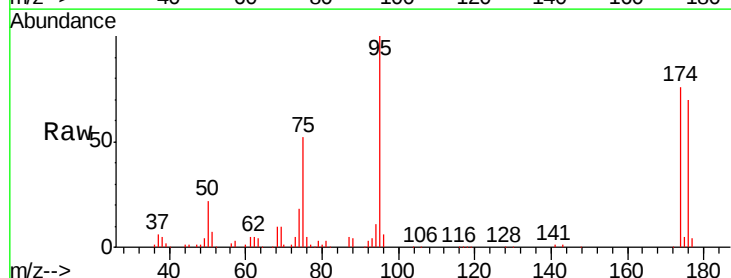
Tgt Ion: 95 Resp: 60202

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.4

176 72.2 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

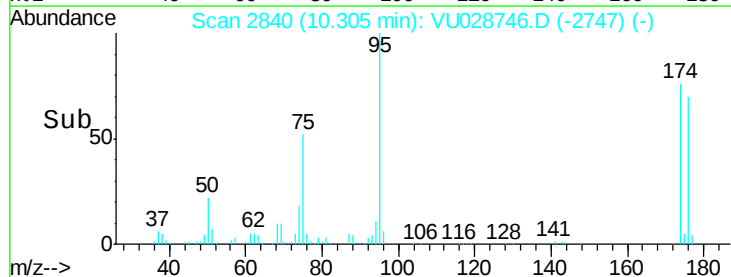
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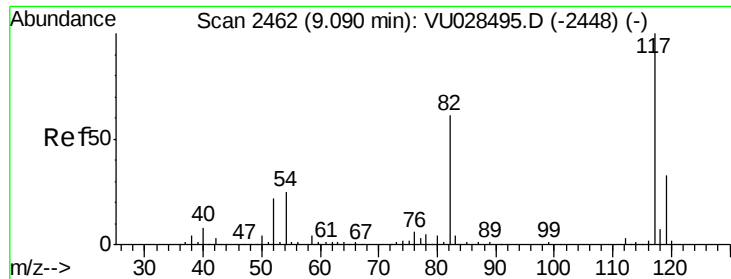
20000

10000

0

Time-->

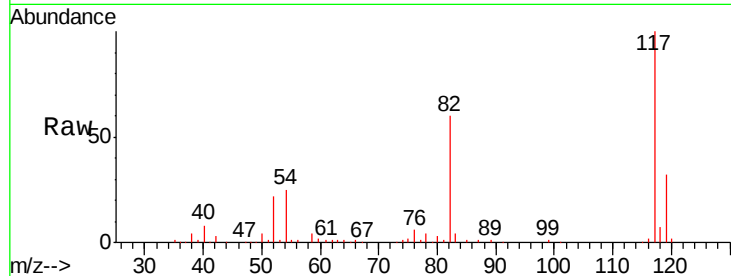




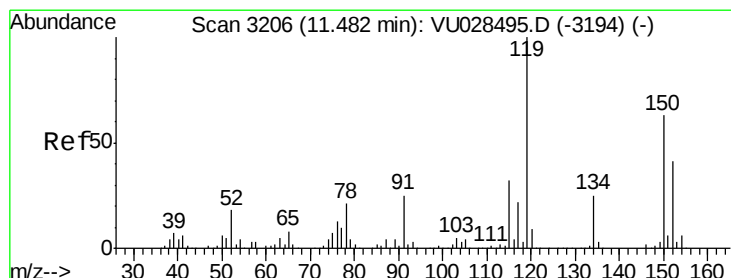
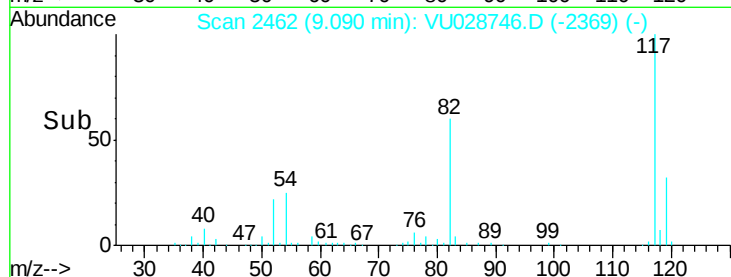
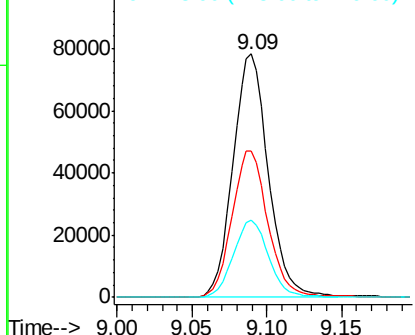
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028746.D
Acq: 18 Dec 2018 02:22

Instrument :
MSVOA_U
ClientSampleId :
MW-6

Tgt Ion:117 Resp: 128523
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 31.5 26.2 39.4

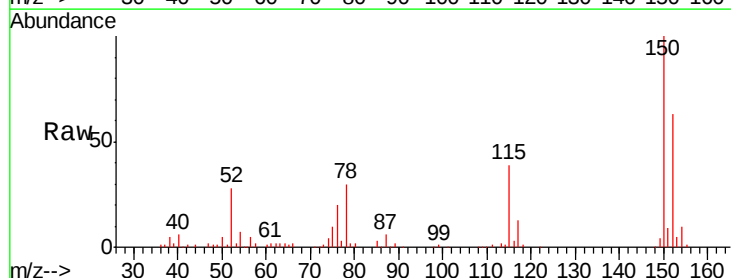


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028746.D
Acq: 18 Dec 2018 02:22

Tgt Ion:152 Resp: 49628
Ion Ratio Lower Upper
152 100
115 61.1 42.7 128.1
150 157.6 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

