

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082918\
 Data File : VF060182.D
 Acq On : 29 Aug 2018 8:17
 Operator : VA/AP
 Sample : J4274-05
 Misc : 6.29g/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HD-01-082718

Quant Time: Aug 29 08:45:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 29 03:22:03 2018
 Response via : Initial Calibration

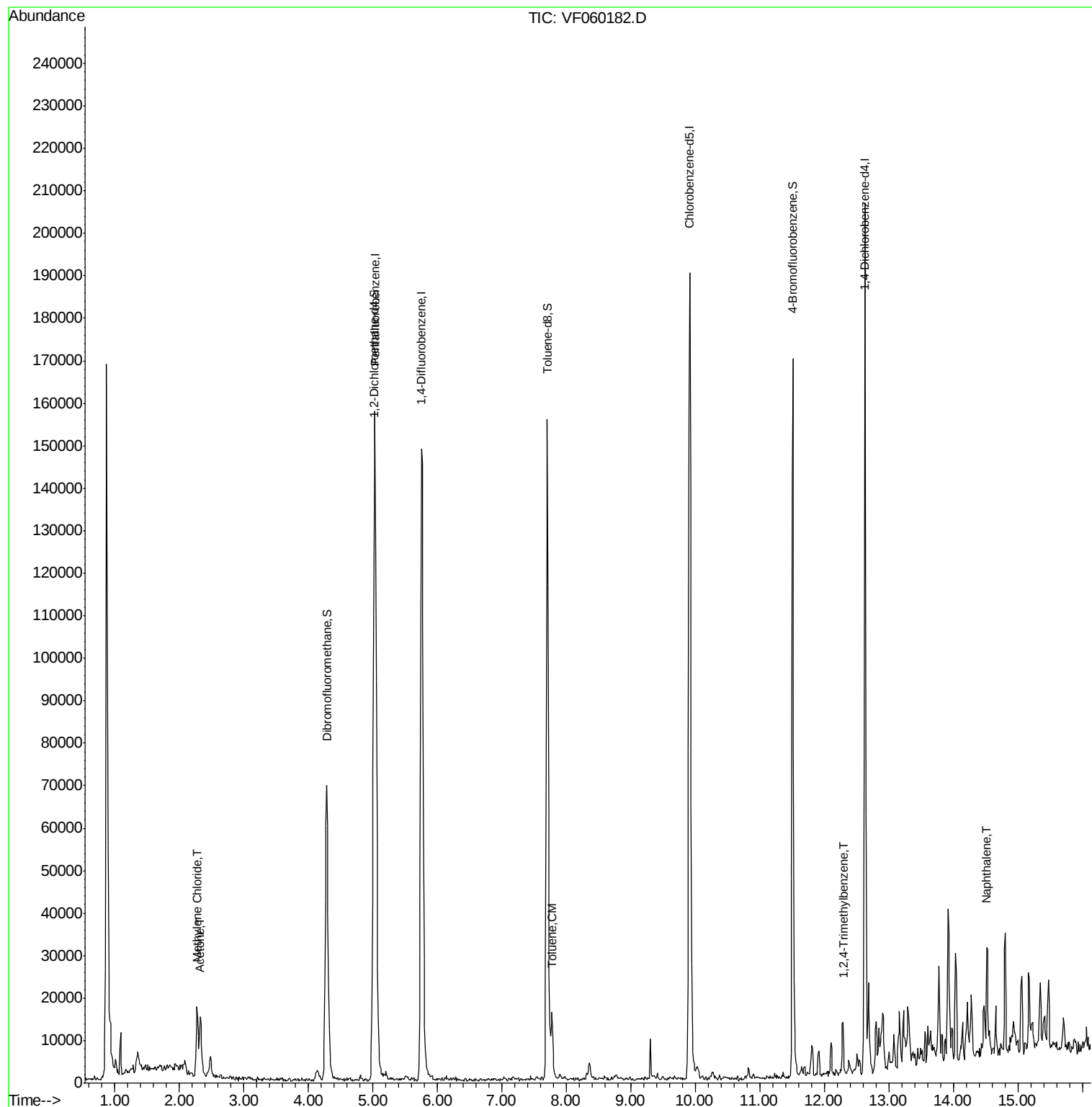
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	114000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	154706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	130249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	51474	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	59078	82.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	165.96%	
35) Dibromofluoromethane	4.29	113	61265	61.56	ug/l	0.02
Spiked Amount 50.000			Recovery	=	123.12%	
50) Toluene-d8	7.71	98	123919	36.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.80%	
62) 4-Bromofluorobenzene	11.51	95	56891	45.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.62%	
Target Compounds						
16) Acetone	2.32	43	17445	210.63	ug/l	Qvalue 100
20) Methylene Chloride	2.27	84	8191	11.90	ug/l #	87
52) Toluene	7.78	92	5860	2.61	ug/l	83
84) 1,2,4-Trimethylbenzene	12.29	105	7171	1.97	ug/l	99
95) Naphthalene	14.52	128	11736	25.19	ug/l	97

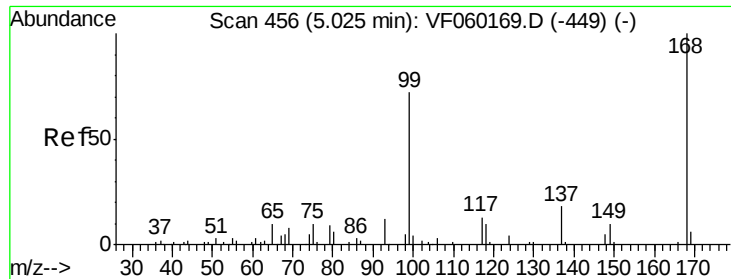
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 29 03:22:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

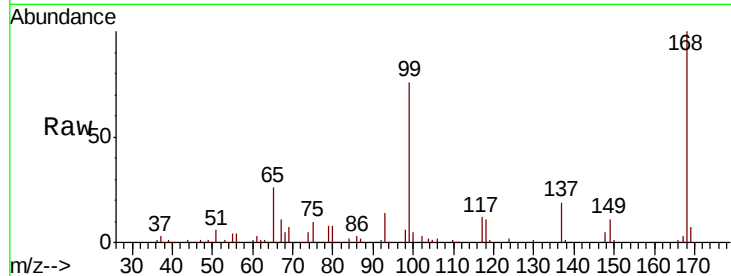
HD-01-082718

Tot Ion:168 Resp: 114000

Ion Ratio Lower Upper

168 100

99 76.4 57.9 86.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

40000

30000

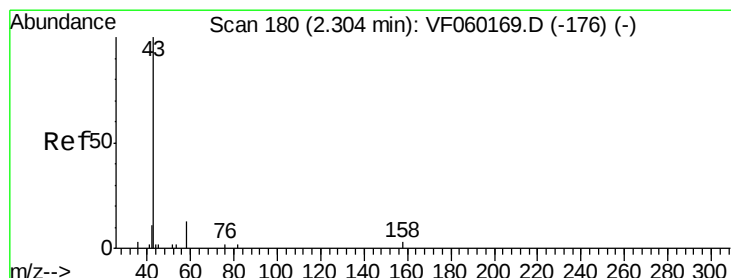
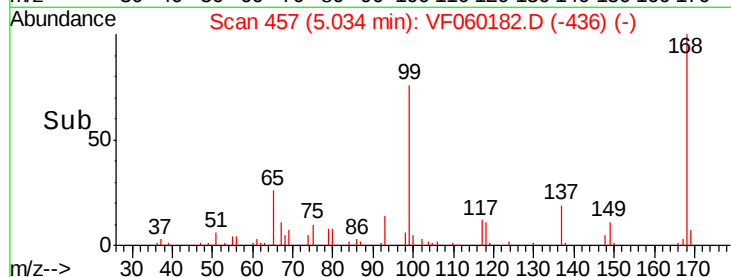
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 210.63 ug/l

RT: 2.32 min Scan# 182

Delta R.T. 0.02 min

Lab File: VF060182.D

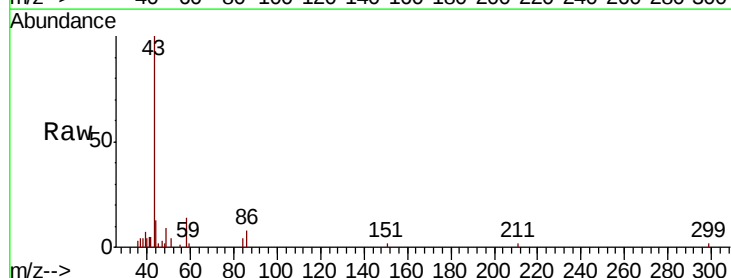
Acq: 29 Aug 2018 8:17

Tgt Ion: 43 Resp: 17445

Ion Ratio Lower Upper

43 100

58 13.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

8000

6000

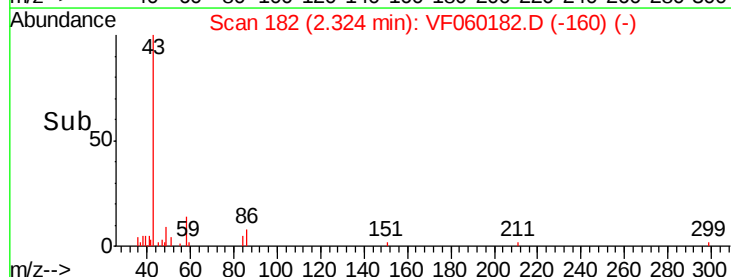
4000

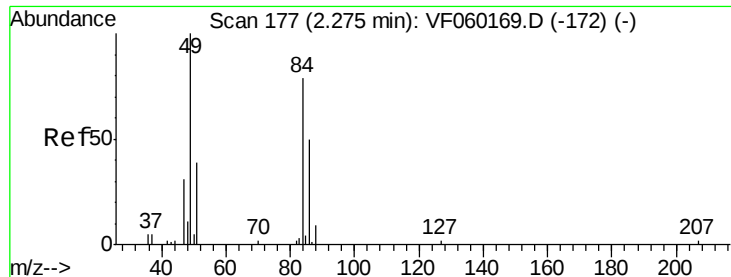
2000

0

2.30 2.40

Time-->





#20

Methylene Chloride

Concen: 11.90 ug/l

RT: 2.27 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

HD-01-082718

Tot Ion: 84 Resp: 8191

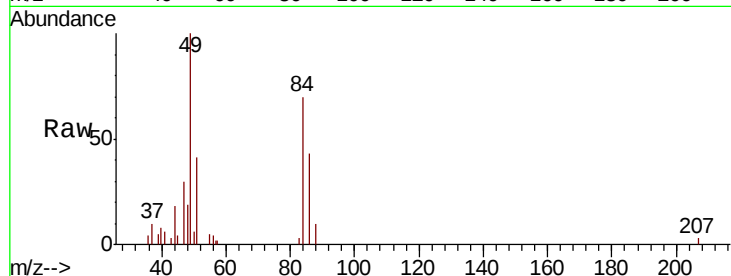
Ion Ratio Lower Upper

84 100

49 142.0 97.0 145.4

51 57.7 38.2 57.2#

86 60.4 48.3 72.5

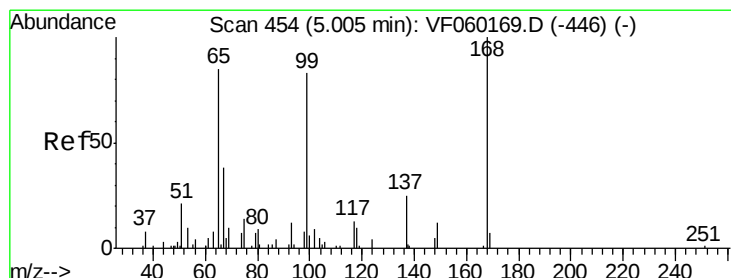
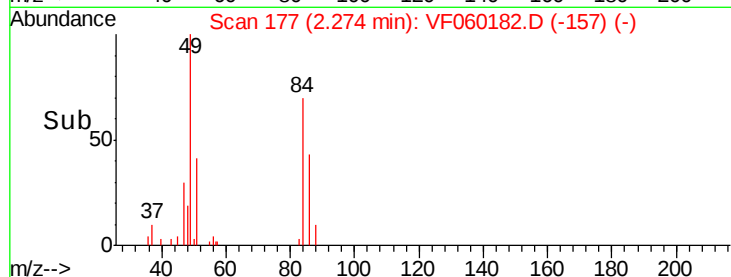
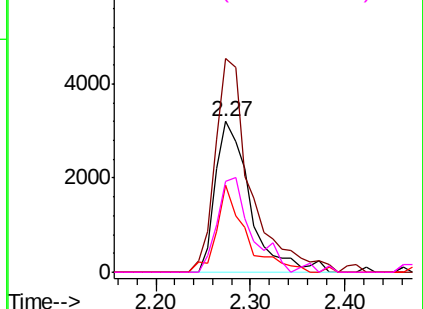


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 82.98 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF060182.D

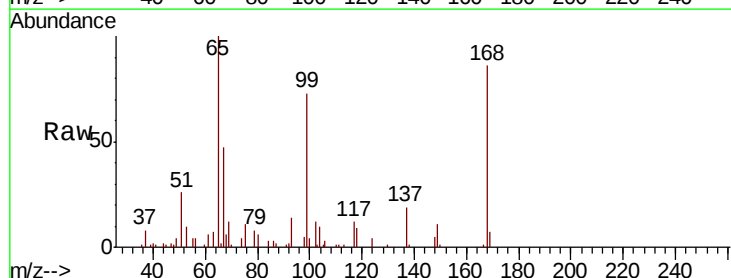
Acq: 29 Aug 2018 8:17

Tgt Ion: 65 Resp: 59078

Ion Ratio Lower Upper

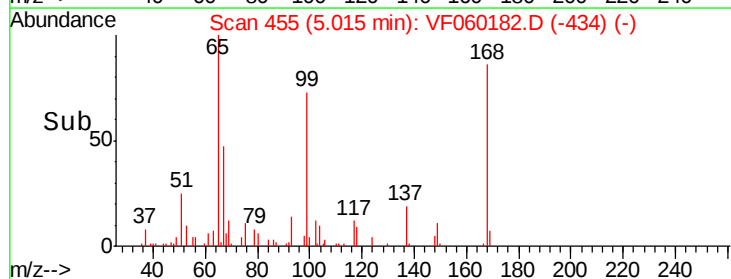
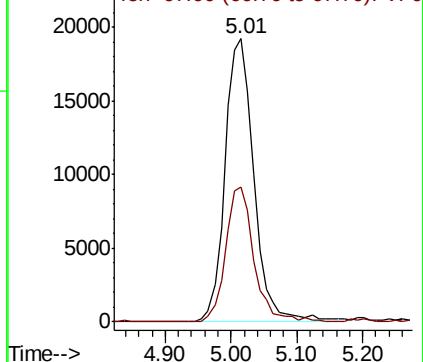
65 100

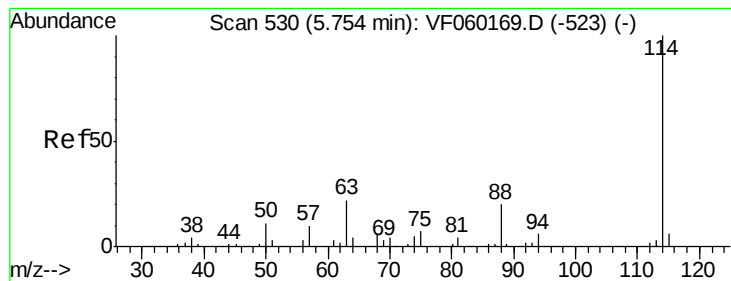
67 47.4 0.0 92.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

HD-01-082718

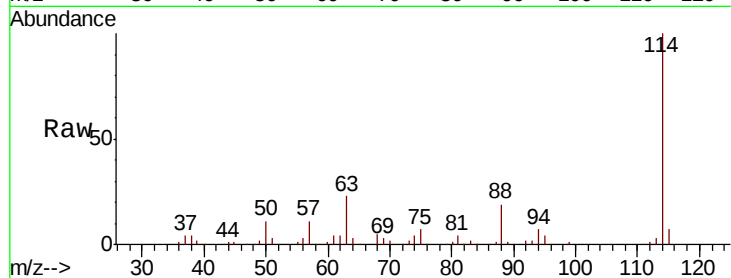
Tot Ion:114 Resp: 154706

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.8

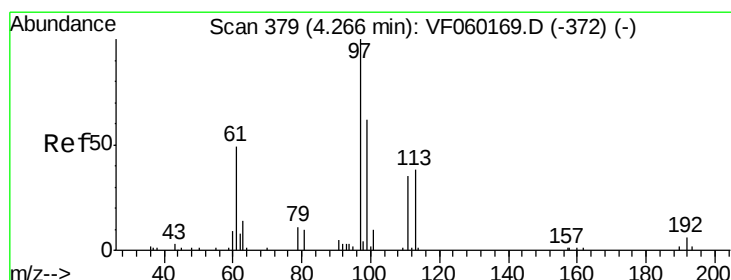
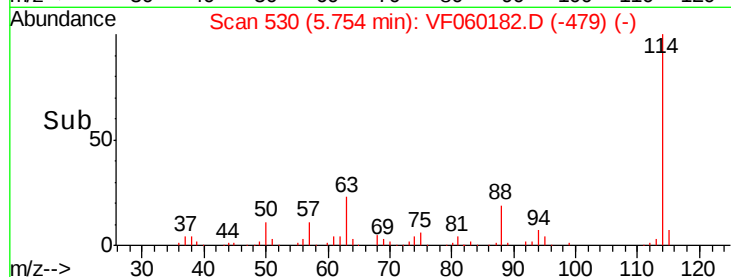
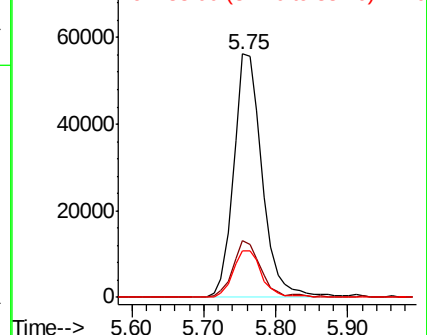
88 19.1 0.0 40.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 61.56 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

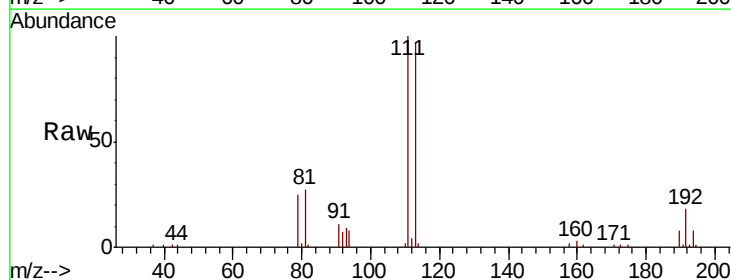
Tgt Ion:113 Resp: 61265

Ion Ratio Lower Upper

113 100

111 102.9 75.5 113.3

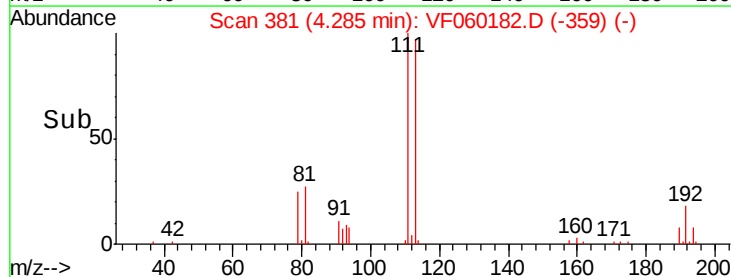
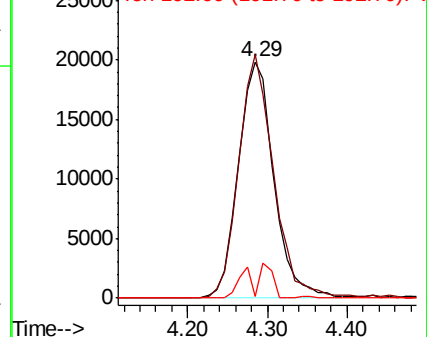
192 0.6 12.5 18.7#

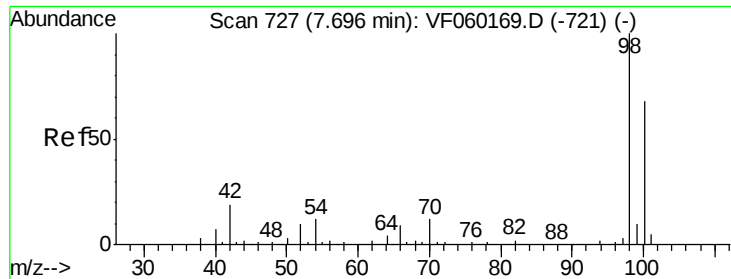


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 36.40 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

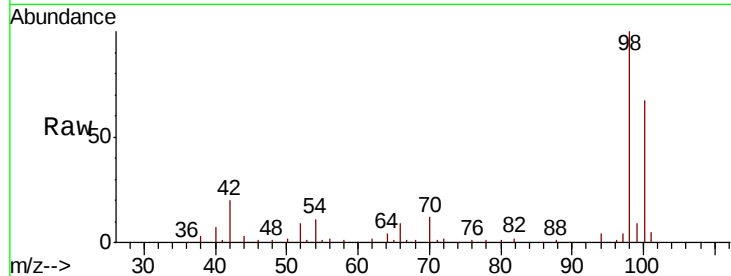
HD-01-082718

Tot Ion: 98 Resp: 123919

Ion Ratio Lower Upper

98 100

100 67.3 54.5 81.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

60000

50000

40000

30000

20000

10000

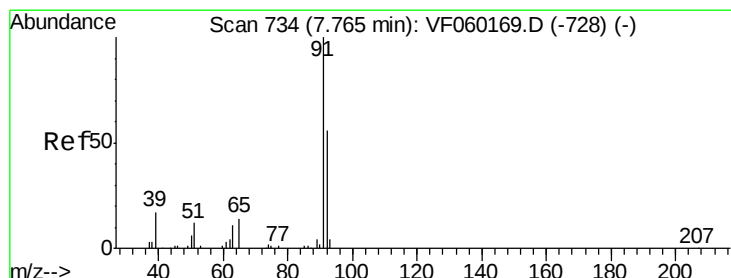
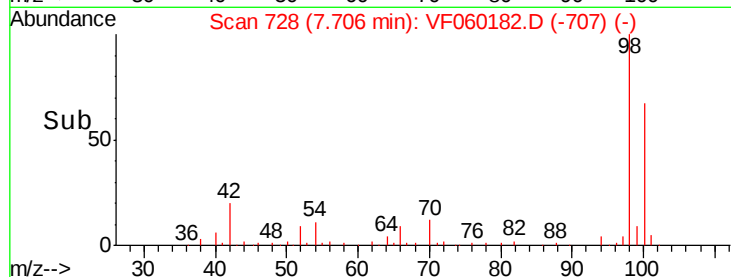
0

7.60

7.70

7.80

Time-->



#52

Toluene

Concen: 2.61 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF060182.D

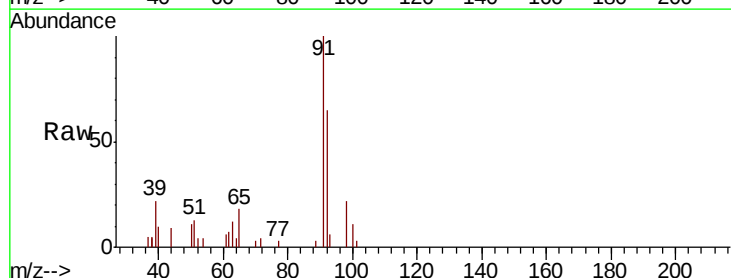
Acq: 29 Aug 2018 8:17

Tgt Ion: 92 Resp: 5860

Ion Ratio Lower Upper

92 100

91 154.1 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

6000

4000

2000

0

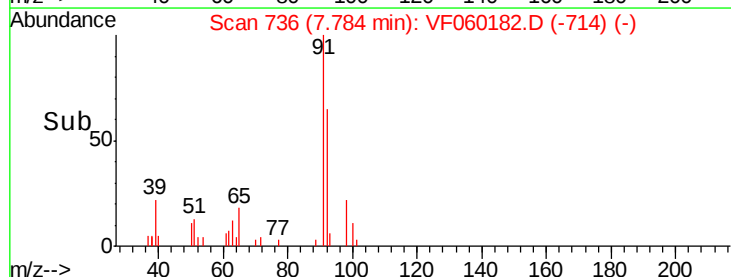
7.70

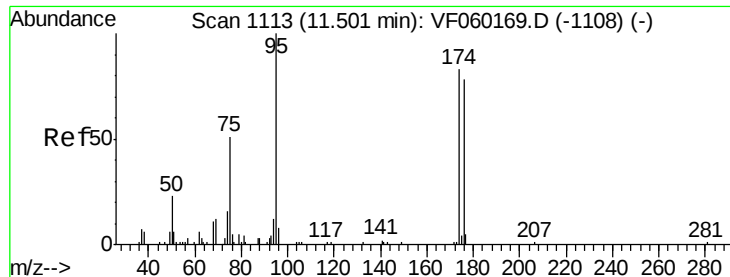
7.75

7.80

7.85

Time-->





#62

4-Bromofluorobenzene

Concen: 45.31 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

HD-01-082718

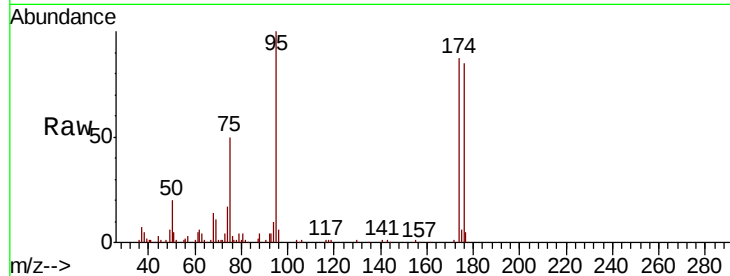
Tot Ion: 95 Resp: 56891

Ion Ratio Lower Upper

95 100

174 86.8 0.0 165.2

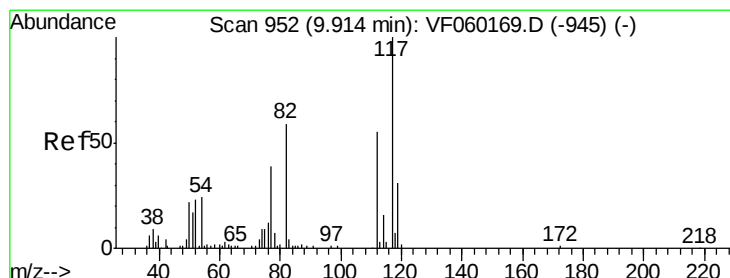
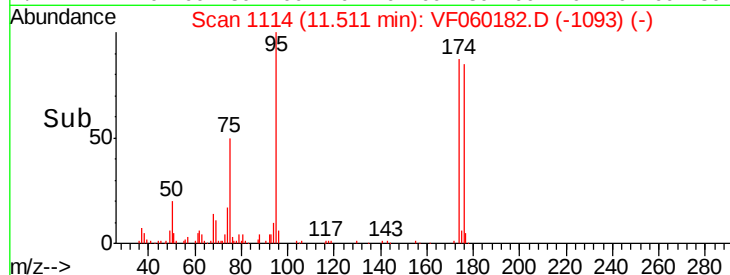
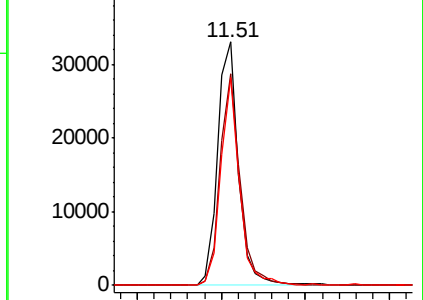
176 85.3 0.0 156.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

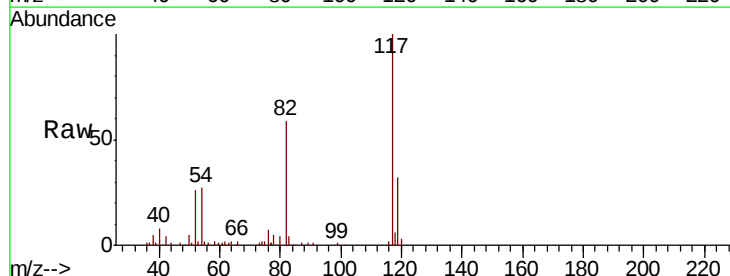
Tgt Ion: 117 Resp: 130249

Ion Ratio Lower Upper

117 100

82 59.0 47.2 70.8

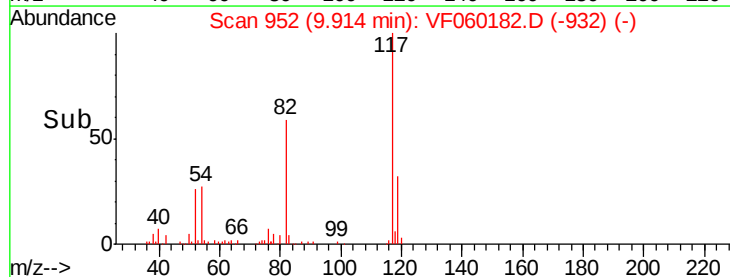
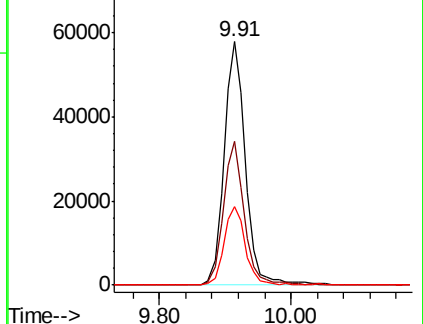
119 32.1 25.0 37.4

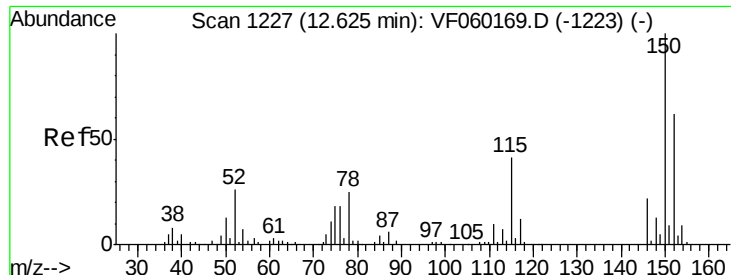


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF060182.D

Acq: 29 Aug 2018 8:17

Instrument :

MSVOA_F

ClientSampleId :

HD-01-082718

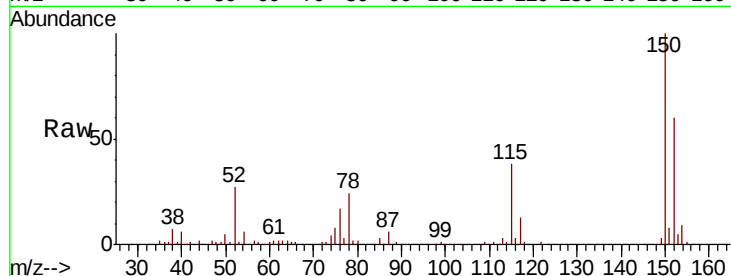
Tot Ion:152 Resp: 51474

Ion Ratio Lower Upper

152 100

115 62.9 33.2 99.6

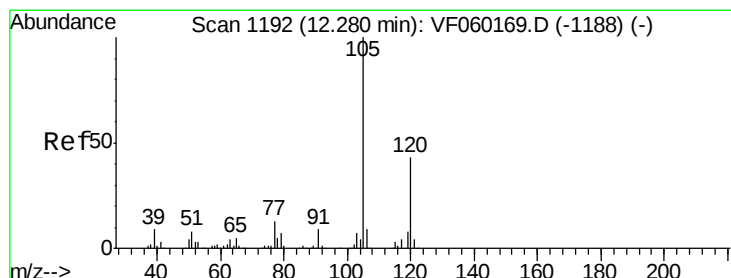
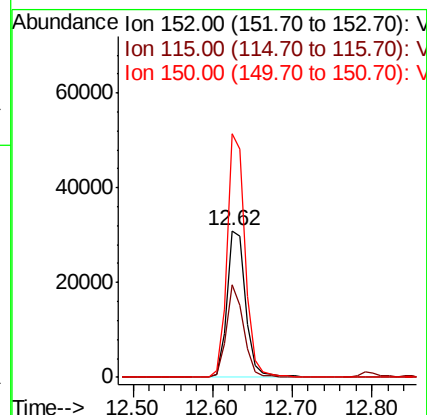
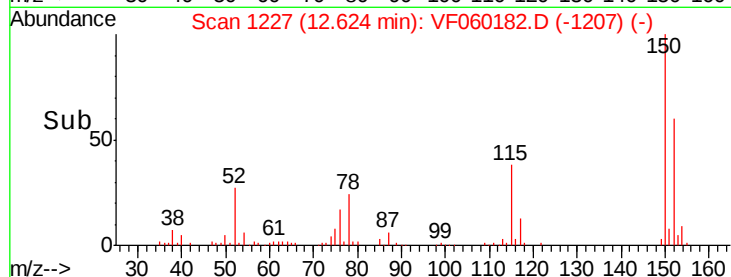
150 166.1 0.0 325.6



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.97 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF060182.D

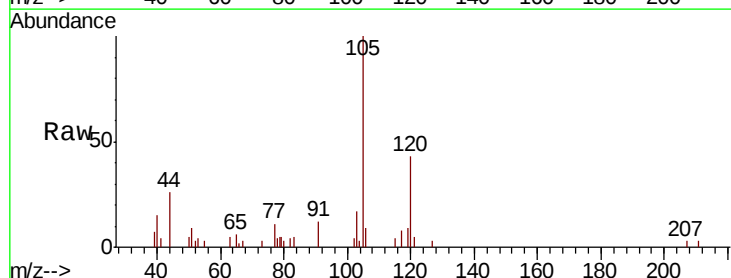
Acq: 29 Aug 2018 8:17

Tgt Ion:105 Resp: 7171

Ion Ratio Lower Upper

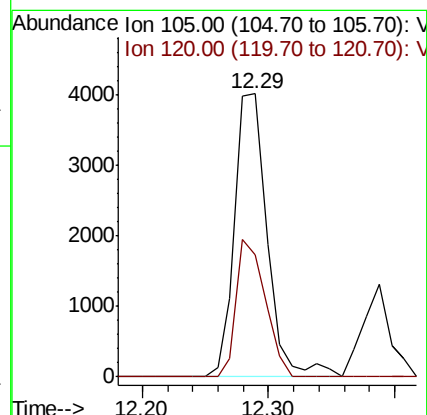
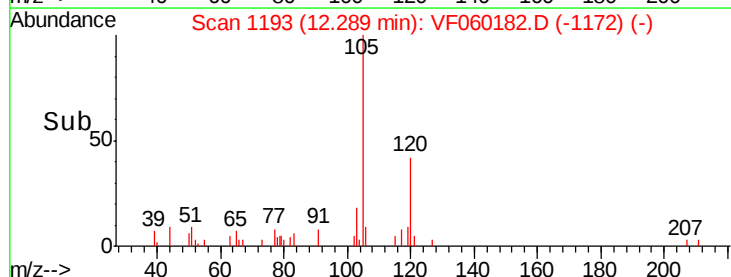
105 100

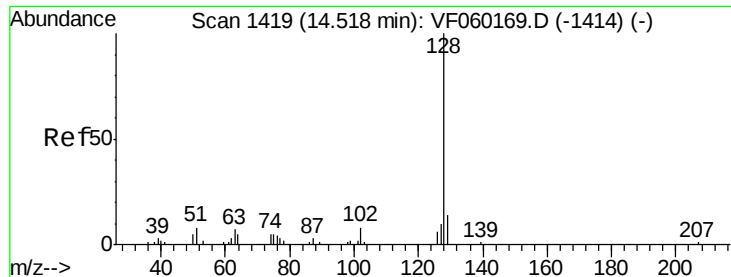
120 43.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

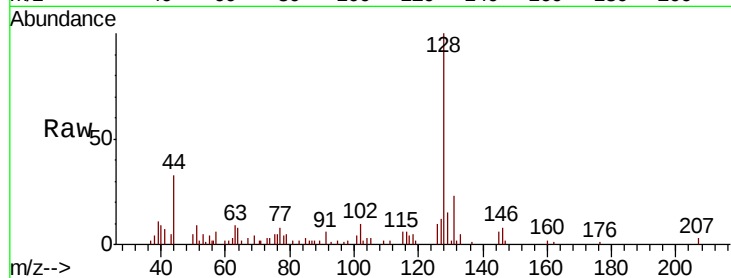




#95
Naphthalene
Concen: 25.19 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060182.D
Acq: 29 Aug 2018 8:17

Instrument :
MSVOA_F
ClientSampleId :
HD-01-082718

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	8.3	12.5
129	15.2	11.5	17.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

