

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
 Data File : VF060231.D
 Acq On : 10 Sep 2018 13:35
 Operator : VA/AP
 Sample : J4803-02
 Misc : 5.16g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q2-E6

Quant Time: Sep 11 07:29:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

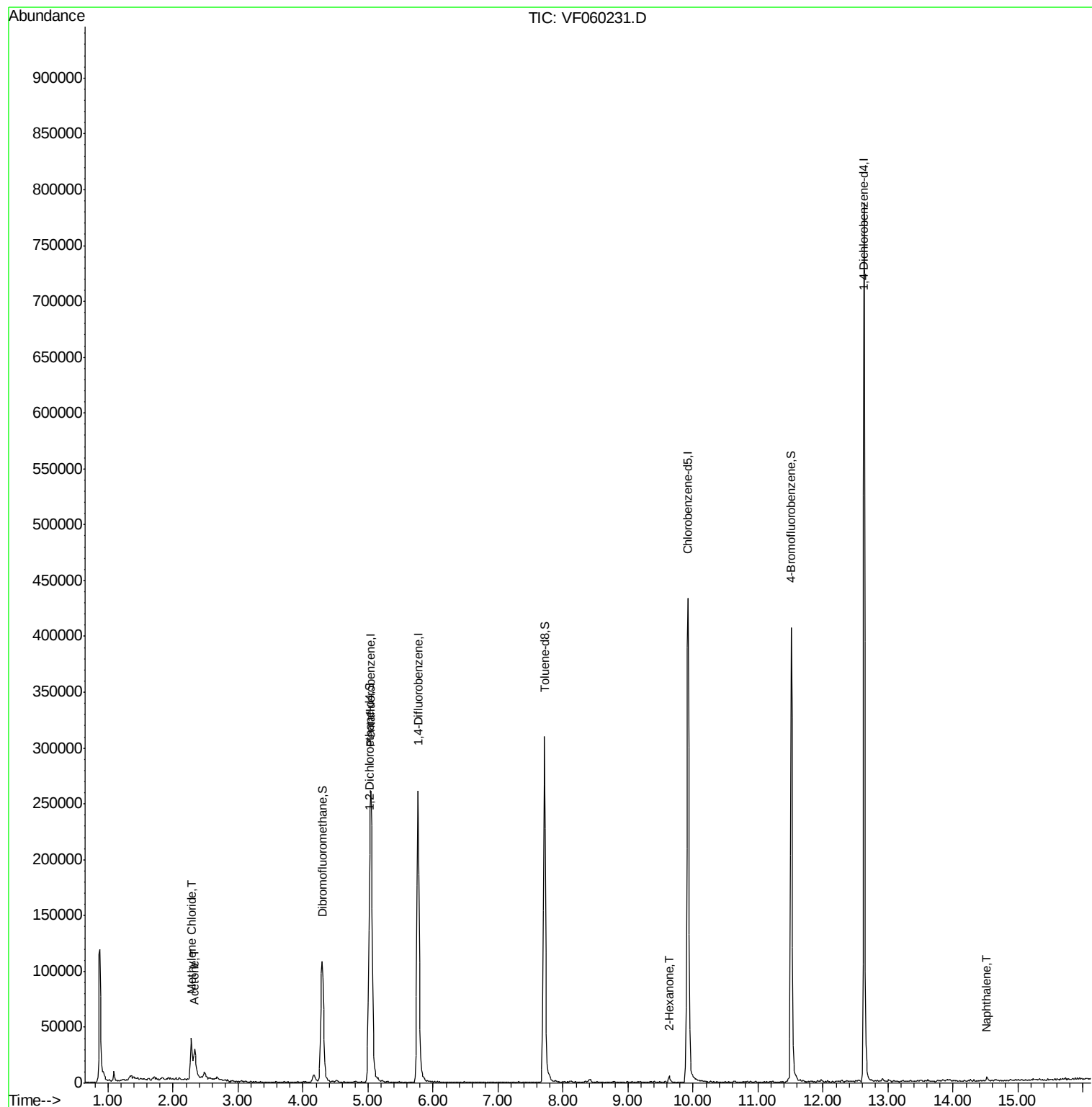
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	193694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	260449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	286702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	183526	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	107786	31.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.70%	
35) Dibromofluoromethane	4.29	113	96944	37.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.98%	
50) Toluene-d8	7.71	98	241675	37.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.90%	
62) 4-Bromofluorobenzene	11.51	95	133425	37.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.28%	
Target Compounds						
16) Acetone	2.33	43	37474	48.53	ug/l #	92
20) Methylene Chloride	2.28	84	17663	2.17	ug/l	90
59) 2-Hexanone	9.64	43	5384	3.39	ug/l	95
95) Naphthalene	14.52	128	2724	2.98	ug/l #	90

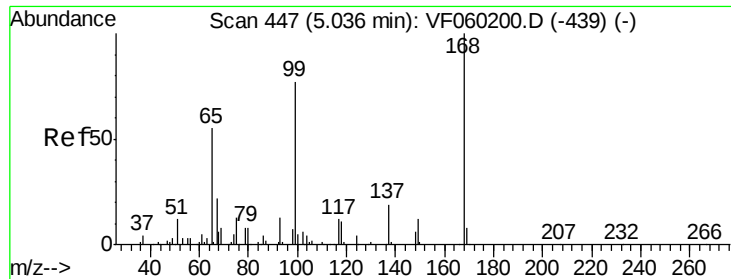
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060231.D
Acq On : 10 Sep 2018 13:35
Operator : VA/AP
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Misc : 5.16g/5mL/MSVOA F/SOIL
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MSVOA_F
ClientSampleId :
EP1-Q2-E6

Quant Time: Sep 11 07:29:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

Instrument :

MSVOA_F

ClientSampleId :

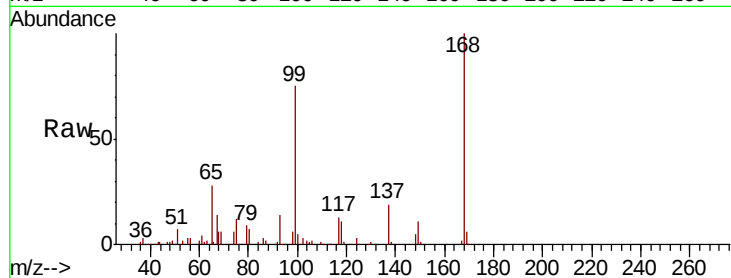
EP1-Q2-E6

Tot Ion:168 Resp: 193694

Ion Ratio Lower Upper

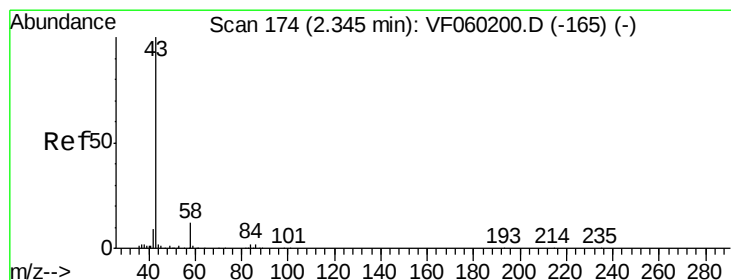
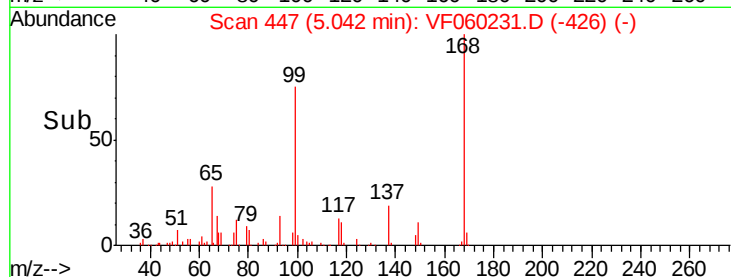
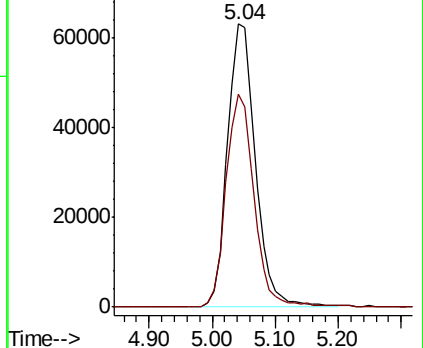
168 100

99 75.3 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 48.53 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060231.D

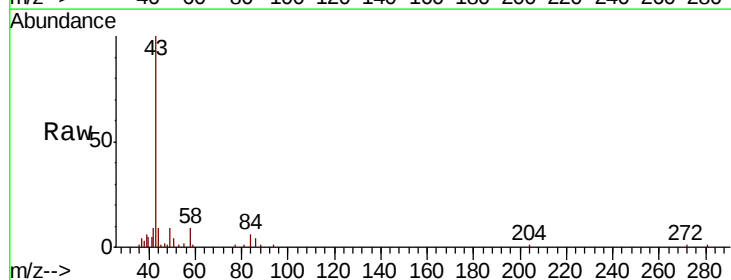
Acq: 10 Sep 2018 13:35

Tgt Ion: 43 Resp: 37474

Ion Ratio Lower Upper

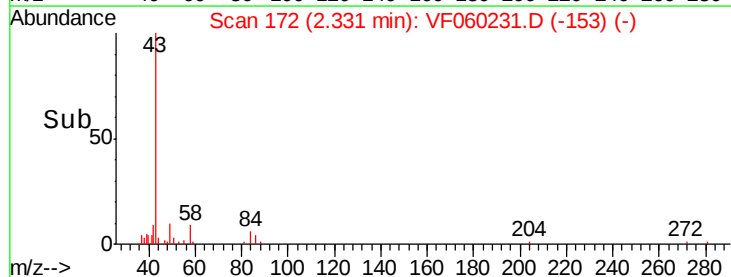
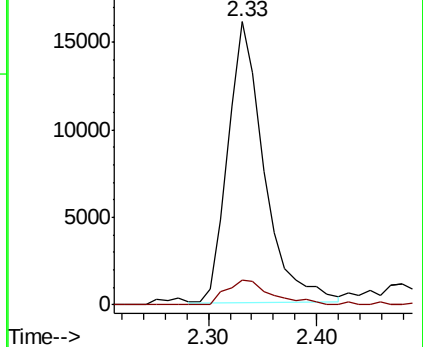
43 100

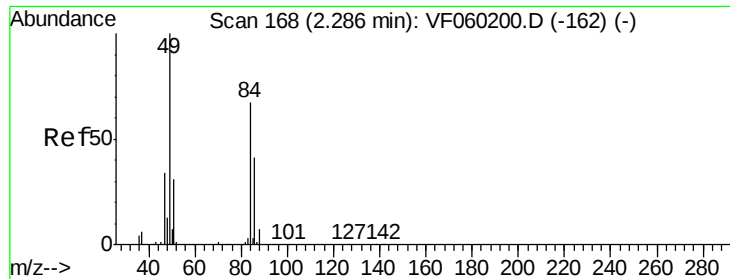
58 8.9 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

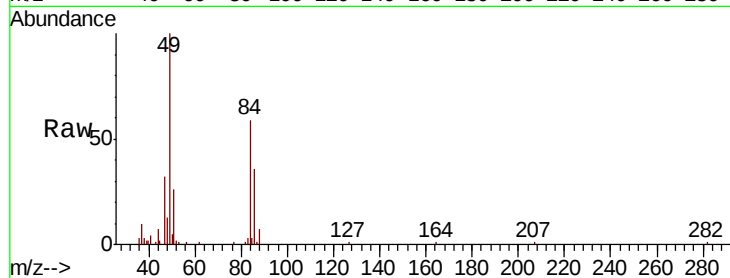




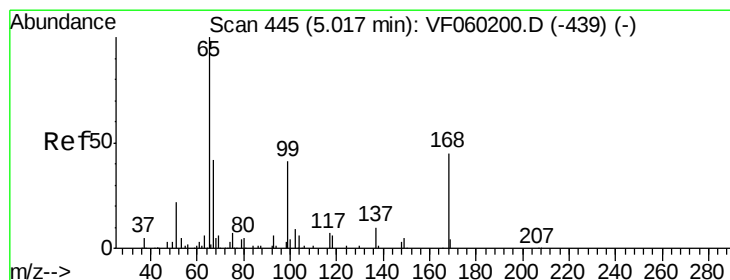
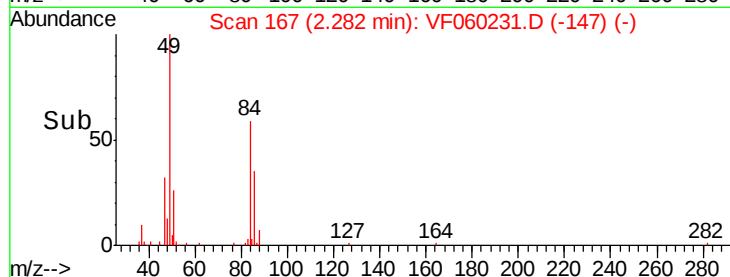
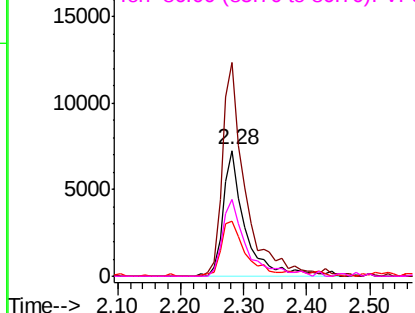
#20
Methvlene Chloride
Concen: 2.17 ug/l
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060231.D
Acq: 10 Sep 2018 13:35

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q2-E6

Tot Ion:	84	Resp:	17663
Ion	Ratio	Lower	Upper
84	100		
49	170.3	120.1	180.1
51	44.0	37.0	55.6
86	61.1	49.0	73.6

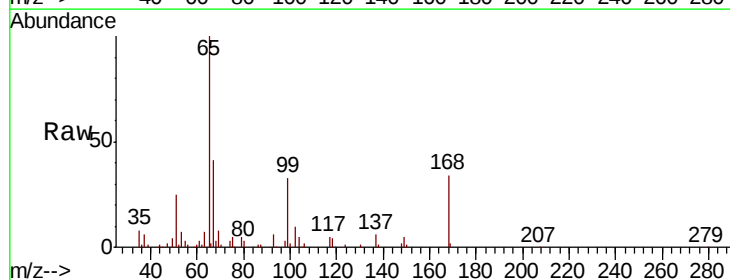


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

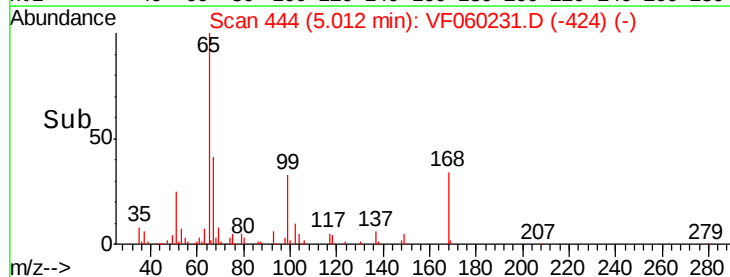
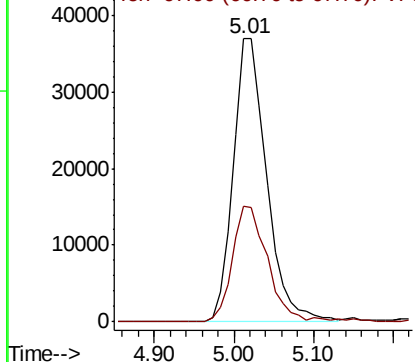


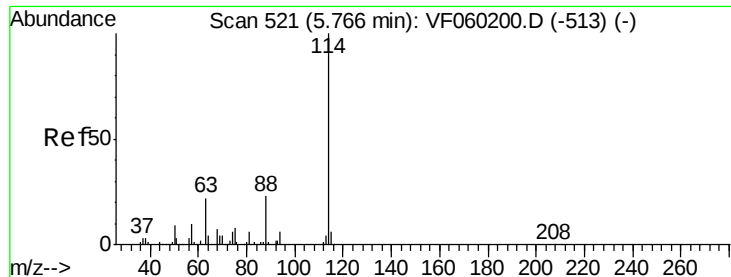
#33
1,2-Dichloroethane-d4
Concen: 31.85 ug/l
RT: 5.01 min Scan# 444
Delta R.T. -0.00 min
Lab File: VF060231.D
Acq: 10 Sep 2018 13:35

Tgt Ion:	65	Resp:	107786
Ion	Ratio	Lower	Upper
65	100		
67	40.9	0.0	87.2



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: 5.77 min Scan# 521

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-E6

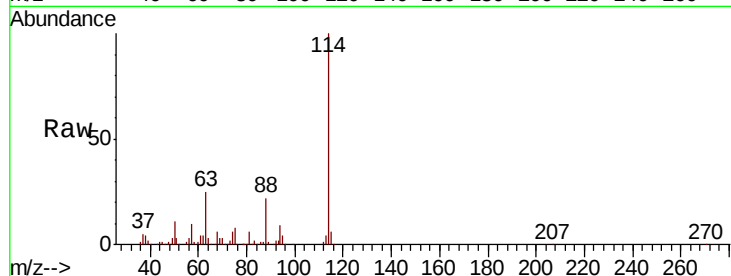
Tot Ion:114 Resp: 260449

Ion Ratio Lower Upper

114 100

63 25.2 0.0 45.6

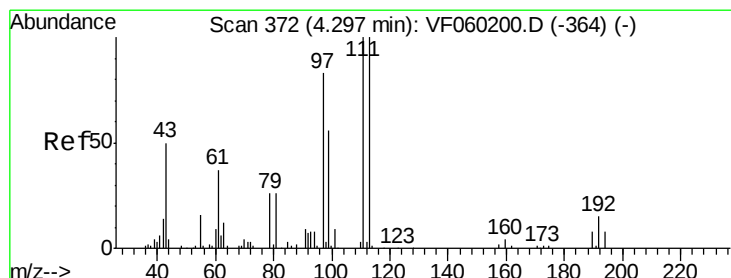
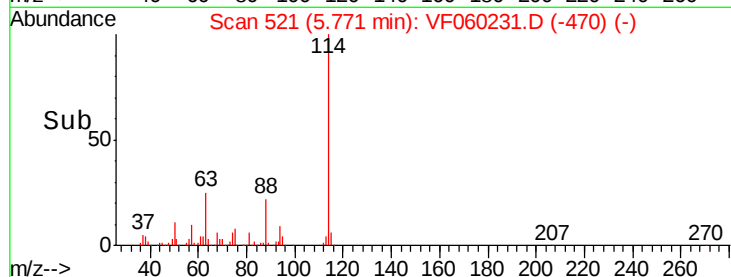
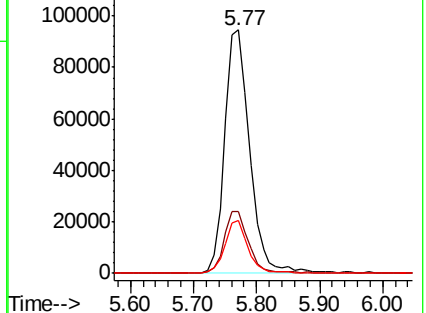
88 22.0 0.0 46.4



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: 37.99 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

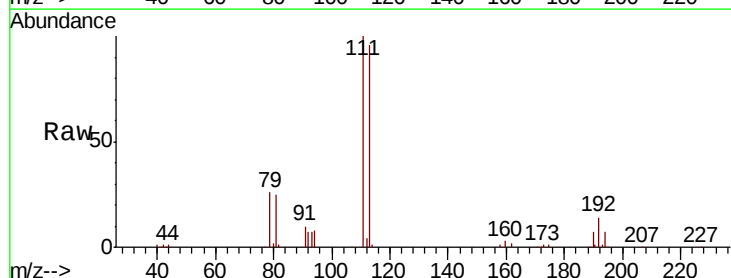
Tgt Ion:113 Resp: 96944

Ion Ratio Lower Upper

113 100

111 104.6 80.2 120.2

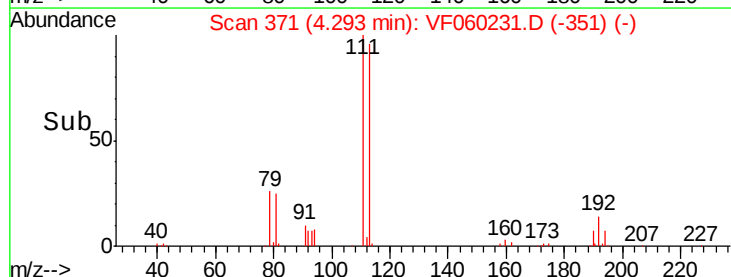
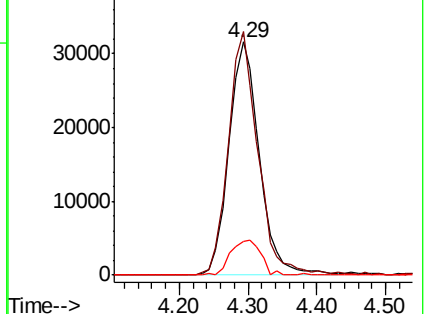
192 14.7 11.8 17.8

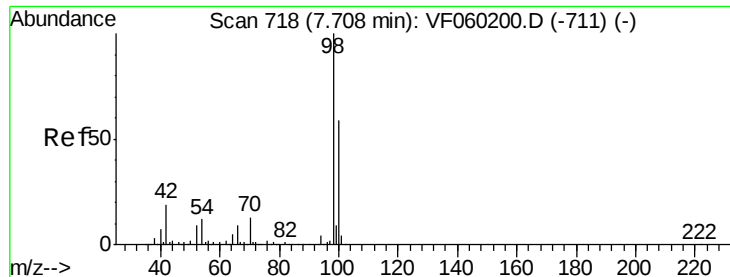


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.95 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

Instrument :

MSVOA_F

ClientSampleId :

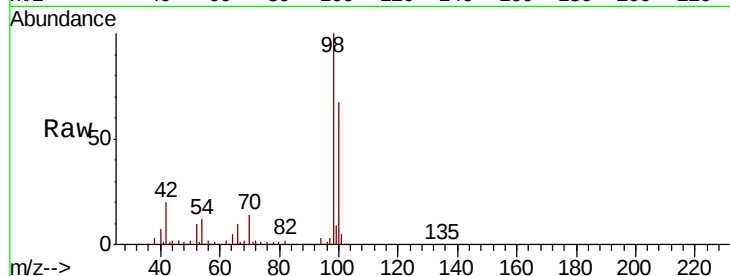
EP1-Q2-E6

Tot Ion: 98 Resp: 241675

Ion Ratio Lower Upper

98 100

100 66.6 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

120000

100000

80000

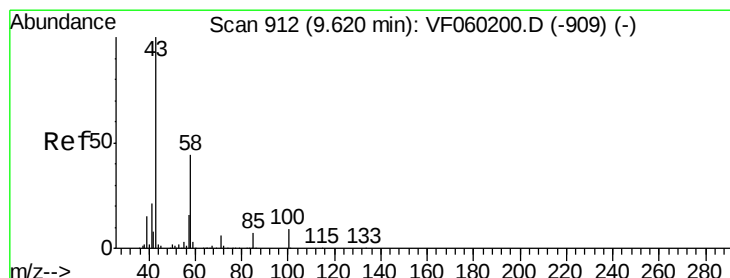
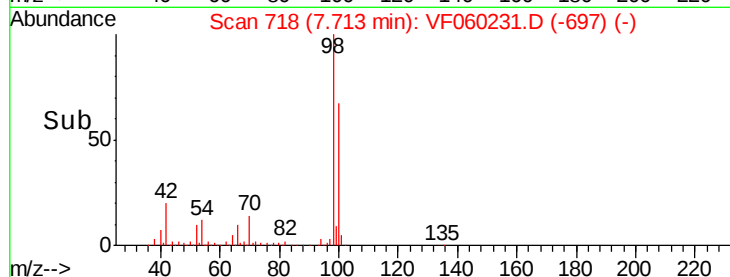
60000

40000

20000

0

Time-->



#59

2-Hexanone

Concen: 3.39 ug/l

RT: 9.64 min Scan# 913

Delta R.T. 0.02 min

Lab File: VF060231.D

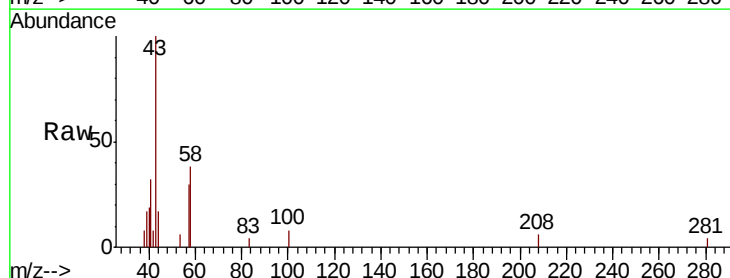
Acq: 10 Sep 2018 13:35

Tgt Ion: 43 Resp: 5384

Ion Ratio Lower Upper

43 100

58 38.5 20.8 62.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.64

2500

2000

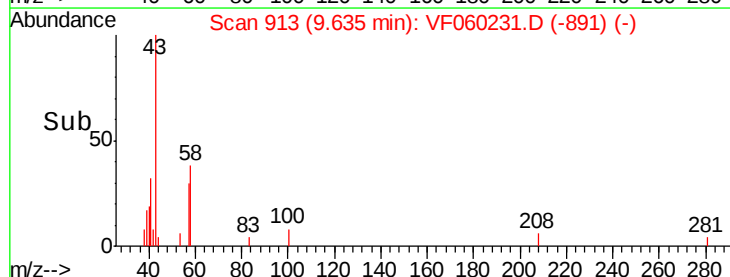
1500

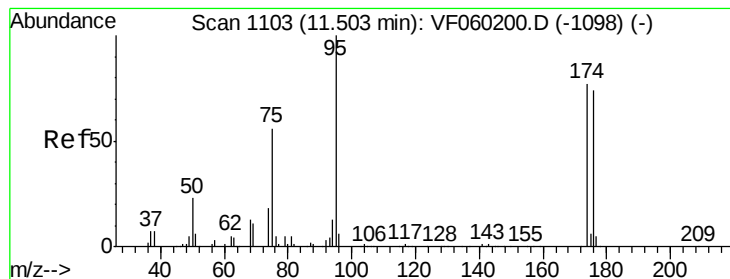
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 37.14 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

Instrument :

MSVOA_F

ClientSampled :

EP1-Q2-E6

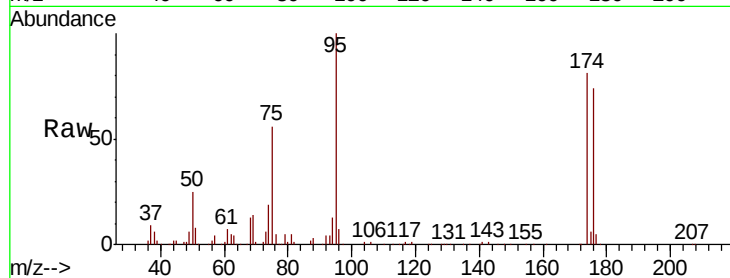
Tot Ion: 95 Resp: 133425

Ion Ratio Lower Upper

95 100

174 80.9 0.0 153.2

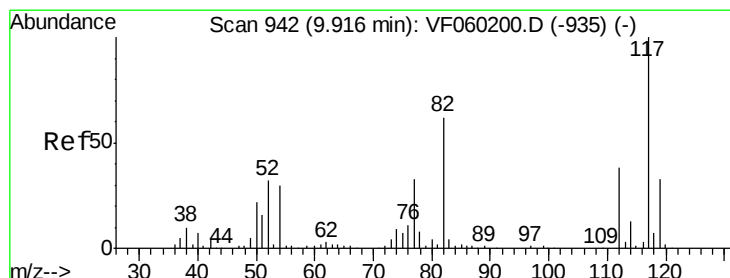
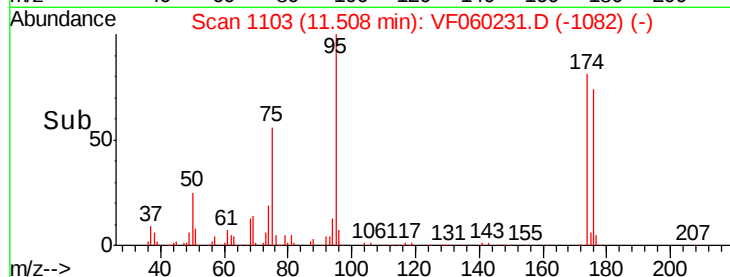
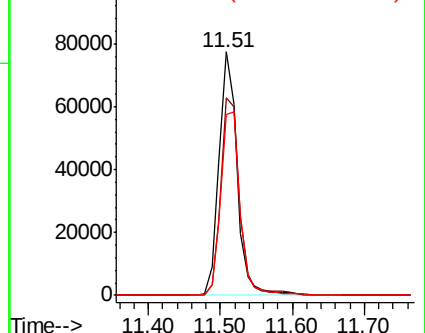
176 74.5 0.0 147.2



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: 9.92 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

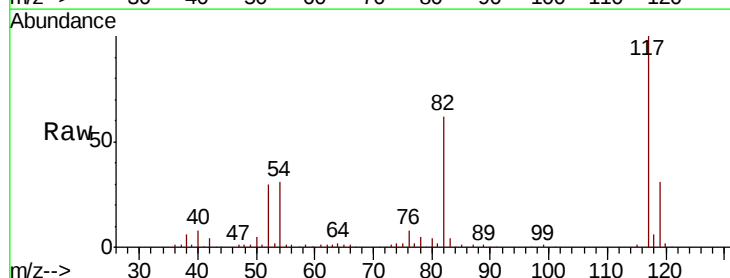
Tgt Ion: 117 Resp: 286702

Ion Ratio Lower Upper

117 100

82 61.8 49.3 73.9

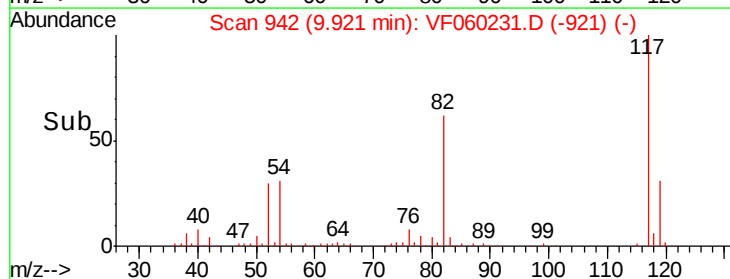
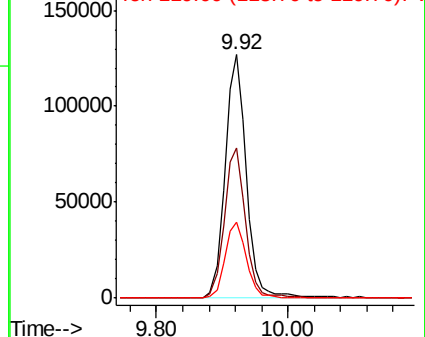
119 31.1 26.5 39.7

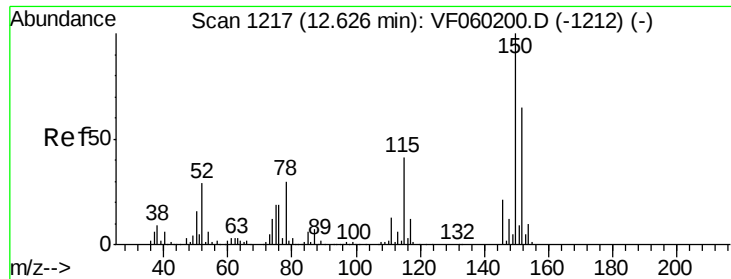


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q2-E6

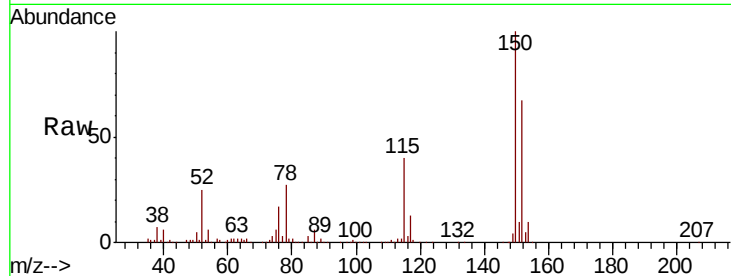
Tot Ion:152 Resp: 183526

Ion Ratio Lower Upper

152 100

115 60.0 31.5 94.5

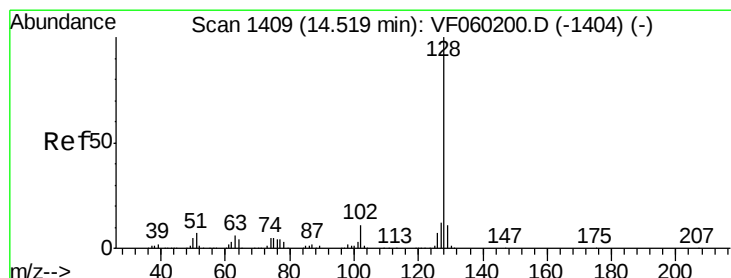
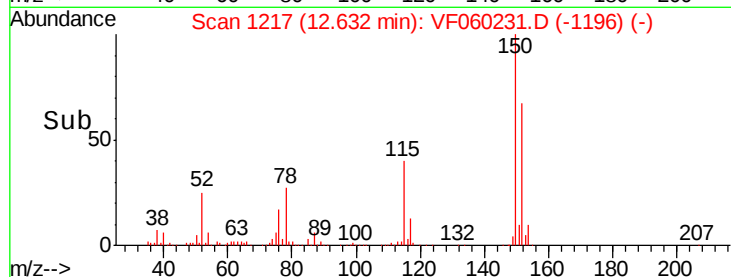
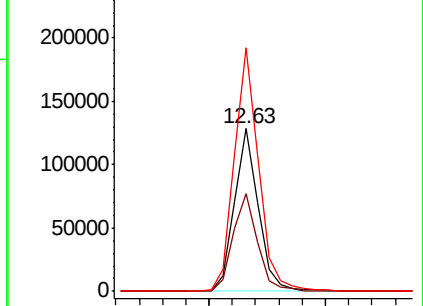
150 149.8 0.0 310.4



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



#95

Naphthalene

Concen: 2.98 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.01 min

Lab File: VF060231.D

Acq: 10 Sep 2018 13:35

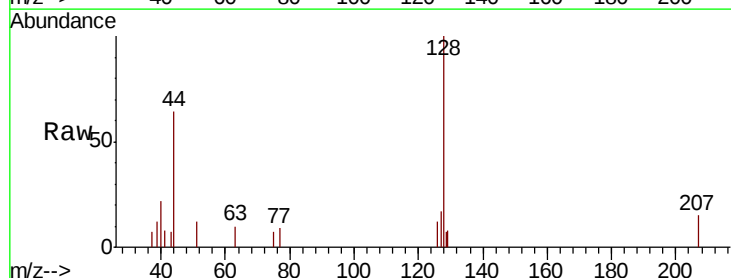
Tgt Ion:128 Resp: 2724

Ion Ratio Lower Upper

128 100

127 16.9 9.9 14.9#

129 14.2 8.9 13.3#



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

