

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060404.D
 Acq On : 2 Oct 2018 16:09
 Operator : VA/AP
 Sample : J4777-39RE
 Misc : 6.95/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-092718-DRE

Quant Time: Oct 02 16:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

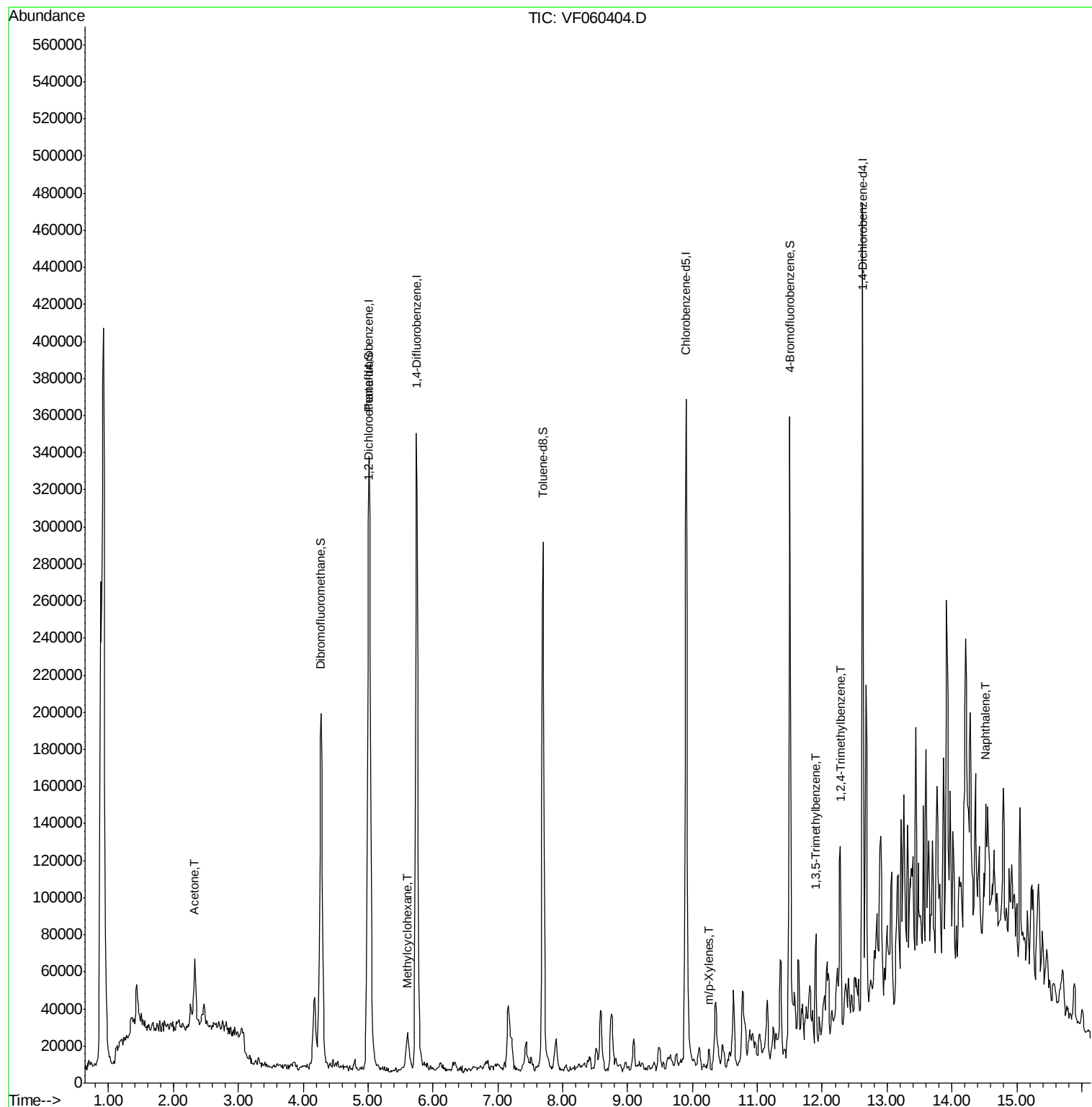
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	222411	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.74	114	368913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	226832	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	113275	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	159125	45.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.44%	
35) Dibromofluoromethane	4.28	113	173367	50.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	7.70	98	223339	26.17	ug/l	0.01
Spiked Amount 50.000			Recovery	=	52.34%	
62) 4-Bromofluorobenzene	11.50	95	122988	31.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	63.12%	
Target Compounds						
16) Acetone	2.33	43	52954	55.423	ug/l	97
39) Methylcyclohexane	5.61	83	11998	2.691	ug/l	93
68) m/p-Xylenes	10.26	106	3978	1.306	ug/l #	61
80) 1,3,5-Trimethylbenzene	11.91	105	26349	3.477	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	32773	4.361	ug/l	89
95) Naphthalene	14.52	128	22022	4.584	ug/l #	83

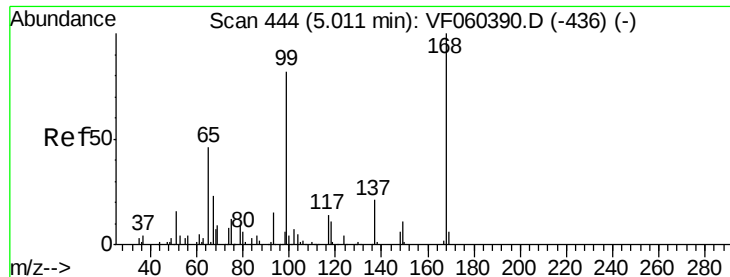
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060404.D

Acq: 2 Oct 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

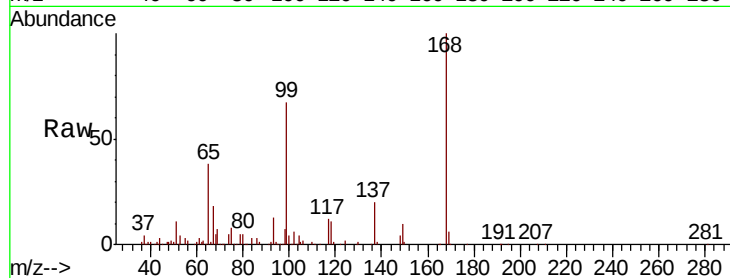
PL-01-092718-DRE

Tot Ion:168 Resp: 222411

Ion Ratio Lower Upper

168 100

99 66.5 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

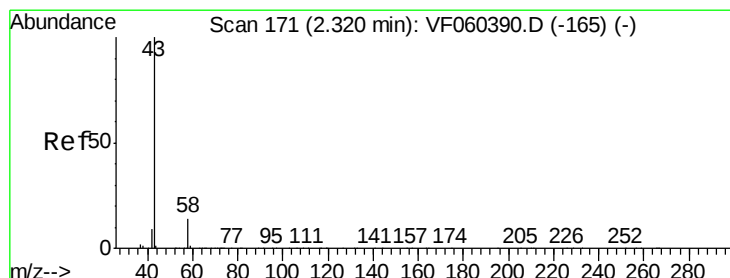
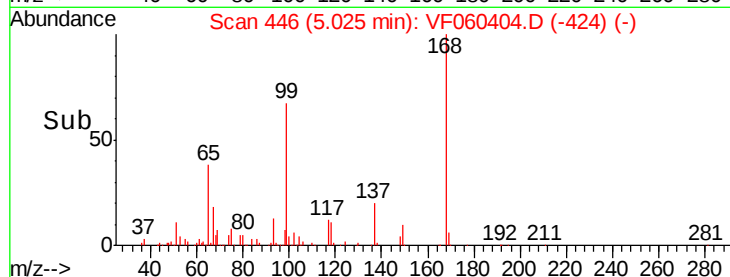
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 55.423 ug/l

RT: 2.33 min Scan# 173

Delta R.T. 0.01 min

Lab File: VF060404.D

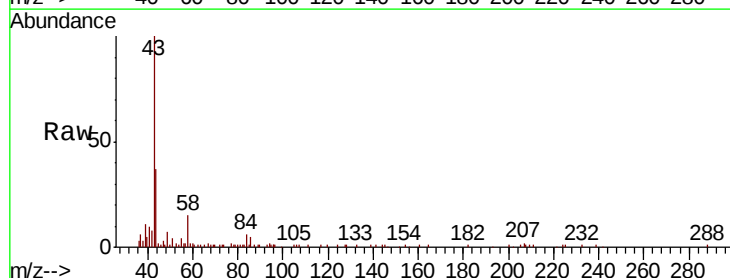
Acq: 2 Oct 2018 16:09

Tgt Ion: 43 Resp: 52954

Ion Ratio Lower Upper

43 100

58 15.1 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

25000

20000

15000

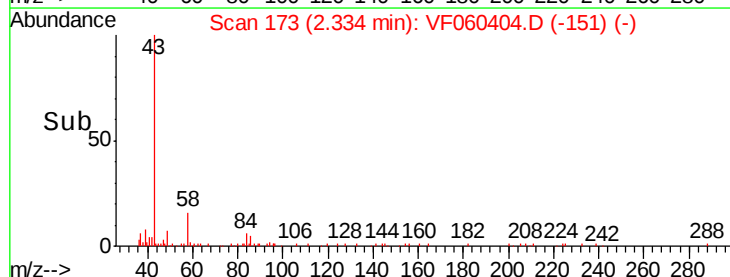
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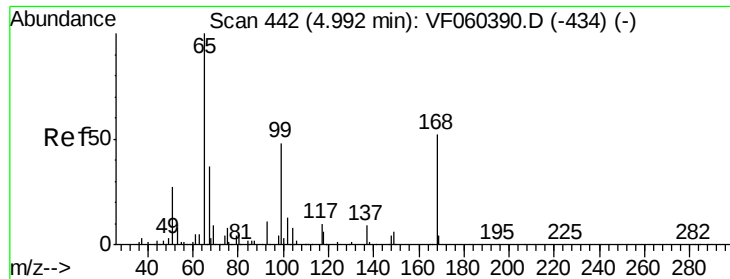
5000

0

2.20 2.30 2.40

Time-->

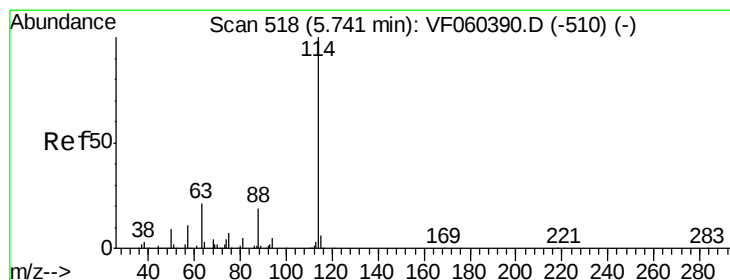
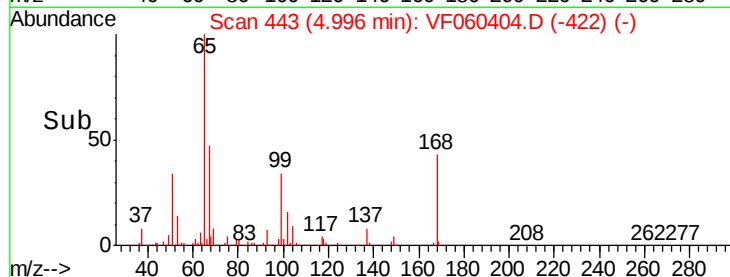
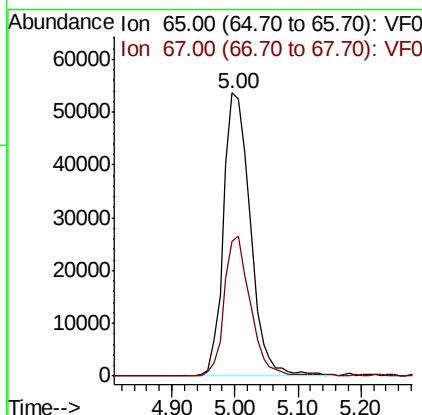
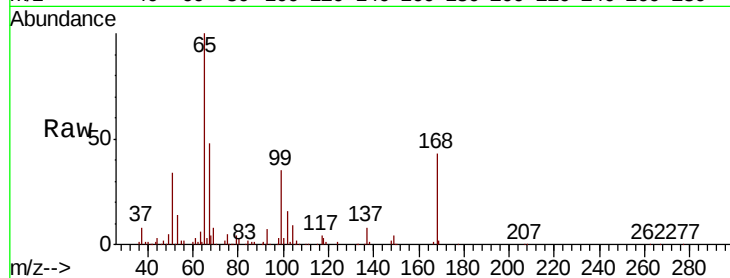




#33
 1,2-Dichloroethane-d4
 Concen: 45.723 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060404.D
 Acq: 2 Oct 2018 16:09

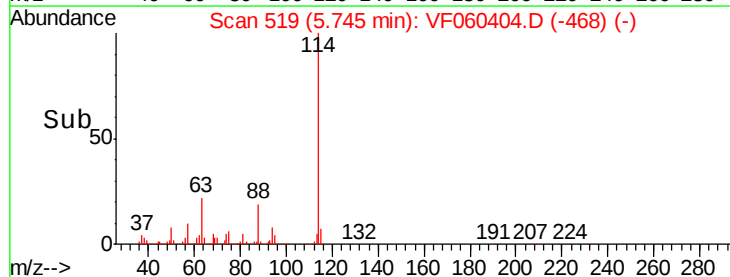
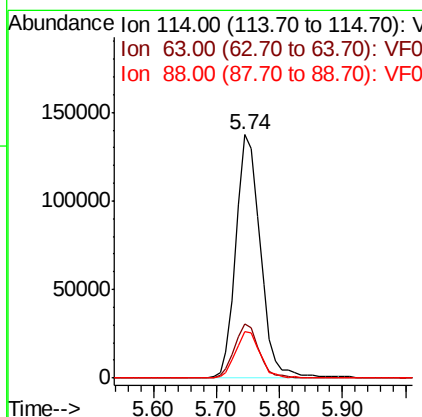
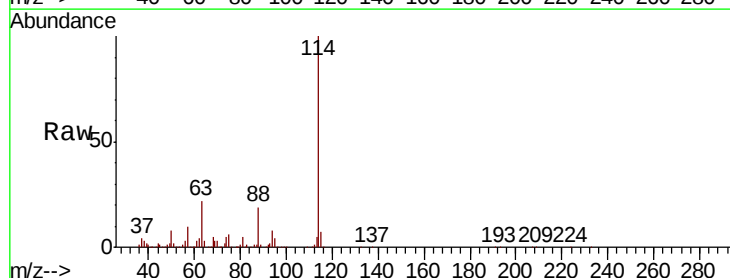
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-092718-DRE

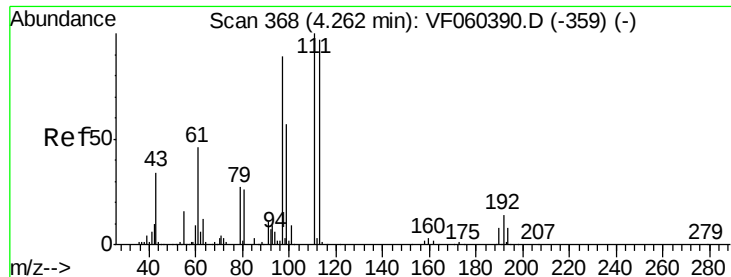
Tot Ion: 65 Resp: 159125
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.74 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060404.D
 Acq: 2 Oct 2018 16:09

Tgt Ion: 114 Resp: 368913
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.2
 88 19.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.024 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060404.D

Acq: 2 Oct 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-DRE

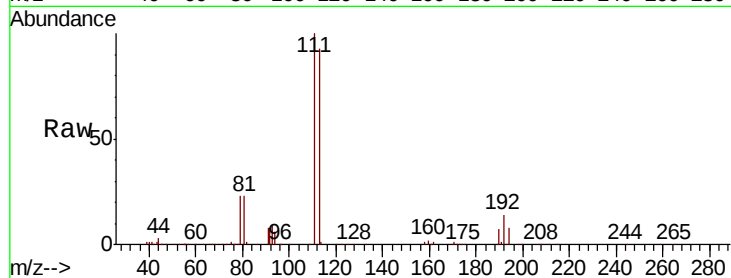
Tot Ion:113 Resp: 173367

Ion Ratio Lower Upper

113 100

111 105.5 82.3 123.5

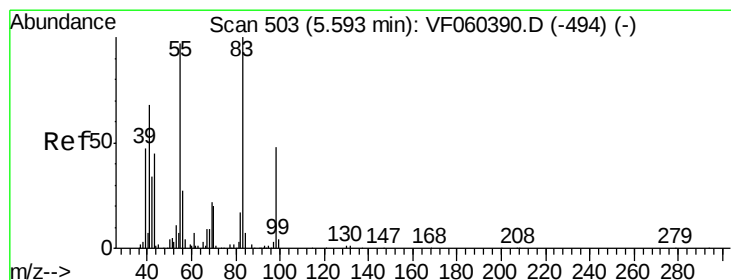
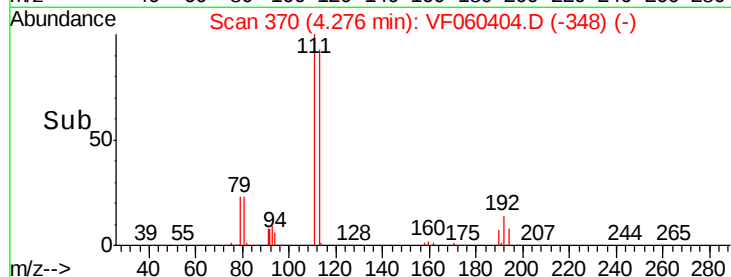
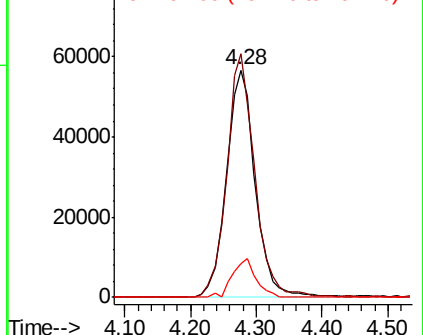
192 14.5 11.8 17.6



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



#39

Methylcyclohexane

Concen: 2.691 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060404.D

Acq: 2 Oct 2018 16:09

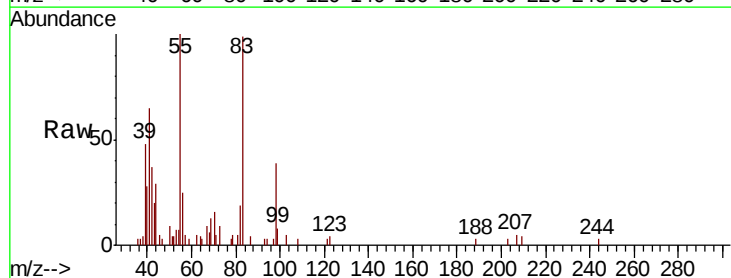
Tgt Ion: 83 Resp: 11998

Ion Ratio Lower Upper

83 100

55 100.8 77.5 116.3

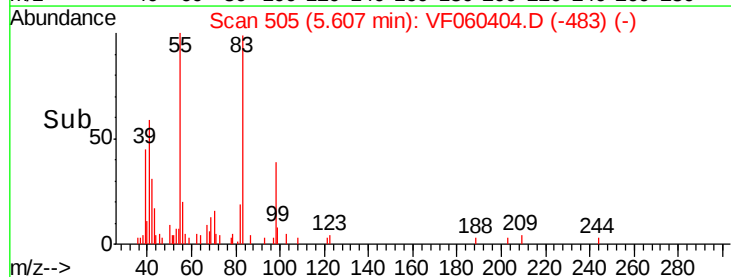
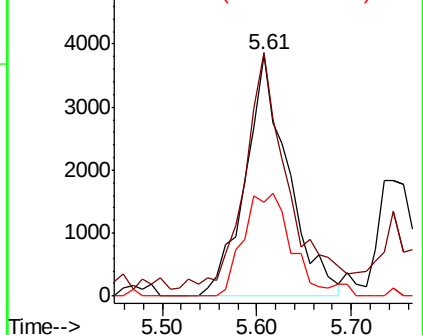
98 39.0 38.7 58.1

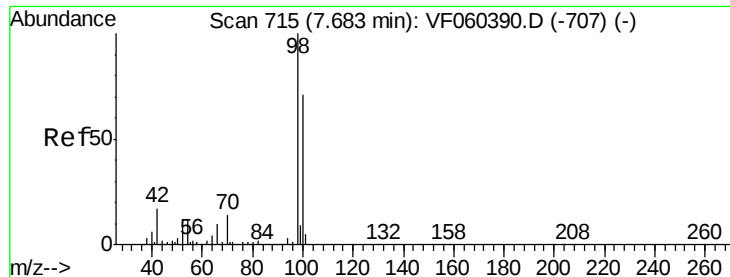


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#50

Toluene-d8

Concen: 26.166 ug/l

RT: 7.70 min Scan# 717

Delta R.T. 0.01 min

Lab File: VF060404.D

Acq: 2 Oct 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

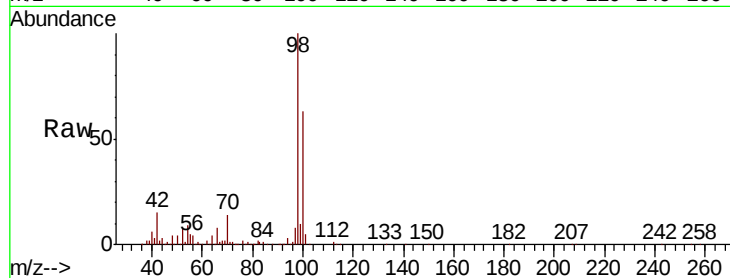
PL-01-092718-DRE

Tot Ion: 98 Resp: 223339

Ion Ratio Lower Upper

98 100

100 62.7 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

100000

80000

60000

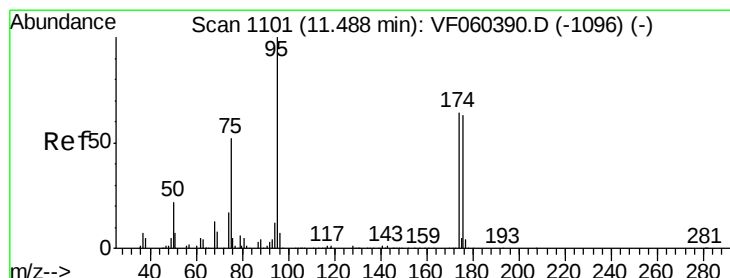
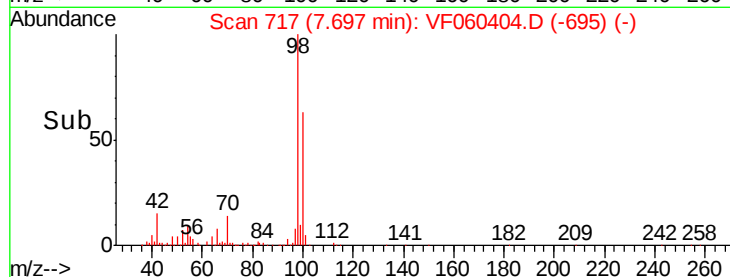
40000

20000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#62

4-Bromofluorobenzene

Concen: 31.558 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060404.D

Acq: 2 Oct 2018 16:09

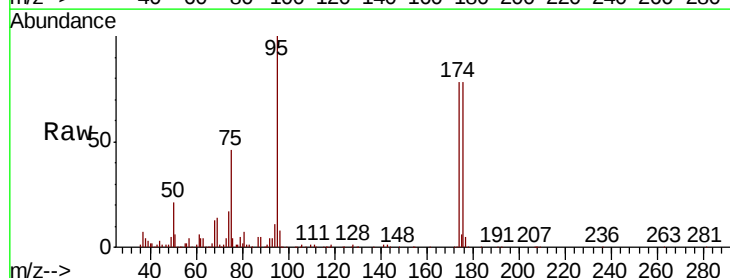
Tgt Ion: 95 Resp: 122988

Ion Ratio Lower Upper

95 100

174 78.3 0.0 129.0

176 78.0 0.0 125.6



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

80000

60000

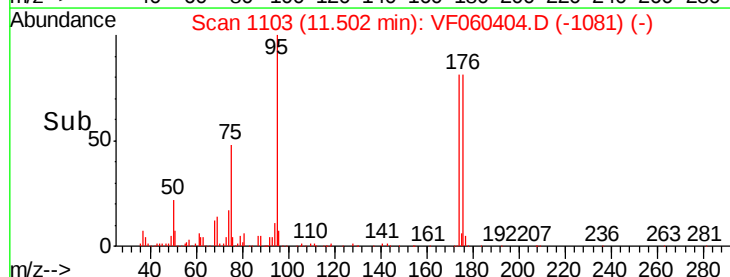
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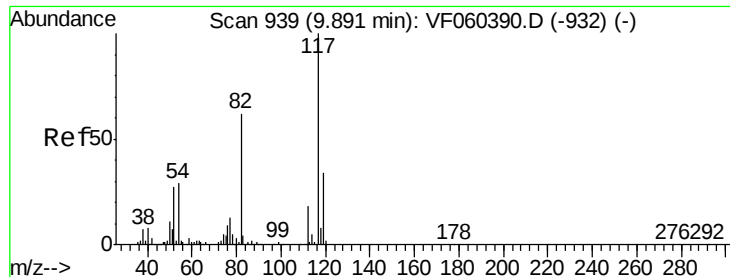
20000

0

Time-->

11.40 11.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060404.D

Acq: 2 Oct 2018 16:09

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-DRE

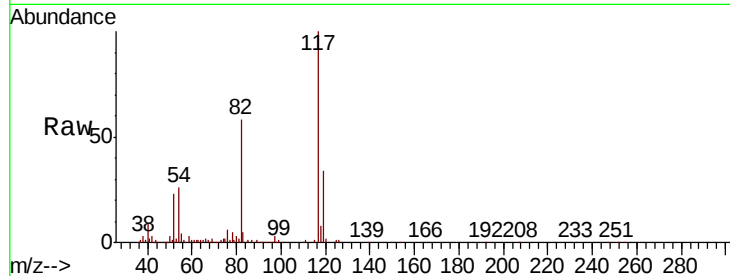
Tot Ion:117 Resp: 226832

Ion Ratio Lower Upper

117 100

82 57.8 49.5 74.3

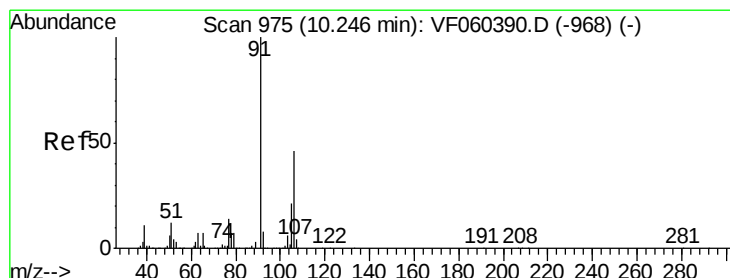
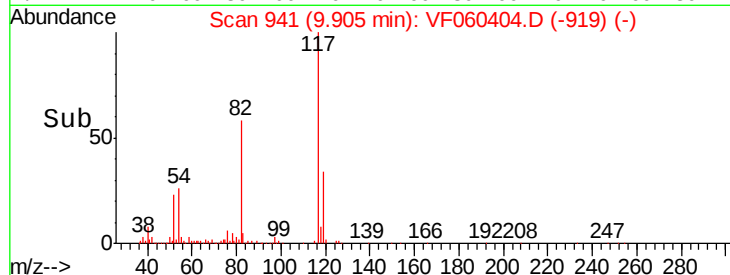
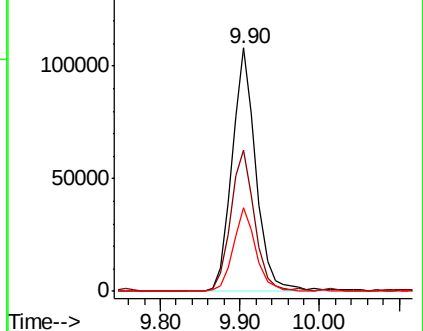
119 34.3 27.0 40.6



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



#68

m/p-Xylenes

Concen: 1.306 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.01 min

Lab File: VF060404.D

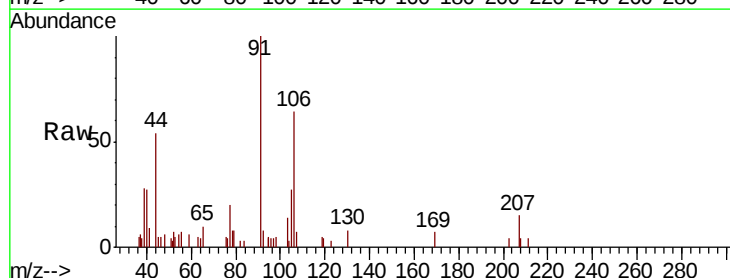
Acq: 2 Oct 2018 16:09

Tgt Ion:106 Resp: 3978

Ion Ratio Lower Upper

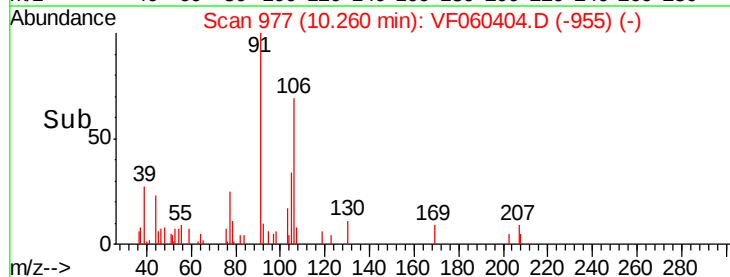
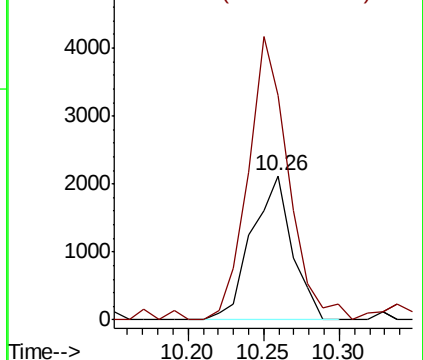
106 100

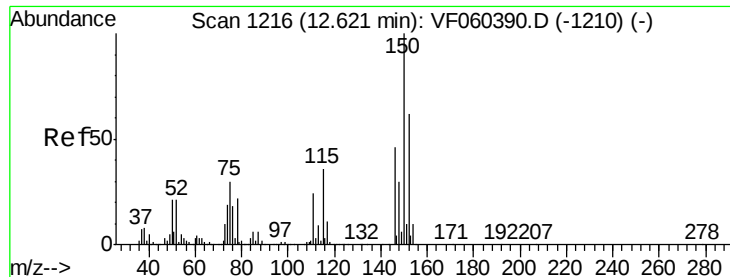
91 155.6 175.0 262.6#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



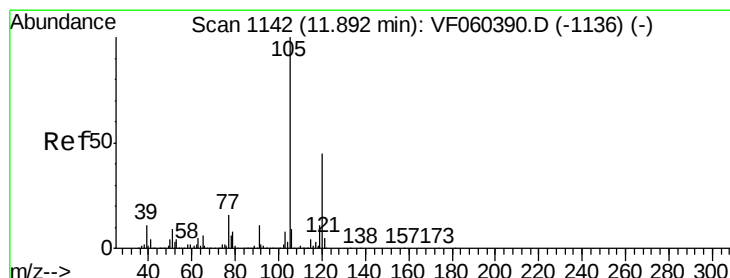
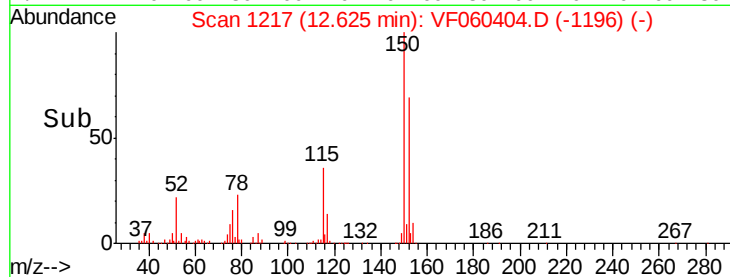
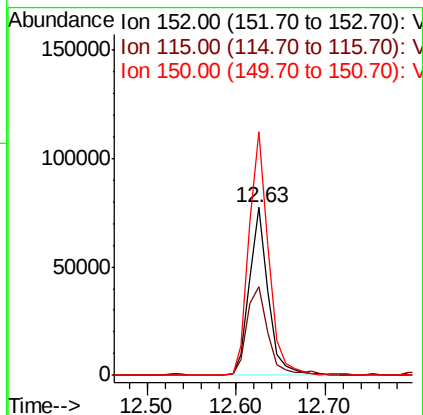
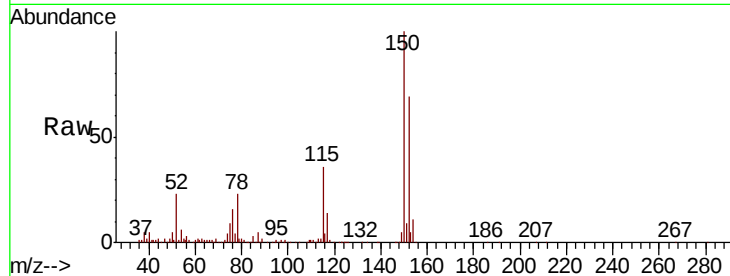


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060404.D
Acq: 2 Oct 2018 16:09

Instrument :
MSVOA_F
ClientSampleId :
PL-01-092718-DRE

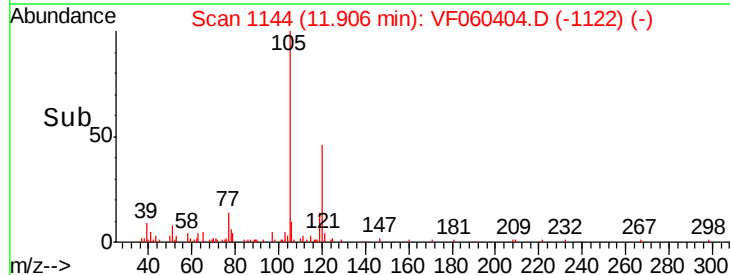
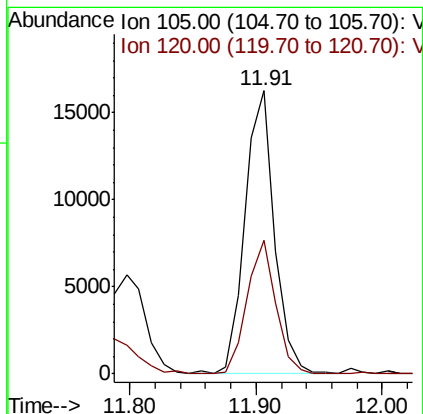
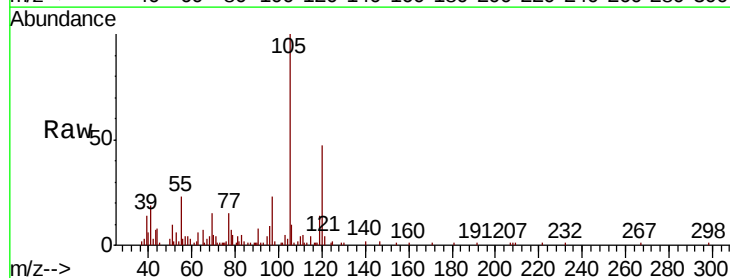
Tot Ion	Ratio	Lower	Upper
152	100		
115	52.9	28.6	85.8
150	145.2	0.0	324.6

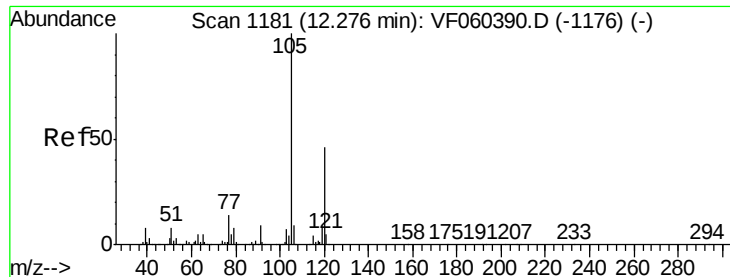


#80

1,3,5-Trimethylbenzene
Concen: 3.477 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF060404.D
Acq: 2 Oct 2018 16:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	22.3	66.9

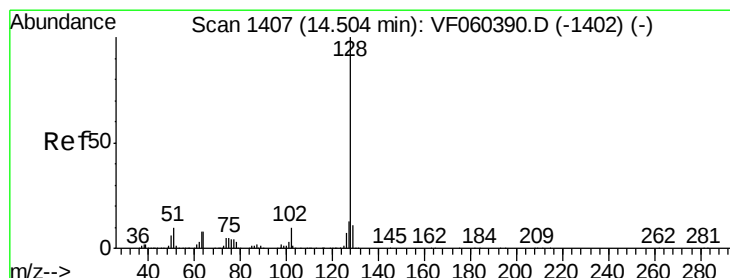
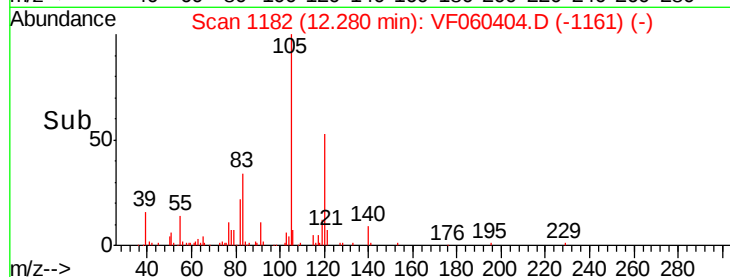
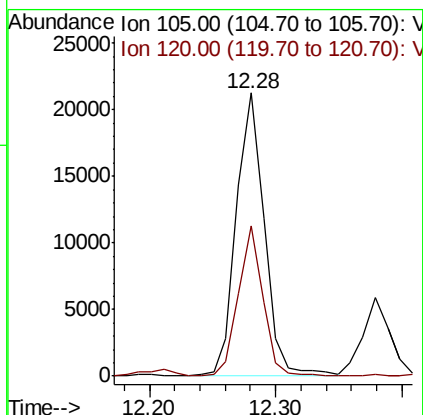
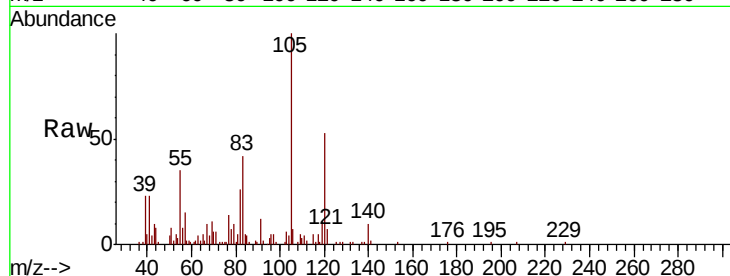




#84
 1,2,4-Trimethylbenzene
 Concen: 4.361 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060404.D
 Acq: 2 Oct 2018 16:09

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-092718-DRE

Tot Ion:105 Resp: 32773
 Ion Ratio Lower Upper
 105 100
 120 53.1 23.1 69.2



#95
 Naphthalene
 Concen: 4.584 ug/l
 RT: 14.52 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: VF060404.D
 Acq: 2 Oct 2018 16:09

Tgt Ion:128 Resp: 22022
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.0 15.0
 129 23.2 8.7 13.1#

