

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060401.D
 Acq On : 2 Oct 2018 14:45
 Operator : VA/AP
 Sample : J4777-33RE
 Misc : 6.01/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

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

Quant Time: Oct 02 15:42:18 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

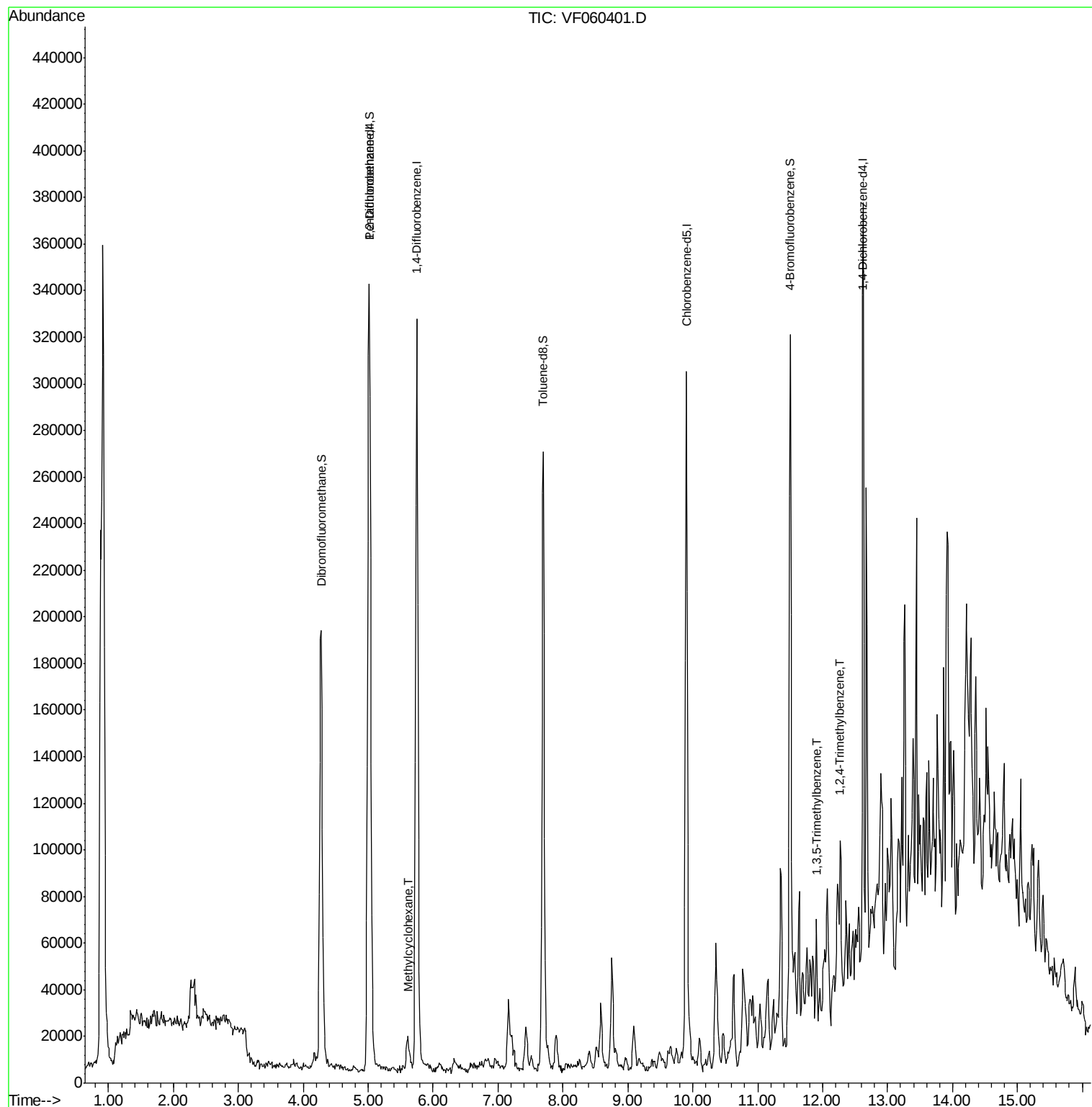
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	200788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	334774	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	197988	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	88301	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	171876	54.71	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.42%	
35) Dibromofluoromethane	4.28	113	172661	54.90	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.80%	
50) Toluene-d8	7.70	98	197972	25.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	51.12%	
62) 4-Bromofluorobenzene	11.50	95	111134	31.42	ug/l	0.01
Spiked Amount 50.000			Recovery	=	62.84%	
Target Compounds						
39) Methylcyclohexane	5.61	83	8026	1.984	ug/l #	92
80) 1,3,5-Trimethylbenzene	11.91	105	14831	2.511	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	21173	3.614	ug/l	100

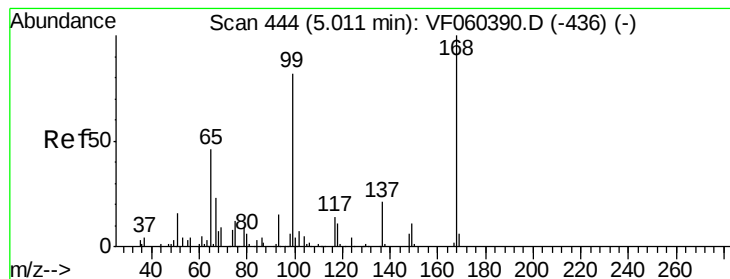
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060401.D

Acq: 2 Oct 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

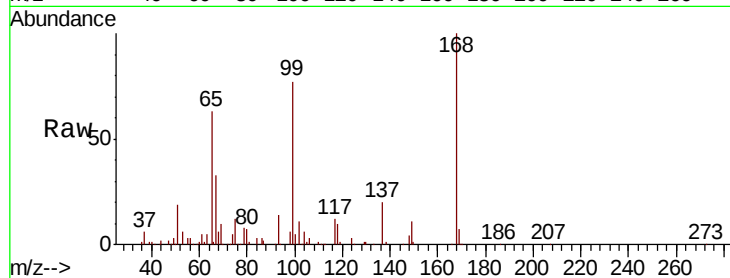
PL-01-092718-ARE

Tot Ion:168 Resp: 200788

Ion Ratio Lower Upper

168 100

99 76.8 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

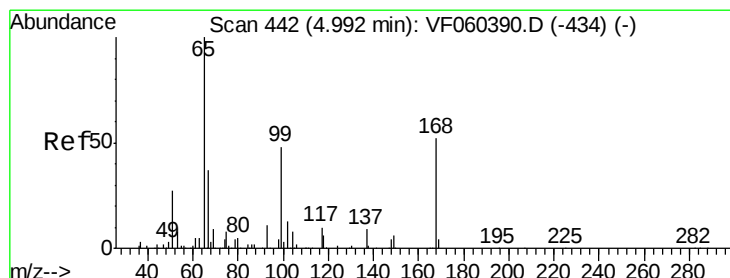
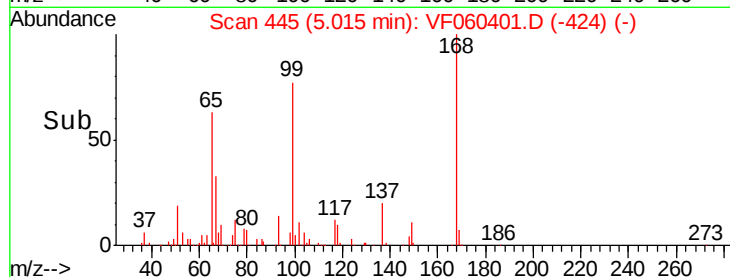
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.705 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF060401.D

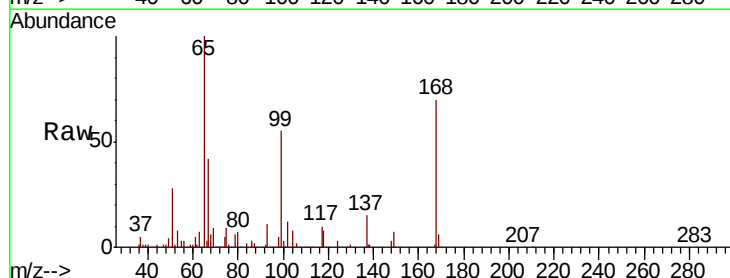
Acq: 2 Oct 2018 14:45

Tgt Ion: 65 Resp: 171876

Ion Ratio Lower Upper

65 100

67 41.8 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

60000

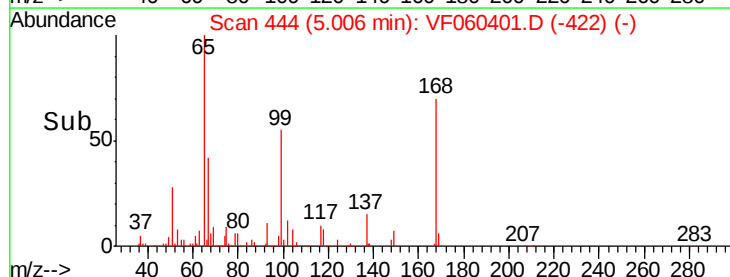
40000

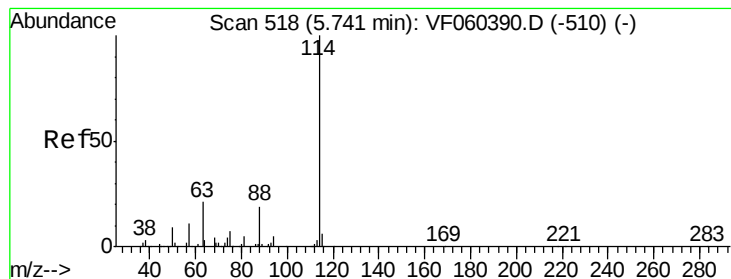
20000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060401.D

Acq: 2 Oct 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-ARE

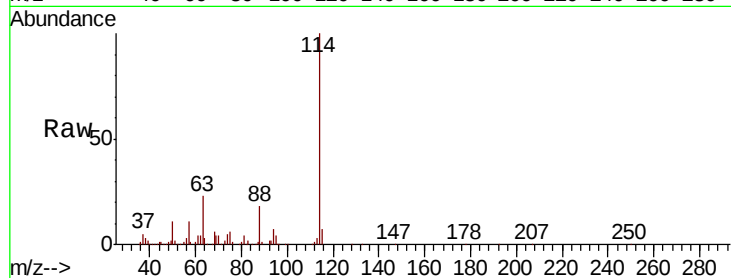
Tot Ion:114 Resp: 334774

Ion Ratio Lower Upper

114 100

63 23.1 0.0 42.2

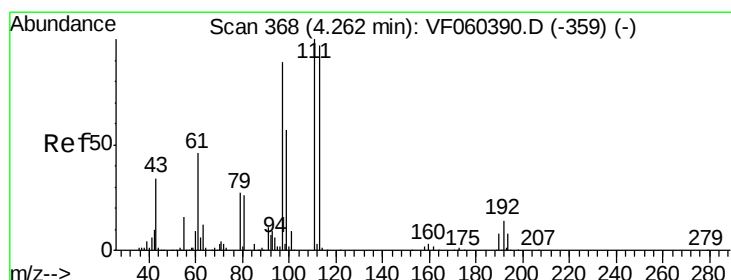
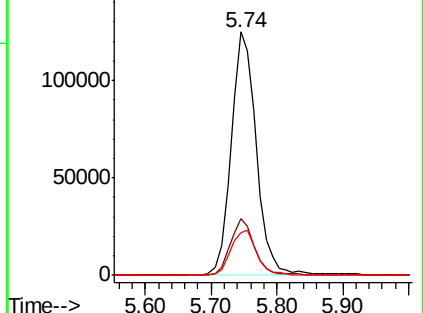
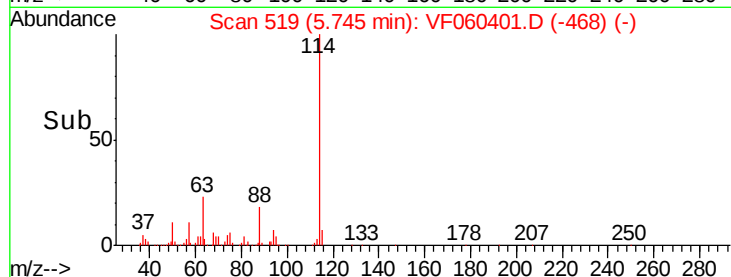
88 17.8 0.0 38.8



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: 54.900 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060401.D

Acq: 2 Oct 2018 14:45

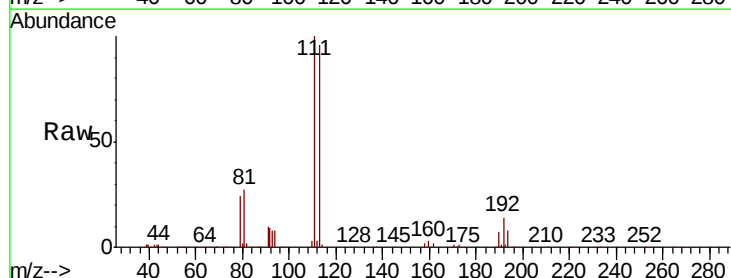
Tgt Ion:113 Resp: 172661

Ion Ratio Lower Upper

113 100

111 104.4 82.3 123.5

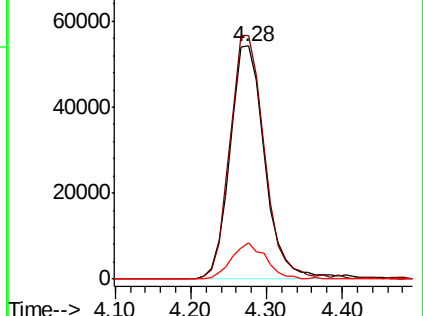
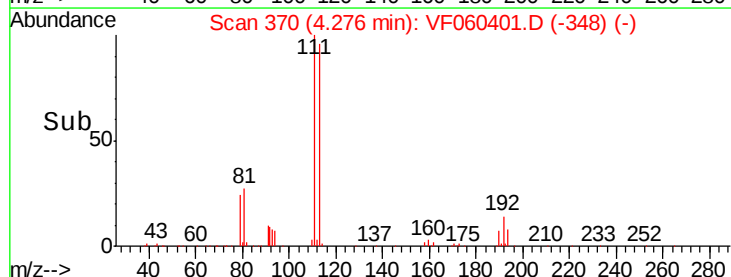
192 15.7 11.8 17.6

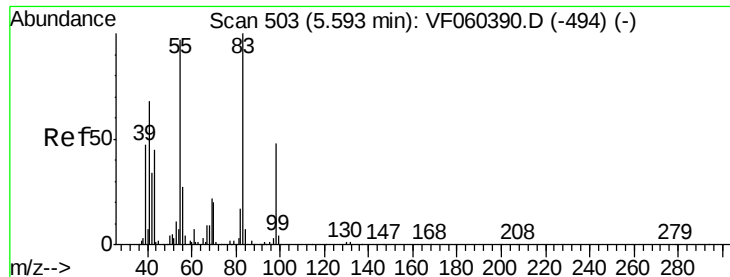


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

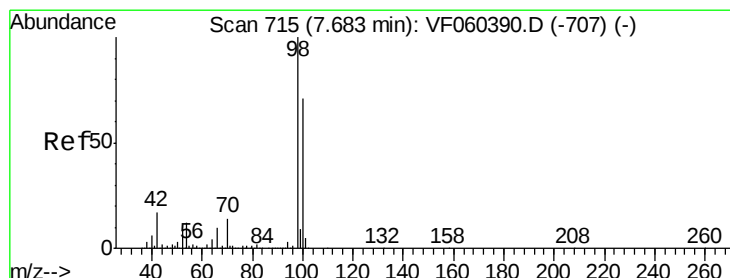
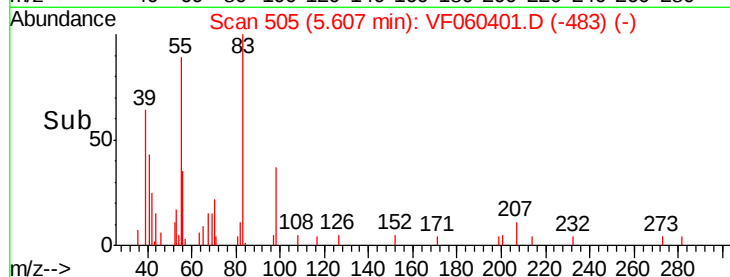
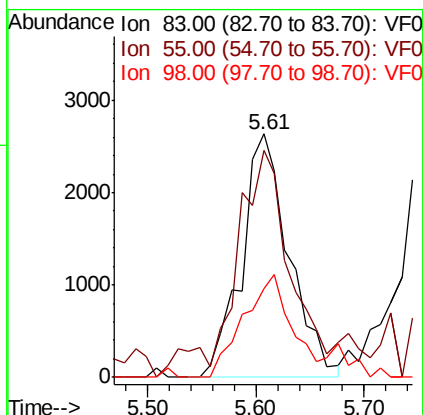
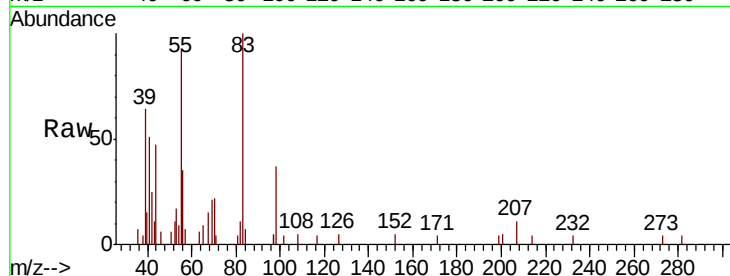




#39
Methvlcvclohexane
Concen: 1.984 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060401.D
Acq: 2 Oct 2018 14:45

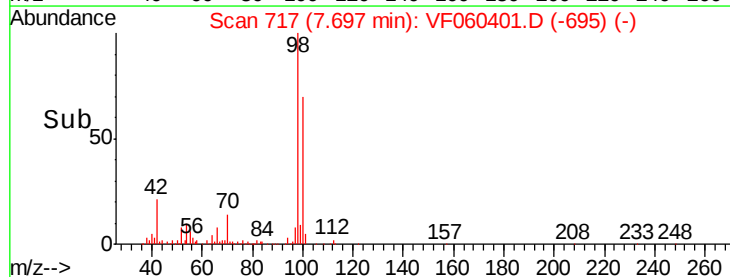
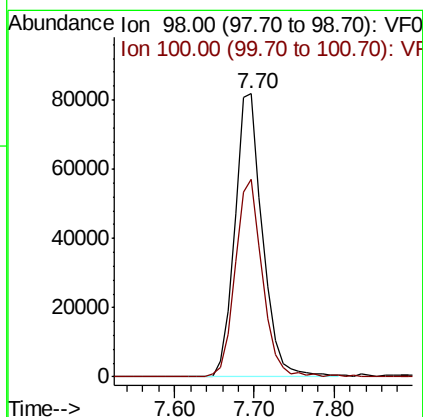
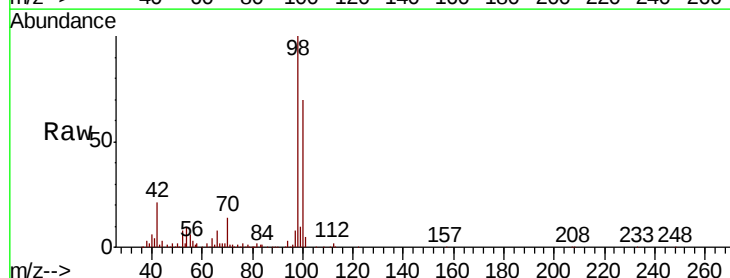
Instrument :
MSVOA_F
ClientSampleId :
PL-01-092718-ARE

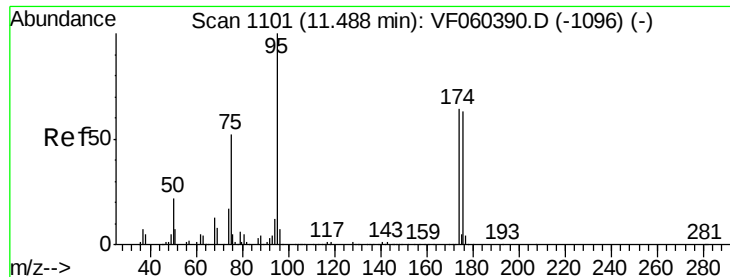
Tot Ion: 83 Resp: 8026
Ion Ratio Lower Upper
83 100
55 93.1 77.5 116.3
98 36.5 38.7 58.1#



#50
Toluene-d8
Concen: 25.560 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.01 min
Lab File: VF060401.D
Acq: 2 Oct 2018 14:45

Tgt Ion: 98 Resp: 197972
Ion Ratio Lower Upper
98 100
100 69.8 56.5 84.7





#62

4-Bromofluorobenzene

Concen: 31.424 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF060401.D

Acq: 2 Oct 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-ARE

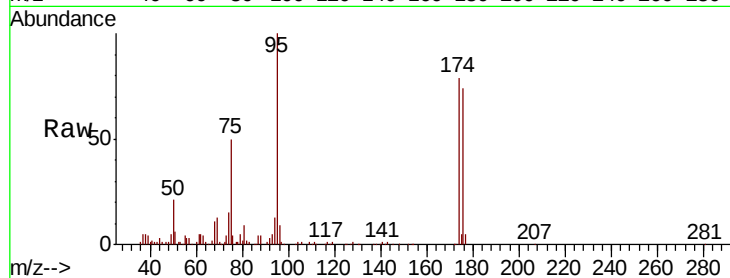
Tot Ion: 95 Resp: 111134

Ion Ratio Lower Upper

95 100

174 78.7 0.0 129.0

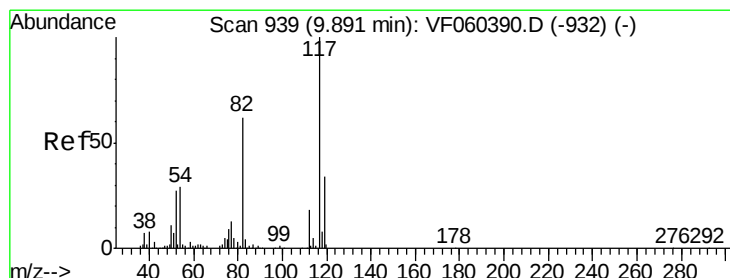
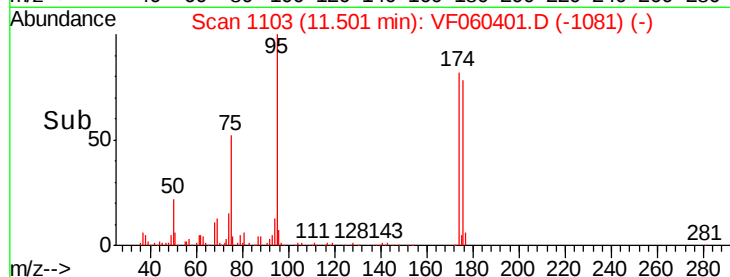
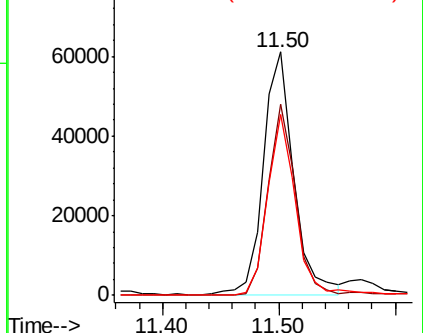
176 74.3 0.0 125.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060401.D

Acq: 2 Oct 2018 14:45

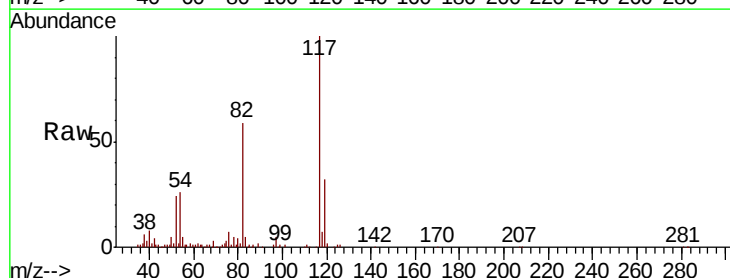
Tgt Ion: 117 Resp: 197988

Ion Ratio Lower Upper

117 100

82 59.1 49.5 74.3

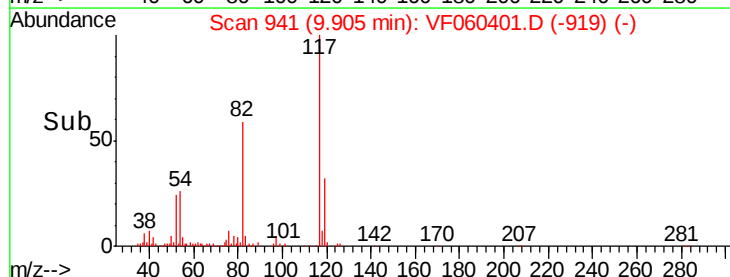
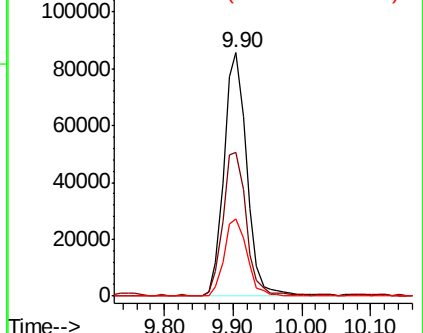
119 31.8 27.0 40.6

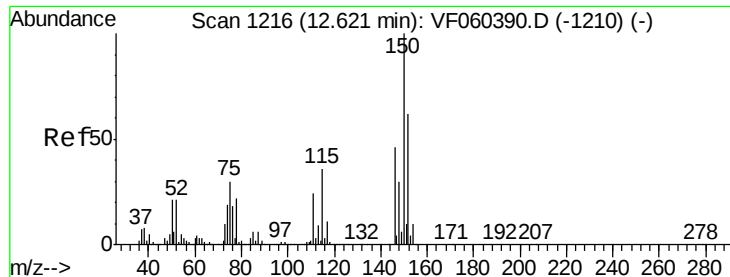


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



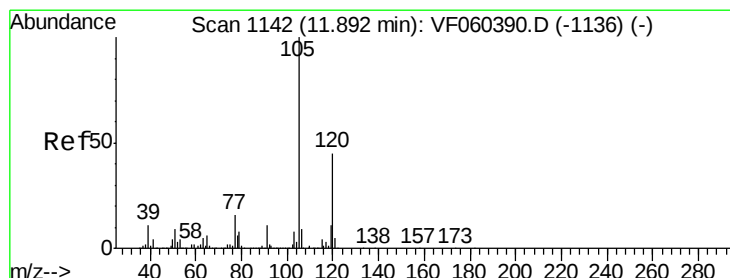
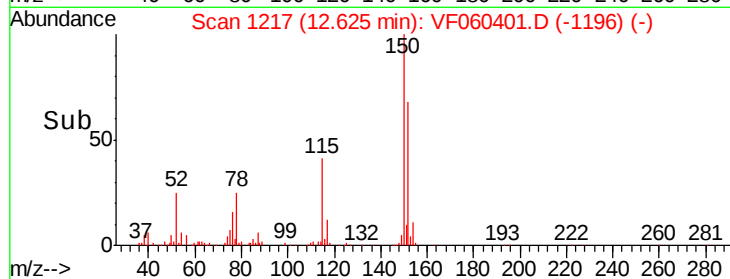
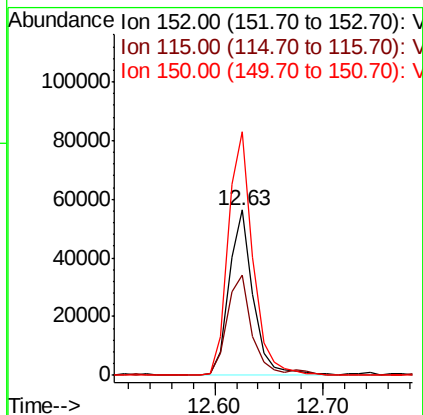
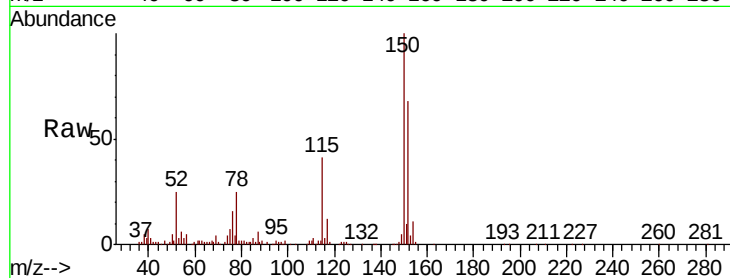


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VF060401.D
Acq: 2 Oct 2018 14:45

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

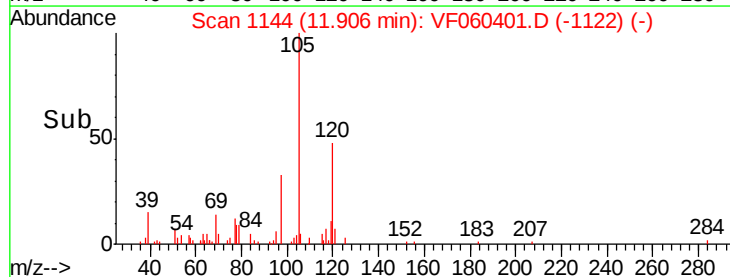
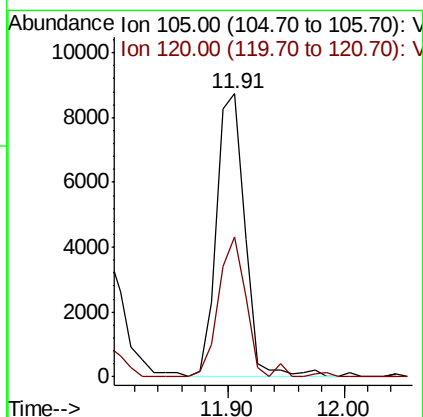
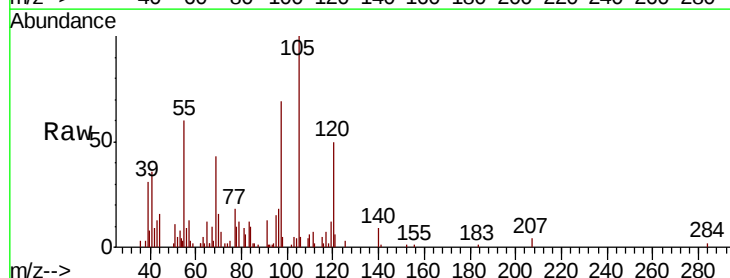
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.0	28.6	85.8
150	147.3	0.0	324.6

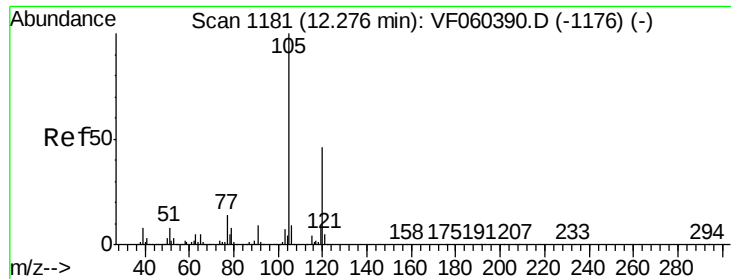


#80

1,3,5-Trimethylbenzene
Concen: 2.511 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF060401.D
Acq: 2 Oct 2018 14:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	22.3	66.9





#84

1,2,4-Trimethylbenzene

Concen: 3.614 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VF060401.D

Acq: 2 Oct 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-ARE

Tot Ion:105 Resp: 21173

Ion Ratio Lower Upper

105 100

120 46.4 23.1 69.2

