

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061489.D
 Acq On : 23 Jan 2019 18:12
 Operator : VA/AP
 Sample : K1223-07
 Misc : 5.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-S

Quant Time: Jan 24 03:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

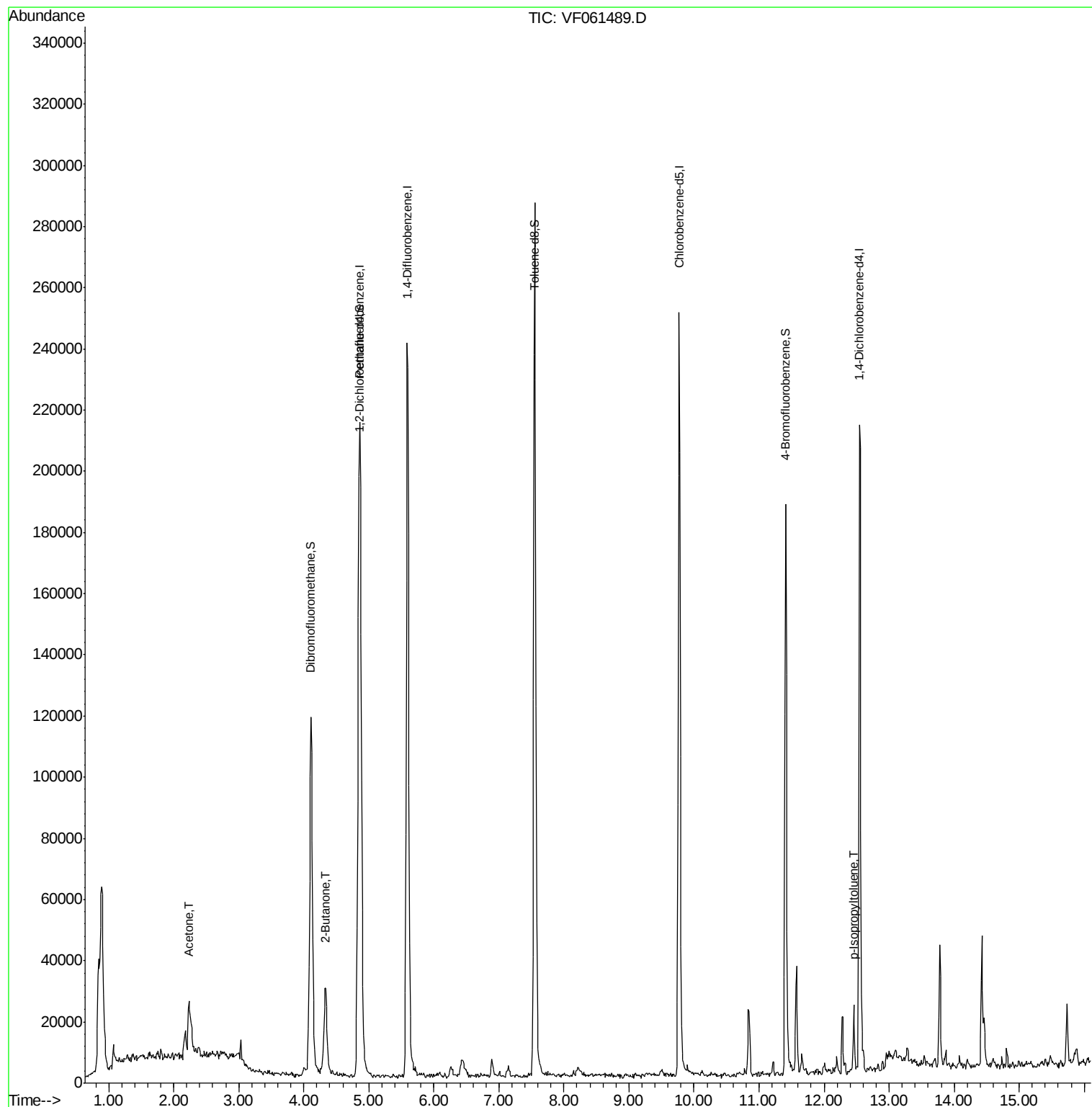
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	151347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	277210	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	180851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	55973	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	95161	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
35) Dibromofluoromethane	4.11	113	112614	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
50) Toluene-d8	7.55	98	236858	39.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.04%	
62) 4-Bromofluorobenzene	11.41	95	72328	25.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.66%	
Target Compounds						
16) Acetone	2.24	43	28313	75.530	ug/l #	91
25) 2-Butanone	4.33	43	63364	101.647	ug/l #	91
86) p-Isopropyltoluene	12.45	119	11907	2.809	ug/l	91

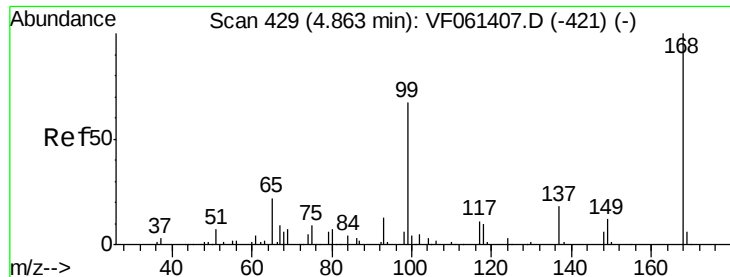
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061489.D

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Instrument :

MSVOA_F

ClientSampleId :

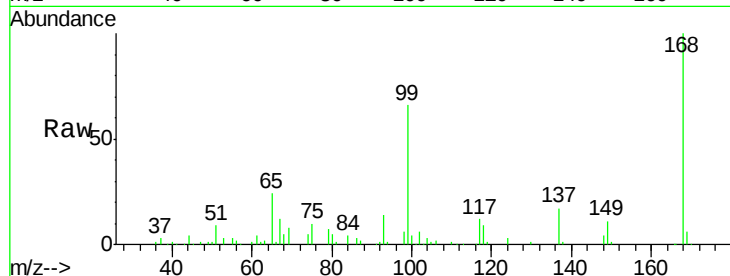
TS-S

Tot Ion:168 Resp: 151347

Ion Ratio Lower Upper

168 100

99 66.2 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

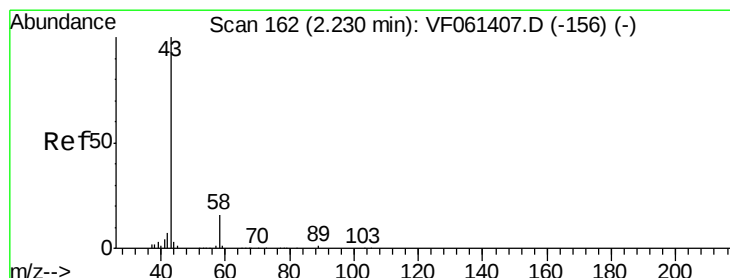
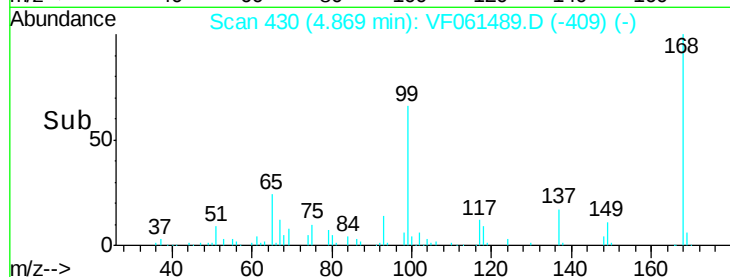
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 75.530 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061489.D

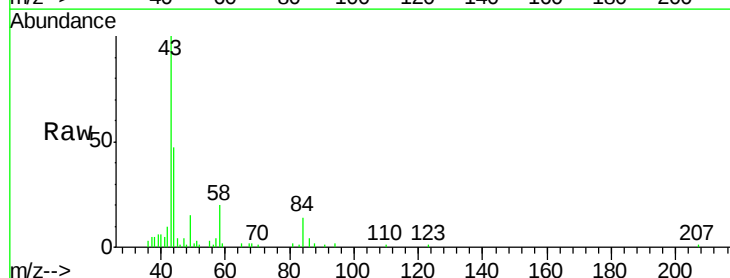
Acq: 23 Jan 2019 18:12

Tgt Ion: 43 Resp: 28313

Ion Ratio Lower Upper

43 100

58 20.3 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

10000

8000

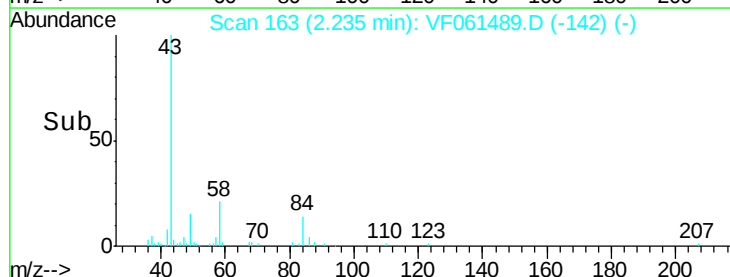
6000

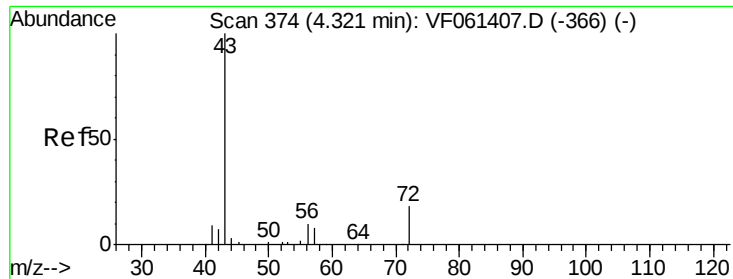
4000

2000

0

Time--> 2.10 2.20 2.30





#25

2-Butanone

Concen: 101.647 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

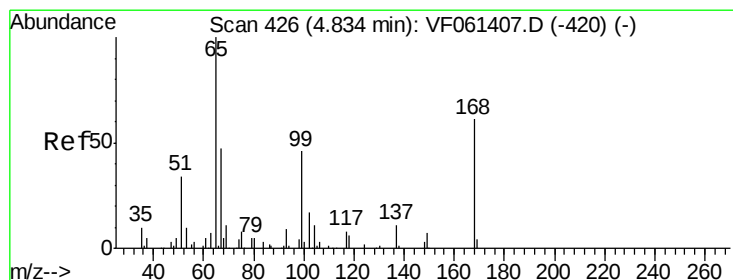
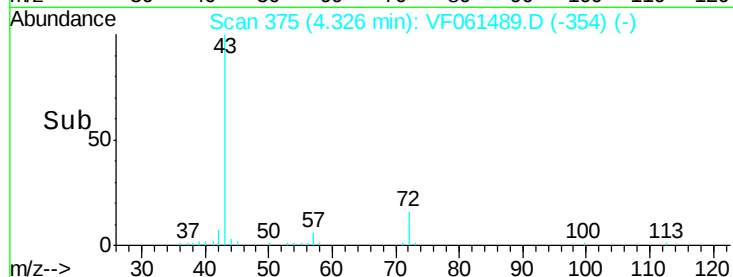
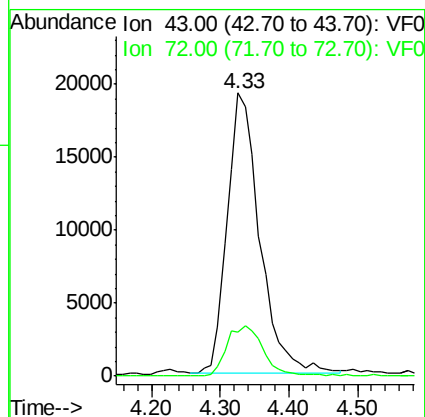
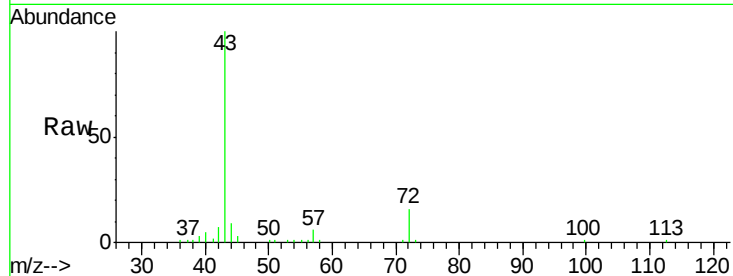
TS-S

Tot Ion: 43 Resp: 63364

Ion Ratio Lower Upper

43 100

72 15.5 15.8 23.6#



#33

1,2-Dichloroethane-d4

Concen: 50.927 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061489.D

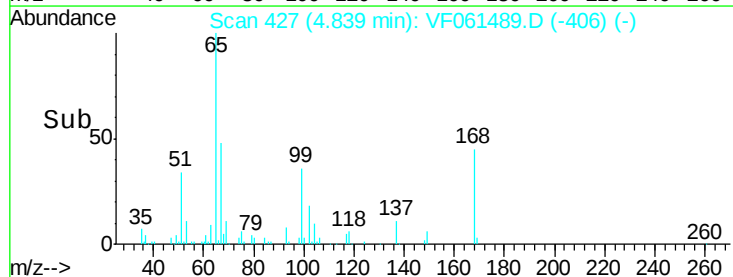
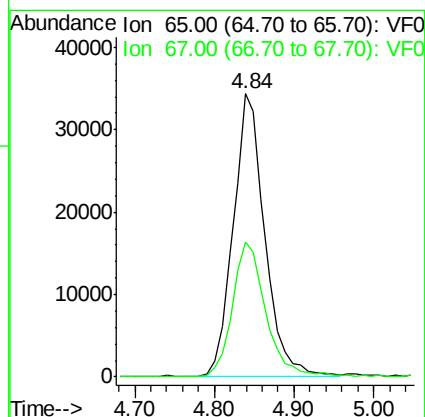
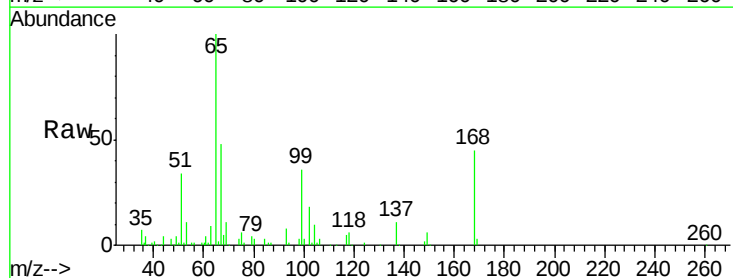
Acq: 23 Jan 2019 18:12

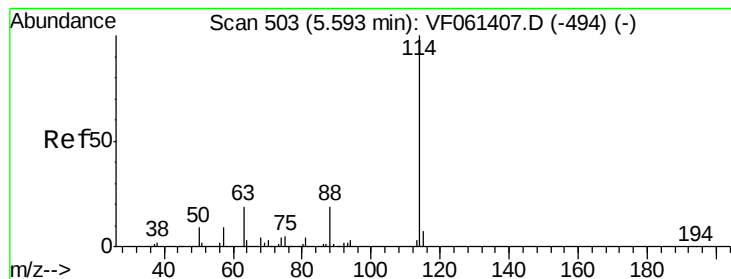
Tgt Ion: 65 Resp: 95161

Ion Ratio Lower Upper

65 100

67 47.9 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

TS-S

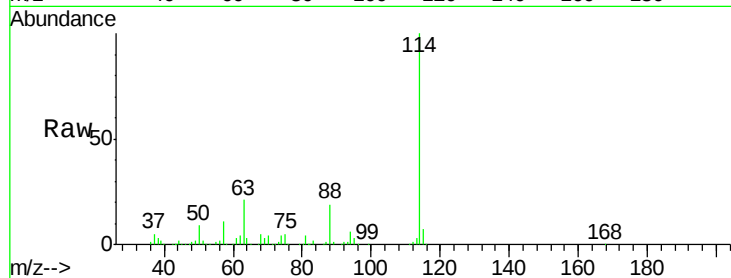
Tot Ion:114 Resp: 277210

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

88 19.3 0.0 37.4



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

120000

100000

80000

60000

40000

20000

0

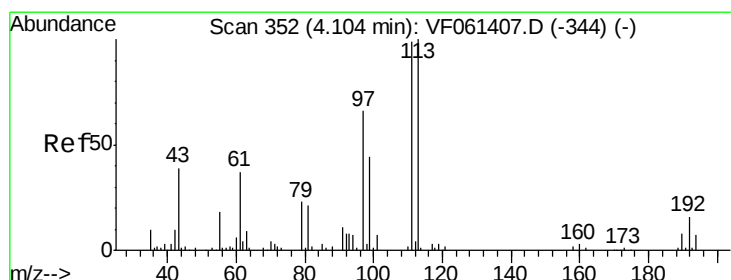
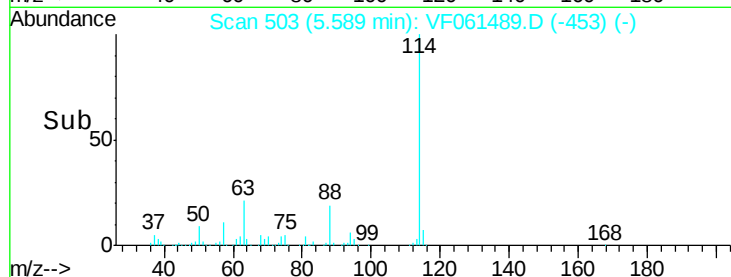
5.59

5.40

5.60

5.80

Time-->



#35

Dibromofluoromethane

Concen: 51.482 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

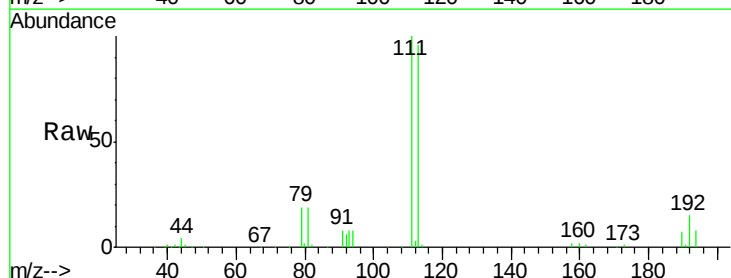
Tgt Ion:113 Resp: 112614

Ion Ratio Lower Upper

113 100

111 104.2 79.4 119.0

192 16.1 12.4 18.6



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

50000

40000

30000

20000

10000

0

4.11

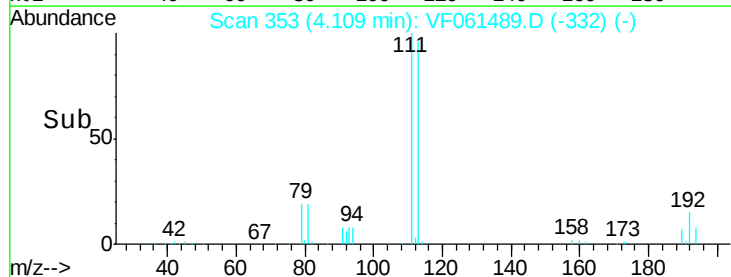
4.00

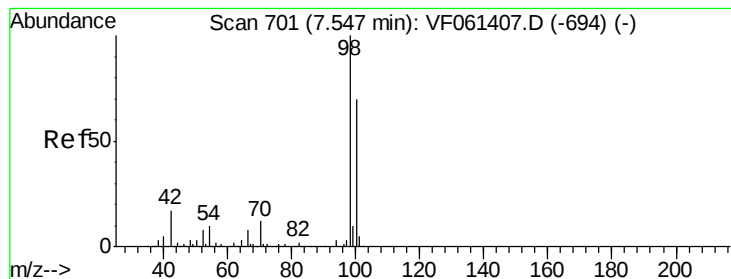
4.10

4.20

4.30

Time-->





#50

Toluene-d8

Concen: 39.521 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

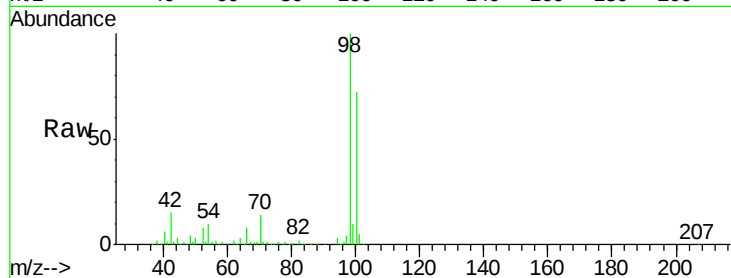
TS-S

Tot Ion: 98 Resp: 236858

Ion Ratio Lower Upper

98 100

100 71.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.55

100000

80000

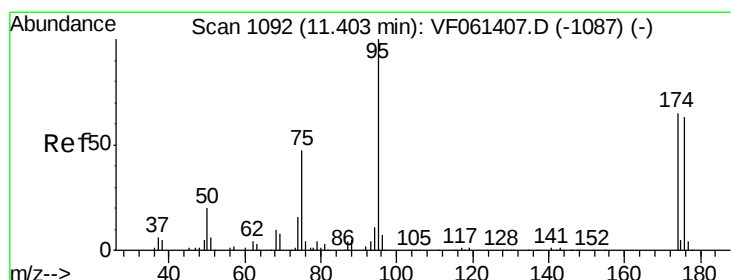
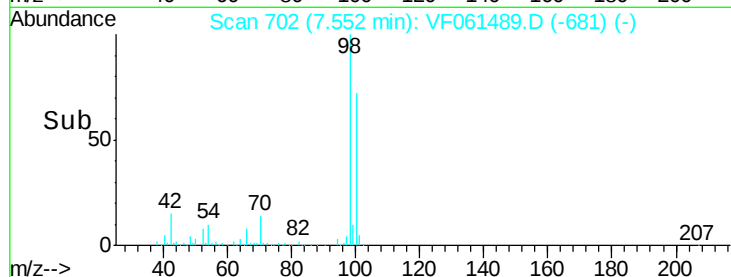
60000

40000

20000

0

Time--> 7.40 7.50 7.60 7.70



#62

4-Bromofluorobenzene

Concen: 25.830 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

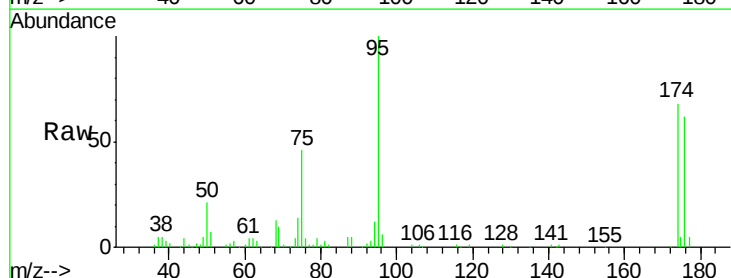
Tgt Ion: 95 Resp: 72328

Ion Ratio Lower Upper

95 100

174 68.0 0.0 130.4

176 62.1 0.0 126.2



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

11.41

50000

40000

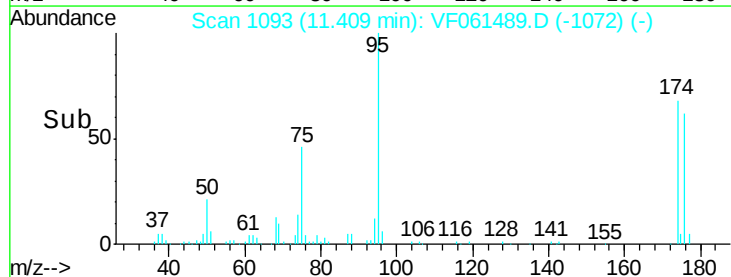
30000

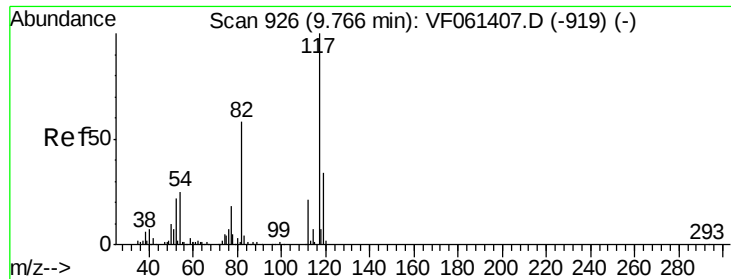
20000

10000

0

Time--> 11.30 11.40 11.50

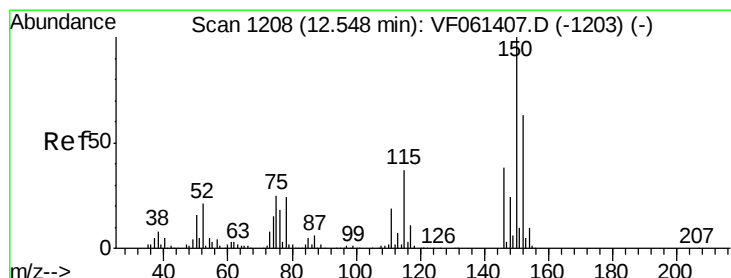
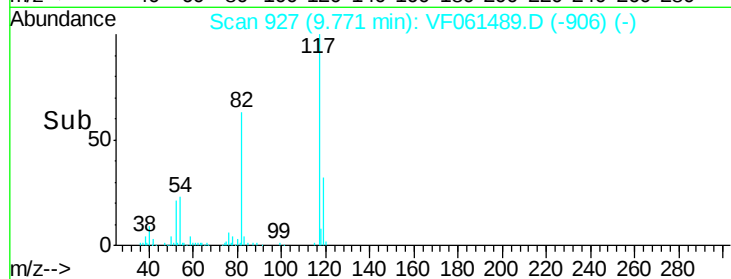
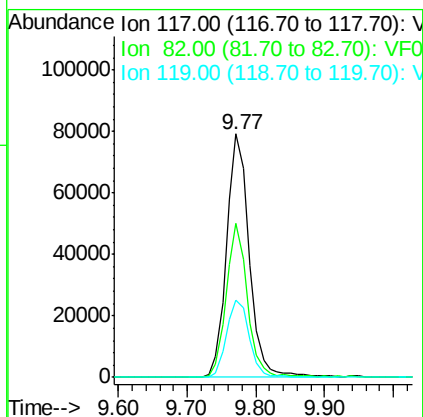
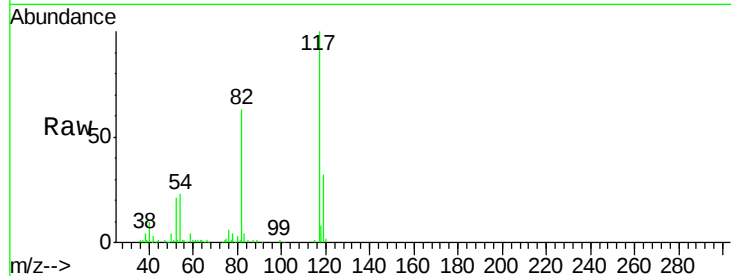




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

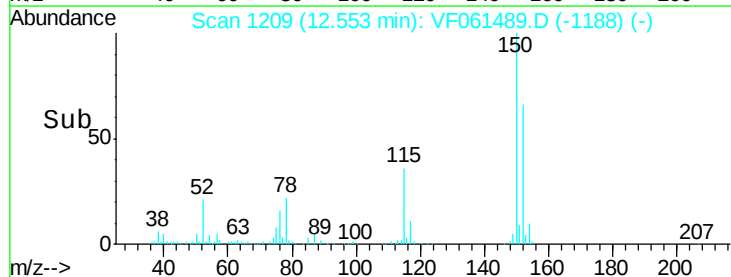
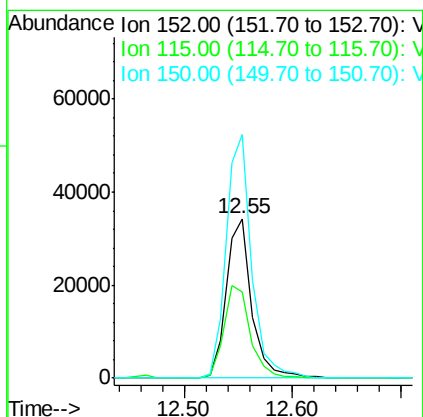
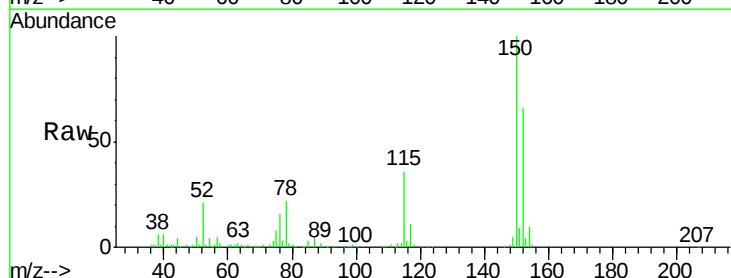
Instrument :
MSVOA_F
ClientSampleId :
TS-S

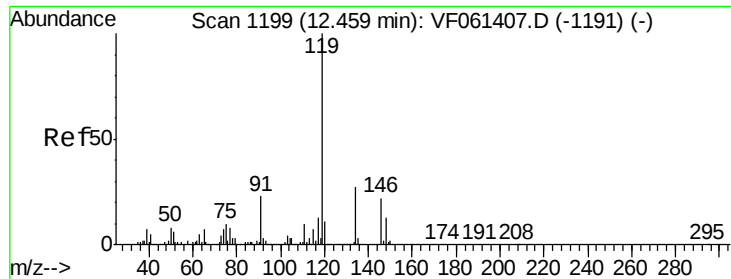
Tot Ion:117 Resp: 180851
Ion Ratio Lower Upper
117 100
82 63.2 46.4 69.6
119 31.8 27.2 40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061489.D
Acq: 23 Jan 2019 18:12

Tgt Ion:152 Resp: 55973
Ion Ratio Lower Upper
152 100
115 54.4 30.0 90.0
150 152.7 0.0 321.4





#86

p-Isopropyltoluene

Concen: 2.809 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061489.D

Acq: 23 Jan 2019 18:12

Instrument :

MSVOA_F

ClientSampleId :

TS-S

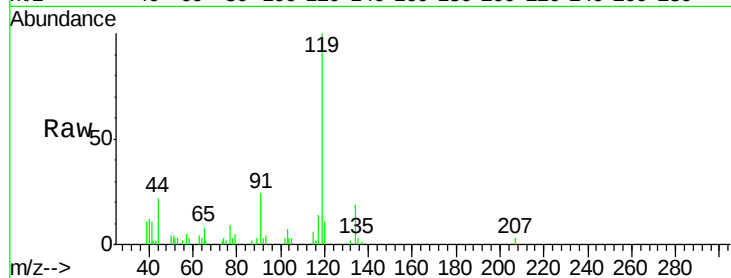
Tot Ion:119 Resp: 11907

Ion Ratio Lower Upper

119 100

134 19.0 13.4 40.2

91 23.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

