

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061486.D
 Acq On : 23 Jan 2019 16:46
 Operator : VA/AP
 Sample : K1223-04
 Misc : 4.97g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-P

Quant Time: Jan 24 03:26:47 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

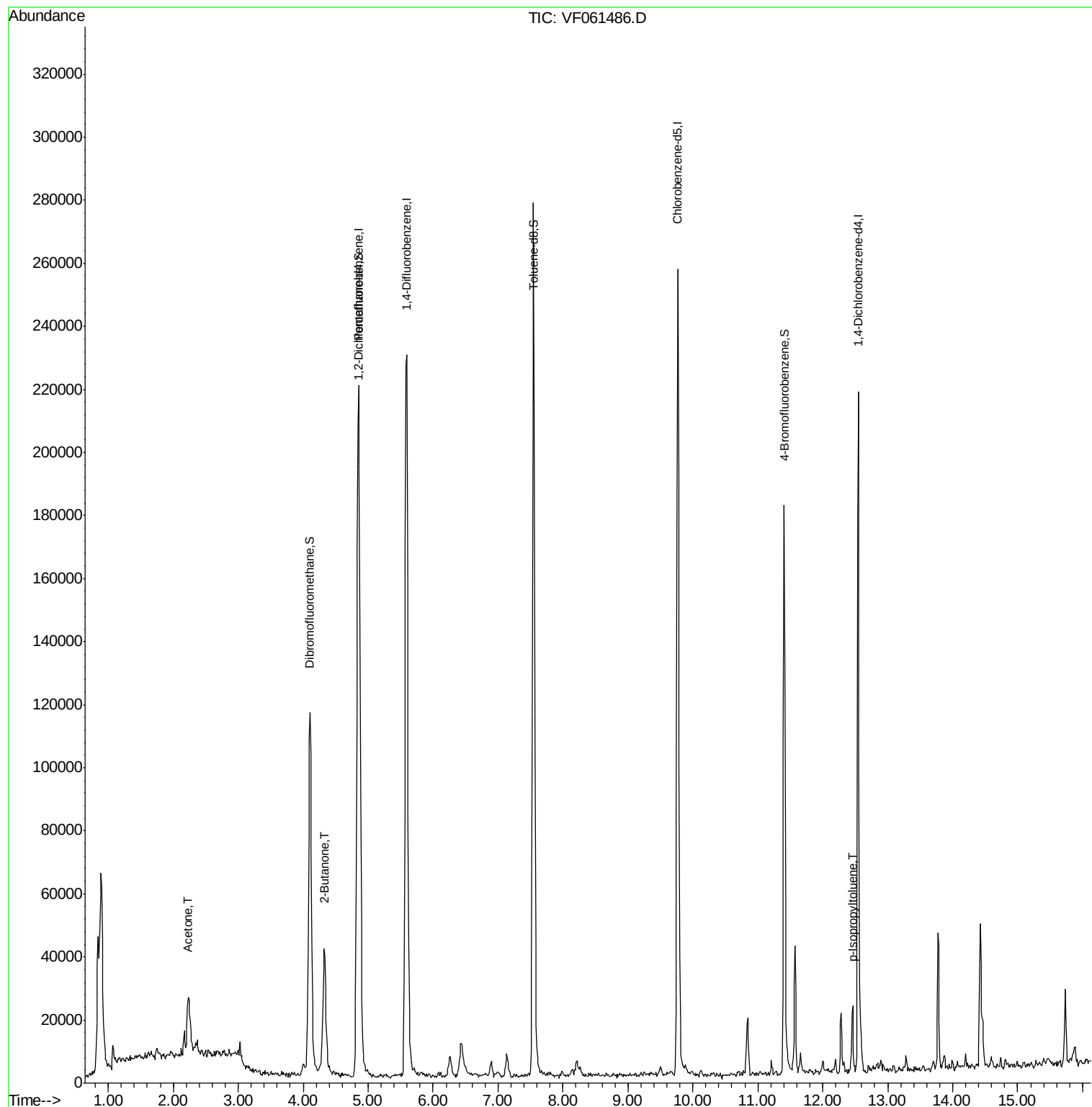
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	153666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	266033	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	174124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	54209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	107777	56.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.62%	
35) Dibromofluoromethane	4.11	113	114458	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
50) Toluene-d8	7.55	98	220022	38.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.50%	
62) 4-Bromofluorobenzene	11.41	95	71999	26.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.58%	
Target Compounds						
16) Acetone	2.23	43	27662	72.680	ug/l	96
25) 2-Butanone	4.32	43	87748	138.639	ug/l	94
86) p-Isopropyltoluene	12.46	119	11803	2.875	ug/l	93

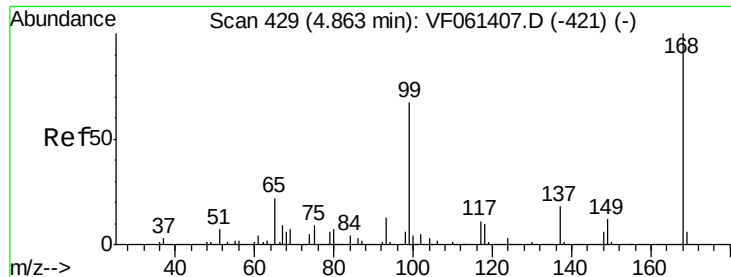
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 429

Delta R.T. 0.00 min

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Acq: 23 Jan 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

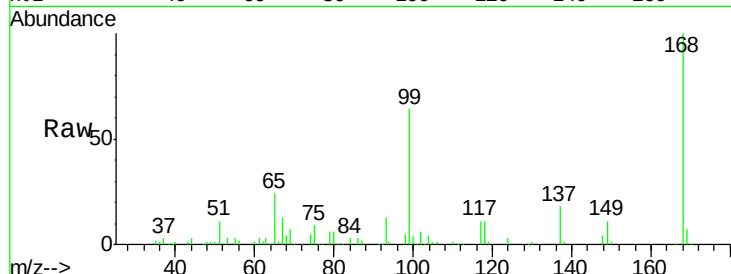
TS-P

Tot Ion:168 Resp: 153666

Ion Ratio Lower Upper

168 100

99 64.1 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

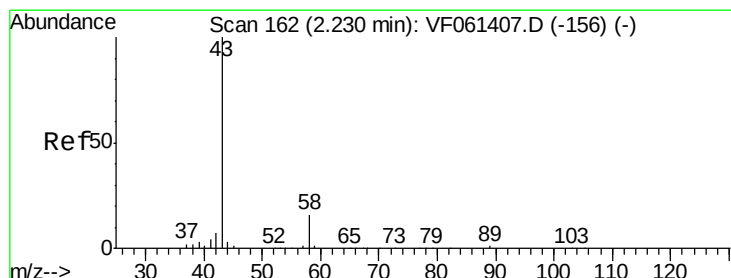
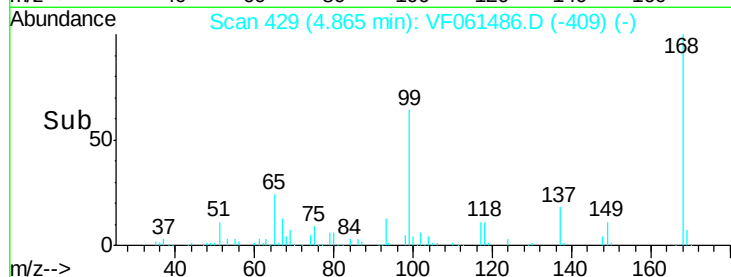
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 72.680 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061486.D

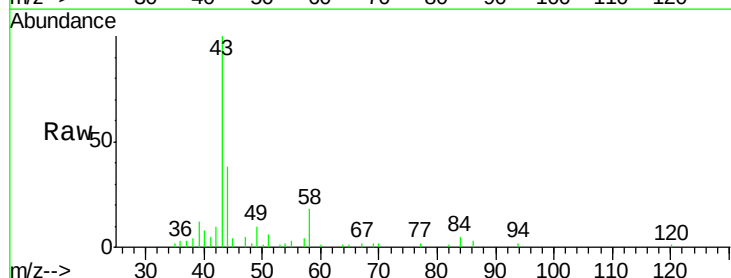
Acq: 23 Jan 2019 16:46

Tgt Ion: 43 Resp: 27662

Ion Ratio Lower Upper

43 100

58 18.1 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

12000

10000

8000

6000

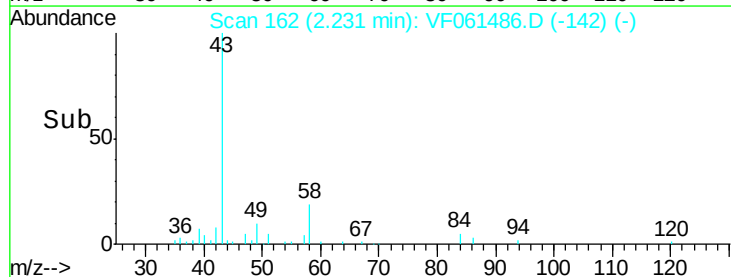
4000

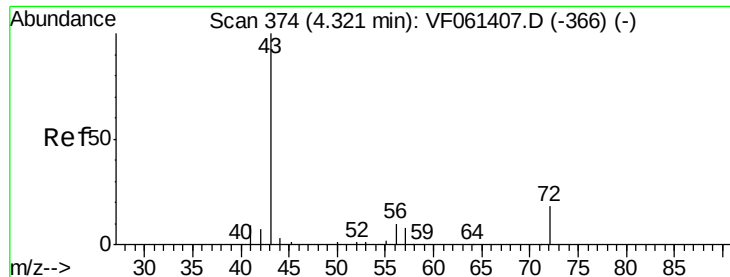
2000

0

Time-->

2.15 2.20 2.25 2.30





#25

2-Butanone

Concen: 138.639 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061486.D

Acq: 23 Jan 2019 16:46

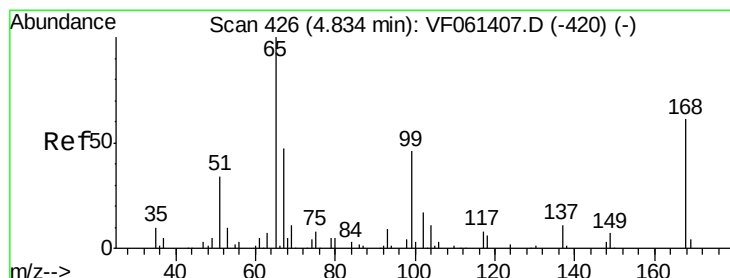
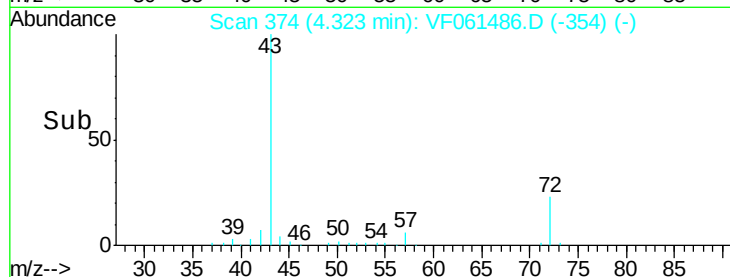
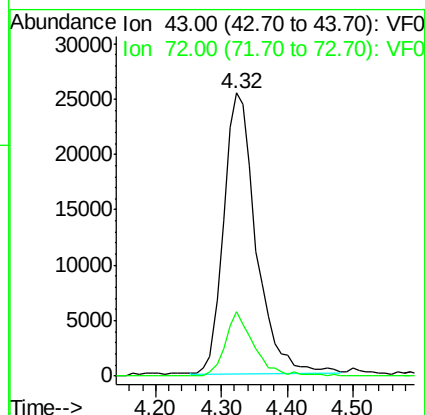
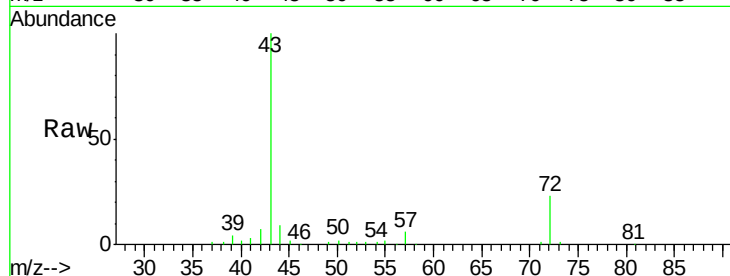
Instrument :
MSVOA_F
ClientSampled :
TS-P

Tot Ion: 43 Resp: 87748

Ion Ratio Lower Upper

43 100

72 22.6 15.8 23.6



#33

1,2-Dichloroethane-d4

Concen: 56.808 ug/l

RT: 4.84 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061486.D

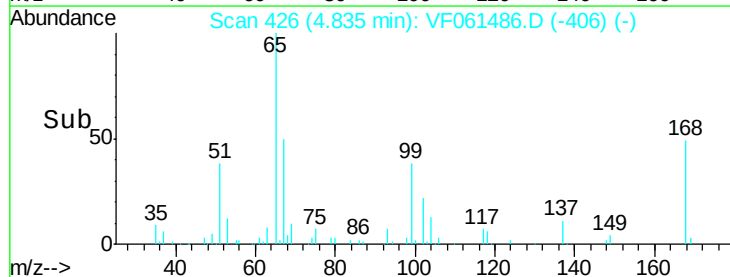
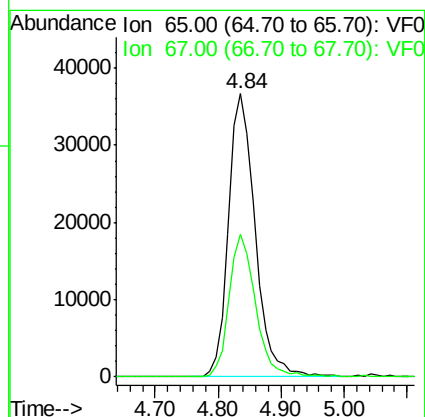
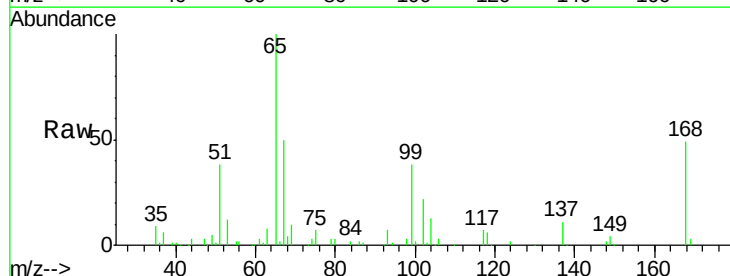
Acq: 23 Jan 2019 16:46

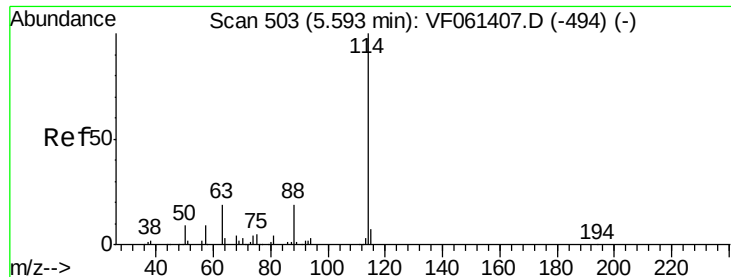
Tgt Ion: 65 Resp: 107777

Ion Ratio Lower Upper

65 100

67 50.4 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 503

Delta R.T. 0.00 min

Lab File: VF061486.D

Acq: 23 Jan 2019 16:46

Instrument :

MSVOA_F

ClientSampled :

TS-P

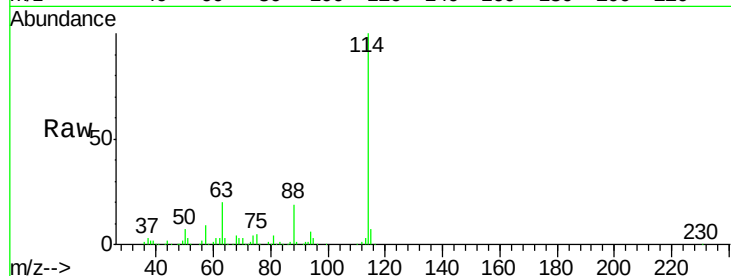
Tot Ion:114 Resp: 266033

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

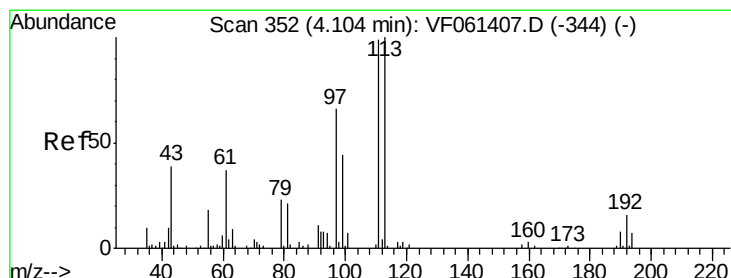
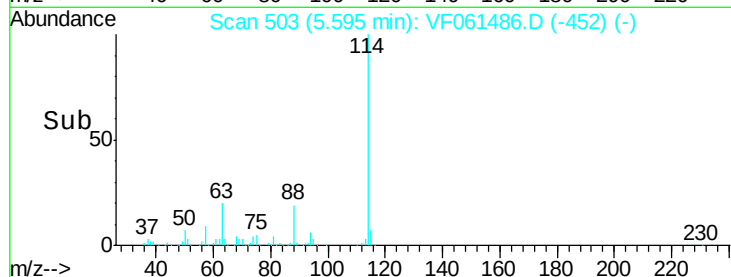
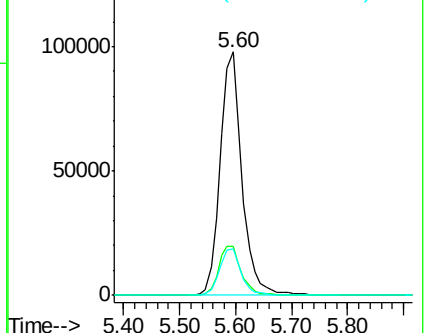
88 19.0 0.0 37.4



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



#35

Dibromofluoromethane

Concen: 54.524 ug/l

RT: 4.11 min Scan# 352

Delta R.T. 0.00 min

Lab File: VF061486.D

Acq: 23 Jan 2019 16:46

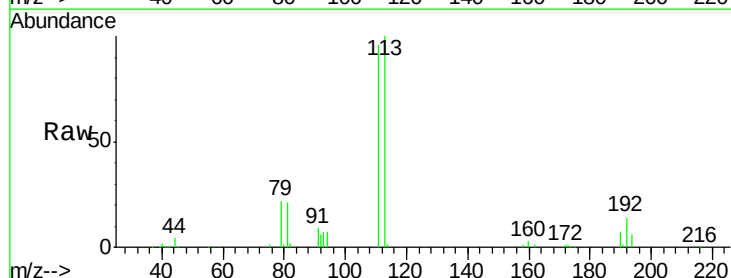
Tgt Ion:113 Resp: 114458

Ion Ratio Lower Upper

113 100

111 96.1 79.4 119.0

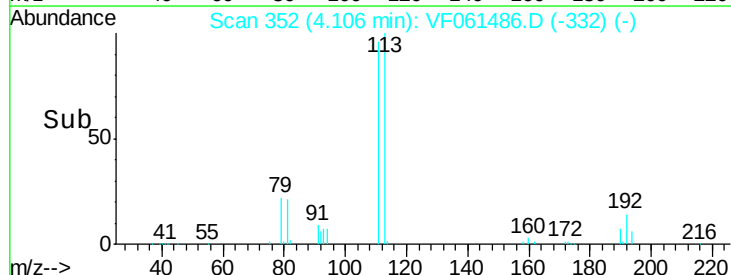
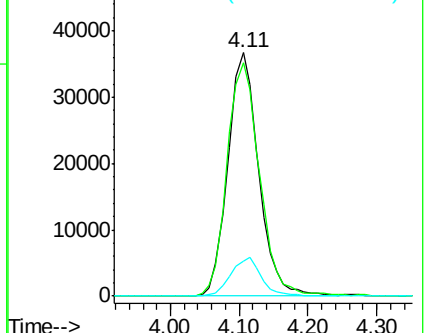
192 14.2 12.4 18.6

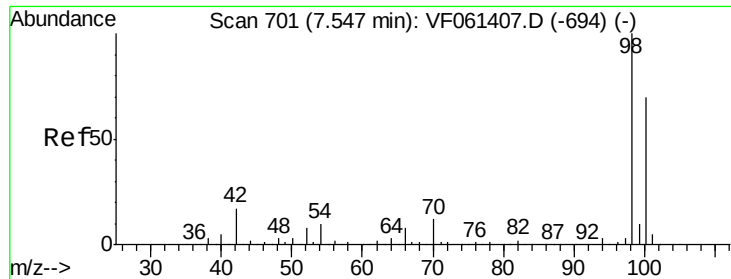


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

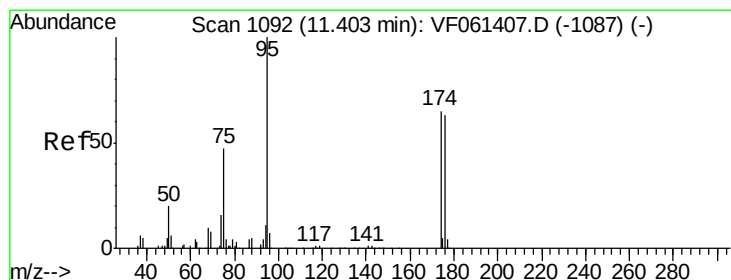
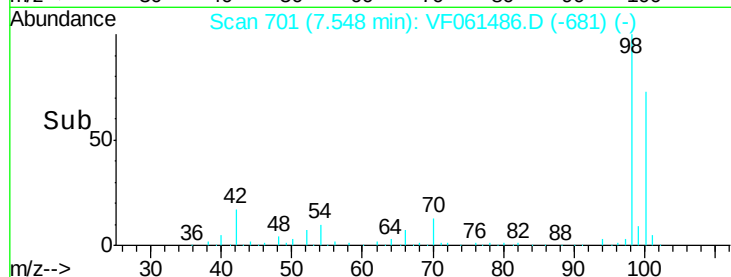
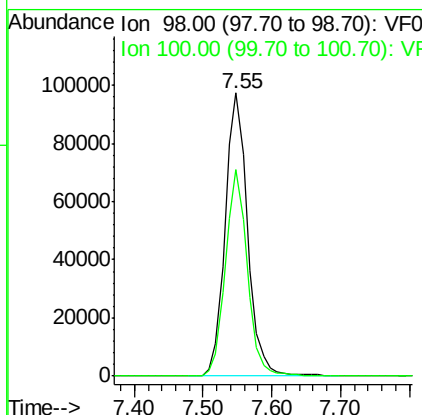
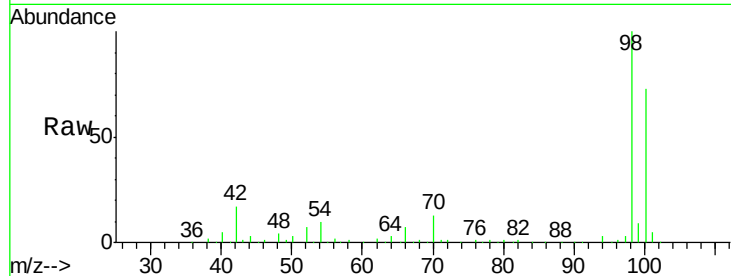




#50
Toluene-d8
Concen: 38.255 ug/l
RT: 7.55 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

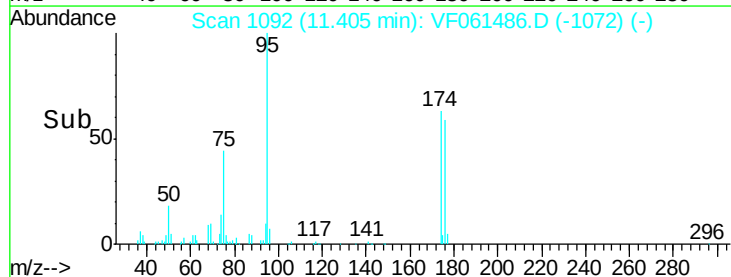
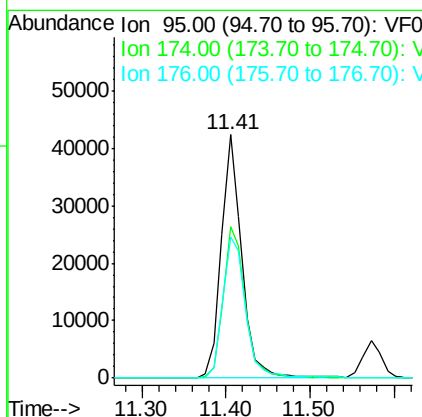
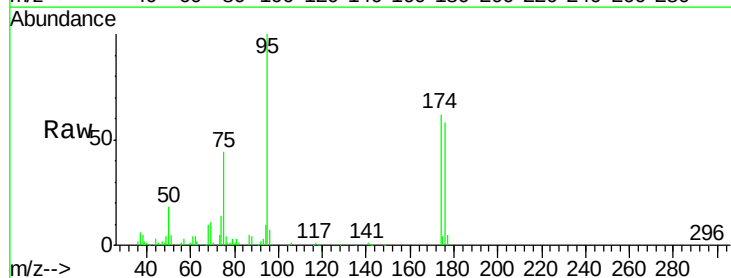
Instrument :
MSVOA_F
ClientSampled :
TS-P

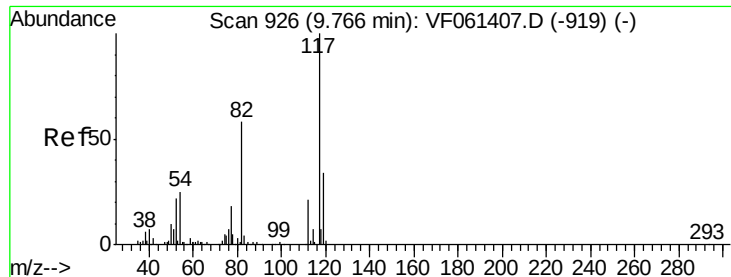
Tot Ion: 98 Resp: 220022
Ion Ratio Lower Upper
98 100
100 73.1 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 26.793 ug/l
RT: 11.41 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 95 Resp: 71999
Ion Ratio Lower Upper
95 100
174 62.5 0.0 130.4
176 58.2 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. 0.00 min

Lab File: VF061486.D

Acq: 23 Jan 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TS-P

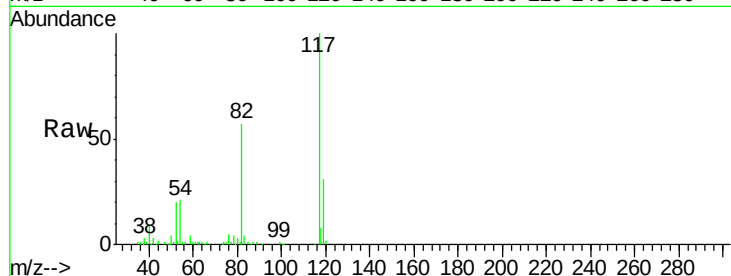
Tot Ion:117 Resp: 174124

Ion Ratio Lower Upper

117 100

82 56.5 46.4 69.6

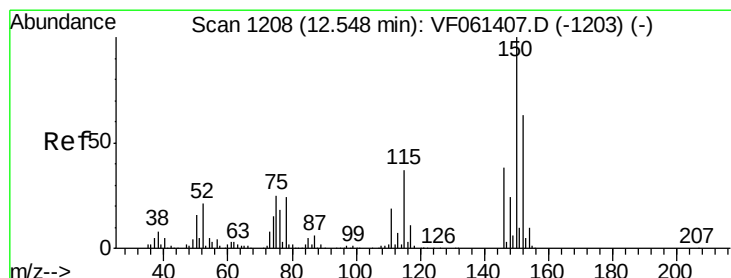
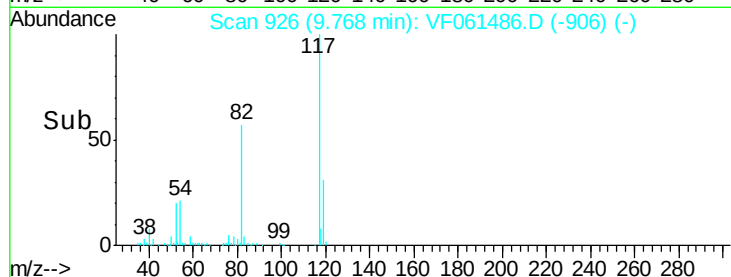
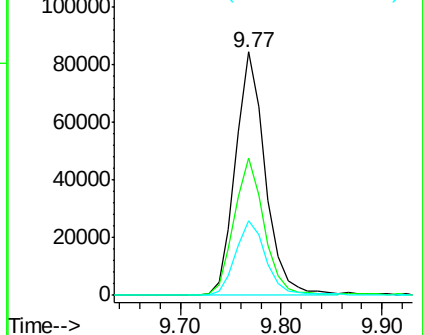
119 30.7 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061486.D

Acq: 23 Jan 2019 16:46

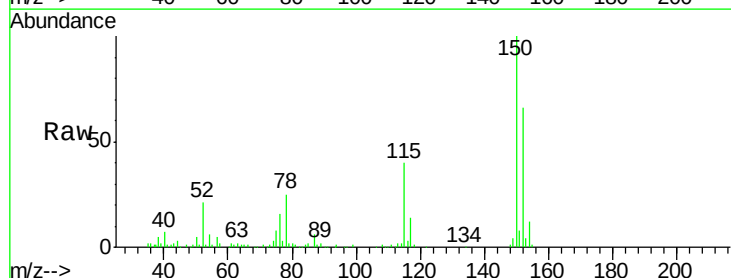
Tgt Ion:152 Resp: 54209

Ion Ratio Lower Upper

152 100

115 61.1 30.0 90.0

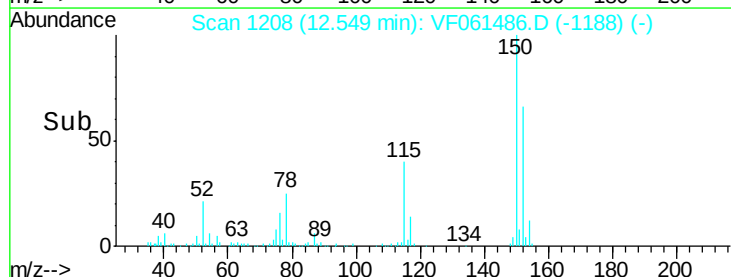
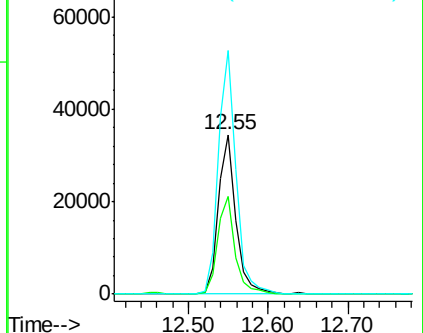
150 152.4 0.0 321.4

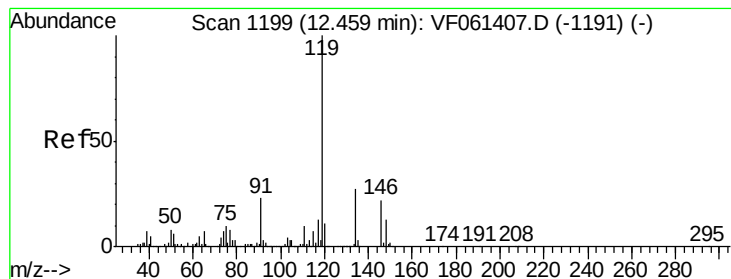


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#86

p-Isopropyltoluene

Concen: 2.875 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061486.D

Acq: 23 Jan 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

TS-P

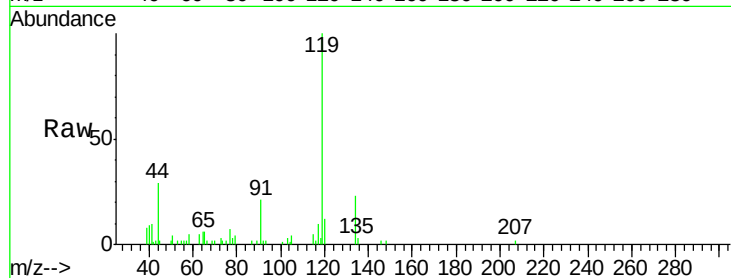
Tot Ion:119 Resp: 11803

Ion Ratio Lower Upper

119 100

134 22.6 13.4 40.2

91 20.5 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

