

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061493.D
 Acq On : 24 Jan 2019 11:43
 Operator : VA/AP
 Sample : VF0124SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0124SBL01

Quant Time: Jan 25 04:27:40 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	4.90	168	206422	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.63	114	346462	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.80	117	323510	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.57	152	174714	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.88	65	119615	46.93	ug/l	0.05
Spiked Amount 50.000			Recovery	=	93.86%	
35) Dibromofluoromethane	4.15	113	148007	54.14	ug/l	0.05
Spiked Amount 50.000			Recovery	=	108.28%	
50) Toluene-d8	7.58	98	374598	50.01	ug/l	0.04
Spiked Amount 50.000			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.43	95	182190	52.06	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.12%	

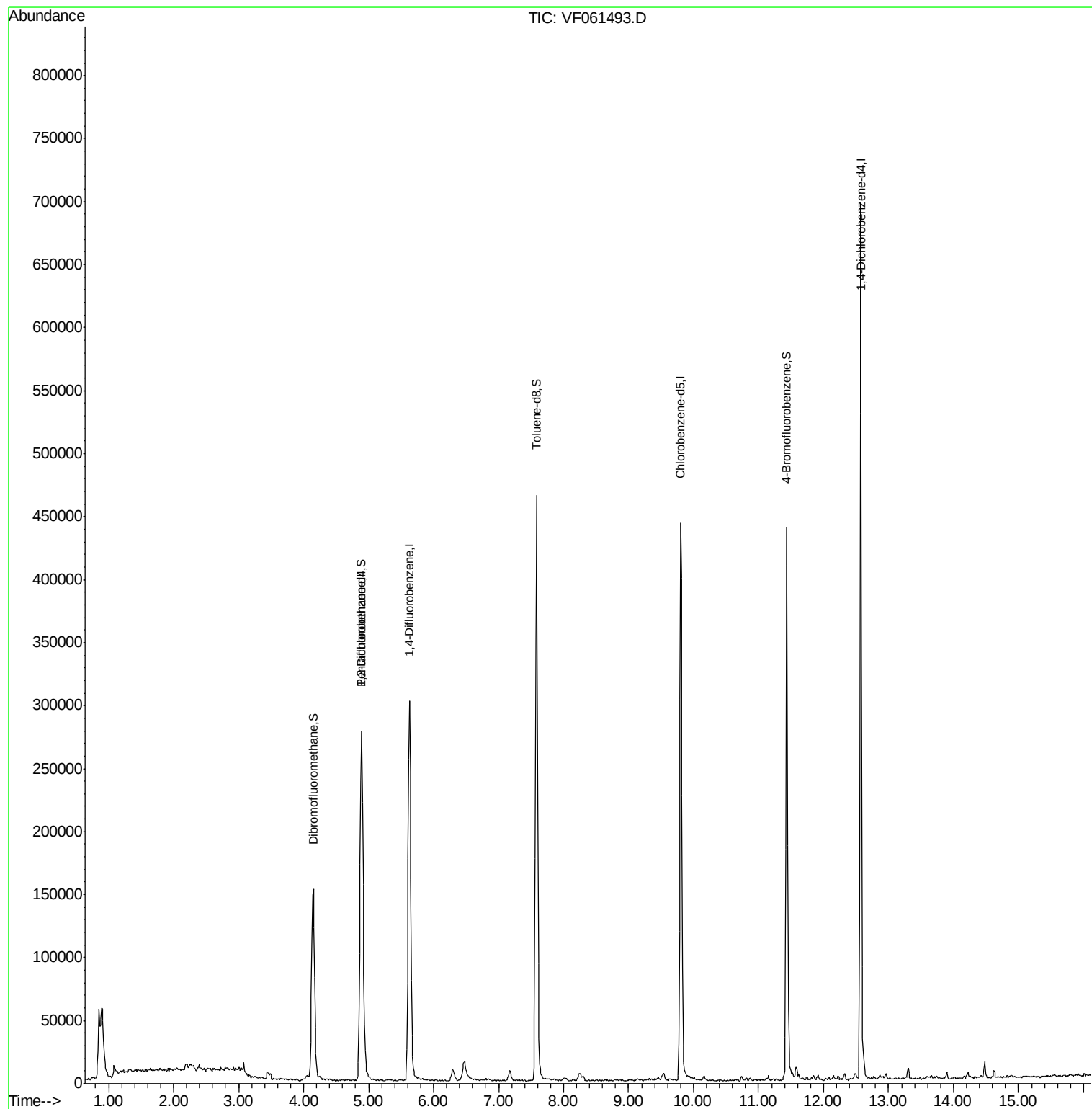
Target Compounds	Qvalue
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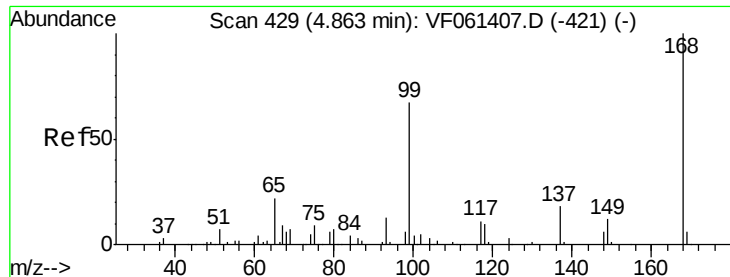
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.04 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

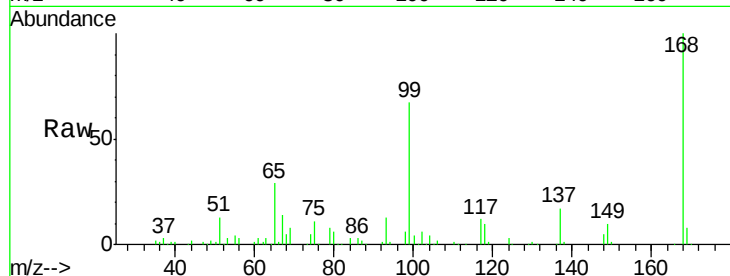
VF0124SBL01

Tot Ion:168 Resp: 206422

Ion Ratio Lower Upper

168 100

99 67.3 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

60000

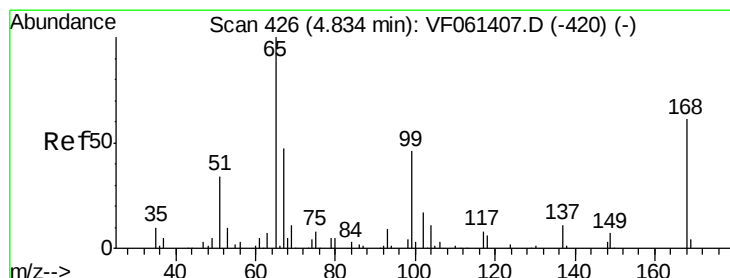
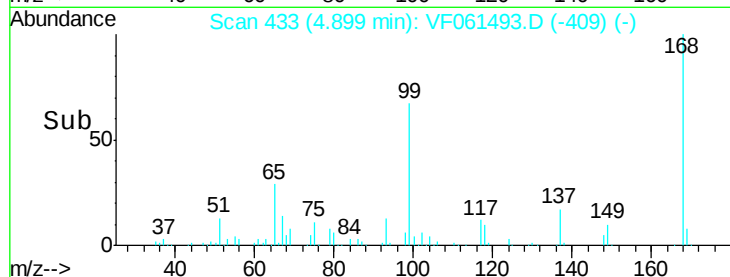
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 46.935 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.05 min

Lab File: VF061493.D

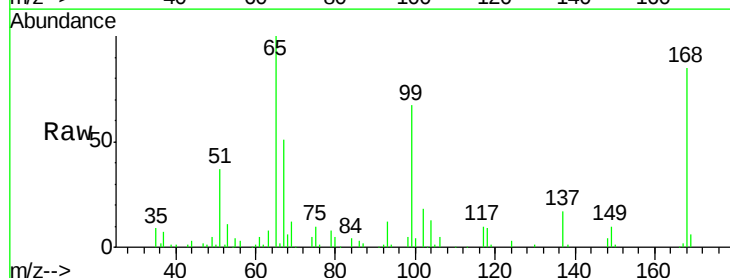
Acq: 24 Jan 2019 11:43

Tgt Ion: 65 Resp: 119615

Ion Ratio Lower Upper

65 100

67 50.9 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.88

40000

30000

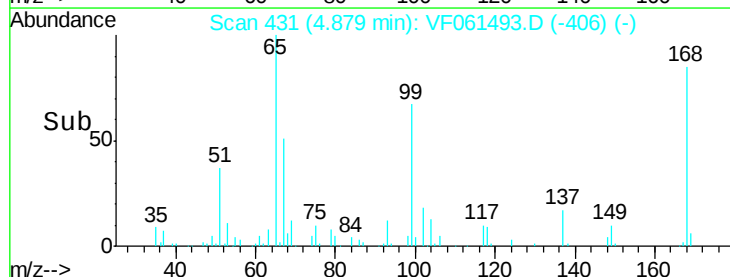
20000

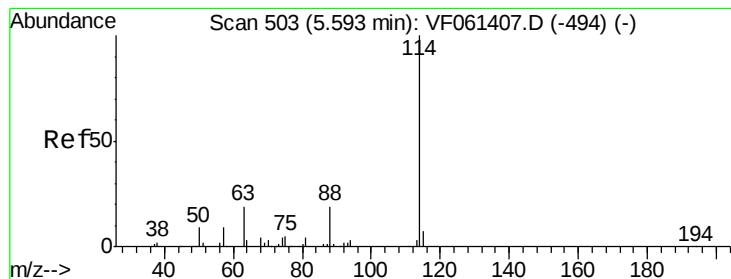
10000

0

Time-->

4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.04 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

VF0124SBL01

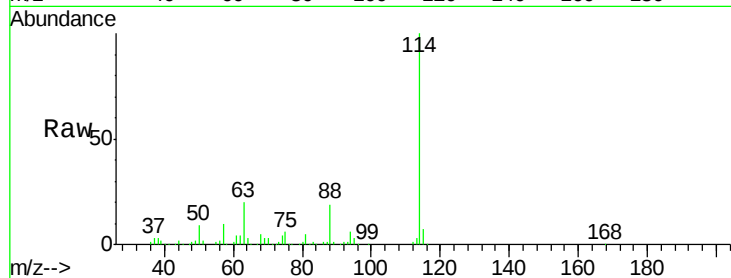
Tot Ion:114 Resp: 346462

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.0

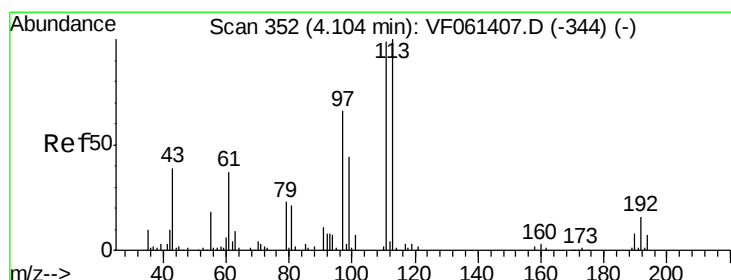
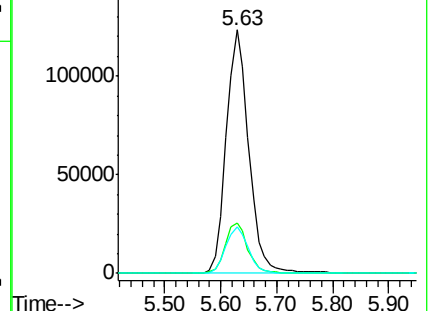
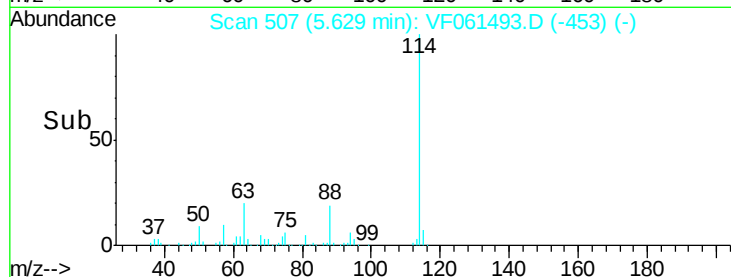
88 19.3 0.0 37.4



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



#35

Dibromofluoromethane

Concen: 54.138 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.05 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

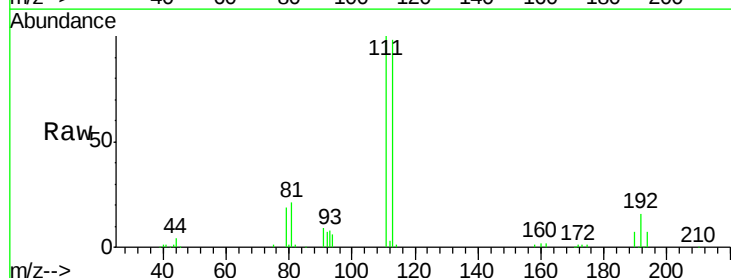
Tgt Ion:113 Resp: 148007

Ion Ratio Lower Upper

113 100

111 102.4 79.4 119.0

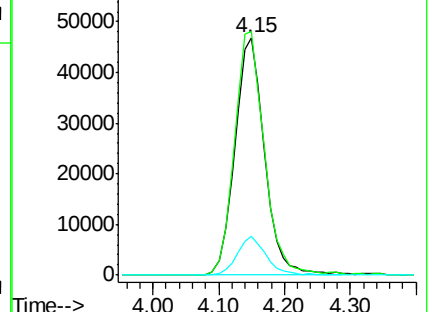
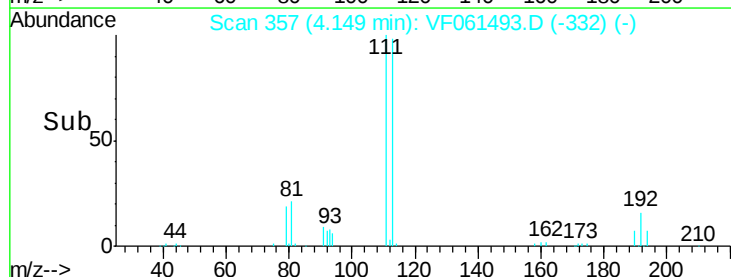
192 16.9 12.4 18.6

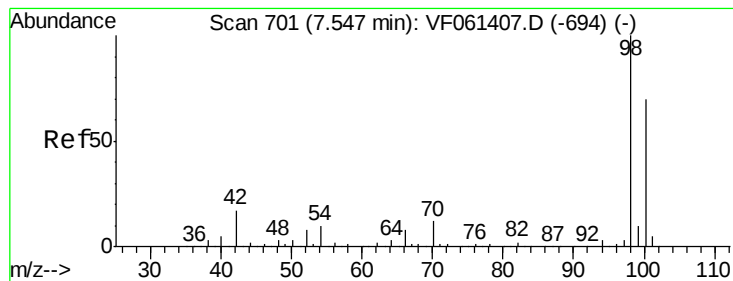


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 50.011 ug/l

RT: 7.58 min Scan# 705

Delta R.T. 0.04 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

Instrument :

MSVOA_F

ClientSampleId :

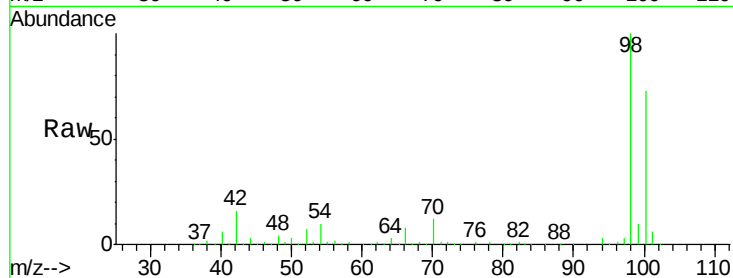
VF0124SBL01

Tot Ion: 98 Resp: 374598

Ion Ratio Lower Upper

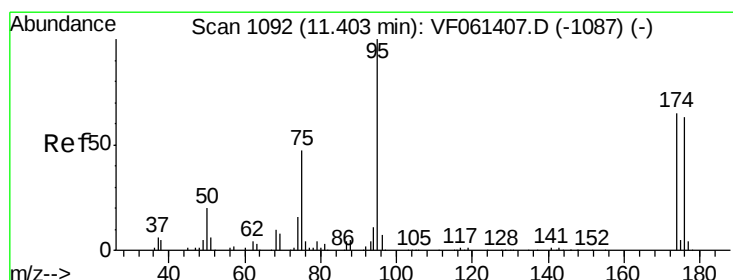
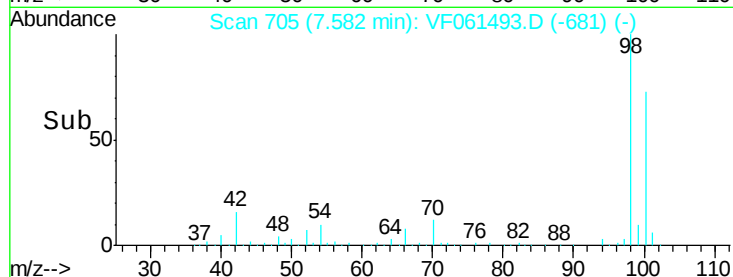
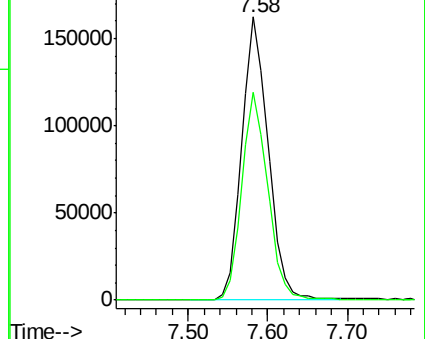
98 100

100 73.3 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 52.059 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.03 min

Lab File: VF061493.D

Acq: 24 Jan 2019 11:43

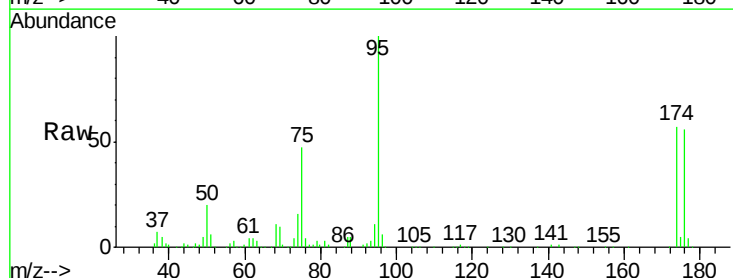
Tgt Ion: 95 Resp: 182190

Ion Ratio Lower Upper

95 100

174 56.9 0.0 130.4

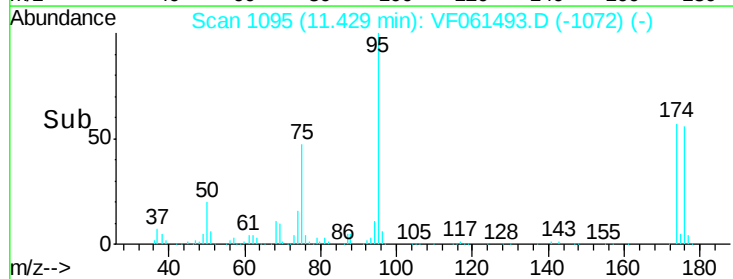
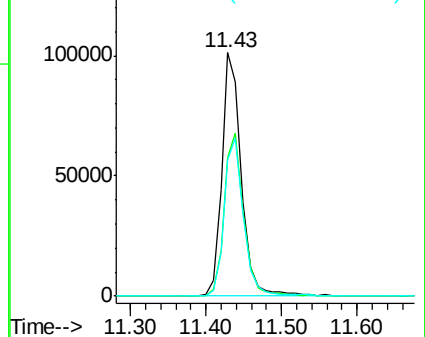
176 55.8 0.0 126.2

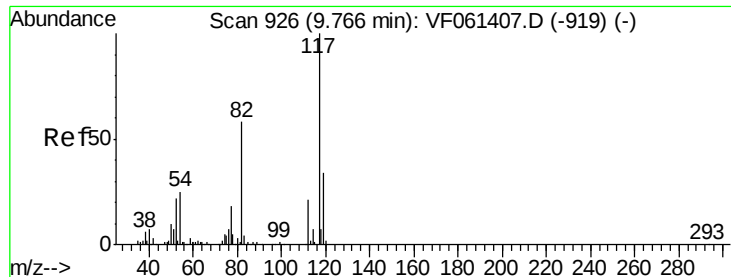


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

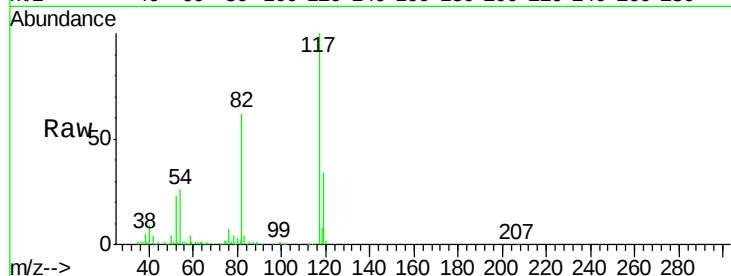




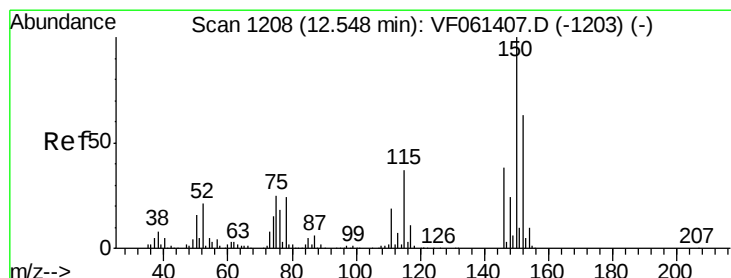
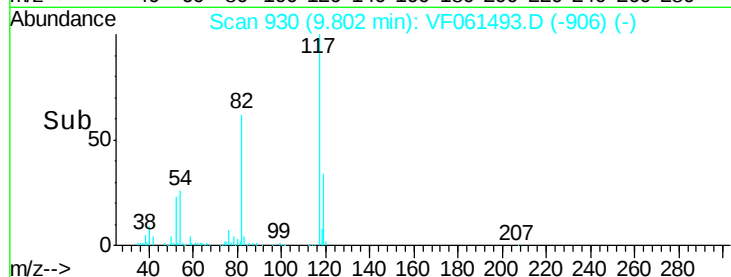
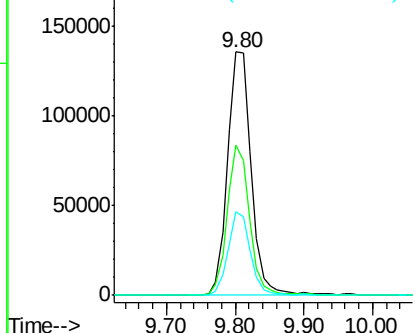
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.04 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Instrument :
MSVOA_F
ClientSampleId :
VF0124SBL01

Tot Ion:117 Resp: 323510
Ion Ratio Lower Upper
117 100
82 61.8 46.4 69.6
119 34.3 27.2 40.8

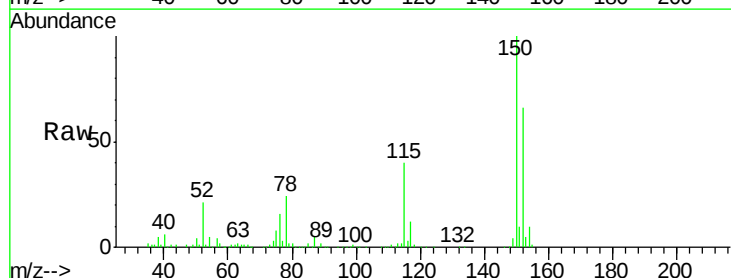


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.03 min
Lab File: VF061493.D
Acq: 24 Jan 2019 11:43

Tgt Ion:152 Resp: 174714
Ion Ratio Lower Upper
152 100
115 60.3 30.0 90.0
150 152.3 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

