

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061869.D
 Acq On : 8 Mar 2019 18:18
 Operator : VA/AP
 Sample : K1807-09
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 09 02:26:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	54124	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	64069	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	49528	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	22998	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	13671	34.68	ug/l	-0.02
Spiked Amount			Recovery	=	69.36%	
35) Dibromofluoromethane	4.09	113	25555	57.15	ug/l	-0.03
Spiked Amount			Recovery	=	114.30%	
50) Toluene-d8	7.54	98	79371	59.72	ug/l	-0.03
Spiked Amount			Recovery	=	119.44%	
62) 4-Bromofluorobenzene	11.40	95	25007	48.04	ug/l	-0.02
Spiked Amount			Recovery	=	96.08%	

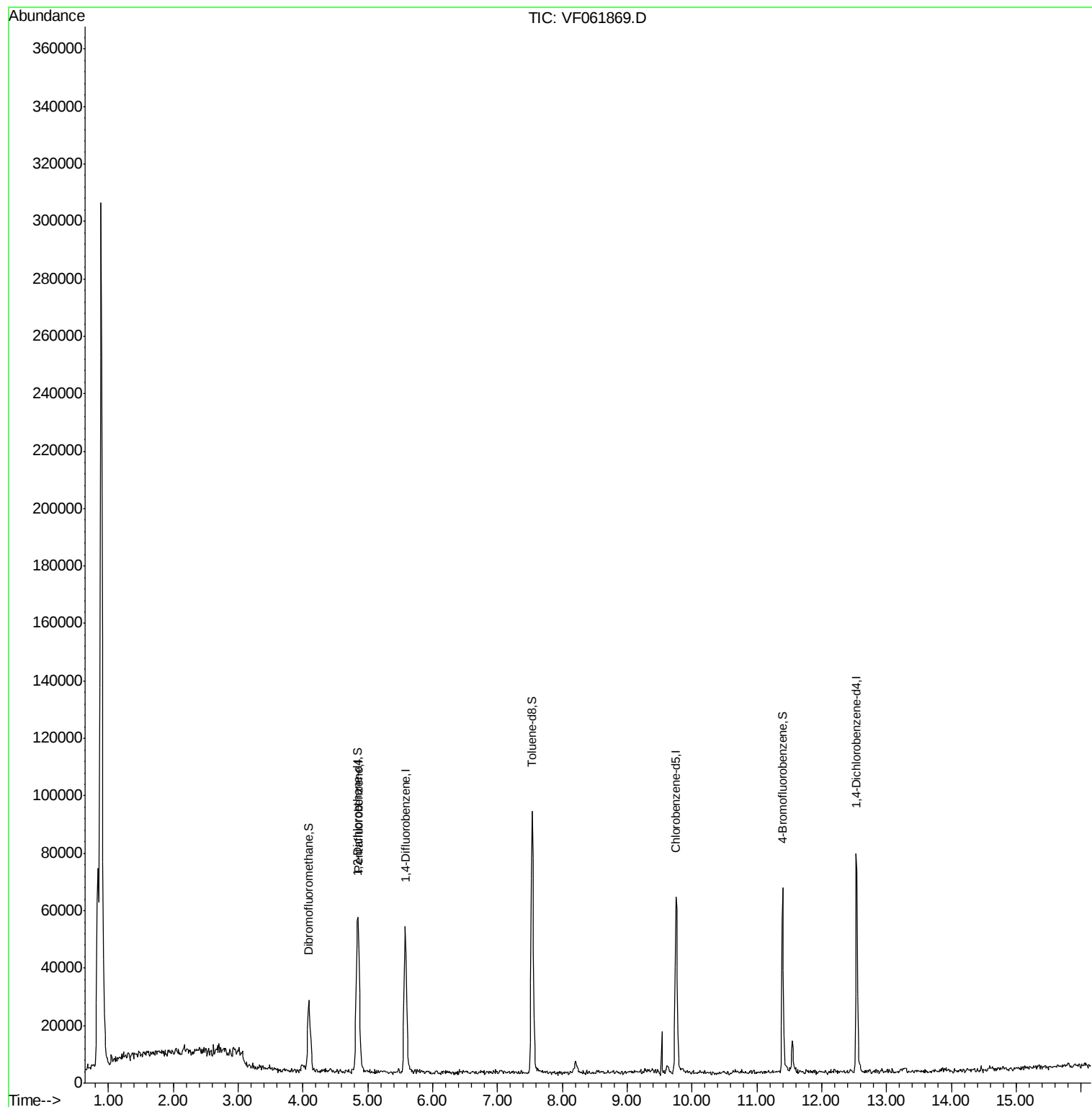
Target Compounds	Qvalue
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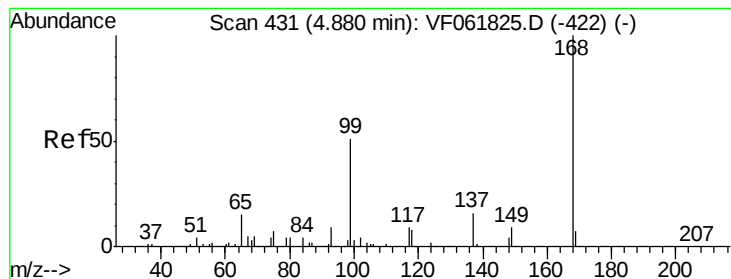
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampleId :

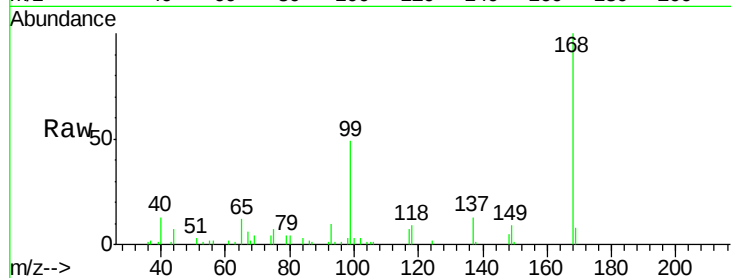
TP-5

Tot Ion:168 Resp: 54124

Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

20000

15000

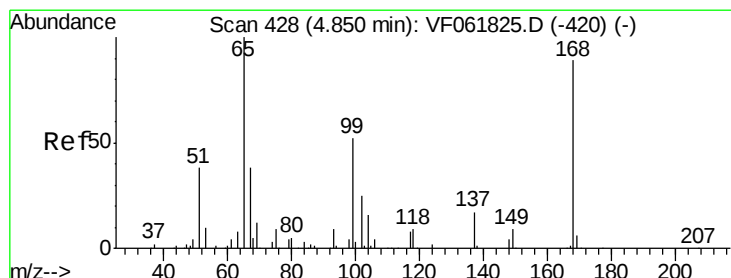
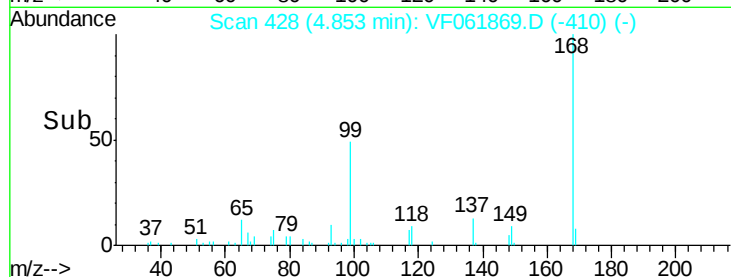
10000

5000

0

4.80 4.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 34.684 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061869.D

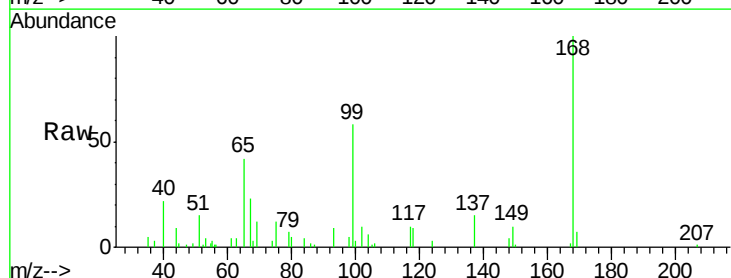
Acq: 8 Mar 2019 18:18

Tgt Ion: 65 Resp: 13671

Ion Ratio Lower Upper

65 100

67 54.7 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

5000

4000

3000

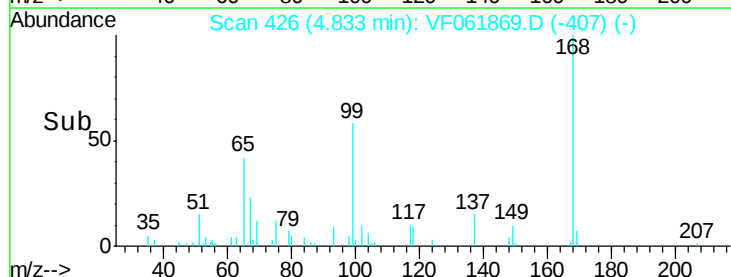
2000

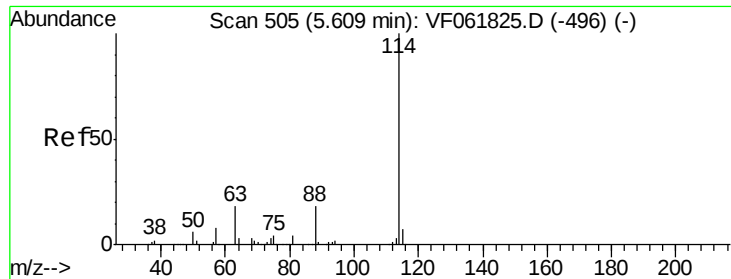
1000

0

4.70 4.80 4.90

Time-->

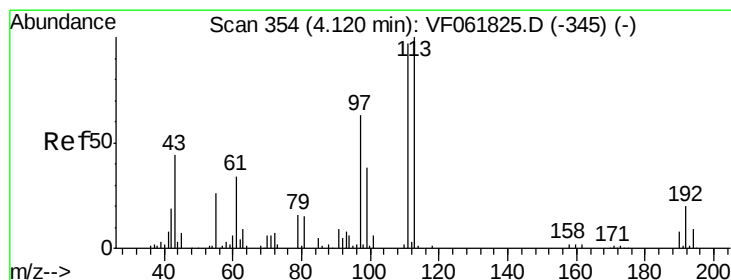
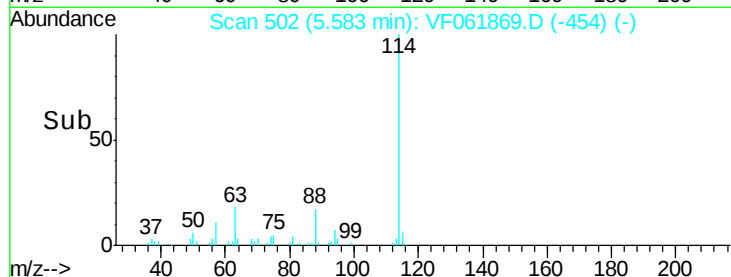
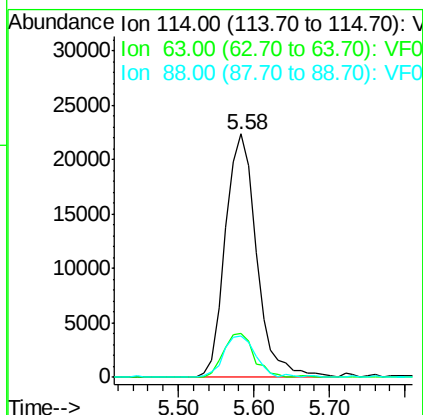
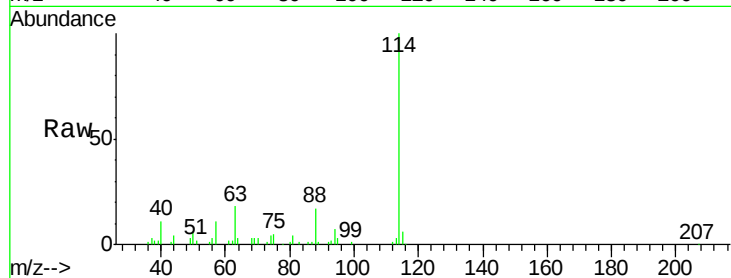




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061869.D
 Acq: 8 Mar 2019 18:18

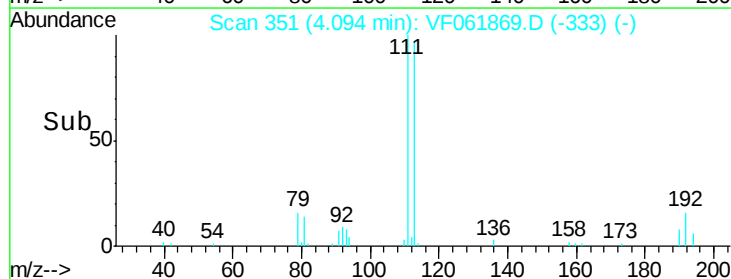
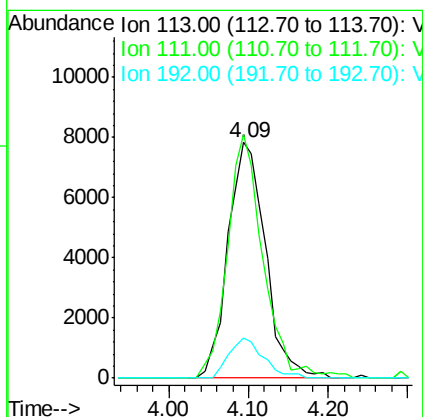
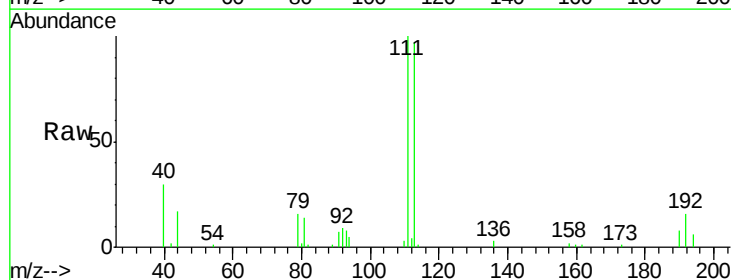
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5

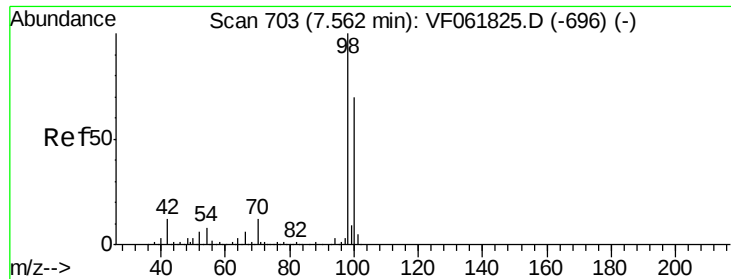
Tot Ion:114 Resp: 64069
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 16.9 0.0 35.6



#35
 Dibromofluoromethane
 Concen: 57.155 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061869.D
 Acq: 8 Mar 2019 18:18

Tgt Ion:113 Resp: 25555
 Ion Ratio Lower Upper
 113 100
 111 103.3 77.6 116.4
 192 17.0 15.9 23.9





#50

Toluene-d8

Concen: 59.724 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampleId :

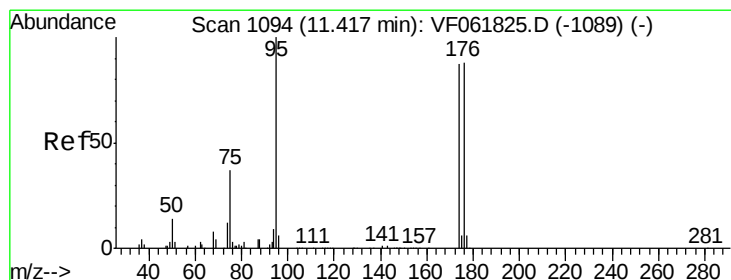
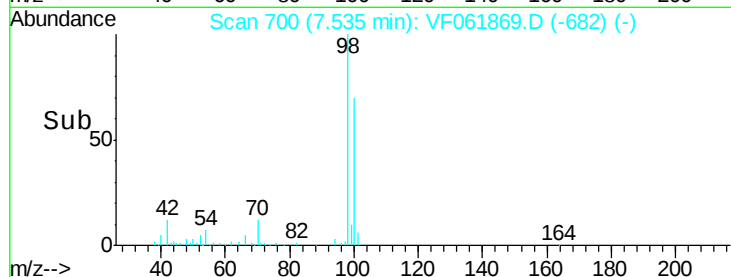
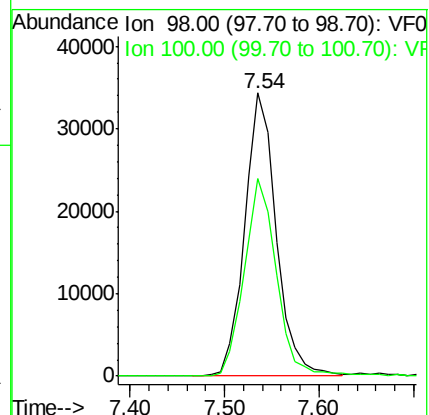
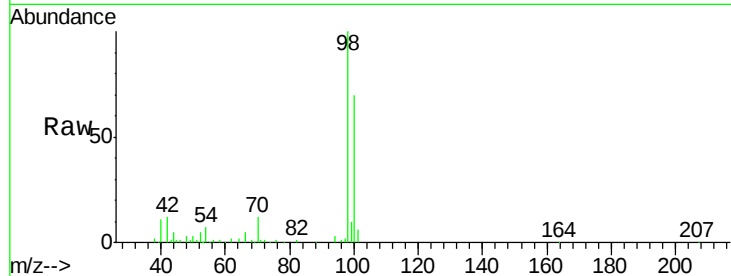
TP-5

Tot Ion: 98 Resp: 79371

Ion Ratio Lower Upper

98 100

100 70.0 56.0 84.0



#62

4-Bromofluorobenzene

Concen: 48.036 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

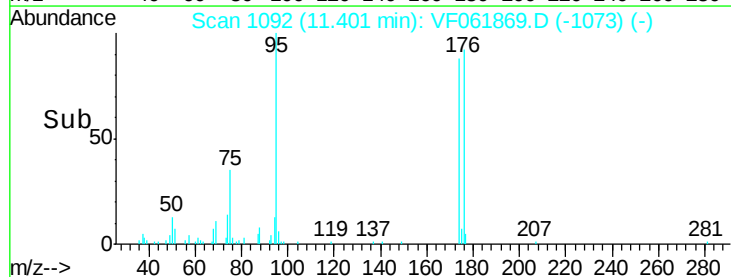
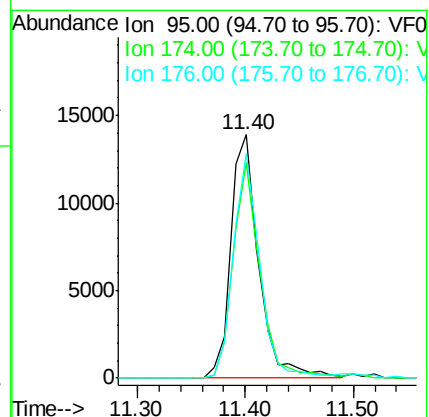
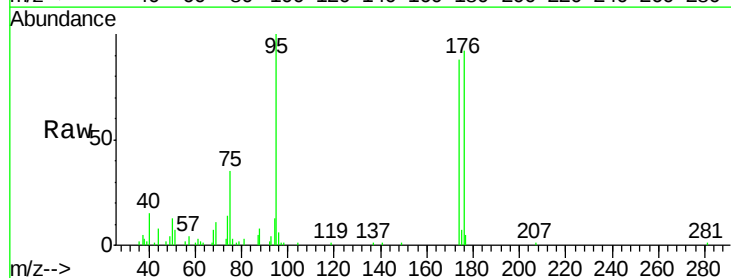
Tgt Ion: 95 Resp: 25007

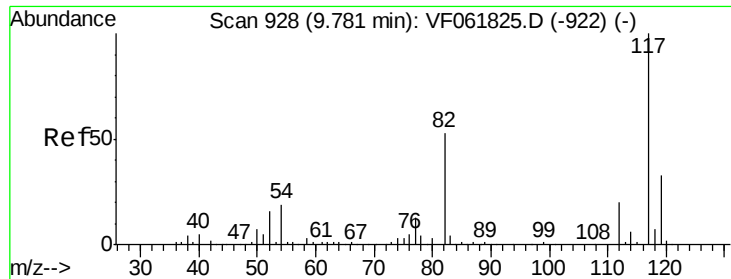
Ion Ratio Lower Upper

95 100

174 88.4 0.0 174.0

176 92.0 0.0 175.2

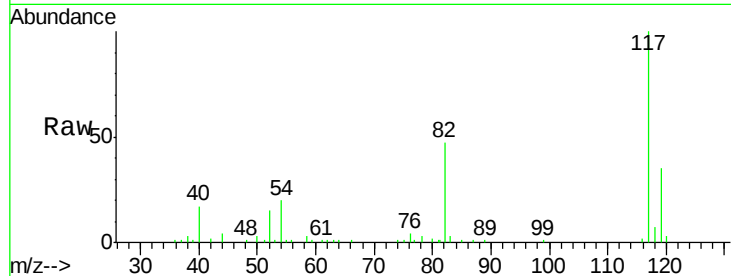




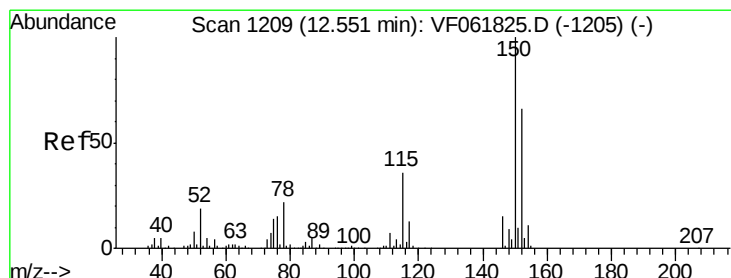
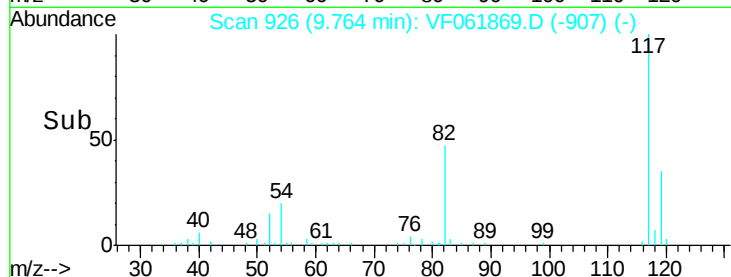
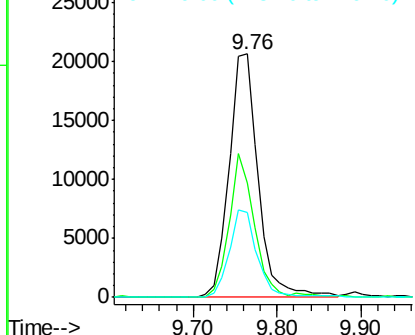
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Instrument :
MSVOA_F
ClientSampled :
TP-5

Tot Ion:117 Resp: 49528
Ion Ratio Lower Upper
117 100
82 47.2 42.6 63.8
119 34.9 26.0 39.0

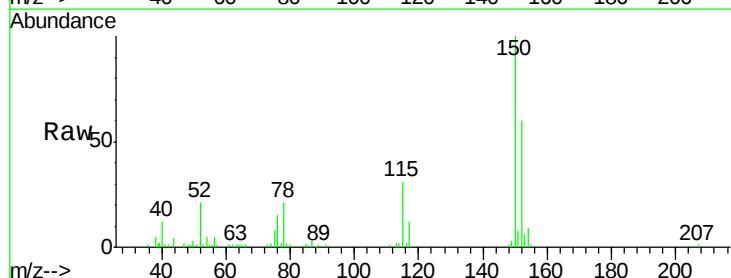


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF061869.D (-907) (-)
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion:152 Resp: 22998
Ion Ratio Lower Upper
152 100
115 51.9 27.7 83.1
150 166.7 0.0 304.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): VF061869.D (-1188) (-)
Ion 150.00 (149.70 to 150.70): V

