

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059422.D
 Acq On : 3 Jul 2018 19:53
 Operator : VA/AP
 Sample : J3845-06
 Misc : 5.09g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GF-G-2

Quant Time: Jul 04 02:00:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	4216	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.72	114	4276	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	3239	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	1068	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.98	65	1169	21.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	42.92%	
35) Dibromofluoromethane	4.26	113	1175	37.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	75.22%	
50) Toluene-d8	7.68	98	4269	55.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.38%	
62) 4-Bromofluorobenzene	11.42	95	137	3.14	ug/l	-0.08
Spiked Amount	50.000		Recovery	=	6.28%	

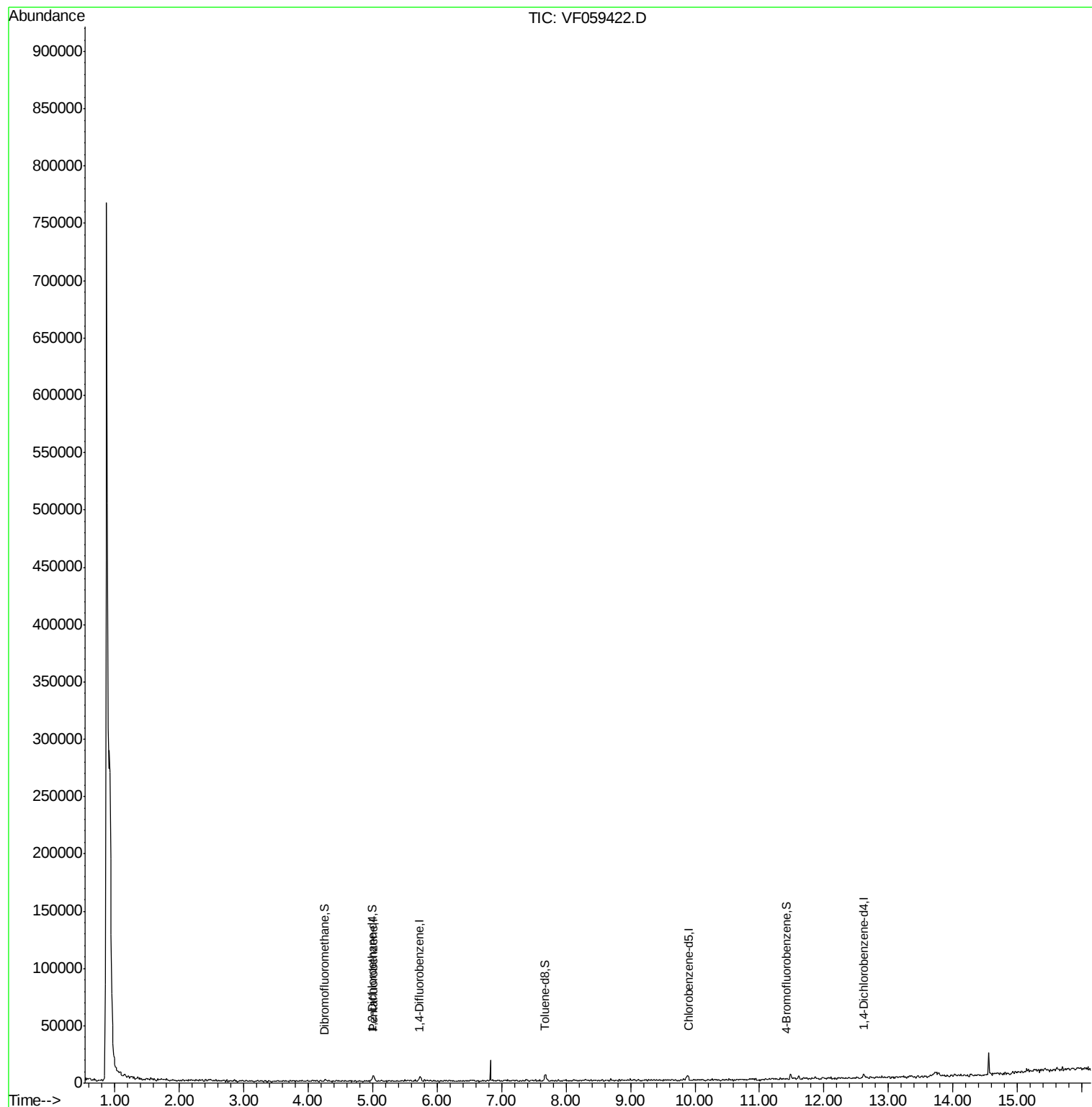
Target Compounds	Qvalue

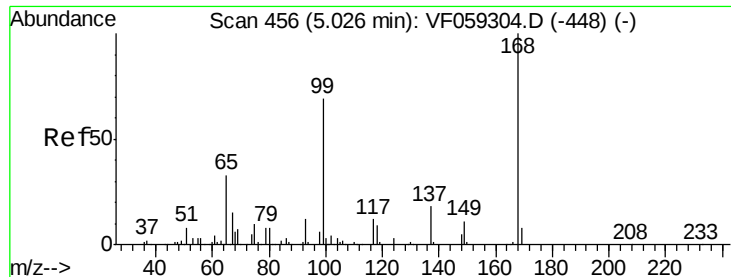
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059422.D

Acq: 3 Jul 2018 19:53

Instrument :

MSVOA_F

ClientSampled :

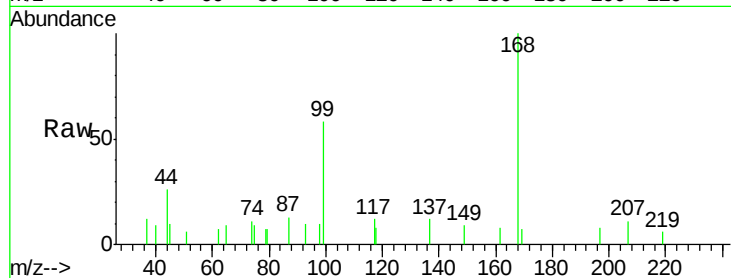
GF-G-2

Tot Ion:168 Resp: 4216

Ion Ratio Lower Upper

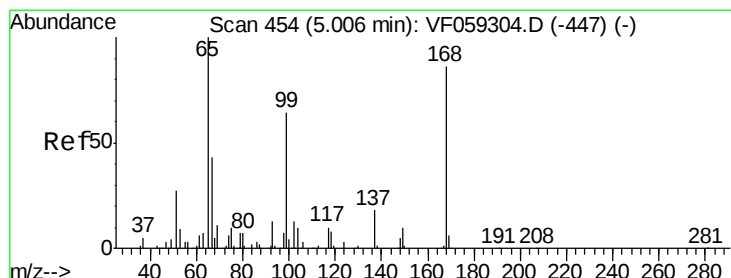
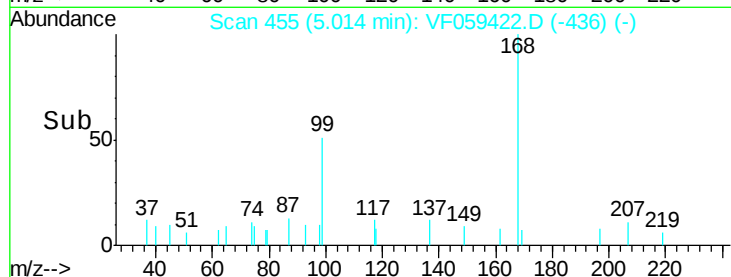
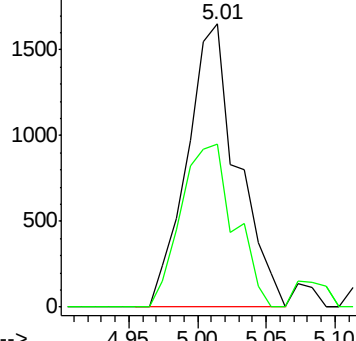
168 100

99 57.8 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 21.461 ug/l

RT: 4.98 min Scan# 452

Delta R.T. -0.02 min

Lab File: VF059422.D

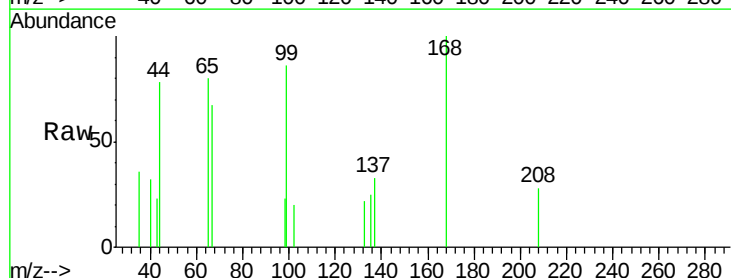
Acq: 3 Jul 2018 19:53

Tgt Ion: 65 Resp: 1169

Ion Ratio Lower Upper

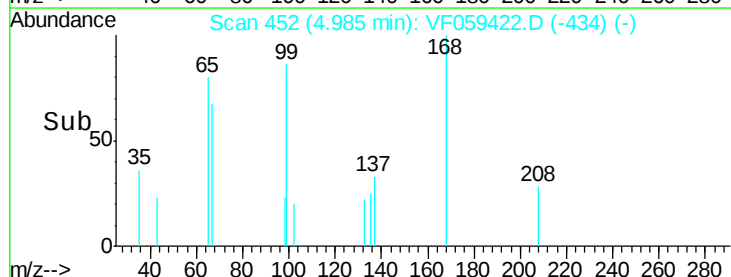
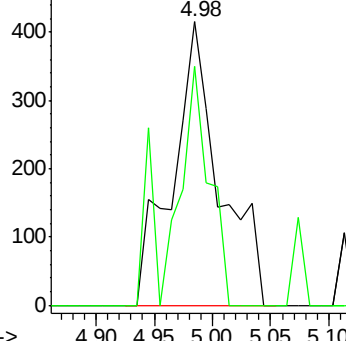
65 100

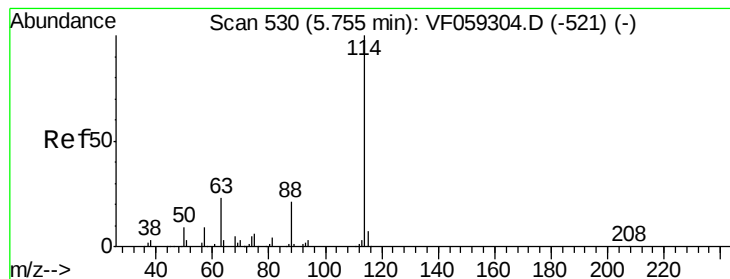
67 84.1 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.72 min Scan# 527

Delta R.T. -0.03 min

Lab File: VF059422.D

Acq: 3 Jul 2018 19:53

Instrument :

MSVOA_F

ClientSampleId :

GF-G-2

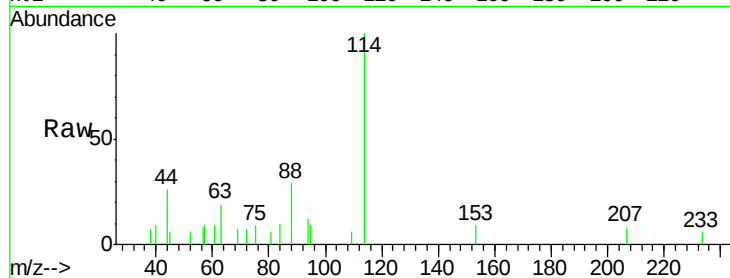
Tot Ion:114 Resp: 4276

Ion Ratio Lower Upper

114 100

63 19.0 0.0 45.8

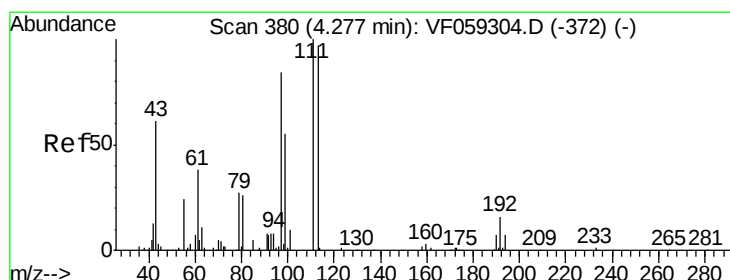
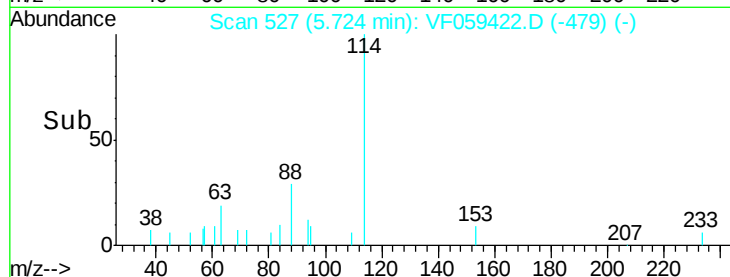
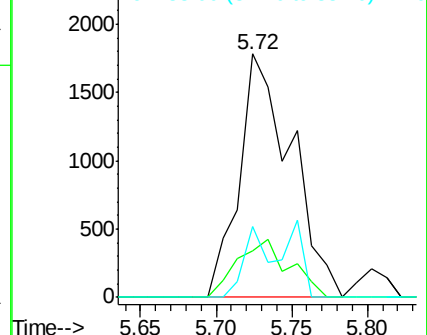
88 29.1 0.0 41.2



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: 37.608 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059422.D

Acq: 3 Jul 2018 19:53

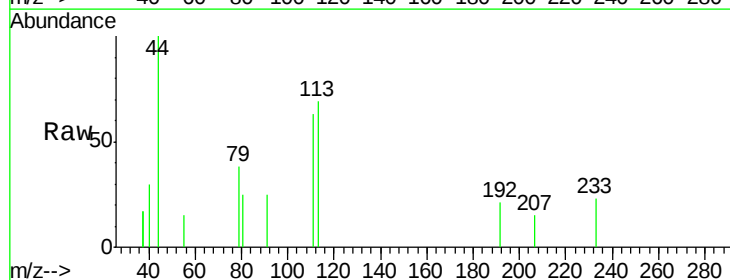
Tgt Ion:113 Resp: 1175

Ion Ratio Lower Upper

113 100

111 91.7 82.1 123.1

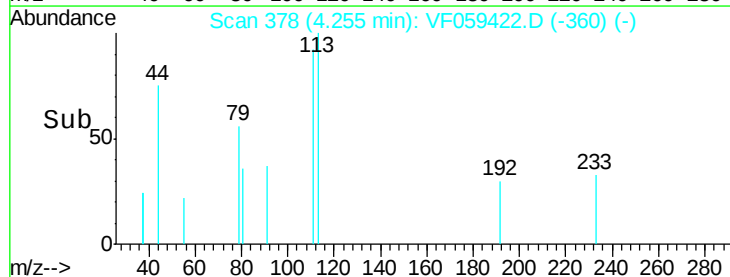
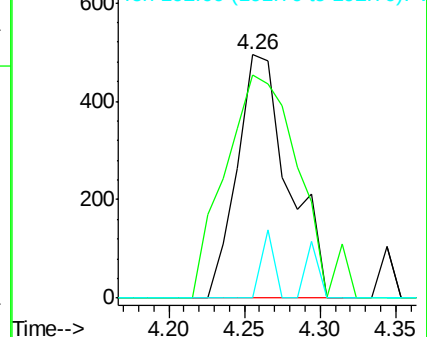
192 0.0 13.0 19.6#

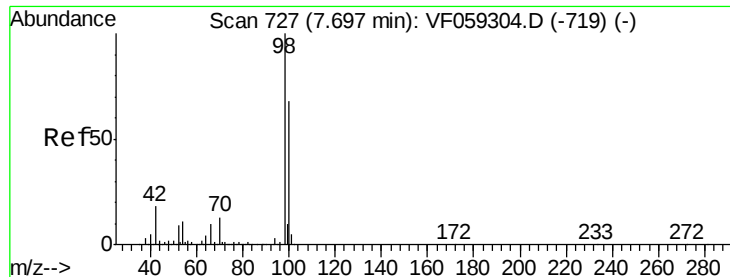


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 55.187 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.02 min

Lab File: VF059422.D

Acq: 3 Jul 2018 19:53

Instrument :

MSVOA_F

ClientSampleId :

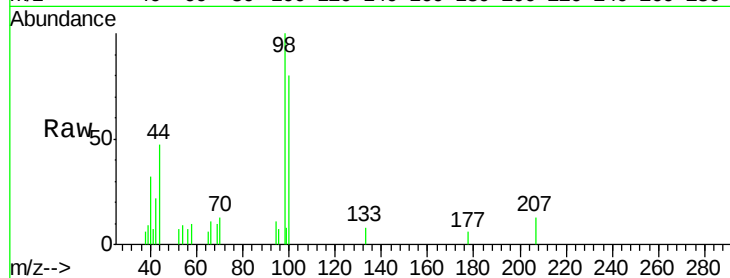
GF-G-2

Tot Ion: 98 Resp: 4269

Ion Ratio Lower Upper

98 100

100 80.2 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.68

1500

1000

500

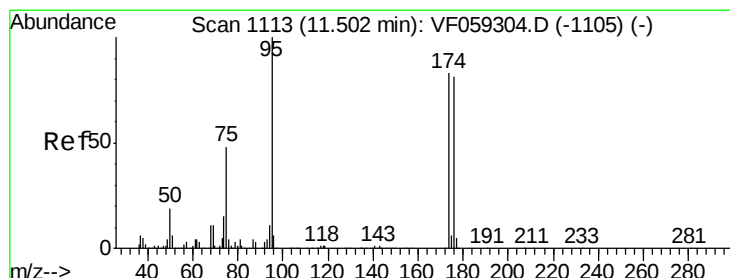
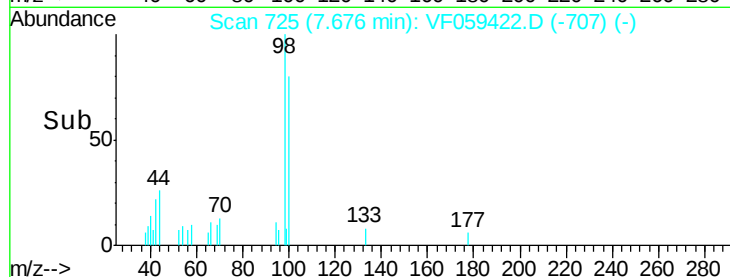
0

Time-->

7.60

7.70

7.80



#62

4-Bromofluorobenzene

Concen: 3.140 ug/l

RT: 11.42 min Scan# 1105

Delta R.T. -0.08 min

Lab File: VF059422.D

Acq: 3 Jul 2018 19:53

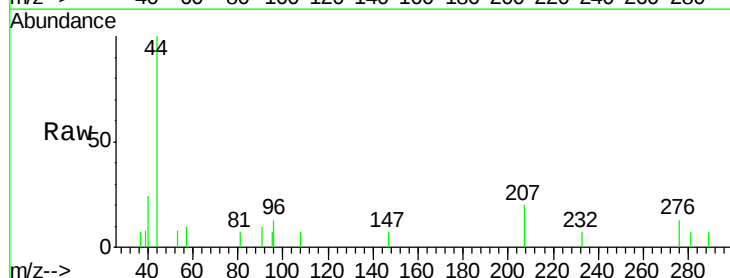
Tgt Ion: 95 Resp: 137

Ion Ratio Lower Upper

95 100

174 0.0 0.0 165.2

176 0.0 0.0 161.0



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

11.42

150

100

50

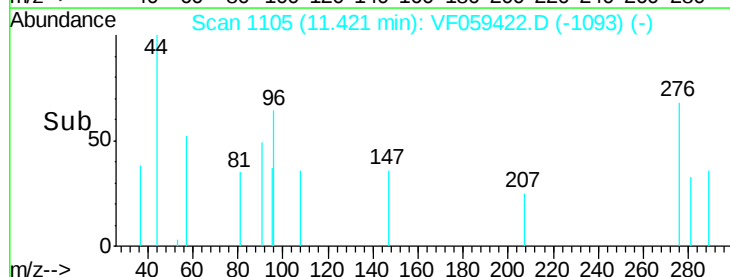
0

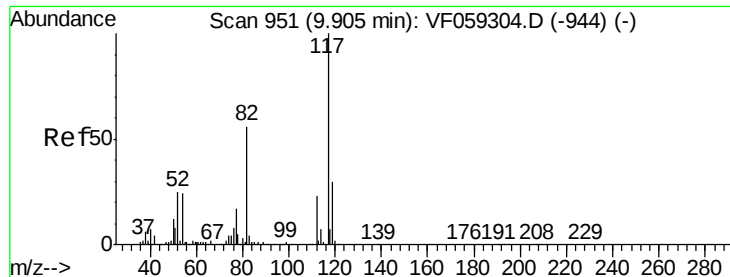
Time-->

11.40

11.42

11.44

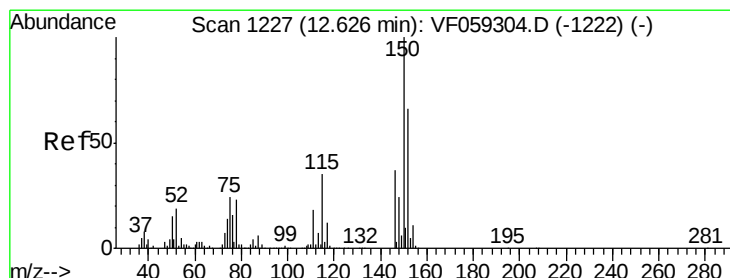
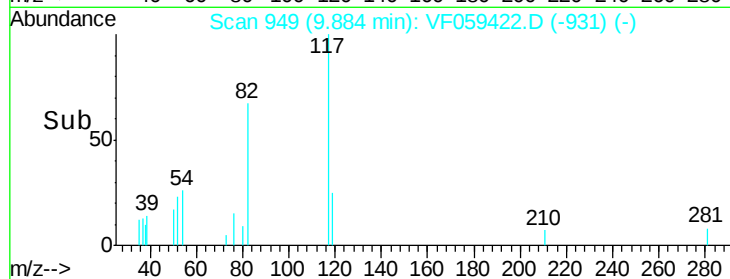
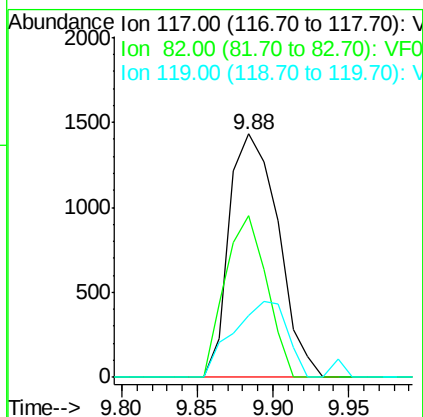
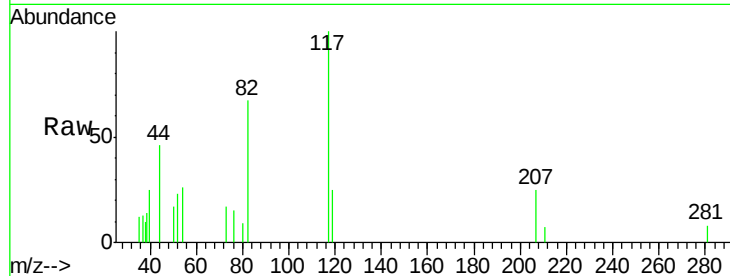




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 949
Delta R.T. -0.02 min
Lab File: VF059422.D
Acq: 3 Jul 2018 19:53

Instrument :
MSVOA_F
ClientSampleId :
GF-G-2

Tot Ion:117 Resp: 3239
Ion Ratio Lower Upper
117 100
82 66.6 44.6 66.8
119 25.5 24.1 36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059422.D
Acq: 3 Jul 2018 19:53

Tgt Ion:152 Resp: 1068
Ion Ratio Lower Upper
152 100
115 19.1 27.1 81.3#
150 123.5 0.0 305.2

