

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061381.D
 Acq On : 11 Jan 2019 21:27
 Operator : VA/AP
 Sample : K1081-01
 Misc : 6.50µ/5mL/MSVOA-F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-3A-G-1-010819

Quant Time: Jan 12 04:44:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

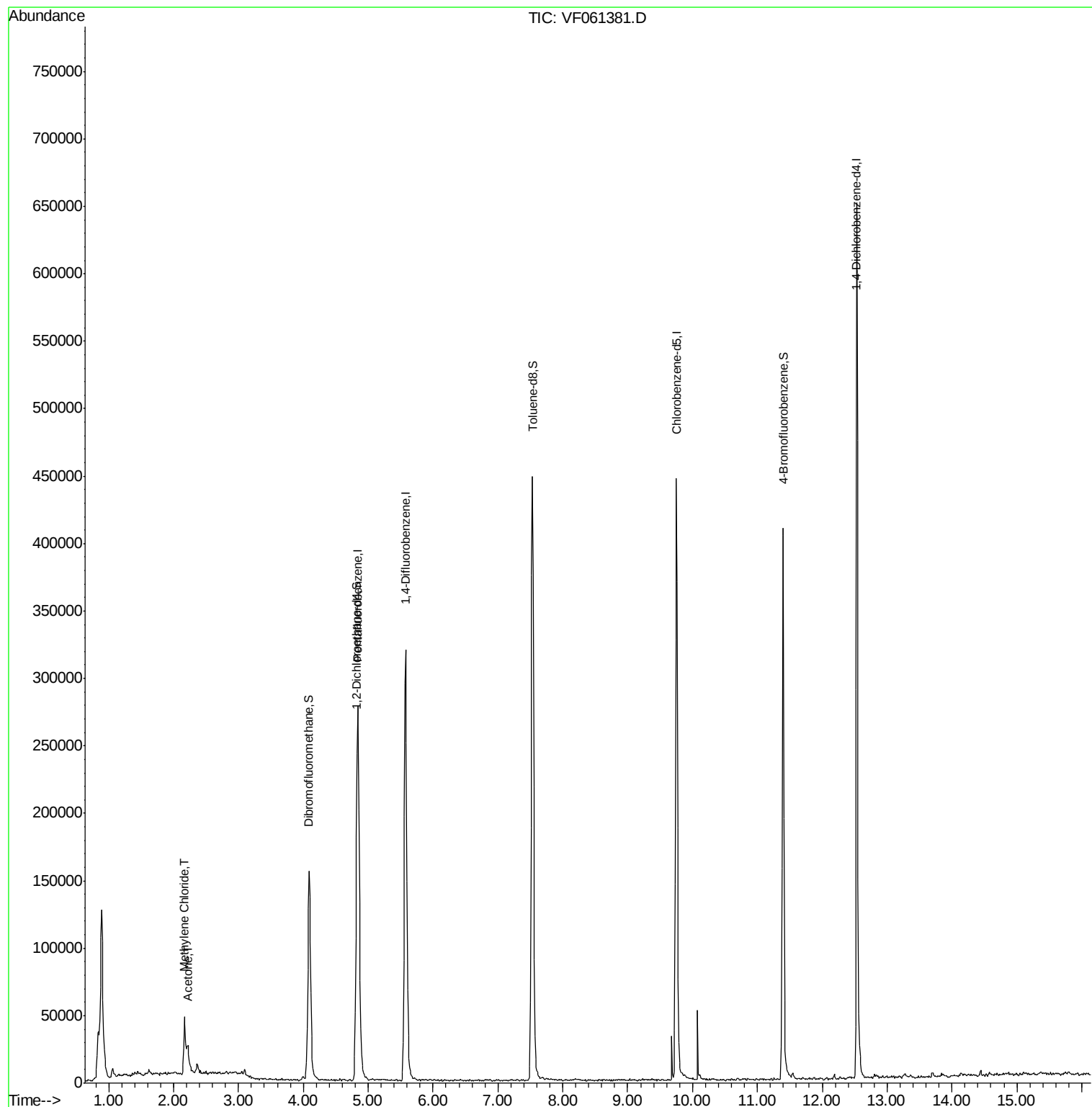
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	195295	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	364780	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	320004	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	155230	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	116715	53.69	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	107.38%	
35) Dibromofluoromethane	4.09	113	143010	51.24	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	7.53	98	384281	46.52	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	93.04%	
62) 4-Bromofluorobenzene	11.40	95	175682	48.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.42%	
Target Compounds						
16) Acetone	2.22	43	9450	18.688	ug/l	98
20) Methylene Chloride	2.17	84	28062	13.118	ug/l	93

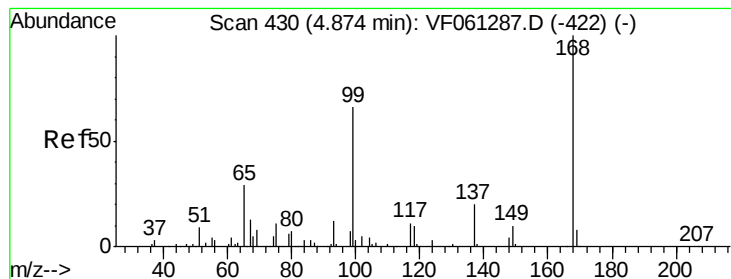
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

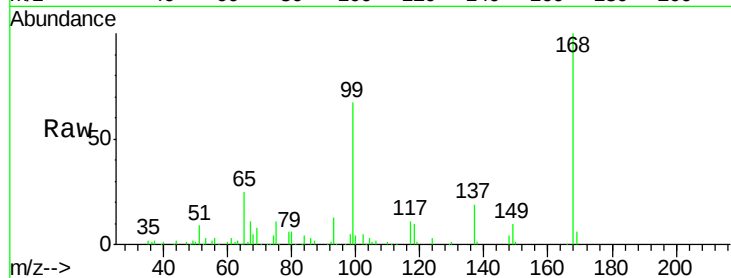
SUP-3A-G-1-010819

Tot Ion:168 Resp: 195295

Ion Ratio Lower Upper

168 100

99 66.7 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

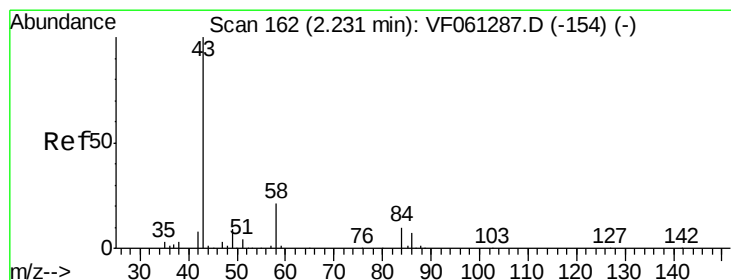
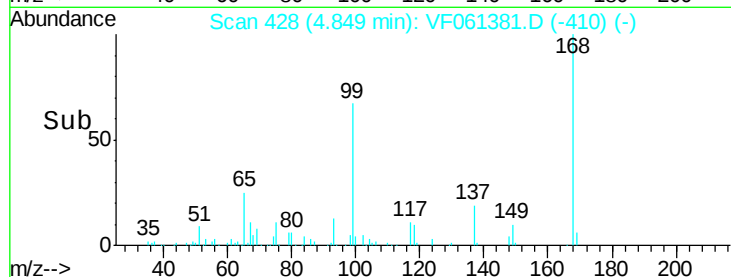
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 18.688 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061381.D

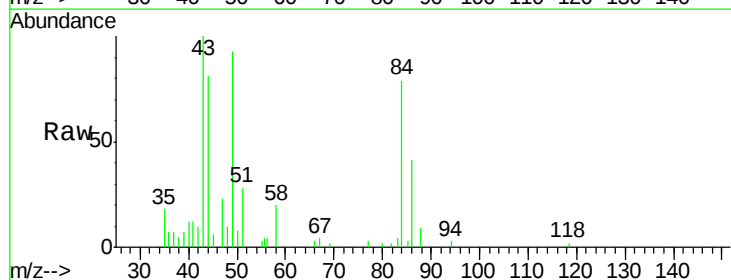
Acq: 11 Jan 2019 21:27

Tgt Ion: 43 Resp: 9450

Ion Ratio Lower Upper

43 100

58 20.1 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.22

5000

4000

3000

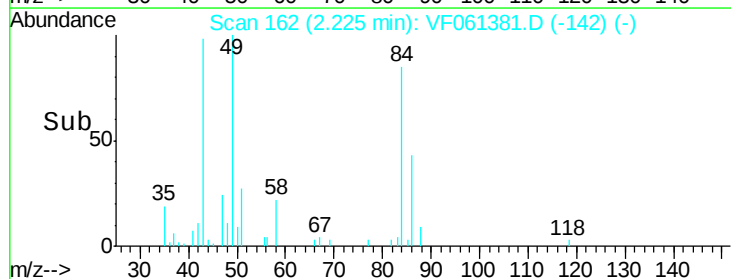
2000

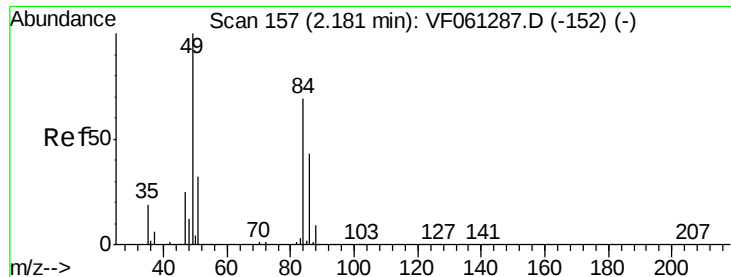
1000

0

Time-->

2.20 2.30





#20

Methylene Chloride

Concen: 13.118 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

SUP-3A-G-1-010819

Tot Ion: 84 Resp: 28062

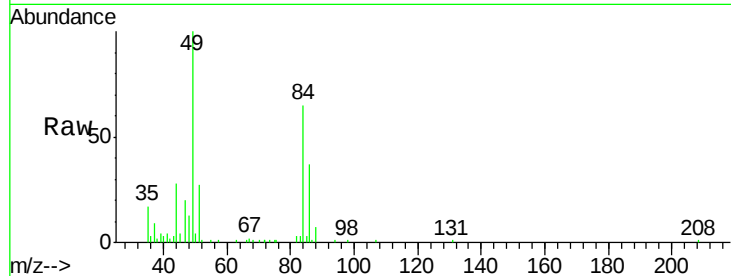
Ion Ratio Lower Upper

84 100

49 154.5 116.6 175.0

51 42.5 37.7 56.5

86 56.5 49.8 74.8

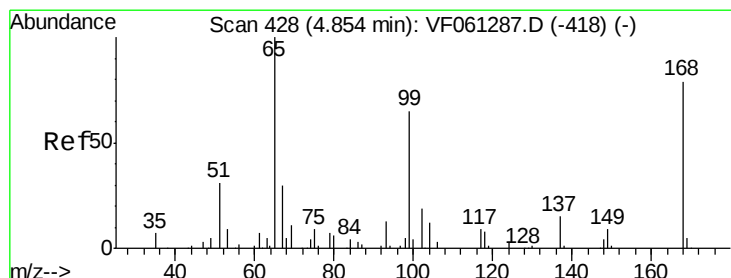
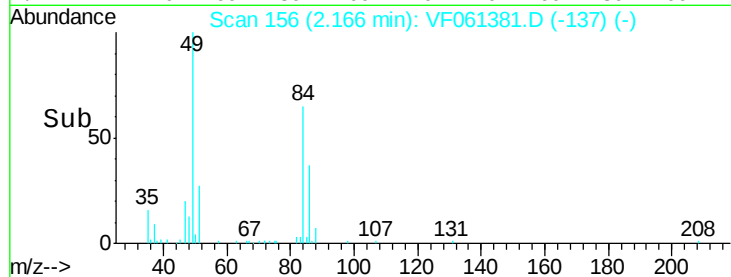
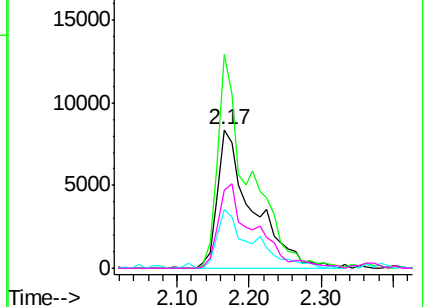


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 53.693 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061381.D

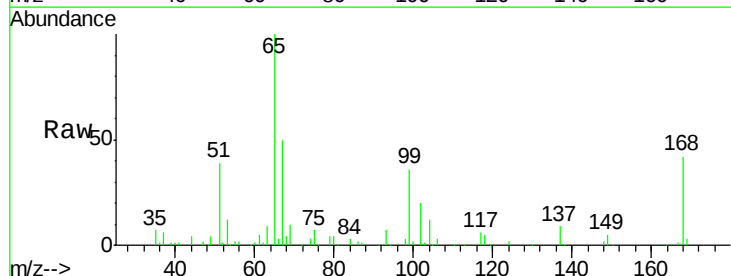
Acq: 11 Jan 2019 21:27

Tgt Ion: 65 Resp: 116715

Ion Ratio Lower Upper

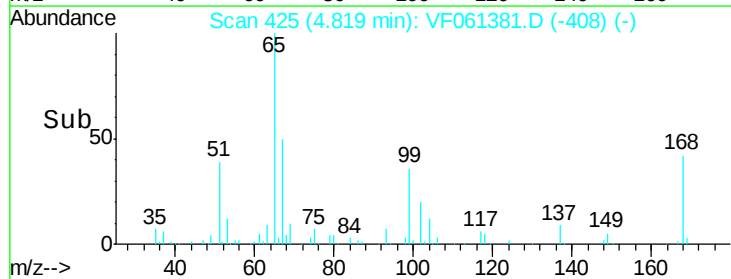
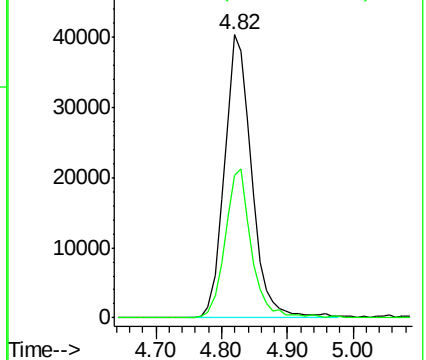
65 100

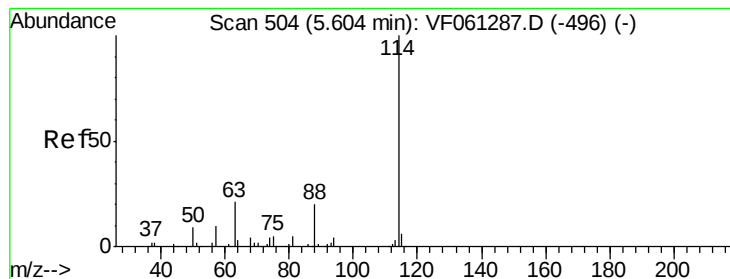
67 50.5 0.0 98.2



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: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

SUP-3A-G-1-010819

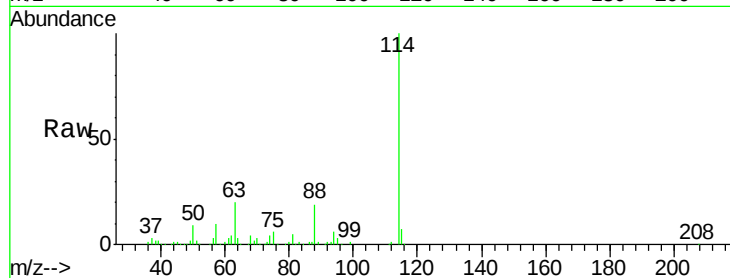
Tot Ion:114 Resp: 364780

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

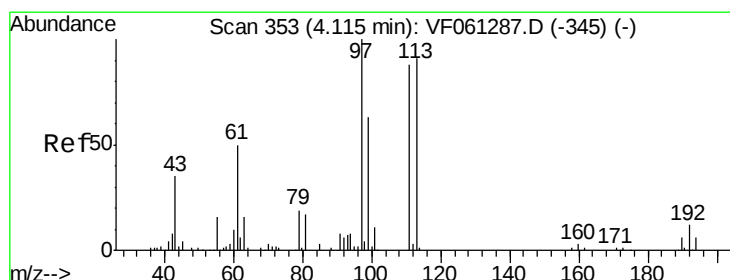
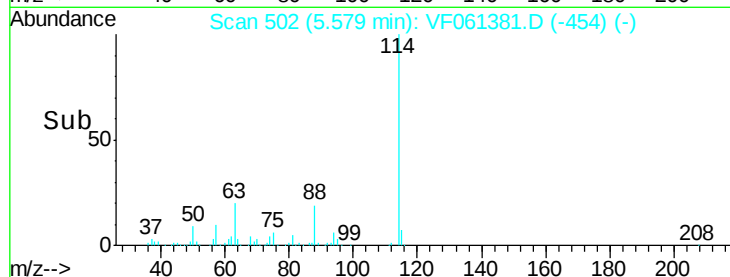
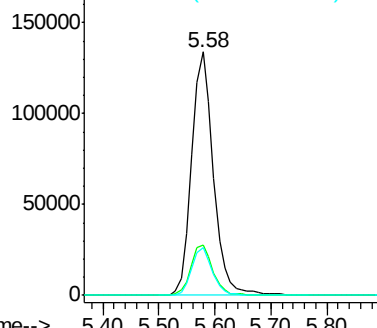
88 19.4 0.0 40.0



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: 51.237 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

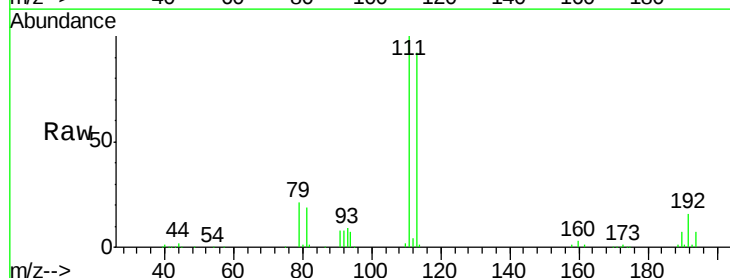
Tgt Ion:113 Resp: 143010

Ion Ratio Lower Upper

113 100

111 109.1 78.0 117.0

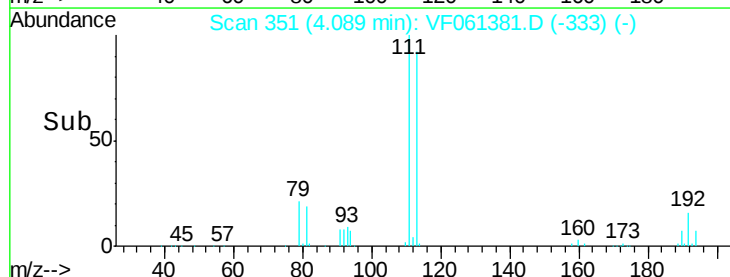
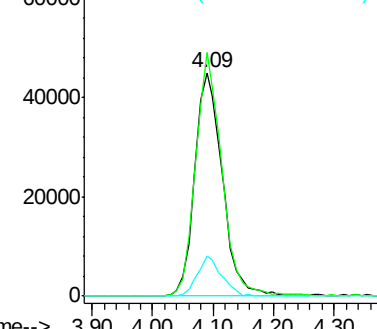
192 17.8 10.6 16.0#

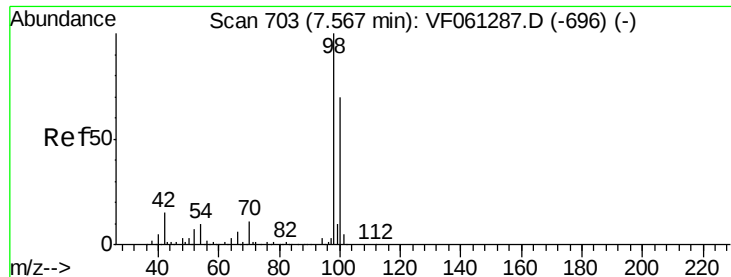


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

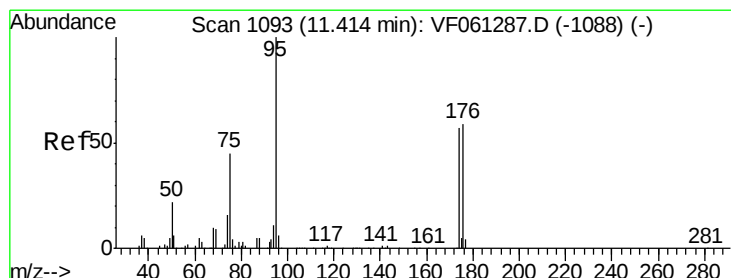
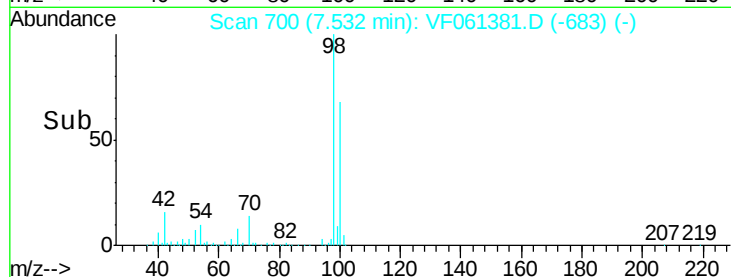
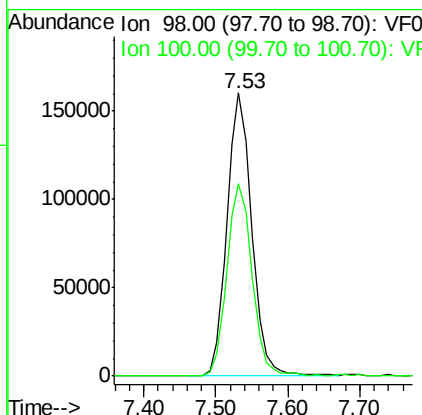
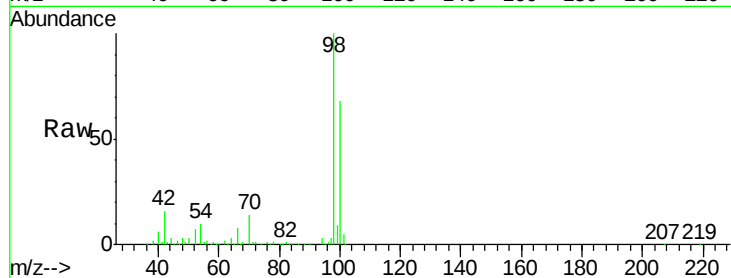




#50
Toluene-d8
Concen: 46.524 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.04 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

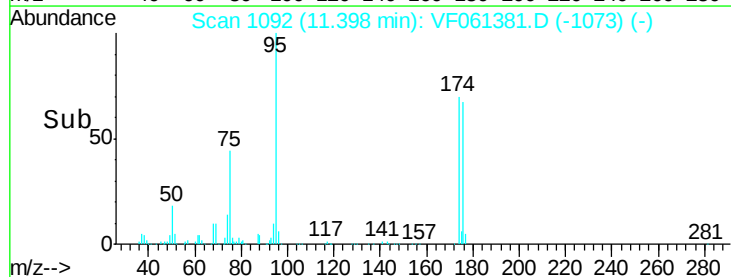
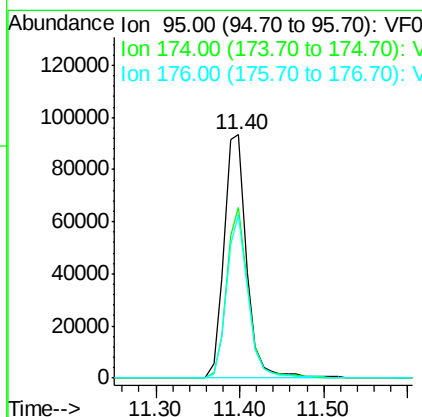
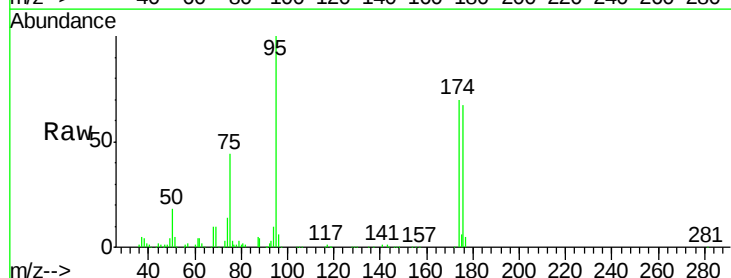
Instrument :
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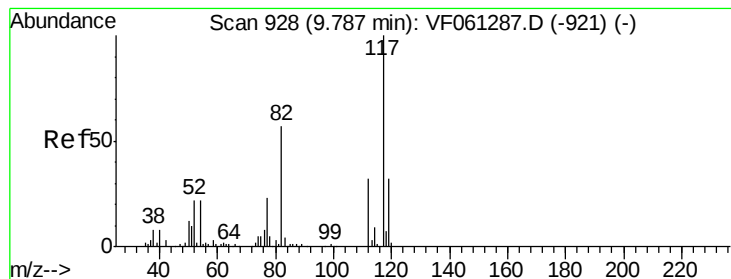
Tot Ion: 98 Resp: 384281
Ion Ratio Lower Upper
98 100
100 67.9 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 48.710 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061381.D
Acq: 11 Jan 2019 21:27

Tgt Ion: 95 Resp: 175682
Ion Ratio Lower Upper
95 100
174 70.2 0.0 114.2
176 67.1 0.0 117.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

Instrument :

MSVOA_F

ClientSampleId :

SUP-3A-G-1-010819

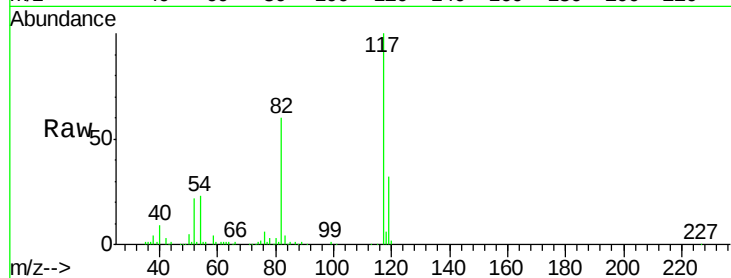
Tot Ion:117 Resp: 320004

Ion Ratio Lower Upper

117 100

82 59.9 45.3 67.9

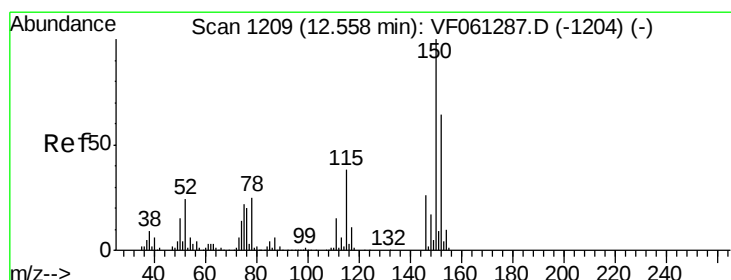
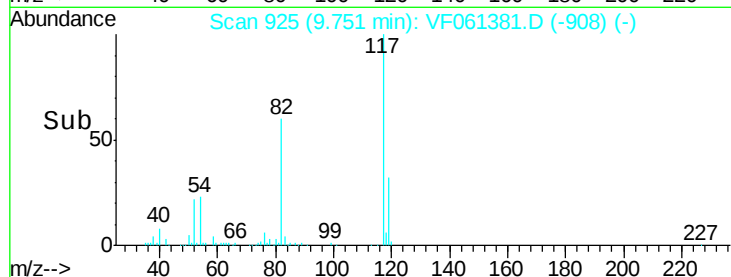
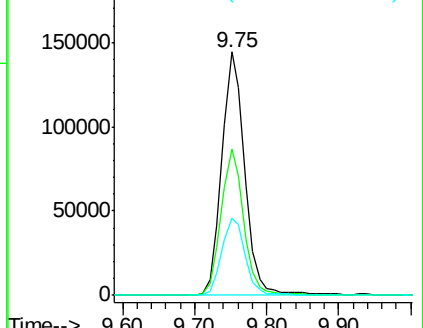
119 31.7 25.4 38.0



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: 12.53 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF061381.D

Acq: 11 Jan 2019 21:27

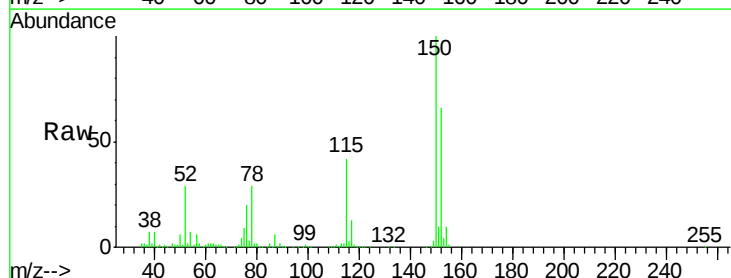
Tgt Ion:152 Resp: 155230

Ion Ratio Lower Upper

152 100

115 64.2 29.6 88.9

150 152.2 0.0 315.4



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

