

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059561.D
 Acq On : 19 Jul 2018 16:57
 Operator : VA/AP
 Sample : J4016-10
 Misc : 5.76g/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB3-L-8.5

Quant Time: Jul 20 05:13:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

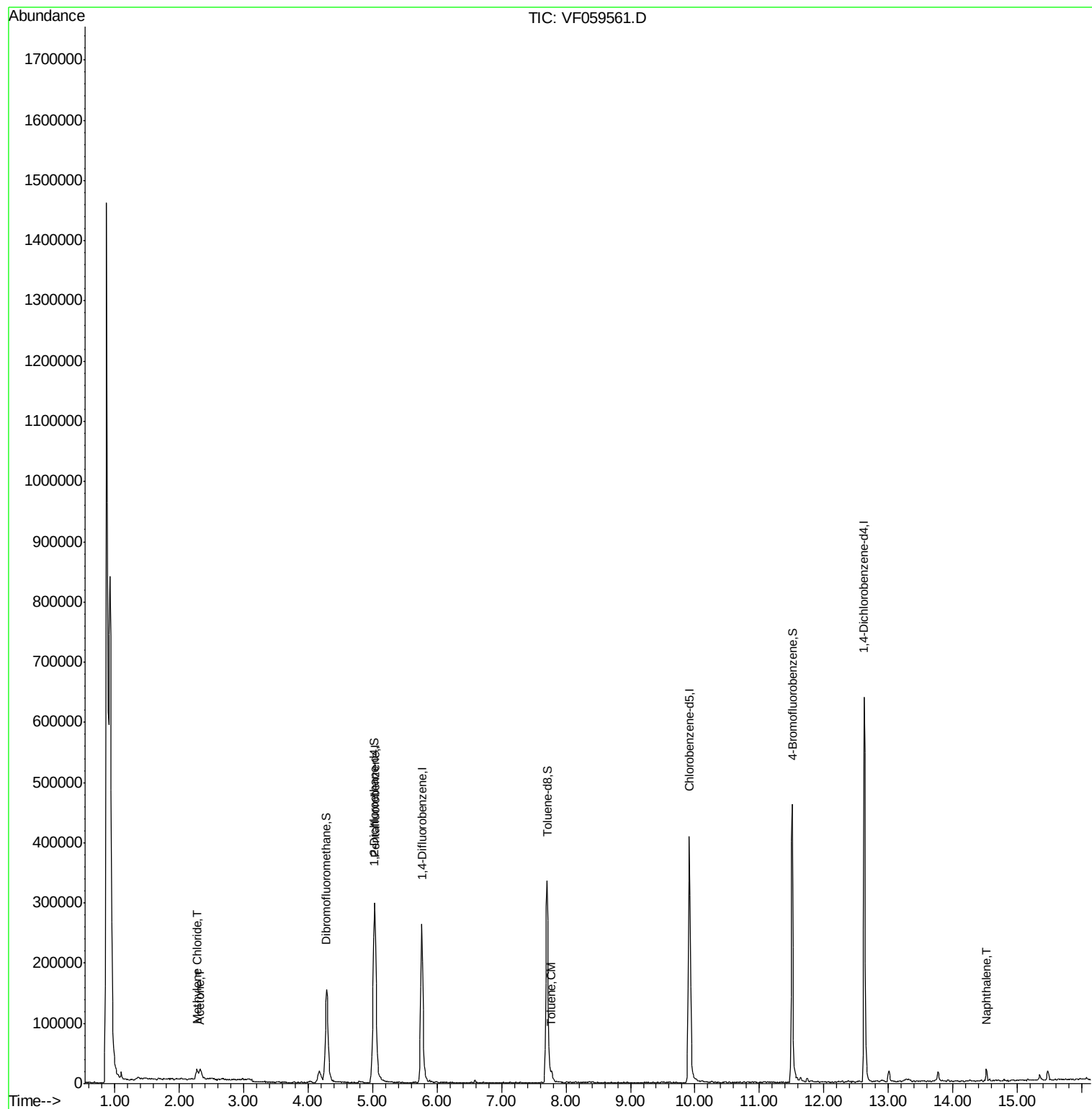
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	189248	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	263387	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	274152	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	167946	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	167228	56.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	113.64%	
35) Dibromofluoromethane	4.29	113	139328	61.08	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	122.16%	
50) Toluene-d8	7.71	98	278535	48.47	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.51	95	158698	52.65	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.30%	
Target Compounds						
16) Acetone	2.32	43	20818	22.25	ug/l #	92
20) Methylene Chloride	2.27	84	10316	3.51	ug/l #	85
52) Toluene	7.78	92	5386	1.45	ug/l	98
95) Naphthalene	14.52	128	13380	2.17	ug/l #	93

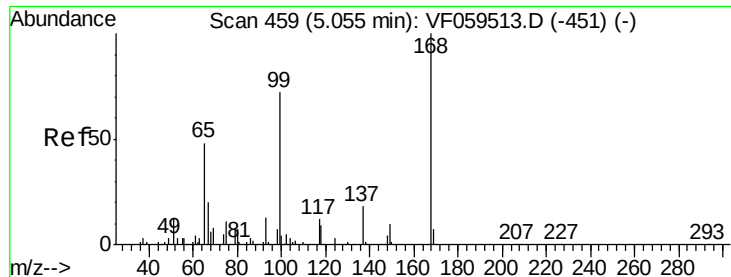
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059561.D

Acq: 19 Jul 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

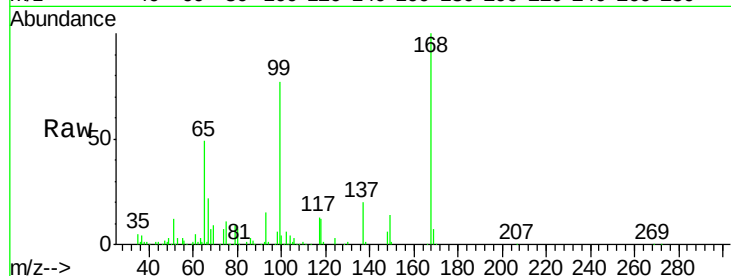
SB3-L-8.5

Tot Ion:168 Resp: 189248

Ion Ratio Lower Upper

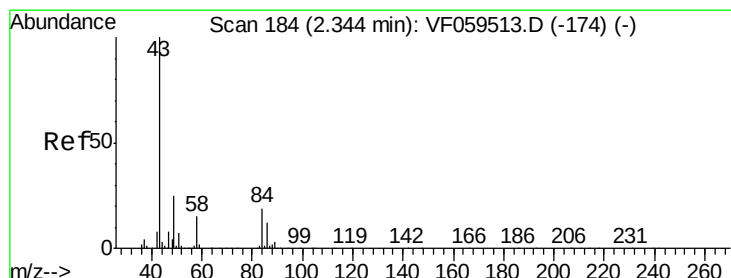
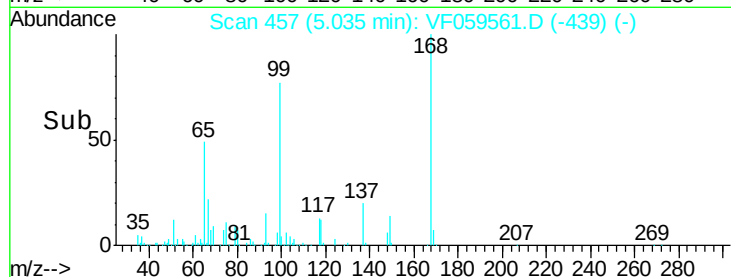
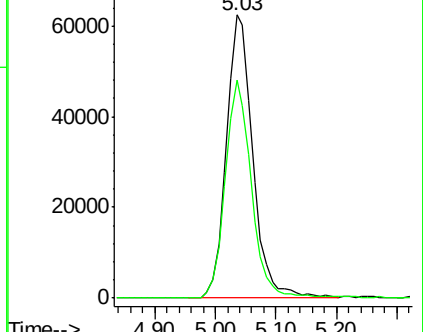
168 100

99 77.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 22.25 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059561.D

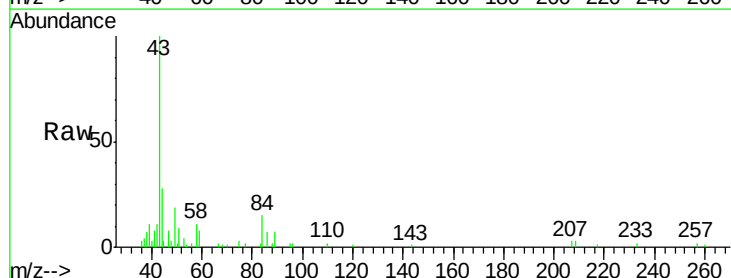
Acq: 19 Jul 2018 16:57

Tgt Ion: 43 Resp: 20818

Ion Ratio Lower Upper

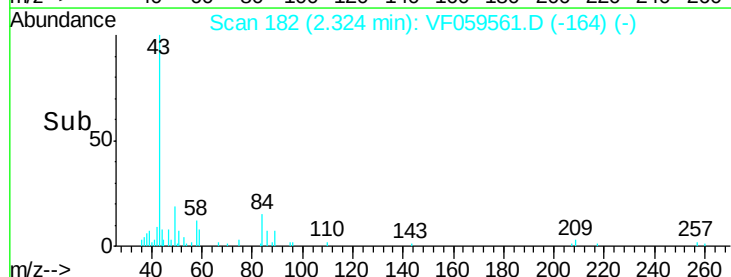
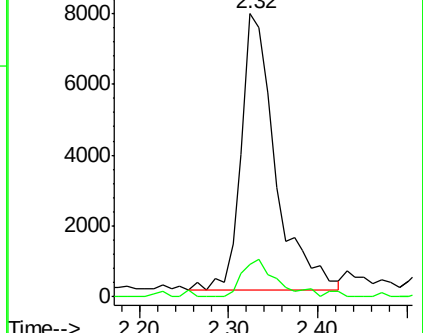
43 100

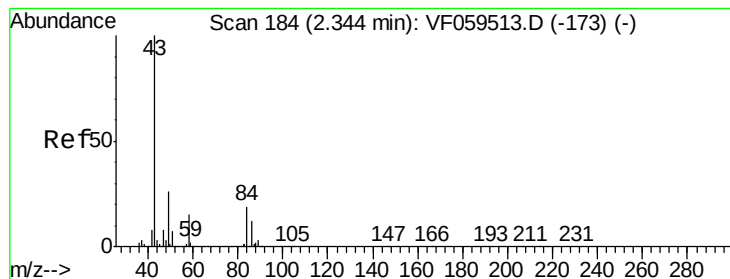
58 11.4 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: 3.51 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.07 min

Lab File: VF059561.D

Acq: 19 Jul 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

SB3-L-8.5

Tot Ion: 84 Resp: 10316

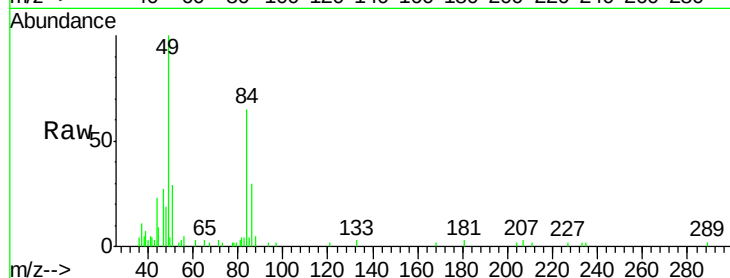
Ion Ratio Lower Upper

84 100

49 154.6 109.4 164.2

51 45.3 30.5 45.7

86 46.4 47.6 71.4#

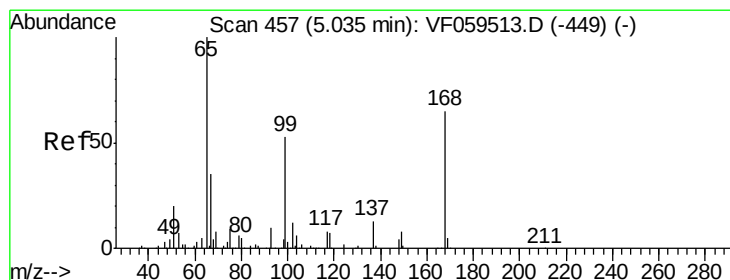
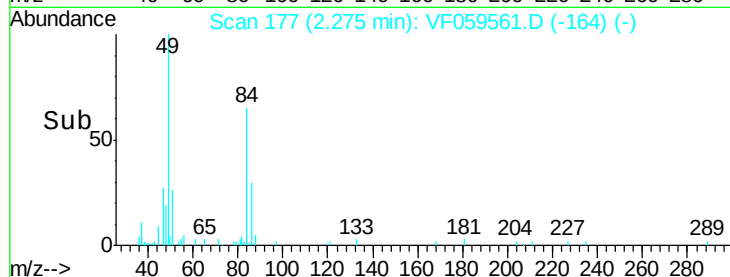
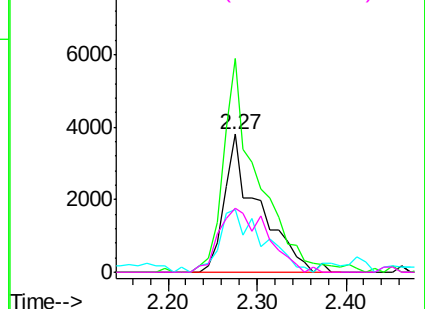


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 56.82 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059561.D

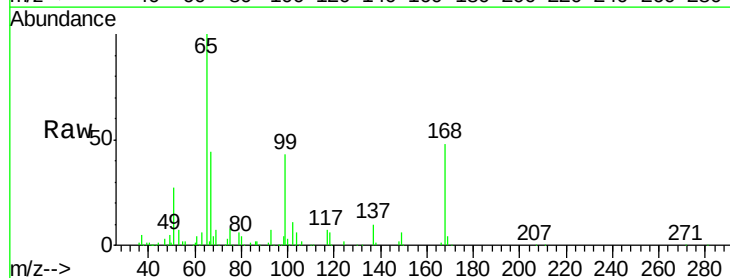
Acq: 19 Jul 2018 16:57

Tgt Ion: 65 Resp: 167228

Ion Ratio Lower Upper

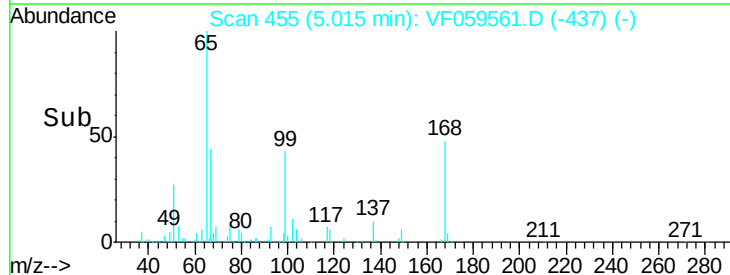
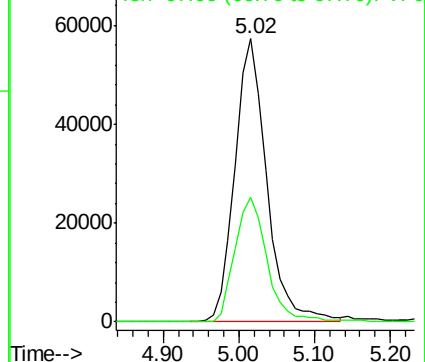
65 100

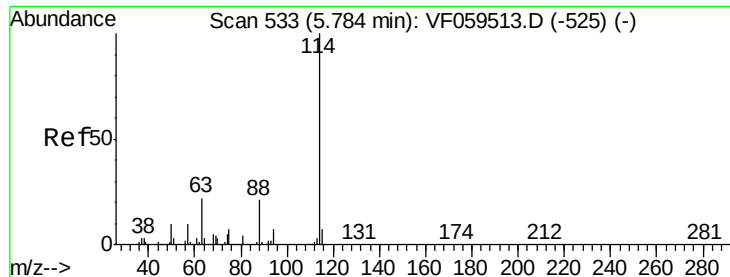
67 44.0 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

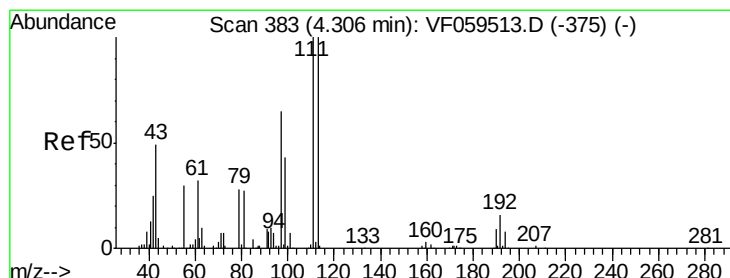
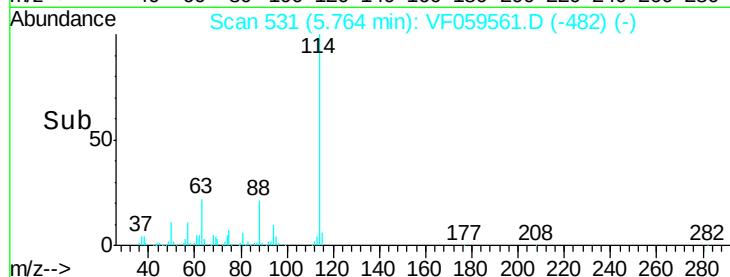
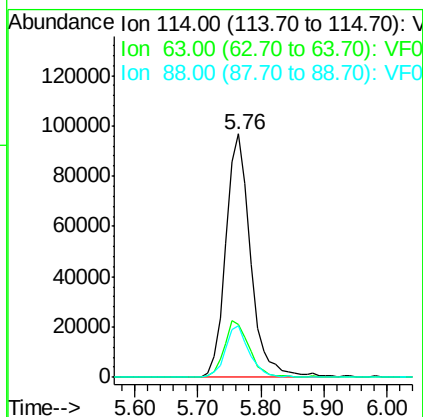
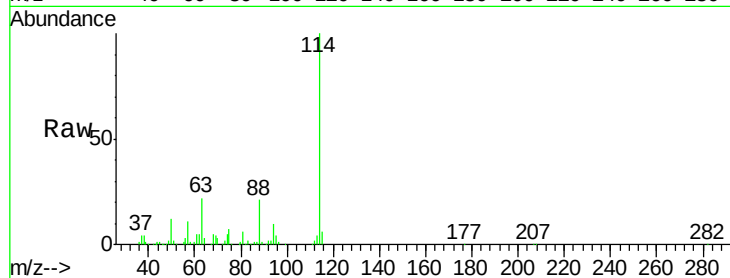




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.02 min
Lab File: VF059561.D
Acq: 19 Jul 2018 16:57

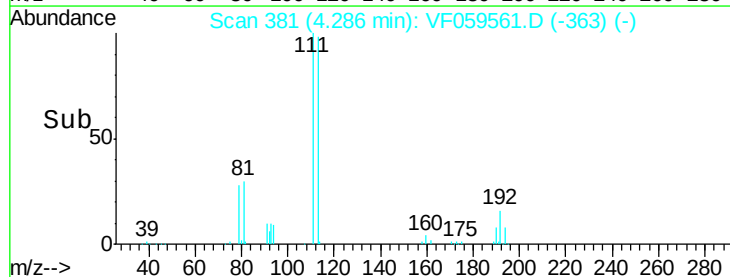
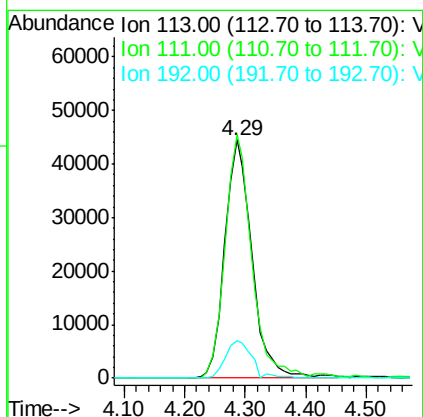
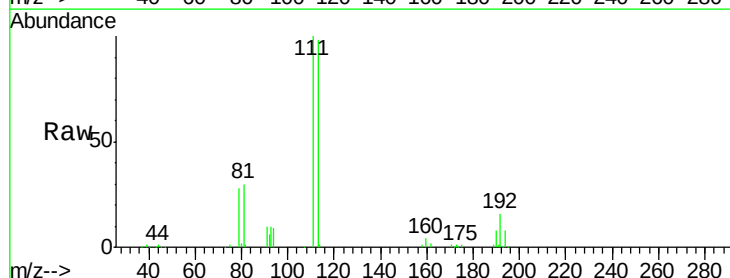
Instrument :
MSVOA_F
ClientSampleId :
SB3-L-8.5

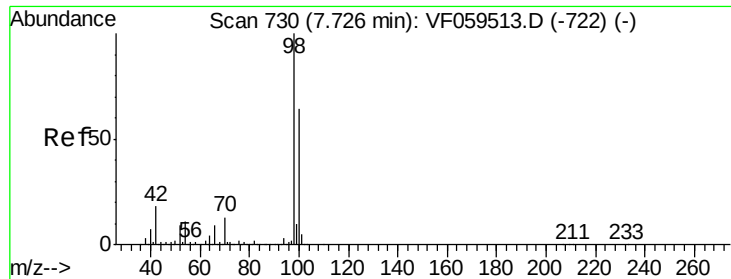
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.8
88	21.2	0.0	42.6



#35
Dibromofluoromethane
Concen: 61.08 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF059561.D
Acq: 19 Jul 2018 16:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.3	120.5
192	16.0	13.1	19.7

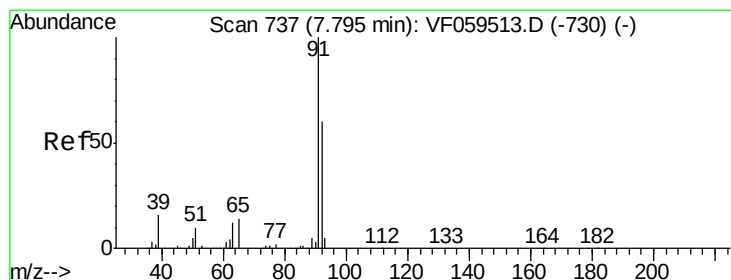
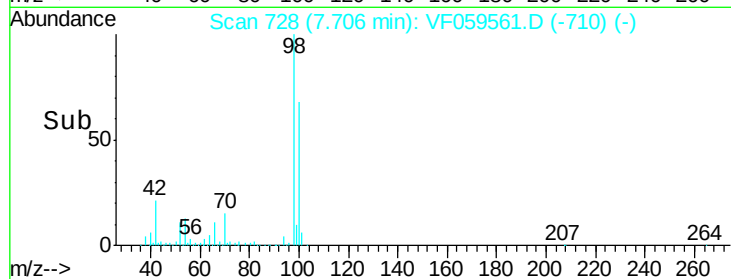
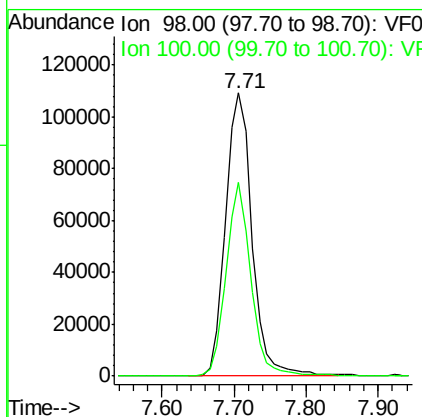
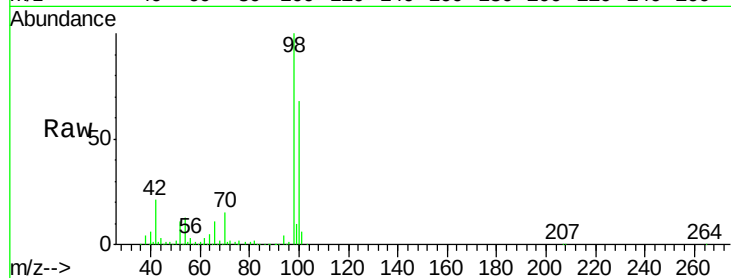




#50
Toluene-d8
Concen: 48.47 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059561.D
Acq: 19 Jul 2018 16:57

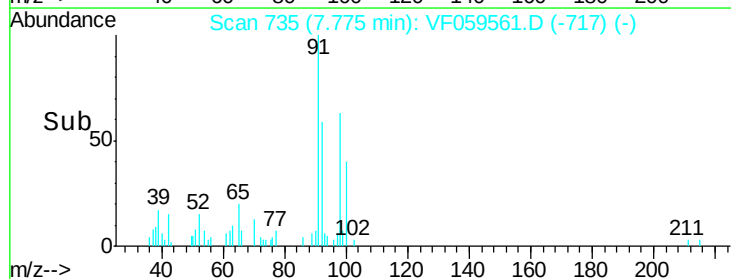
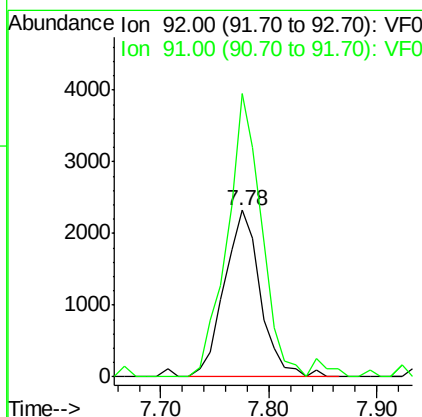
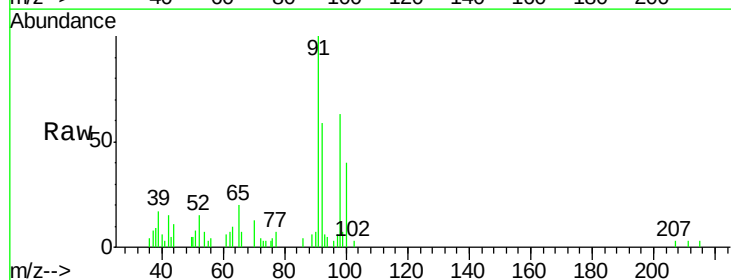
Instrument :
MSVOA_F
ClientSampleId :
SB3-L-8.5

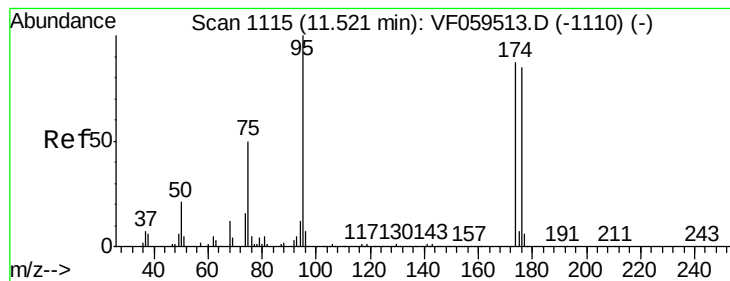
Tot Ion: 98 Resp: 278535
Ion Ratio Lower Upper
98 100
100 68.3 50.9 76.3



#52
Toluene
Concen: 1.45 ug/l
RT: 7.78 min Scan# 735
Delta R.T. -0.02 min
Lab File: VF059561.D
Acq: 19 Jul 2018 16:57

Tgt Ion: 92 Resp: 5386
Ion Ratio Lower Upper
92 100
91 170.0 134.2 201.4





#62

4-Bromofluorobenzene

Concen: 52.65 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF059561.D

Acq: 19 Jul 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

SB3-L-8.5

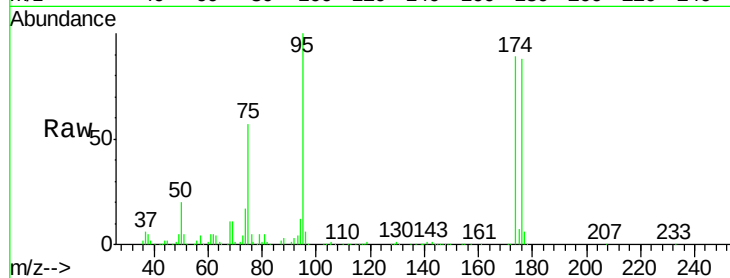
Tot Ion: 95 Resp: 158698

Ion Ratio Lower Upper

95 100

174 89.3 0.0 174.4

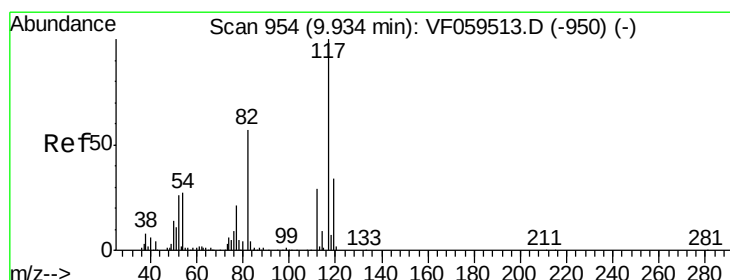
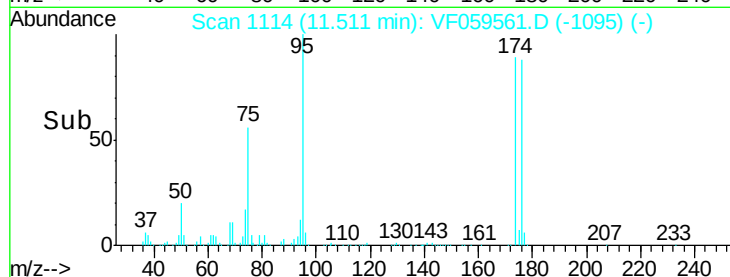
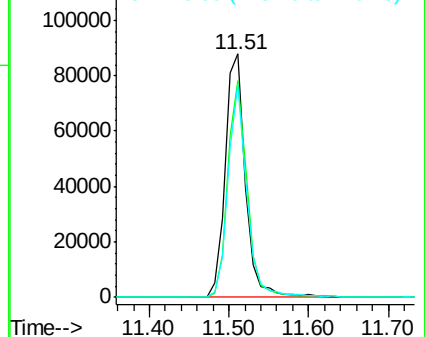
176 87.6 0.0 169.4



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: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF059561.D

Acq: 19 Jul 2018 16:57

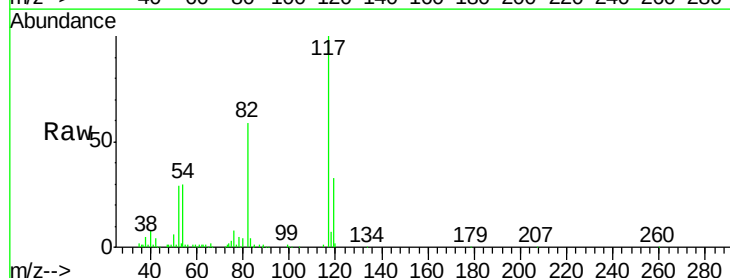
Tgt Ion: 117 Resp: 274152

Ion Ratio Lower Upper

117 100

82 59.4 46.1 69.1

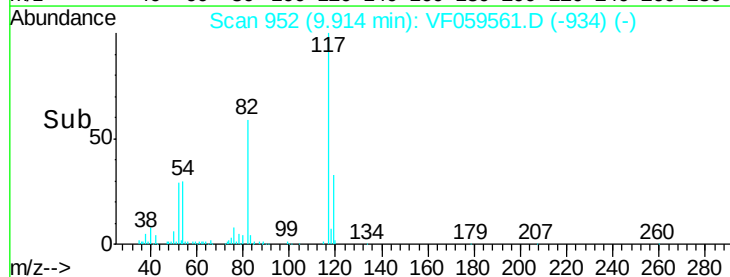
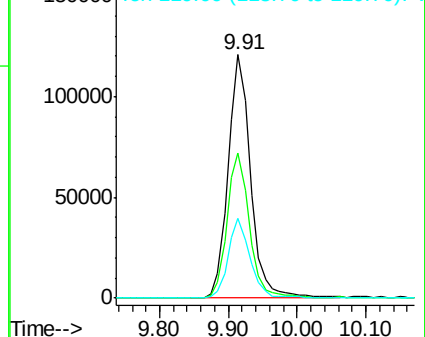
119 32.7 27.2 40.8

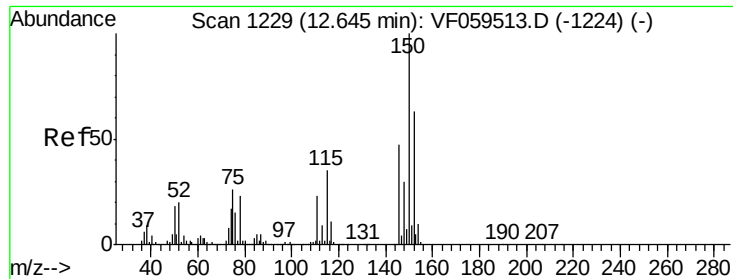


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059561.D

Acq: 19 Jul 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

SB3-L-8.5

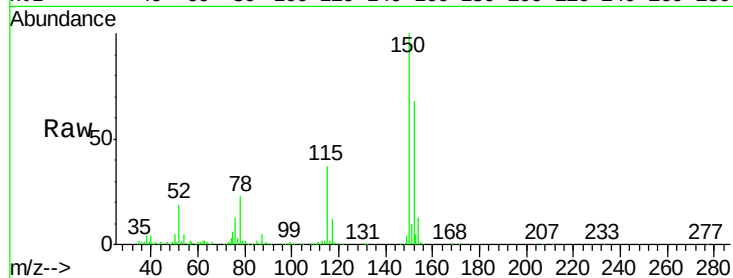
Tot Ion:152 Resp: 167946

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.3

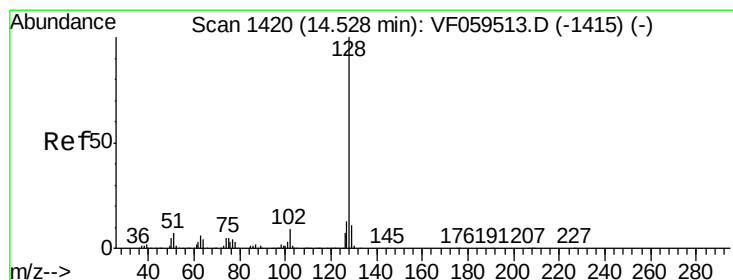
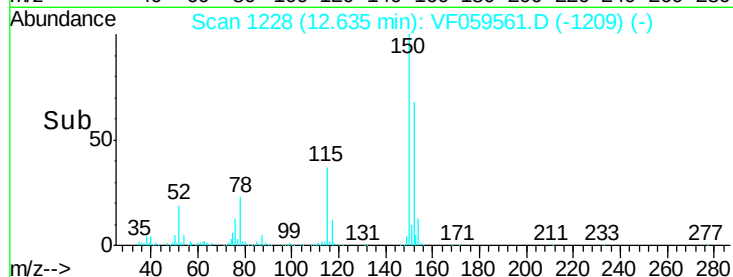
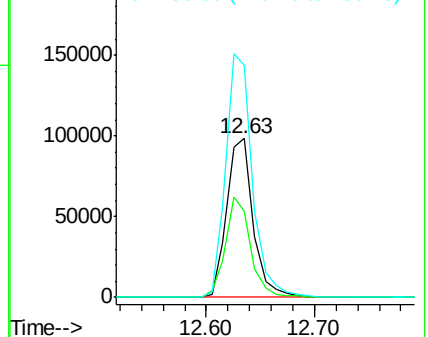
150 146.2 0.0 318.4



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



#95

Naphthalene

Concen: 2.17 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059561.D

Acq: 19 Jul 2018 16:57

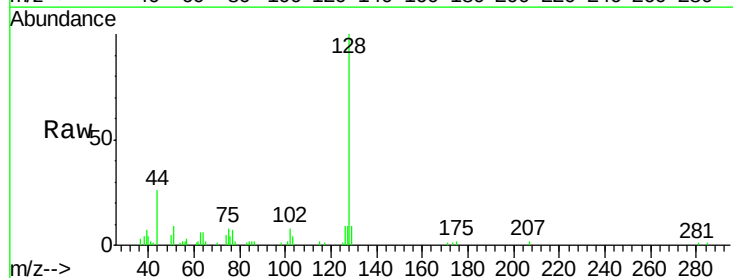
Tgt Ion:128 Resp: 13380

Ion Ratio Lower Upper

128 100

127 9.2 10.2 15.2#

129 9.0 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

