

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059524.D
 Acq On : 18 Jul 2018 20:49
 Operator : VA/AP
 Sample : J3832-03
 Misc : 6.45g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TR-04-071618

Quant Time: Jul 19 05:21:44 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	5.01	168	228947	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.74	114	336770	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	307647	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	159839	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	174766	49.08	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	98.16%	
35) Dibromofluoromethane	4.27	113	149347	51.20	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.40%	
50) Toluene-d8	7.69	98	285581	38.87	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	77.74%	
62) 4-Bromofluorobenzene	11.50	95	157803	40.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.88%	

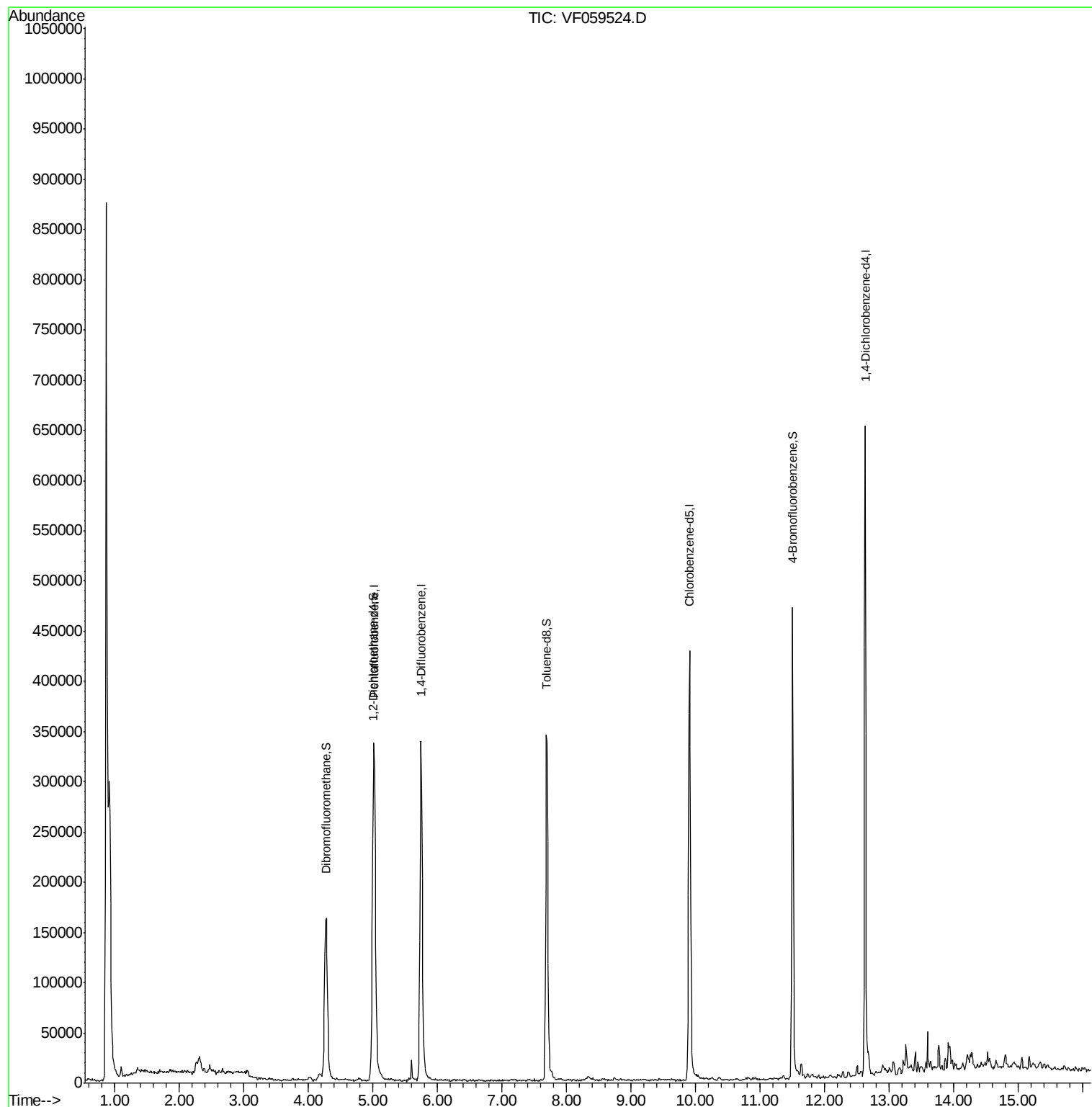
Target Compounds	Qvalue
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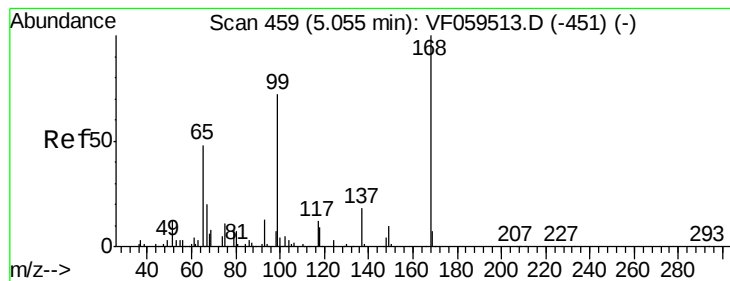
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

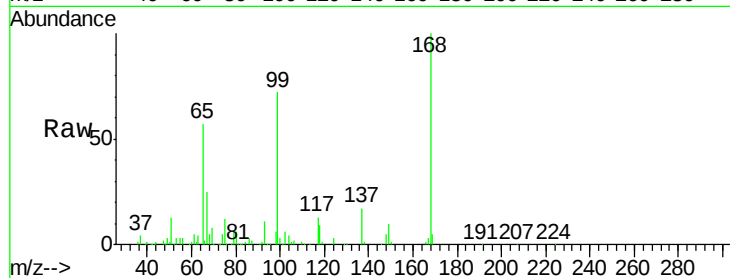
TR-04-071618

Tot Ion:168 Resp: 228947

Ion Ratio Lower Upper

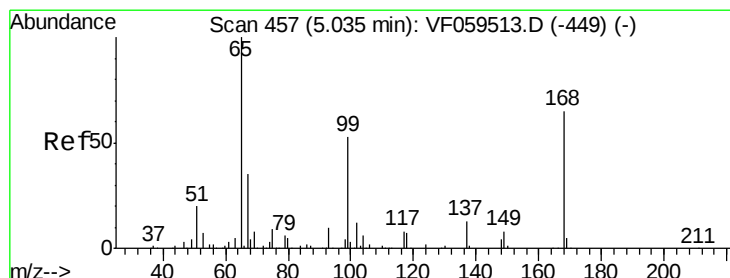
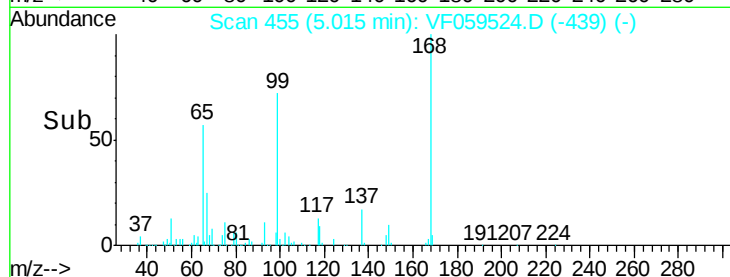
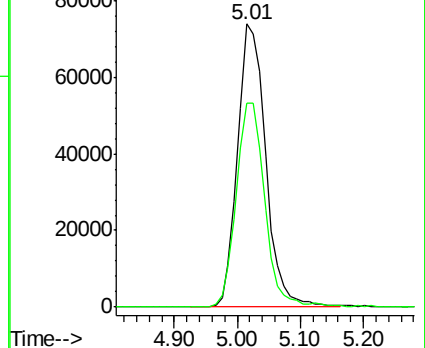
168 100

99 72.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 49.08 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.04 min

Lab File: VF059524.D

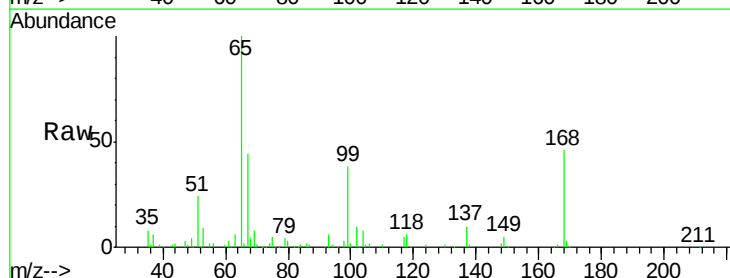
Acq: 18 Jul 2018 20:49

Tgt Ion: 65 Resp: 174766

Ion Ratio Lower Upper

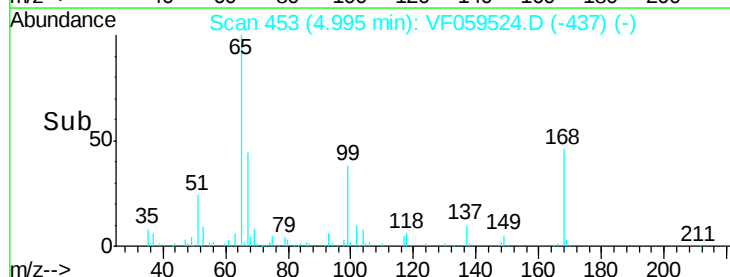
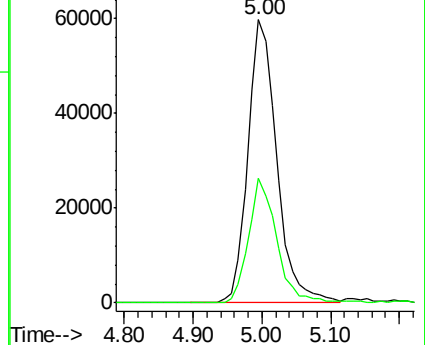
65 100

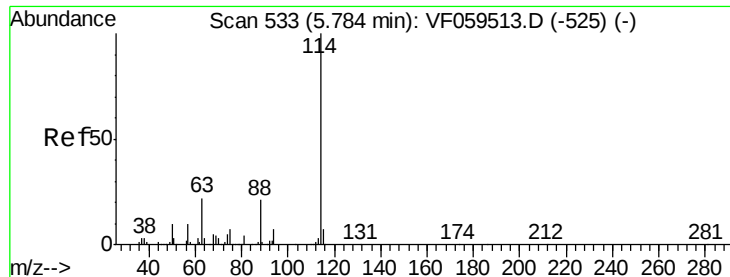
67 43.9 0.0 91.2



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: 5.74 min Scan# 529

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

TR-04-071618

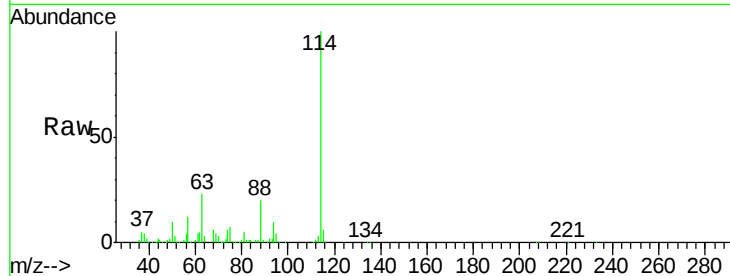
Tot Ion:114 Resp: 336770

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.8

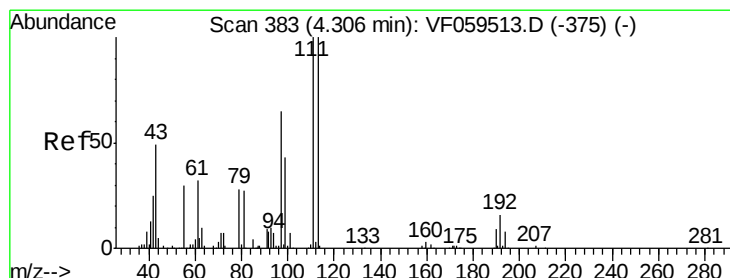
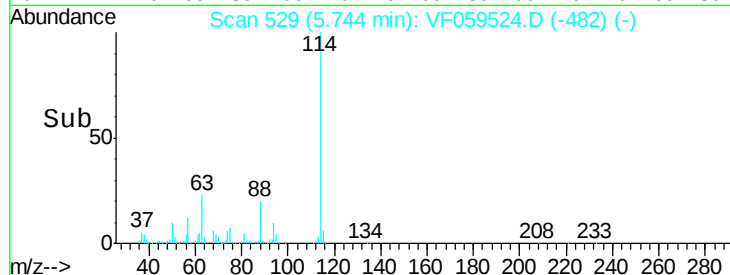
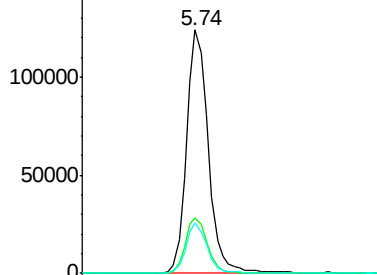
88 20.4 0.0 42.6



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: 51.20 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

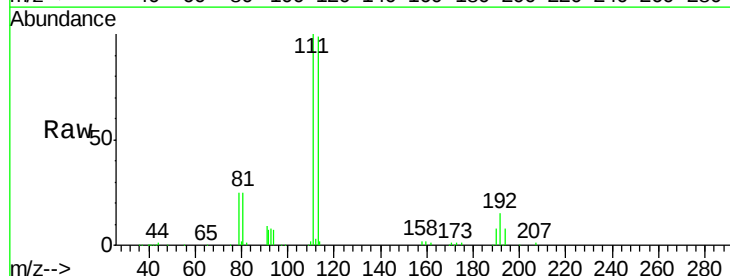
Tgt Ion:113 Resp: 149347

Ion Ratio Lower Upper

113 100

111 101.3 80.3 120.5

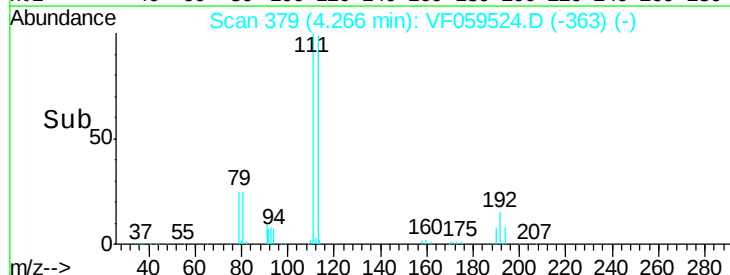
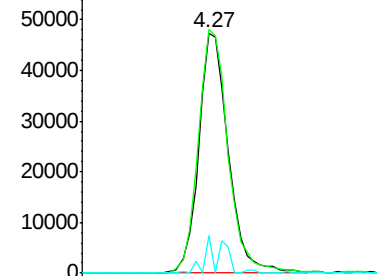
192 15.7 13.1 19.7

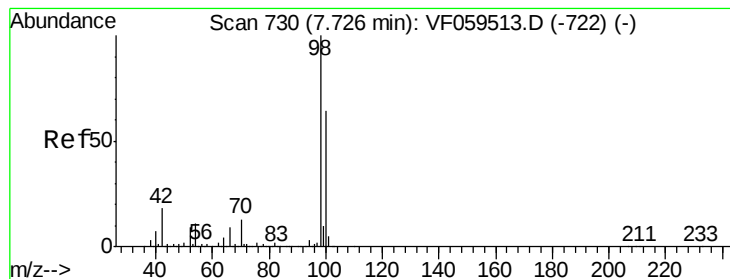


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 38.87 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.04 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

Instrument :

MSVOA_F

ClientSampleId :

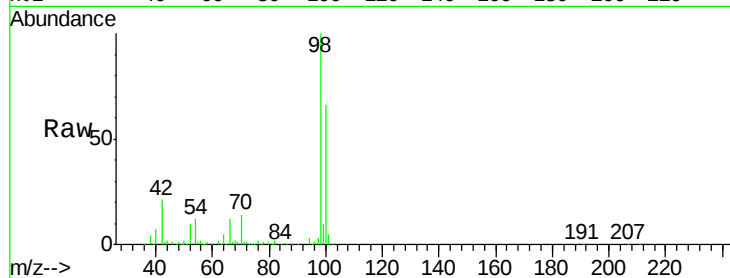
TR-04-071618

Tot Ion: 98 Resp: 285581

Ion Ratio Lower Upper

98 100

100 66.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

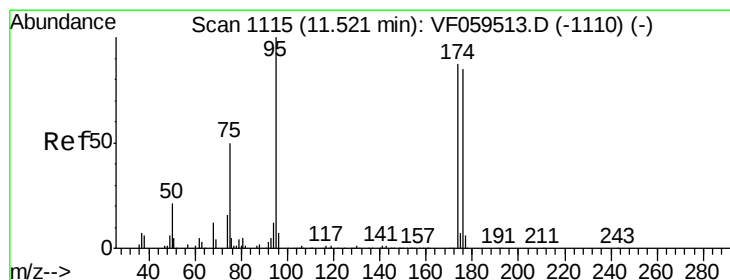
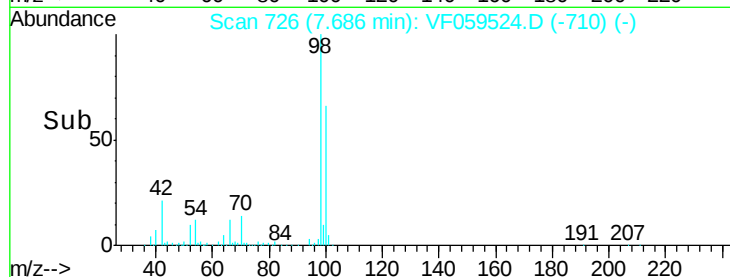
7.69

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.94 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059524.D

Acq: 18 Jul 2018 20:49

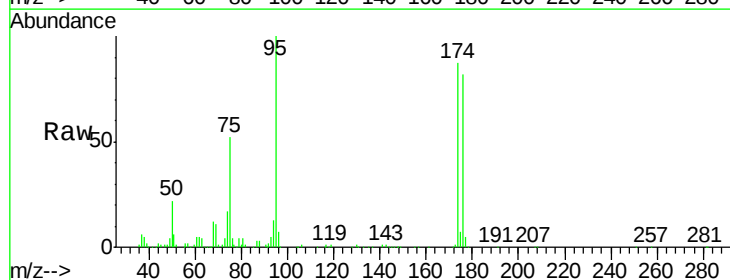
Tgt Ion: 95 Resp: 157803

Ion Ratio Lower Upper

95 100

174 87.2 0.0 174.4

176 82.3 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

120000

100000

80000

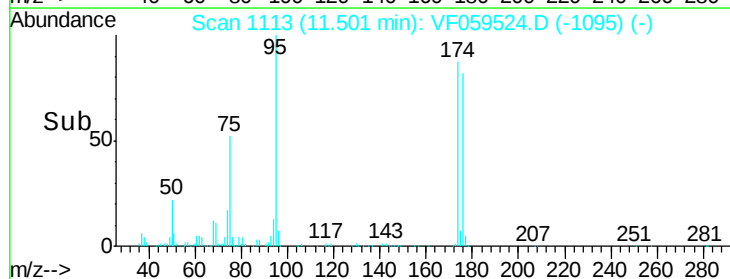
60000

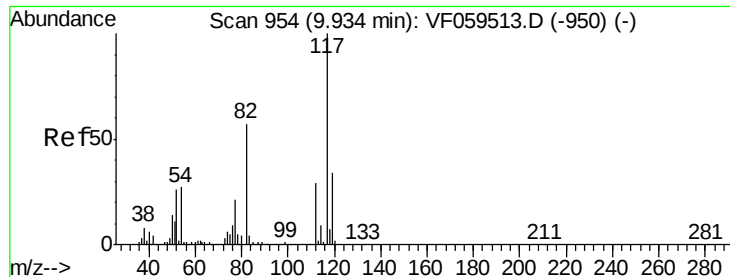
40000

20000

0

Time-->

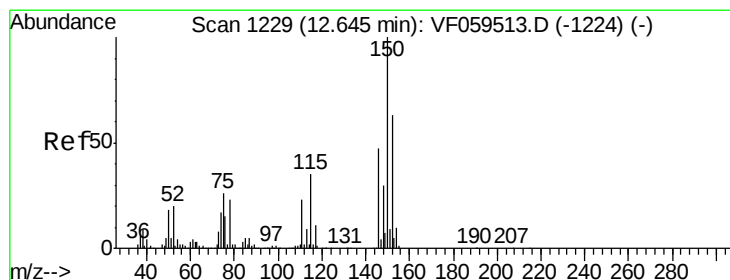
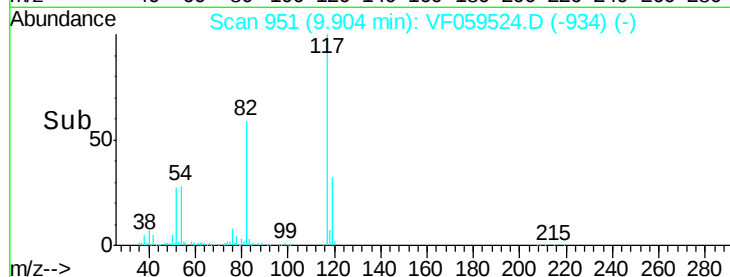
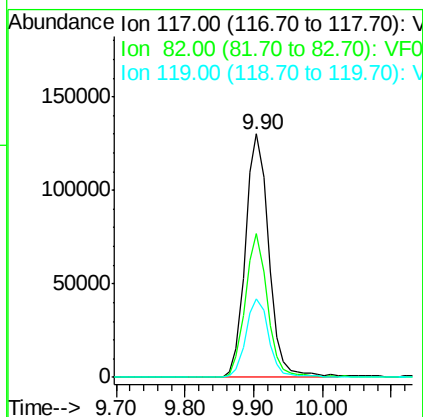
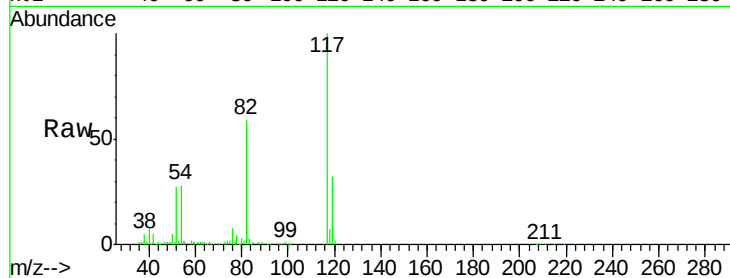




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Instrument :
MSVOA_F
ClientSampleId :
TR-04-071618

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.1	69.1
119	32.3	27.2	40.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VF059524.D
Acq: 18 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	27.8	83.3
150	152.8	0.0	318.4

