

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059647.D
 Acq On : 24 Jul 2018 23:03
 Operator : VA/AP
 Sample : J4106-01
 Misc : 5.06g/5mL/MSVOA F/SOIL
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MOLA-BOULEVARD

Quant Time: Jul 25 05:40:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	6859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	5407	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	3106	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	847	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	700	7.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.64%	
35) Dibromofluoromethane	4.28	113	1514	31.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.22%	
50) Toluene-d8	7.69	98	2893	24.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.78%	
62) 4-Bromofluorobenzene	11.51	95	1061	17.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.82%	

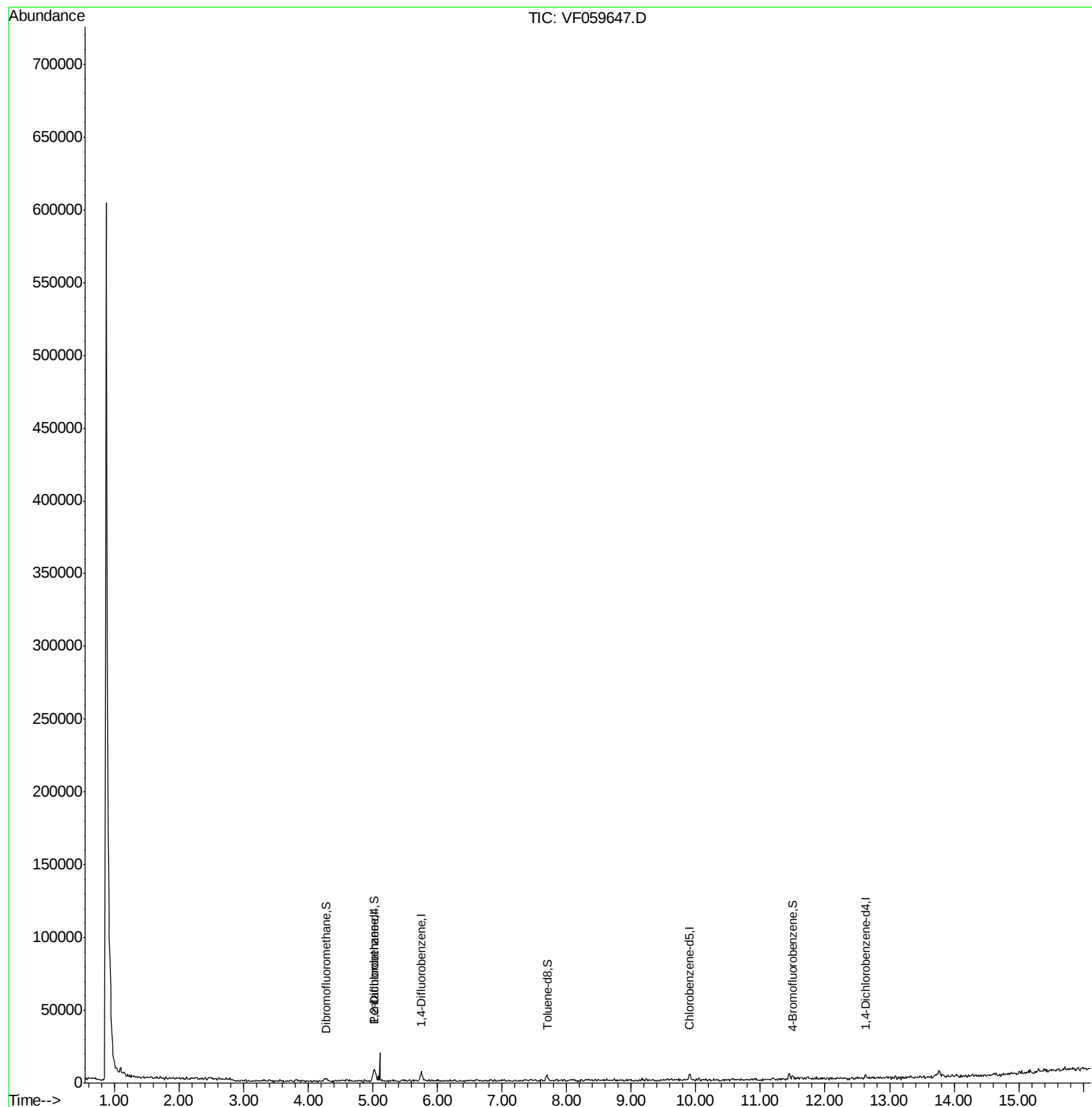
Target Compounds	Qvalue

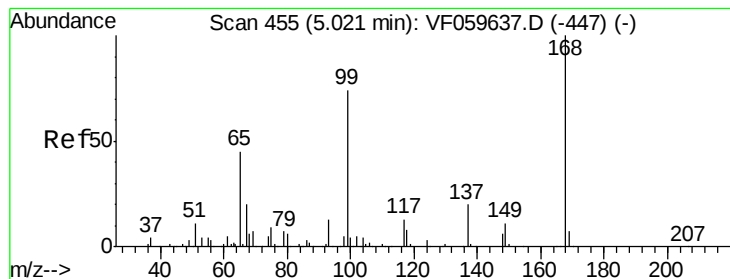
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059647.D

Acq: 24 Jul 2018 23:03

Instrument :

MSVOA_F

ClientSampleId :

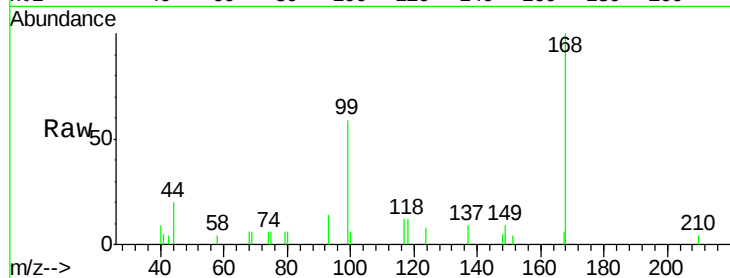
MOLA-BOULEVARD

Tot Ion:168 Resp: 6859

Ion Ratio Lower Upper

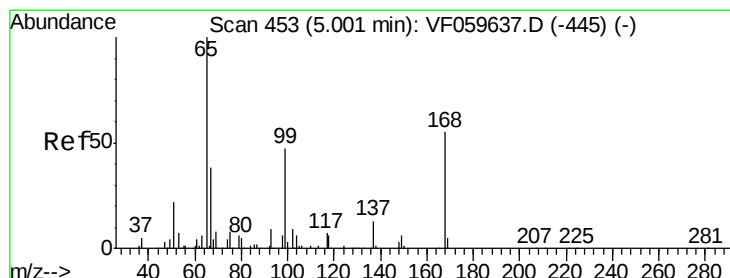
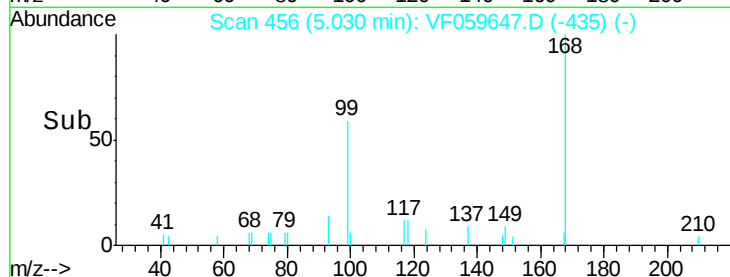
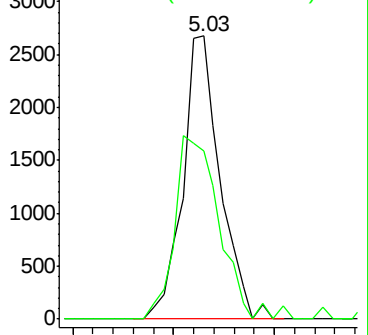
168 100

99 65.7 59.5 89.3



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: 7.324 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.01 min

Lab File: VF059647.D

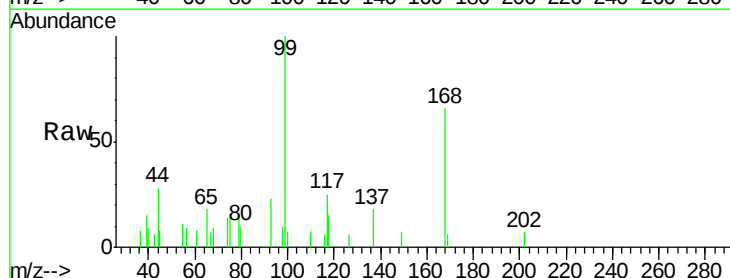
Acq: 24 Jul 2018 23:03

Tgt Ion: 65 Resp: 700

Ion Ratio Lower Upper

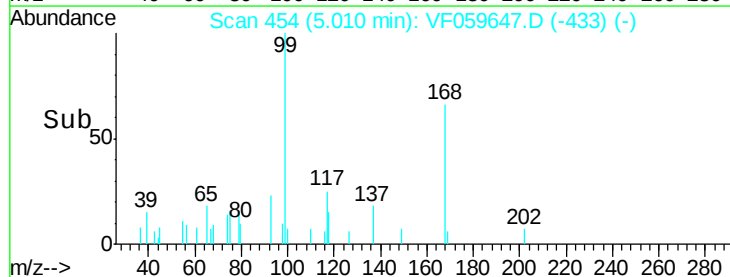
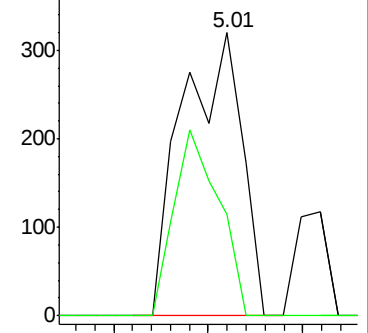
65 100

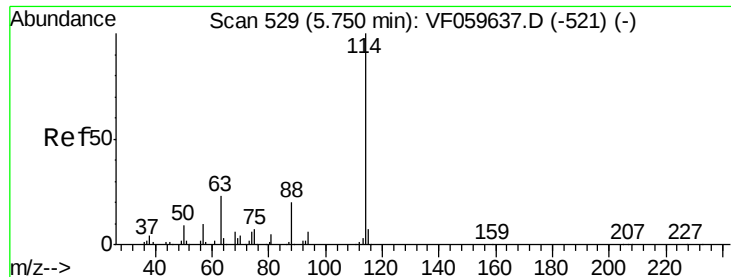
67 35.6 0.0 86.6



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: 5.76 min Scan# 530

Delta R.T. 0.01 min

Lab File: VF059647.D

Acq: 24 Jul 2018 23:03

Instrument :

MSVOA_F

ClientSampleId :

MOLA-BOULEVARD

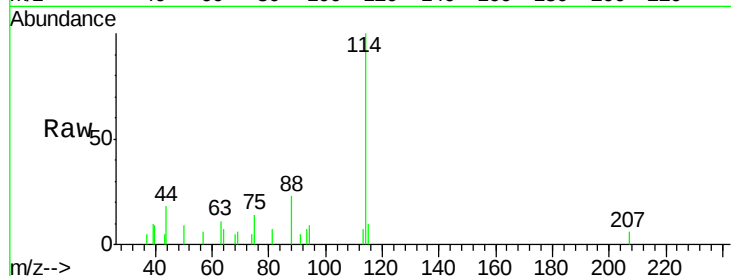
Tot Ion:114 Resp: 5407

Ion Ratio Lower Upper

114 100

63 10.8 0.0 45.6

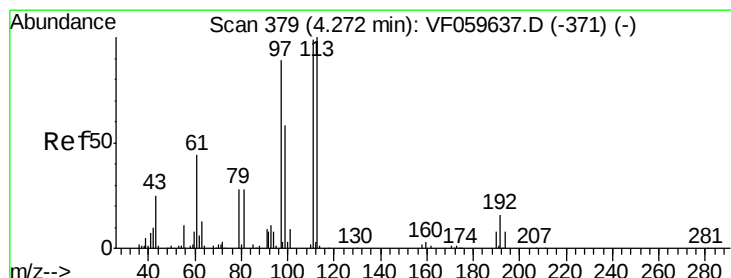
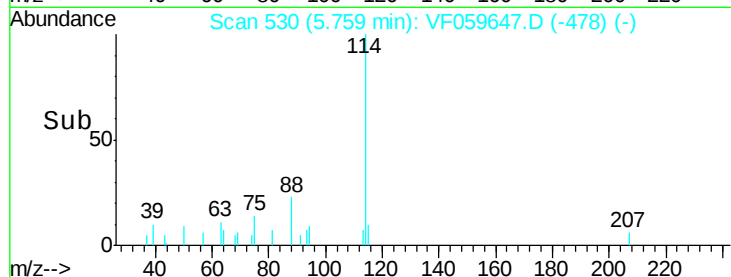
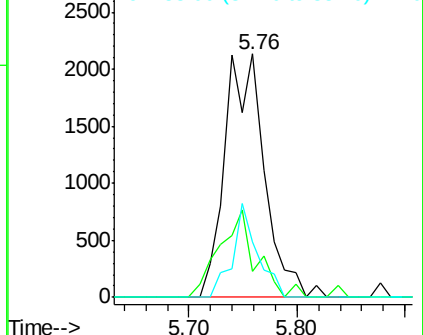
88 23.0 0.0 40.8



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: 31.113 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059647.D

Acq: 24 Jul 2018 23:03

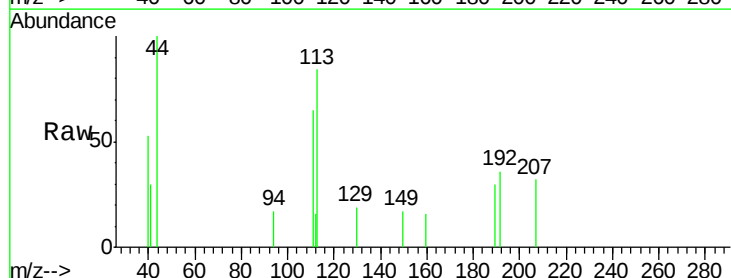
Tgt Ion:113 Resp: 1514

Ion Ratio Lower Upper

113 100

111 77.4 79.3 118.9#

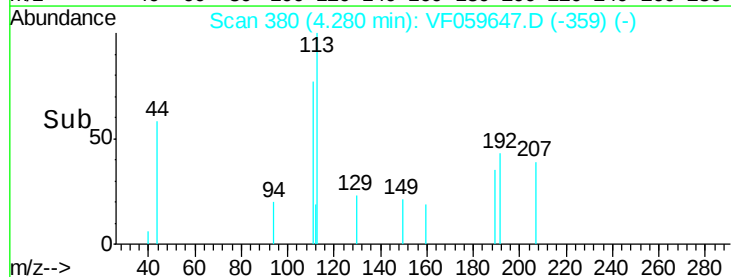
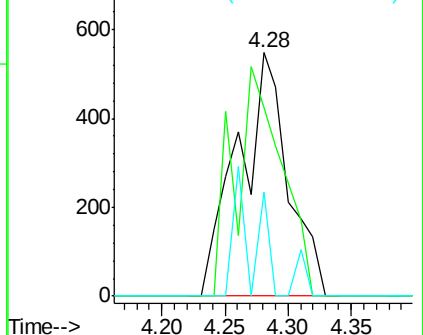
192 42.7 13.4 20.2#

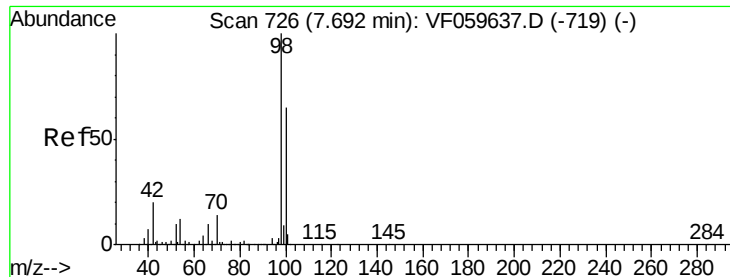


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 24.392 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF059647.D

Acq: 24 Jul 2018 23:03

Instrument :

MSVOA_F

ClientSampleId :

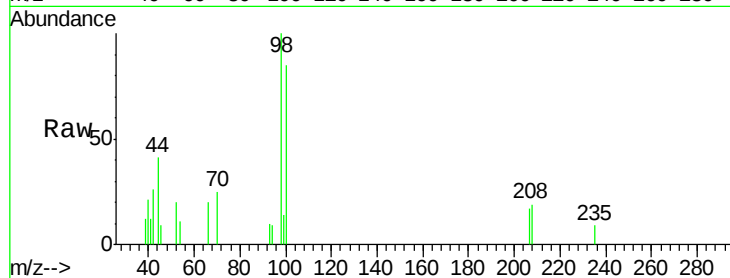
MOLA-BOULEVARD

Tot Ion: 98 Resp: 2893

Ion Ratio Lower Upper

98 100

100 85.4 52.2 78.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.69

1500

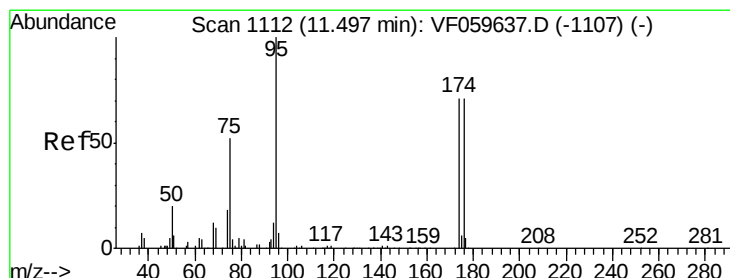
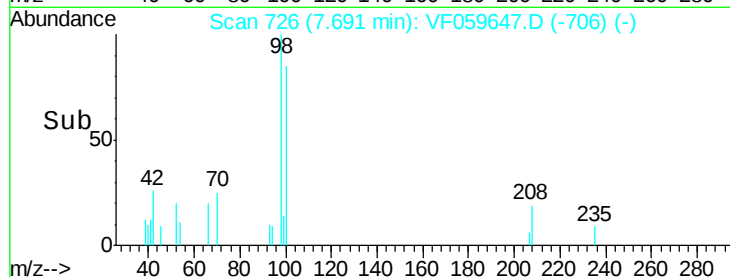
1000

500

0

Time-->

7.60 7.65 7.70 7.75



#62

4-Bromofluorobenzene

Concen: 17.409 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF059647.D

Acq: 24 Jul 2018 23:03

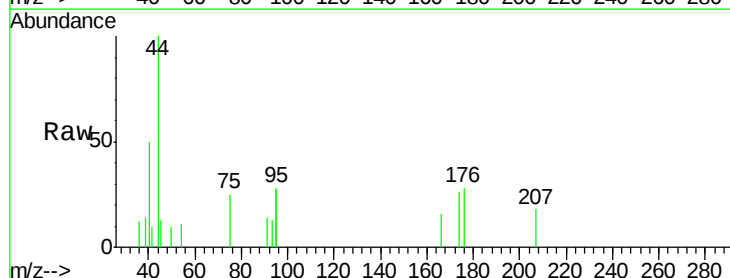
Tgt Ion: 95 Resp: 1061

Ion Ratio Lower Upper

95 100

174 47.2 0.0 141.8

176 51.6 0.0 142.0



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

800

600

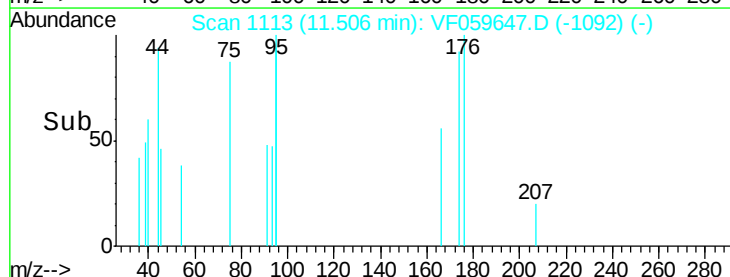
400

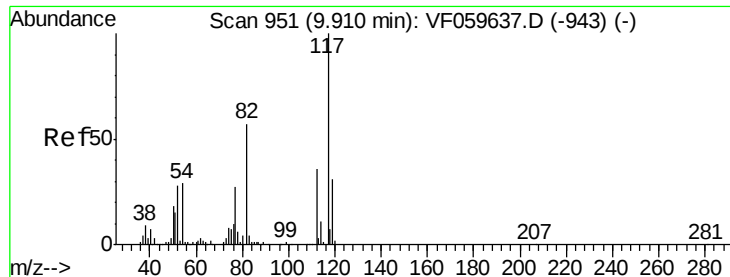
200

0

Time-->

11.45 11.50 11.55

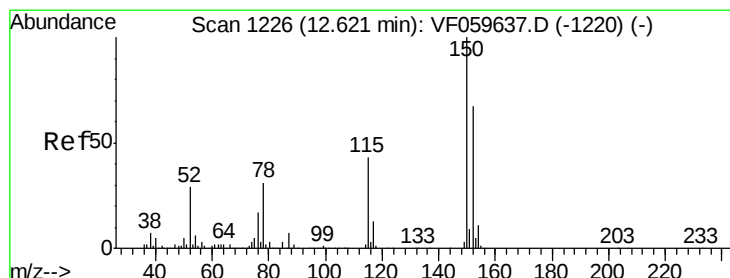
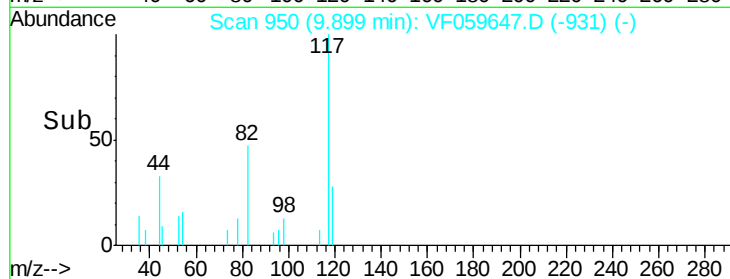
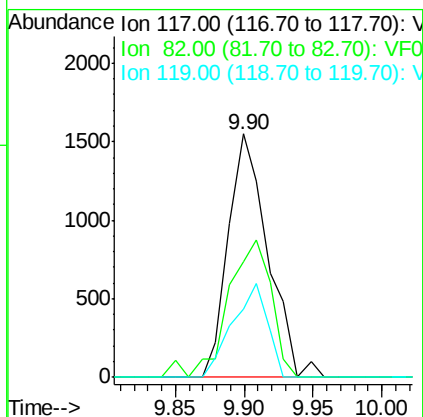
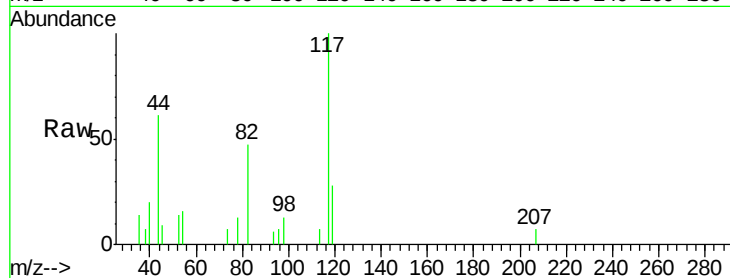




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059647.D
Acq: 24 Jul 2018 23:03

Instrument :
MSVOA_F
ClientSampleId :
MOLA-BOULEVARD

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.4	45.9	68.9
119	28.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF059647.D
Acq: 24 Jul 2018 23:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	41.9	32.0	96.2
150	118.5	0.0	313.2

