

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060010.D
 Acq On : 20 Aug 2018 18:56
 Operator : VA/AP
 Sample : J4497-01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CARLSTADT-FRONT

Quant Time: Aug 21 05:36:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	166225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	230516	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	246951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	147715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	146604	45.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.38%	
35) Dibromofluoromethane	4.30	113	119080	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
50) Toluene-d8	7.72	98	241084	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.51	95	136006	42.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.60%	

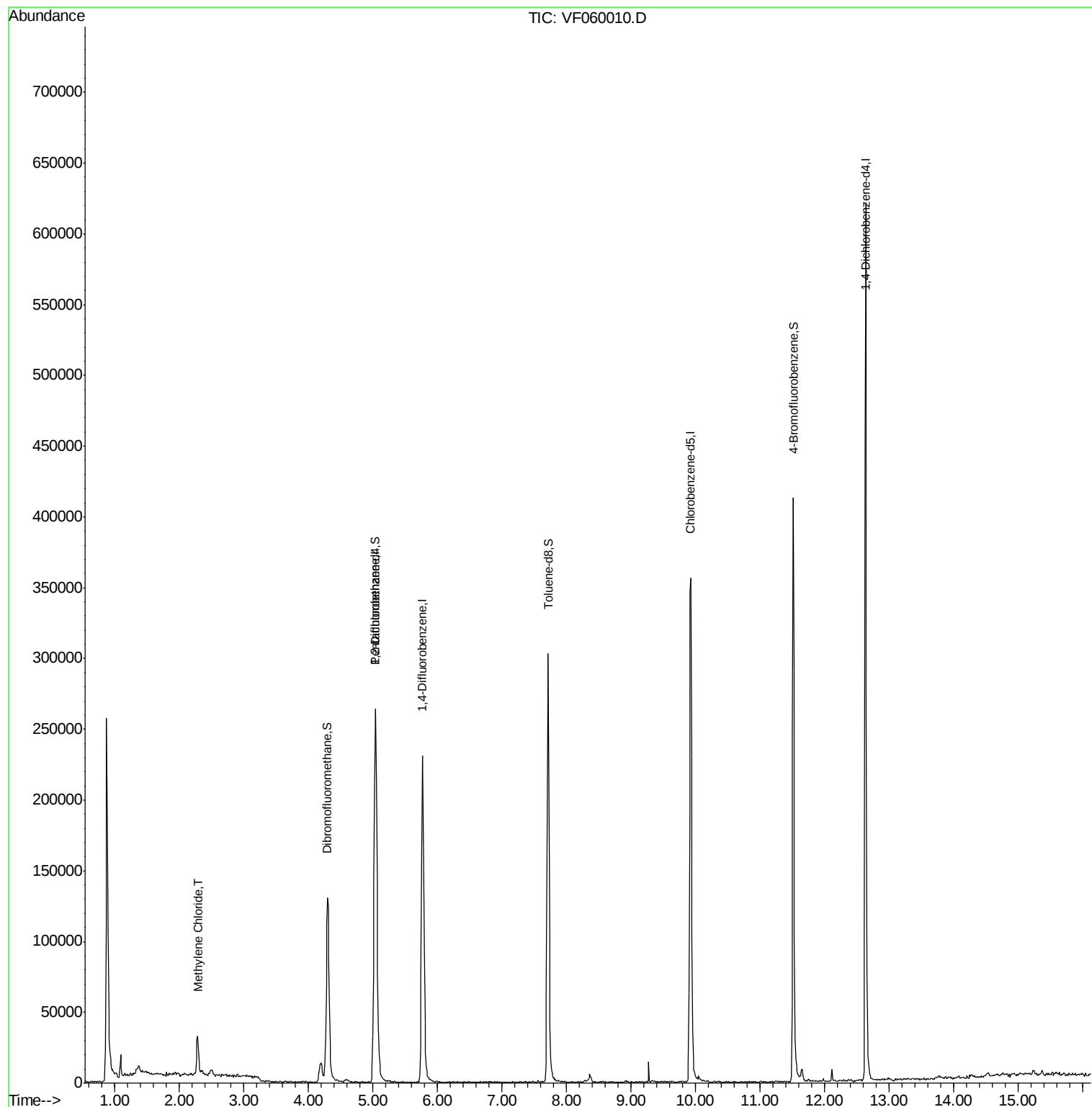
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.28	84	11687	2.73	ug/l	96

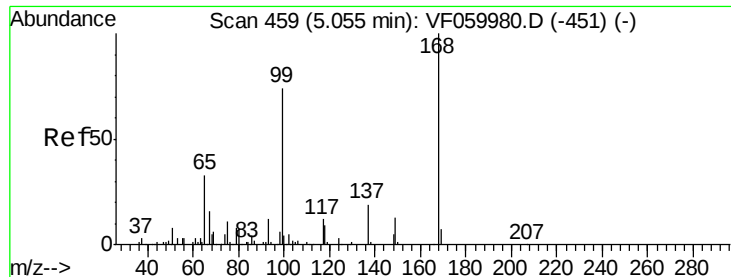
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060010.D

Acq: 20 Aug 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

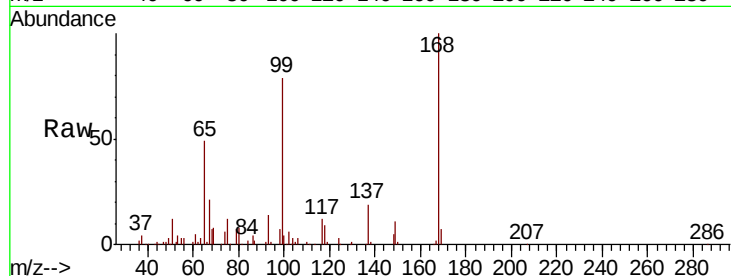
CARLSTADT-FRONT

Tot Ion:168 Resp: 166225

Ion Ratio Lower Upper

168 100

99 79.3 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

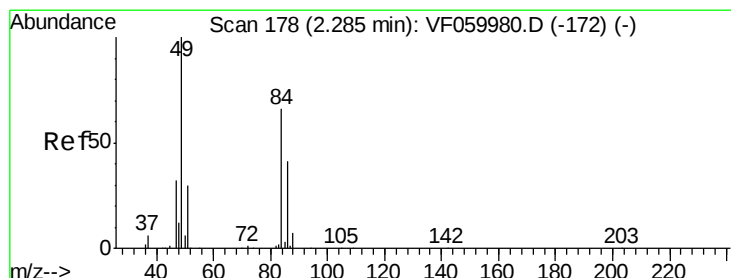
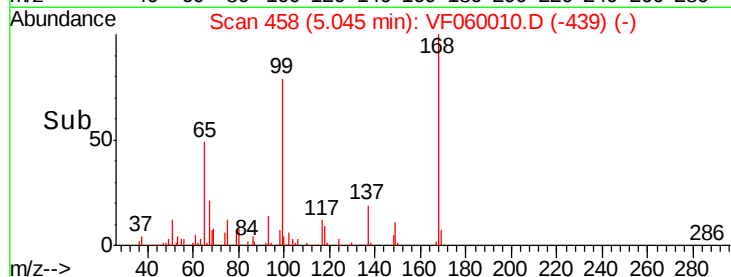
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 2.73 ug/l

RT: 2.28 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF060010.D

Acq: 20 Aug 2018 18:56

Tgt Ion: 84 Resp: 11687

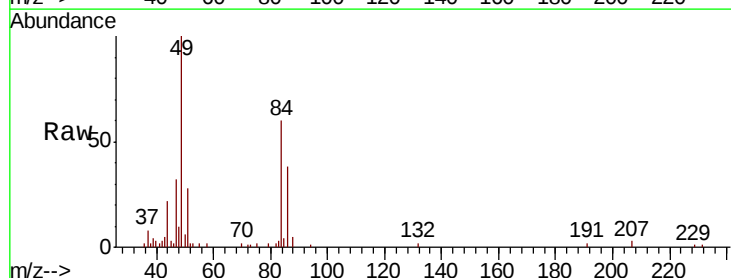
Ion Ratio Lower Upper

84 100

49 157.3 122.5 183.7

51 44.4 37.1 55.7

86 59.1 50.2 75.2



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

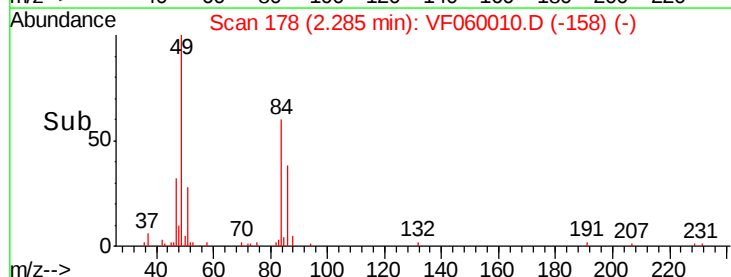
10000

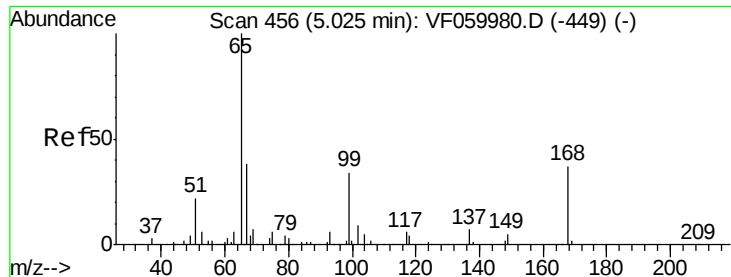
5000

0

Time-->

2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 45.69 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060010.D

Acq: 20 Aug 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

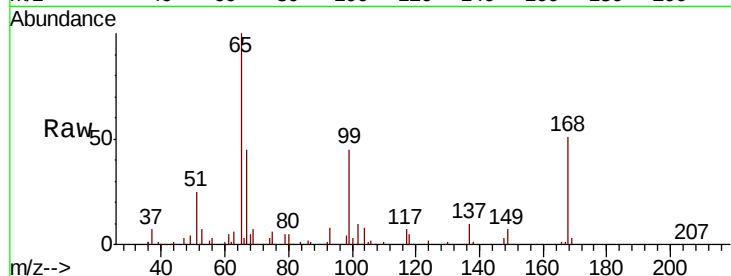
CARLSTADT-FRONT

Tot Ion: 65 Resp: 146604

Ion Ratio Lower Upper

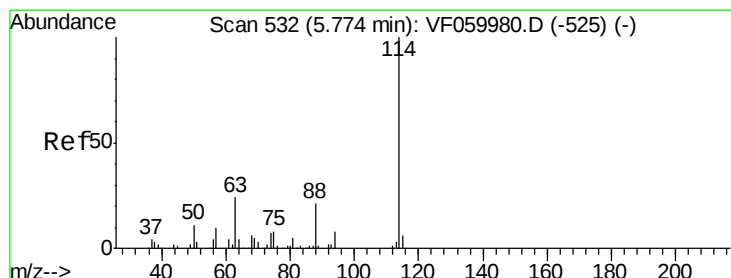
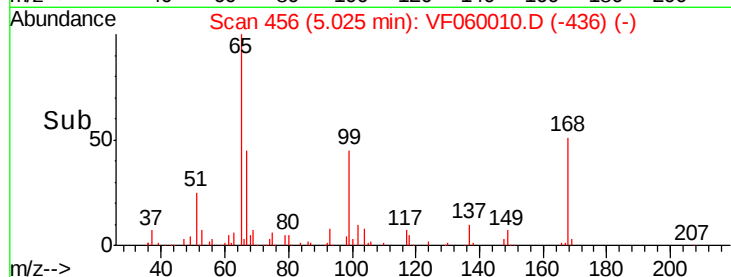
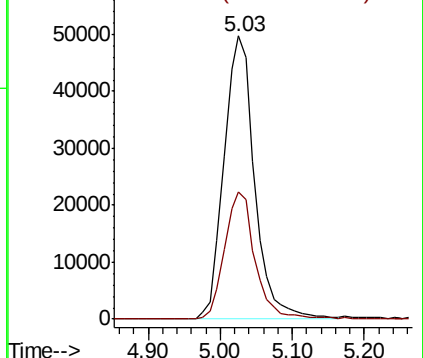
65 100

67 45.0 0.0 82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF060010.D

Acq: 20 Aug 2018 18:56

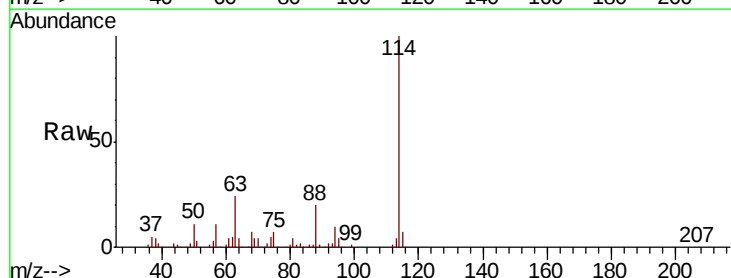
Tgt Ion: 114 Resp: 230516

Ion Ratio Lower Upper

114 100

63 24.3 0.0 48.6

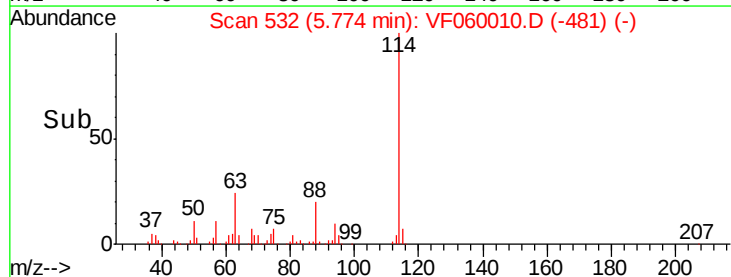
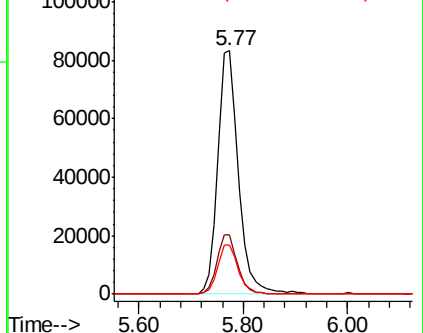
88 19.9 0.0 42.8

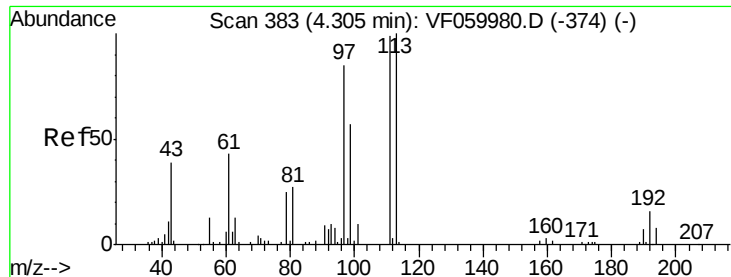


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.55 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060010.D

Acq: 20 Aug 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

CARLSTADT-FRONT

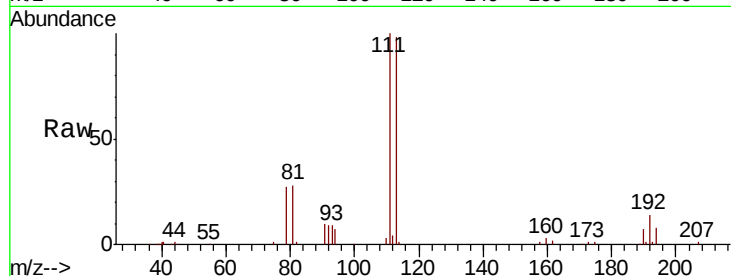
Tot Ion:113 Resp: 119080

Ion Ratio Lower Upper

113 100

111 102.2 79.5 119.3

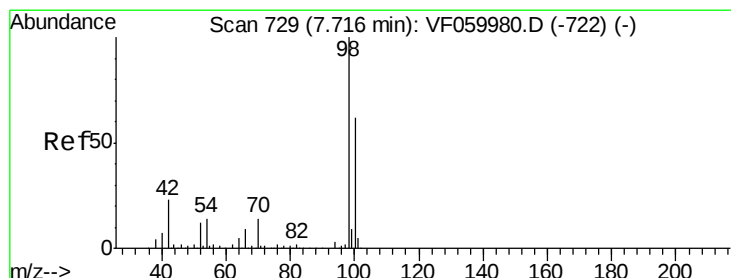
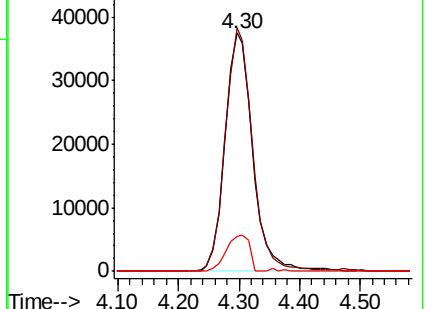
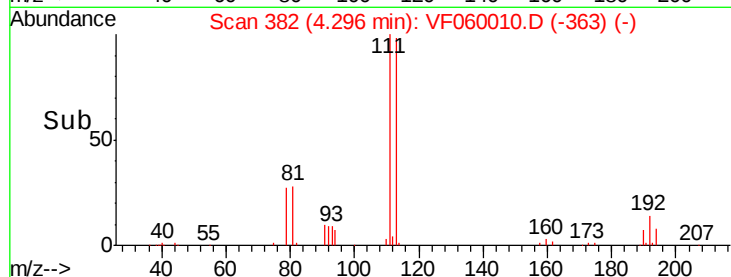
192 14.6 12.4 18.6



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: 46.02 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF060010.D

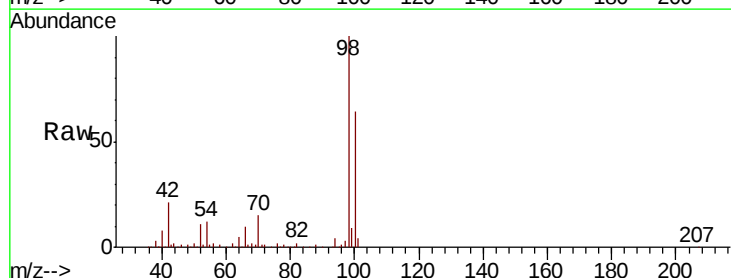
Acq: 20 Aug 2018 18:56

Tgt Ion: 98 Resp: 241084

Ion Ratio Lower Upper

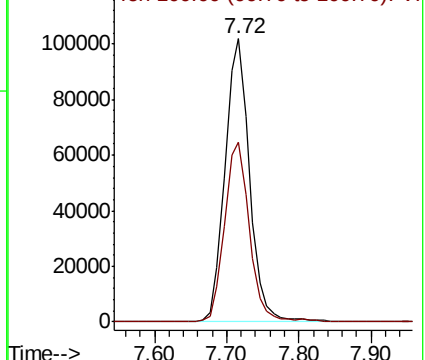
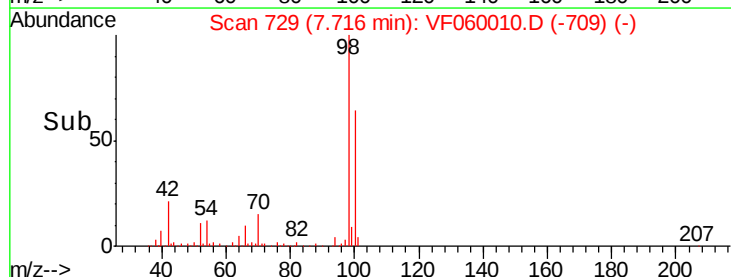
98 100

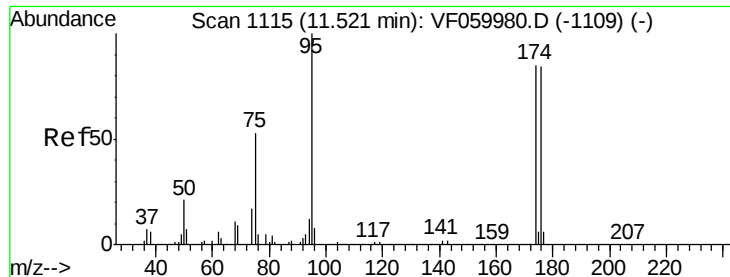
100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

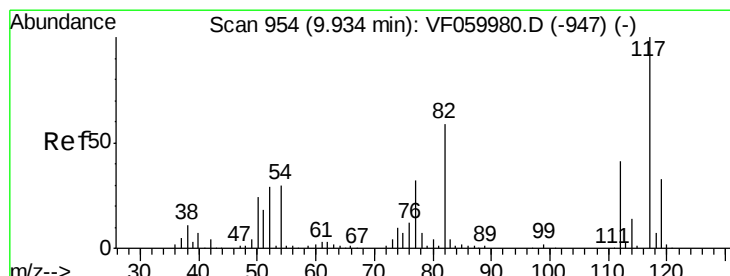
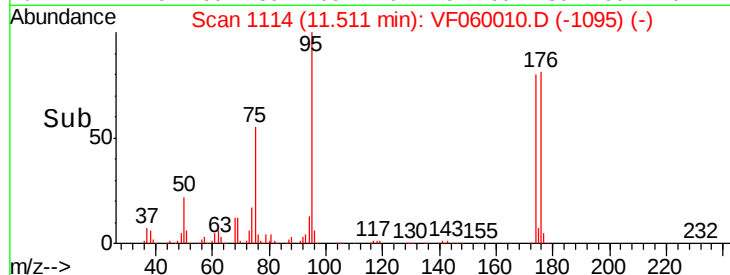
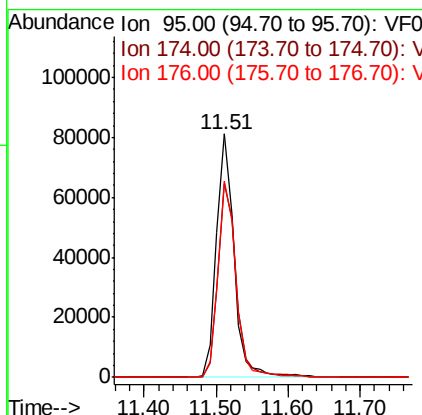
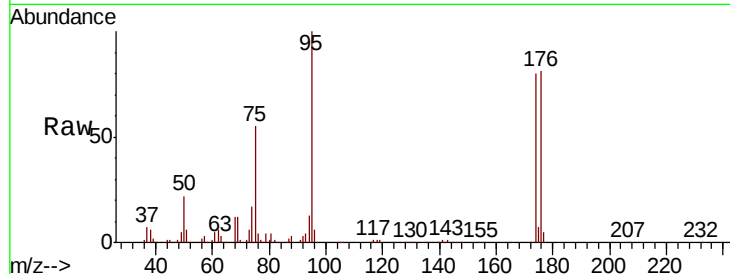




#62
4-Bromofluorobenzene
Concen: 42.30 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF060010.D
Acq: 20 Aug 2018 18:56

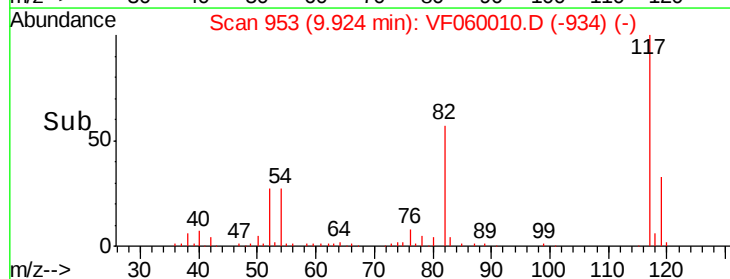
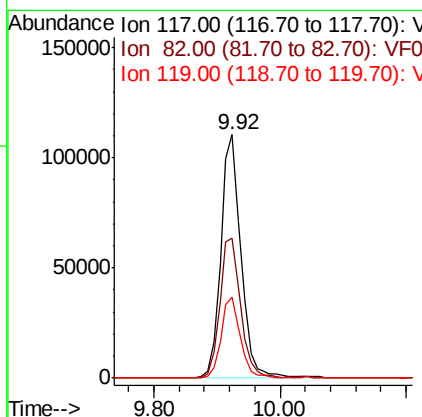
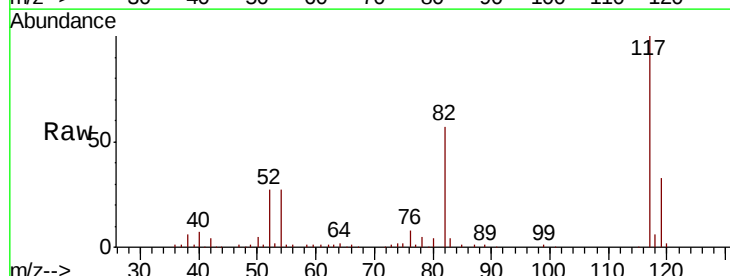
Instrument :
MSVOA_F
ClientSampleId :
CARLSTADT-FRONT

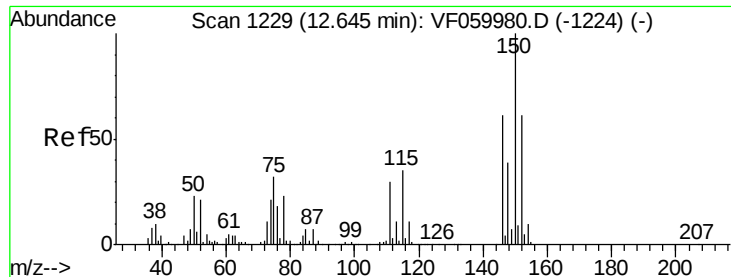
Tot Ion: 95 Resp: 136006
Ion Ratio Lower Upper
95 100
174 79.7 0.0 169.8
176 80.7 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060010.D
Acq: 20 Aug 2018 18:56

Tgt Ion: 117 Resp: 246951
Ion Ratio Lower Upper
117 100
82 57.5 47.2 70.8
119 33.1 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060010.D

Acq: 20 Aug 2018 18:56

Instrument :

MSVOA_F

ClientSampleId :

CARLSTADT-FRONT

Tot Ion:152 Resp: 147715

Ion Ratio Lower Upper

152 100

115 60.9 29.1 87.3

150 156.9 0.0 330.2

