

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061231.D
 Acq On : 28 Dec 2018 12:56
 Operator : VA/AP
 Sample : J6486-02RE
 Misc : 3.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0054RE

Quant Time: Dec 29 01:42:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	7001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	8928	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	5825	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	1822	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	1372	15.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	30.48%	
35) Dibromofluoromethane	4.13	113	2117	29.60	ug/l	0.02
Spiked Amount	50.000		Recovery	=	59.20%	
50) Toluene-d8	7.58	98	8222	40.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	81.14%	
62) 4-Bromofluorobenzene	11.42	95	2544	27.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	54.46%	

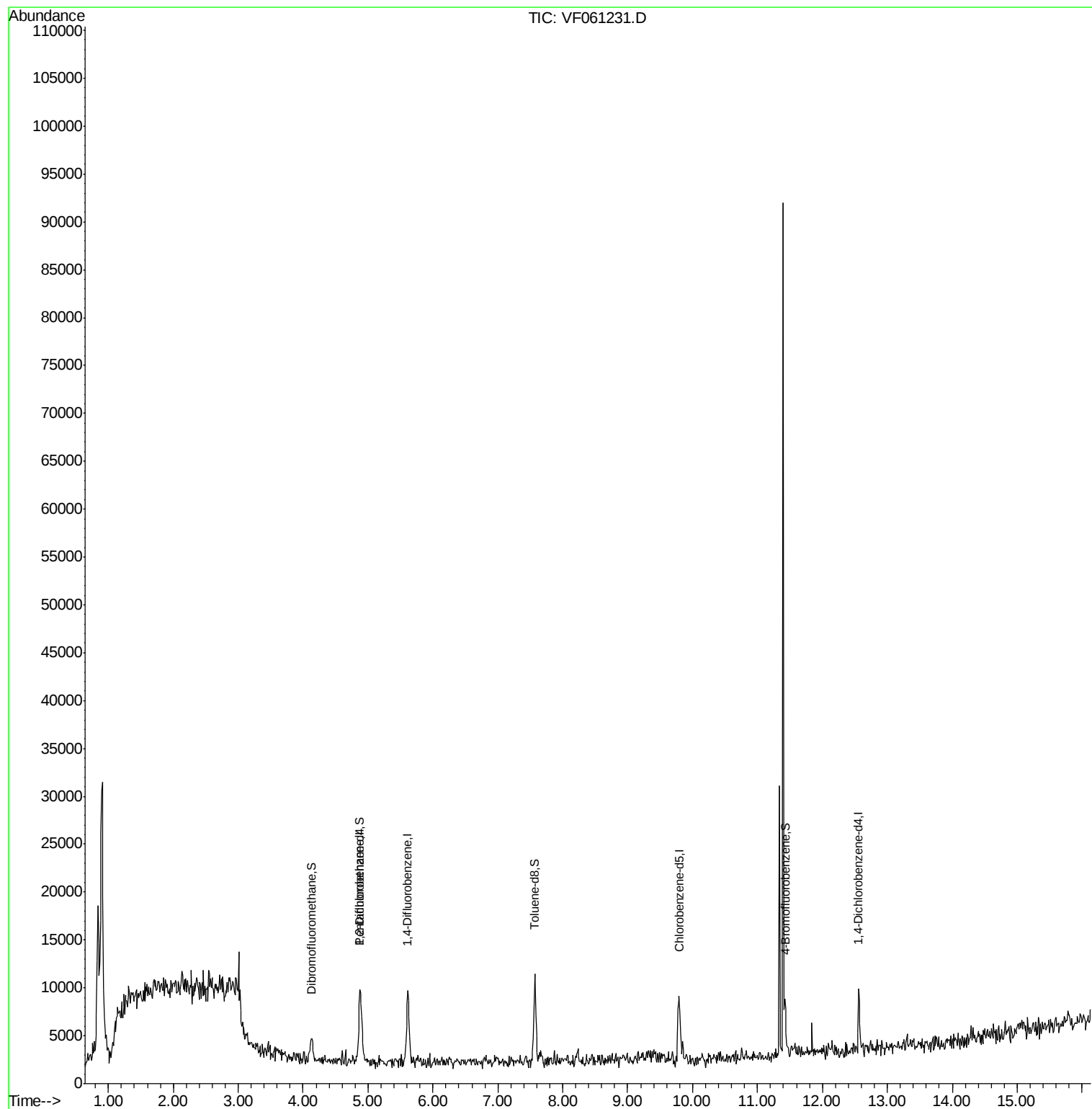
Target Compounds Qvalue

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF061231.D

Acq: 28 Dec 2018 12:56

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MSVOA_F

ClientSampleId :

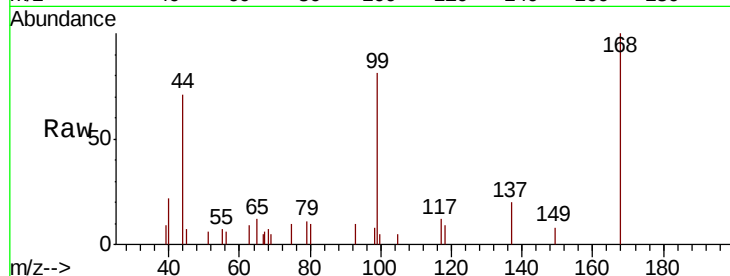
S72-0054RE

Tot Ion:168 Resp: 7001

Ion Ratio Lower Upper

168 100

99 80.6 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

2500

2000

1500

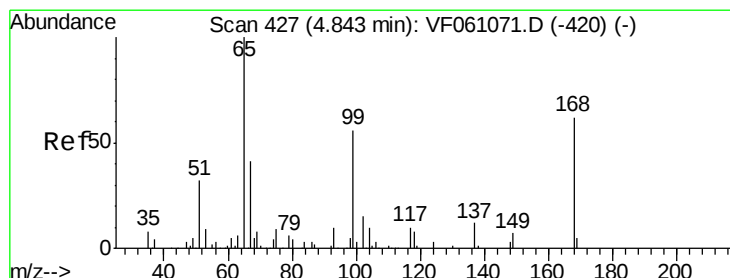
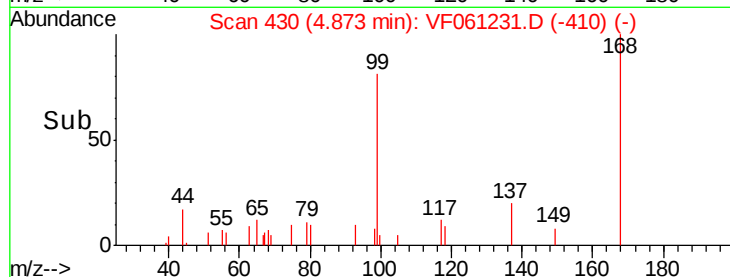
1000

500

0

Time-->

4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 15.237 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061231.D

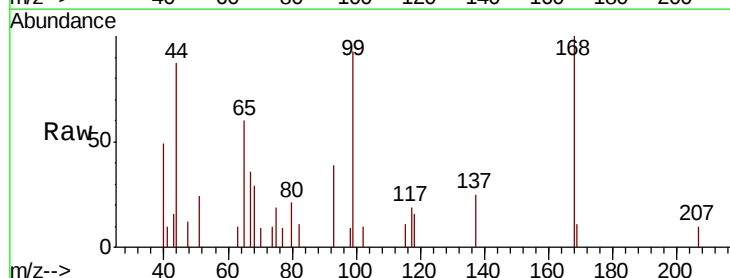
Acq: 28 Dec 2018 12:56

Tgt Ion: 65 Resp: 1372

Ion Ratio Lower Upper

65 100

67 59.4 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

600

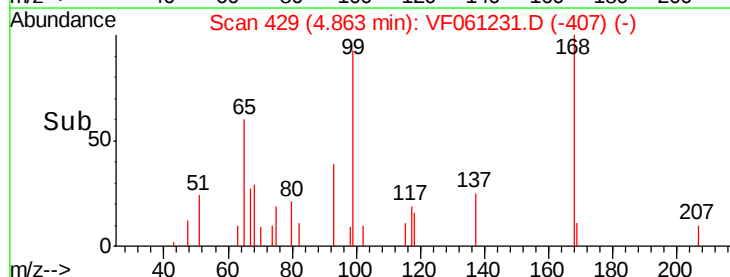
400

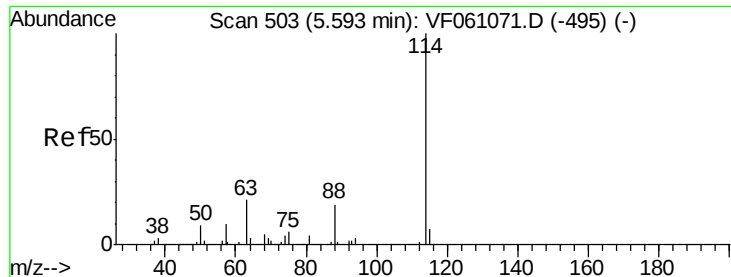
200

0

Time-->

4.75 4.80 4.85 4.90 4.95





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061231.D

Acq: 28 Dec 2018 12:56

Instrument :

MSVOA_F

ClientSampleId :

S72-0054RE

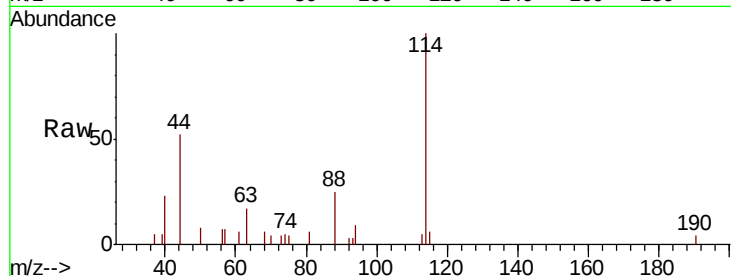
Tot Ion:114 Resp: 8928

Ion Ratio Lower Upper

114 100

63 16.7 0.0 41.6

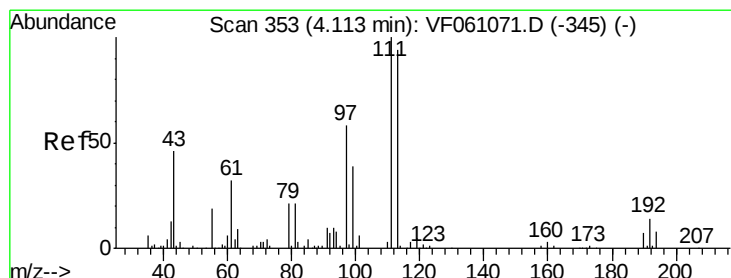
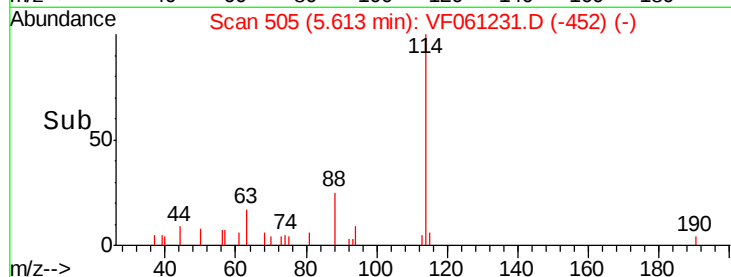
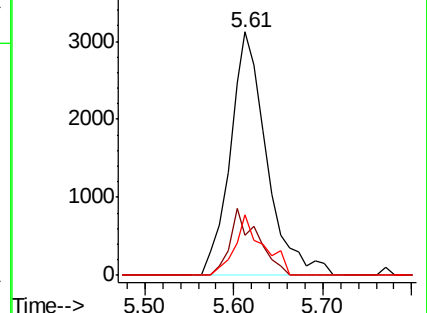
88 24.8 0.0 38.0



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: 29.601 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061231.D

Acq: 28 Dec 2018 12:56

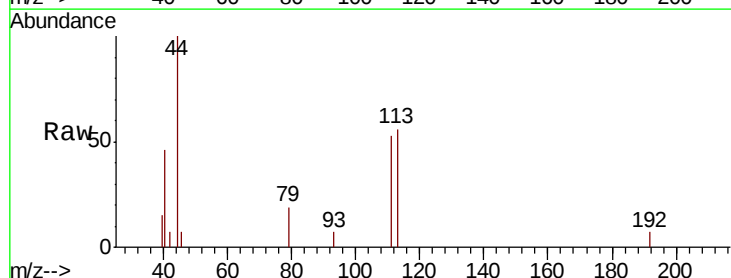
Tgt Ion:113 Resp: 2117

Ion Ratio Lower Upper

113 100

111 95.2 85.2 127.8

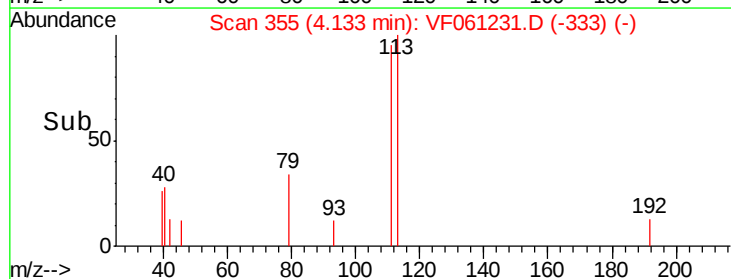
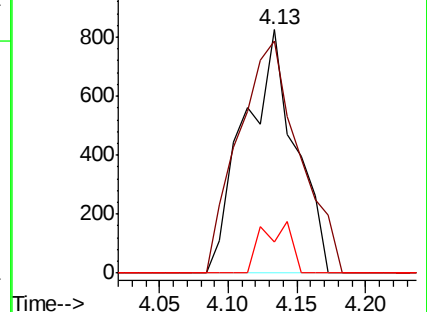
192 12.7 12.8 19.2#

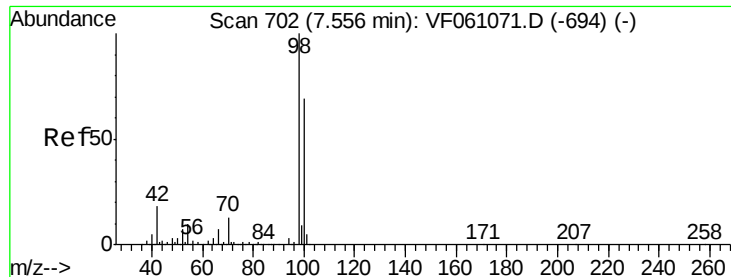


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 40.568 ug/l

RT: 7.58 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF061231.D

Acq: 28 Dec 2018 12:56

Instrument :

MSVOA_F

ClientSampleId :

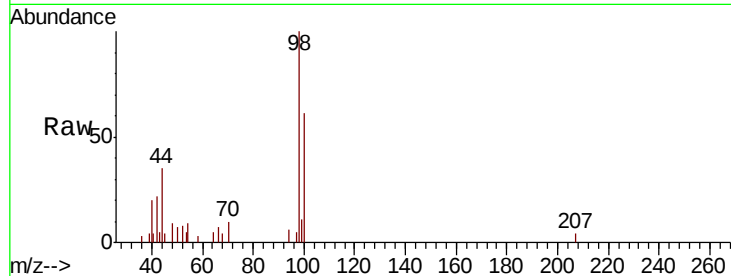
S72-0054RE

Tot Ion: 98 Resp: 8222

Ion Ratio Lower Upper

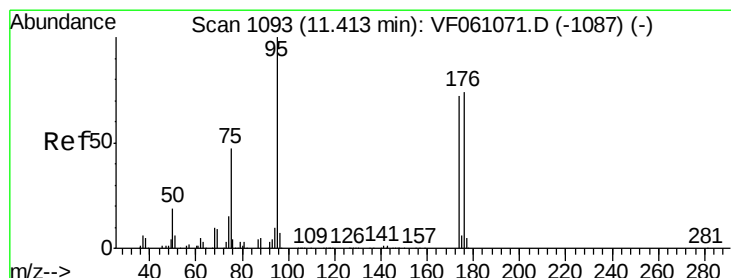
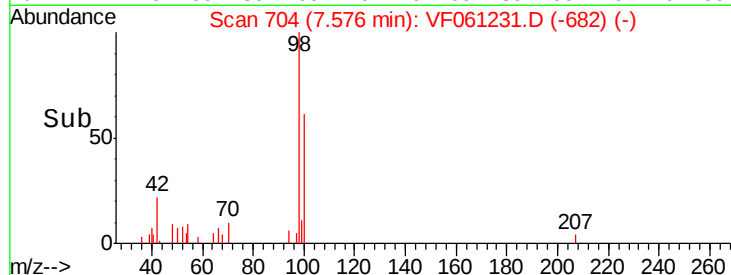
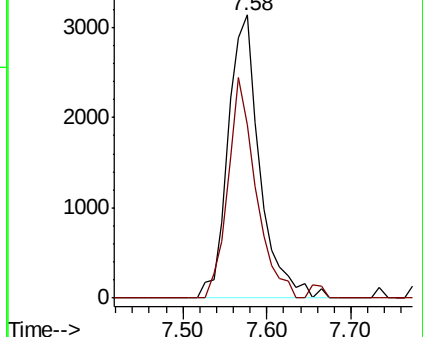
98 100

100 61.0 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 27.227 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061231.D

Acq: 28 Dec 2018 12:56

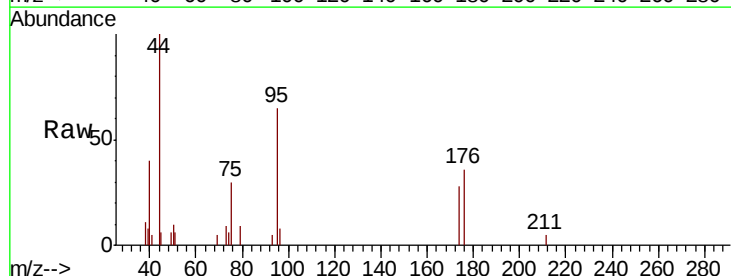
Tgt Ion: 95 Resp: 2544

Ion Ratio Lower Upper

95 100

174 43.5 0.0 143.8

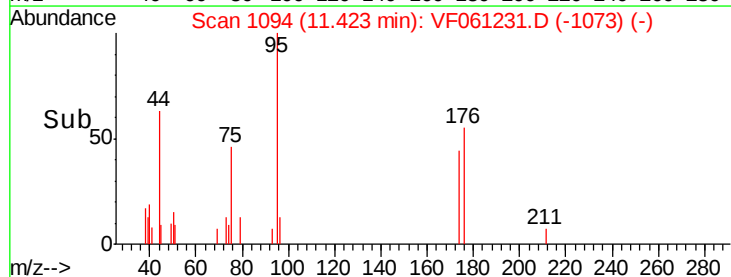
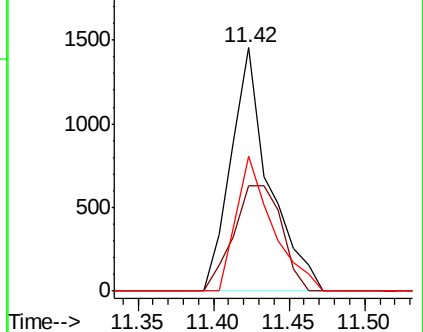
176 55.3 0.0 147.6

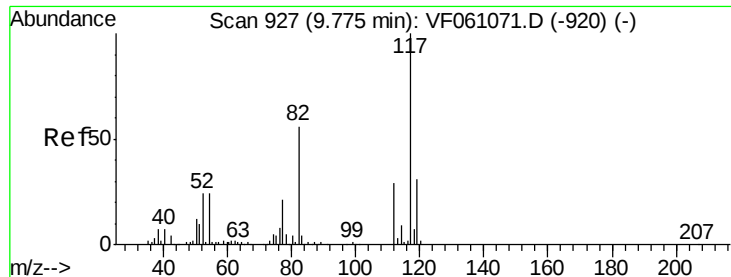


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

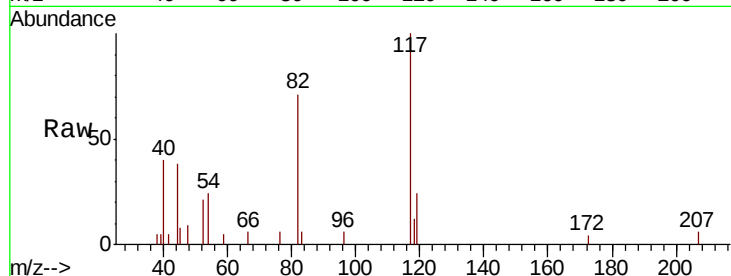




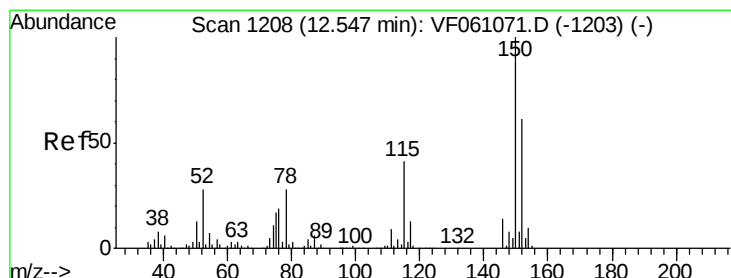
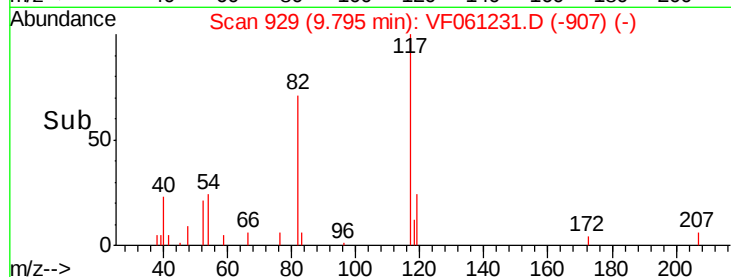
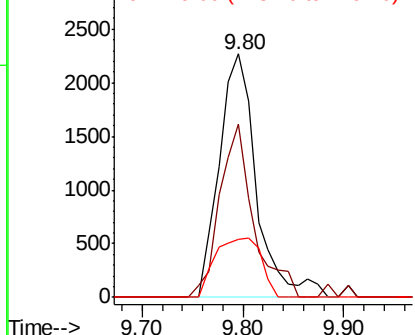
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Instrument :
MSVOA_F
ClientSampleId :
S72-0054RE

Tot Ion:117 Resp: 5825
Ion Ratio Lower Upper
117 100
82 71.0 45.0 67.4#
119 23.7 24.8 37.2#

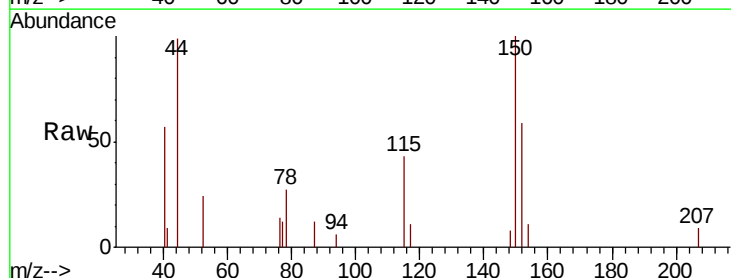


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061231.D
Acq: 28 Dec 2018 12:56

Tgt Ion:152 Resp: 1822
Ion Ratio Lower Upper
152 100
115 73.2 33.3 99.9
150 169.6 0.0 328.2



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

