

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061241.D
 Acq On : 28 Dec 2018 17:44
 Operator : VA/AP
 Sample : J6546-03
 Misc : 6.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0058

Quant Time: Dec 29 02:57:45 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	4.89	168	54968	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.62	114	62812	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	42696	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	15989	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	9860	13.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	27.90%	
35) Dibromofluoromethane	4.13	113	16939	33.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	67.34%	
50) Toluene-d8	7.57	98	65982	46.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.43	95	17527	26.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	53.32%	

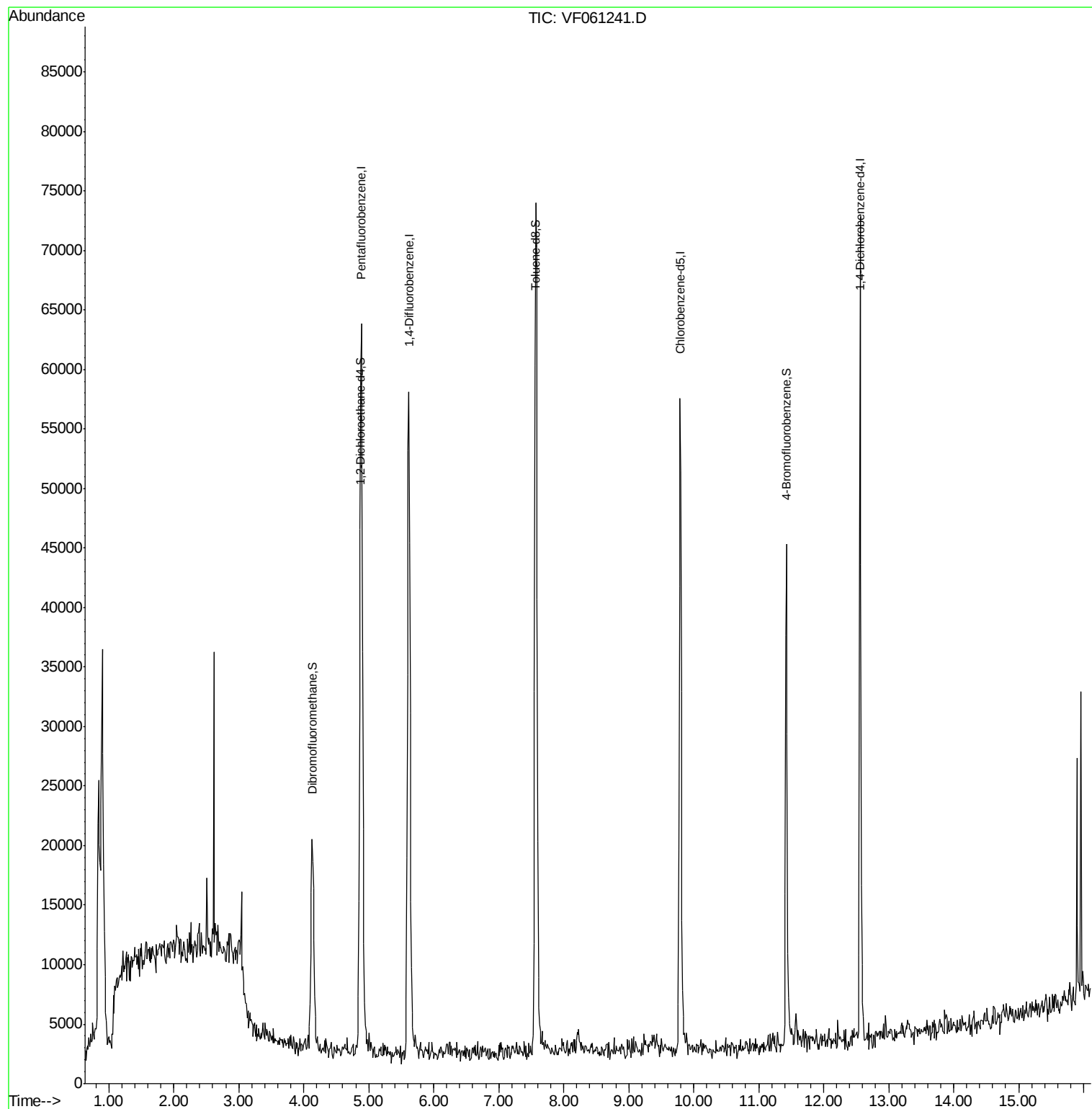
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF061241.D

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Instrument :

MSVOA_F

ClientSampleId :

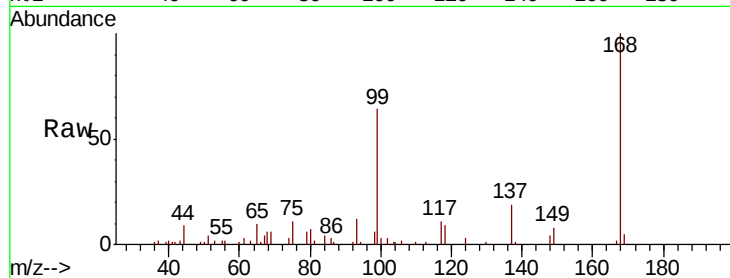
S72-0058

Tot Ion:168 Resp: 54968

Ion Ratio Lower Upper

168 100

99 64.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

20000

15000

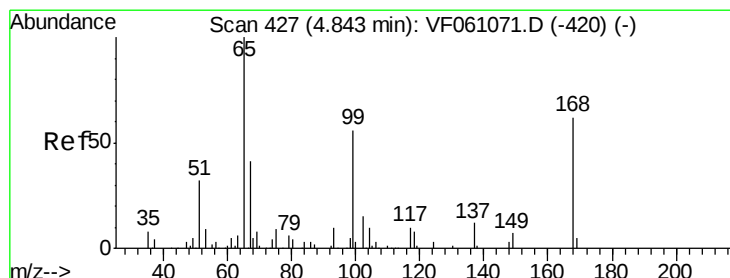
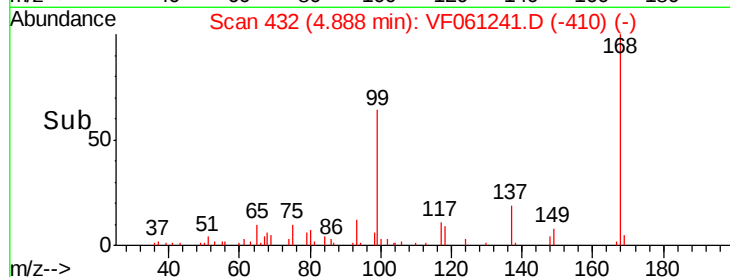
10000

5000

0

Time-->

4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 13.947 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061241.D

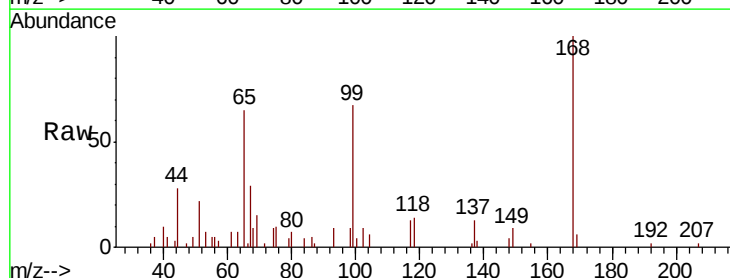
Acq: 28 Dec 2018 17:44

Tgt Ion: 65 Resp: 9860

Ion Ratio Lower Upper

65 100

67 44.4 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

4000

3000

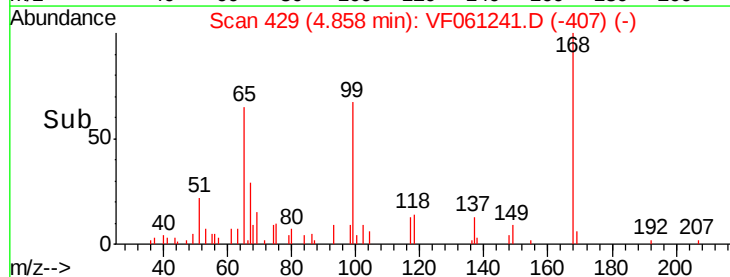
2000

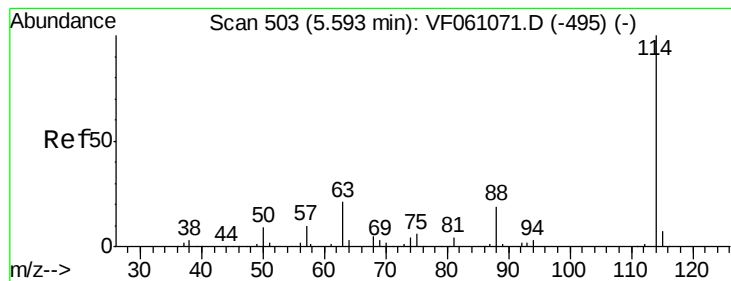
1000

0

Time-->

4.75 4.80 4.85 4.90 4.95





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.02 min

Lab File: VF061241.D

Acq: 28 Dec 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

S72-0058

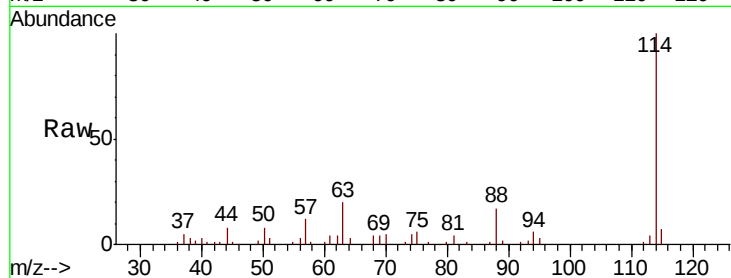
Tot Ion:114 Resp: 62812

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

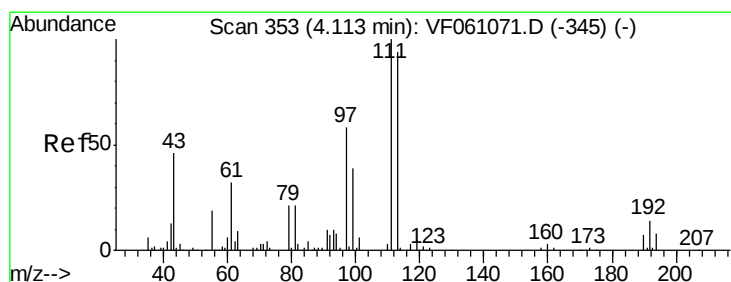
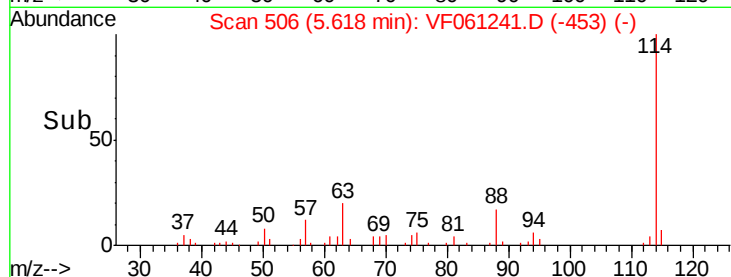
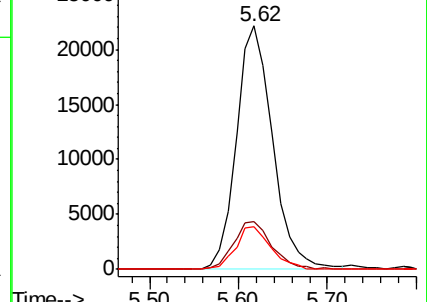
88 17.3 0.0 38.0



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: 33.665 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061241.D

Acq: 28 Dec 2018 17:44

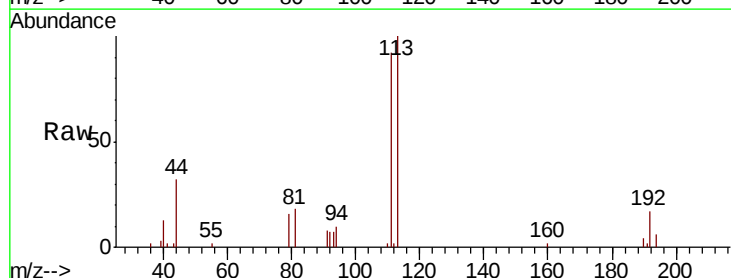
Tgt Ion:113 Resp: 16939

Ion Ratio Lower Upper

113 100

111 92.1 85.2 127.8

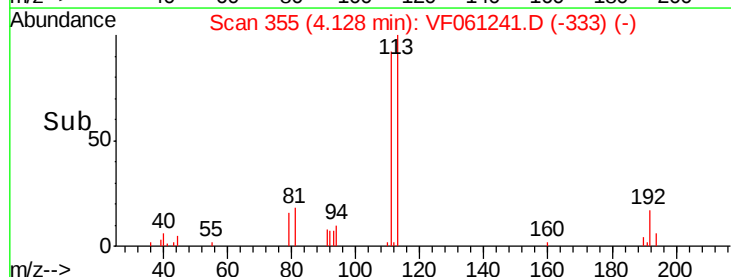
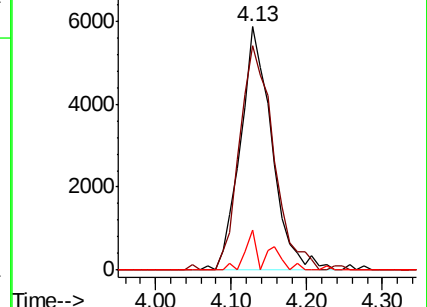
192 16.5 12.8 19.2

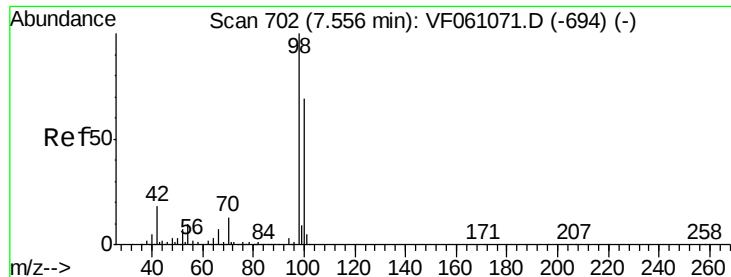


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 46.274 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF061241.D

Acq: 28 Dec 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

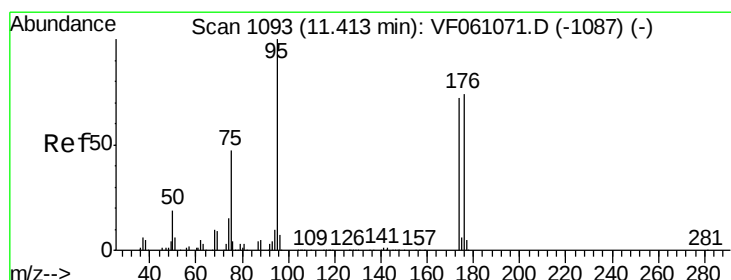
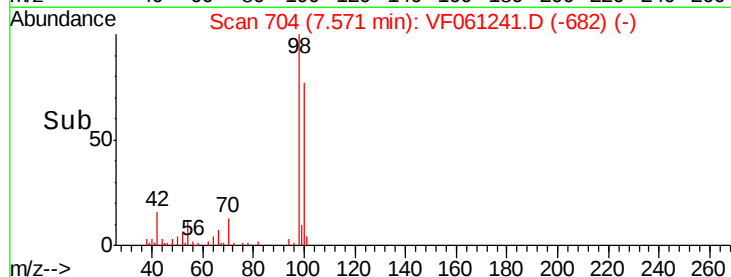
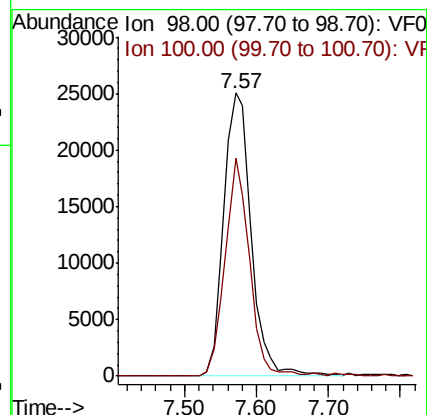
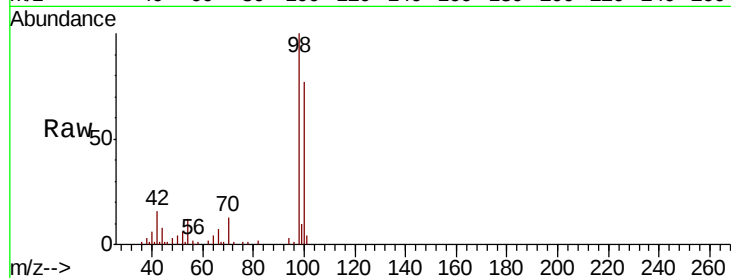
S72-0058

Tot Ion: 98 Resp: 65982

Ion Ratio Lower Upper

98 100

100 77.2 55.3 82.9



#62

4-Bromofluorobenzene

Concen: 26.663 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061241.D

Acq: 28 Dec 2018 17:44

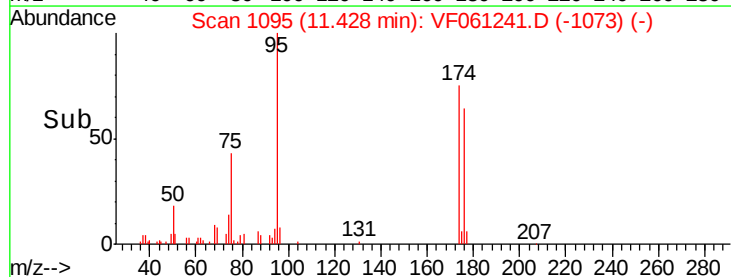
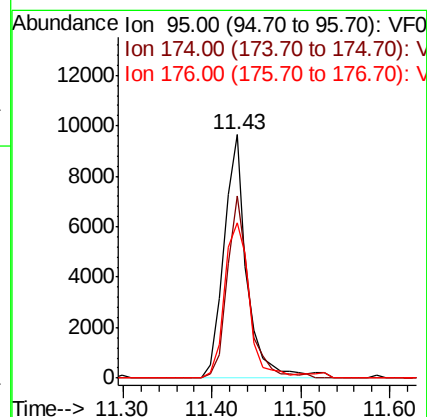
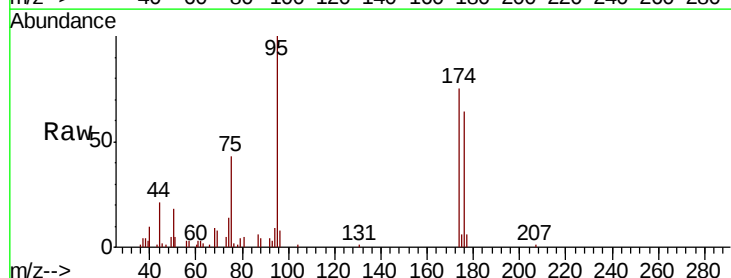
Tgt Ion: 95 Resp: 17527

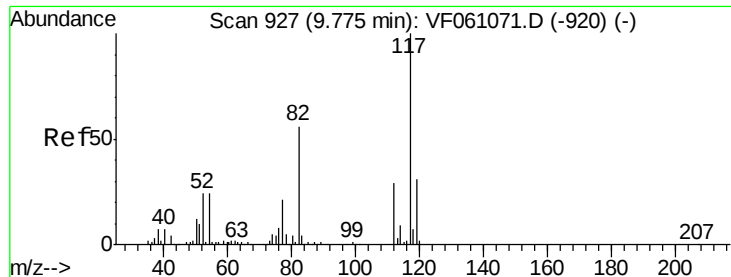
Ion Ratio Lower Upper

95 100

174 74.7 0.0 143.8

176 63.8 0.0 147.6

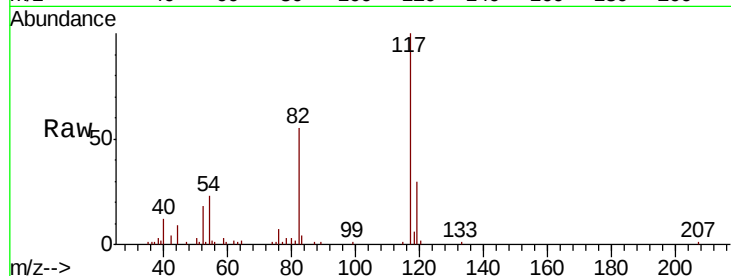




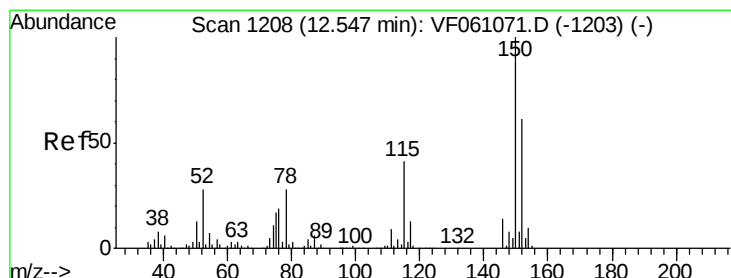
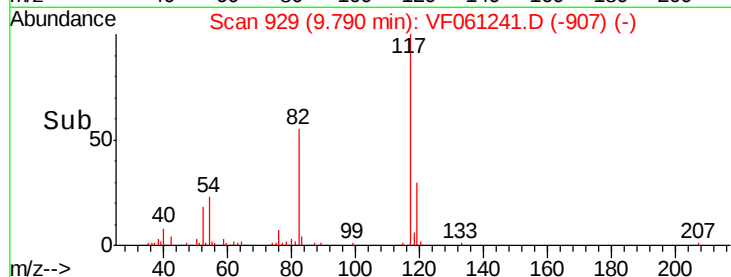
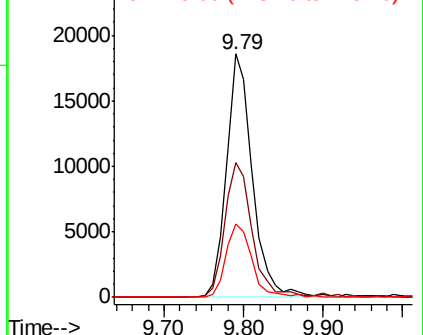
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061241.D
Acq: 28 Dec 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
S72-0058

Tot Ion:117 Resp: 42696
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 30.3 24.8 37.2

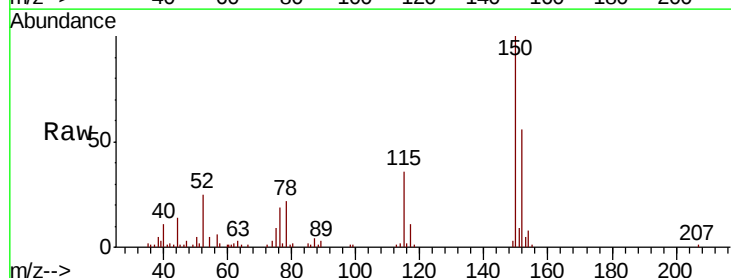


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061241.D
Acq: 28 Dec 2018 17:44

Tgt Ion:152 Resp: 15989
Ion Ratio Lower Upper
152 100
115 63.9 33.3 99.9
150 178.8 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

