

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061251.D
 Acq On : 2 Jan 2019 13:43
 Operator : VA/AP
 Sample : J6193-13
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-122718-B

Quant Time: Jan 02 15:11:37 2019
 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	4.86	168	261375	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	428514	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	381037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	184908	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	140591	41.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.64%	
35) Dibromofluoromethane	4.10	113	154412	44.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.96%	
50) Toluene-d8	7.54	98	391421	40.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	80.48%	
62) 4-Bromofluorobenzene	11.41	95	183819	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	

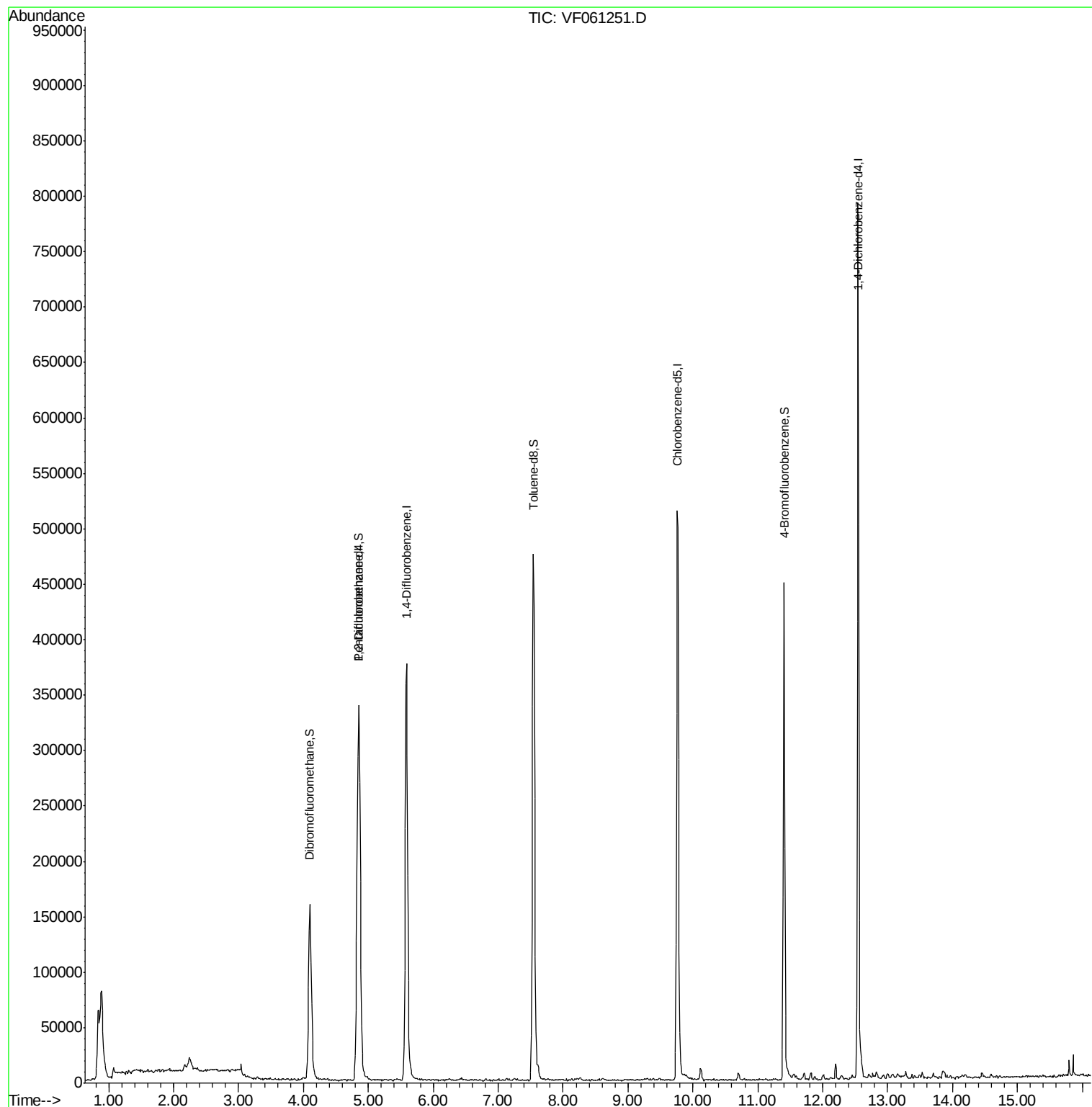
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061251.D

Acq: 2 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

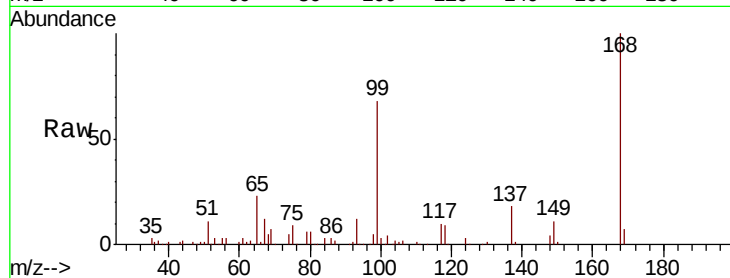
CL-02-122718-B

Tot Ion:168 Resp: 261375

Ion Ratio Lower Upper

168 100

99 68.1 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

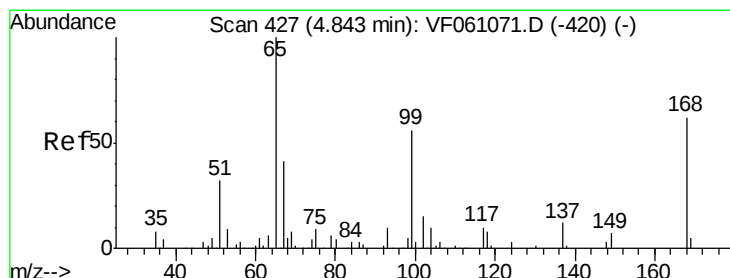
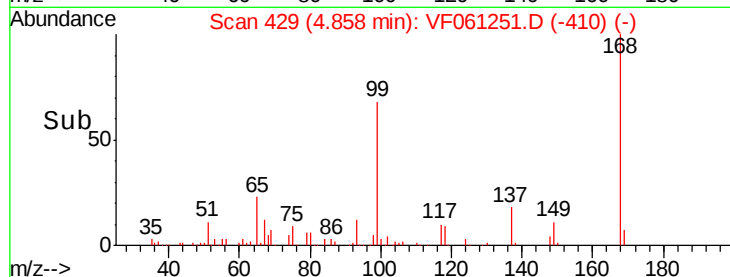
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 41.821 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061251.D

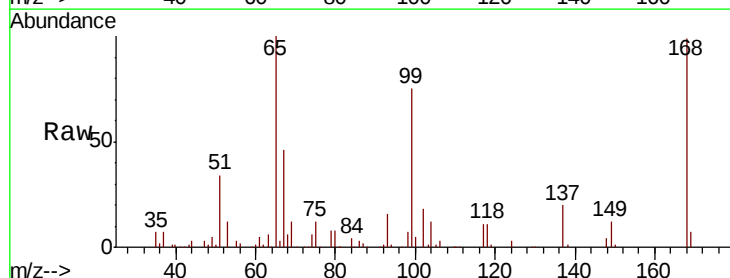
Acq: 2 Jan 2019 13:43

Tgt Ion: 65 Resp: 140591

Ion Ratio Lower Upper

65 100

67 46.3 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

50000

40000

30000

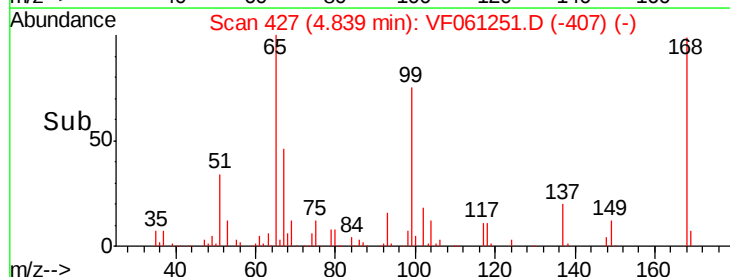
20000

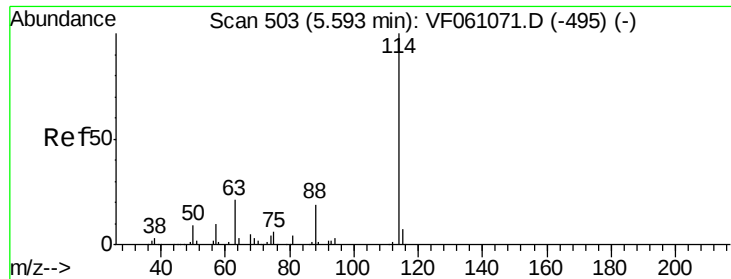
10000

0

Time-->

4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061251.D

Acq: 2 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

CL-02-122718-B

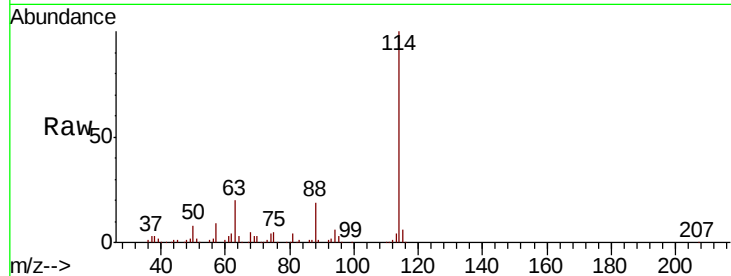
Tot Ion:114 Resp: 428514

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

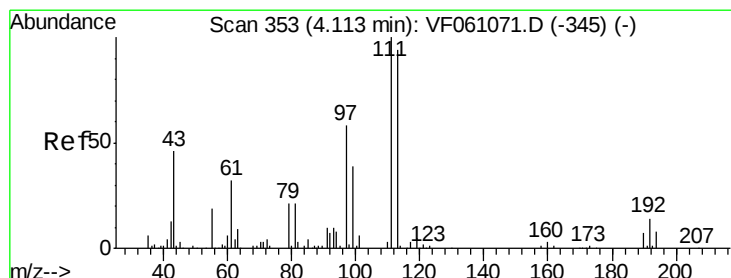
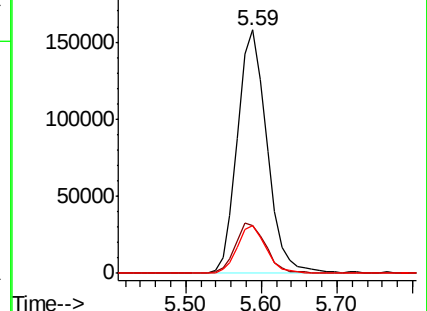
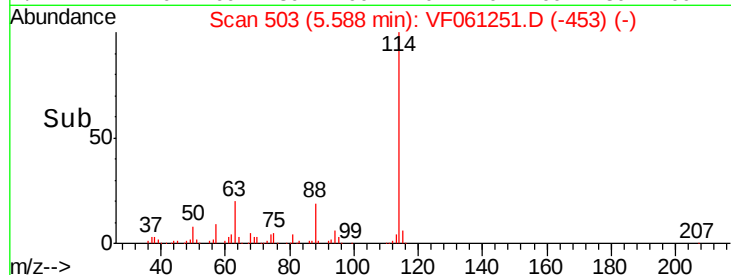
88 19.4 0.0 38.0



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: 44.983 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061251.D

Acq: 2 Jan 2019 13:43

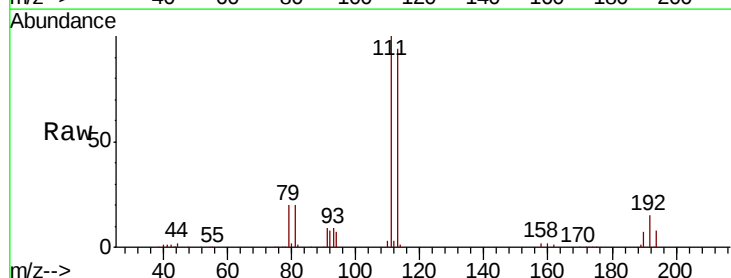
Tgt Ion:113 Resp: 154412

Ion Ratio Lower Upper

113 100

111 106.5 85.2 127.8

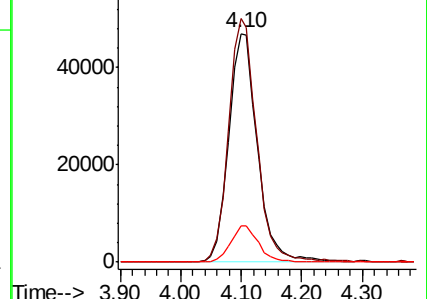
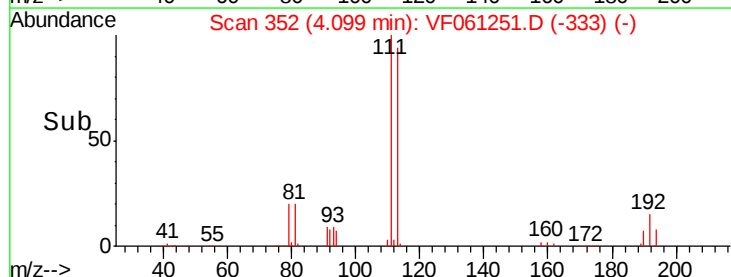
192 16.1 12.8 19.2

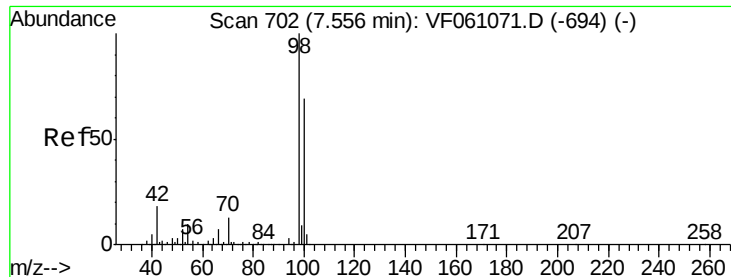


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 40.238 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061251.D

Acq: 2 Jan 2019 13:43

Instrument :

MSVOA_F

ClientSampleId :

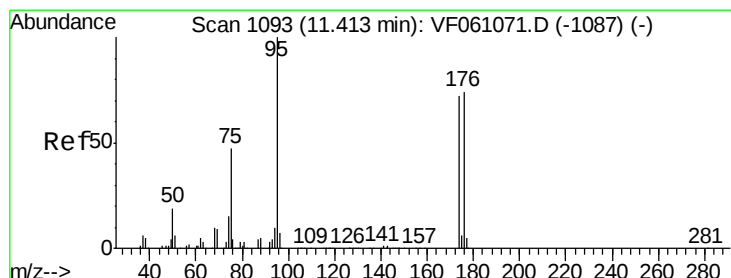
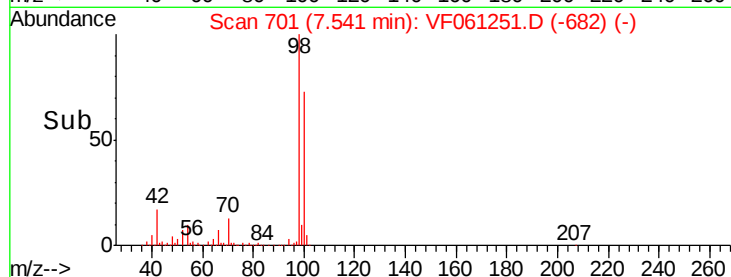
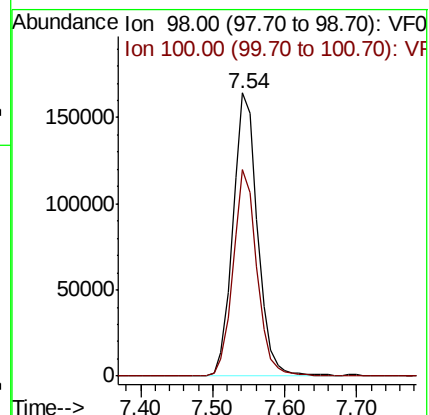
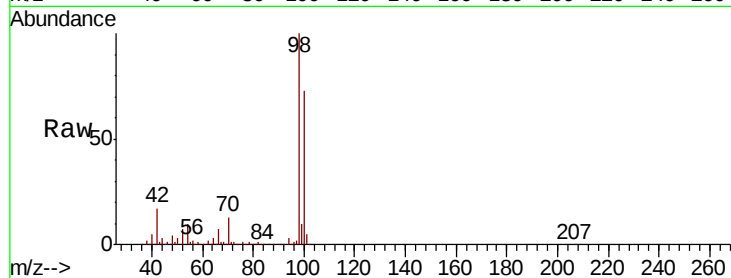
CL-02-122718-B

Tot Ion: 98 Resp: 391421

Ion Ratio Lower Upper

98 100

100 72.9 55.3 82.9



#62

4-Bromofluorobenzene

Concen: 40.989 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061251.D

Acq: 2 Jan 2019 13:43

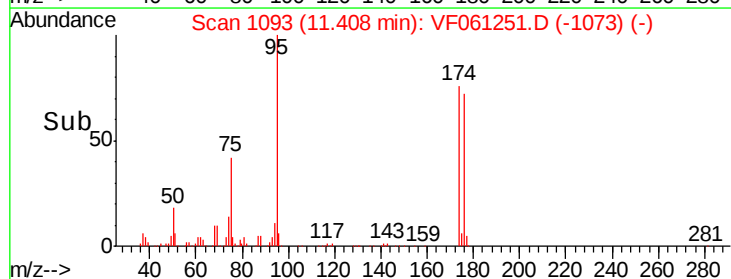
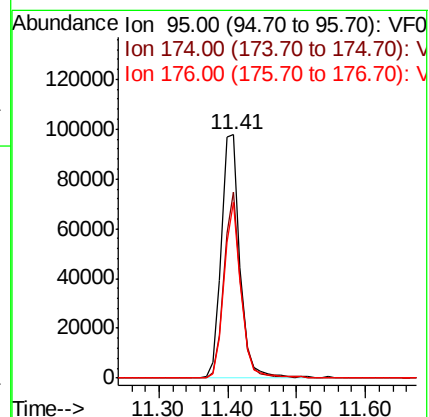
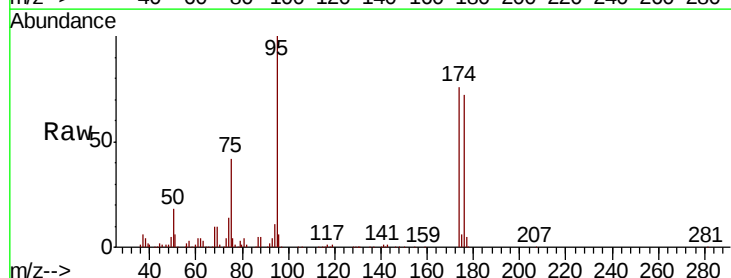
Tgt Ion: 95 Resp: 183819

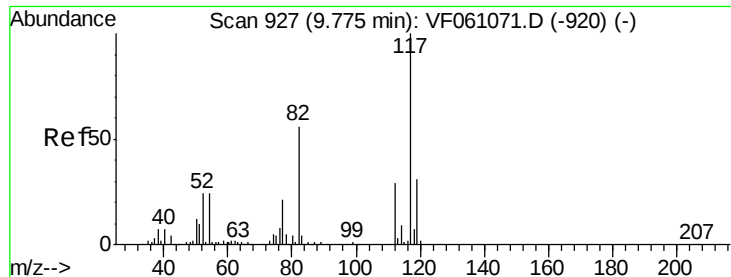
Ion Ratio Lower Upper

95 100

174 76.3 0.0 143.8

176 72.3 0.0 147.6

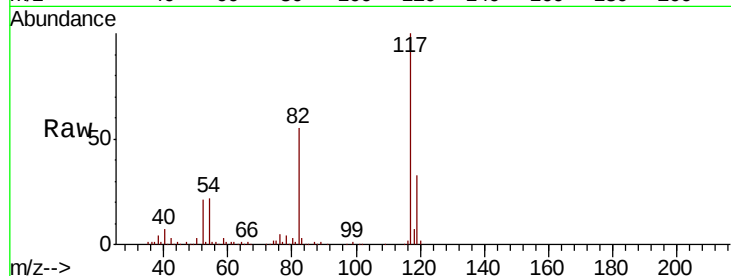




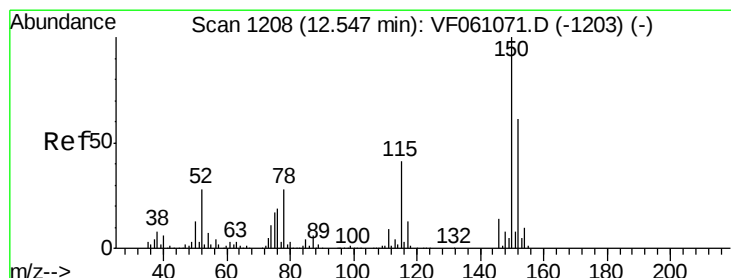
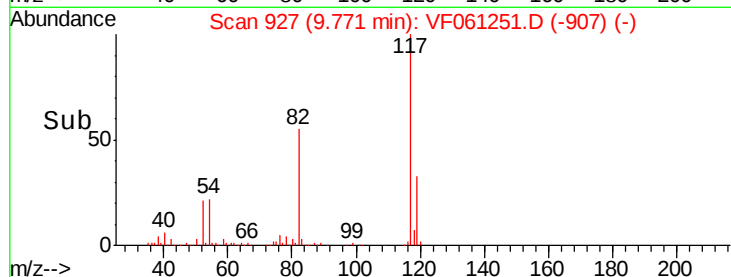
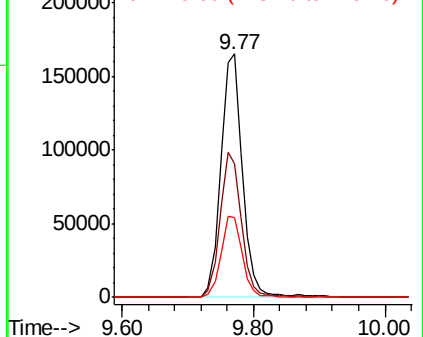
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061251.D
Acq: 2 Jan 2019 13:43

Instrument :
MSVOA_F
ClientSampleId :
CL-02-122718-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	45.0	67.4
119	32.9	24.8	37.2

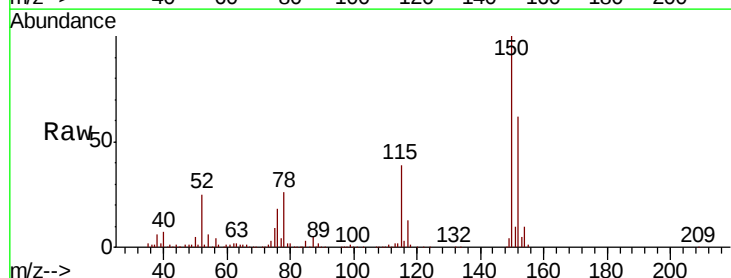


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061251.D
Acq: 2 Jan 2019 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	33.3	99.9
150	161.3	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

