

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061391.D
 Acq On : 14 Jan 2019 16:07
 Operator : VA/AP
 Sample : K1128-01
 Misc : 4.27g/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:41:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

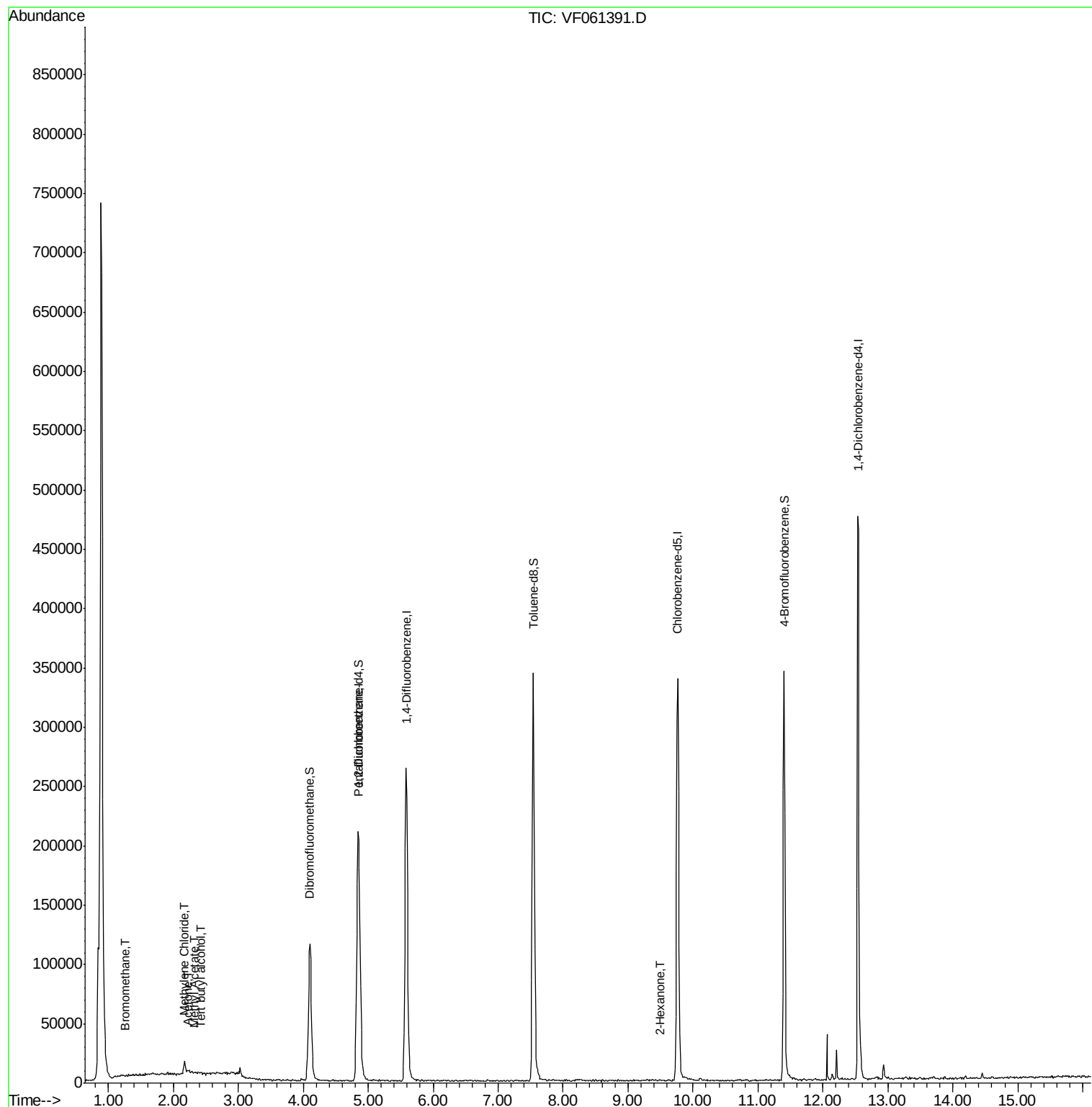
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	149851	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	291061	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	252259	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	131564	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	98394	58.99	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.98%	
35) Dibromofluoromethane	4.10	113	114500	51.41	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.82%	
50) Toluene-d8	7.55	98	301096	45.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	11.40	95	138432	48.10	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.20%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.26	94	522	3.170	ug/l #	6
11) Tert butyl alcohol	2.42	59	79	1.183	ug/l #	1
13) Acrolein	2.07	56	269	Below Cal		83
16) Acetone	2.23	43	1487	3.832	ug/l #	87
18) Methyl Acetate	2.33	43	1285	1.683	ug/l #	65
20) Methylene Chloride	2.17	84	5137	3.130	ug/l #	82
59) 2-Hexanone	9.49	43	971	1.111	ug/l	97

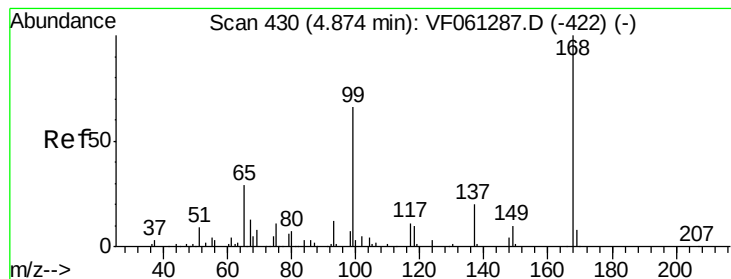
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061391.D

Acq: 14 Jan 2019 16:07

Instrument :

MSVOA_F

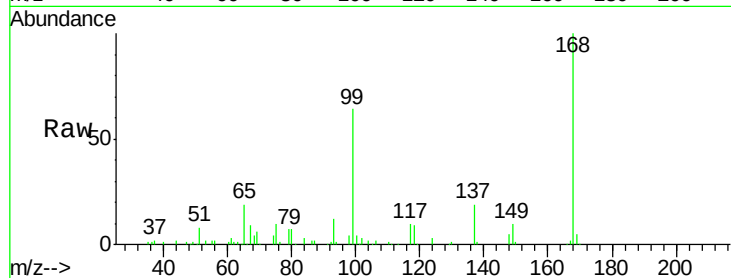
ClientSampleId :

Tot Ion:168 Resp: 149851

Ion Ratio Lower Upper

168 100

99 63.6 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

50000

40000

30000

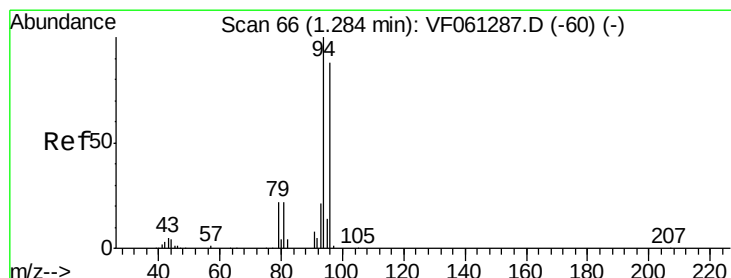
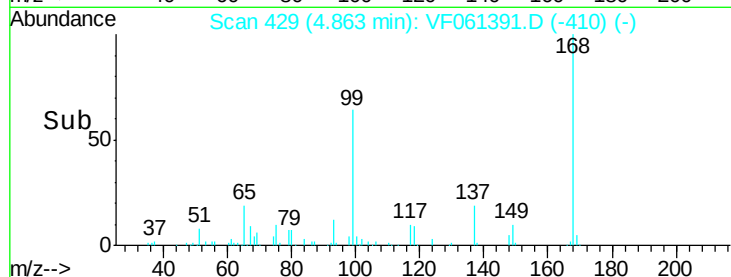
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#5

Bromomethane

Concen: 3.170 ug/l

RT: 1.26 min Scan# 64

Delta R.T. -0.02 min

Lab File: VF061391.D

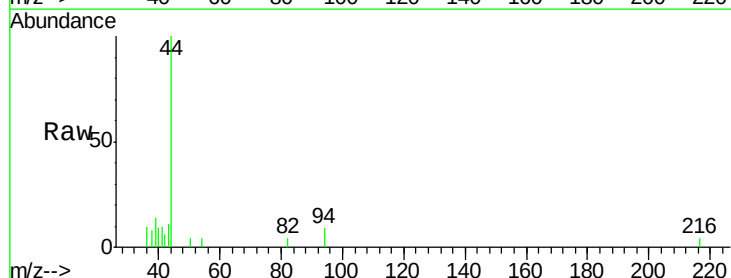
Acq: 14 Jan 2019 16:07

Tgt Ion: 94 Resp: 522

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.26

300

250

200

150

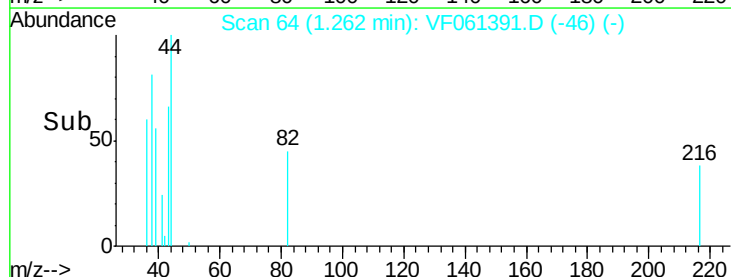
100

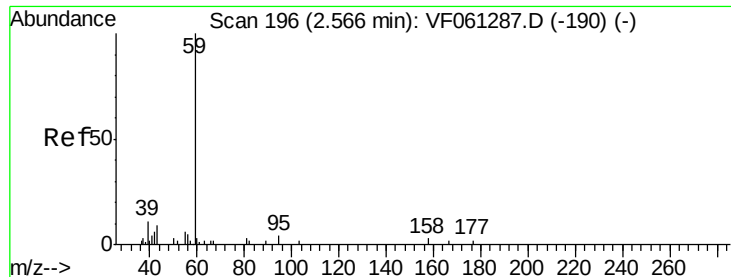
50

0

Time-->

1.25 1.30



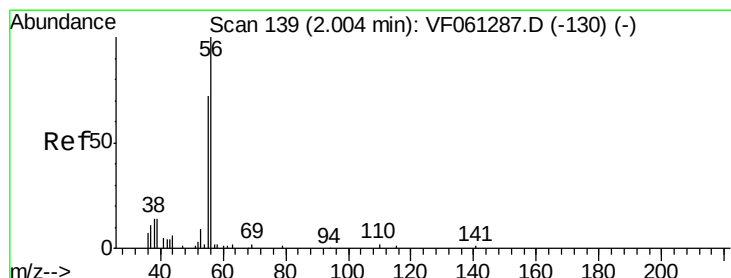
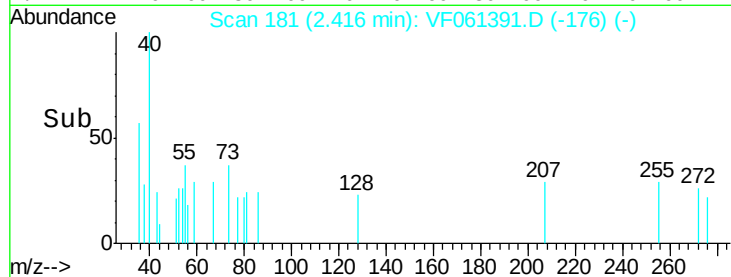
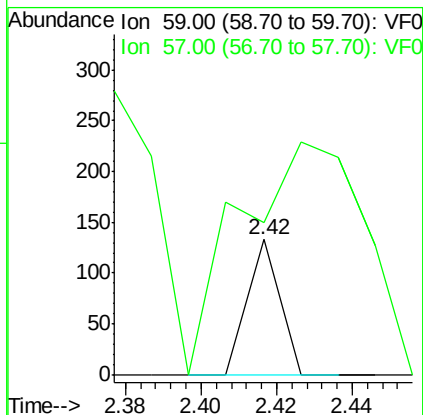
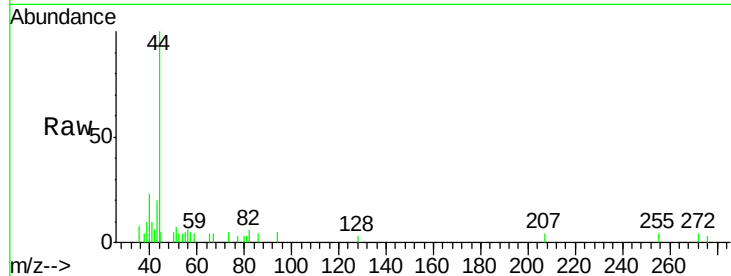


#11

Tert butyl alcohol
Concen: 1.183 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.15 min
Lab File: VF061391.D
Acq: 14 Jan 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :

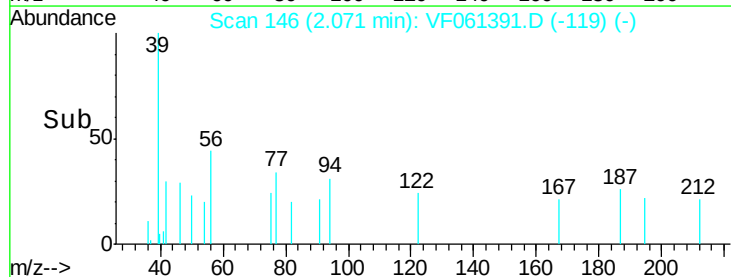
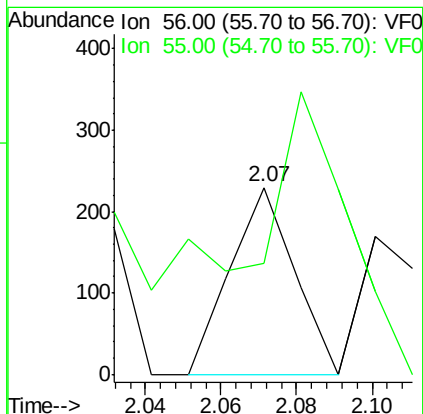
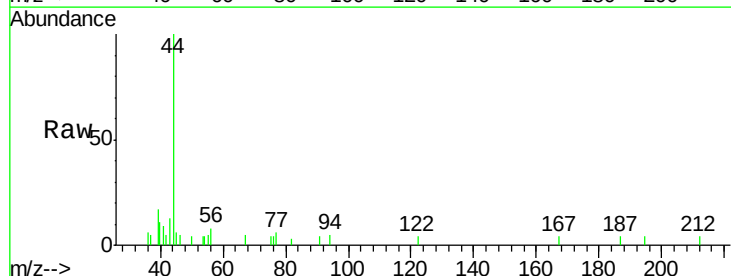
Tot Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 112.8 15.1 22.7#

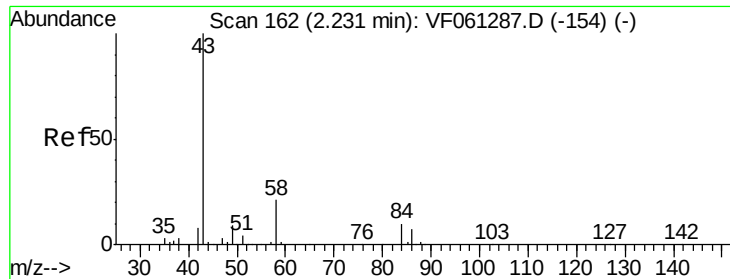


#13

Acrolein
Concen: Below Cal
RT: 2.07 min Scan# 146
Delta R.T. 0.07 min
Lab File: VF061391.D
Acq: 14 Jan 2019 16:07

Tgt Ion: 56 Resp: 269
Ion Ratio Lower Upper
56 100
55 59.6 59.4 89.0





#16

Acetone

Concen: 3.832 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061391.D

Acq: 14 Jan 2019 16:07

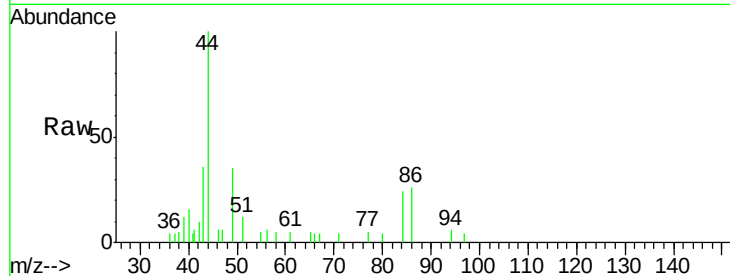
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1487

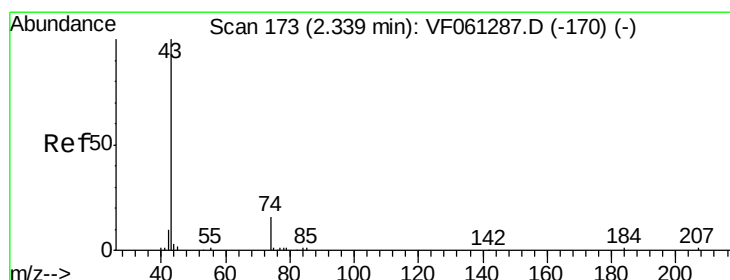
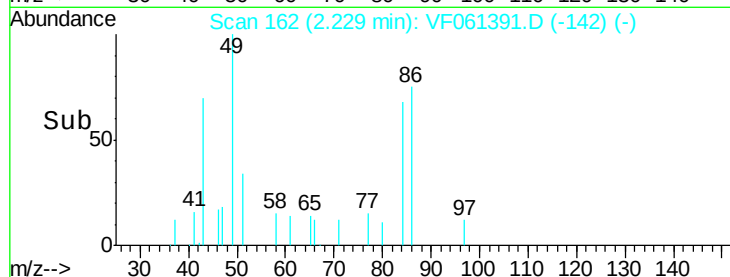
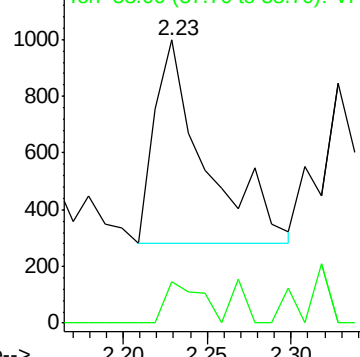
Ion Ratio Lower Upper

43 100

58 14.7 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.683 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF061391.D

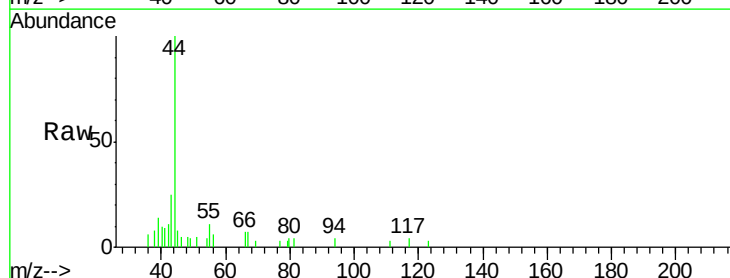
Acq: 14 Jan 2019 16:07

Tgt Ion: 43 Resp: 1285

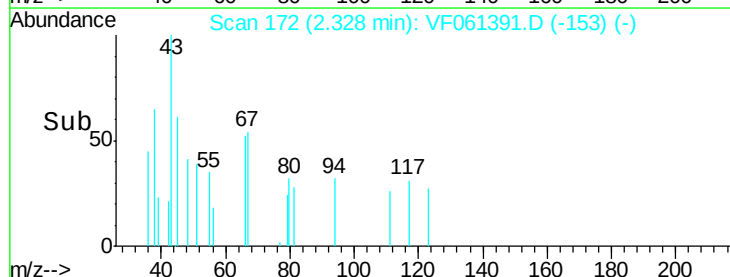
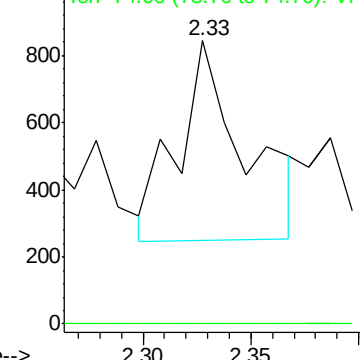
Ion Ratio Lower Upper

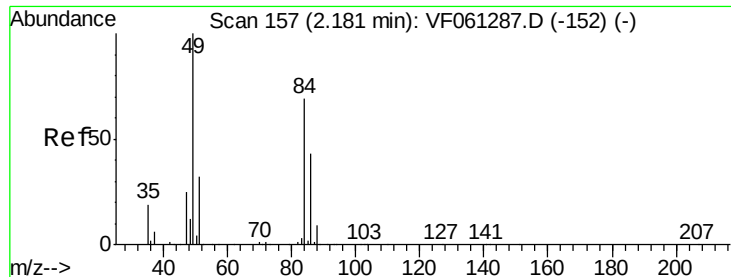
43 100

74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0

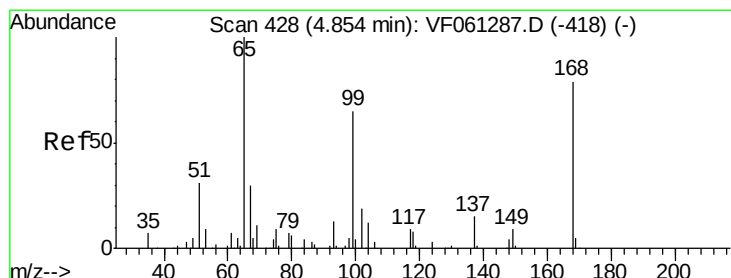
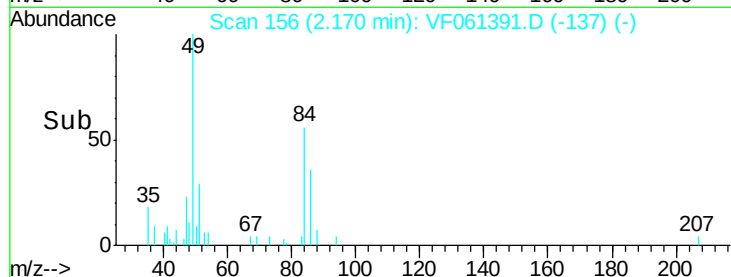
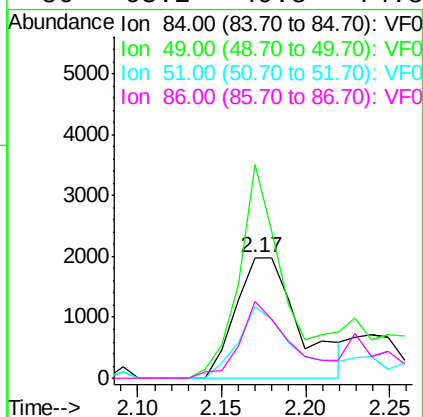
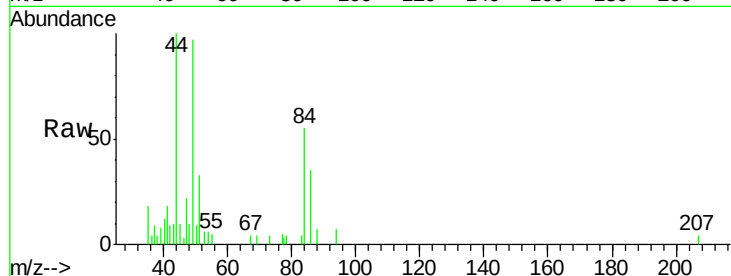




#20
Methylene Chloride
Concen: 3.130 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061391.D
Acq: 14 Jan 2019 16:07

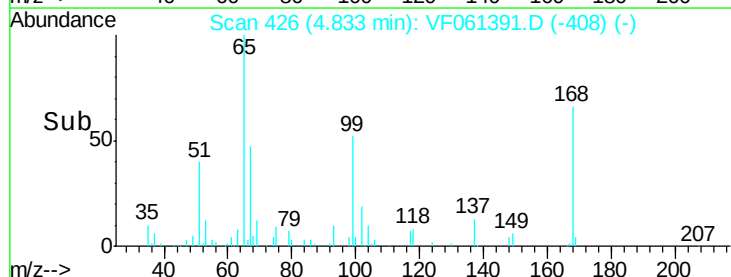
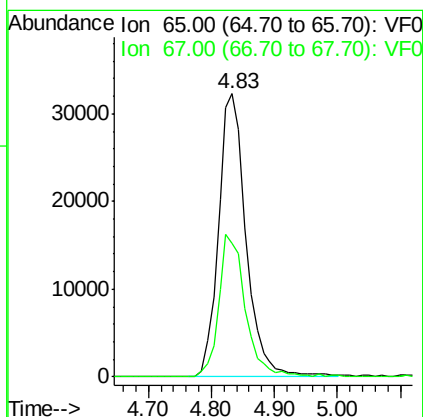
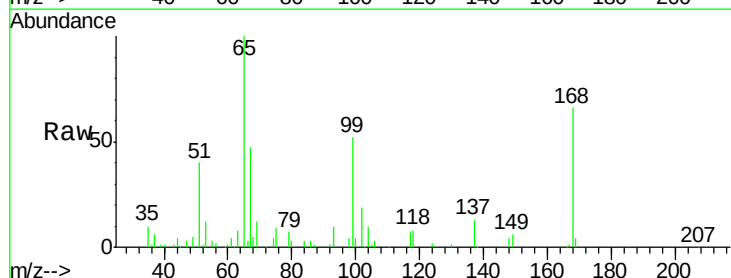
Instrument :
MSVOA_F
ClientSampleId :

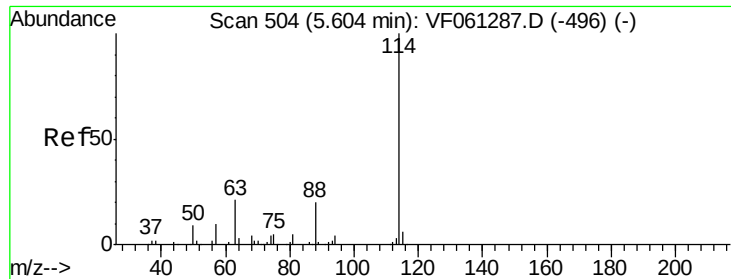
Tot Ion: 84 Resp: 5137
Ion Ratio Lower Upper
84 100
49 177.1 116.6 175.0#
51 59.5 37.7 56.5#
86 63.2 49.8 74.8



#33
1,2-Dichloroethane-d4
Concen: 58.992 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061391.D
Acq: 14 Jan 2019 16:07

Tgt Ion: 65 Resp: 98394
Ion Ratio Lower Upper
65 100
67 47.1 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061391.D

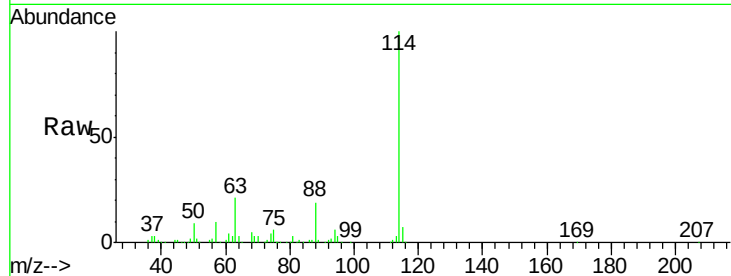
Acq: 14 Jan 2019 16:07

Instrument :

MSVOA_F

ClientSampleId :

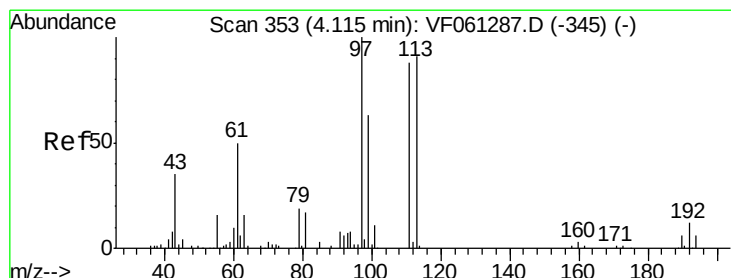
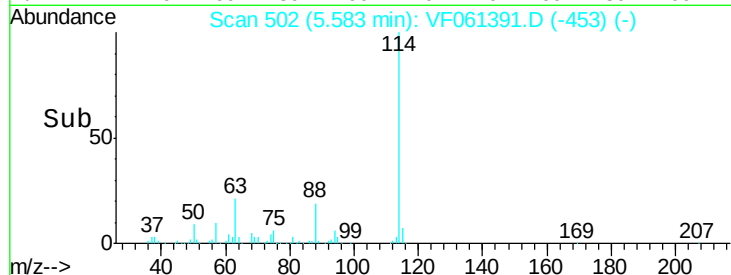
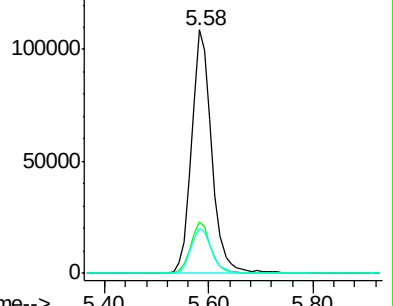
Tot Ion:114	Resp:	291061
Ion Ratio	Lower	Upper
114 100		
63 21.1	0.0	42.8
88 18.5	0.0	40.0



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: 51.412 ug/l

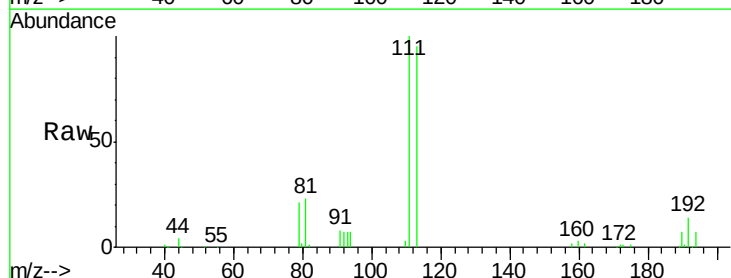
RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061391.D

Acq: 14 Jan 2019 16:07

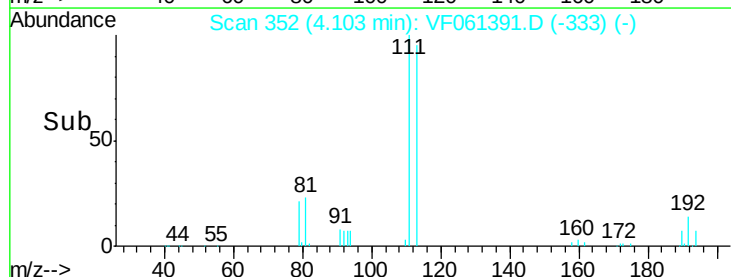
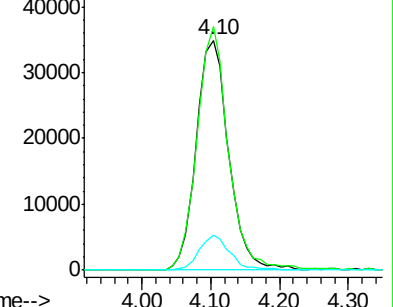
Tgt Ion:113	Resp:	114500
Ion Ratio	Lower	Upper
113 100		
111 105.8	78.0	117.0
192 15.2	10.6	16.0

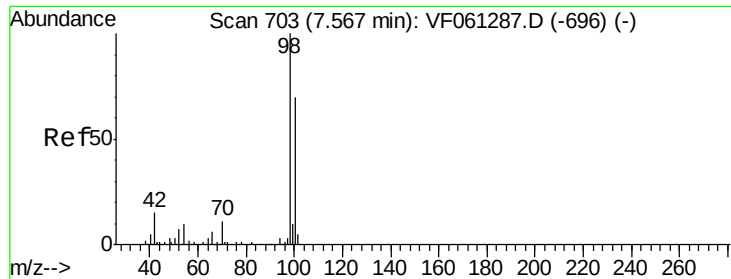


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 45.686 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061391.D

Acq: 14 Jan 2019 16:07

Instrument :

MSVOA_F

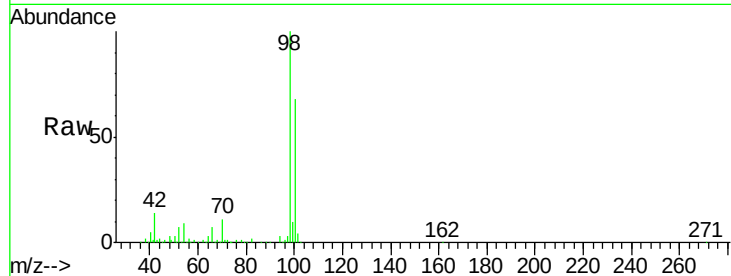
ClientSampled :

Tot Ion: 98 Resp: 301096

Ion Ratio Lower Upper

98 100

100 67.6 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

150000

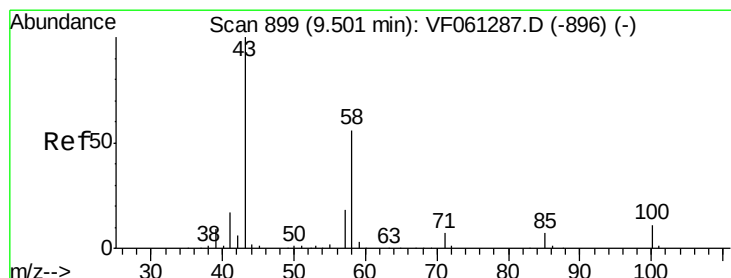
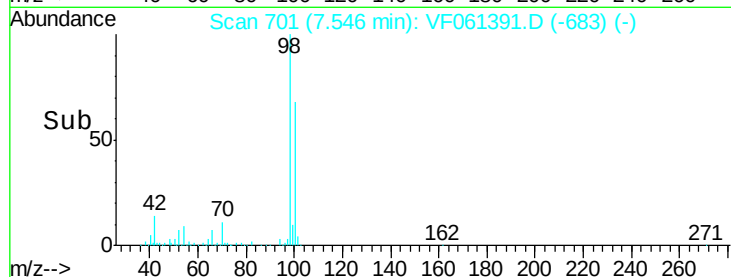
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#59

2-Hexanone

Concen: 1.111 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061391.D

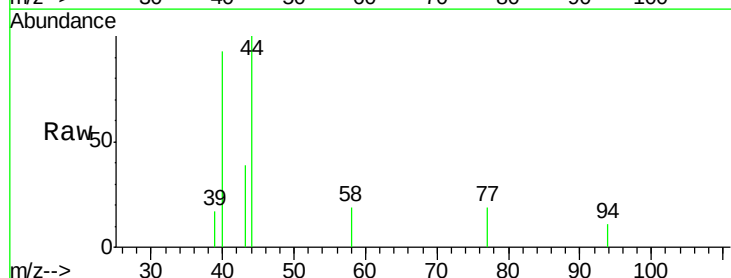
Acq: 14 Jan 2019 16:07

Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

58 49.1 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.49

400

300

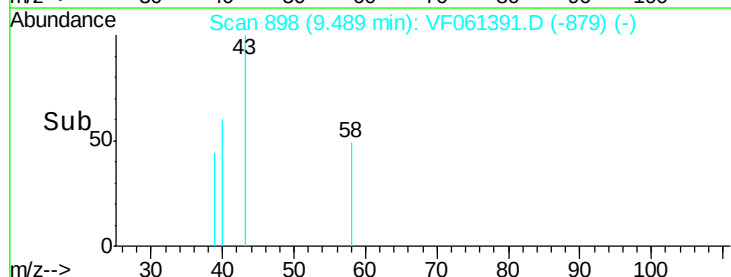
200

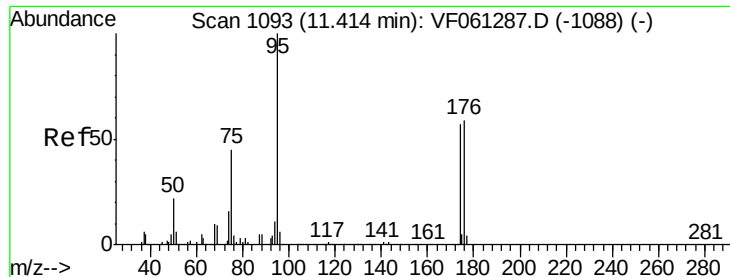
100

0

Time-->

9.45 9.50





#62

4-Bromofluorobenzene

Concen: 48.103 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061391.D

Acq: 14 Jan 2019 16:07

Instrument :

MSVOA_F

ClientSampled :

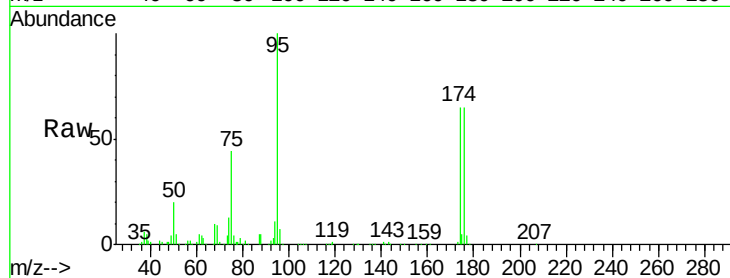
Tot Ion: 95 Resp: 138432

Ion Ratio Lower Upper

95 100

174 65.4 0.0 114.2

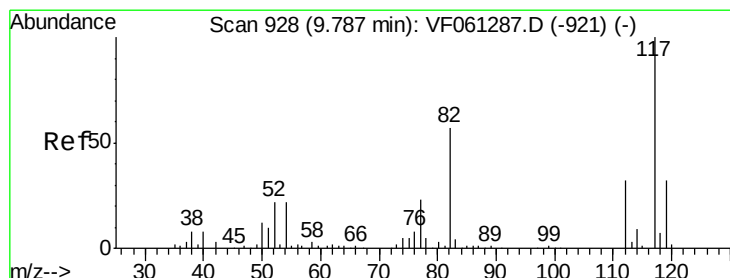
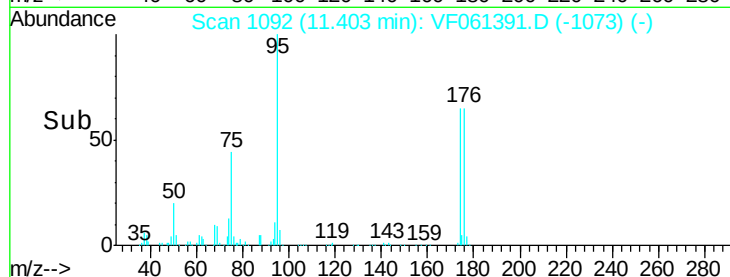
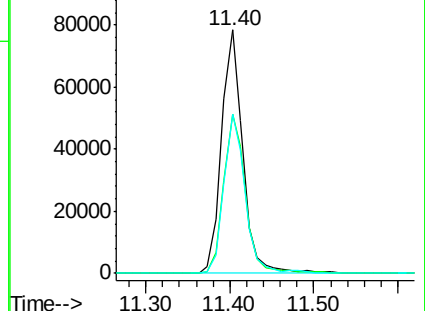
176 65.2 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF061287.D (-1088) (-)

Ion 174.00 (173.70 to 174.70): VF061287.D (-1088) (-)

Ion 176.00 (175.70 to 176.70): VF061287.D (-1088) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061391.D

Acq: 14 Jan 2019 16:07

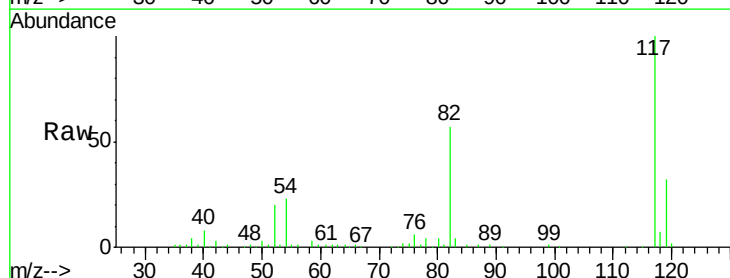
Tgt Ion: 117 Resp: 252259

Ion Ratio Lower Upper

117 100

82 57.3 45.3 67.9

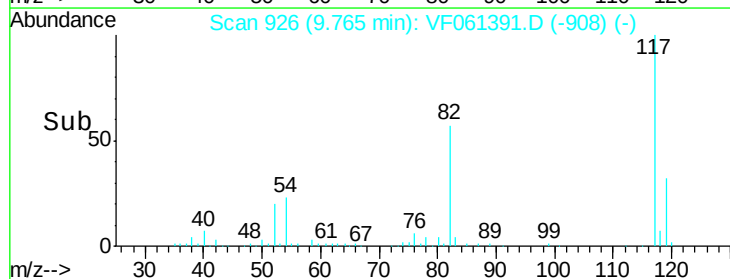
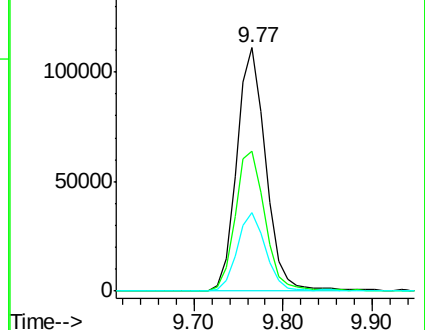
119 32.1 25.4 38.0

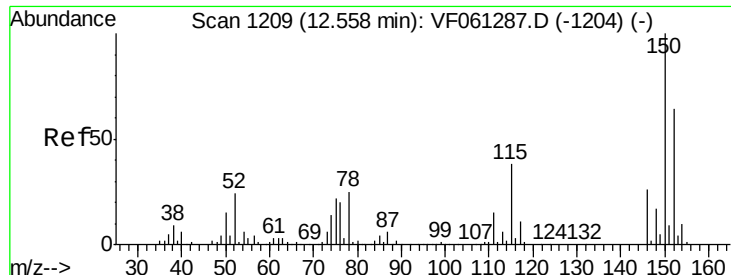


Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-921) (-)

Ion 82.00 (81.70 to 82.70): VF061287.D (-921) (-)

Ion 119.00 (118.70 to 119.70): VF061287.D (-921) (-)

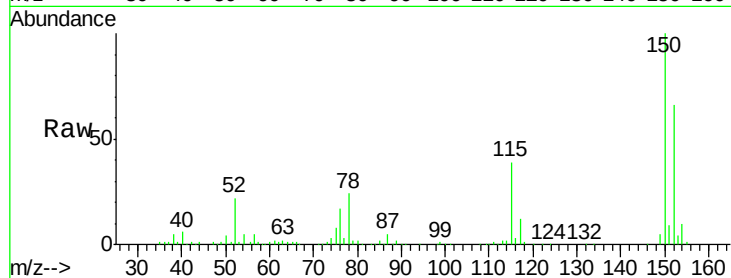




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061391.D
 Acq: 14 Jan 2019 16:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.6	88.9
150	151.0	0.0	315.4



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

