

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020719\
 Data File : VF061554.D
 Acq On : 7 Feb 2019 19:37
 Operator : VA/AP
 Sample : K1404-05
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DUP-02-06-19

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:36:38 PM

Quant Time: Feb 09 05:24:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	154437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	295612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	273667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	153359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	112722	59.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.24%	
35) Dibromofluoromethane	4.11	113	118388	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
50) Toluene-d8	7.56	98	301514	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.41	95	145219	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
Target Compounds						
20) Methylene Chloride	2.26	84	7911m	4.493	ug/l	
95) Naphthalene	14.45	128	11477	1.750	ug/l #	93

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

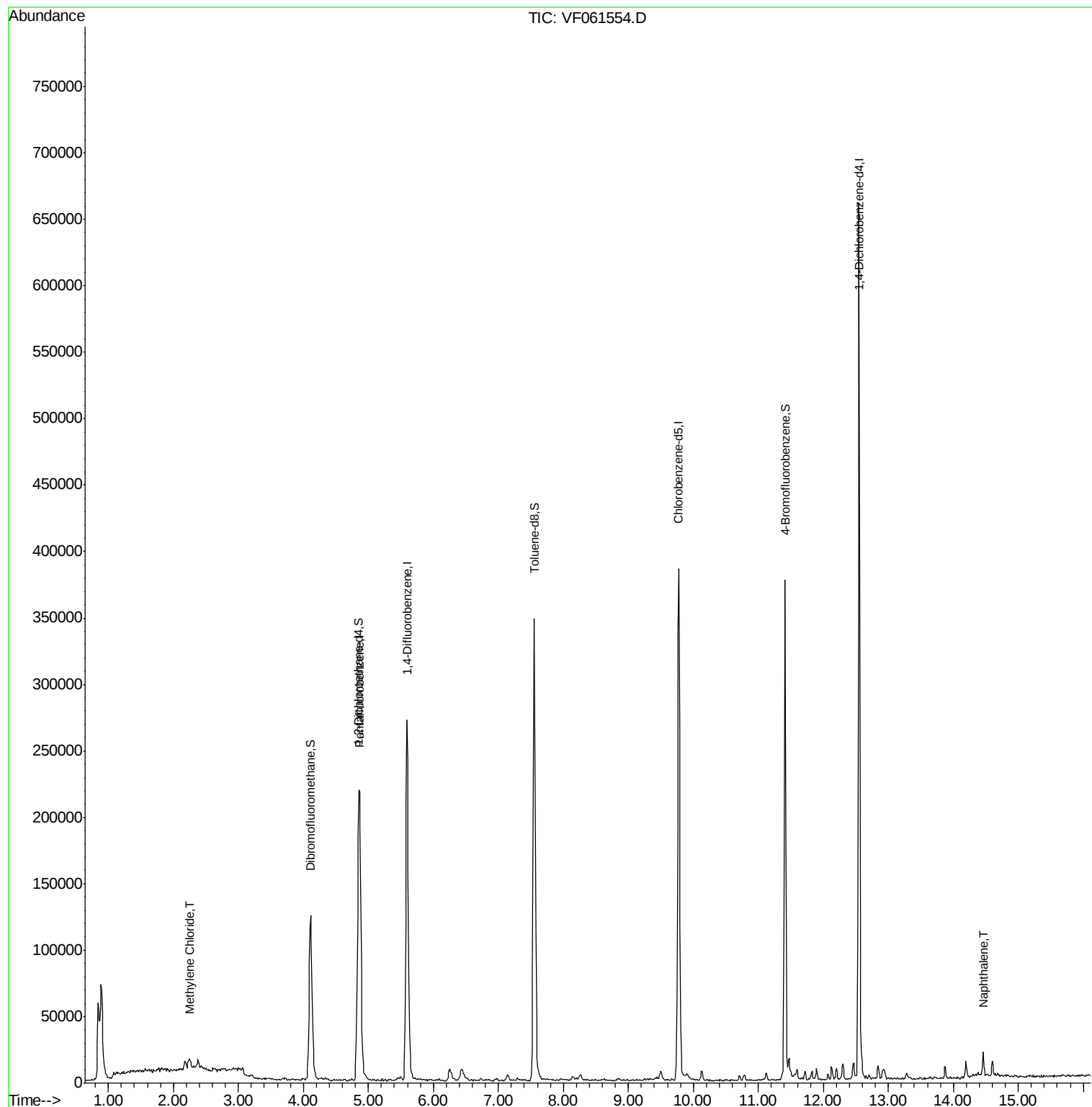
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020719\
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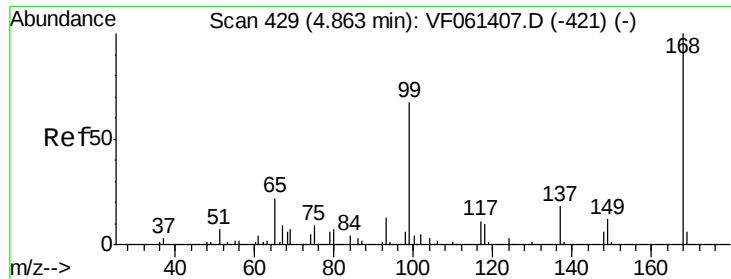
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

DUP-02-06-19

Tot Ion:168 Resp: 154437

Ion Ratio Lower Upper

168 100

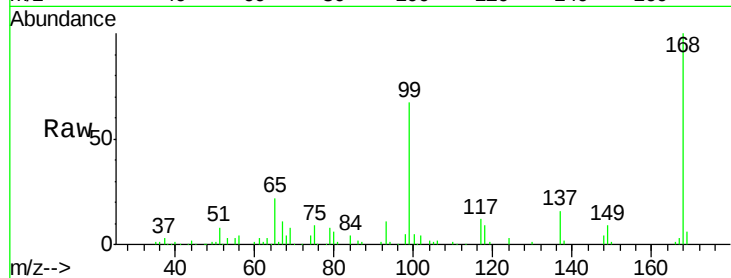
99 66.8 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

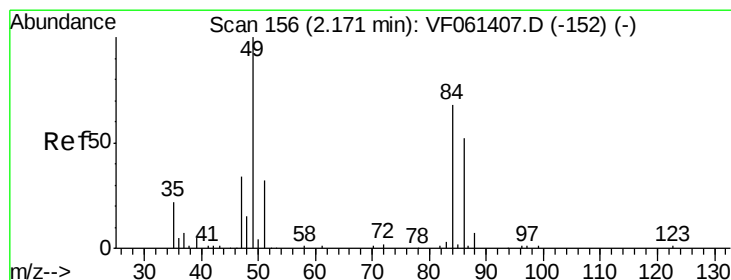
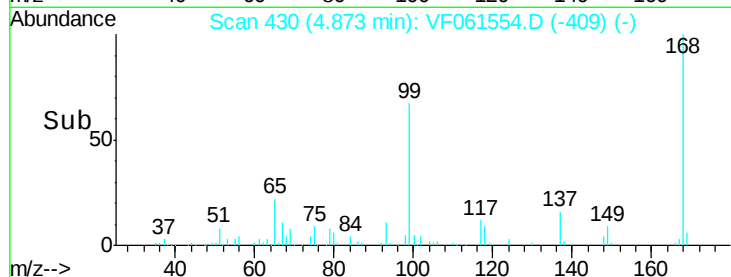
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00



#20

Methylene Chloride

Concen: 4.493 ug/l m

RT: 2.26 min Scan# 165

Delta R.T. 0.09 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Tgt Ion: 84 Resp: 7911

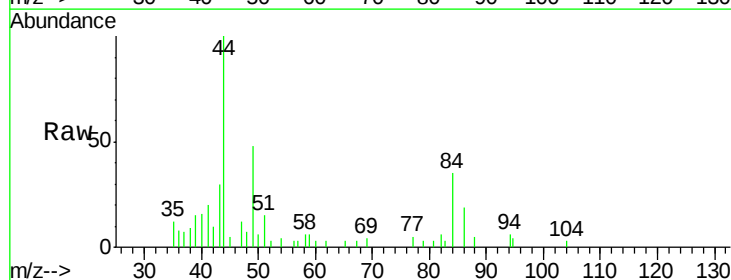
Ion Ratio Lower Upper

84 100

49 136.3 120.0 180.0

51 41.3 38.6 58.0

86 53.9 61.0 91.6#



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

3000

2500

2000

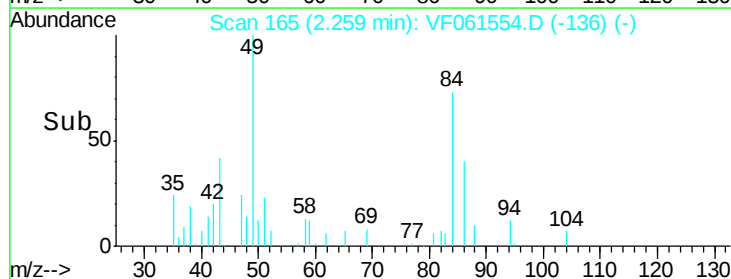
1500

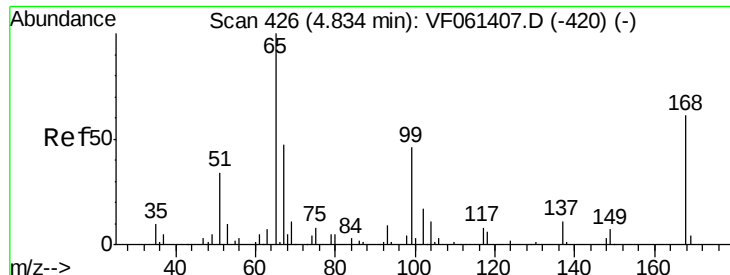
1000

500

0

Time--> 2.10 2.20 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 59.118 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Tot Ion: 65 Resp: 112722

Ion Ratio Lower Upper

65 100

67 46.2 0.0 99.8

Instrument :

MSVOA_F

ClientSampled :

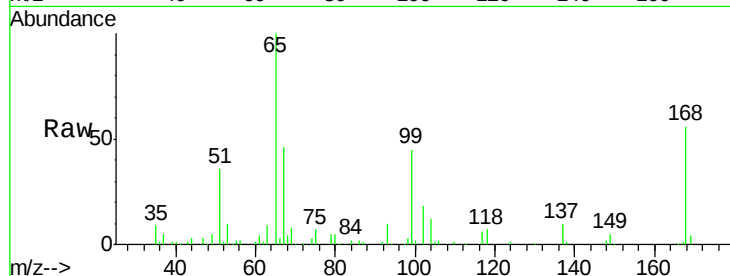
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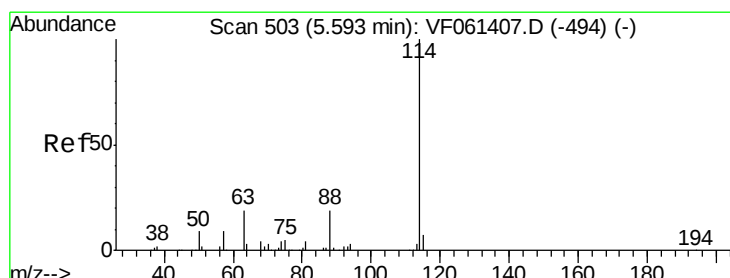
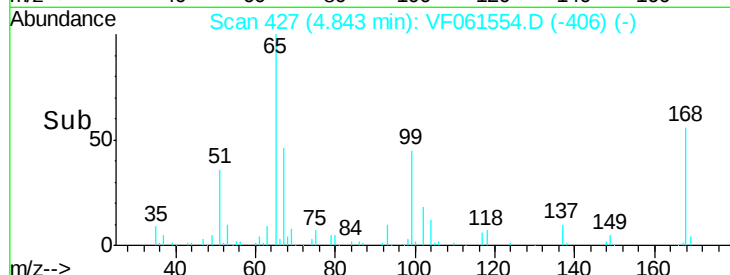
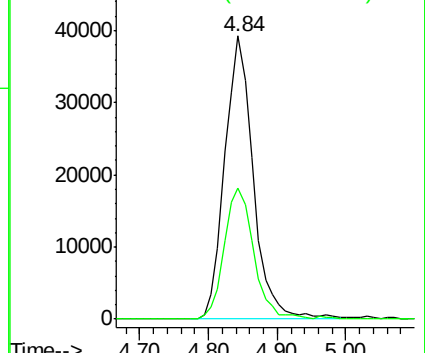
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

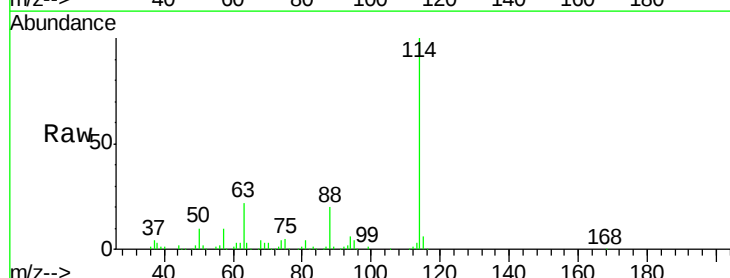
Tgt Ion: 114 Resp: 295612

Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.0

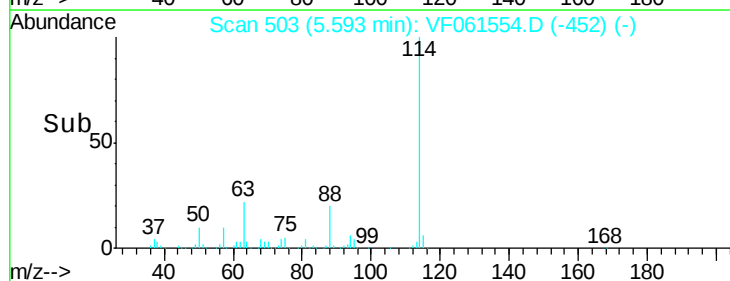
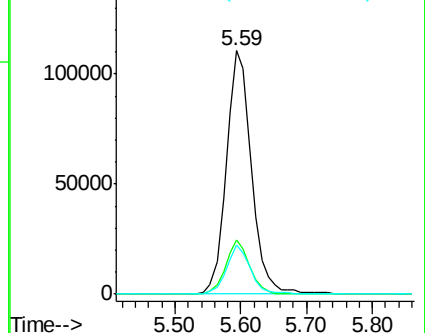
88 20.1 0.0 37.4

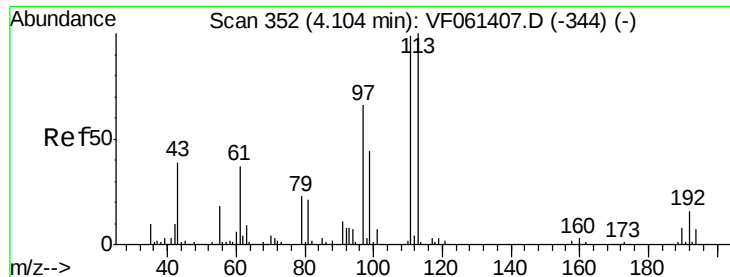


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.753 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

DUP-02-06-19

Tot Ion: 113 Resp: 118388

Ion Ratio Lower Upper

113 100

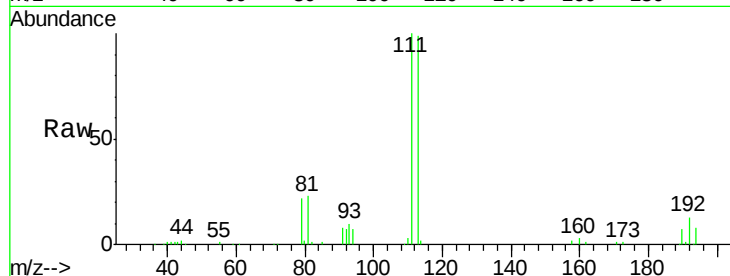
111 101.0 79.4 119.0

192 13.3 12.4 18.6

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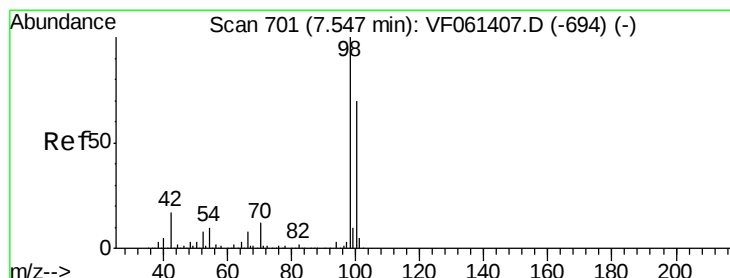
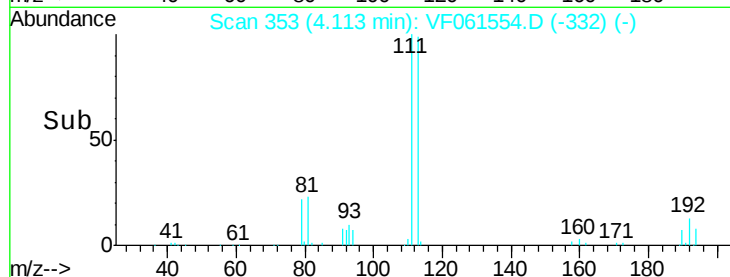
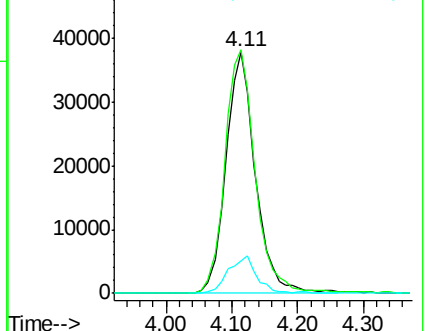
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Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 47.178 ug/l

RT: 7.56 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061554.D

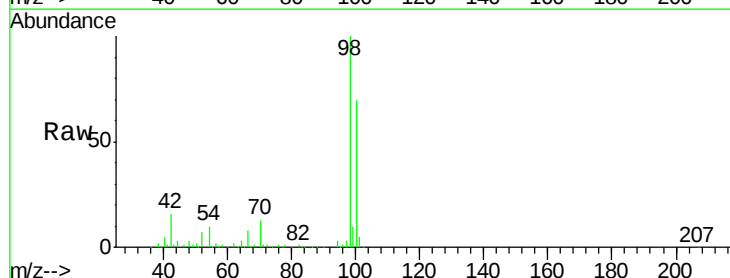
Acq: 7 Feb 2019 19:37

Tgt Ion: 98 Resp: 301514

Ion Ratio Lower Upper

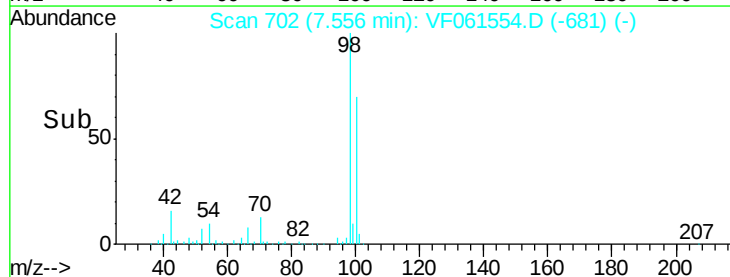
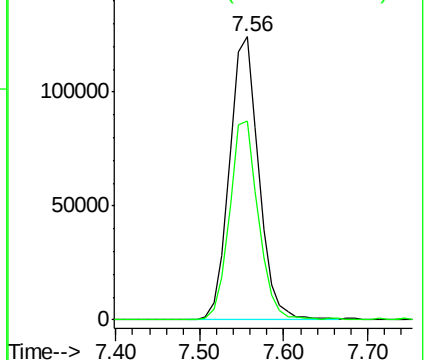
98 100

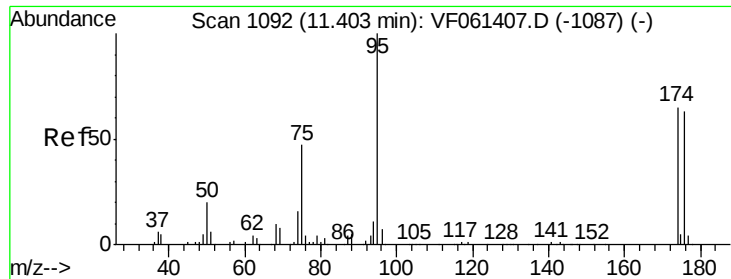
100 70.3 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 48.632 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Instrument :

MSVOA_F

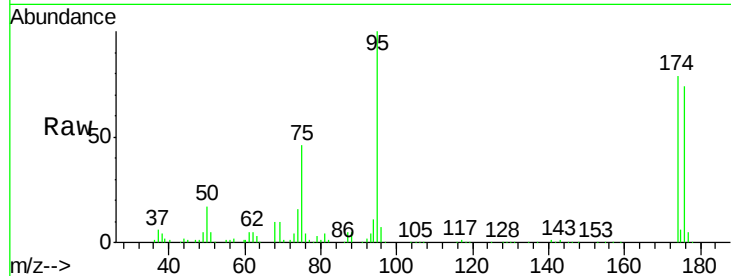
ClientSampled :

DUP-02-06-19

Tot Ion:	95	Resp:	145219
Ion Ratio	Lower	Upper	
95	100		
174	79.1	0.0	130.4
176	74.2	0.0	126.2

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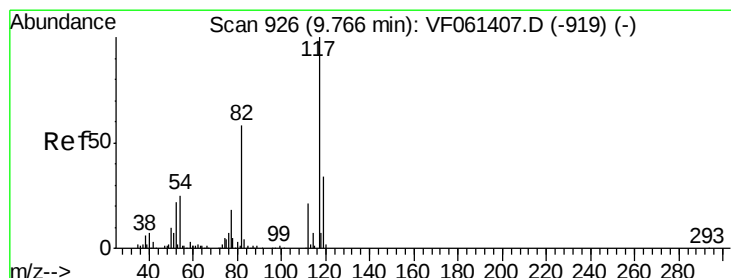
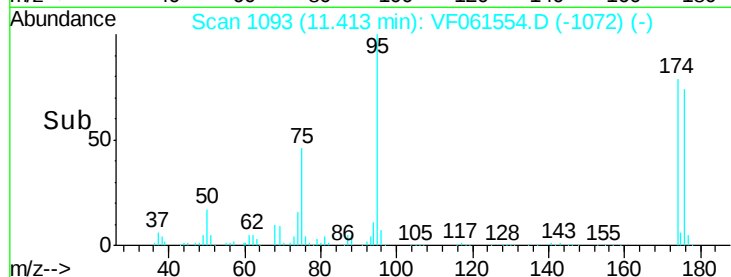
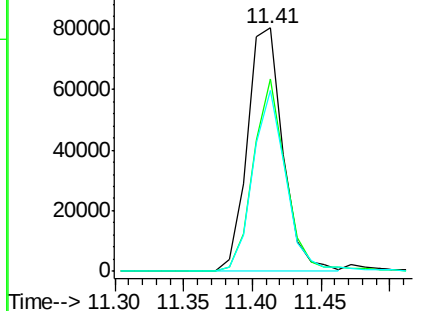
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Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

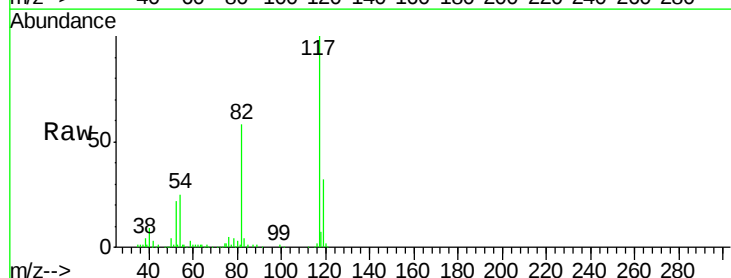
RT: 9.78 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

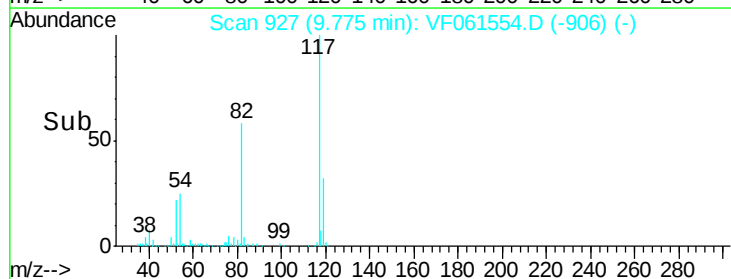
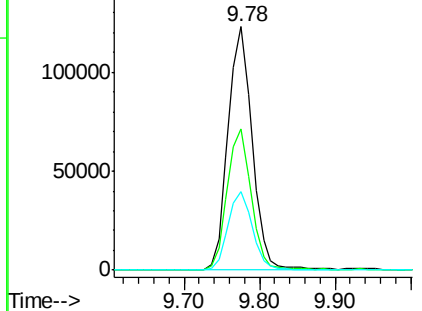
Tgt Ion:	117	Resp:	273667
Ion Ratio	Lower	Upper	
117	100		
82	57.9	46.4	69.6
119	32.4	27.2	40.8

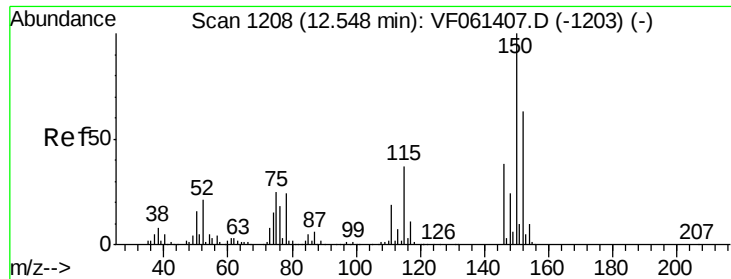


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Instrument :

MSVOA_F

ClientSampleId :

DUP-02-06-19

Tot Ion:152 Resp: 153359

Ion Ratio Lower Upper

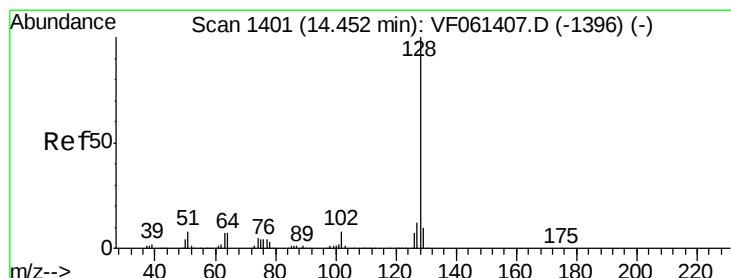
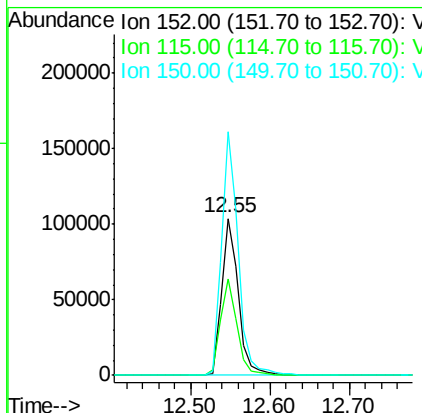
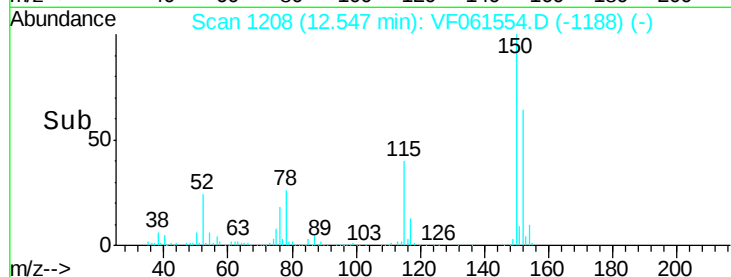
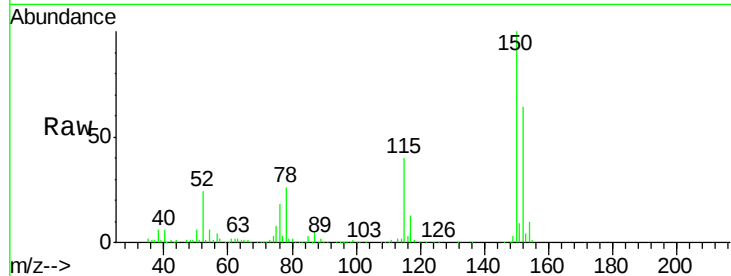
152 100

115 61.6 30.0 90.0

150 155.4 0.0 321.4

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#95

Naphthalene

Concen: 1.750 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061554.D

Acq: 7 Feb 2019 19:37

Tgt Ion:128 Resp: 11477

Ion Ratio Lower Upper

128 100

127 13.9 9.5 14.3

129 14.2 8.4 12.6#

