

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032980.D
 Acq On : 12 Dec 2018 10:55
 Operator : SY/AP
 Sample : J6264-15DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A55G1DL2

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 7:58:56 AM

Quant Time: Dec 12 15:59:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1039298	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2636577	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2495084	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1878971	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.67	45	16456m	1.536	ppbv	
15) Acetone	3.91	43	418925	4.696	ppbv	99
34) 2-Butanone	5.36	43	24358m	0.212	ppbv	
62) Isopropylbenzene	14.83	105	41371m	0.122	ppbv	

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

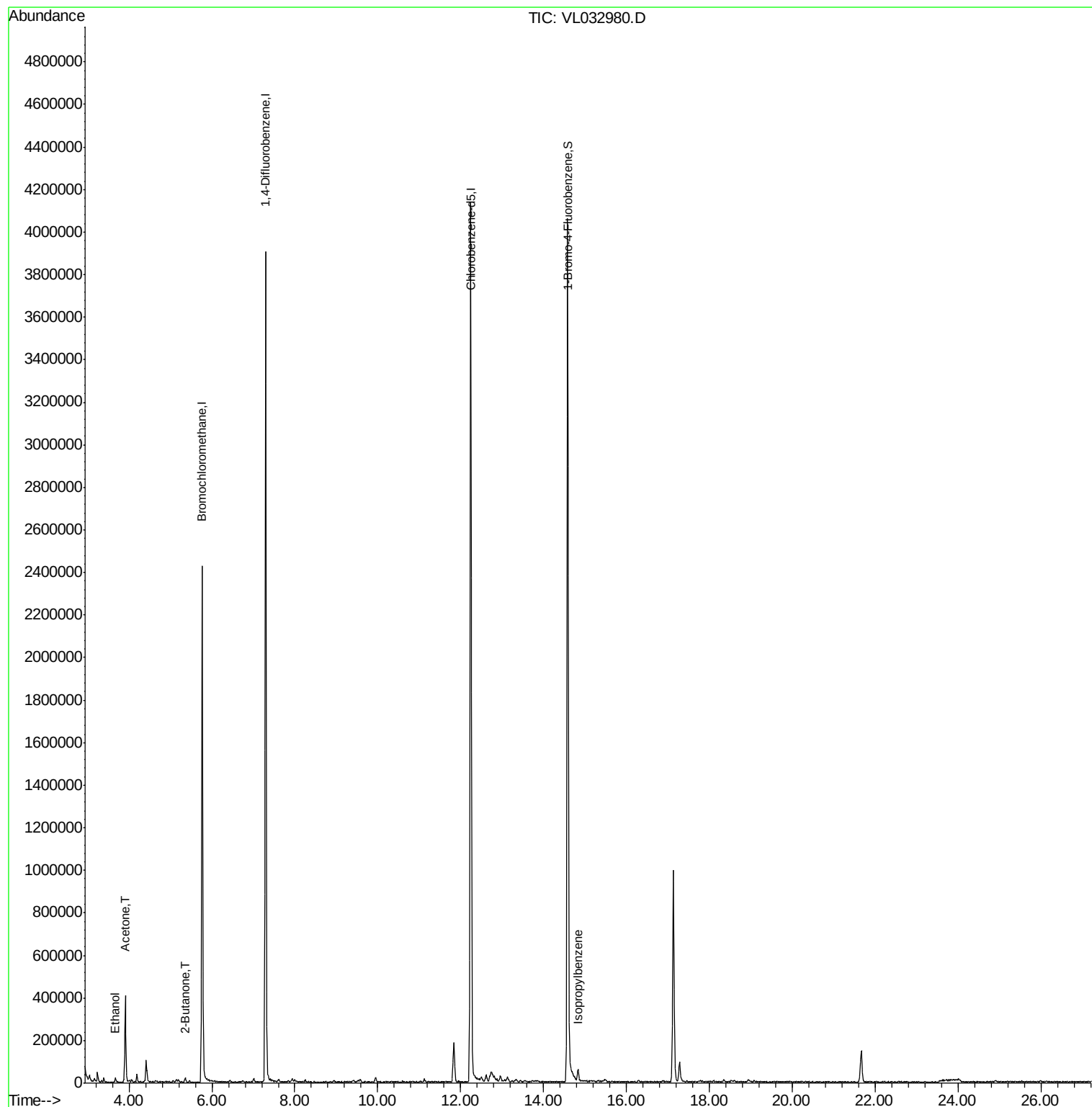
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032980.D
Acq On : 12 Dec 2018 10:55
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

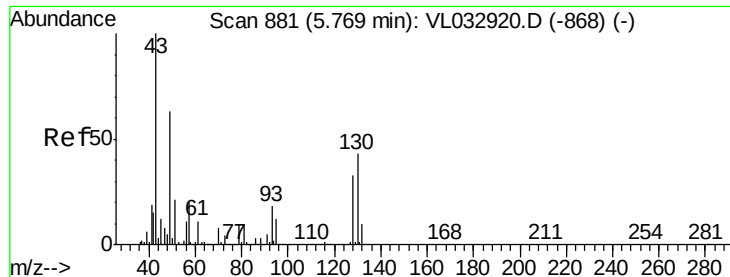
Instrument :
MSVOA_L
ClientSampleId :
A55G1DL2

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Quant Time: Dec 12 15:59:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

A55G1DL2

Tot Ion: 49 Resp: 1039298

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

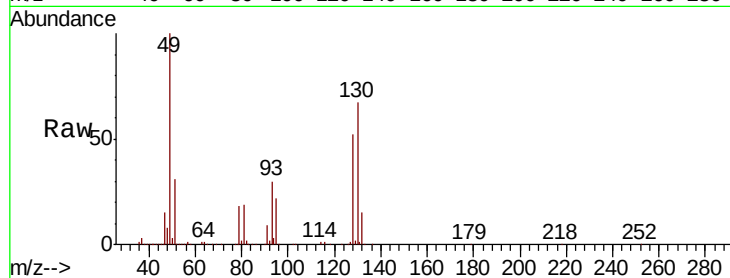
130 66.4 33.9 101.7

Manual Integrations

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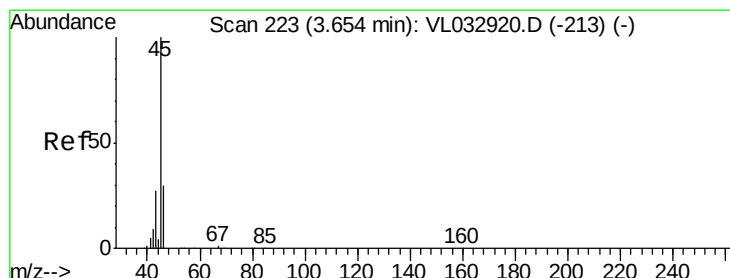
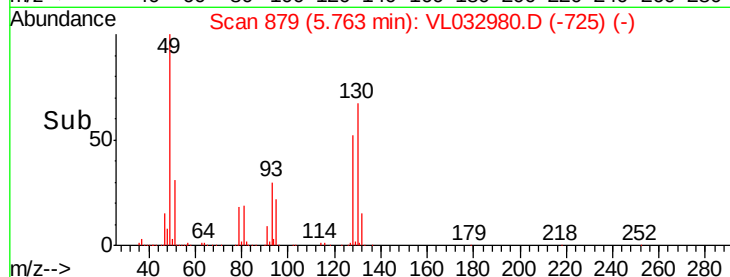
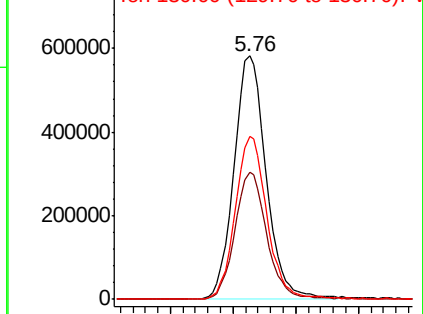


Abundance

Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 1.536 ppbv m

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL032980.D

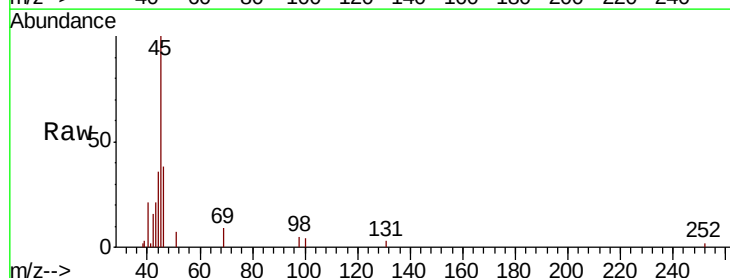
Acq: 12 Dec 2018 10:55

Tgt Ion: 45 Resp: 16456

Ion Ratio Lower Upper

45 100

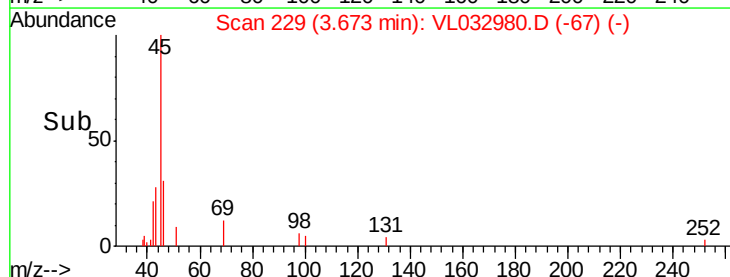
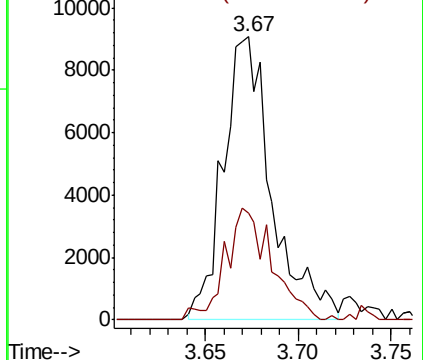
46 37.9 13.8 55.4

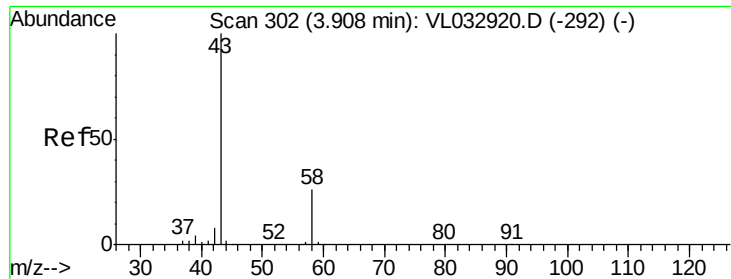


Abundance

Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 4.696 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

A55G1DL2

Tot Ion: 43 Resp: 418925

Ion Ratio Lower Upper

43 100

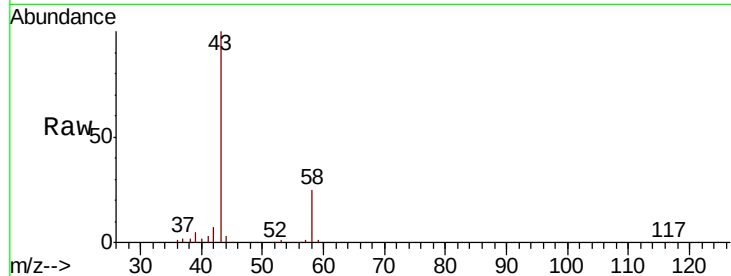
58 26.0 20.6 30.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

250000

200000

150000

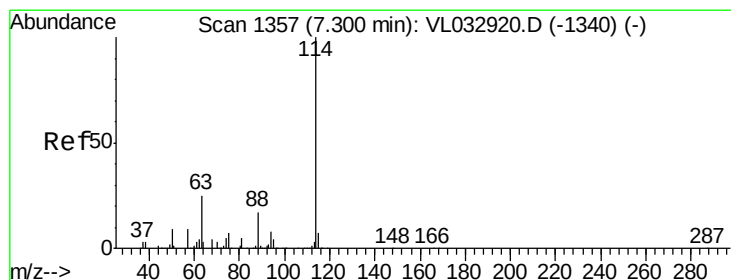
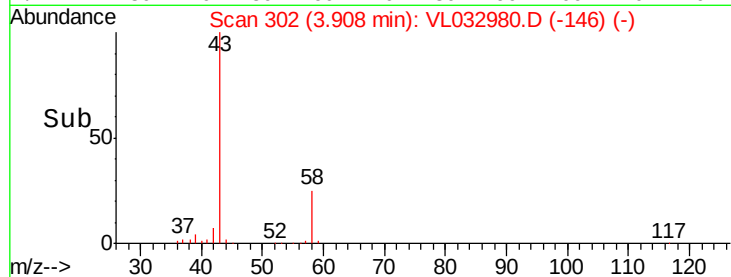
100000

50000

0

3.85 3.90 3.95

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

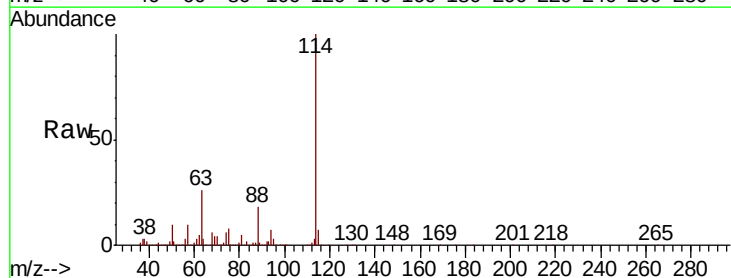
Tgt Ion:114 Resp: 2636577

Ion Ratio Lower Upper

114 100

63 25.5 20.1 30.1

88 17.7 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

2000000

1500000

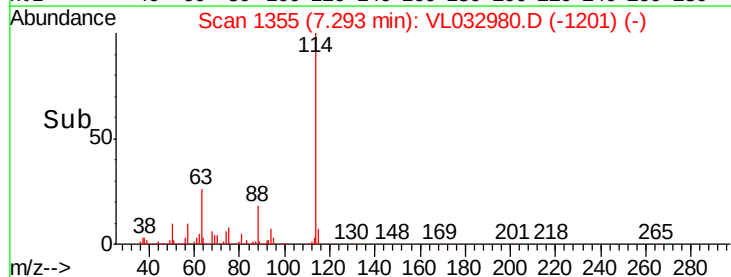
1000000

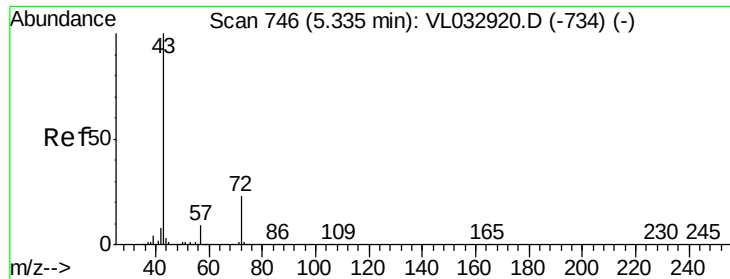
500000

0

7.20 7.25 7.30 7.35

Time-->





#34

2-Butanone

Concen: 0.212 ppbv m

RT: 5.36 min Scan# 753

Delta R.T. 0.02 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

A55G1DL2

Tot Ion: 43 Resp: 24358

Ion Ratio Lower Upper

43 100

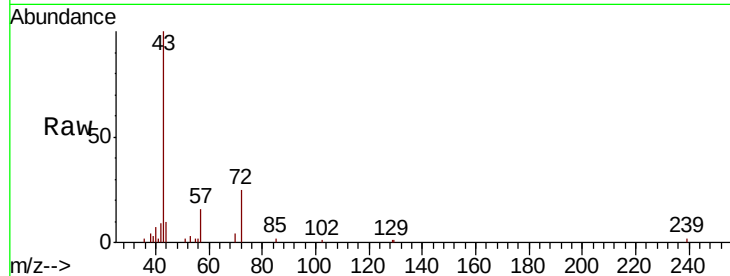
72 20.4 18.8 28.2

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

15000

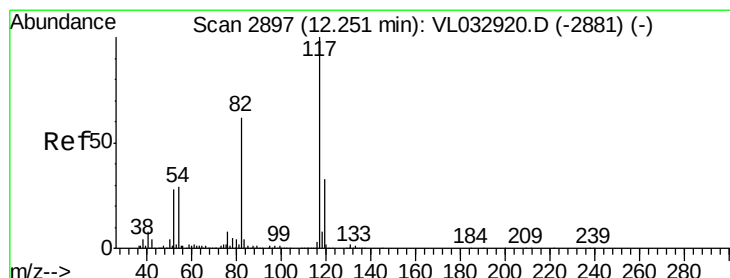
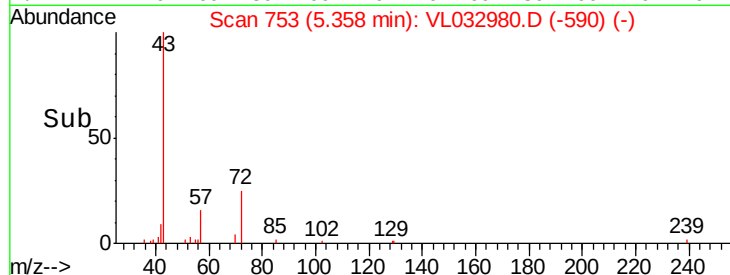
10000

5000

0

5.30 5.35 5.40

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

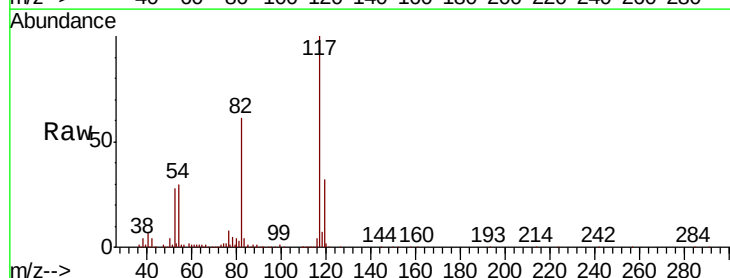
Tgt Ion: 117 Resp: 2495084

Ion Ratio Lower Upper

117 100

82 65.7 47.8 71.8

119 32.6 43.1 64.7#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1500000

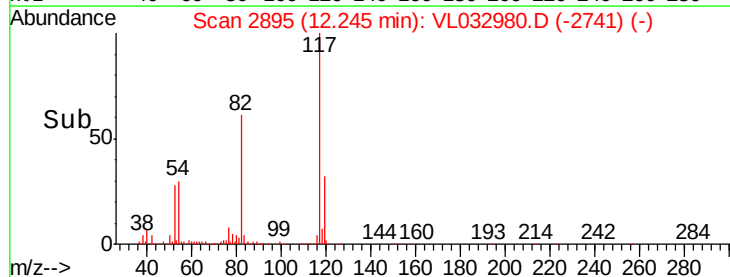
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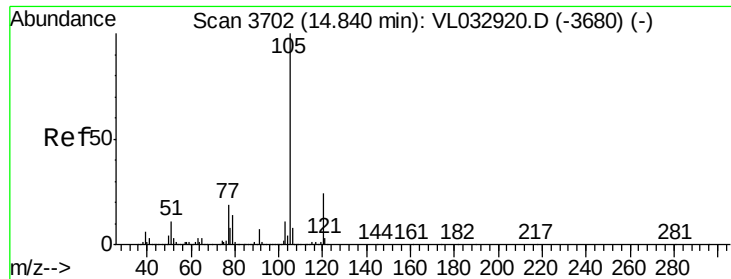
500000

0

12.20 12.24 12.30

Time-->





#62

Isopropylbenzene

Concen: 0.122 ppbv m

RT: 14.83 min Scan# 3700

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

Instrument :

MSVOA_L

ClientSampleId :

A55G1DL2

Tot Ion: 105 Resp: 41371

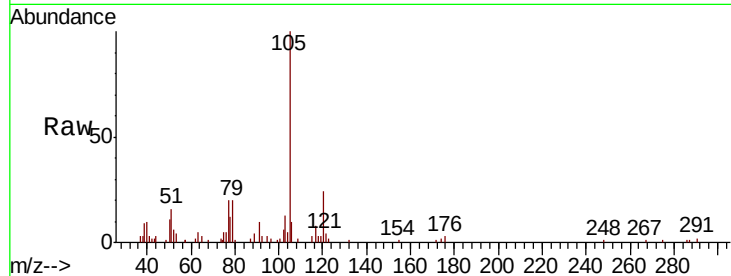
Ion Ratio Lower Upper

105 100

120 1.2 20.3 30.5#

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.83

20000

15000

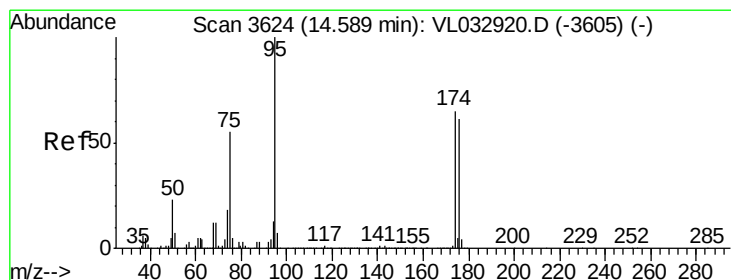
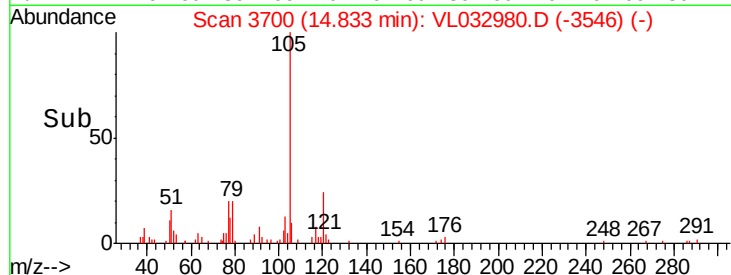
10000

5000

0

14.80 14.83 14.86 14.89

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.193 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032980.D

Acq: 12 Dec 2018 10:55

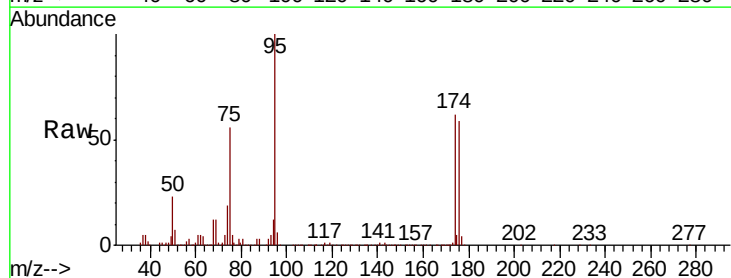
Tgt Ion: 95 Resp: 1878971

Ion Ratio Lower Upper

95 100

174 65.1 51.4 77.0

175 4.8 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.58

1000000

800000

600000

400000

200000

0

14.50 14.58 14.60

Time-->

