

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020419\
 Data File : VL033165.D
 Acq On : 4 Feb 2019 21:52
 Operator : SY/AP
 Sample : K1267-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSA1DL

Manual Integrations
 APPROVED

MMDadoda
 2/5/2019 10:28:25 AM

Quant Time: Feb 05 09:34:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb 0
 QLast Update : Mon Feb 04 14:41:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1361440	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3145418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	4305589	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	3420879	10.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	201646	6.714	ppbv	98
15) Acetone	3.90	43	2388928	14.738	ppbv	99
17) tert-Butyl alcohol	4.37	59	33125m	0.925	ppbv	
19) Isopropyl Alcohol	4.03	45	228371m	1.984	ppbv	
34) 2-Butanone	5.34	43	254798	1.288	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	75111	0.210	ppbv	97
51) 2-Hexanone	10.29	43	44222m	0.147	ppbv	
53) Toluene	9.95	91	253061	0.670	ppbv	97
59) m/p-Xylene	13.12	91	130192m	0.235	ppbv	
62) Isopropylbenzene	14.82	105	363839m	0.498	ppbv	

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

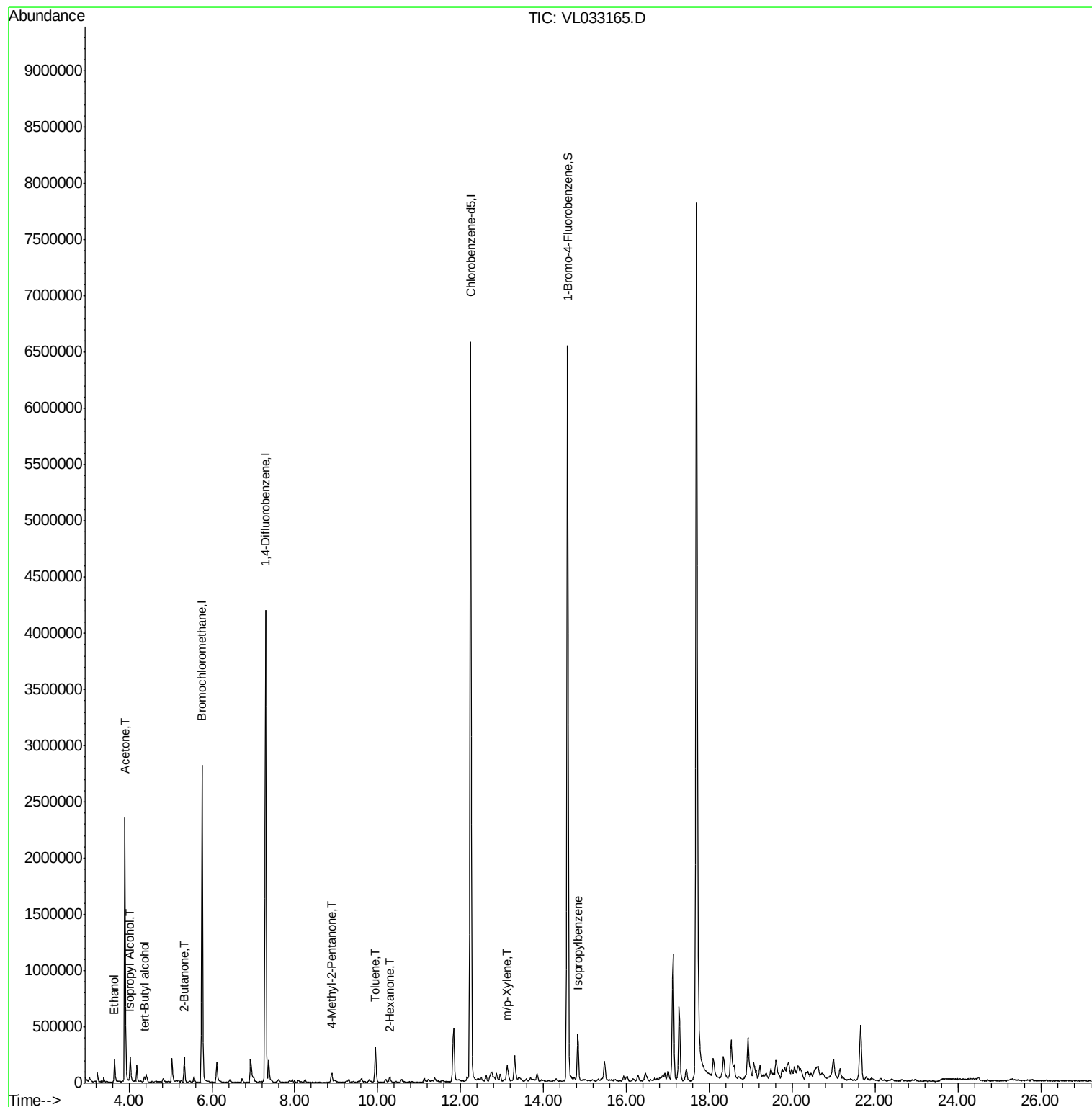
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL020419\
Data File : VL033165.D
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Misc : 400ml/MSVOA L
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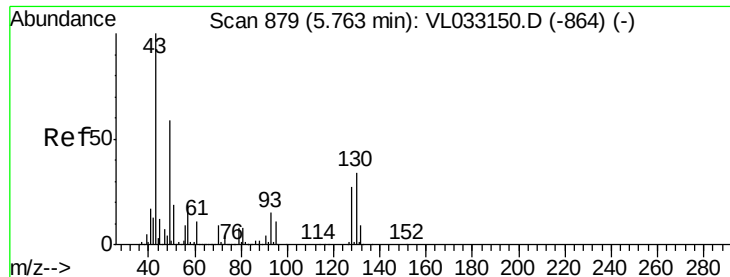
Instrument :
MSVOA_L
ClientSampleId :
SSA1DL

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Quant Time: Feb 05 09:34:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Feb
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.01 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

Instrument :

MSVOA_L

ClientSampleId :

SSA1DL

Tot Ion: 49 Resp: 1361440

Ion Ratio Lower Upper

49 100

128 46.0 23.2 69.5

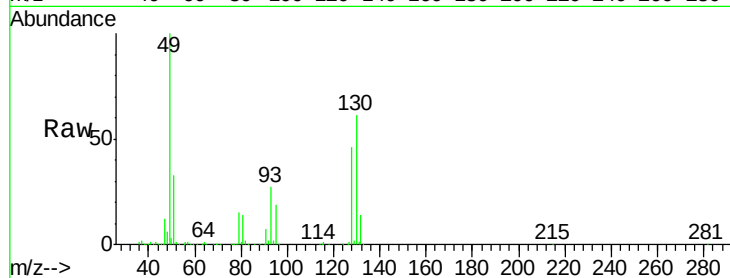
130 58.3 29.5 88.6

Manual Integrations

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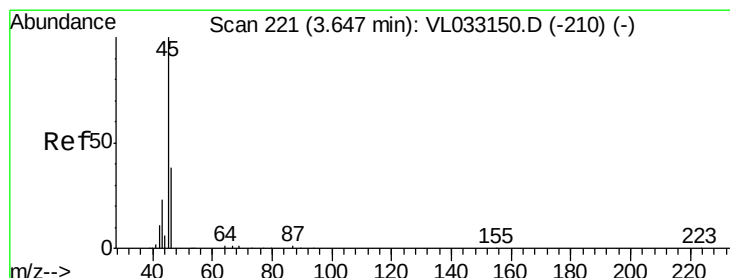
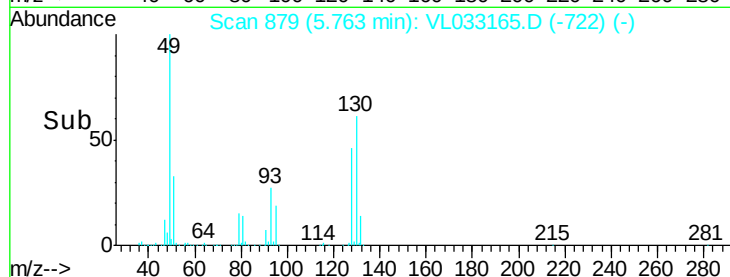
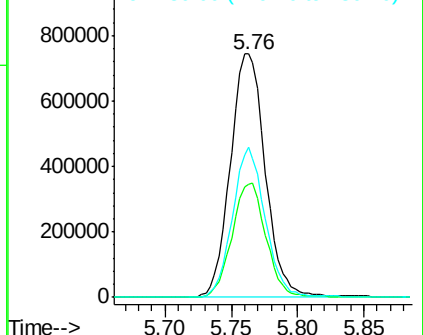
2/5/2019 10:28:25 AM



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: 6.714 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033165.D

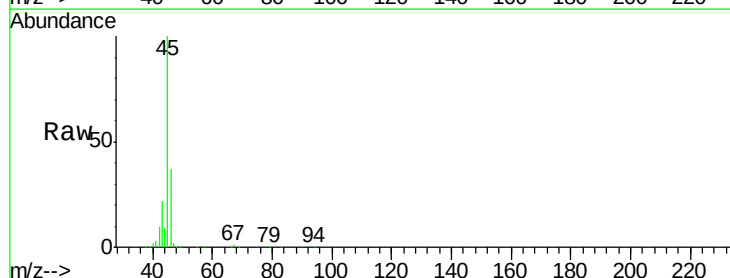
Acq: 4 Feb 2019 21:52

Tgt Ion: 45 Resp: 201646

Ion Ratio Lower Upper

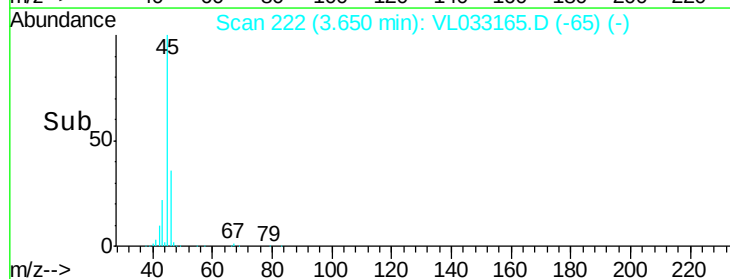
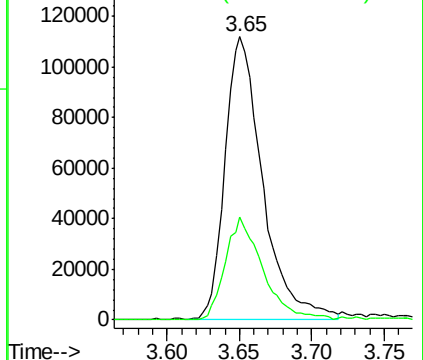
45 100

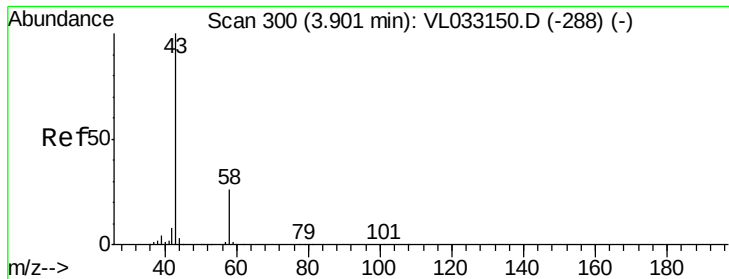
46 36.5 14.0 56.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 14.738 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.00 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

Instrument :

MSVOA_L

ClientSampleId :

SSA1DL

Tot Ion: 43 Resp: 2388928

Ion Ratio Lower Upper

43 100

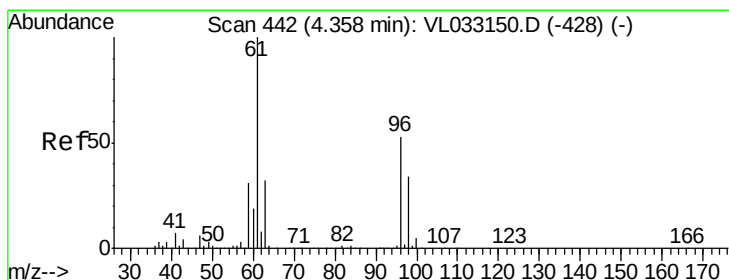
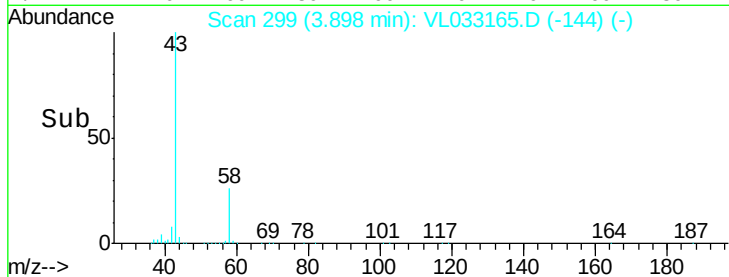
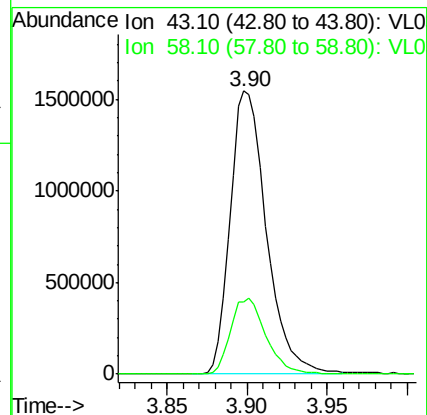
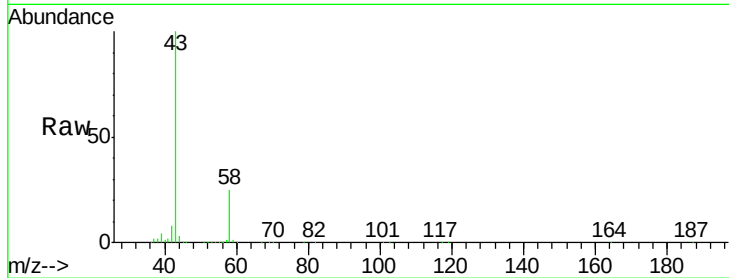
58 26.4 21.8 32.6

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#17

tert-Butyl alcohol

Concen: 0.925 ppbv m

RT: 4.37 min Scan# 445

Delta R.T. 0.01 min

Lab File: VL033165.D

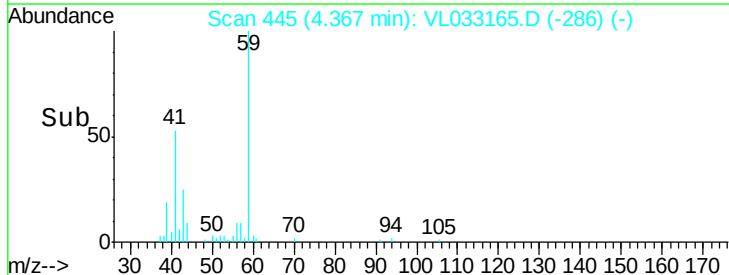
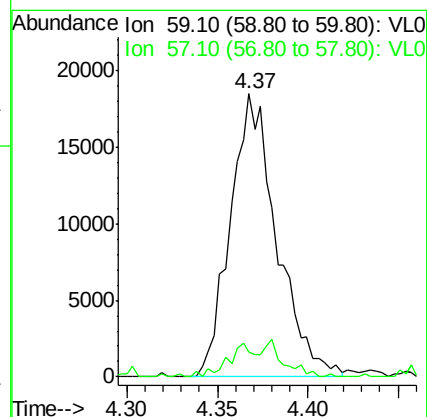
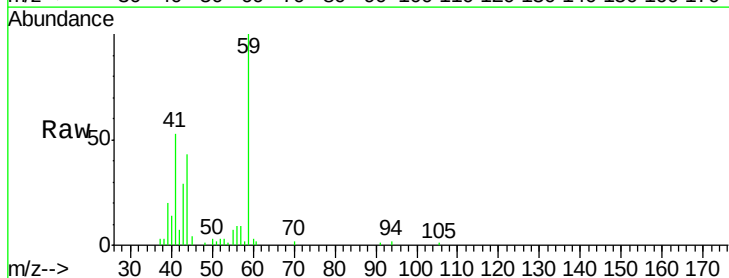
Acq: 4 Feb 2019 21:52

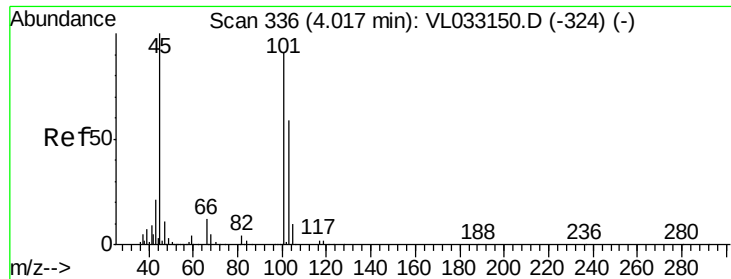
Tgt Ion: 59 Resp: 33125

Ion Ratio Lower Upper

59 100

57 12.7 8.0 12.0#





#19

Isopropyl Alcohol

Concen: 1.984 ppbv m

RT: 4.03 min Scan# 339

Delta R.T. 0.01 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

Instrument :

MSVOA_L

ClientSampleId :

SSA1DL

Tot Ion: 45 Resp: 228371

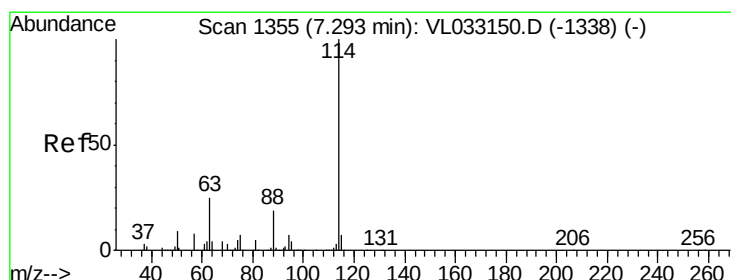
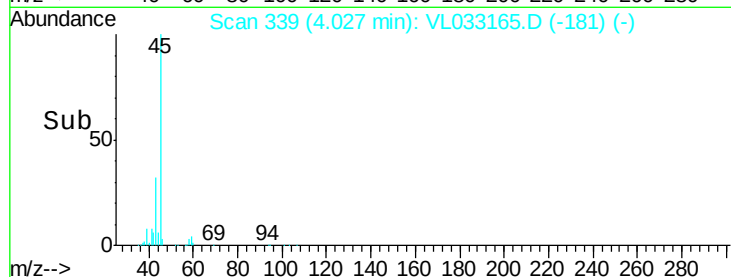
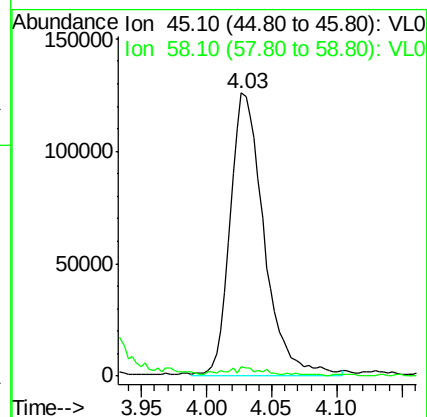
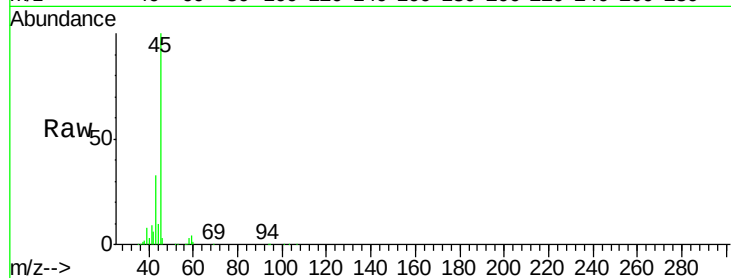
Ion Ratio Lower Upper

45 100

58 0.0 25.1 37.7#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

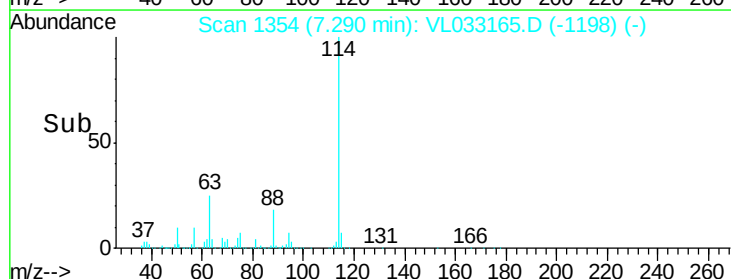
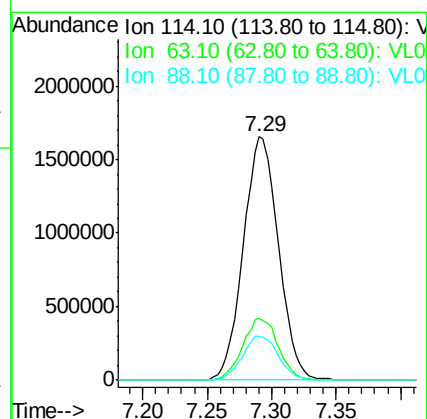
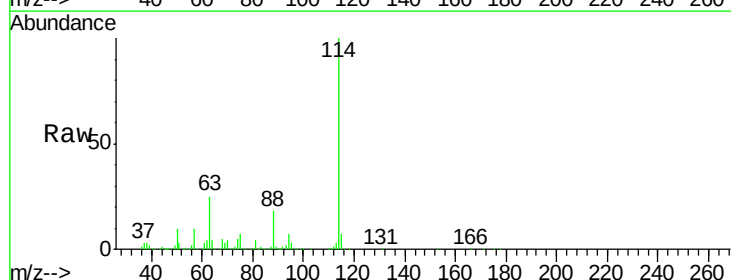
Tgt Ion: 114 Resp: 3145418

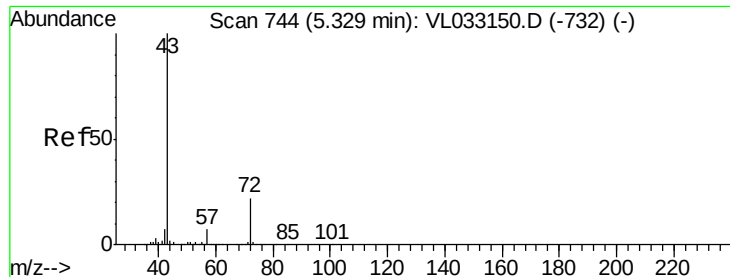
Ion Ratio Lower Upper

114 100

63 25.7 20.0 30.0

88 18.4 14.4 21.6





#34

2-Butanone

Concen: 1.288 ppbv

RT: 5.34 min Scan# 747

Delta R.T. 0.02 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

Instrument :

MSVOA_L

ClientSampleId :

SSA1DL

Tot Ion: 43 Resp: 254798

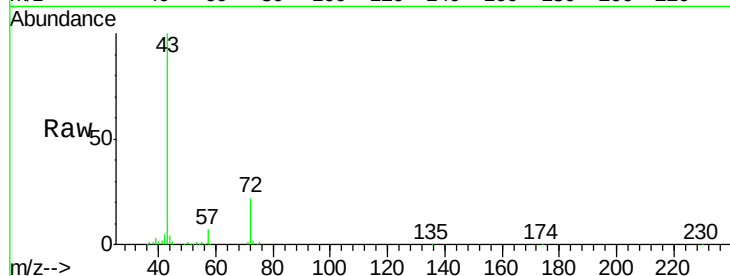
Ion Ratio Lower Upper

43 100

72 22.5 17.9 26.9

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.34

150000

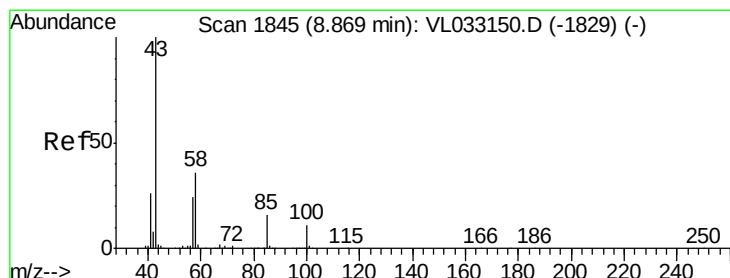
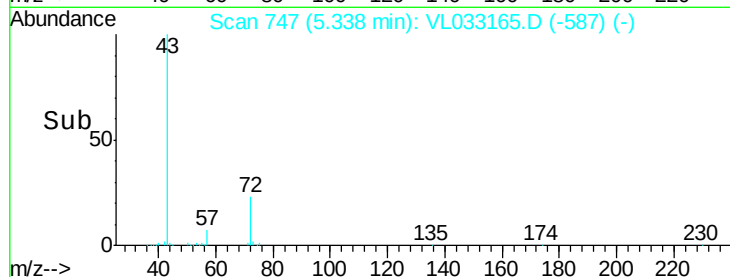
100000

50000

0

5.30 5.35 5.40

Time-->



#50

4-Methyl-2-Pentanone

Concen: 0.210 ppbv

RT: 8.88 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL033165.D

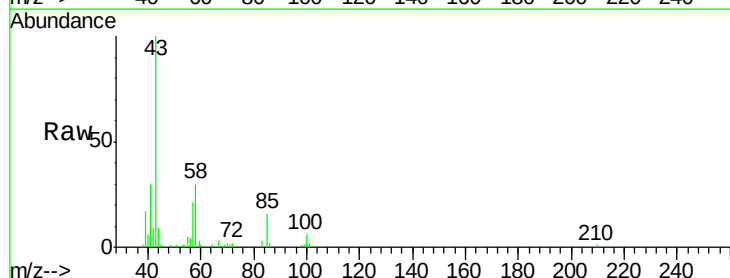
Acq: 4 Feb 2019 21:52

Tgt Ion: 43 Resp: 75111

Ion Ratio Lower Upper

43 100

58 34.1 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8.88

30000

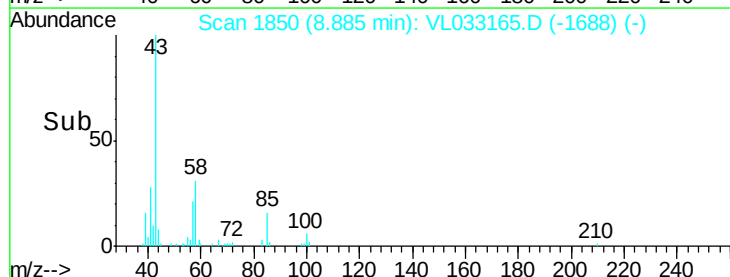
20000

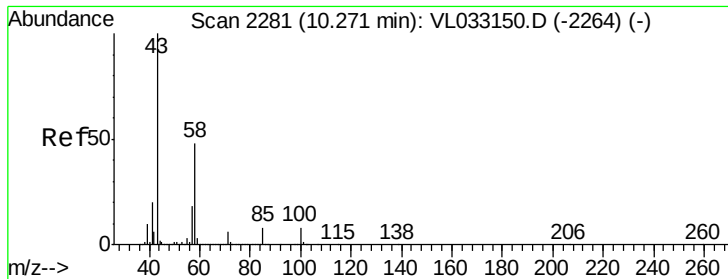
10000

0

8.80 8.85 8.90 8.95

Time-->





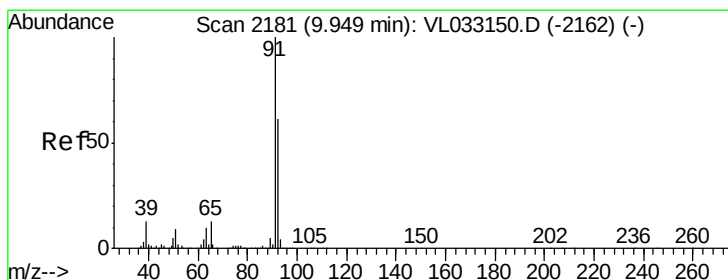
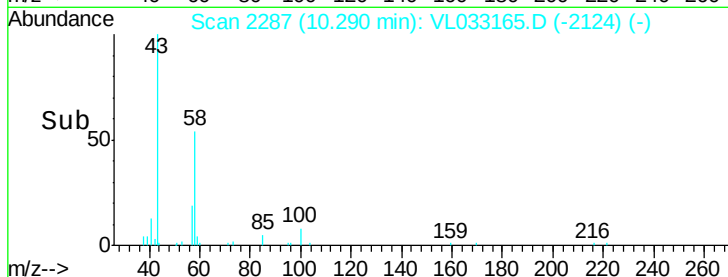
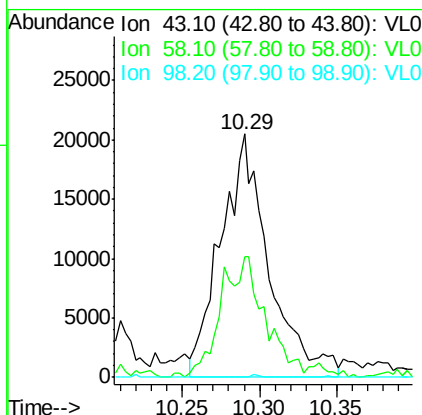
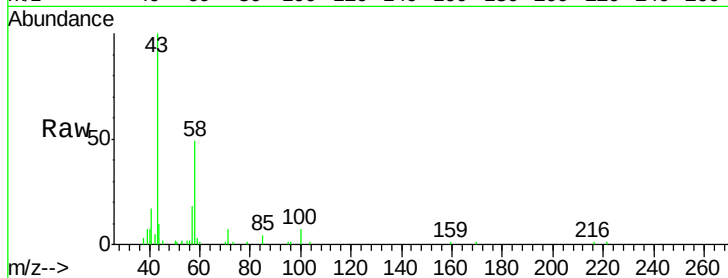
#51
2-Hexanone
Concen: 0.147 ppbv m
RT: 10.29 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL033165.D
Acq: 4 Feb 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
SSA1DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.4	59.2#
98	0.0	0.1	0.1#

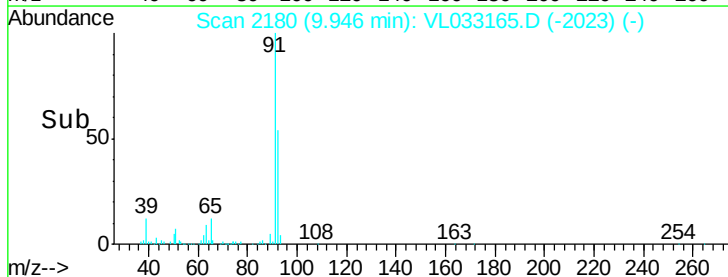
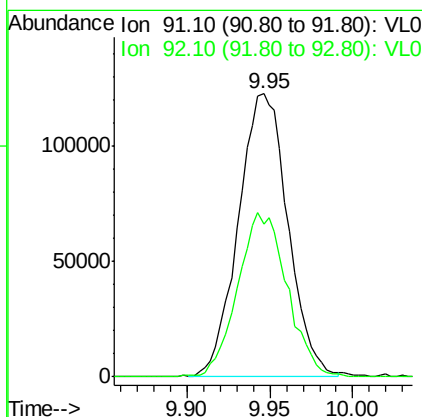
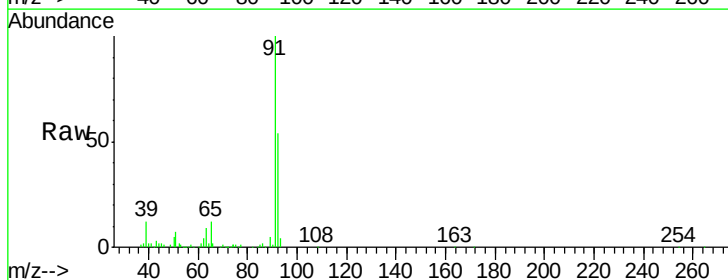
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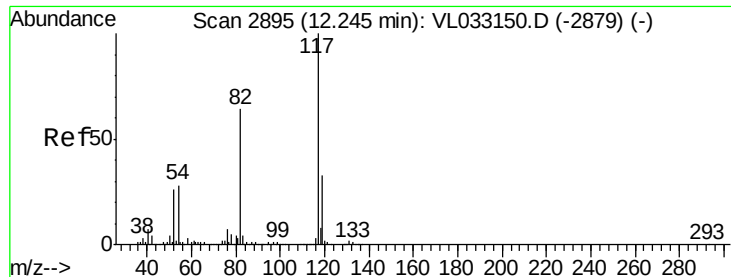
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#53
Toluene
Concen: 0.670 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.01 min
Lab File: VL033165.D
Acq: 4 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.7	48.9	73.3





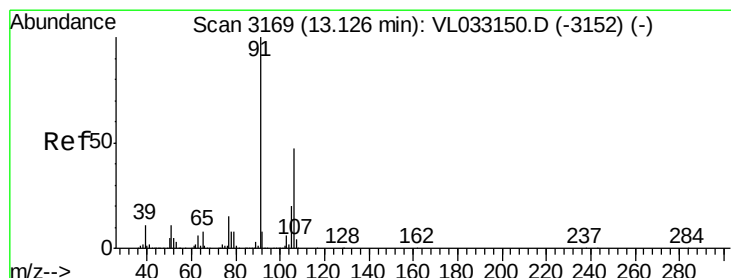
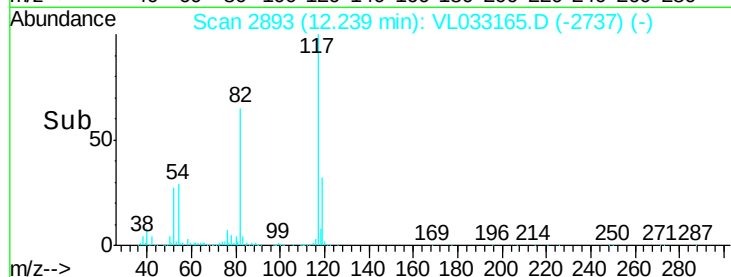
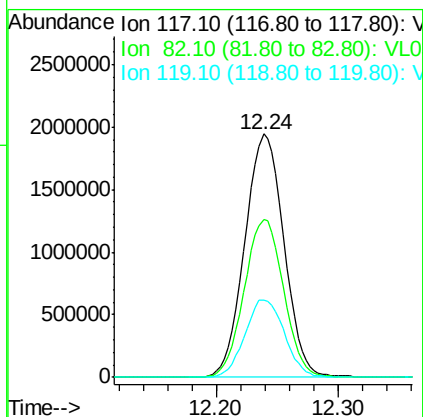
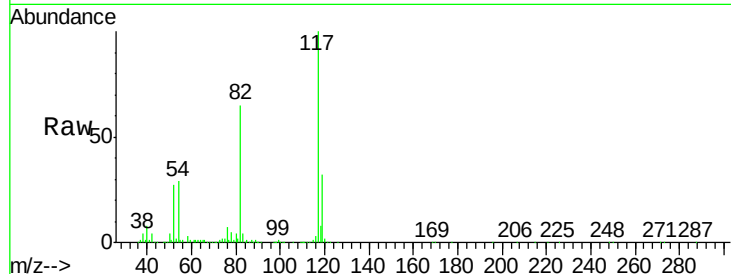
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033165.D
Acq: 4 Feb 2019 21:52

Instrument :
MSVOA_L
ClientSampleId :
SSA1DL

Tot Ion:117 Resp: 4305589
Ion Ratio Lower Upper
117 100
82 65.7 49.3 73.9
119 32.4 27.1 40.7

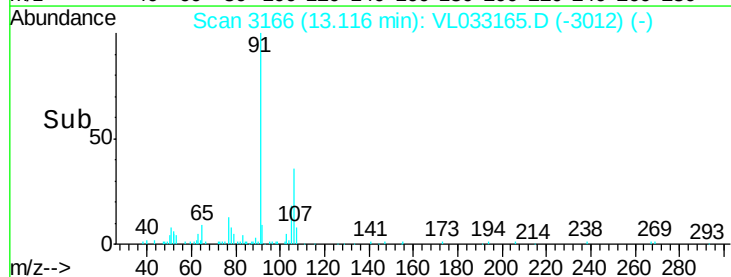
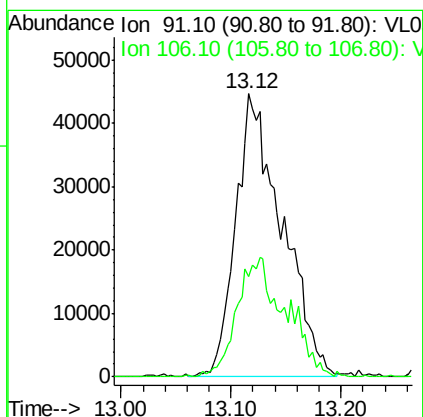
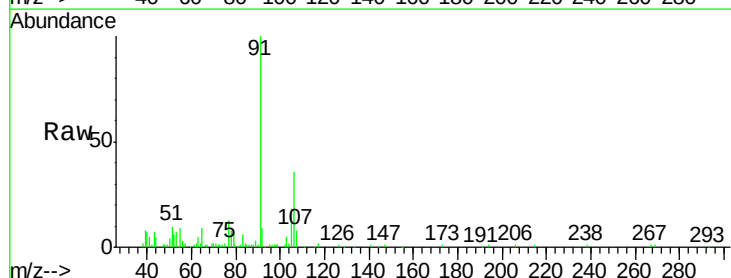
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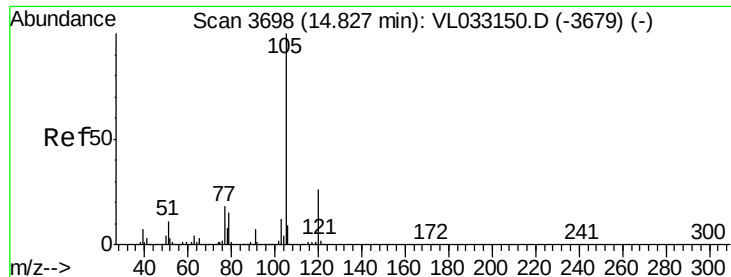
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#59
m/p-Xylene
Concen: 0.235 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VL033165.D
Acq: 4 Feb 2019 21:52

Tgt Ion: 91 Resp: 130192
Ion Ratio Lower Upper
91 100
106 44.4 37.6 56.4





#62

Isopropylbenzene

Concen: 0.498 ppbv m

RT: 14.82 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

Instrument :

MSVOA_L

ClientSampleId :

SSA1DL

Tot Ion: 105 Resp: 363839

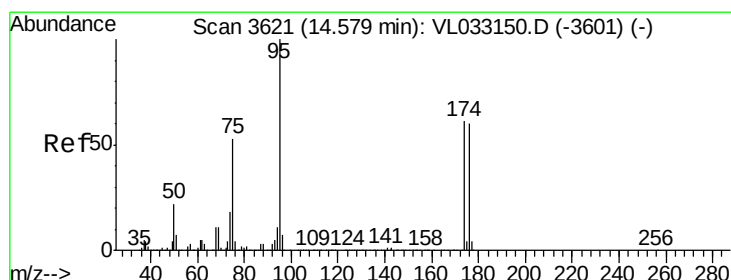
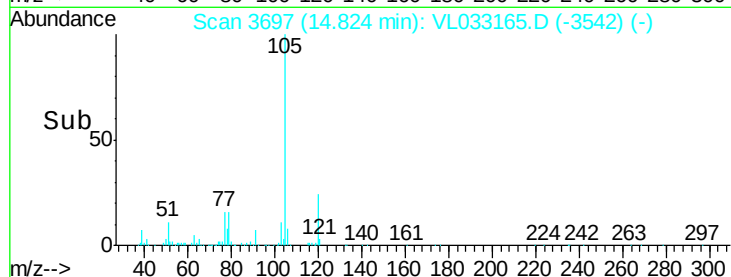
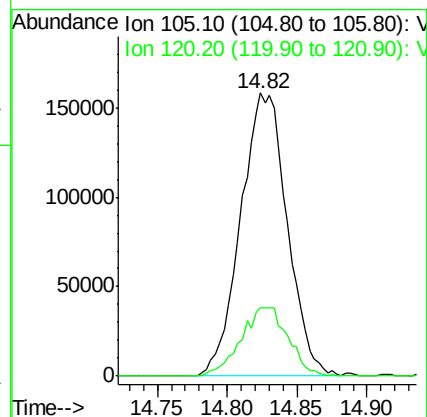
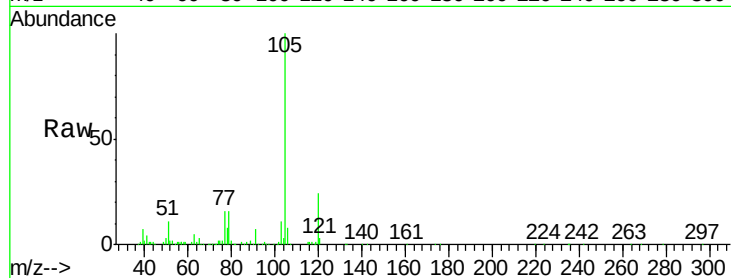
Ion Ratio Lower Upper

105 100

120 0.0 20.8 31.2#

Manual Integrations
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2/5/2019 10:28:25 AM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.661 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. 0.01 min

Lab File: VL033165.D

Acq: 4 Feb 2019 21:52

Tgt Ion: 95 Resp: 3420879

Ion Ratio Lower Upper

95 100

174 60.2 49.2 73.8

175 4.5 3.7 5.5

