

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033986.D
 Acq On : 27 Jun 2019 9:05
 Operator : SY/AP
 Sample : K3481-01DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-A-1DL2

Quant Time: Jun 27 14:25:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	734292	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.26	114	1736881	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.20	117	1775106	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1617564	11.09	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.90%

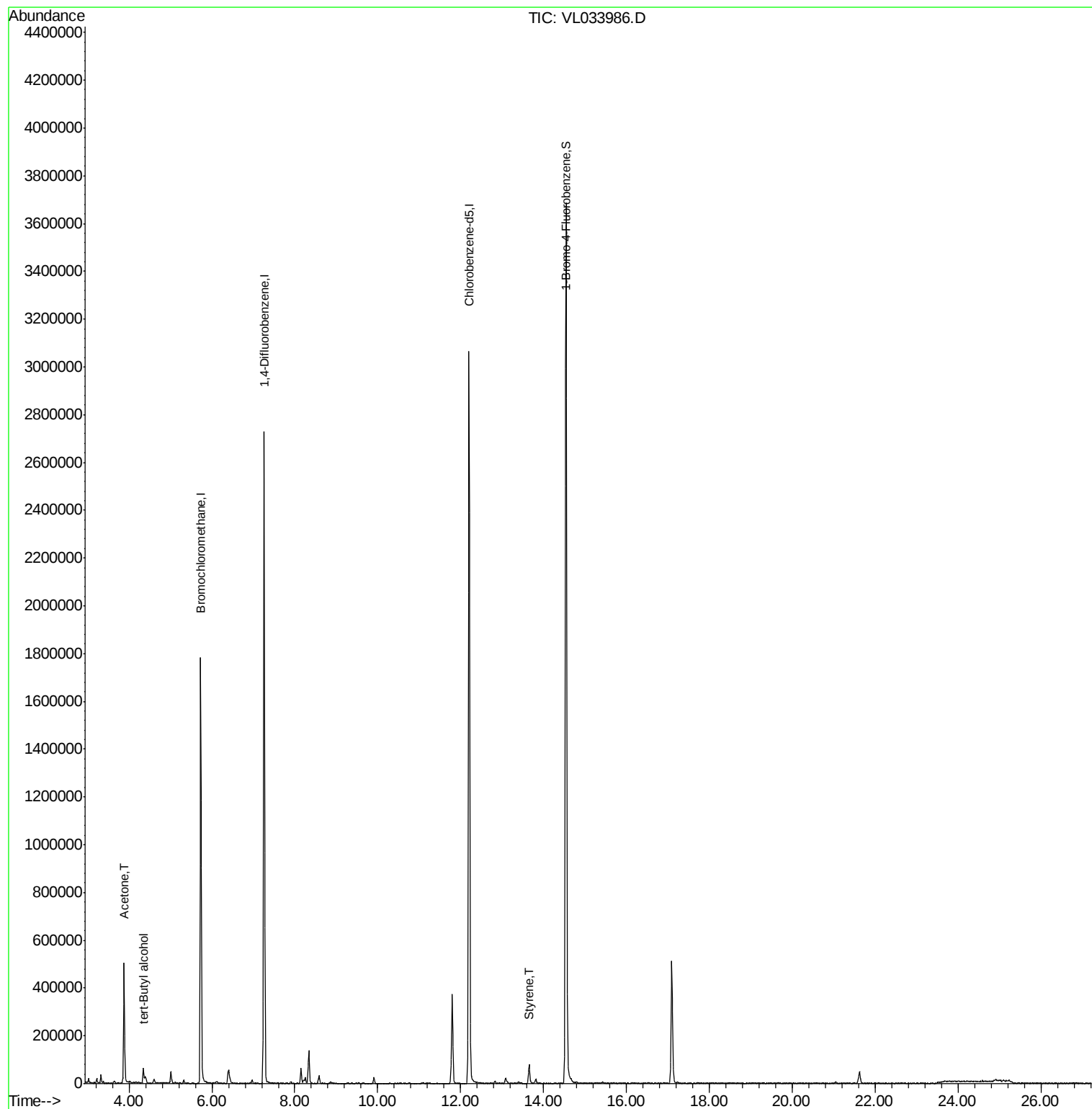
Target Compounds					Ovalue
15) Acetone	3.88	43	488685	4.563	ppbv 99
17) tert-Butyl alcohol	4.34	59	41882	0.500	ppbv 95
61) Styrene	13.65	104	41761	0.343	ppbv 96

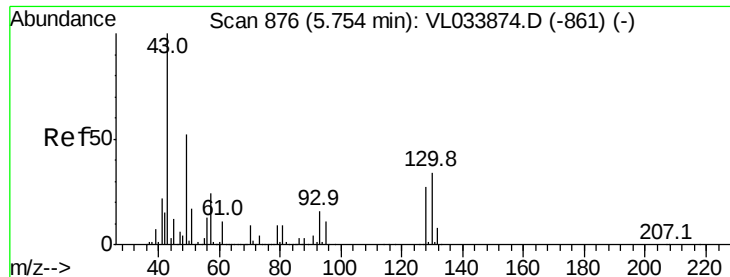
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 868

Delta R.T. -0.03 min

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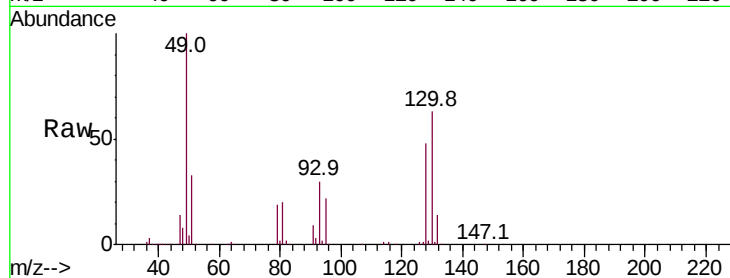
Tot Ion: 49 Resp: 734292

Ion Ratio Lower Upper

49 100

128 50.9 25.5 76.5

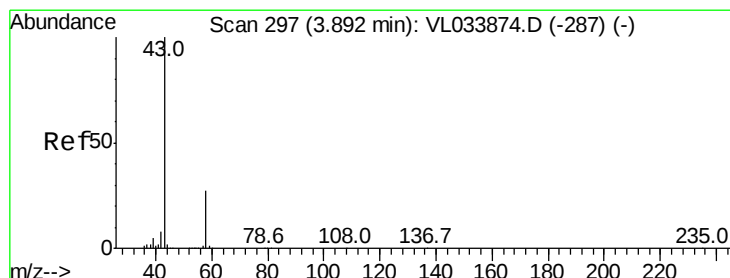
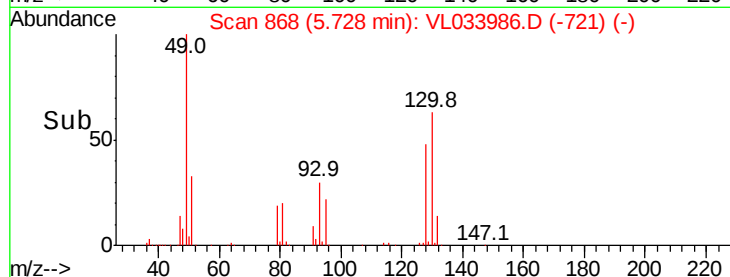
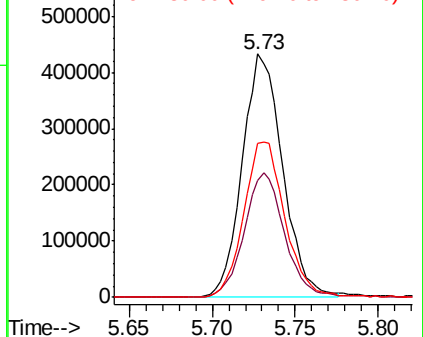
130 64.8 32.5 97.4



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



#15

Acetone

Concen: 4.563 ppbv

RT: 3.88 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL033986.D

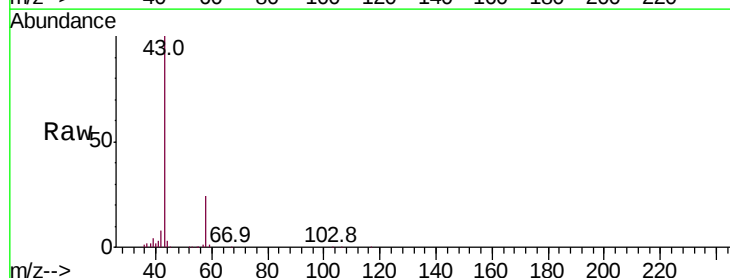
Acq: 27 Jun 2019 9:05

Tgt Ion: 43 Resp: 488685

Ion Ratio Lower Upper

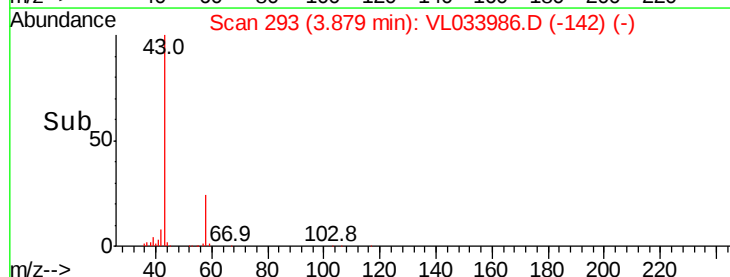
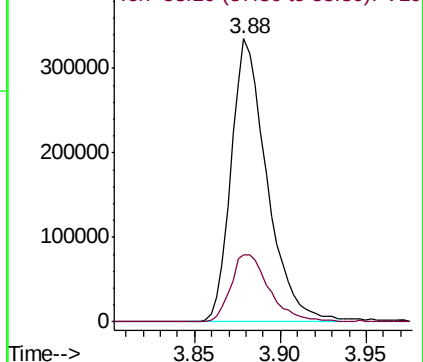
43 100

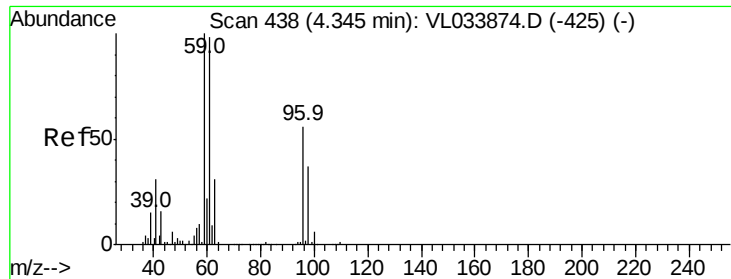
58 26.0 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

tert-Butyl alcohol

Concen: 0.500 ppbv

RT: 4.34 min Scan# 437

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

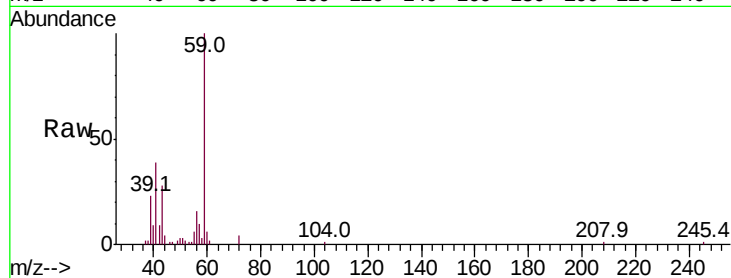
TZC-SSDS-AREA-A-1DL2

Tot Ion: 59 Resp: 41882

Ion Ratio Lower Upper

59 100

57 12.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.34

25000

20000

15000

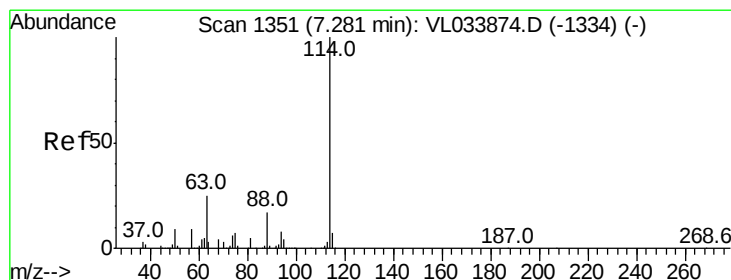
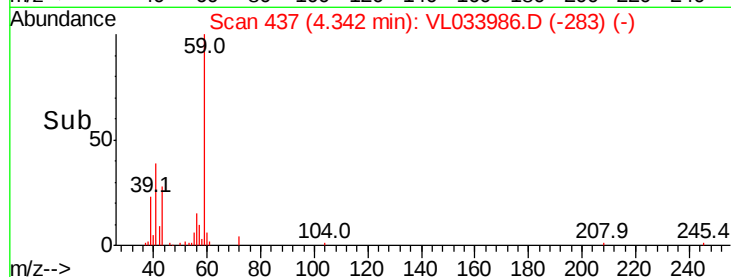
10000

5000

0

Time-->

4.30 4.35 4.40



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. -0.02 min

Lab File: VL033986.D

Acq: 27 Jun 2019 9:05

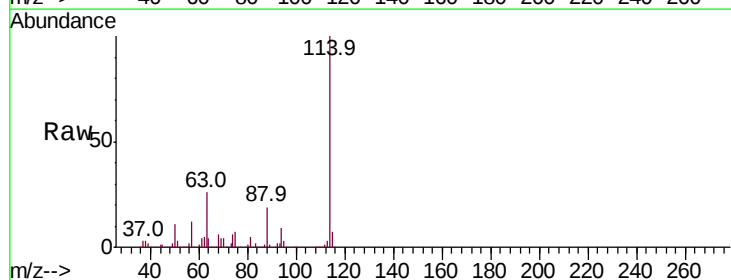
Tgt Ion: 114 Resp: 1736881

Ion Ratio Lower Upper

114 100

63 26.8 21.1 31.7

88 17.9 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

7.26

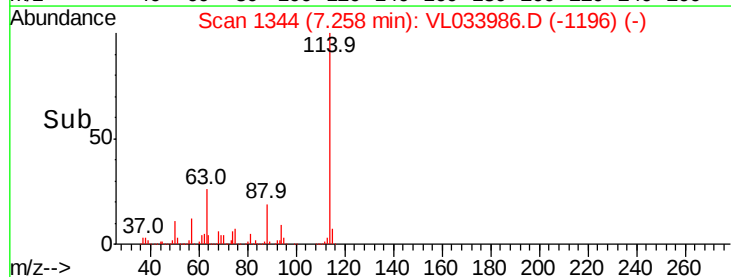
1000000

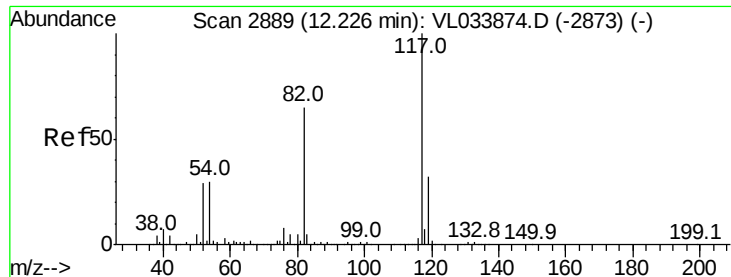
500000

0

Time-->

7.15 7.20 7.25 7.30 7.35





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2882

Delta R.T. -0.02 min

Lab File: VL033986.D

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Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL2

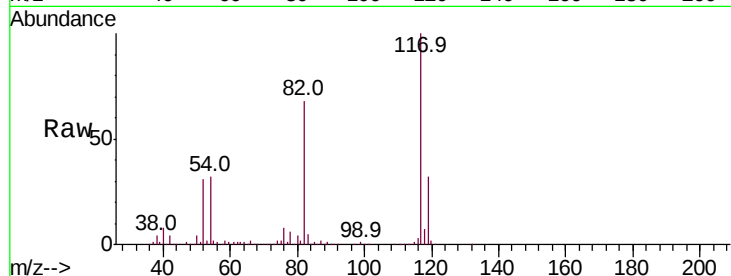
Tot Ion:117 Resp: 1775106

Ion Ratio Lower Upper

117 100

82 68.4 50.2 75.2

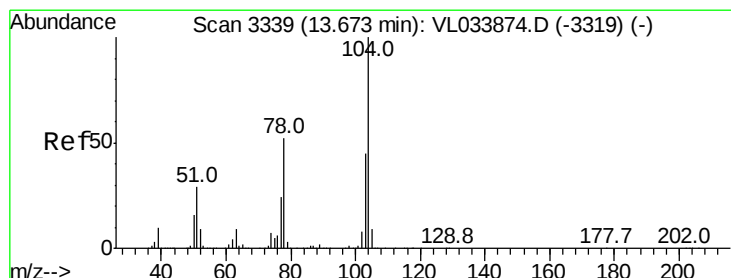
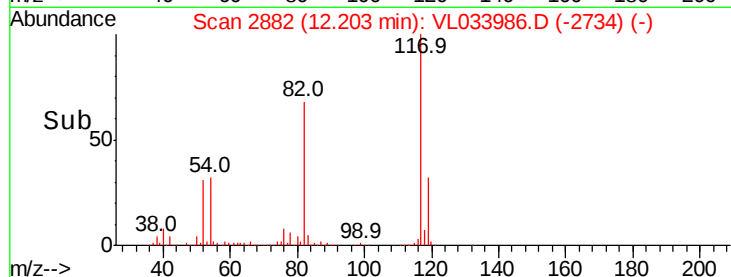
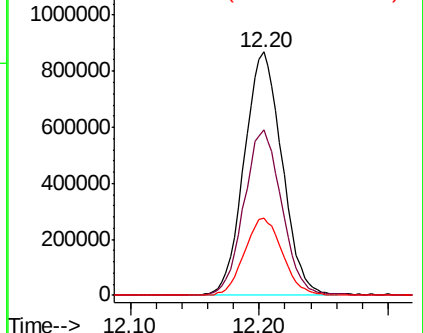
119 32.2 24.8 37.2



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



#61

Styrene

Concen: 0.343 ppbv

RT: 13.65 min Scan# 3333

Delta R.T. -0.02 min

Lab File: VL033986.D

Acq: 27 Jun 2019 9:05

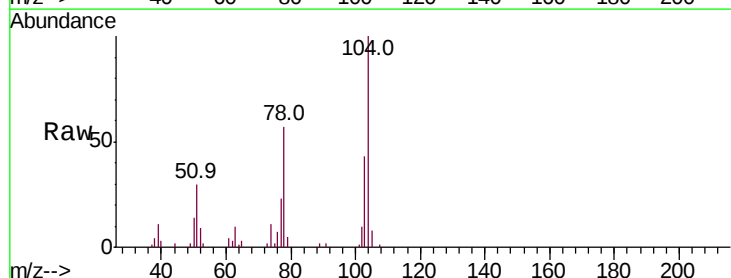
Tgt Ion:104 Resp: 41761

Ion Ratio Lower Upper

104 100

78 57.5 43.4 65.0

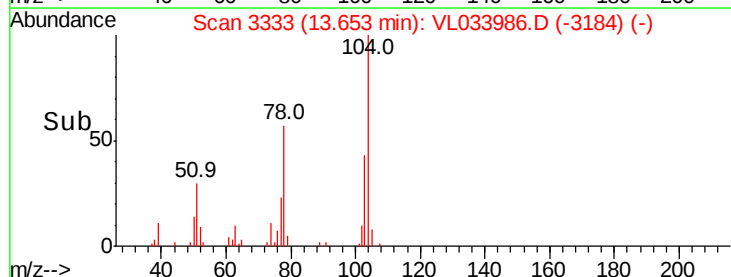
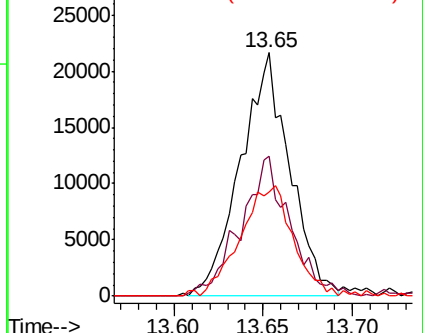
103 49.6 37.6 56.4

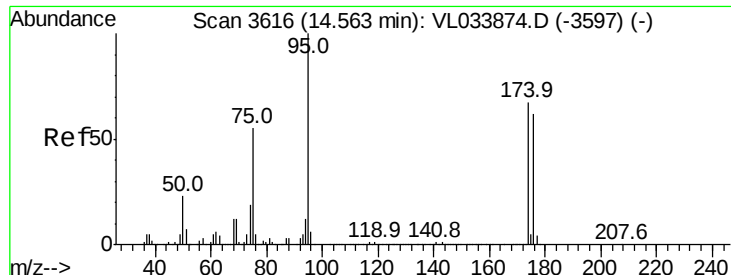


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.094 ppbv

RT: 14.54 min Scan# 3609

Delta R.T. -0.02 min

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Acq: 27 Jun 2019 9:05

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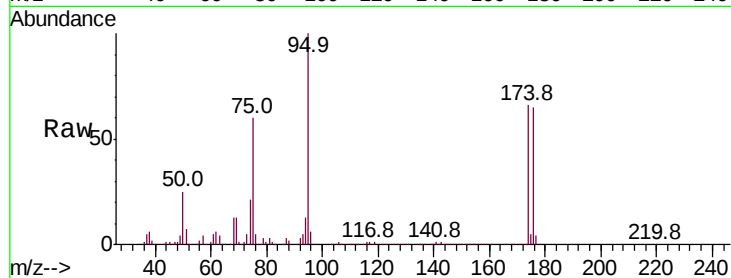
Tot Ion: 95 Resp: 1617564

Ion Ratio Lower Upper

95 100

174 65.8 54.0 81.0

175 4.7 3.8 5.8



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

