

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034791.D
 Acq On : 5 Mar 2020 11:13
 Operator : SY/AP
 Sample : VL0305ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABL01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:18:14 AM

Quant Time: Mar 06 04:56:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	949821	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	1946982	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	1991432	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1611057	9.70	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	21250m	0.187	ppbv	
20) Methylene Chloride	4.32	84	7984m	0.197	ppbv	

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

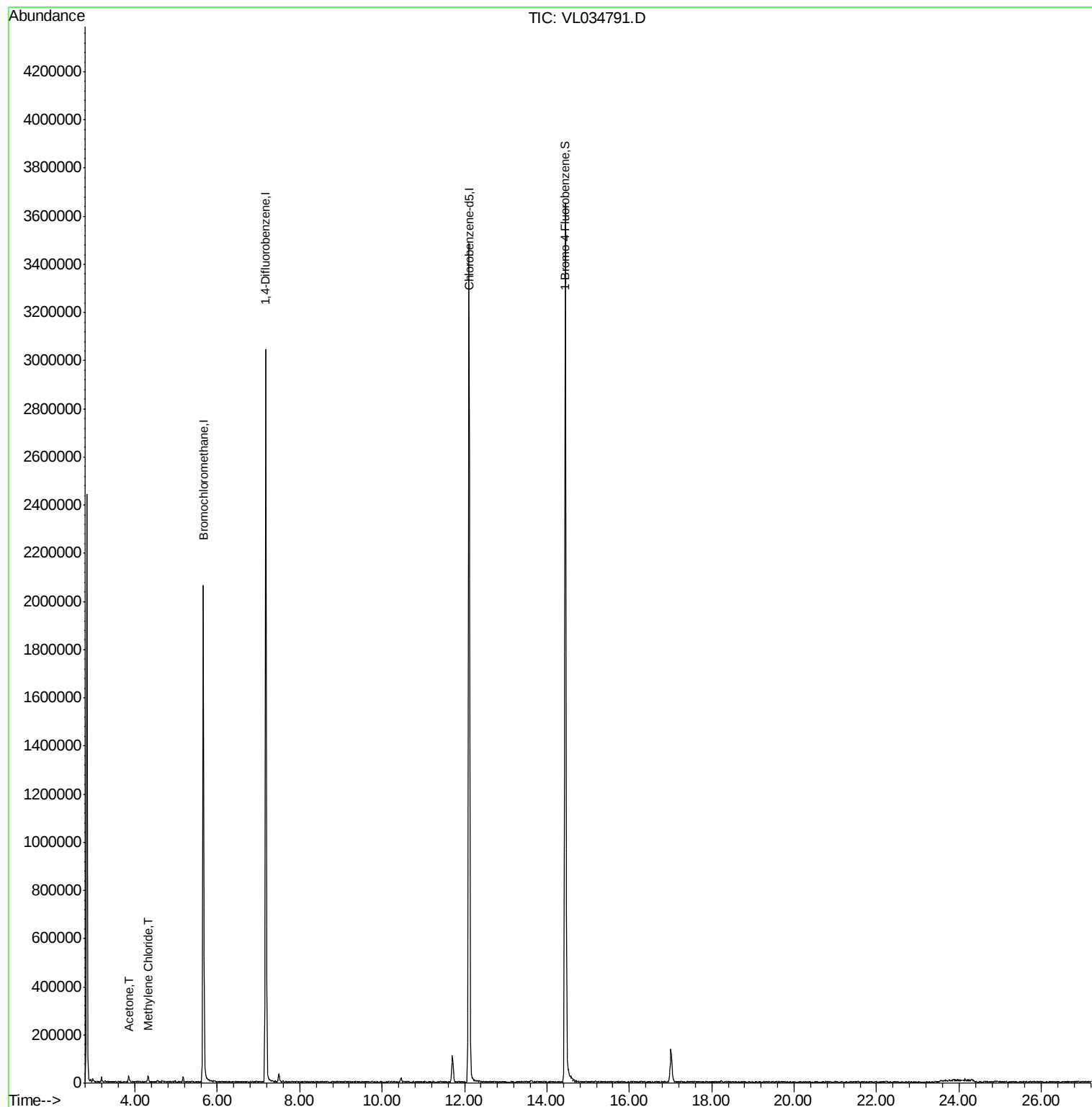
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030520\
Data File : VL034791.D
Acq On : 5 Mar 2020 11:13
Operator : SY/AP
Sample : VL0305ABL01
Misc : 400ml/MSVOA L
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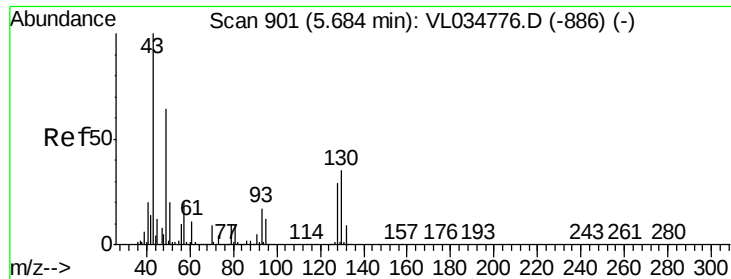
Instrument :
MSVOA_L
ClientSampleId :
VL0305ABL01

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Quant Time: Mar 06 04:56:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

Lab File: VL034791.D

Acq: 5 Mar 2020 11:13

Instrument :

MSVOA_L

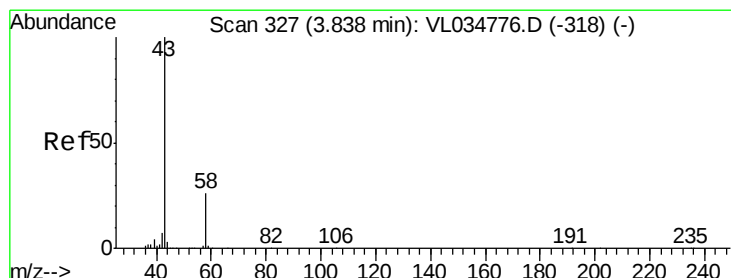
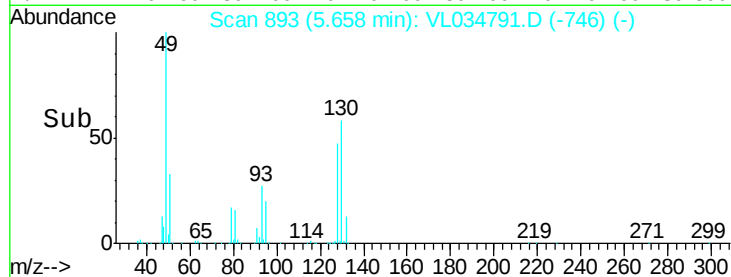
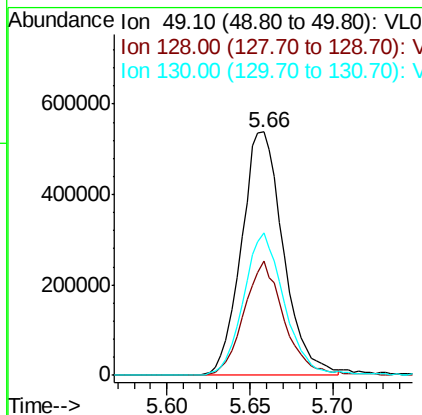
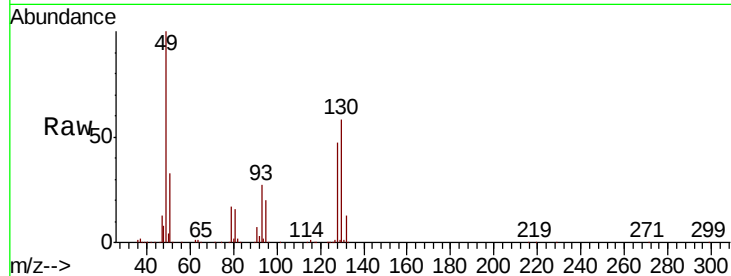
ClientSampleId :

VL0305ABL01

Tot Ion:	49	Resp:	949821
Ion Ratio	Lower	Upper	
49	100		
128	45.0	21.6	64.6
130	58.0	27.4	82.2

Manual Integrations
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#15

Acetone

Concen: 0.187 ppbv m

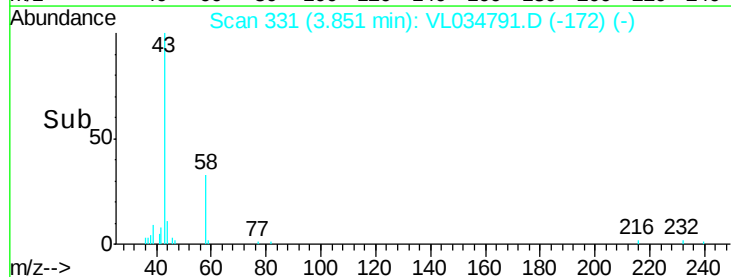
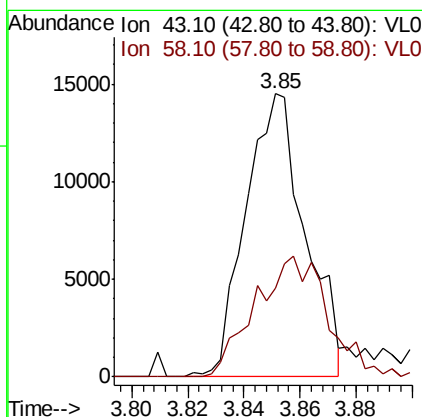
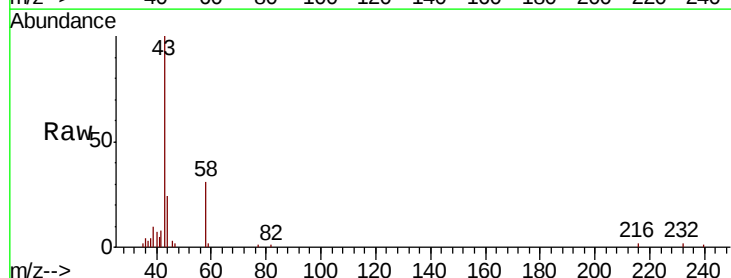
RT: 3.85 min Scan# 331

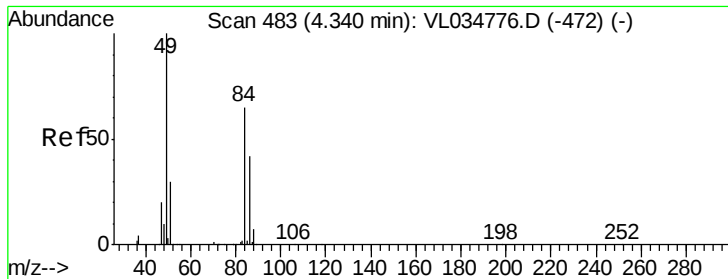
Delta R.T. 0.01 min

Lab File: VL034791.D

Acq: 5 Mar 2020 11:13

Tgt Ion:	43	Resp:	21250
Ion Ratio	Lower	Upper	
43	100		
58	53.0	21.0	31.6#





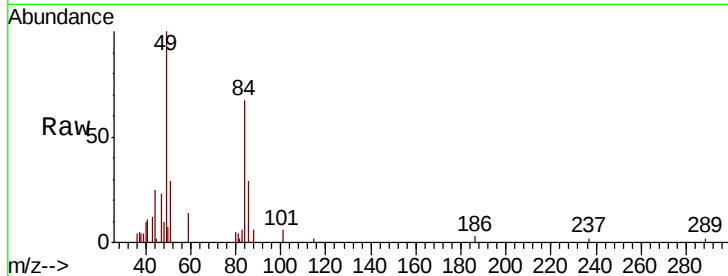
#20
Methylene Chloride
Concen: 0.197 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL034791.D
Acq: 5 Mar 2020 11:13

Instrument :
MSVOA_L
ClientSampleId :
VL0305ABL01

Tot Ion:	84	Resp:	7984
Ion	Ratio	Lower	Upper
84	100		
49	150.2	123.2	184.8
51	43.5	37.4	56.2
86	44.0	51.6	77.4#

Manual Integrations
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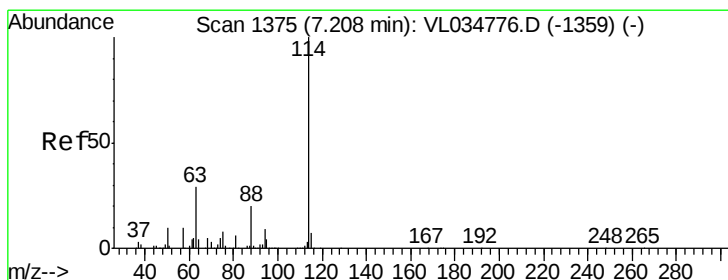
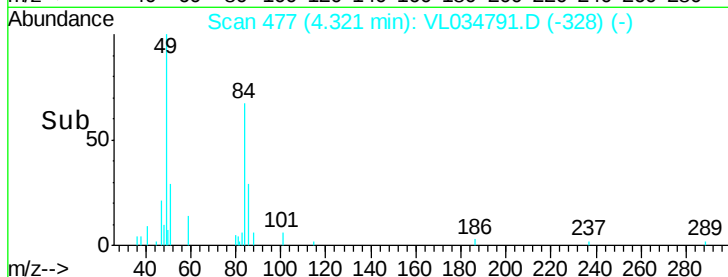
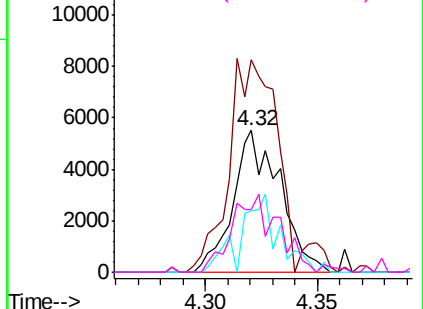
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.03 min
Lab File: VL034791.D
Acq: 5 Mar 2020 11:13

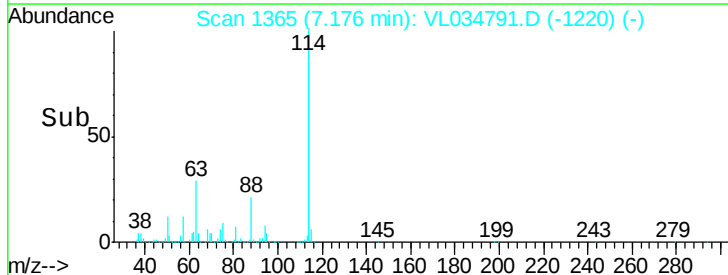
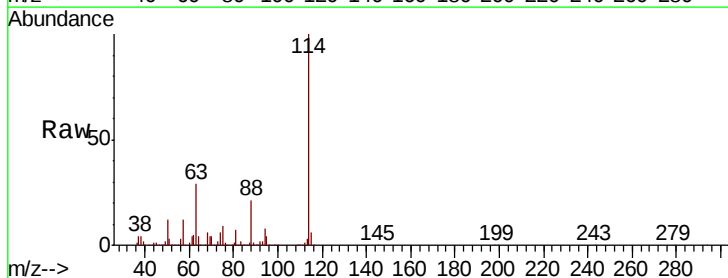
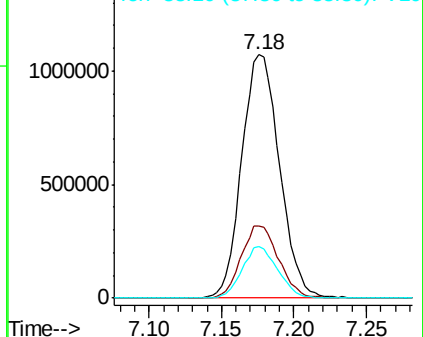
Tgt Ion:	114	Resp:	1946982
Ion	Ratio	Lower	Upper
114	100		
63	29.6	23.6	35.4
88	20.1	15.8	23.8

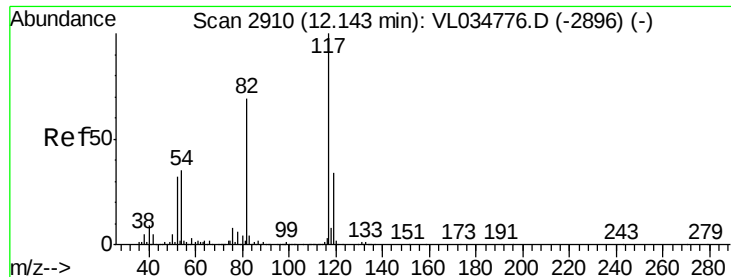
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.04 min

Lab File: VL034791.D

Acq: 5 Mar 2020 11:13

Instrument :

MSVOA_L

ClientSampleId :

VL0305ABL01

Tot Ion:117 Resp: 1991432

Ion Ratio Lower Upper

117 100

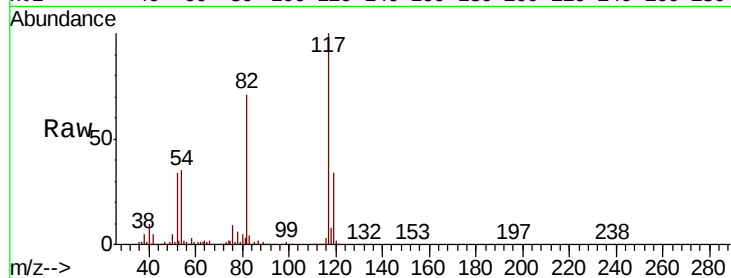
82 70.6 53.9 80.9

119 33.0 25.0 37.4

Manual Integrations
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MMDadoda

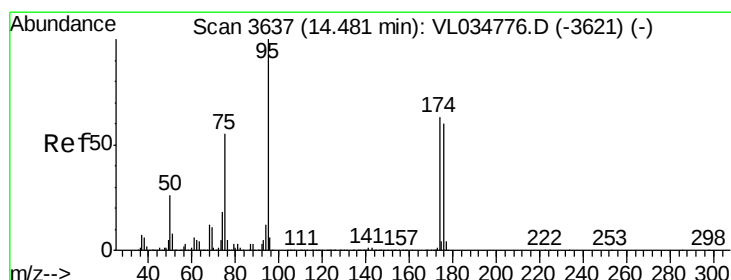
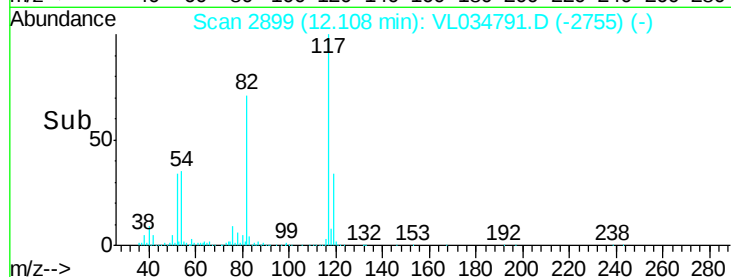
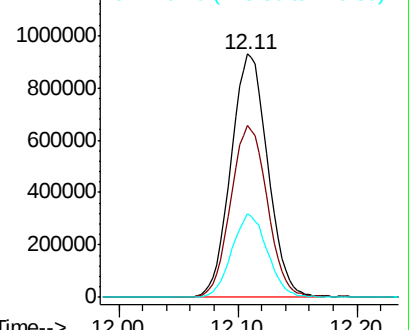
3/9/2020 9:18:14 AM



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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.702 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.04 min

Lab File: VL034791.D

Acq: 5 Mar 2020 11:13

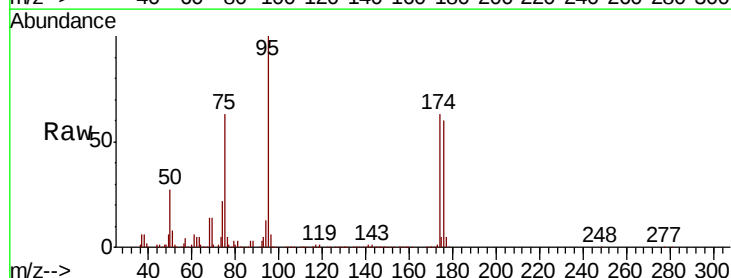
Tgt Ion: 95 Resp: 1611057

Ion Ratio Lower Upper

95 100

174 63.9 50.6 76.0

175 4.7 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

