

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034762.D
 Acq On : 3 Mar 2020 13:48
 Operator : SY/AP
 Sample : L1704-01DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4DL2

Manual Integrations
 APPROVED

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Quant Time: Mar 04 06:14:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1113183	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2274884	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	2365456	10.00	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1946243	10.03	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%
Target Compounds						
10) Heptane	8.15	43	46047m	0.356	ppbv	
15) Acetone	3.83	43	1866515	14.715	ppbv	100
53) Toluene	9.85	91	311842	1.492	ppbv	99

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

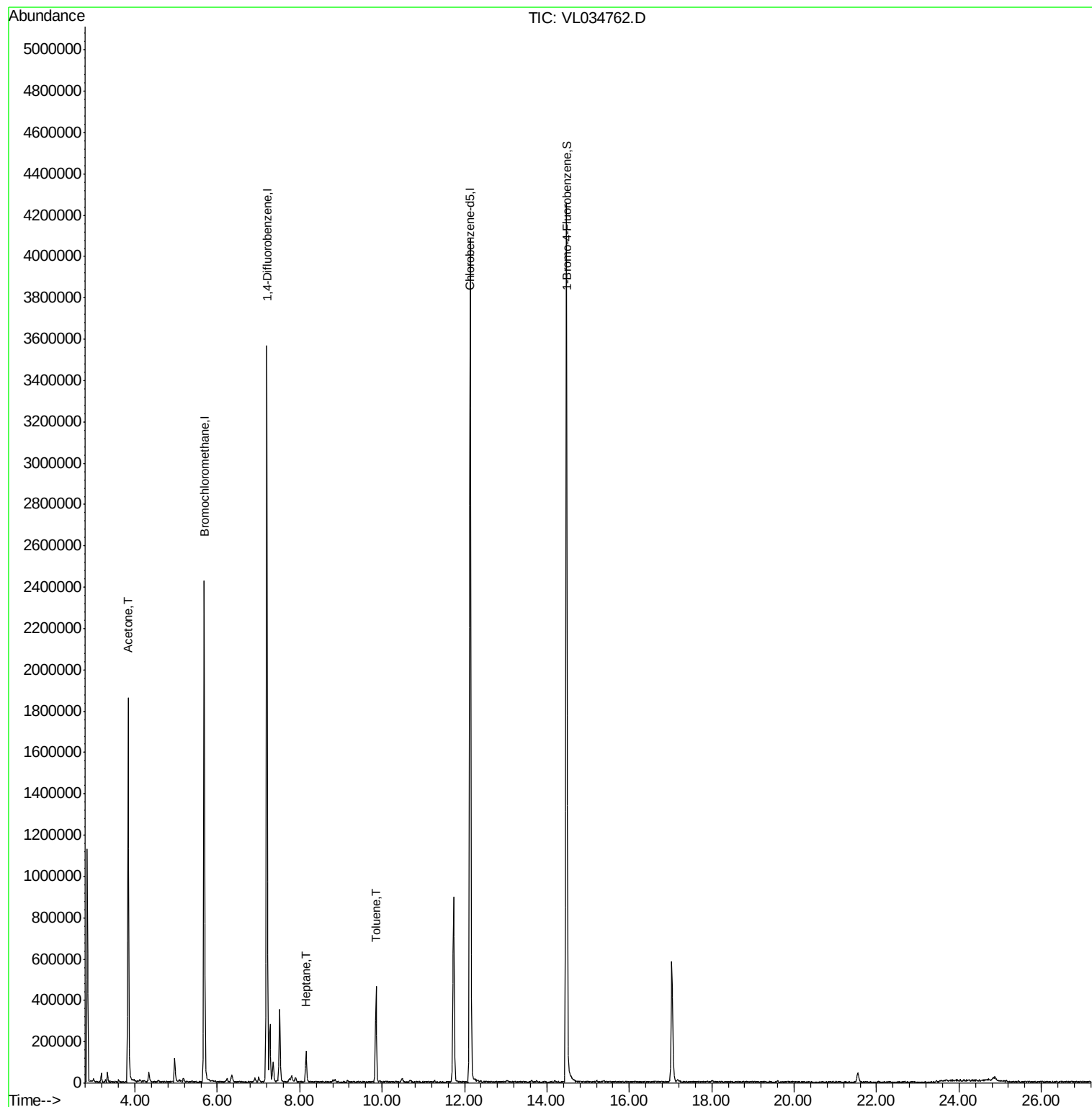
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030320\
Data File : VL034762.D
Acq On : 3 Mar 2020 13:48
Operator : SY/AP
Sample : L1704-01DL2 100X
Misc : 400ml/MSVOA L
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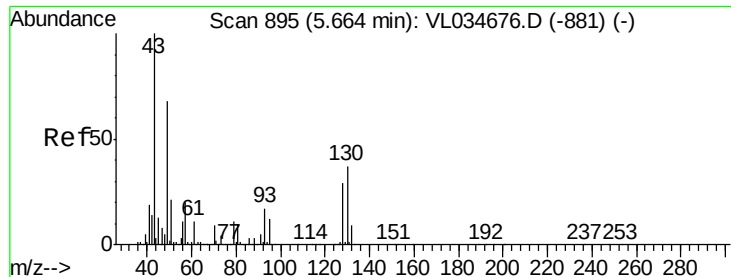
Instrument :
MSVOA_L
ClientSampleId :
IA-2-4DL2

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Quant Time: Mar 04 06:14:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4DL2

Tot Ion: 49 Resp: 1113183

Ion Ratio Lower Upper

49 100

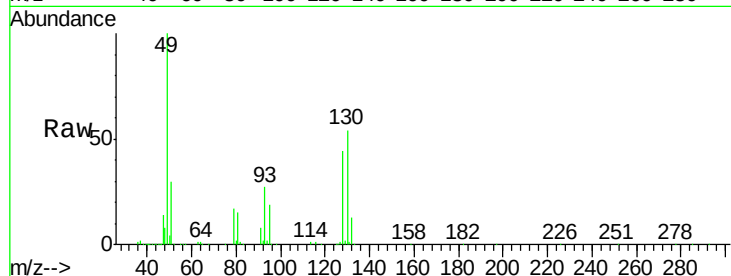
128 44.3 21.6 65.0

130 56.4 27.7 83.1

Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

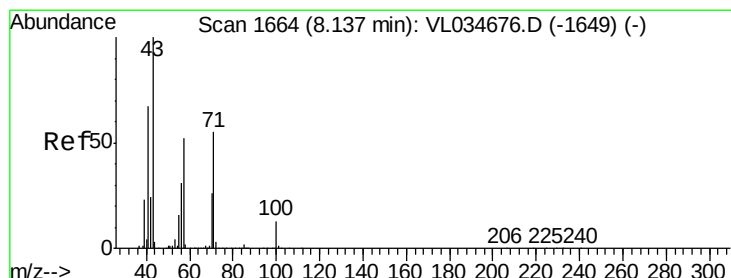
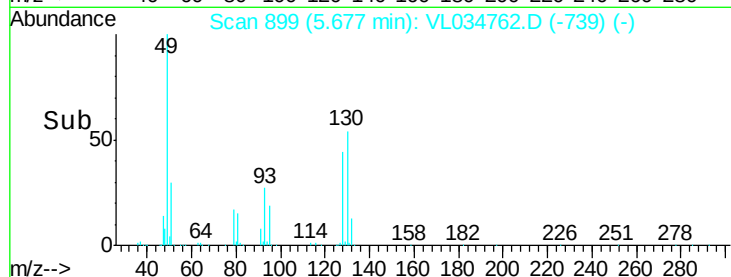
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#10

Heptane

Concen: 0.356 ppbv m

RT: 8.15 min Scan# 1669

Delta R.T. 0.02 min

Lab File: VL034762.D

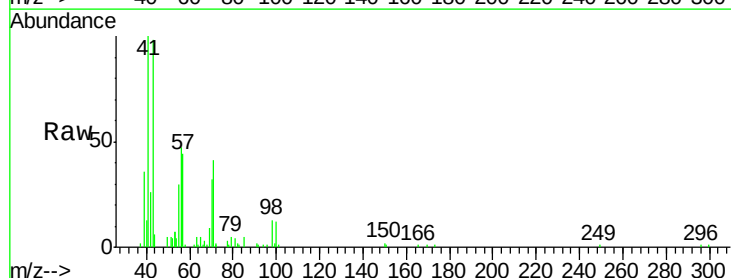
Acq: 3 Mar 2020 13:48

Tgt Ion: 43 Resp: 46047

Ion Ratio Lower Upper

43 100

57 52.3 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

30000

25000

20000

15000

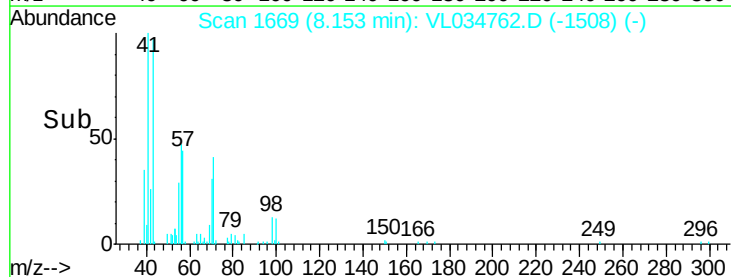
10000

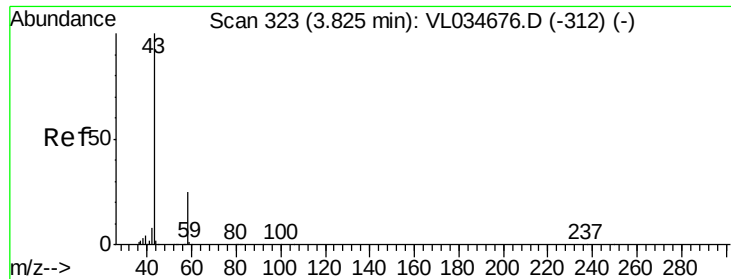
5000

0

8.10 8.15 8.20

Time-->





#15

Acetone

Concen: 14.715 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

ClientSampled :

IA-2-4DL2

Tot Ion: 43 Resp: 1866515

Ion Ratio Lower Upper

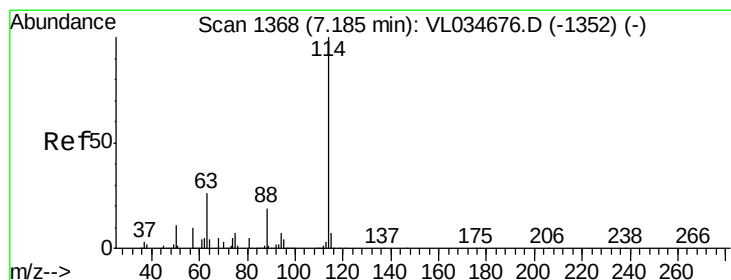
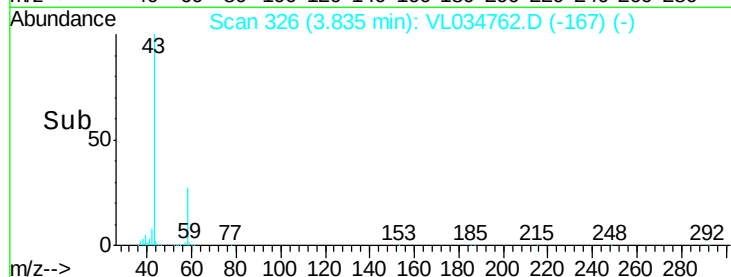
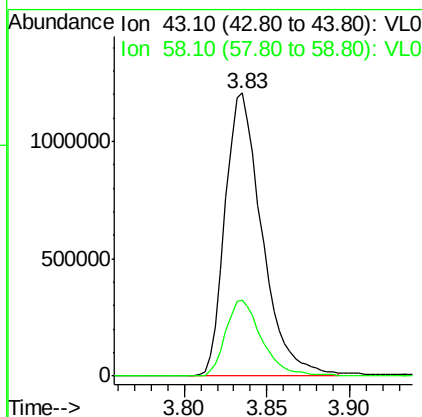
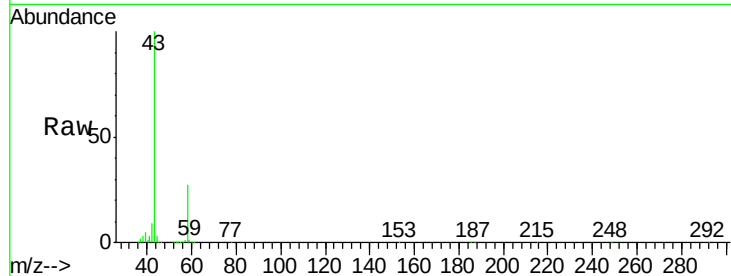
43 100

58 26.5 21.4 32.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1373

Delta R.T. 0.02 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

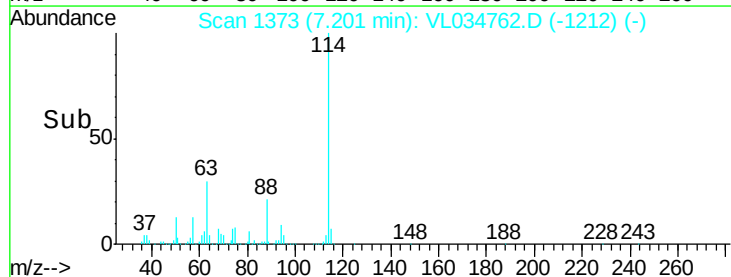
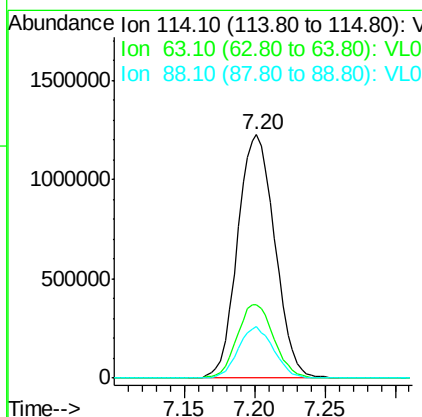
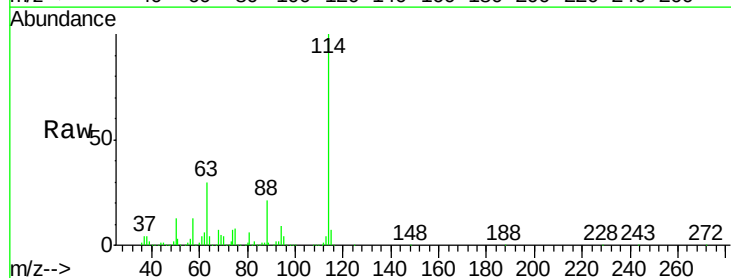
Tgt Ion: 114 Resp: 2274884

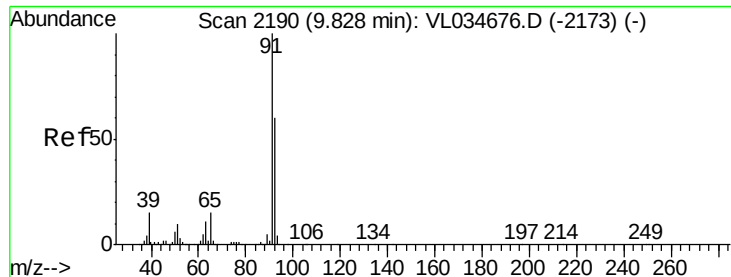
Ion Ratio Lower Upper

114 100

63 29.9 22.9 34.3

88 20.1 15.8 23.6





#53

Toluene

Concen: 1.492 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.02 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

Instrument :

MSVOA_L

ClientSampleId :

IA-2-4DL2

Tot Ion: 91 Resp: 311842

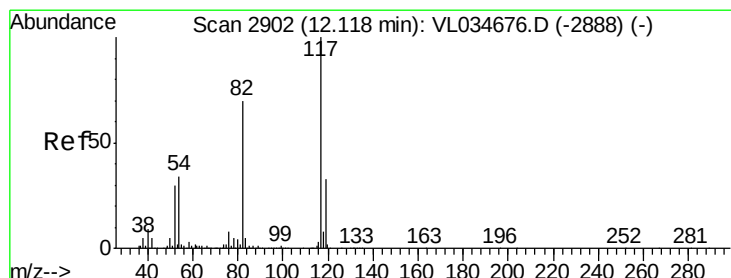
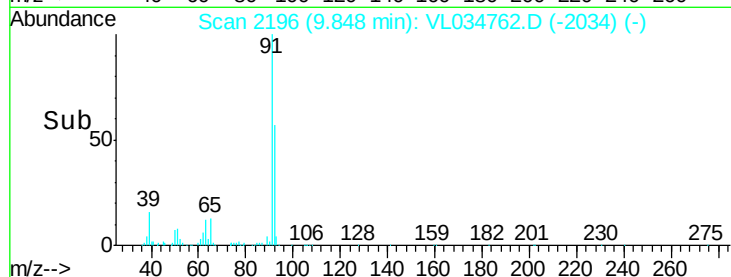
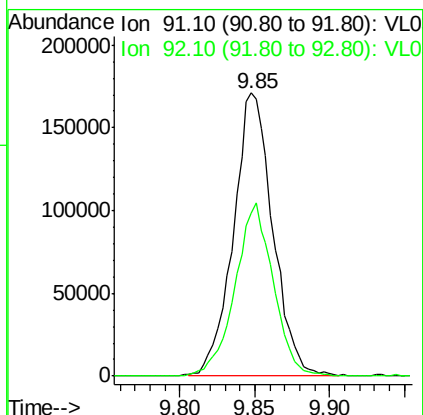
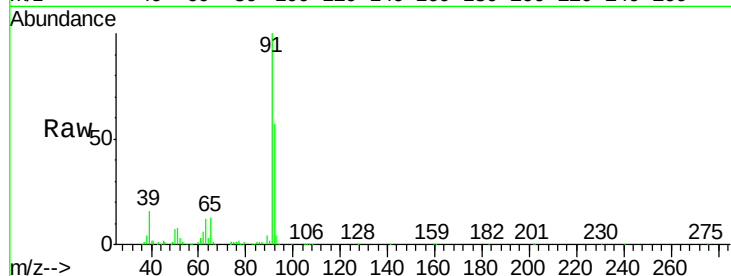
Ion Ratio Lower Upper

91 100

92 59.8 48.5 72.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.02 min

Lab File: VL034762.D

Acq: 3 Mar 2020 13:48

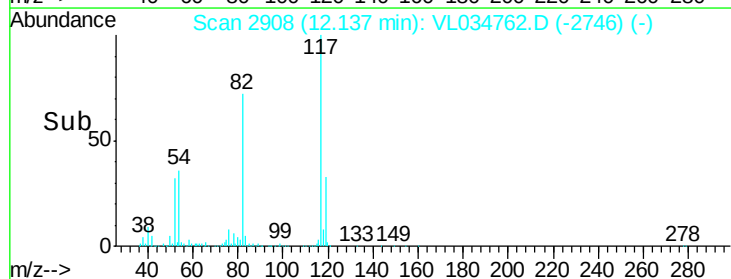
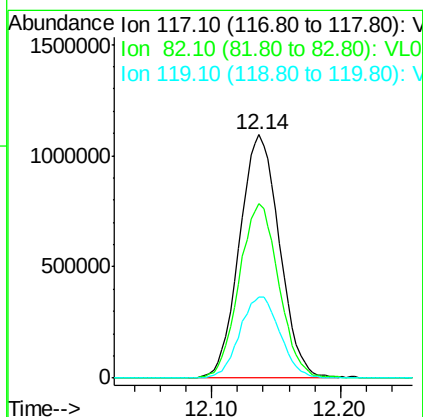
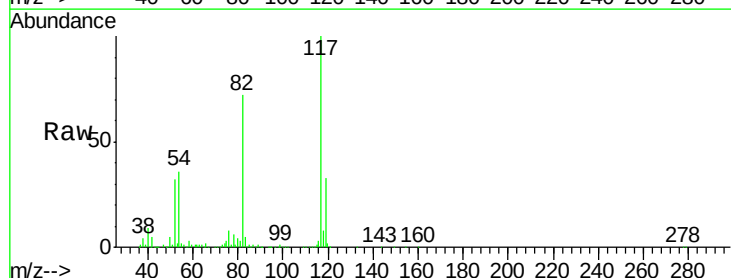
Tgt Ion: 117 Resp: 2365456

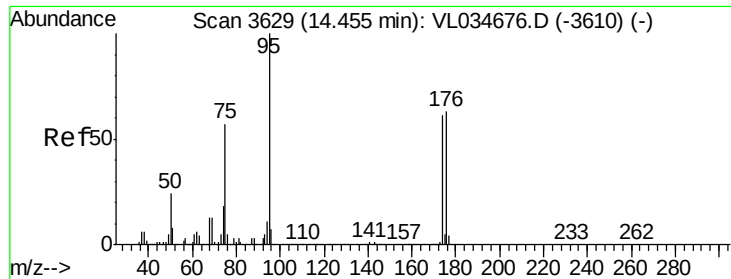
Ion Ratio Lower Upper

117 100

82 71.2 54.1 81.1

119 33.5 27.6 41.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.034 ppbv
 RT: 14.47 min Scan# 3635
 Delta R.T. 0.02 min
 Lab File: VL034762.D
 Acq: 3 Mar 2020 13:48

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2-4DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.5	50.7	76.1
175	4.7	3.9	5.9

Manual Integrations
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