

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091219\
 Data File : VL034164.D
 Acq On : 12 Sep 2019 19:43
 Operator : SY/AP
 Sample : K4775-01DL2 200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Manual Integrations
 APPROVED

MMDadoda
 9/14/2019 12:10:02 AM

Quant Time: Sep 13 10:28:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1265170	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.22	114	2104569	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	2095146	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1834336	10.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	46434m	0.588	ppbv	
15) Acetone	3.85	43	1083476	7.106	ppbv	100
34) 2-Butanone	5.28	43	99483	0.492	ppbv	97

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

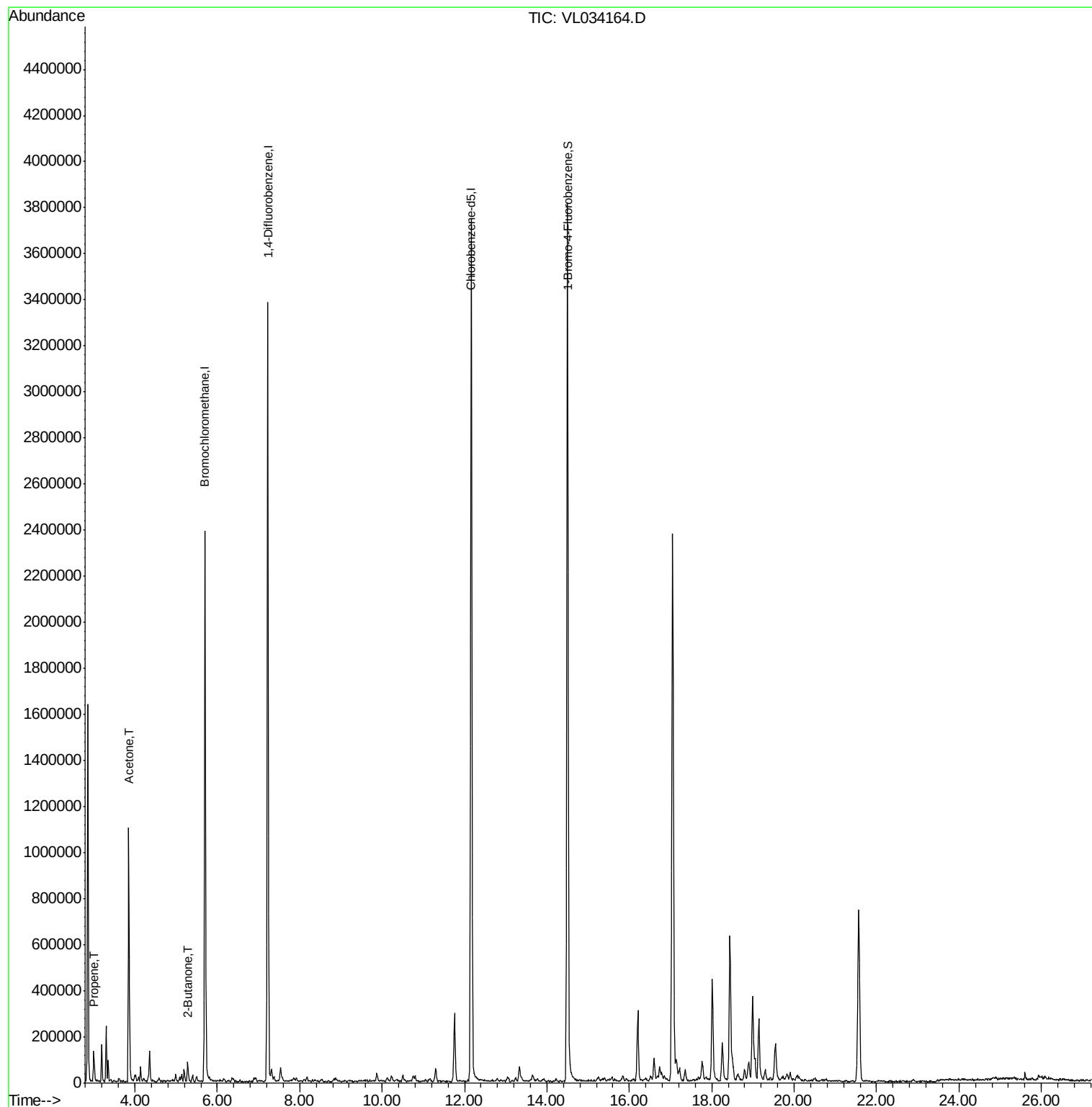
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091219\
Data File : VL034164.D
Acq On : 12 Sep 2019 19:43
Operator : SY/AP
Sample : K4775-01DL2 200X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

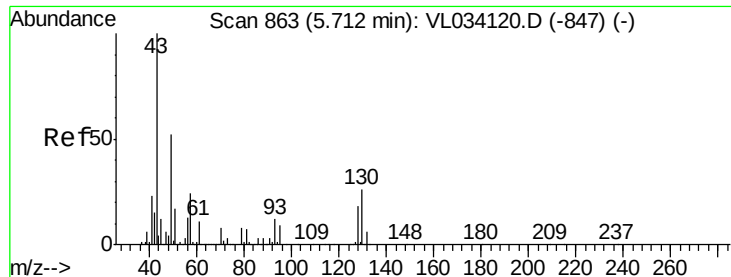
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Manual Integrations
APPROVED

MMDadoda
9/14/2019 12:10:02 AM

Quant Time: Sep 13 10:28:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.02 min

Lab File: VL034164.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion: 49 Resp: 1265170

Ion Ratio Lower Upper

49 100

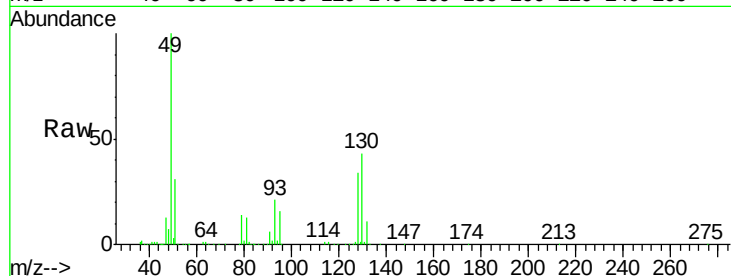
128 35.5 18.4 55.0

130 44.8 23.5 70.6

Manual Integrations
APPROVED

MMDadoda

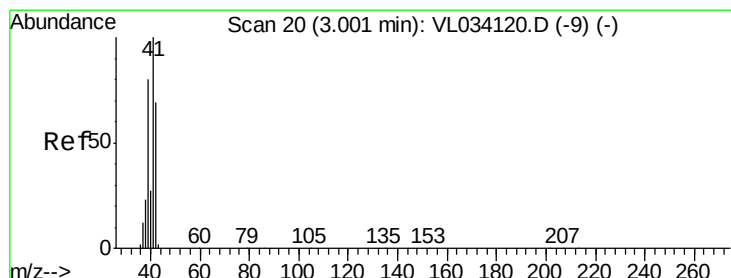
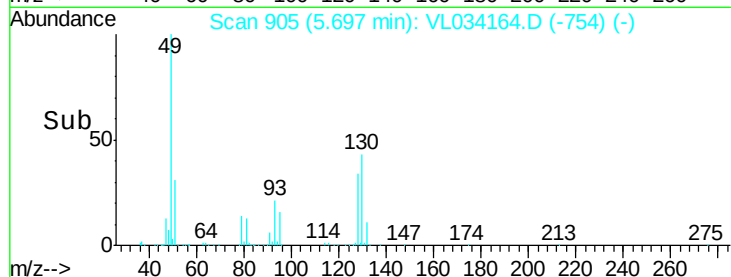
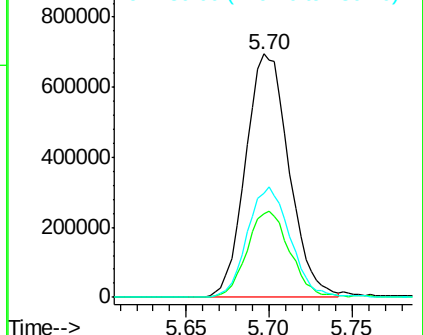
9/14/2019 12:10:02 AM



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



#9

Propene

Concen: 0.588 ppbv m

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL034164.D

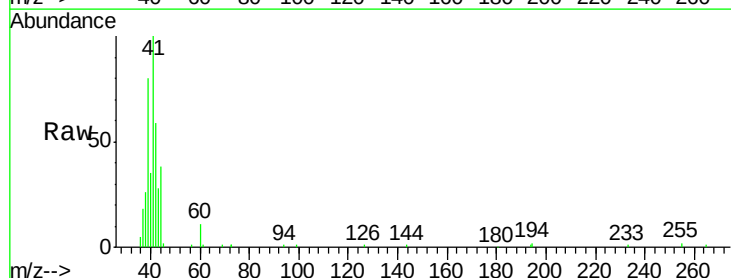
Acq: 12 Sep 2019 19:43

Tgt Ion: 41 Resp: 46434

Ion Ratio Lower Upper

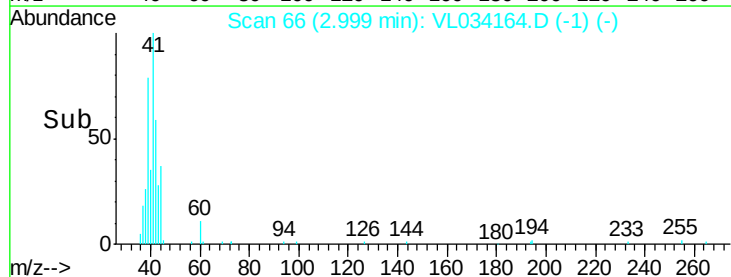
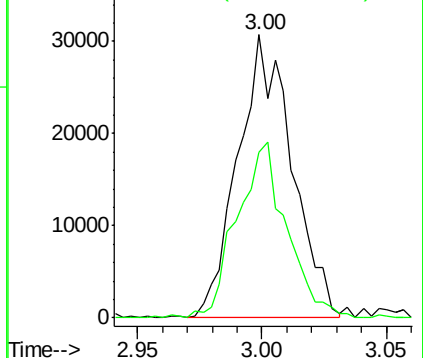
41 100

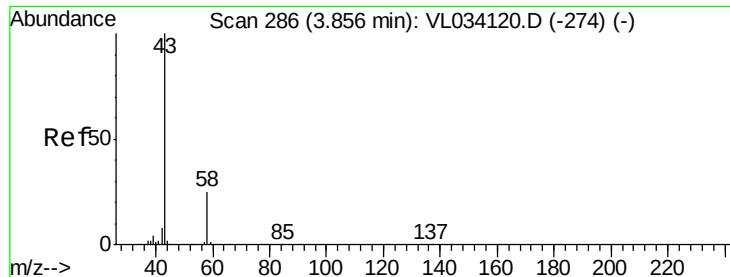
42 57.6 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 7.106 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL034164.D

Acq: 12 Sep 2019 19:43

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

Tot Ion: 43 Resp: 1083476

Ion Ratio Lower Upper

43 100

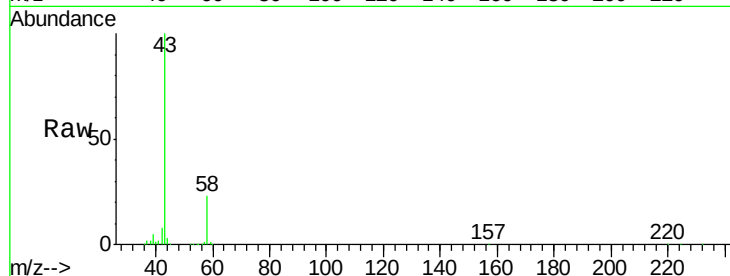
58 25.8 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

9/14/2019 12:10:02 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

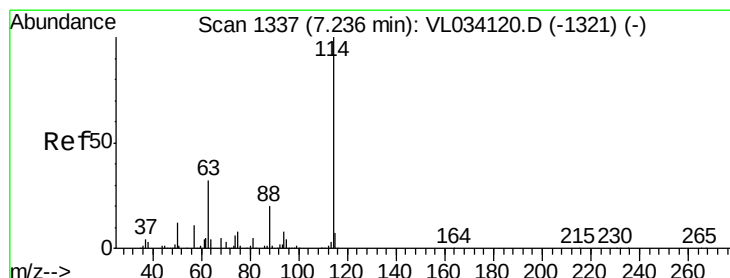
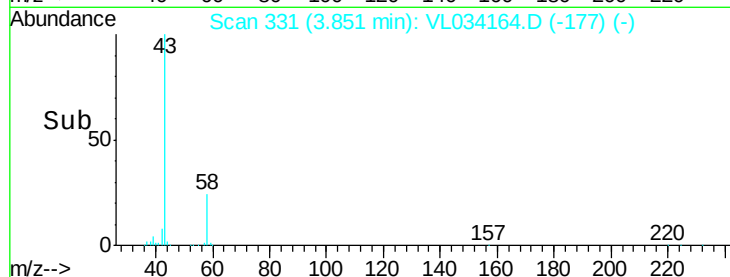
600000

400000

200000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VL034164.D

Acq: 12 Sep 2019 19:43

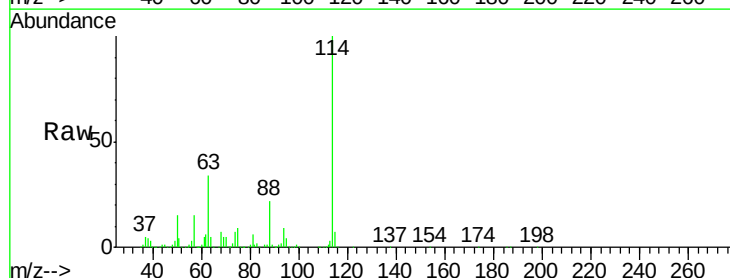
Tgt Ion: 114 Resp: 2104569

Ion Ratio Lower Upper

114 100

63 33.7 25.5 38.3

88 21.3 16.8 25.2



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

7.22

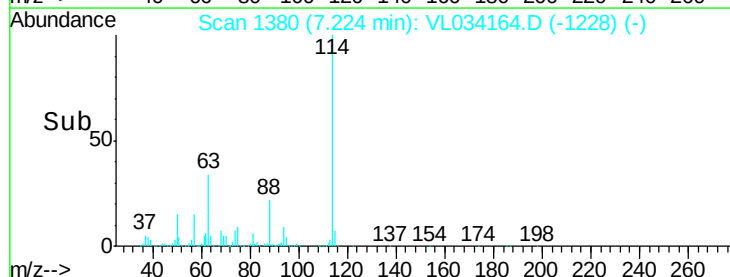
1500000

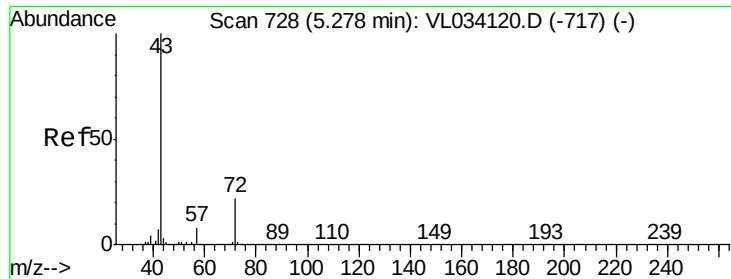
1000000

500000

0

Time-->





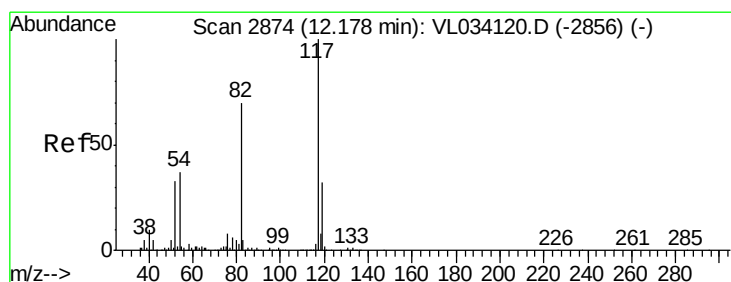
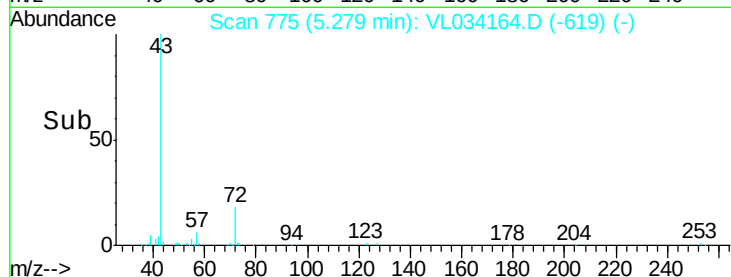
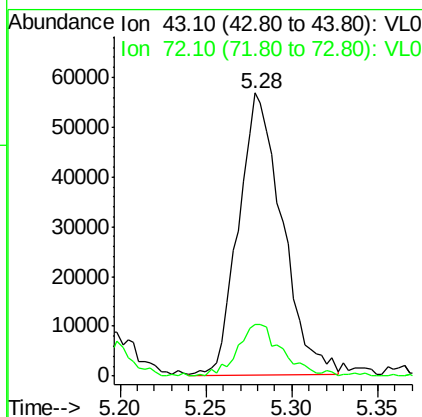
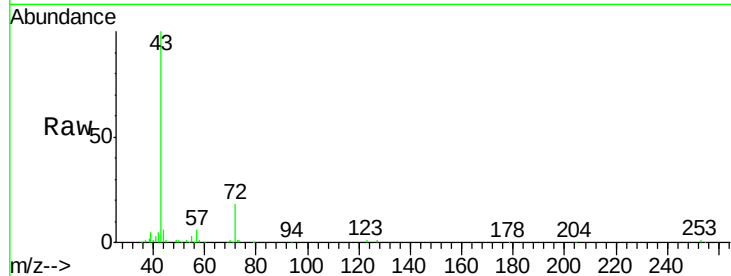
#34
2-Butanone
Concen: 0.492 ppbv
RT: 5.28 min Scan# 775
Delta R.T. 0.00 min
Lab File: VL034164.D
Acq: 12 Sep 2019 19:43

Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

Tot Ion	43	72	Ratio	Lower	Upper
Resp	99483				
Ion	43	72	100	16.5	24.7

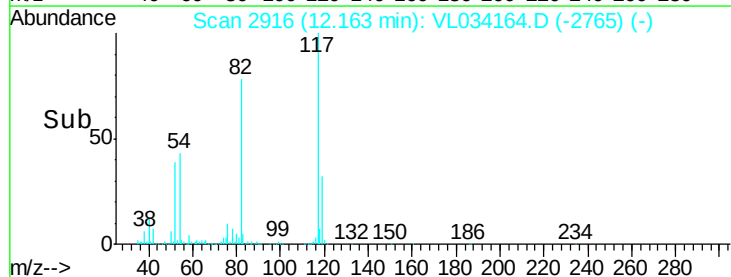
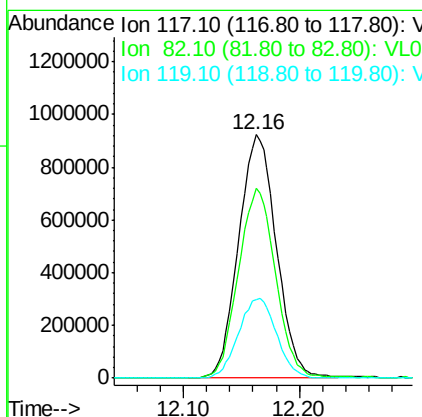
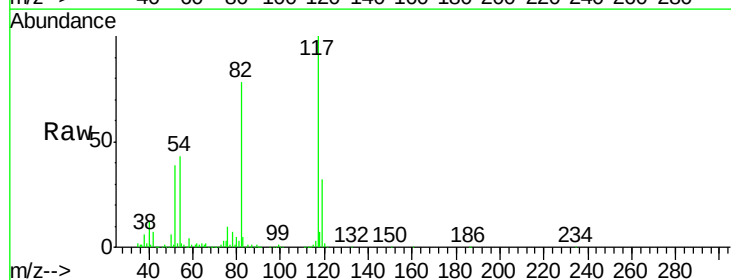
Manual Integrations
APPROVED

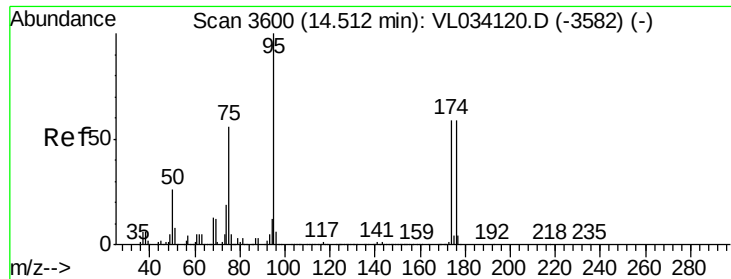
MMDadoda
9/14/2019 12:10:02 AM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL034164.D
Acq: 12 Sep 2019 19:43

Tgt Ion	117	82	119	Ratio	Lower	Upper
Resp	2095146					
Ion	117	82	119	100	55.8	64.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.710 ppbv
 RT: 14.50 min Scan# 3642
 Delta R.T. -0.02 min
 Lab File: VL034164.D
 Acq: 12 Sep 2019 19:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Tot Ion: 95 Resp: 1834336
 Ion Ratio Lower Upper
 95 100
 174 58.0 48.1 72.1
 175 4.1 3.5 5.3

Manual Integrations
 APPROVED

MMDadoda
 9/14/2019 12:10:02 AM

