

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021820\
 Data File : VL034628.D
 Acq On : 18 Feb 2020 17:40
 Operator : SY/AP
 Sample : L1532-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-IADL

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:25:49 PM

Quant Time: Feb 19 06:45:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	805169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1701568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1744265	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1474941	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	13570m	1.337	ppbv	
15) Acetone	3.84	43	170299	1.439	ppbv	97
52) Tetrachloroethene	11.25	164	10684m	0.176	ppbv	

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

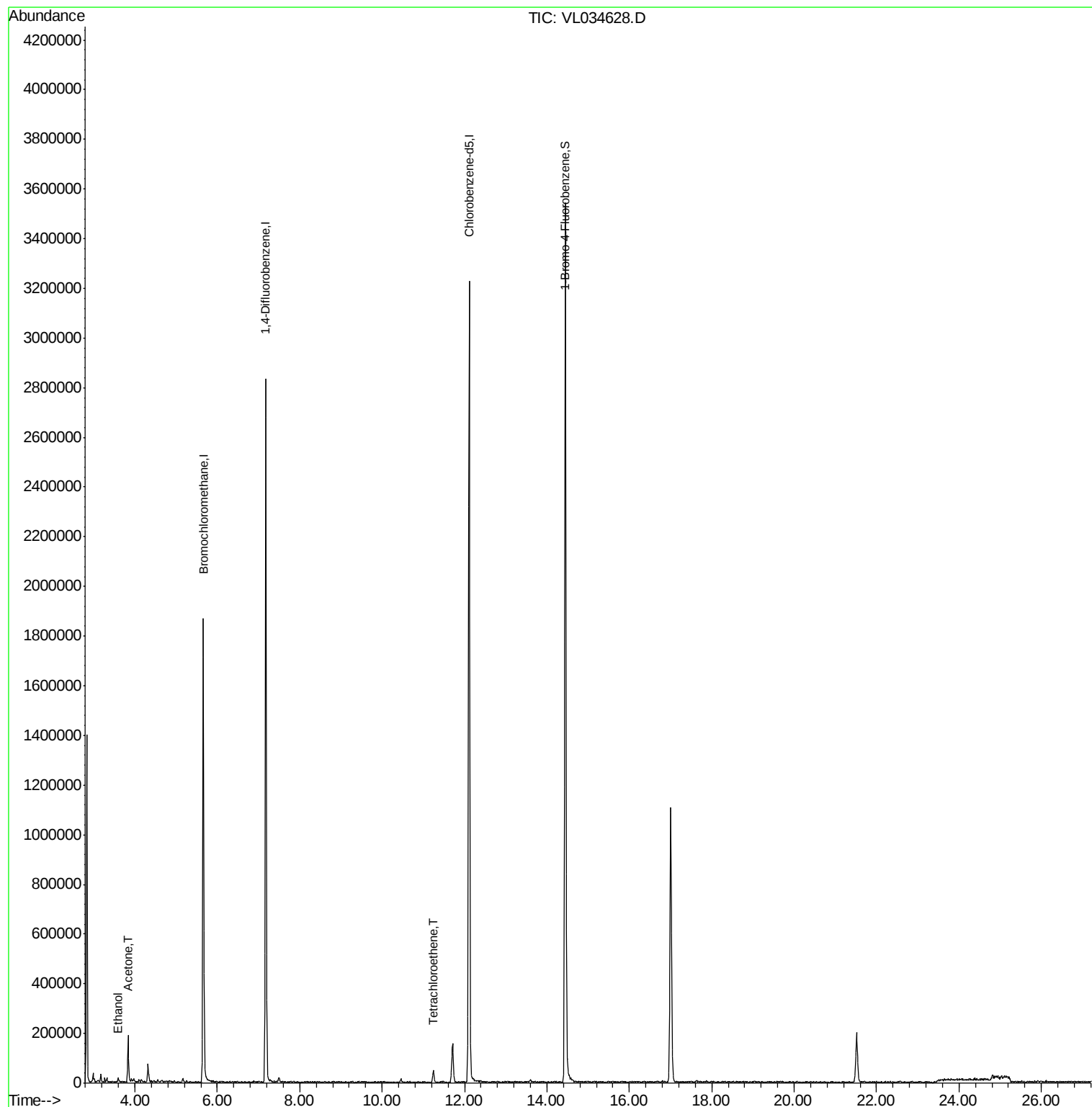
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021820\
Data File : VL034628.D
Acq On : 18 Feb 2020 17:40
Operator : SY/AP
Sample : L1532-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

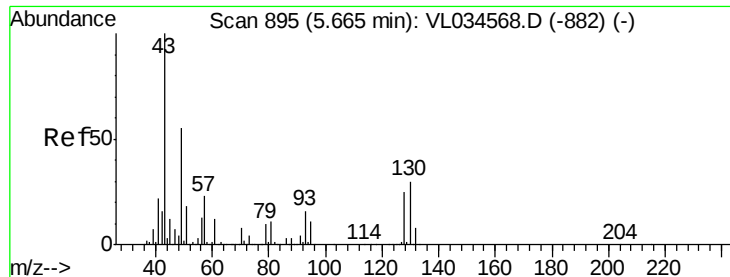
Instrument :
MSVOA_L
ClientSampleId :
DC-IADL

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:25:49 PM

Quant Time: Feb 19 06:45:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL034628.D

Acq: 18 Feb 2020 17:40

Instrument :

MSVOA_L

ClientSampled :

DC-IADL

Tot Ion: 49 Resp: 805169

Ion Ratio Lower Upper

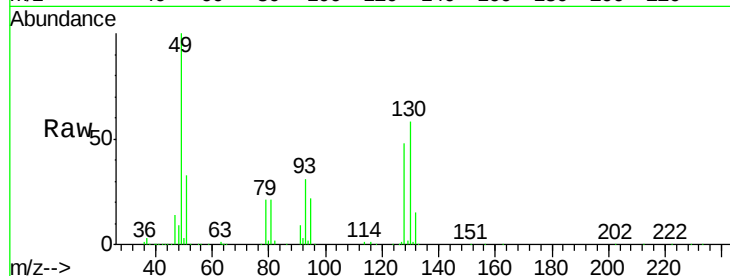
49 100

128 46.6 22.7 68.1

130 59.3 28.6 85.8

Manual Integrations
APPROVED

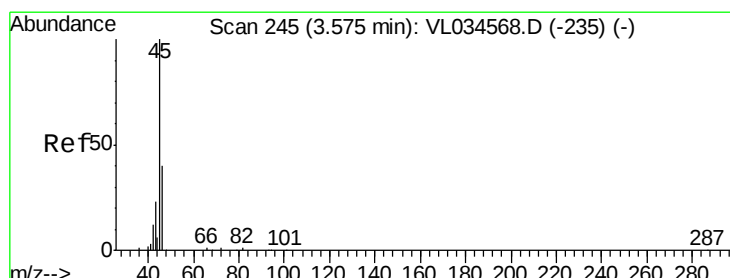
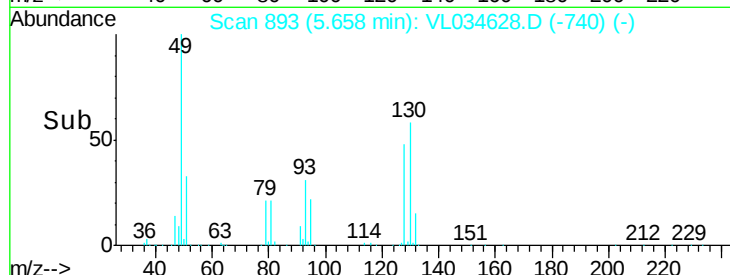
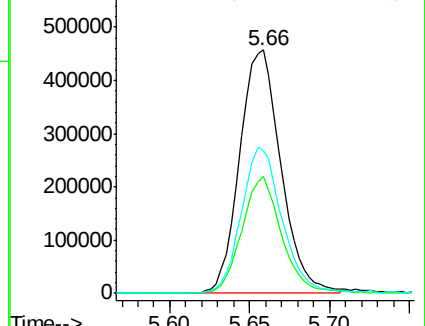
MMDadoda
2/21/2020 3:25:49 PM



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: 1.337 ppbv m

RT: 3.59 min Scan# 250

Delta R.T. 0.02 min

Lab File: VL034628.D

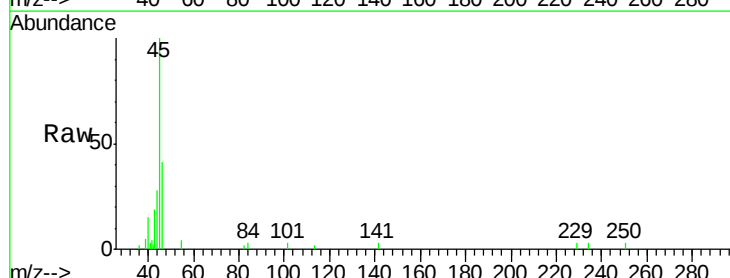
Acq: 18 Feb 2020 17:40

Tgt Ion: 45 Resp: 13570

Ion Ratio Lower Upper

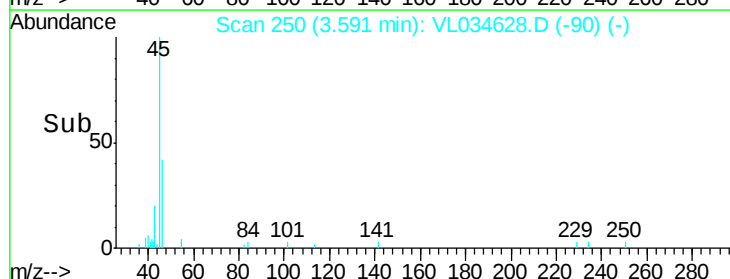
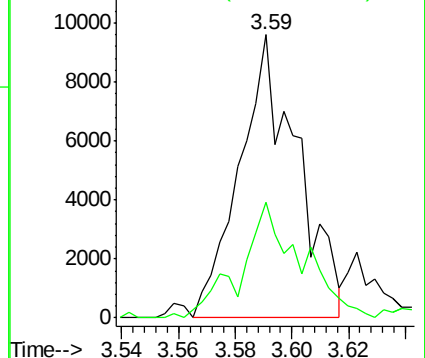
45 100

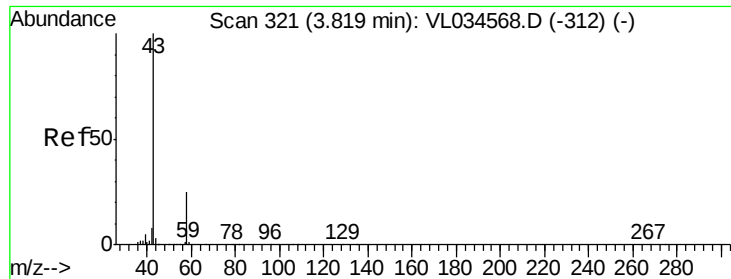
46 0.0 14.8 59.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





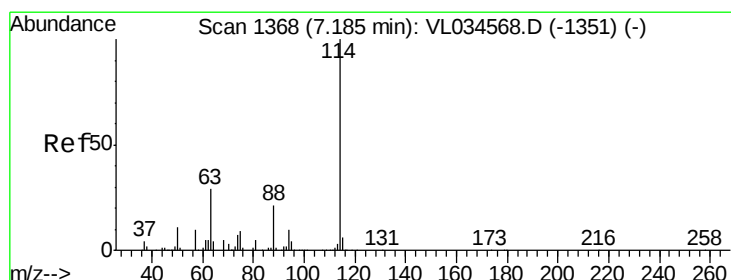
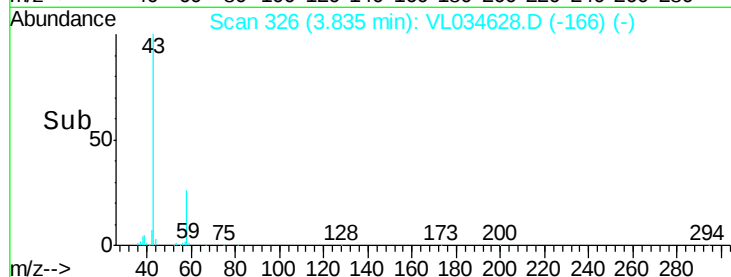
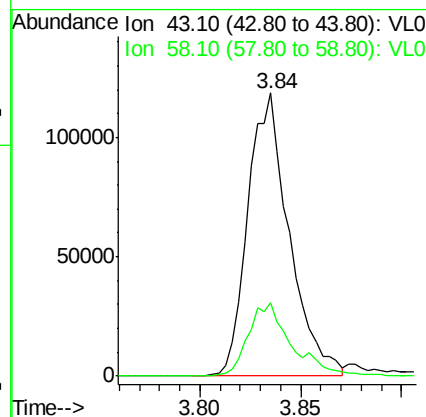
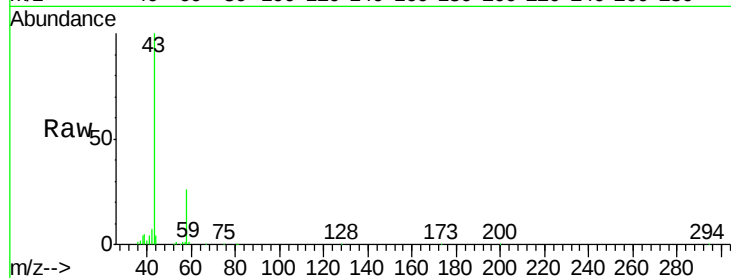
#15
Acetone
Concen: 1.439 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Instrument :
MSVOA_L
ClientSampled :
DC-IADL

Tot Ion	43	Resp	170299
Ion Ratio	Lower	Upper	
43	100		
58	27.1	20.3	30.5

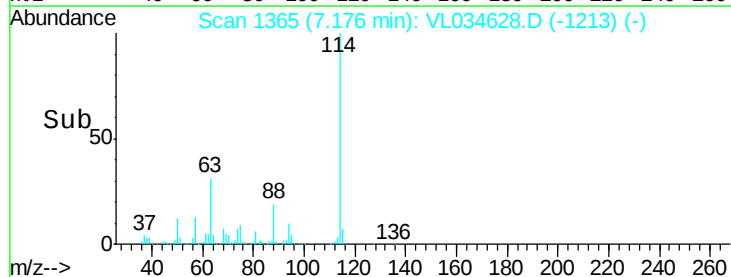
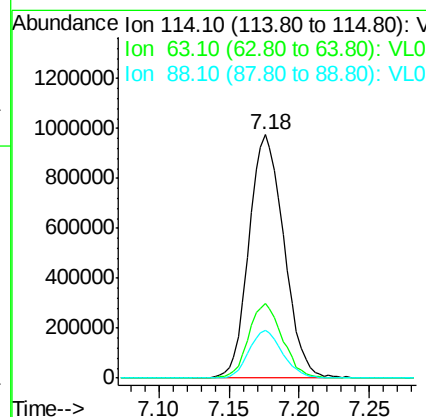
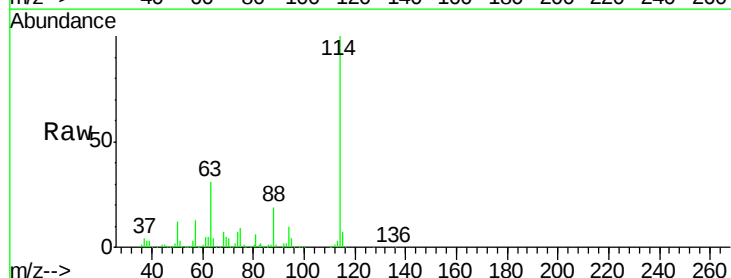
Manual Integrations
APPROVED

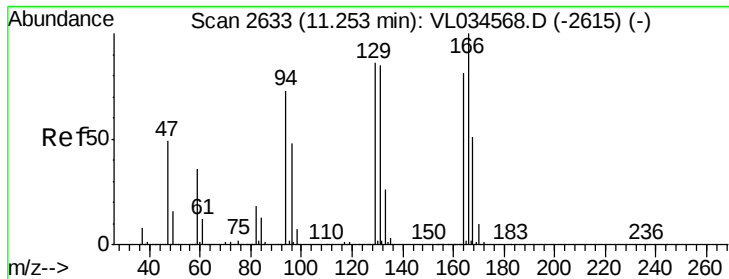
MMDadoda
2/21/2020 3:25:49 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034628.D
Acq: 18 Feb 2020 17:40

Tgt Ion	114	Resp	1701568
Ion Ratio	Lower	Upper	
114	100		
63	29.7	24.1	36.1
88	18.8	15.9	23.9





#52

Tetrachloroethene

Concen: 0.176 ppbv m

RT: 11.25 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VL034628.D

Acq: 18 Feb 2020 17:40

Instrument :

MSVOA_L

ClientSampled :

DC-IADL

Tot Ion:164 Resp: 10684

Ion Ratio Lower Upper

164 100

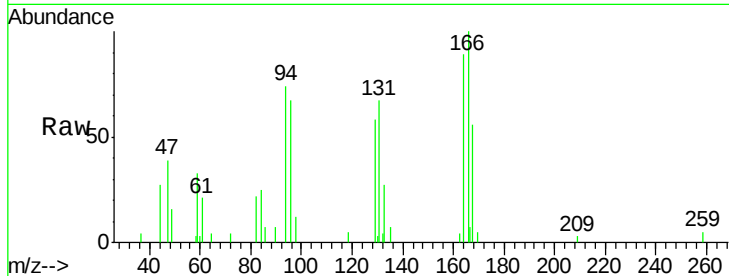
166 112.6 99.0 148.4

129 64.9 85.3 127.9#

131 75.4 84.2 126.2#

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:25:49 PM

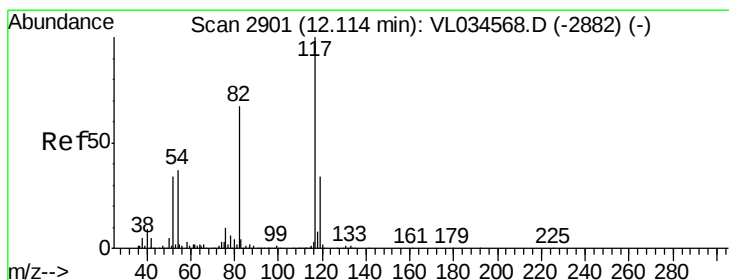
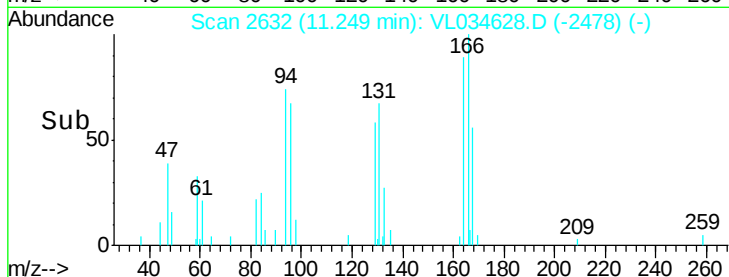
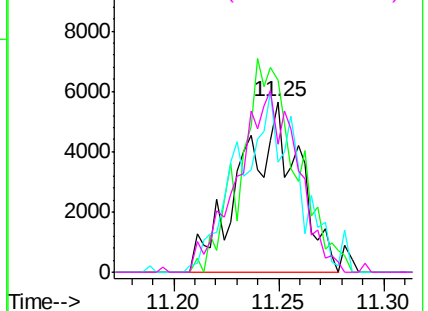


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL034628.D

Acq: 18 Feb 2020 17:40

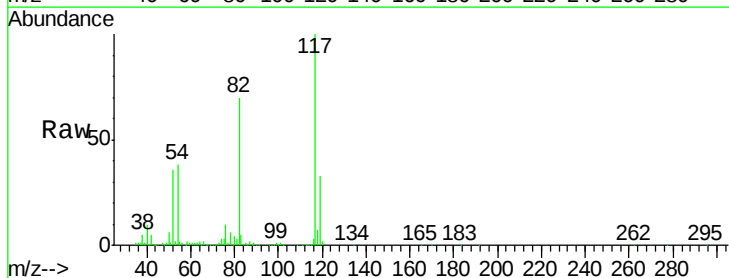
Tgt Ion:117 Resp: 1744265

Ion Ratio Lower Upper

117 100

82 71.2 54.2 81.4

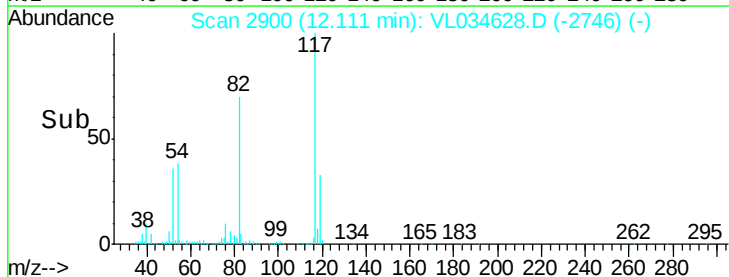
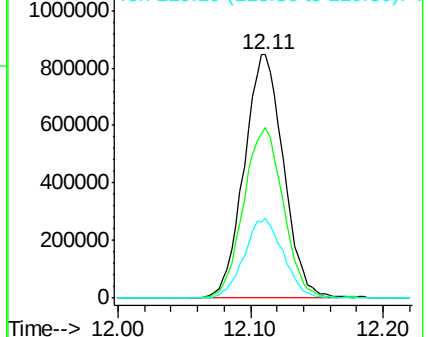
119 32.5 26.1 39.1

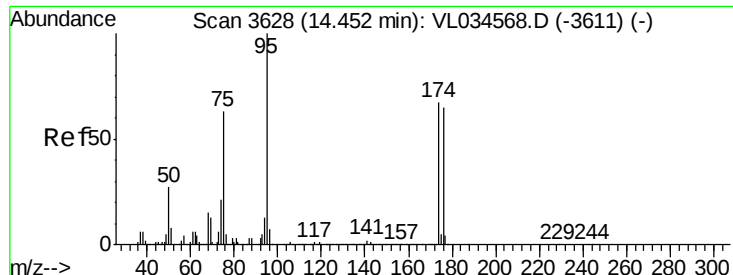


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.005 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL034628.D
 Acq: 18 Feb 2020 17:40

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-IADL

Tot Ion: 95 Resp: 1474941
 Ion Ratio Lower Upper
 95 100
 174 65.2 52.3 78.5
 175 4.6 3.8 5.6

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:25:49 PM

