

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035058.D
 Acq On : 20 May 2020 00:12
 Operator : SY/AP
 Sample : L2683-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-SSDL

Manual Integrations
 APPROVED

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 5/20/2020 4:27:56 PM

Quant Time: May 20 06:54:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1101659	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2483728	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2427758	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2058385	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%
Target Compounds						
13) Ethanol	3.57	45	18031m	1.001	ppbv	Ovalue
52) Tetrachloroethene	11.23	164	268361	3.686	ppbv	97

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

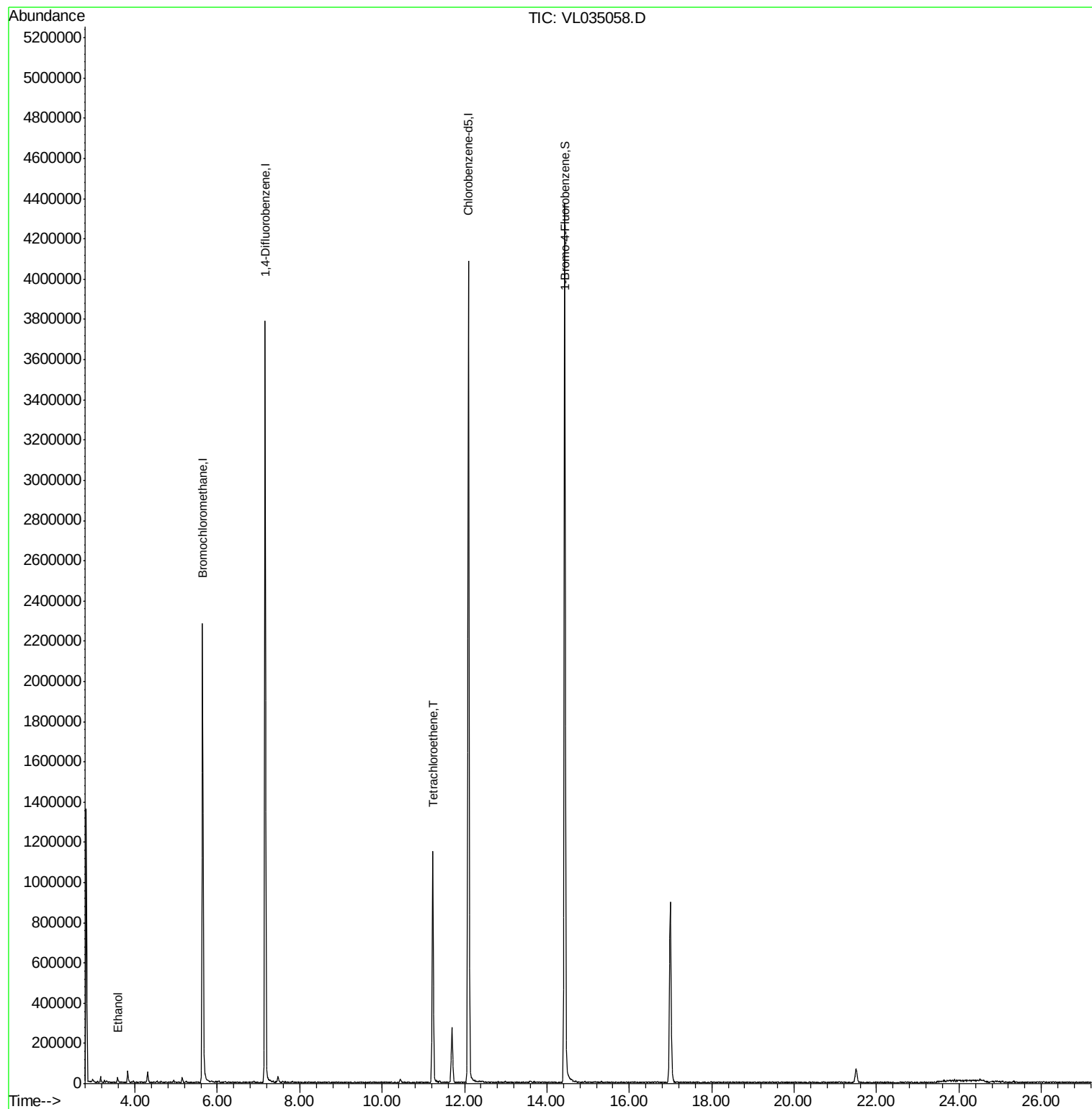
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035058.D
Acq On : 20 May 2020 00:12
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

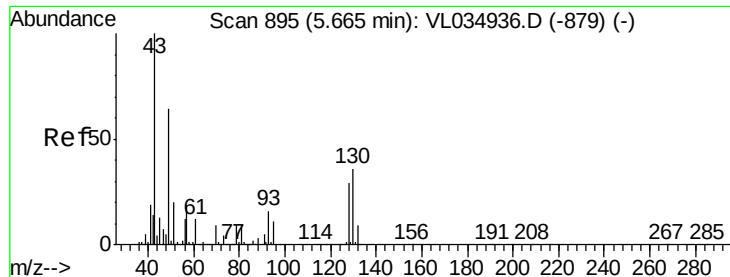
Instrument :
MSVOA_L
ClientSampled :
DC-SSDL

Manual Integrations
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Quant Time: May 20 06:54:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035058.D

Acq: 20 May 2020 00:12

Instrument :

MSVOA_L

ClientSampleId :

DC-SSDL

Tot Ion: 49 Resp: 1101659

Ion Ratio Lower Upper

49 100

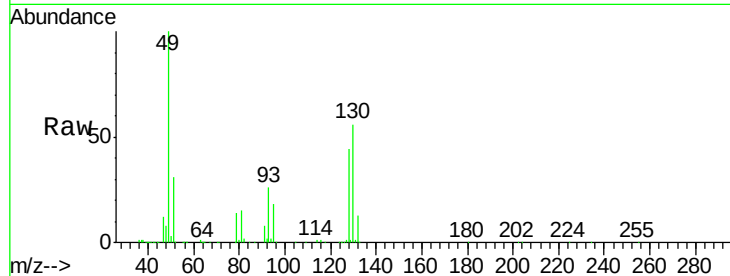
128 45.4 22.1 66.5

130 58.3 29.1 87.3

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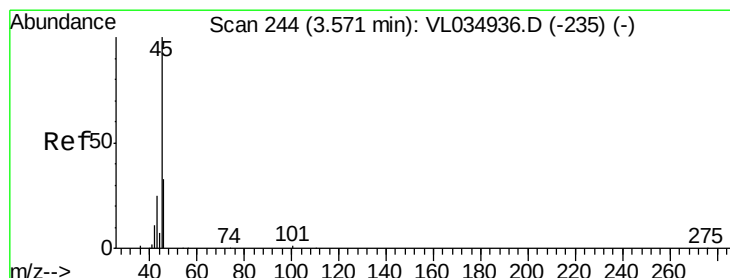
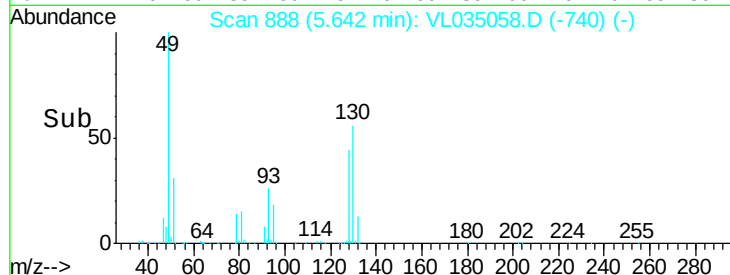
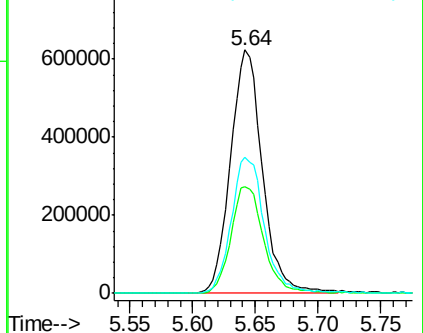
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 1.001 ppbv m

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL035058.D

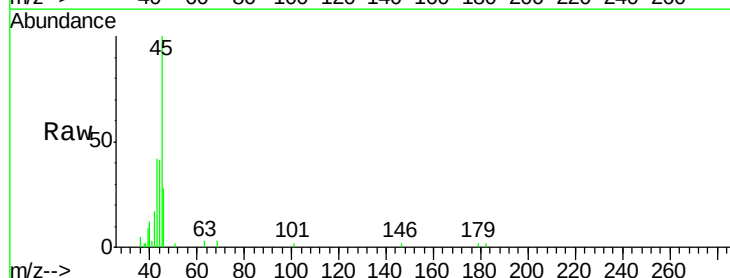
Acq: 20 May 2020 00:12

Tgt Ion: 45 Resp: 18031

Ion Ratio Lower Upper

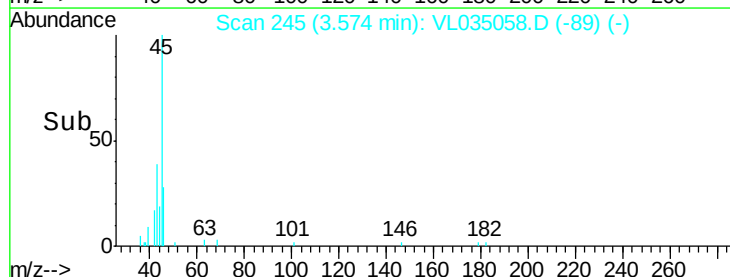
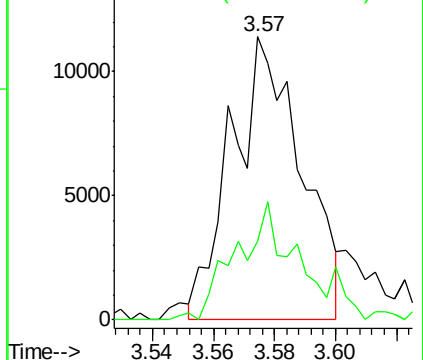
45 100

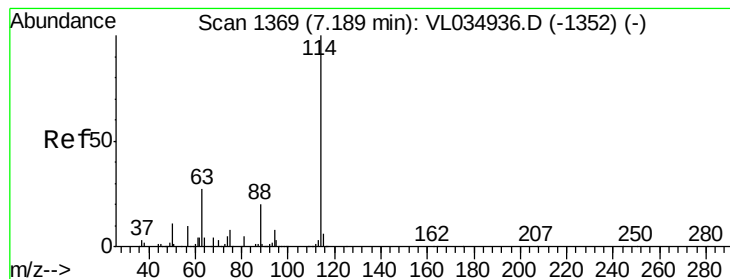
46 0.0 14.3 57.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.03 min

Lab File: VL035058.D

Acq: 20 May 2020 00:12

Instrument :

MSVOA_L

ClientSampleId :

DC-SSDL

Tot Ion:114 Resp: 2483728

Ion Ratio Lower Upper

114 100

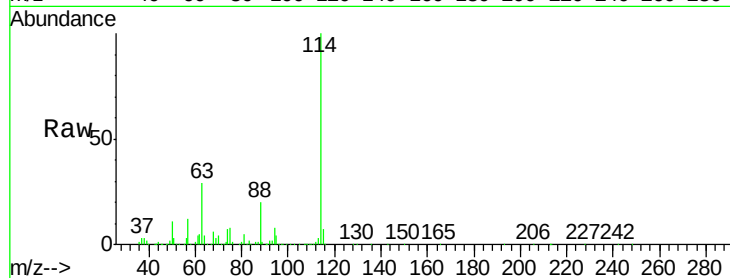
63 28.4 22.2 33.4

88 19.7 15.5 23.3

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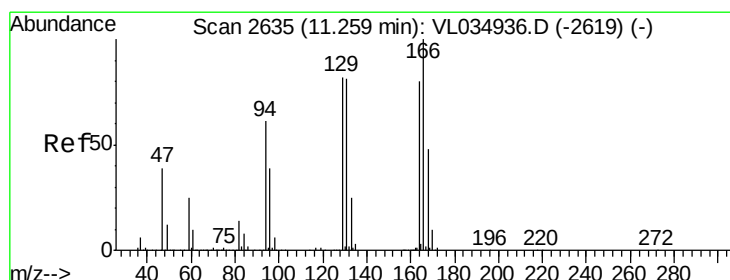
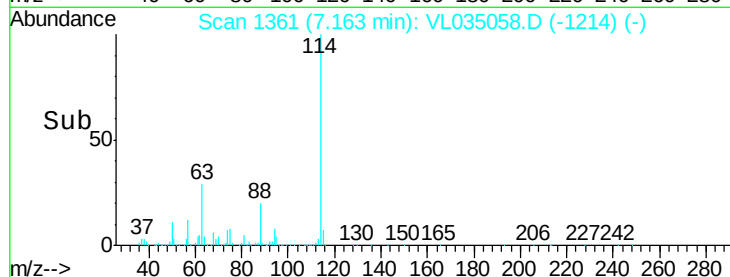
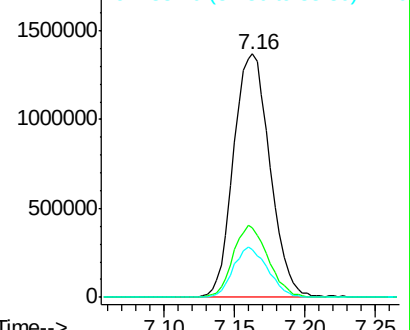
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#52

Tetrachloroethene

Concen: 3.686 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.03 min

Lab File: VL035058.D

Acq: 20 May 2020 00:12

Tgt Ion:164 Resp: 268361

Ion Ratio Lower Upper

164 100

166 120.6 100.7 151.1

129 102.0 83.0 124.4

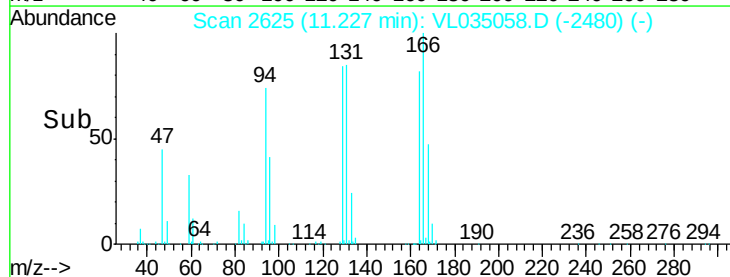
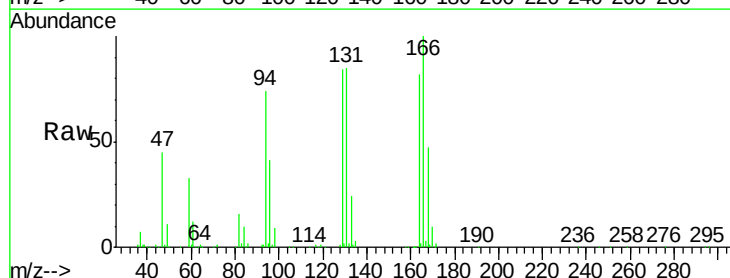
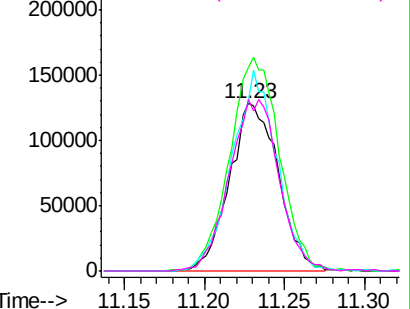
131 102.1 81.0 121.4

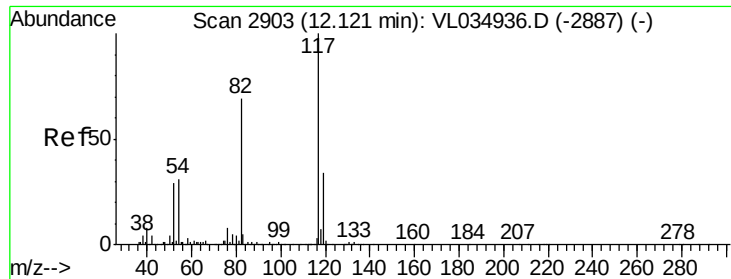
Abundance Ion 163.90 (163.60 to 164.60): V

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





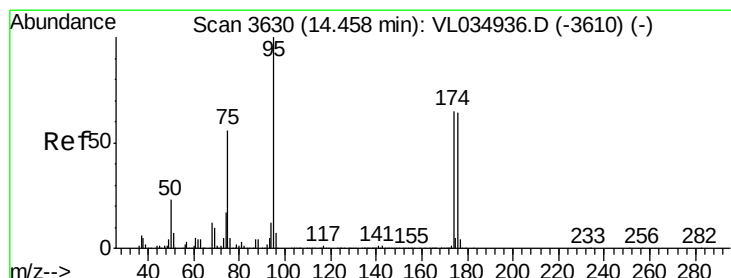
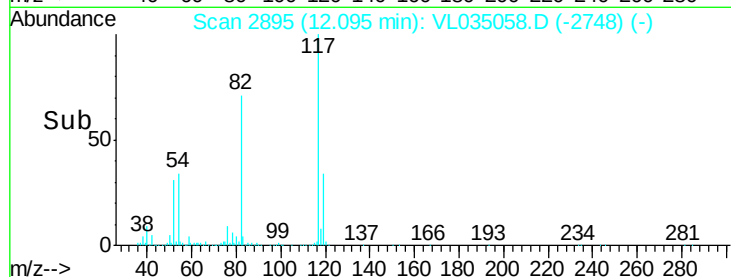
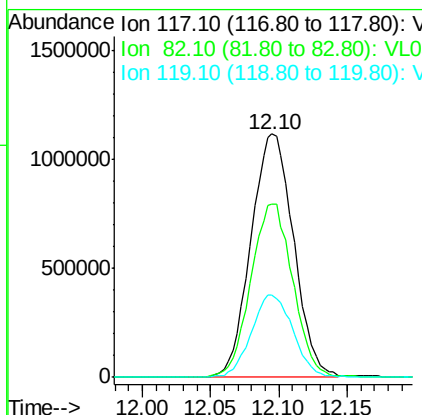
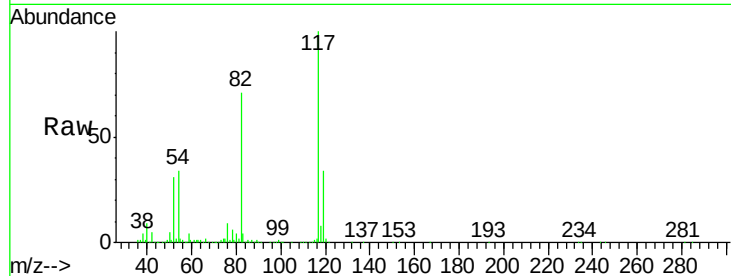
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

Instrument :
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Tot Ion	Ratio	Lower	Upper
117	100		
82	70.5	53.1	79.7
119	33.1	26.7	40.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.475 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035058.D
Acq: 20 May 2020 00:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.6	51.5	77.3
175	4.7	3.8	5.8

