

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035111.D
 Acq On : 22 Jun 2020 14:56
 Operator : SY/AP
 Sample : L3075-01DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-01DL2

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:20 AM

Quant Time: Jun 22 15:27:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1294946	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2964376	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2854737	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2458043	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%
Target Compounds						Ovalue
13) Ethanol	3.58	45	40179m	1.878	ppbv	
27) Carbon Disulfide	4.53	76	1639503	12.436	ppbv	98

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

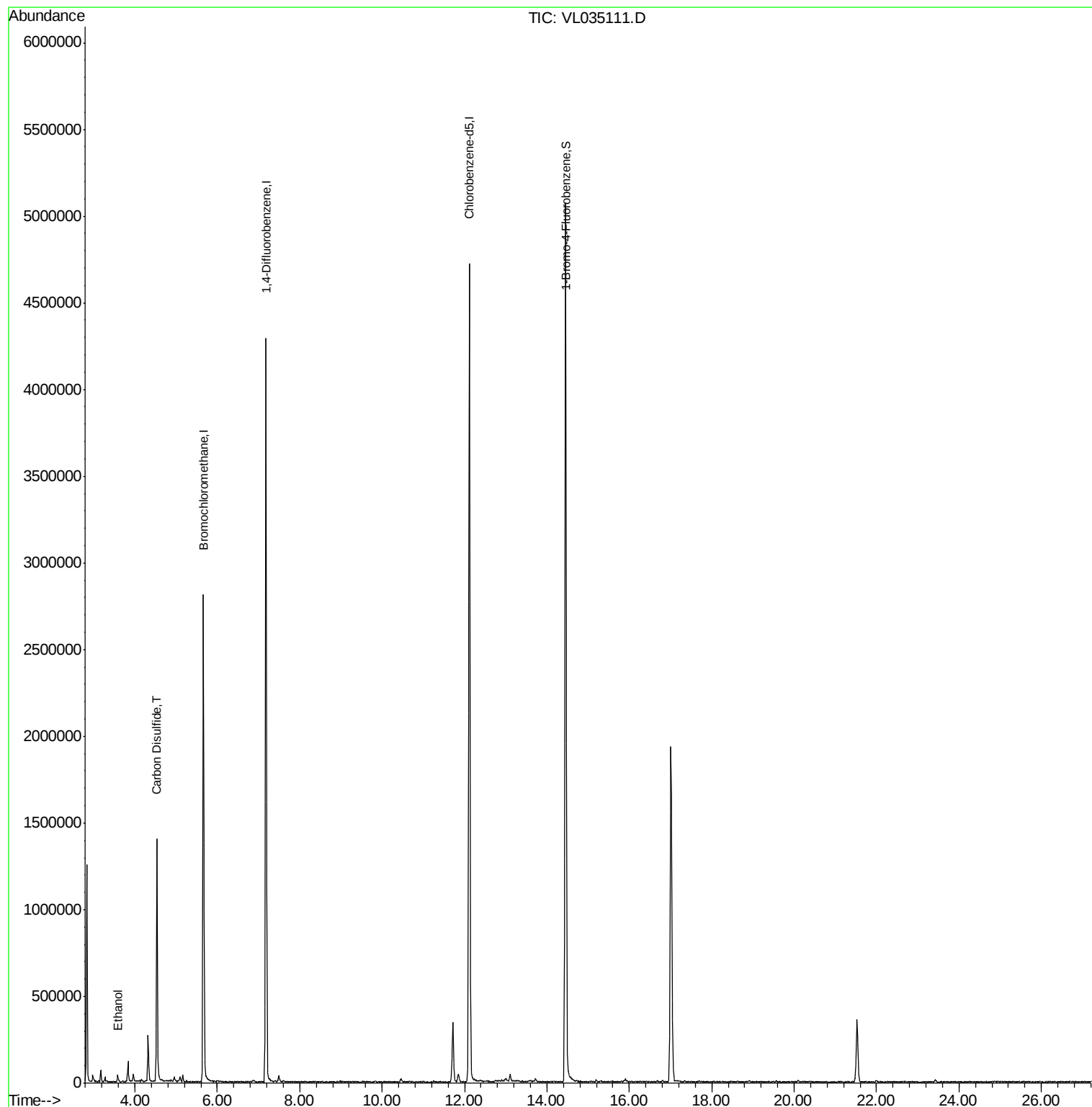
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062220\
Data File : VL035111.D
Acq On : 22 Jun 2020 14:56
Operator : SY/AP
Sample : L3075-01DL2 40X
Misc : 400ml/MSVOA L
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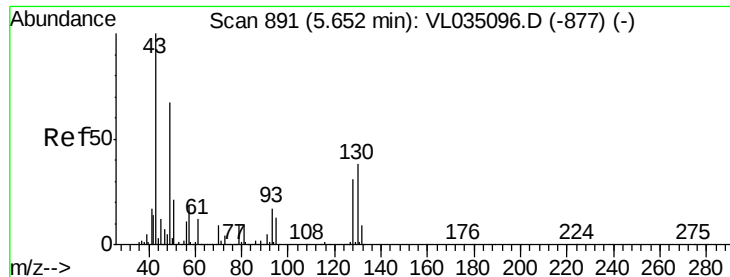
Instrument :
MSVOA_L
ClientSampleId :
CARBON-01DL2

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6/23/2020 10:59:20 AM

Quant Time: Jun 22 15:27:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LS Sat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

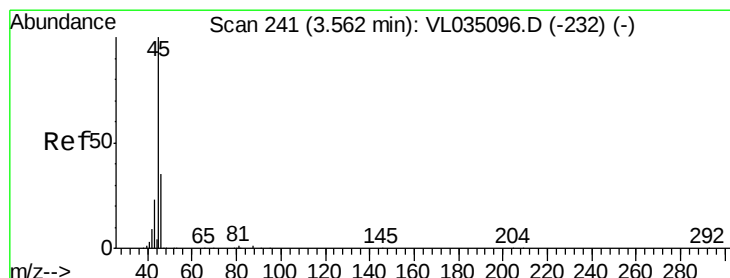
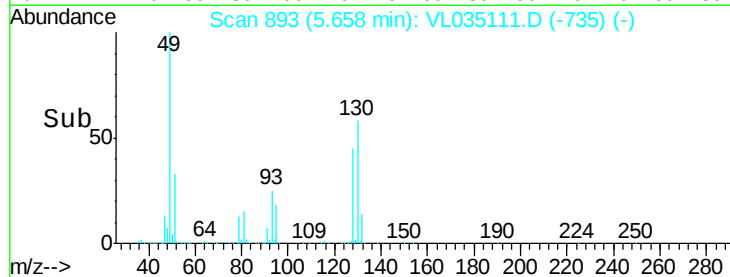
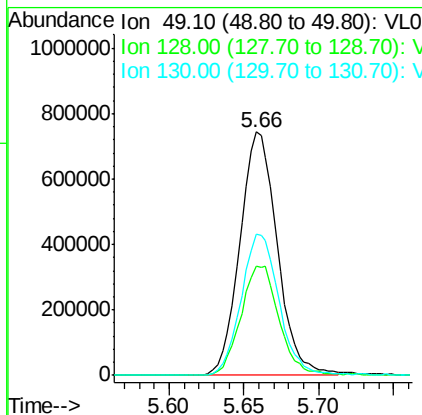
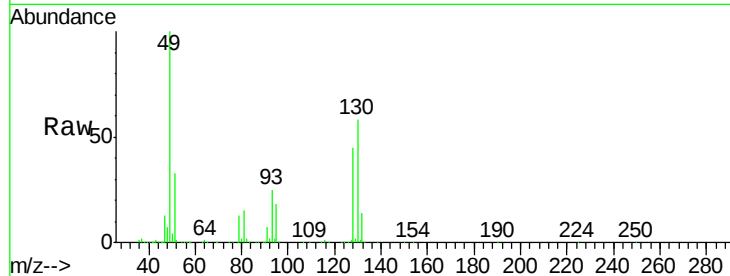
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VL035111.D
 Acq: 22 Jun 2020 14:56

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-01DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.8	22.9	68.5
130	59.1	29.0	87.0

Manual Integrations
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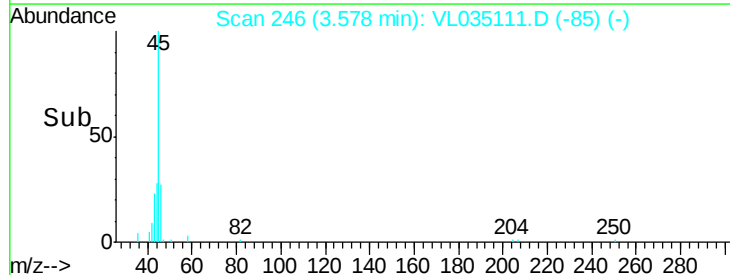
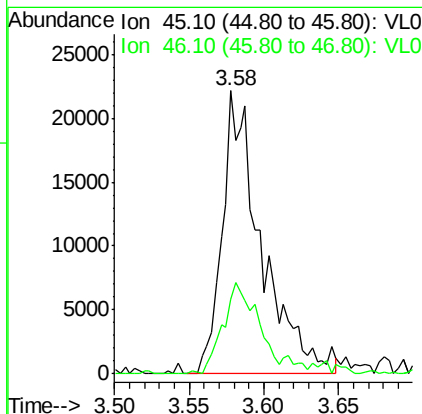
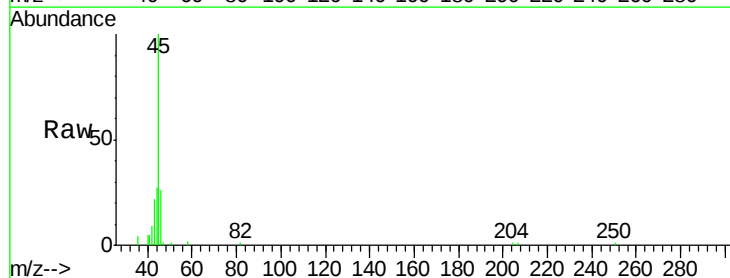
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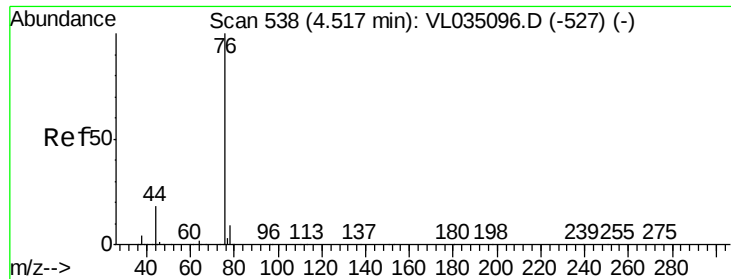


#13

Ethanol
 Concen: 1.878 ppbv m
 RT: 3.58 min Scan# 246
 Delta R.T. 0.02 min
 Lab File: VL035111.D
 Acq: 22 Jun 2020 14:56

Tgt Ion	Ratio	Lower	Upper
45	100		
46	32.6	14.2	57.0





#27

Carbon Disulfide

Concen: 12.436 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035111.D

Acq: 22 Jun 2020 14:56

Instrument :

MSVOA_L

ClientSampleId :

CARBON-01DL2

Tot Ion: 76 Resp: 1639503

Ion Ratio Lower Upper

76 100

44 18.7 15.8 23.8

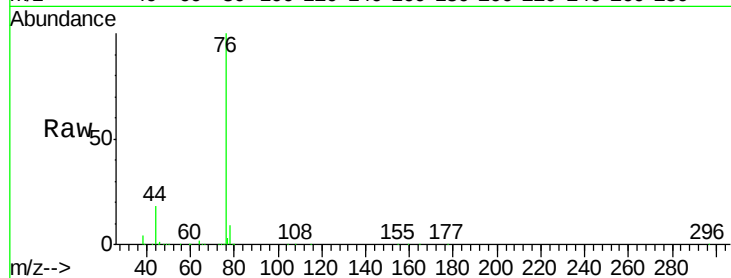
78 9.6 7.6 11.4

Manual Integrations

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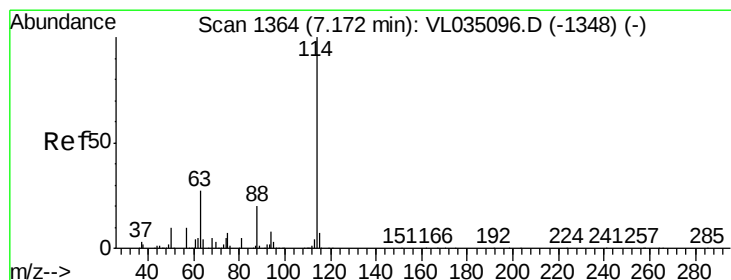
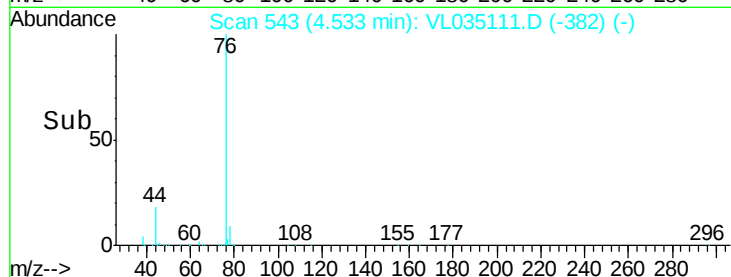
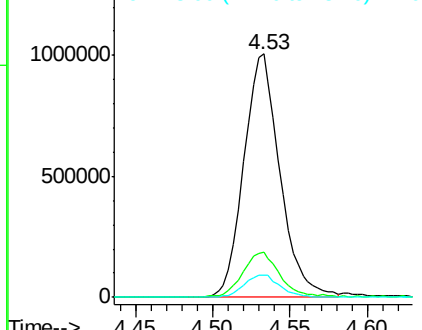
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL035111.D

Acq: 22 Jun 2020 14:56

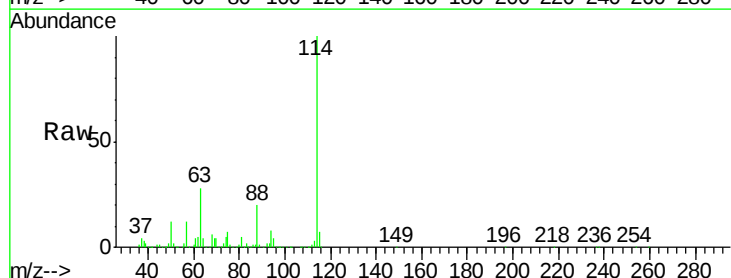
Tgt Ion: 114 Resp: 2964376

Ion Ratio Lower Upper

114 100

63 27.5 21.9 32.9

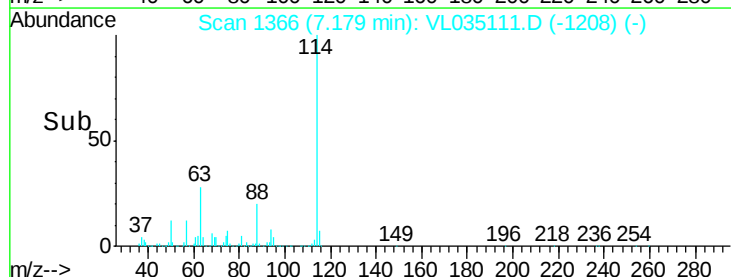
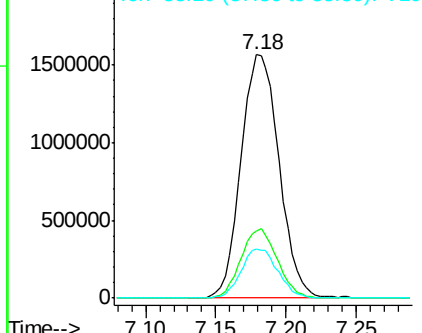
88 19.7 15.6 23.4

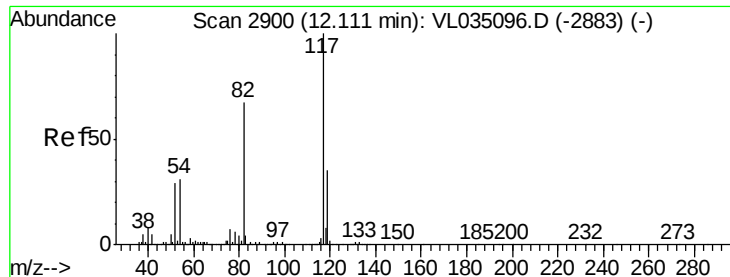


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





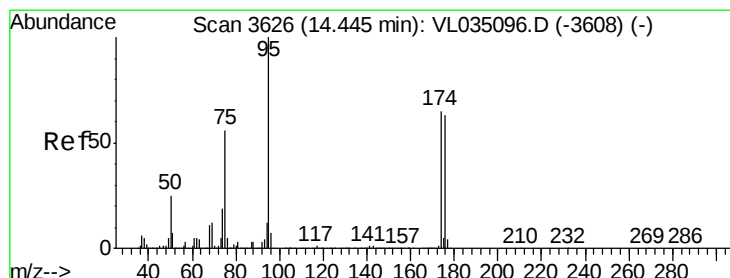
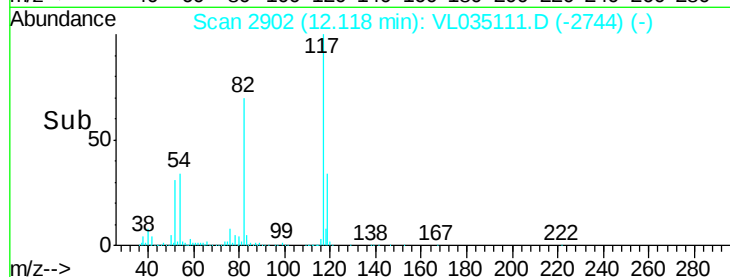
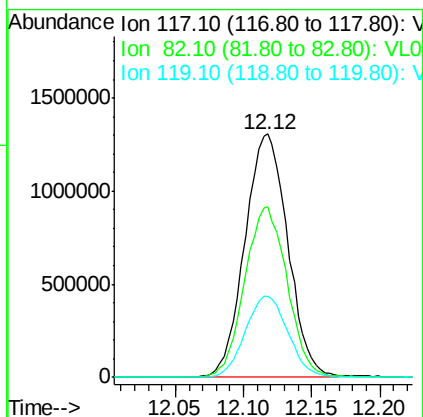
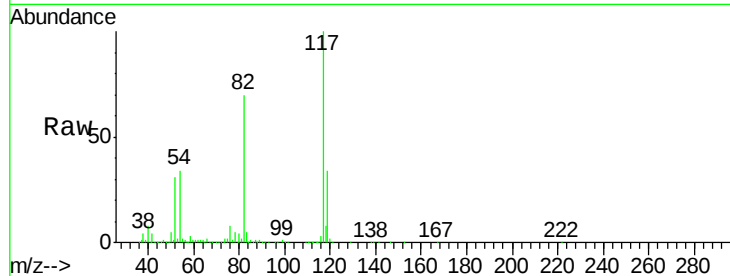
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035111.D
Acq: 22 Jun 2020 14:56

Instrument :
MSVOA_L
ClientSampleId :
CARBON-01DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	50.4	75.6
119	33.4	25.4	38.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.365 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.01 min
Lab File: VL035111.D
Acq: 22 Jun 2020 14:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.3	52.2	78.2
175	4.9	4.0	6.0

