

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036138.D
 Acq On : 10 Dec 2020 21:37
 Operator : SY/AP
 Sample : L4930-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-SG-2DL

Manual Integrations
 APPROVED

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 12/15/2020 4:51:21 PM

Quant Time: Dec 11 04:31:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1333104	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2640314	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2395852	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2074433	10.90	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	42588m	0.266	ppbv	
20) Methylene Chloride	4.34	84	19308m	0.294	ppbv	

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

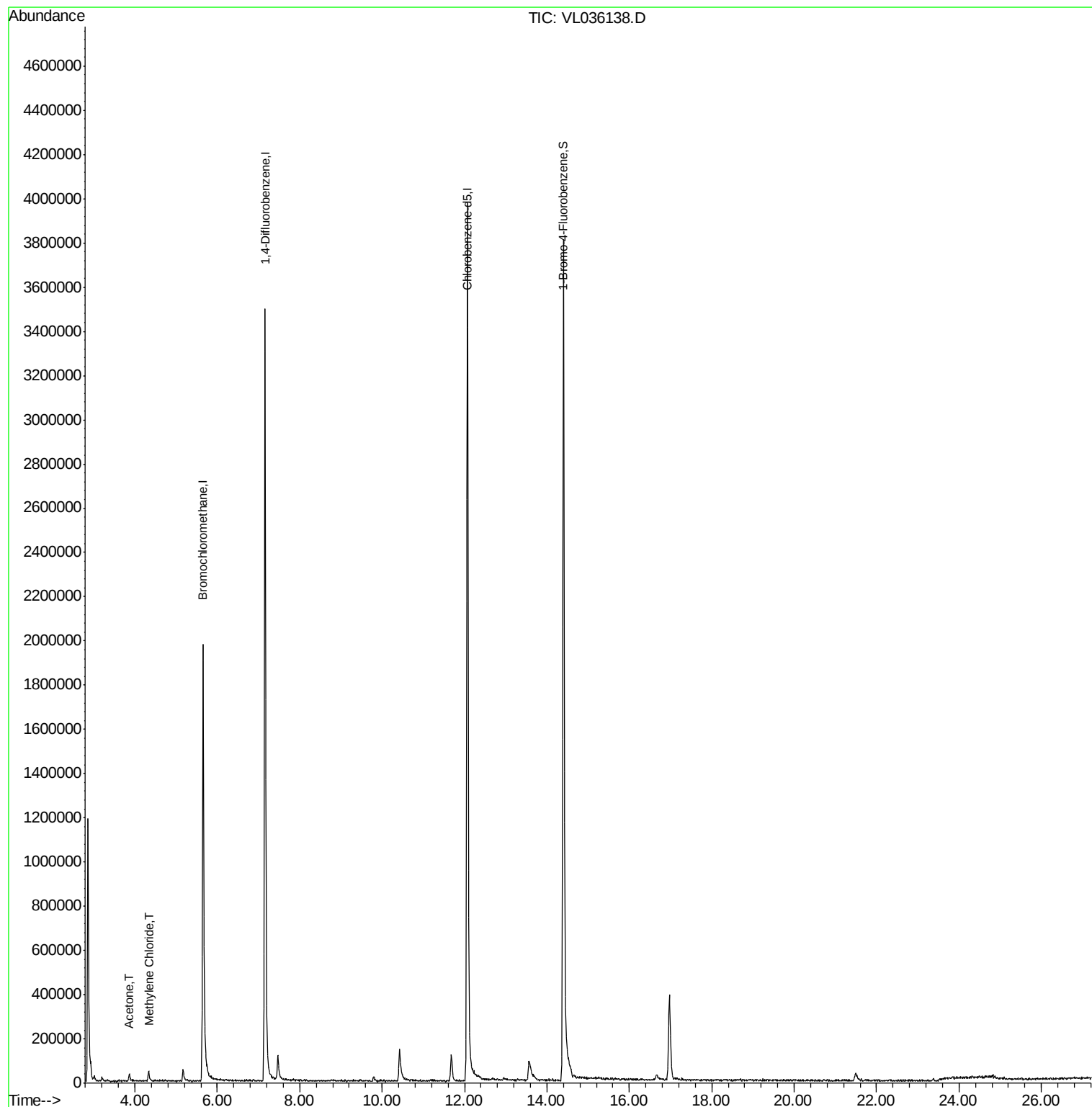
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
Data File : VL036138.D
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Misc : 400ml/MSVOA L
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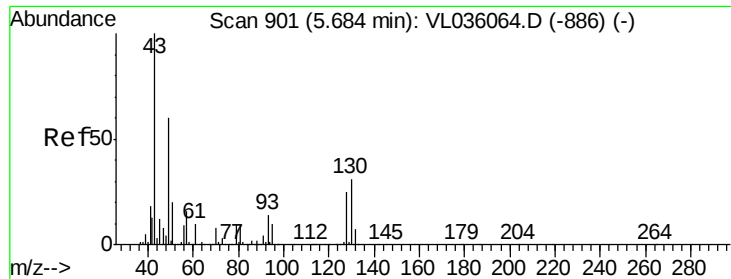
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-SG-2DL

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Quant Time: Dec 11 04:31:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-SG-2DL

Tot Ion: 49 Resp: 1333104

Ion Ratio Lower Upper

49 100

128 35.9 21.1 63.1

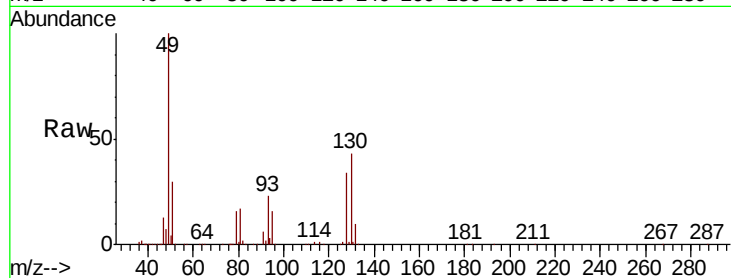
130 45.3 27.1 81.3

Manual Integrations

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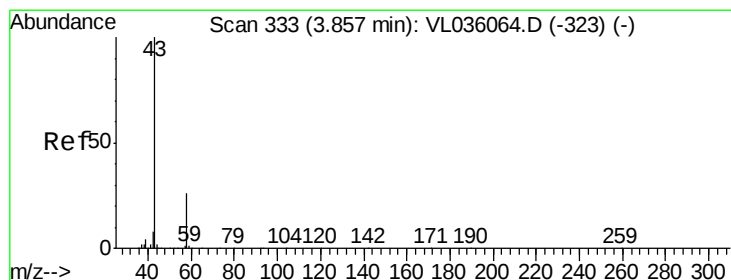
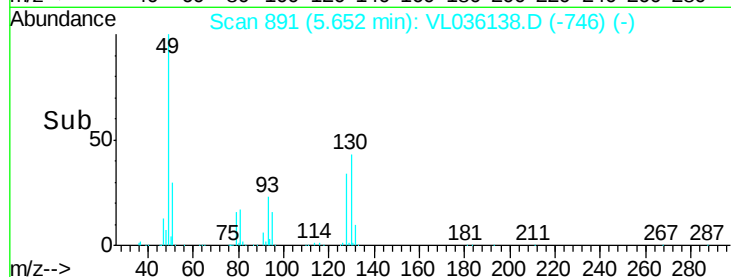
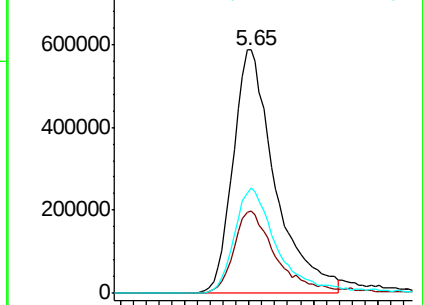
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.266 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036138.D

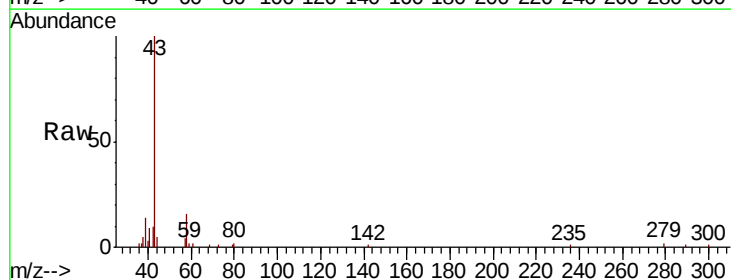
Acq: 10 Dec 2020 21:37

Tgt Ion: 43 Resp: 42588

Ion Ratio Lower Upper

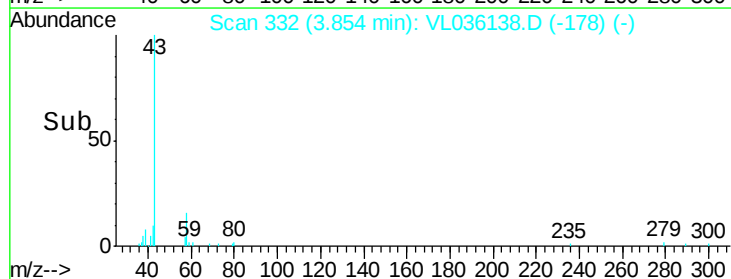
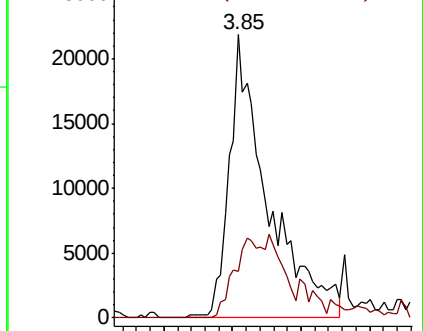
43 100

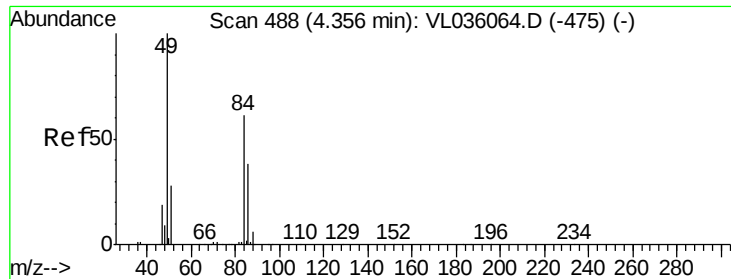
58 0.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





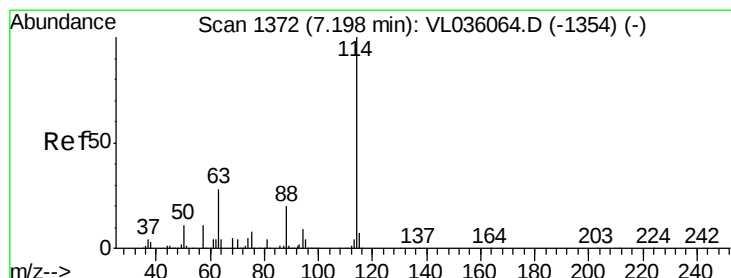
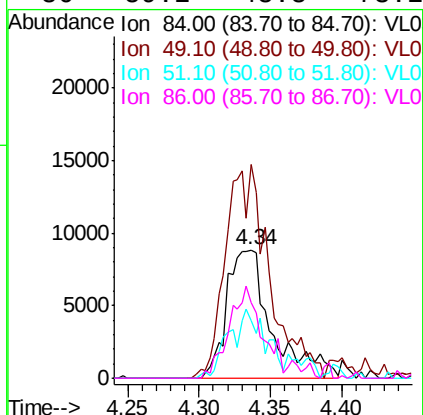
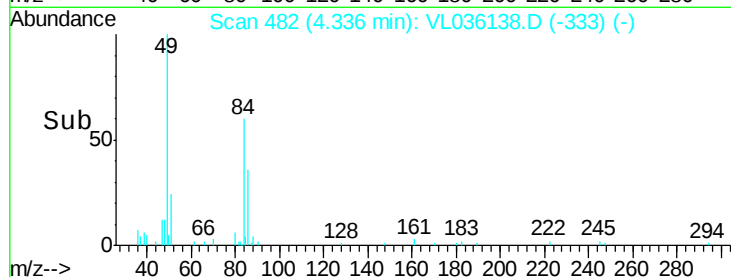
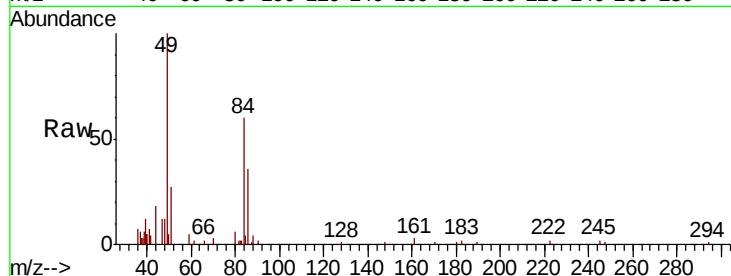
#20
Methvlene Chloride
Concen: 0.294 ppbv m
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Instrument :
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OFFSITE-SG-2DL

Tot Ion:	84	Resp:	19308
Ion	Ratio	Lower	Upper
84	100		
49	166.4	133.0	199.4
51	44.6	38.9	58.3
86	59.2	48.8	73.2

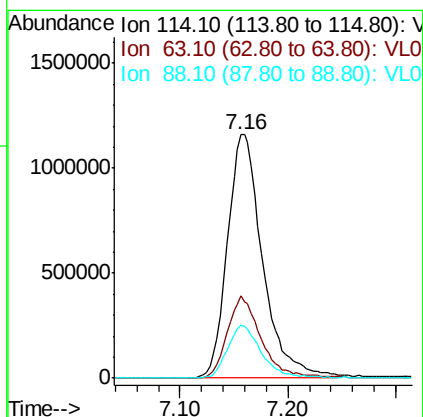
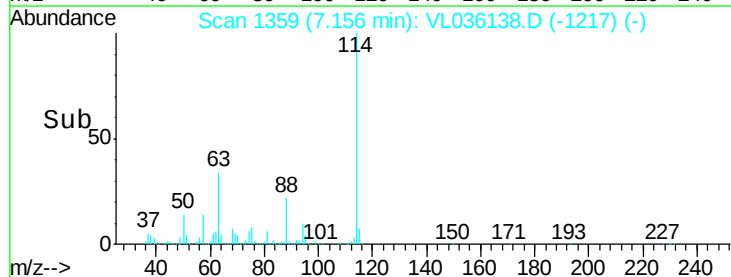
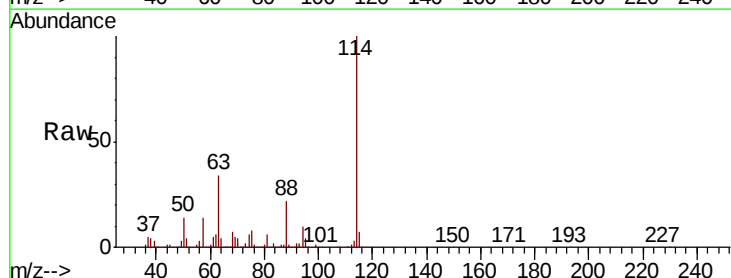
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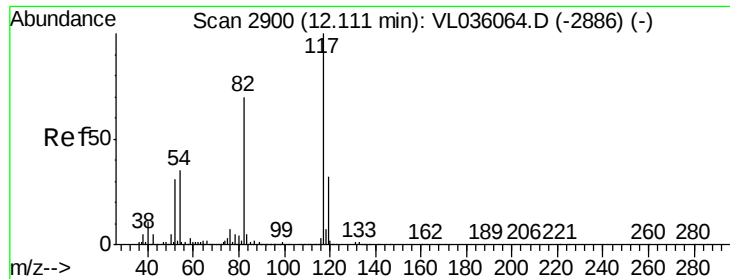
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion:	114	Resp:	2640314
Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	21.1	15.8	23.6





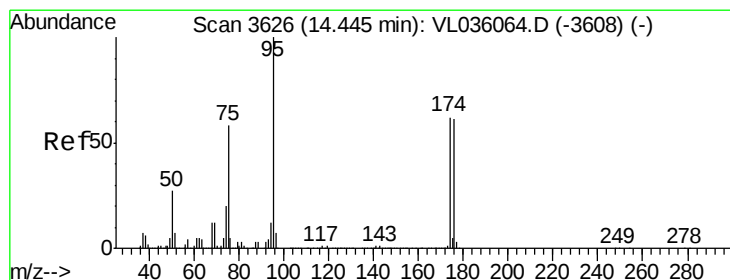
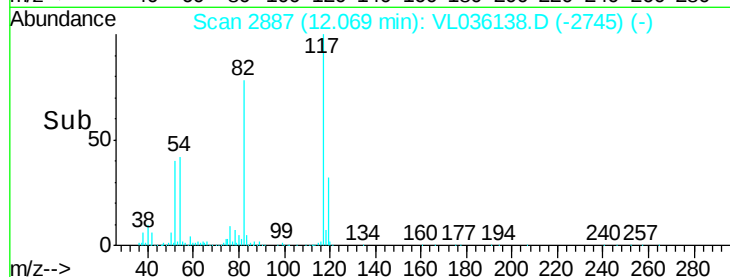
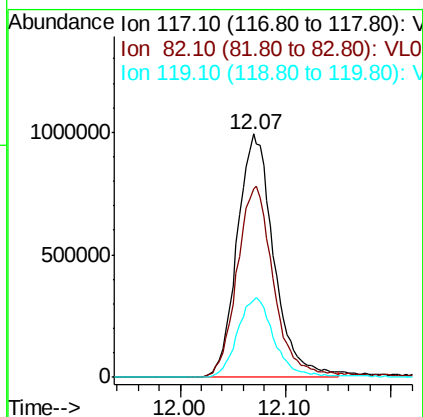
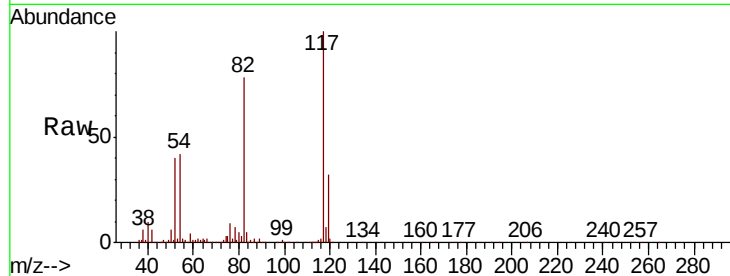
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

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Tot Ion	Ratio	Lower	Upper
117	100		
82	80.7	0.0	0.0#
119	33.4	0.0	0.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.904 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	55.0	50.7	76.1
175	3.8	4.0	6.0#

