

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037751.D
 Acq On : 1 Oct 2021 21:13
 Operator : SY/AP
 Sample : M4012-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P09DL

Manual Integrations
 APPROVED

apatel
 10/14/2021 6:07:32 AM

Quant Time: Oct 02 19:52:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1398282	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4078852	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3388834	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2395772	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.84	43	169351	1.166	ppbv	# 77
20) Methylene Chloride	4.34	84	37621	0.542	ppbv	91
52) Tetrachloroethene	11.20	164	442650	3.390	ppbv	96

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

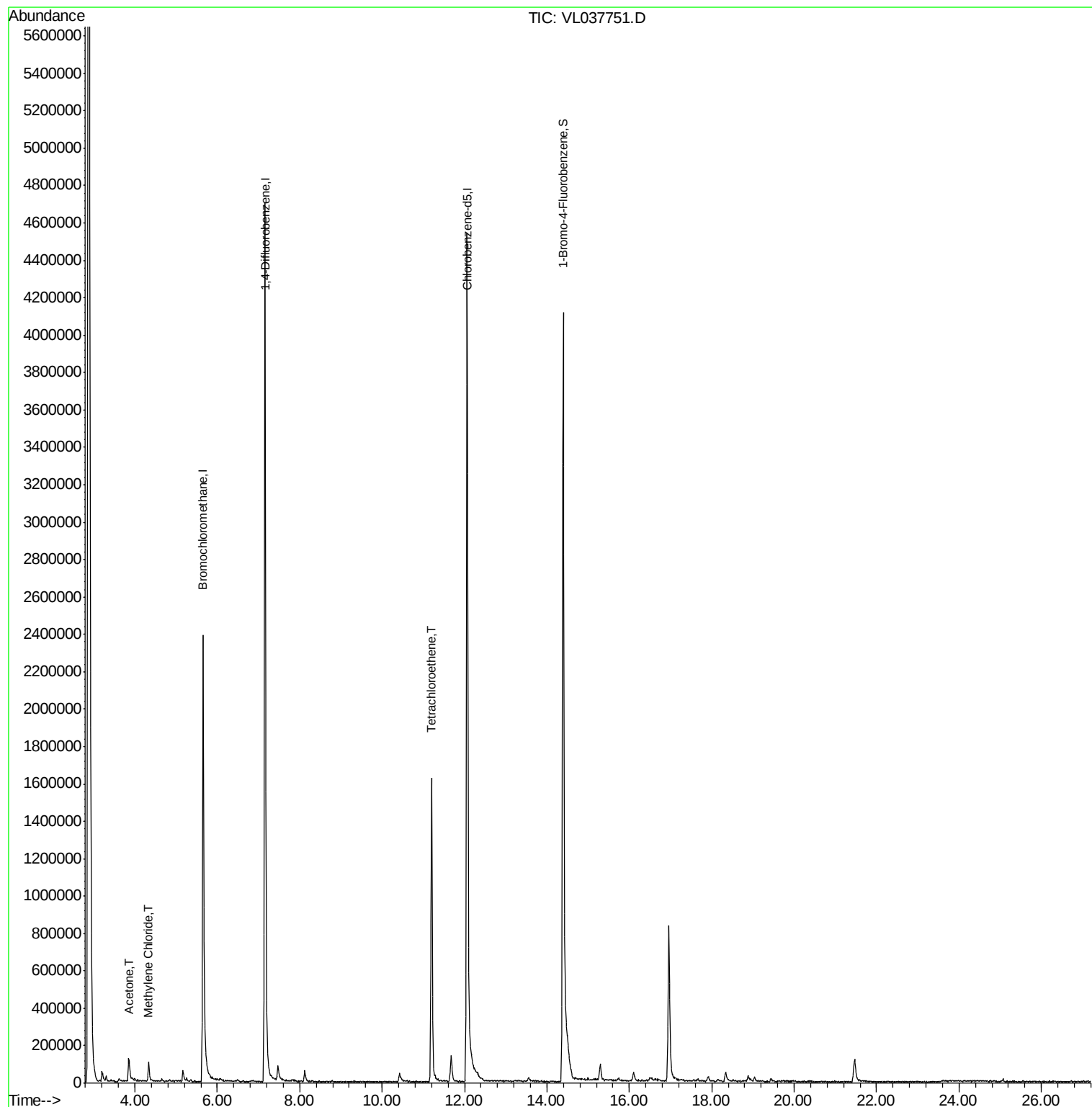
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100121\
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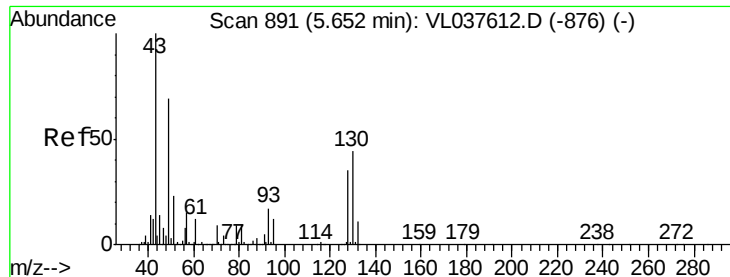
Instrument :
MSVOA_L
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Quant Time: Oct 02 19:52:15 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037751.D

Acq: 1 Oct 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

C0P09DL

Tot Ion: 49 Resp: 1398282

Ion Ratio Lower Upper

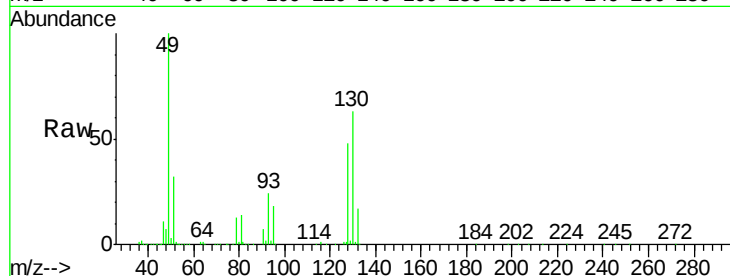
49 100

128 54.0 27.9 83.6

130 69.6 33.9 101.7

Manual Integrations
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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

800000

600000

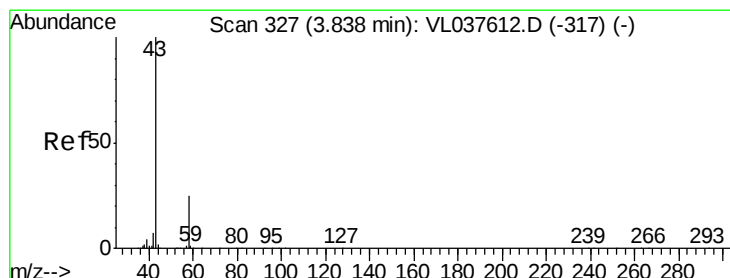
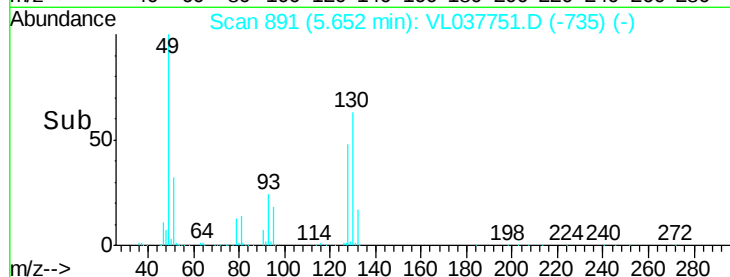
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#15

Acetone

Concen: 1.166 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037751.D

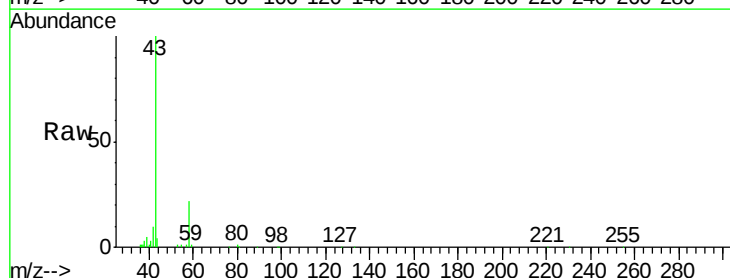
Acq: 1 Oct 2021 21:13

Tgt Ion: 43 Resp: 169351

Ion Ratio Lower Upper

43 100

58 44.0 24.9 37.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

80000

60000

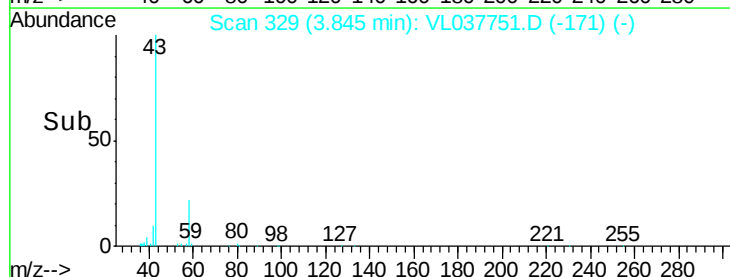
40000

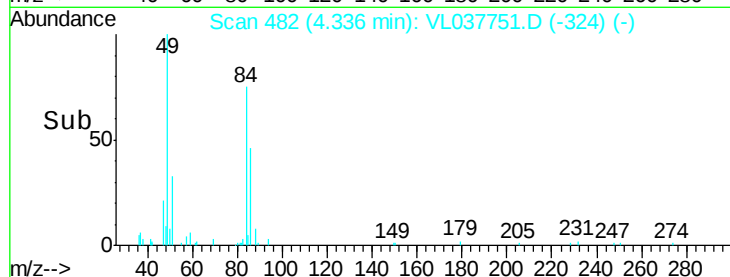
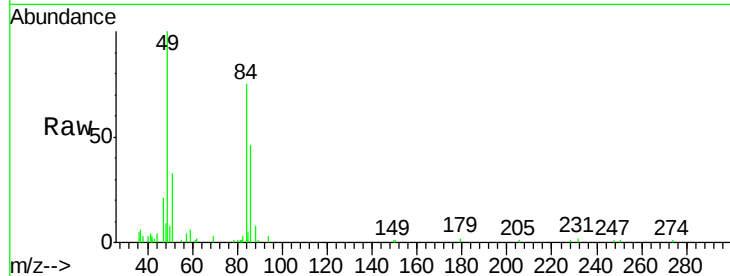
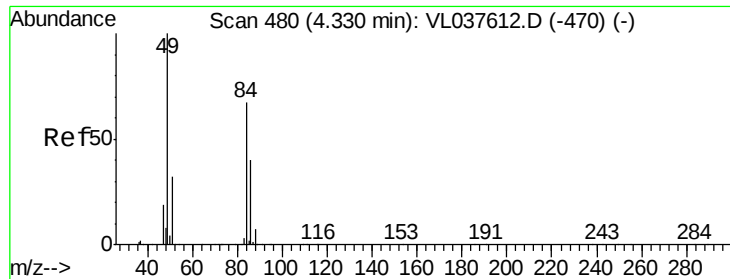
20000

0

3.80 3.85 3.90

Time-->





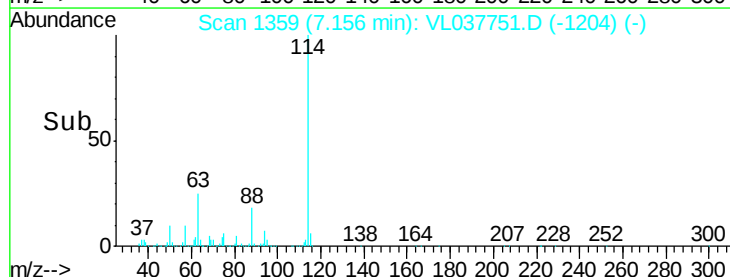
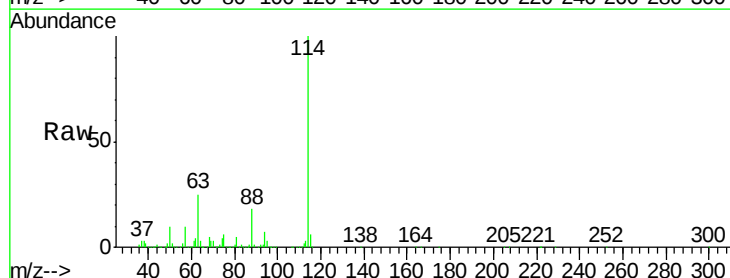
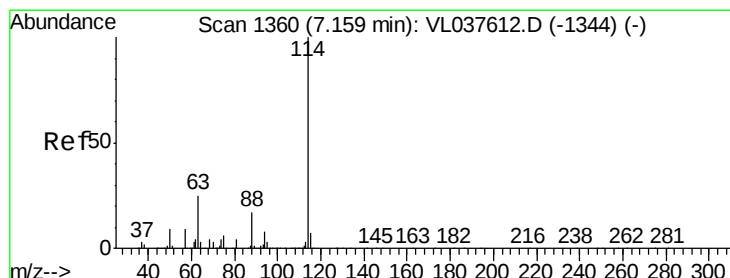
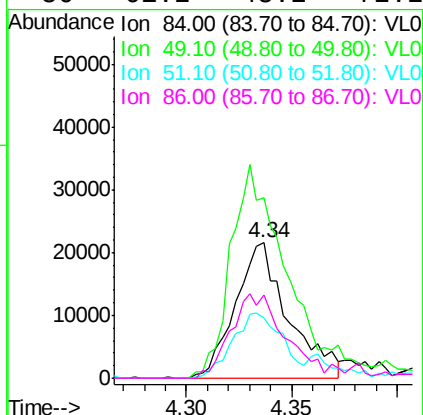
#20
Methylene Chloride
Concen: 0.542 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037751.D
Acq: 1 Oct 2021 21:13

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	133.4	120.0	180.0	
51	42.4	38.0	57.0	
86	61.2	48.2	72.2	

Instrument :
MSVOA_L
ClientSampled :
C0P09DL

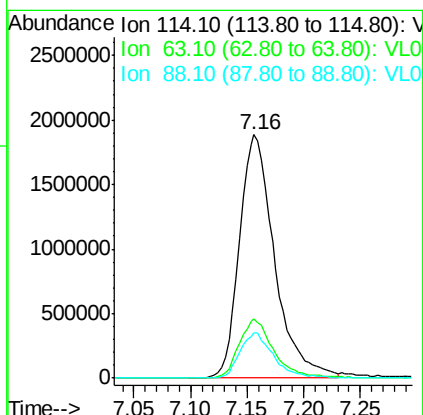
Manual Integrations
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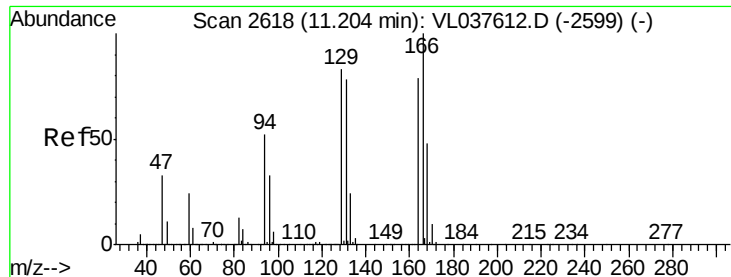
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037751.D
Acq: 1 Oct 2021 21:13

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	24.5	19.6	29.4	
88	18.1	14.2	21.4	





#52

Tetrachloroethene

Concen: 3.390 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL037751.D

Acq: 1 Oct 2021 21:13

Instrument :

MSVOA_L

ClientSampleId :

C0P09DL

Tot Ion:164 Resp: 442650

Ion Ratio Lower Upper

164 100

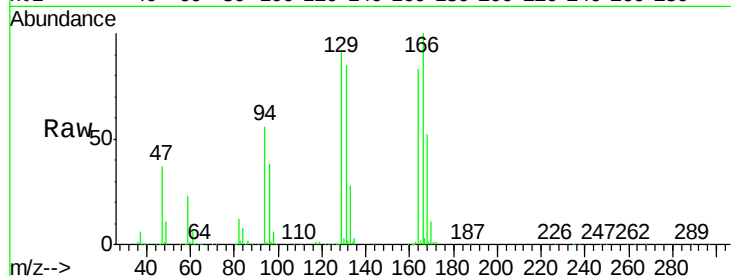
166 120.6 101.2 151.8

129 109.2 84.0 126.0

131 102.5 78.8 118.2

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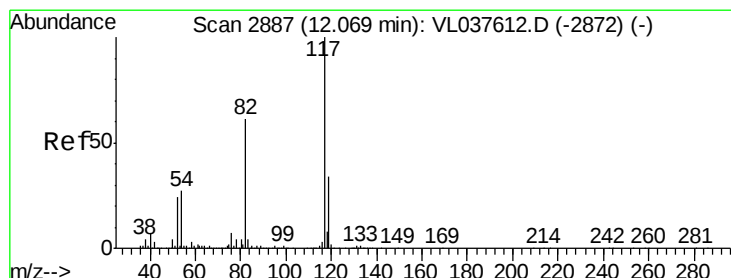
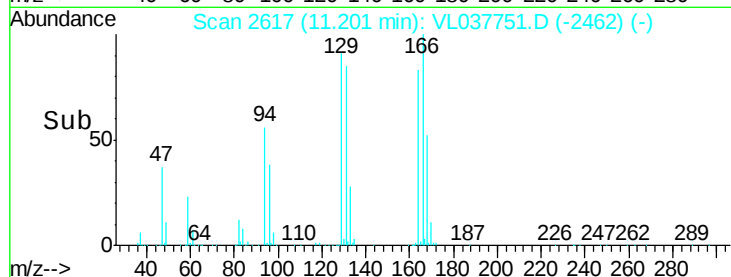
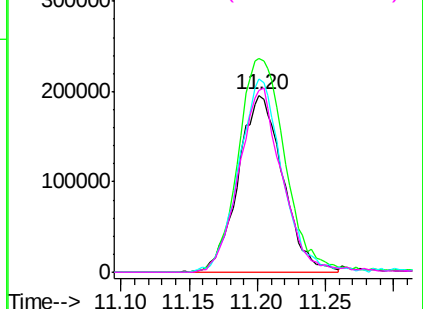


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037751.D

Acq: 1 Oct 2021 21:13

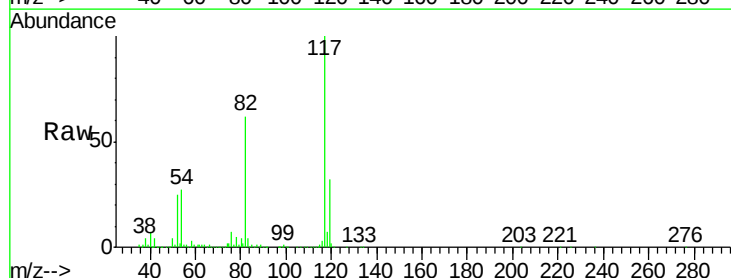
Tgt Ion:117 Resp: 3388834

Ion Ratio Lower Upper

117 100

82 67.8 50.6 75.8

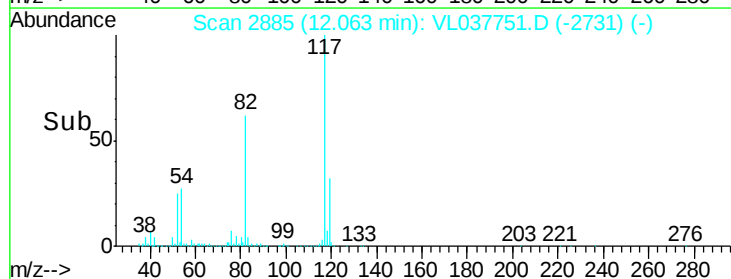
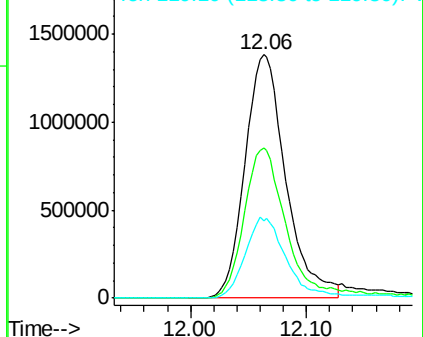
119 36.0 26.2 39.2

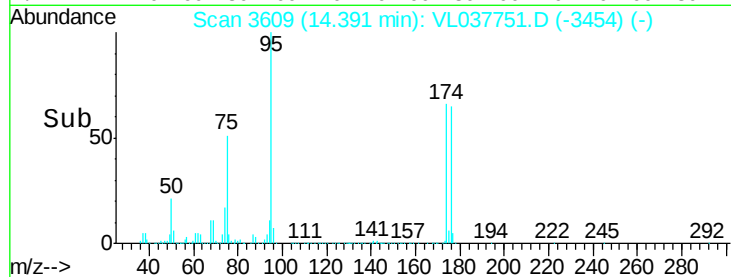
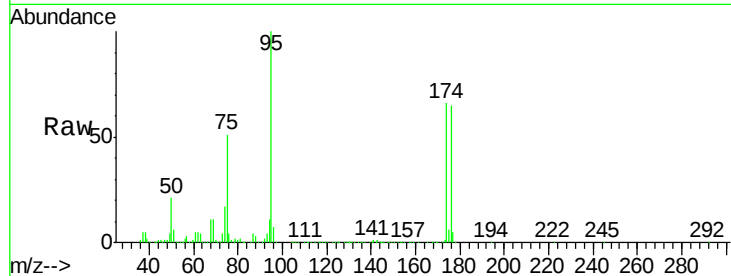
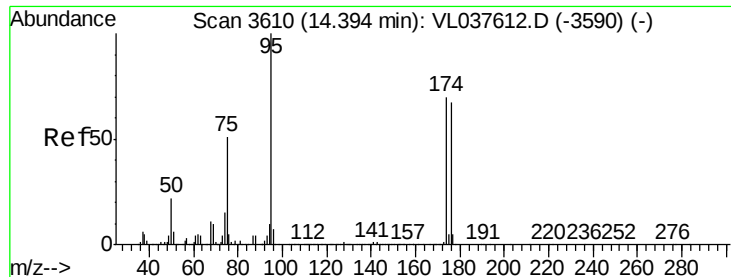


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.782 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037751.D

Acq: 1 Oct 2021 21:13

Tot Ion: 95 Resp: 2395772

Ion Ratio Lower Upper

95 100

174 75.6 56.3 84.5

175 5.7 4.4 6.6

Instrument :

MSVOA_L

ClientSampleId :

C0P09DL

Manual Integrations

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