

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036164.D
 Acq On : 16 Dec 2020 12:35
 Operator : SY/AP
 Sample : VL1216ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:39:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 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	5.64	49	1378781	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2798244	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2545519	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2240896	11.09	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.90%

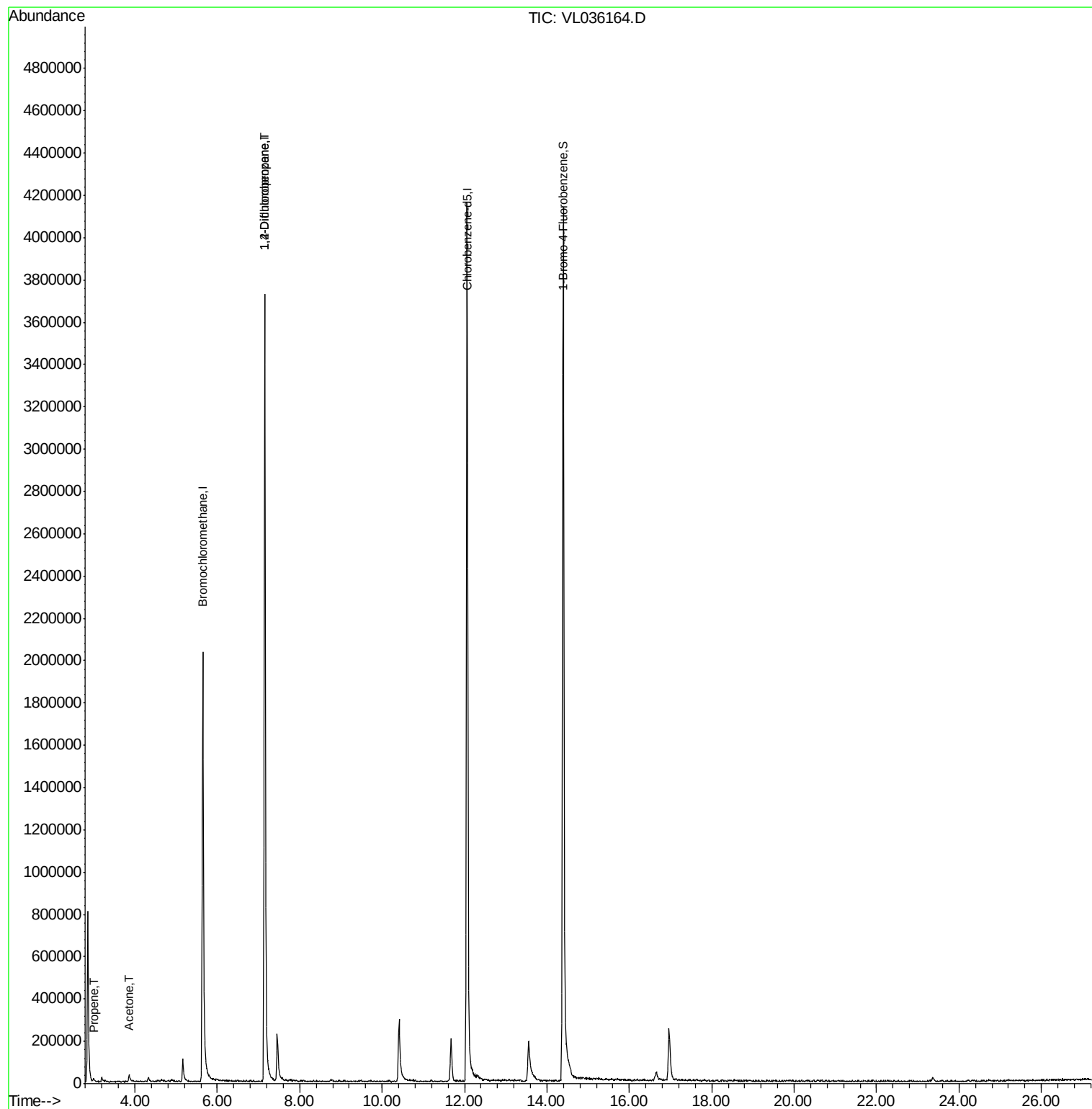
Target Compounds					Ovalue
9) Propene	3.00	41	3118	0.040 ppbv #	77
15) Acetone	3.85	43	21249	0.128 ppbv #	1
39) 1,2-Dichloropropane	7.15	63	894852	9.555 ppbv #	25

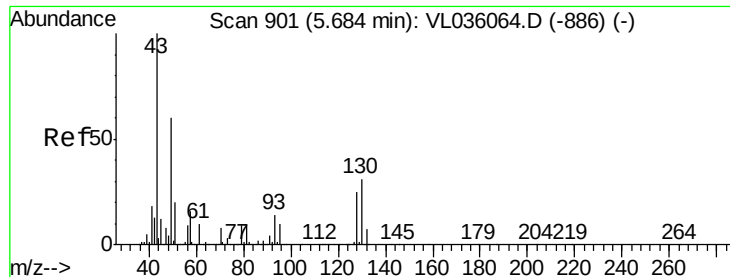
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

Lab File: VL036164.D

Acq: 16 Dec 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :

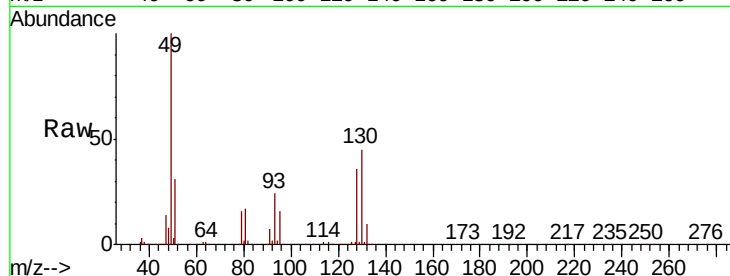
Tot Ion: 49 Resp: 1378781

Ion Ratio Lower Upper

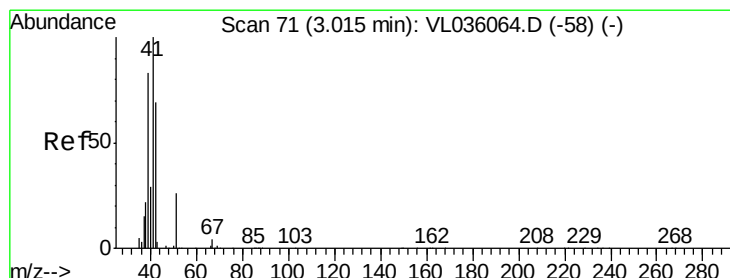
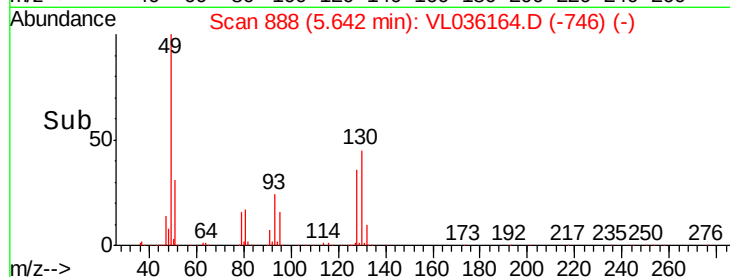
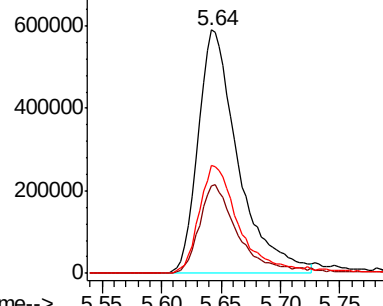
49 100

128 36.7 21.1 63.1

130 46.0 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0
800000
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.040 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036164.D

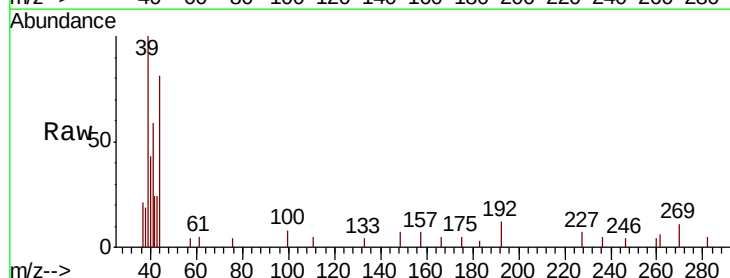
Acq: 16 Dec 2020 12:35

Tgt Ion: 41 Resp: 3118

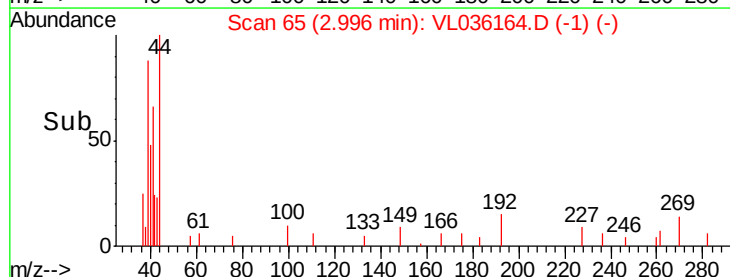
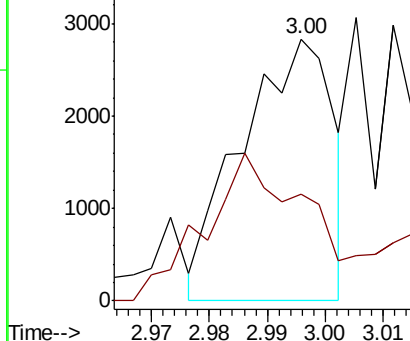
Ion Ratio Lower Upper

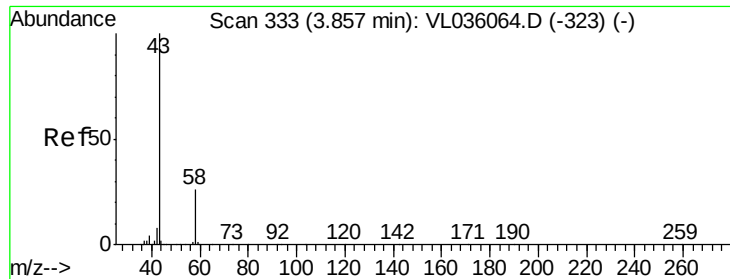
41 100

42 90.1 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
3000
Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.128 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036164.D

Acq: 16 Dec 2020 12:35

Instrument :

MSVOA_L

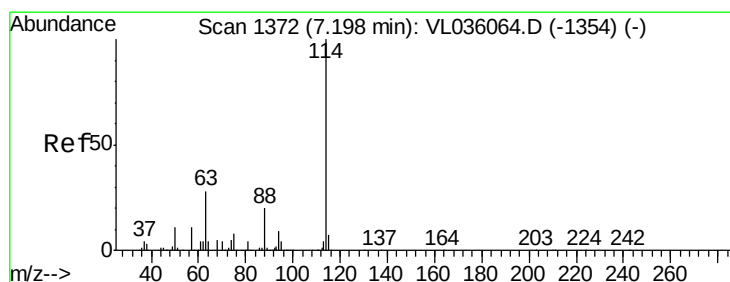
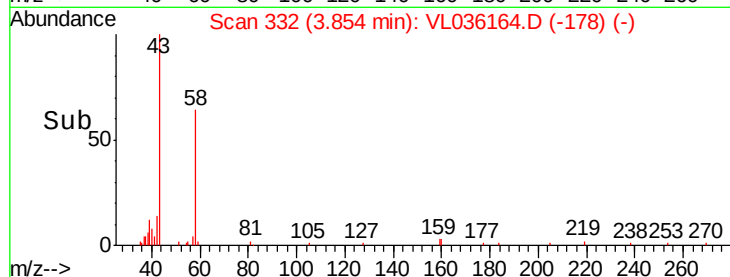
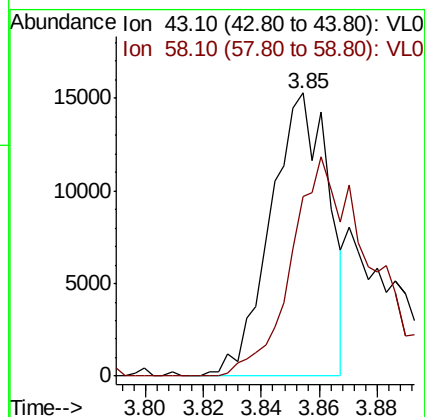
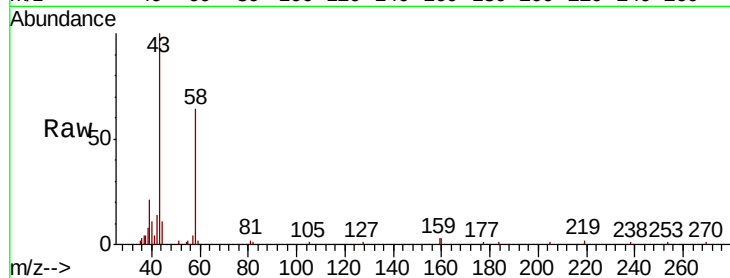
ClientSampleId :

Tot Ion: 43 Resp: 21249

Ion Ratio Lower Upper

43 100

58 132.8 20.9 31.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.05 min

Lab File: VL036164.D

Acq: 16 Dec 2020 12:35

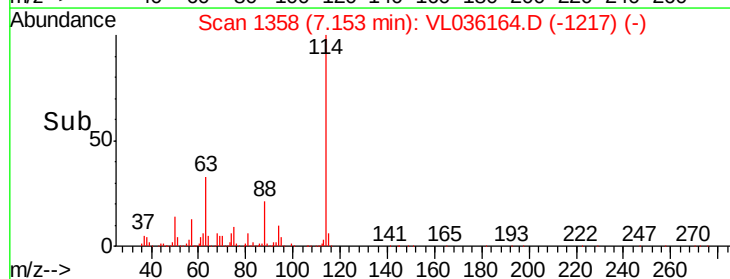
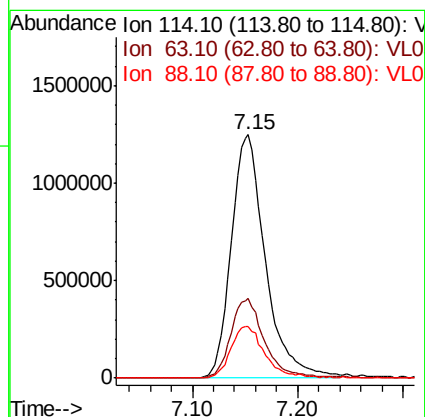
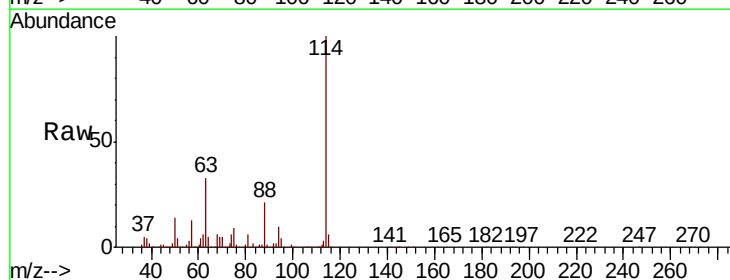
Tgt Ion: 114 Resp: 2798244

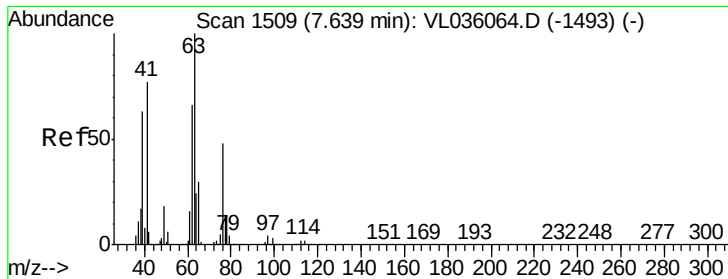
Ion Ratio Lower Upper

114 100

63 32.5 23.6 35.4

88 21.5 15.8 23.6





#39

1,2-Dichloropropane

Concen: 9.555 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.49 min

Lab File: VL036164.D

Acq: 16 Dec 2020 12:35

Instrument :

MSVOA_L

ClientSampleId :

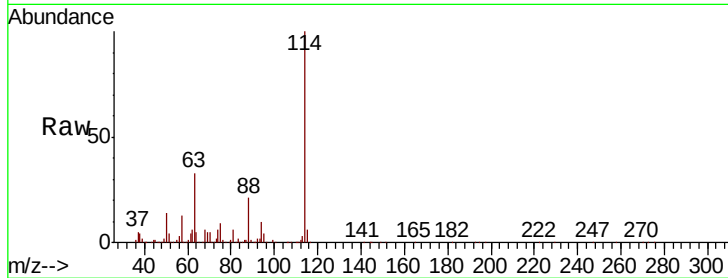
Tot Ion: 63 Resp: 894852

Ion Ratio Lower Upper

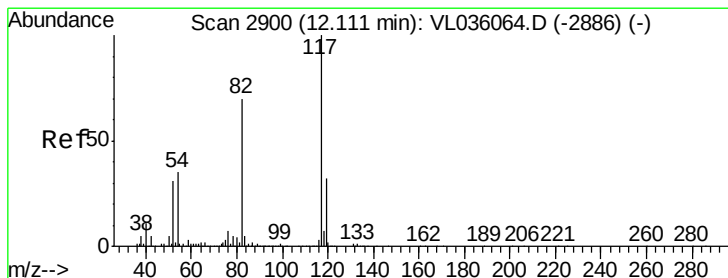
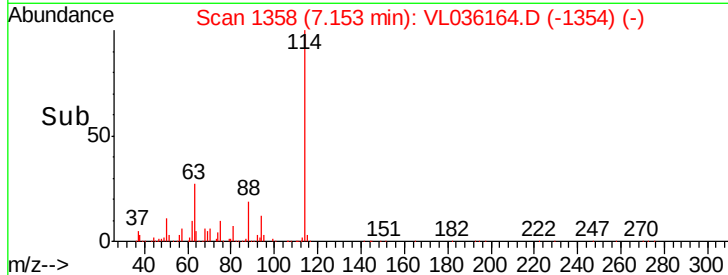
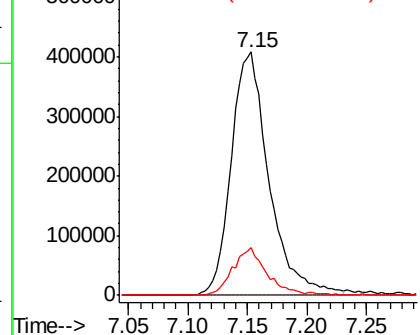
63 100

41 0.1 61.9 92.9#

62 19.4 52.5 78.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.05 min

Lab File: VL036164.D

Acq: 16 Dec 2020 12:35

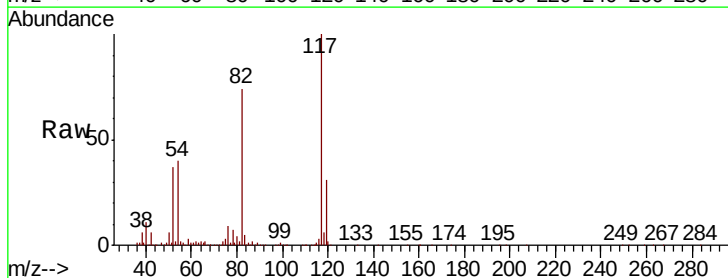
Tgt Ion: 117 Resp: 2545519

Ion Ratio Lower Upper

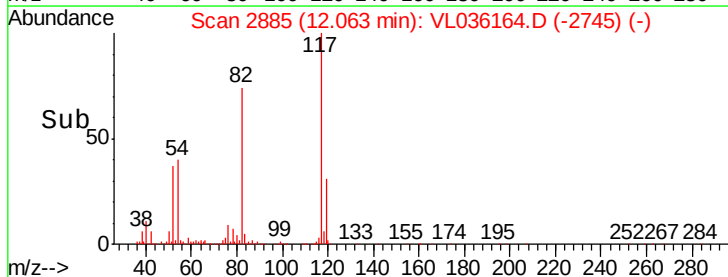
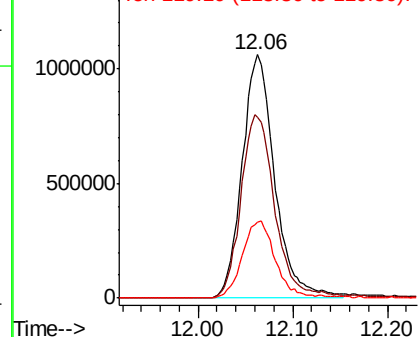
117 100

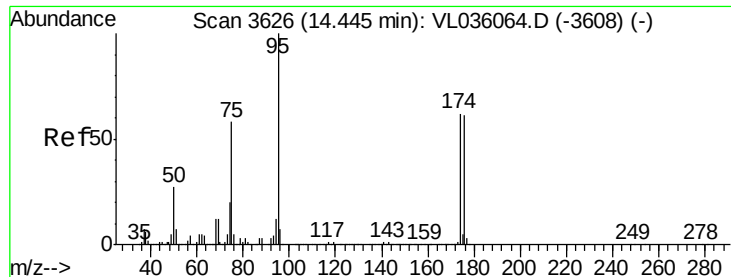
82 79.7 0.0 0.0#

119 32.6 0.0 0.0#



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.087 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.05 min

Lab File: VL036164.D

Acq: 16 Dec 2020 12:35

Instrument :

MSVOA_L

ClientSampleId :

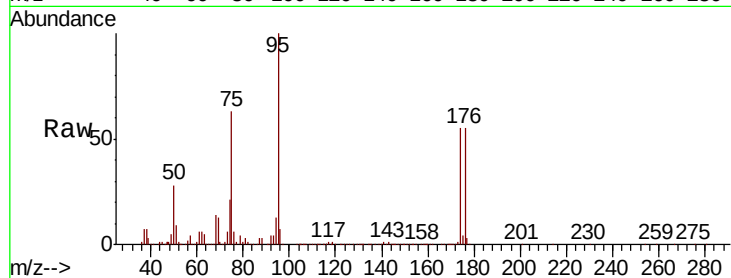
Tot Ion: 95 Resp: 2240896

Ion Ratio Lower Upper

95 100

174 56.8 50.7 76.1

175 4.0 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

