

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036207.D
 Acq On : 24 Dec 2020 00:51
 Operator : SY/AP
 Sample : OC122220 CAN 10601
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC122220 CAN 10601

Quant Time: Dec 24 05:28:04 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	5.65	49	1373390	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2513170	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2267067	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1971121	10.95	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.50%

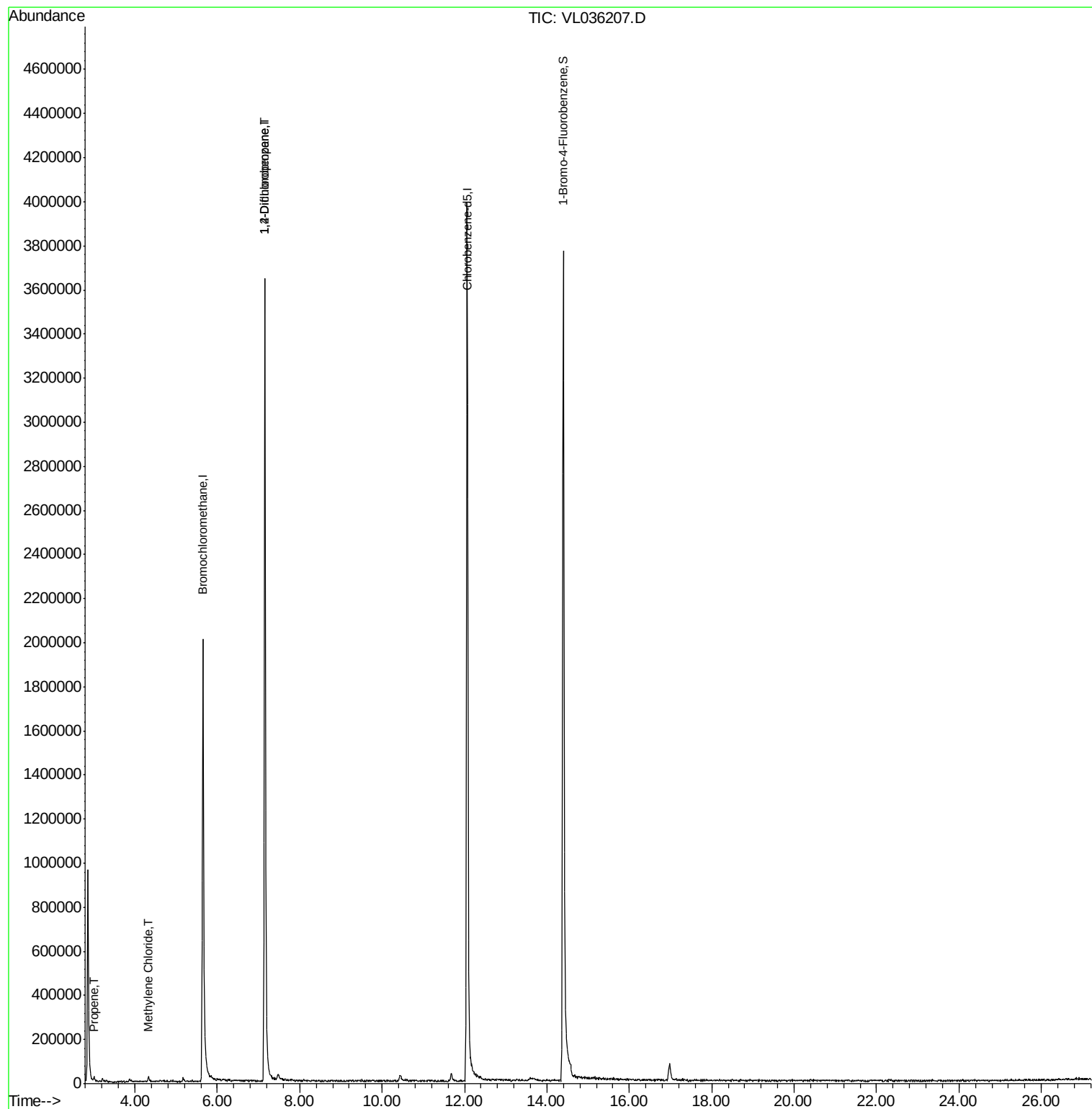
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	5353	0.068	ppbv	98
20) Methylene Chloride	4.32	84	3121	0.046	ppbv #	77
39) 1,2-Dichloropropane	7.15	63	869374	10.336	ppbv #	25

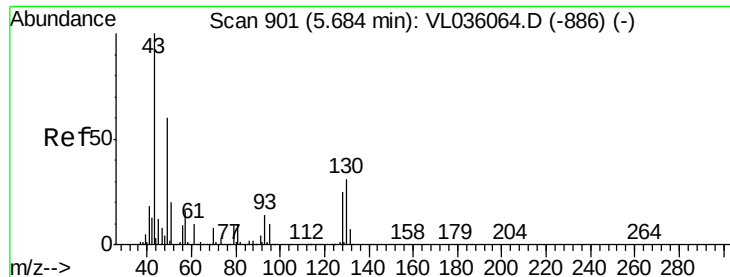
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

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Instrument :

MSVOA_L

ClientSampleId :

QC122220 CAN 10601

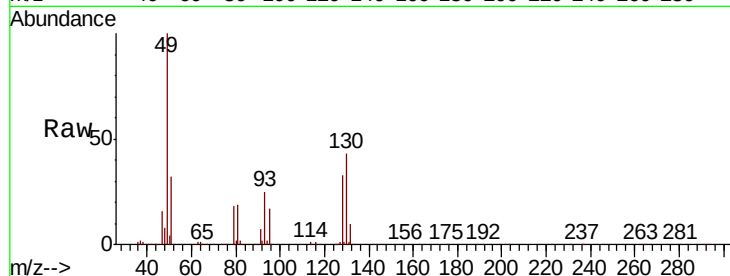
Tot Ion: 49 Resp: 1373390

Ion Ratio Lower Upper

49 100

128 35.1 21.1 63.1

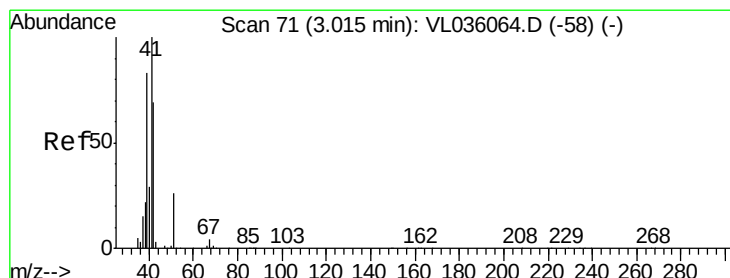
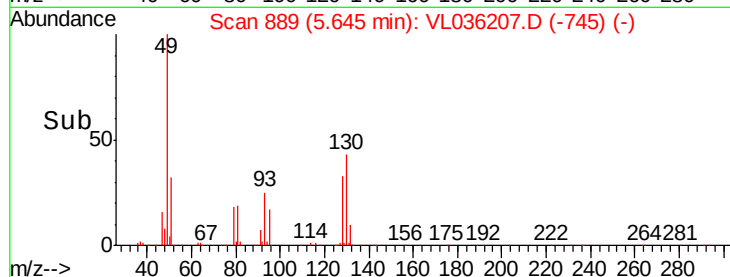
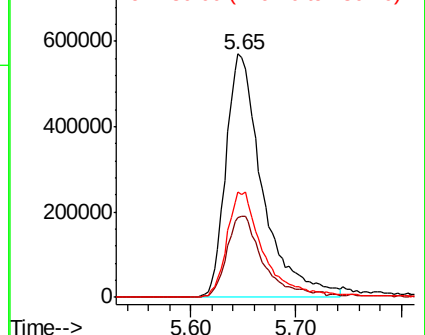
130 43.7 27.1 81.3



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



#9

Propene

Concen: 0.068 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL036207.D

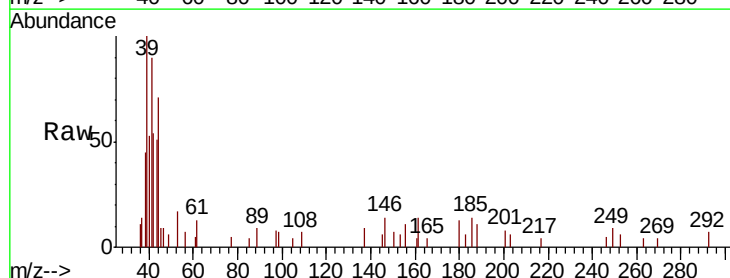
Acq: 24 Dec 2020 00:51

Tgt Ion: 41 Resp: 5353

Ion Ratio Lower Upper

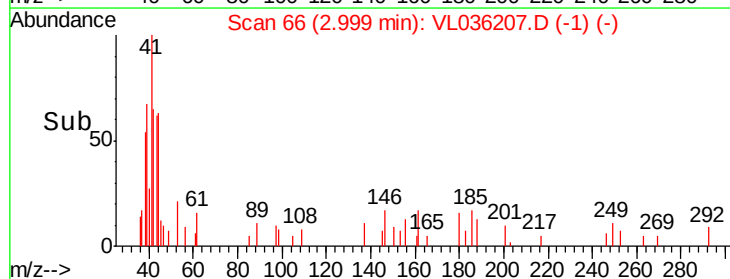
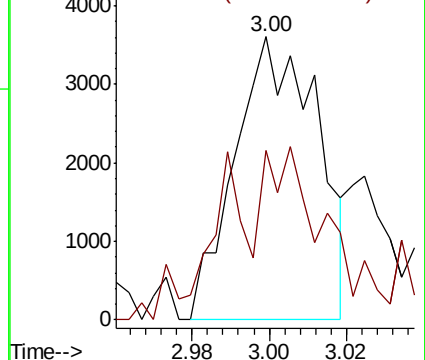
41 100

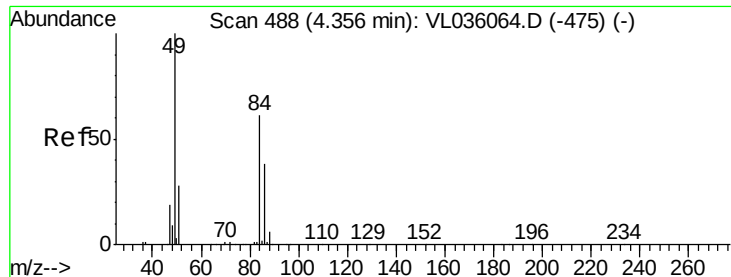
42 72.9 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

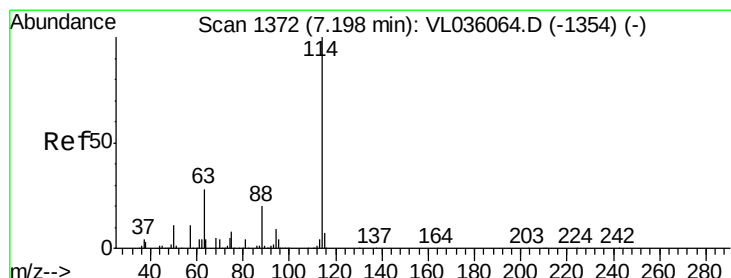
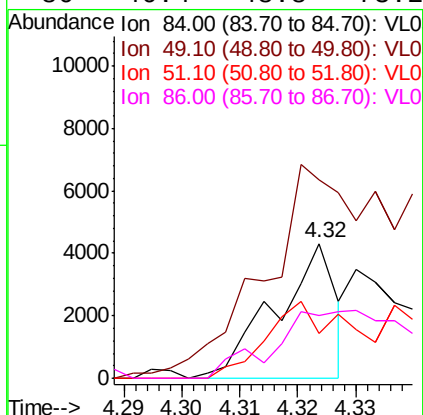
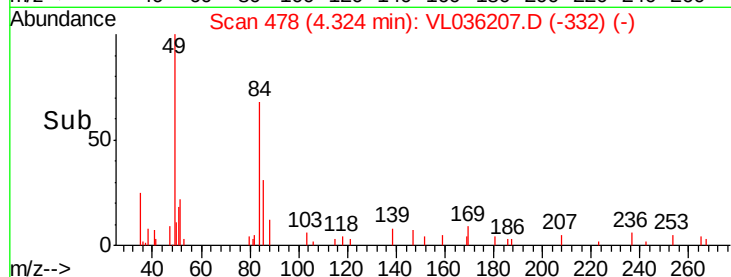
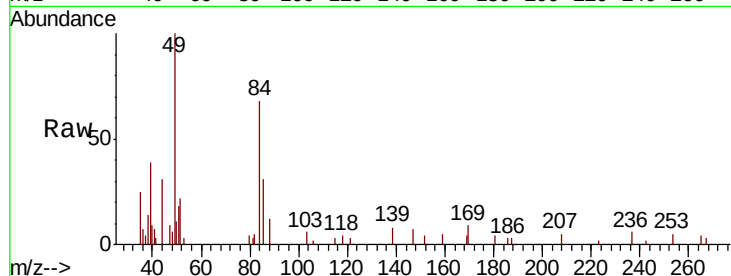




#20
Methylene Chloride
Concen: 0.046 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.03 min
Lab File: VL036207.D
Acq: 24 Dec 2020 00:51

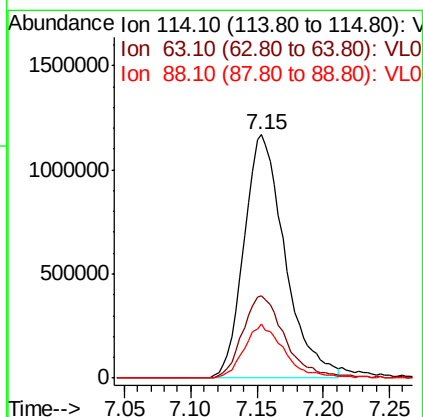
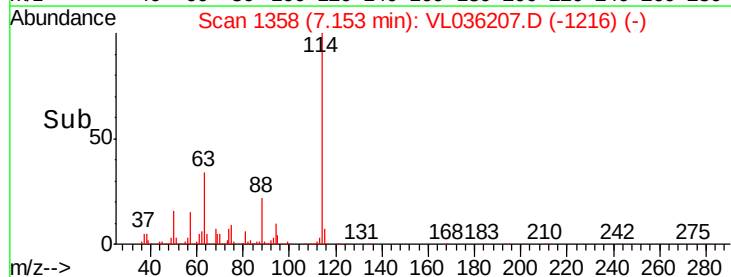
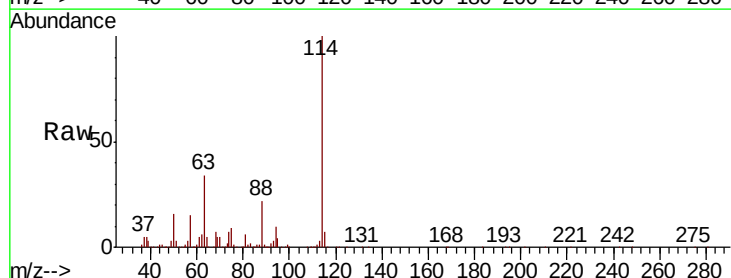
Instrument :
MSVOA_L
ClientSampleId :
QC122220 CAN 10601

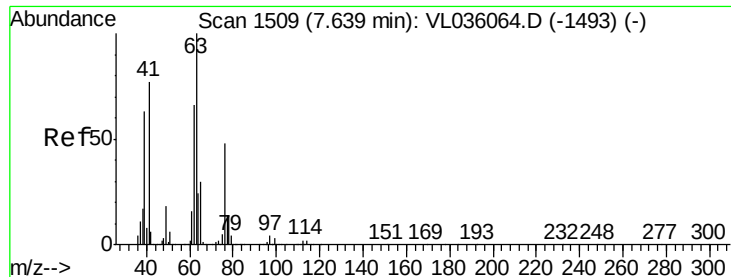
Tot Ion: 84 Resp: 3121
Ion Ratio Lower Upper
84 100
49 132.8 133.0 199.4#
51 33.0 38.9 58.3#
86 46.4 48.8 73.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.05 min
Lab File: VL036207.D
Acq: 24 Dec 2020 00:51

Tgt Ion: 114 Resp: 2513170
Ion Ratio Lower Upper
114 100
63 35.6 23.6 35.4#
88 22.0 15.8 23.6





#39

1,2-Dichloropropane

Concen: 10.336 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.49 min

Lab File: VL036207.D

Acq: 24 Dec 2020 00:51

Instrument :

MSVOA_L

ClientSampleId :

QC122220 CAN 10601

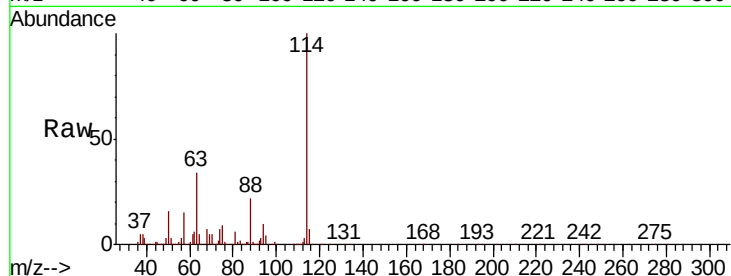
Tot Ion: 63 Resp: 869374

Ion Ratio Lower Upper

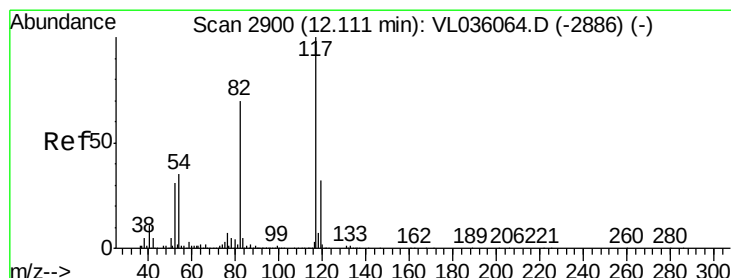
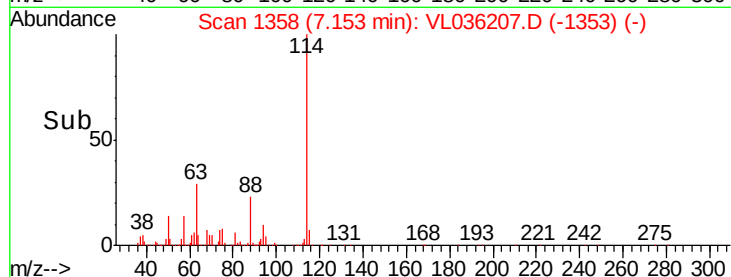
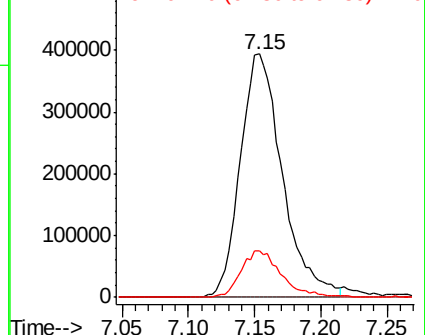
63 100

41 0.0 61.9 92.9#

62 19.0 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: VL036207.D

Acq: 24 Dec 2020 00:51

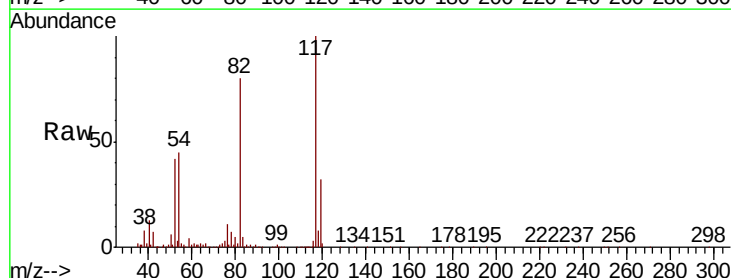
Tgt Ion: 117 Resp: 2267067

Ion Ratio Lower Upper

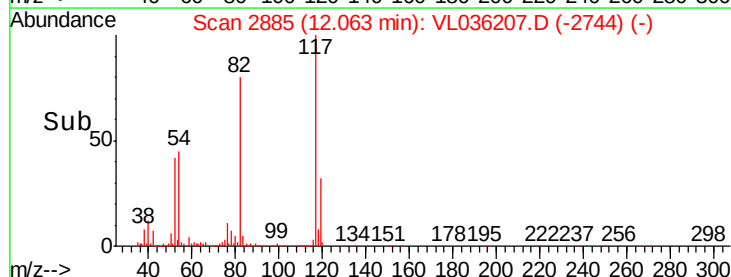
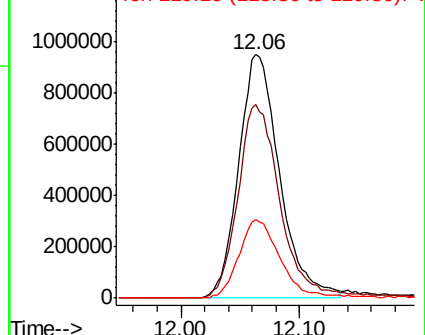
117 100

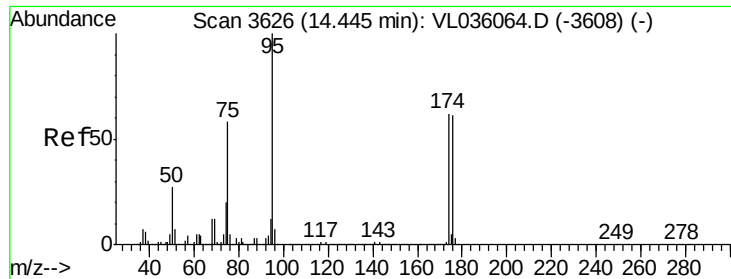
82 83.3 0.0 0.0#

119 33.0 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: 10.950 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.05 min

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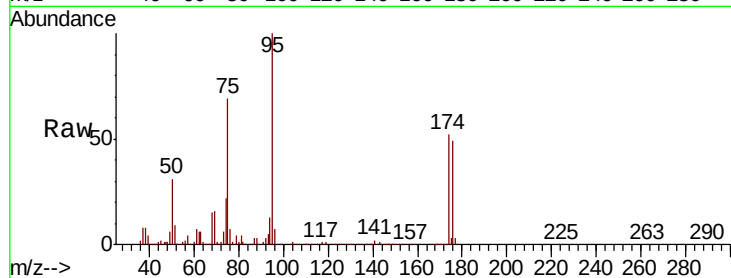
Tot Ion: 95 Resp: 1971121

Ion Ratio Lower Upper

95 100

174 55.6 50.7 76.1

175 4.1 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

