

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081820\
 Data File : VL035459.D
 Acq On : 19 Aug 2020 2:18
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 04:29:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1099456	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5119489	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5051233	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3659380	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

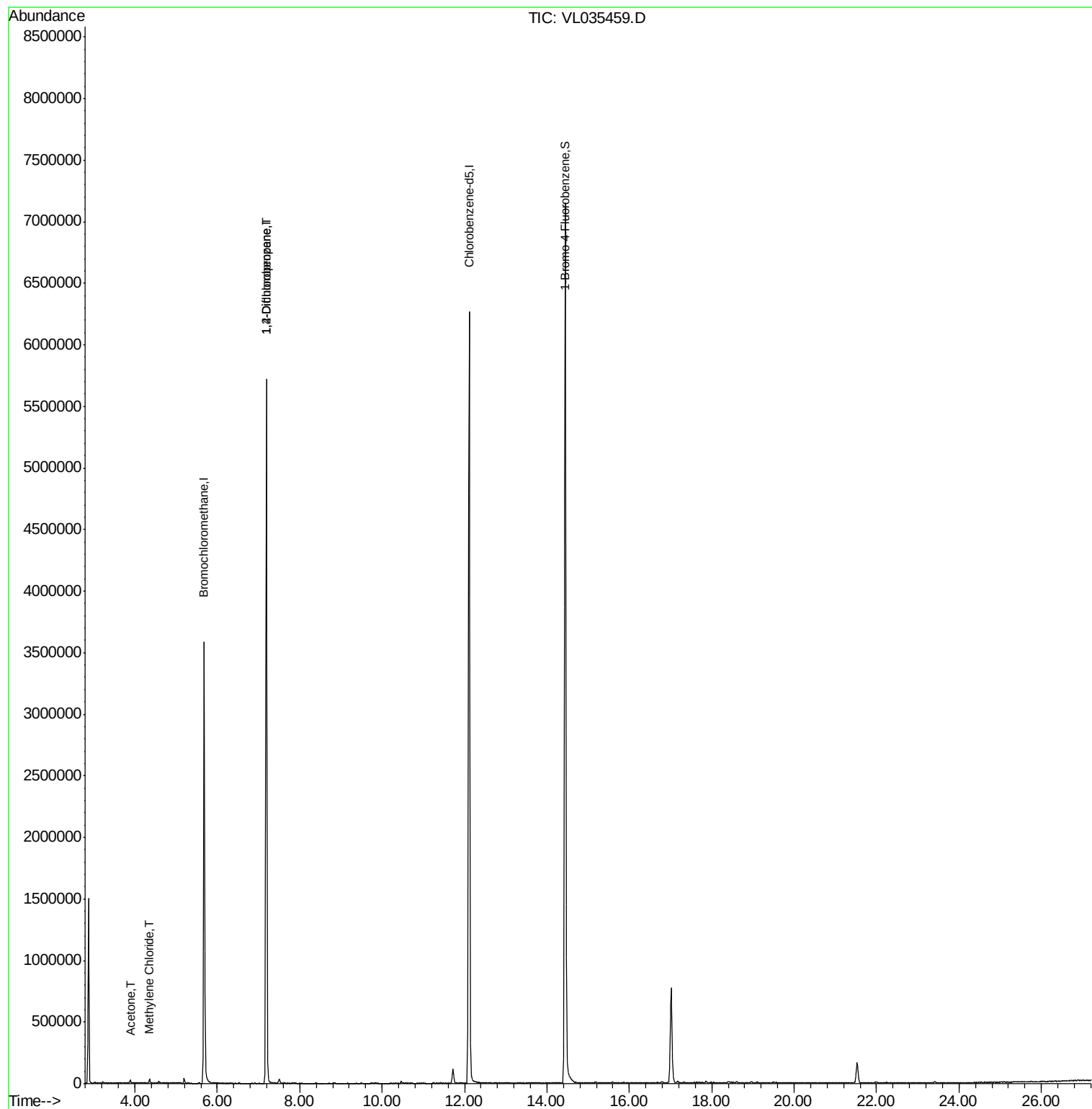
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.88	43	17744	0.140	ppbv #	2
20) Methylene Chloride	4.35	84	8319	0.081	ppbv #	64
39) 1,2-Dichloropropane	7.19	63	880068	7.107	ppbv #	23

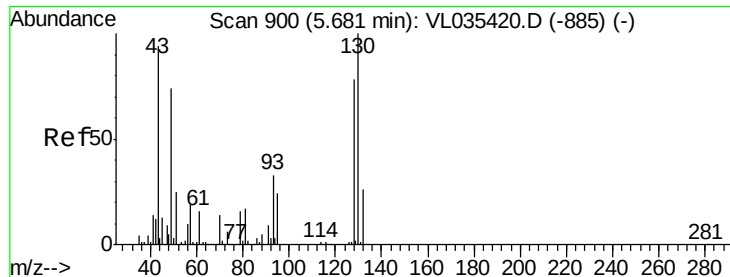
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035459.D

Acq: 19 Aug 2020 2:18

Instrument :

MSVOA_L

ClientSampleId :

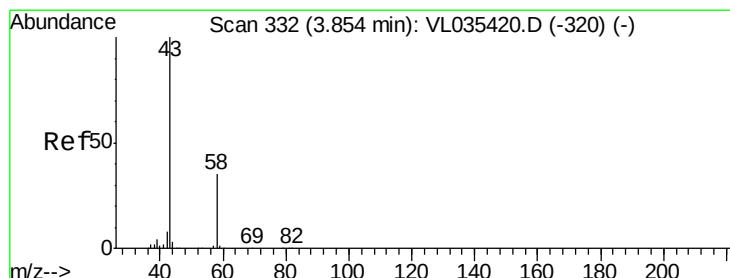
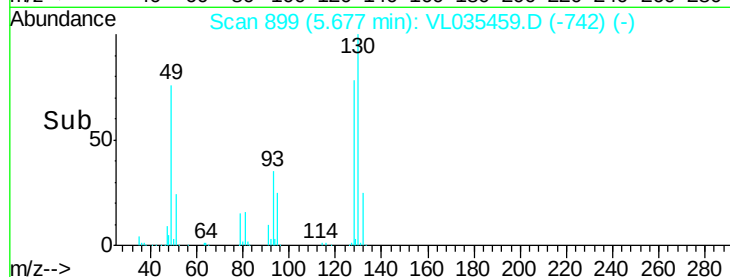
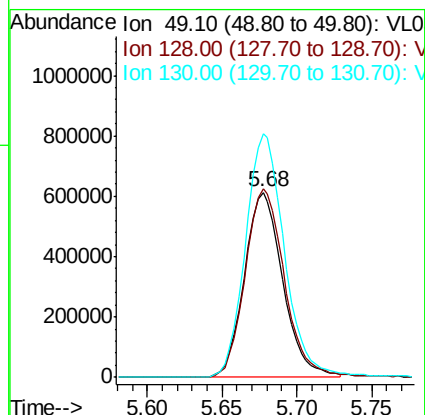
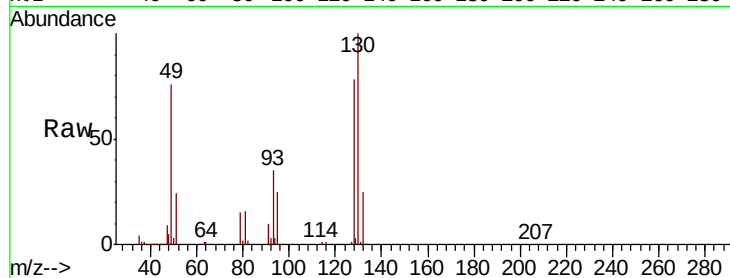
Tot Ion: 49 Resp: 1099456

Ion Ratio Lower Upper

49 100

128 105.5 20.9 62.7#

130 135.1 26.7 80.1#



#15

Acetone

Concen: 0.140 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.04 min

Lab File: VL035459.D

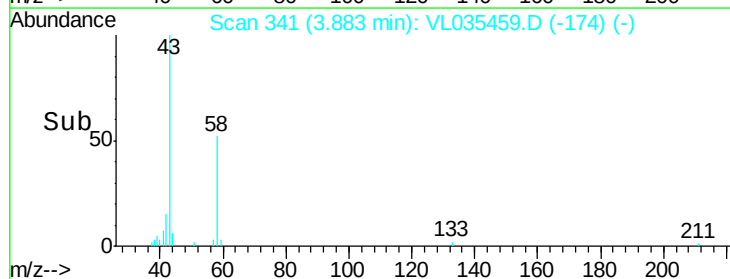
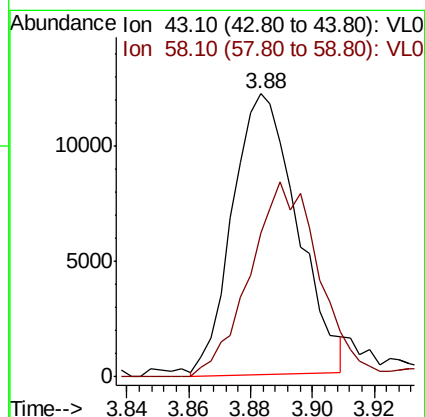
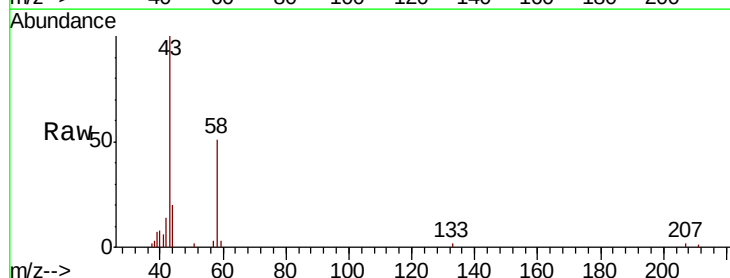
Acq: 19 Aug 2020 2:18

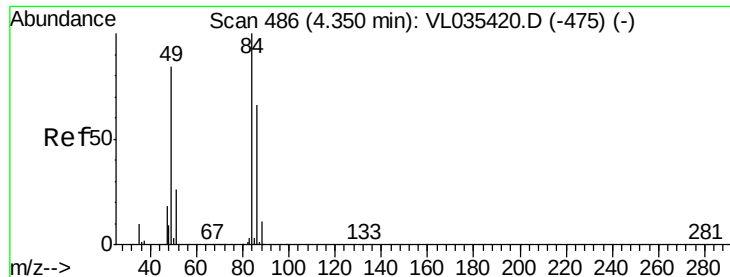
Tgt Ion: 43 Resp: 17744

Ion Ratio Lower Upper

43 100

58 76.4 21.0 31.6#





#20

Methylene Chloride

Concen: 0.081 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL035459.D

Acq: 19 Aug 2020 2:18

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 84 Resp: 8319

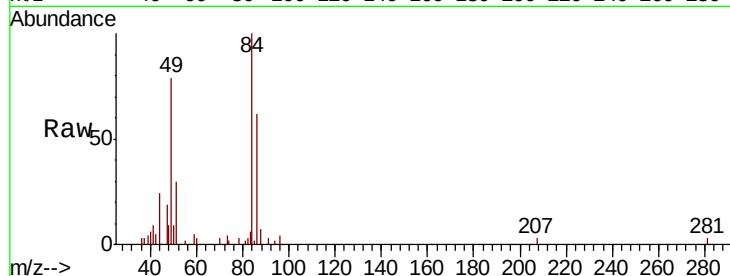
Ion Ratio Lower Upper

84 100

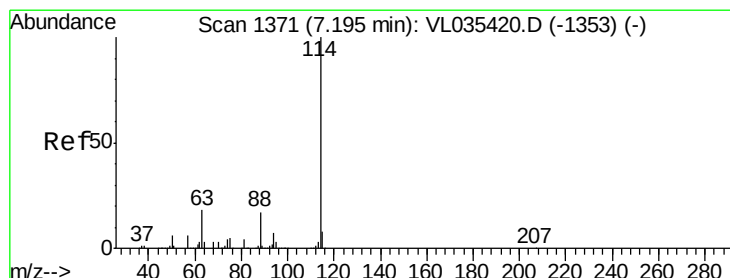
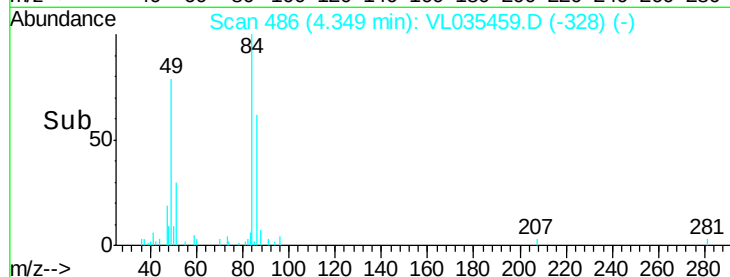
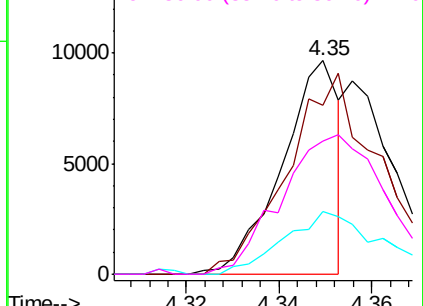
49 79.2 118.6 177.8#

51 29.6 36.4 54.6#

86 62.4 50.2 75.4



Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VL035459.D

Acq: 19 Aug 2020 2:18

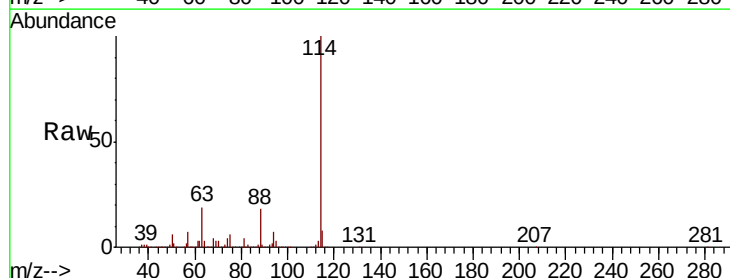
Tgt Ion: 114 Resp: 5119489

Ion Ratio Lower Upper

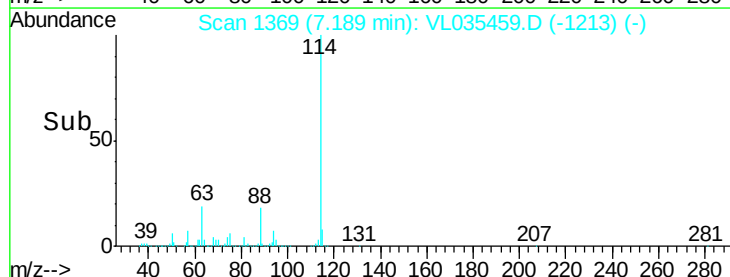
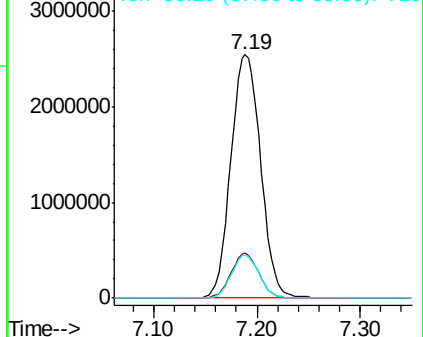
114 100

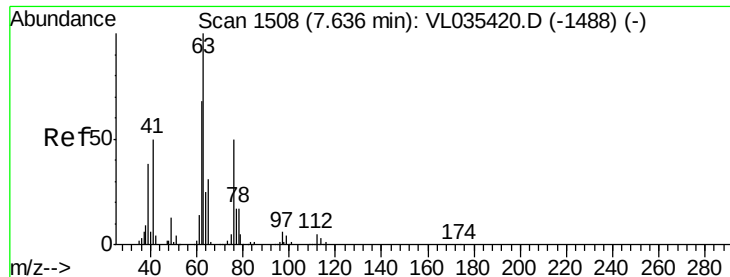
63 17.3 23.1 34.7#

88 16.5 15.9 23.9



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





#39

1,2-Dichloropropane

Concen: 7.107 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035459.D

Acq: 19 Aug 2020 2:18

Instrument :

MSVOA_L

ClientSampleId :

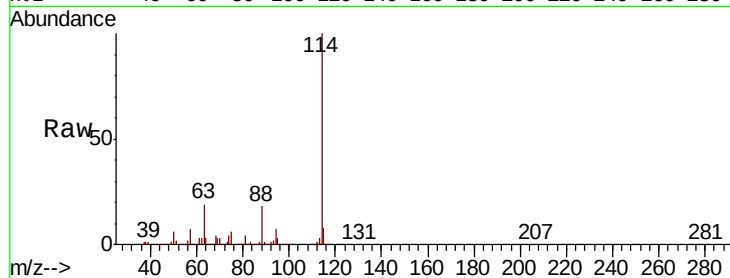
Tot Ion: 63 Resp: 880068

Ion Ratio Lower Upper

63 100

41 0.1 61.1 91.7#

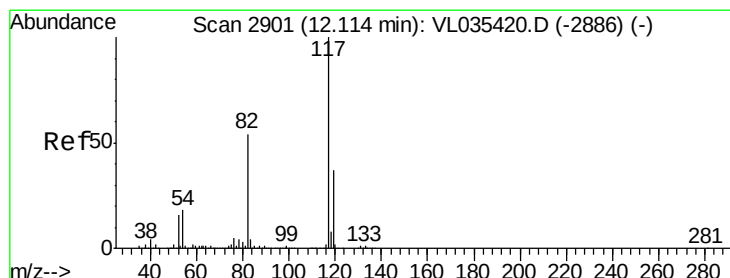
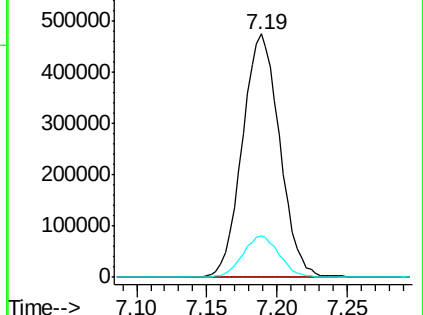
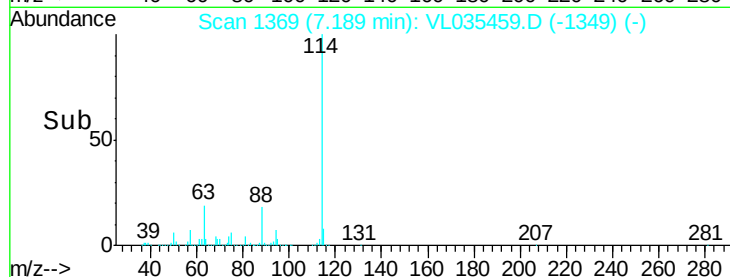
62 16.9 55.3 82.9#



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: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035459.D

Acq: 19 Aug 2020 2:18

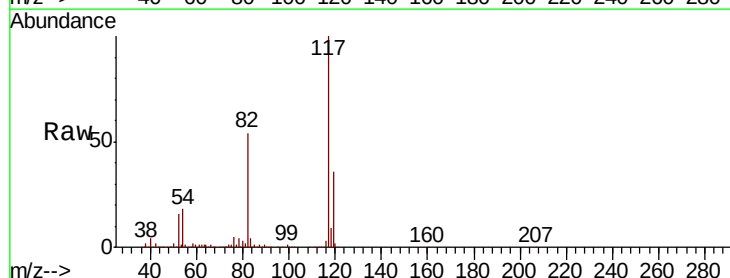
Tgt Ion: 117 Resp: 5051233

Ion Ratio Lower Upper

117 100

82 53.5 57.4 86.0#

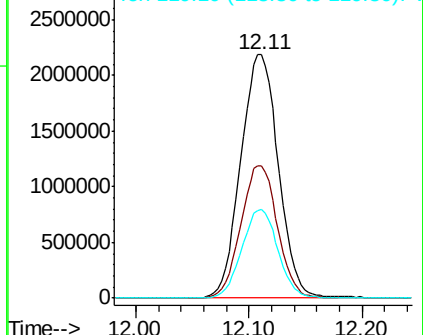
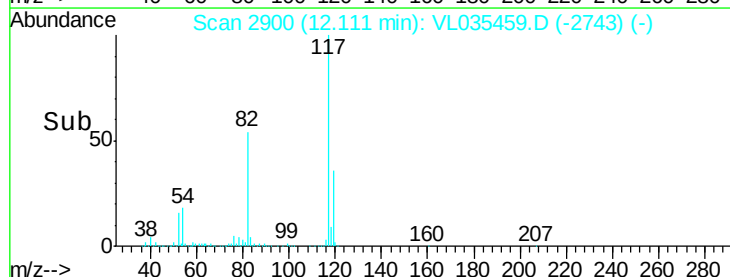
119 35.1 28.4 42.6

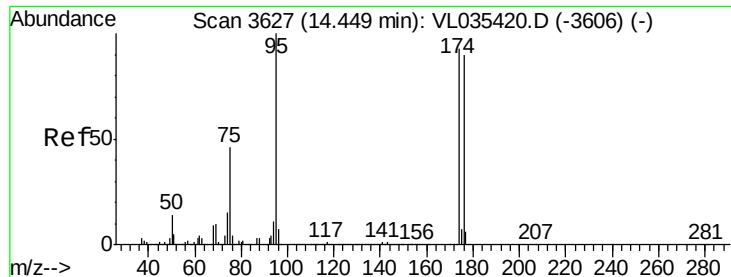


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.348 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL035459.D

Acq: 19 Aug 2020 2:18

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3659380

Ion Ratio Lower Upper

95 100

174 89.9 44.0 66.0#

175 6.5 3.2 4.8#

