

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035528.D
 Acq On : 3 Sep 2020 13:10
 Operator : SY/AP
 Sample : VL0903ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0903ABL01

Quant Time: Sep 04 06:45:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1053258	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4460837	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4498958	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3250216	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

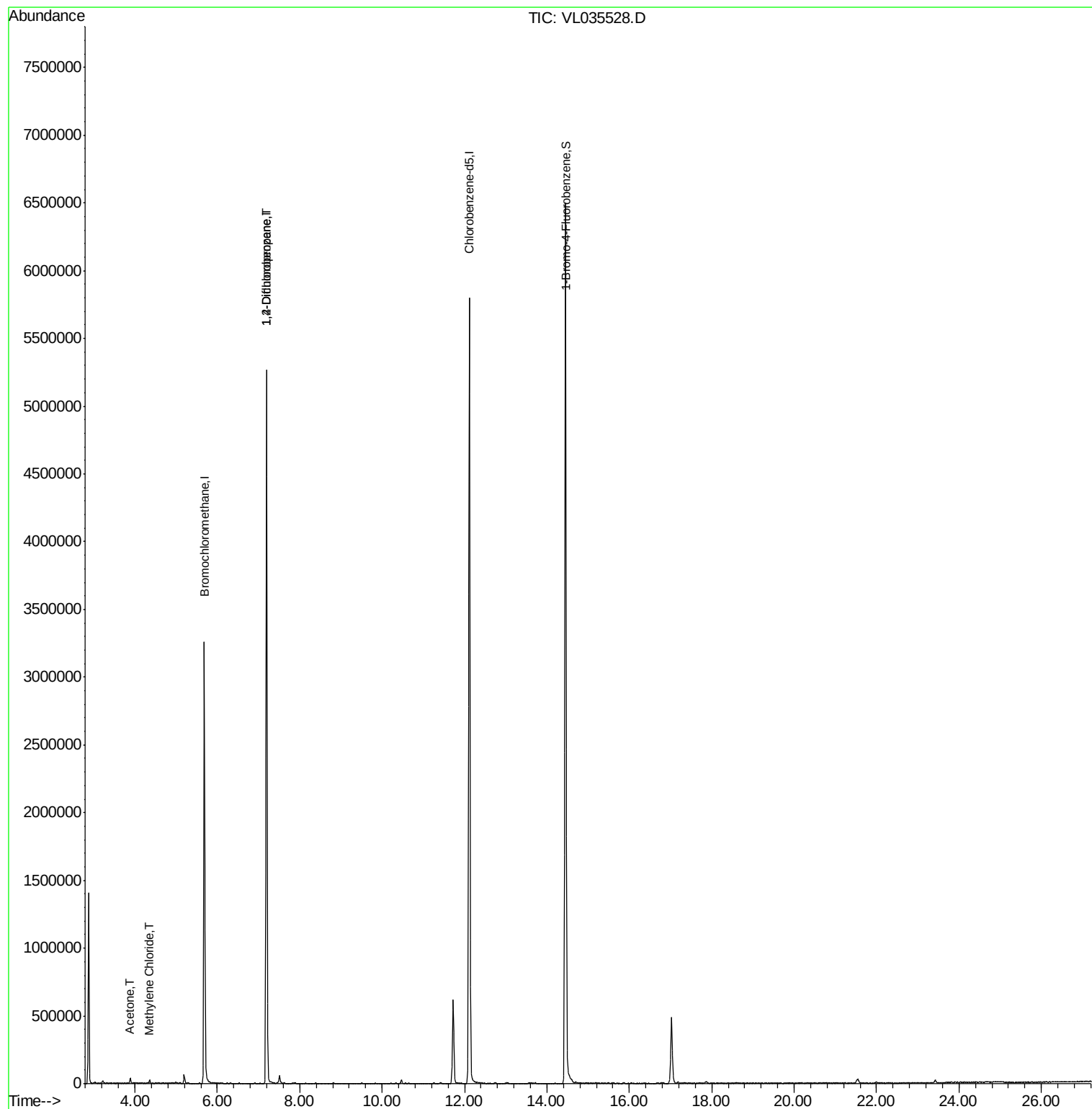
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.89	43	26816	0.231	ppbv #	30
20) Methylene Chloride	4.36	84	9363	0.108	ppbv	91
39) 1,2-Dichloropropane	7.20	63	806638	8.269	ppbv #	32

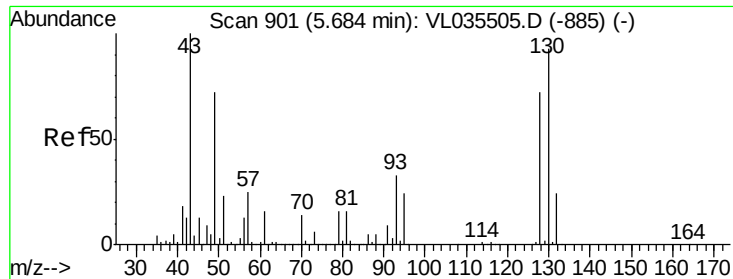
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL035528.D

Acq: 3 Sep 2020 13:10

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABL01

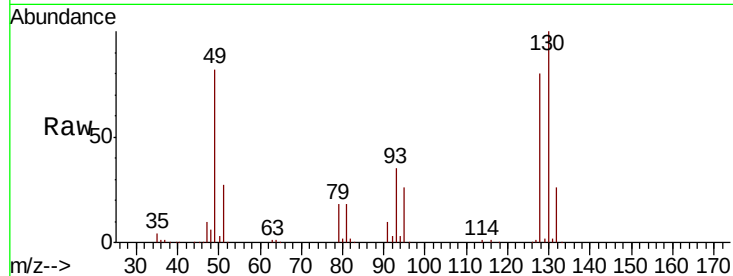
Tot Ion: 49 Resp: 1053258

Ion Ratio Lower Upper

49 100

128 97.8 50.0 150.1

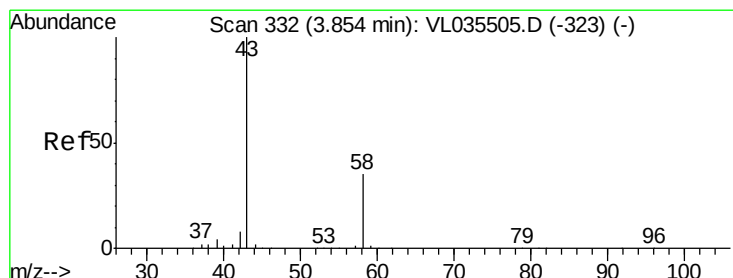
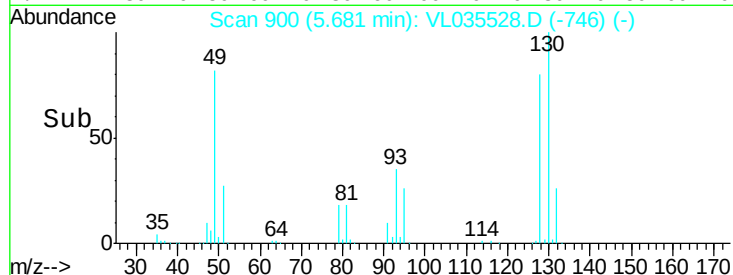
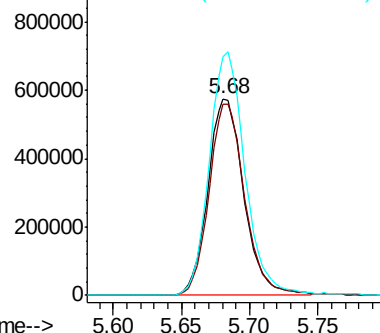
130 124.6 64.4 193.2



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



#15

Acetone

Concen: 0.231 ppbv

RT: 3.89 min Scan# 342

Delta R.T. 0.03 min

Lab File: VL035528.D

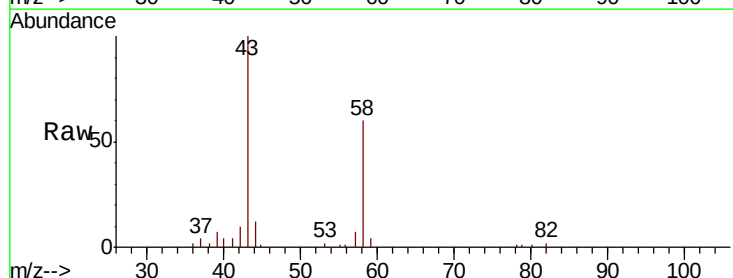
Acq: 3 Sep 2020 13:10

Tgt Ion: 43 Resp: 26816

Ion Ratio Lower Upper

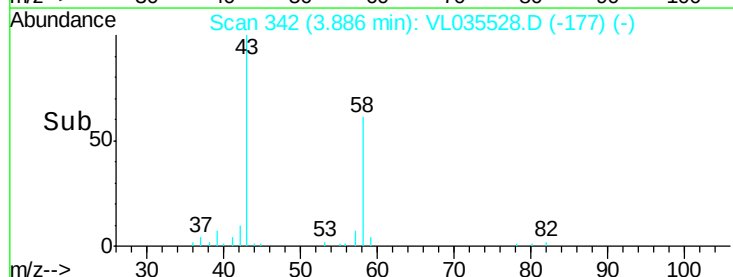
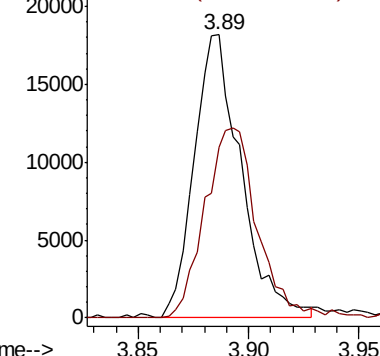
43 100

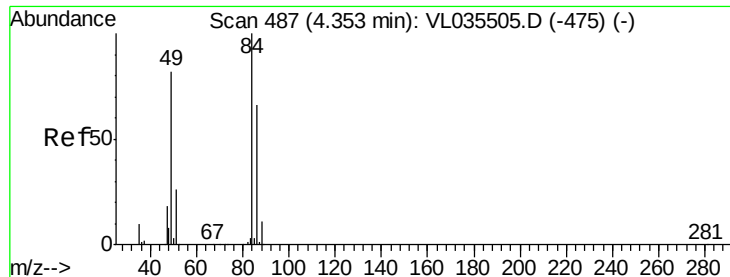
58 76.5 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

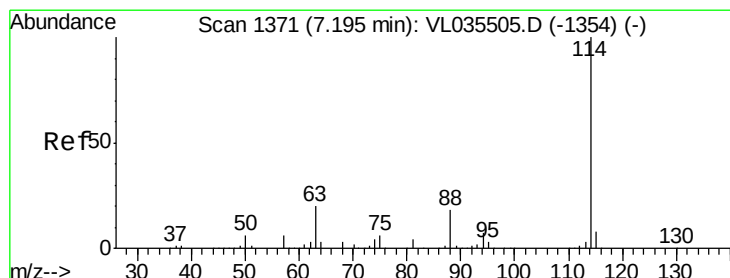
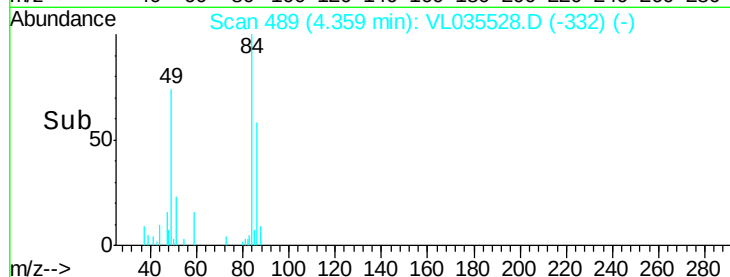
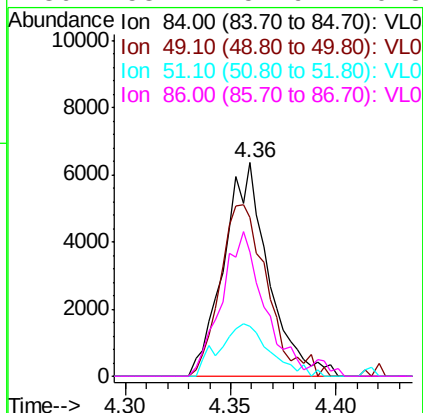
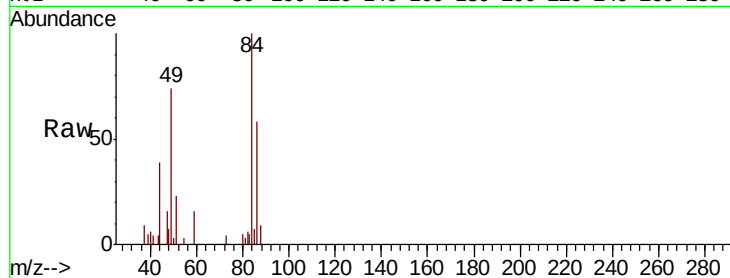




#20
Methylene Chloride
Concen: 0.108 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL035528.D
Acq: 3 Sep 2020 13:10

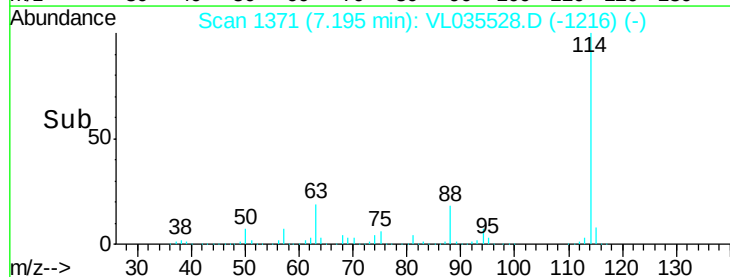
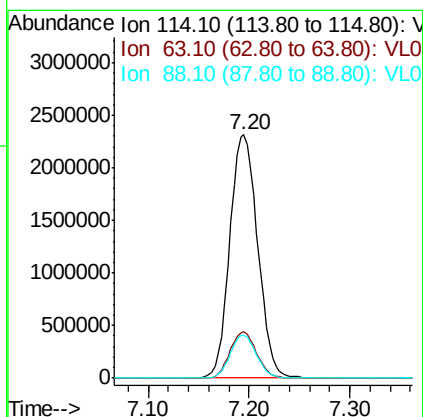
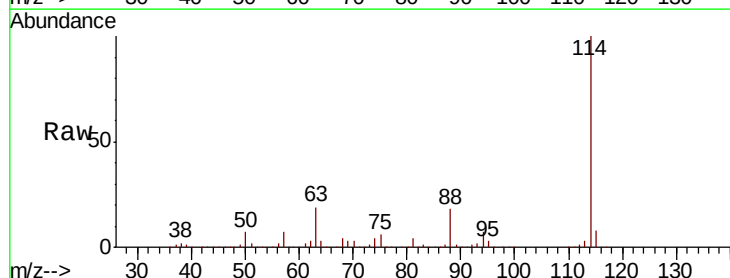
Instrument :
MSVOA_L
ClientSampleId :
VL0903ABL01

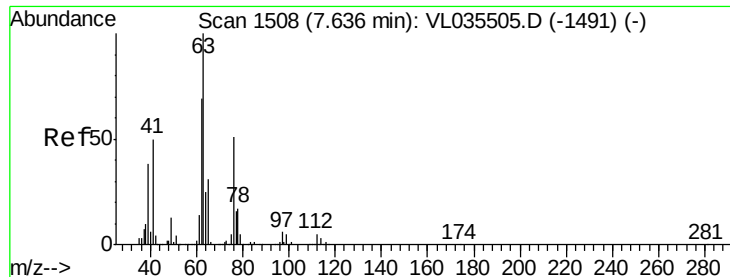
Tot Ion:	84	Resp:	9363
Ion	Ratio	Lower	Upper
84	100		
49	74.2	65.4	98.0
51	23.4	21.5	32.3
86	58.2	52.9	79.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VL035528.D
Acq: 3 Sep 2020 13:10

Tgt Ion:	114	Resp:	4460837
Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.7	22.1
88	16.7	13.4	20.2





#39

1,2-Dichloropropane

Concen: 8.269 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. -0.44 min

Lab File: VL035528.D

Acq: 3 Sep 2020 13:10

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABL01

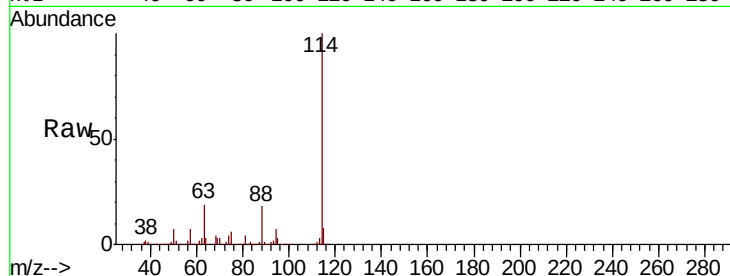
Tot Ion: 63 Resp: 806638

Ion Ratio Lower Upper

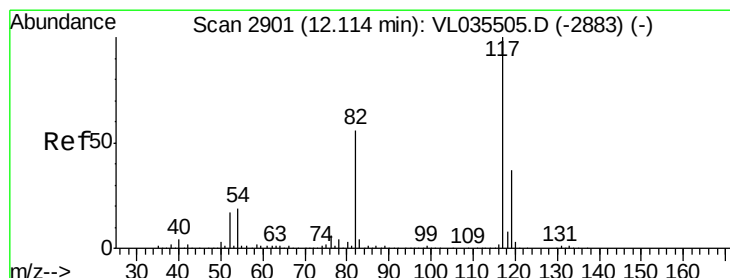
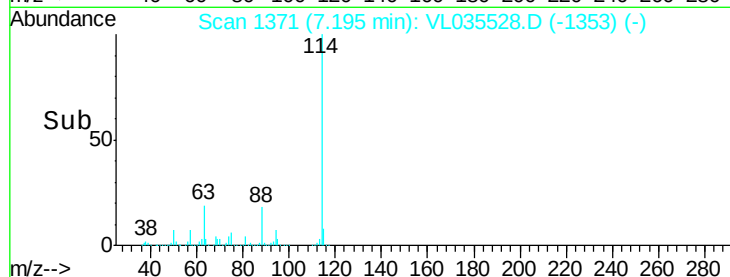
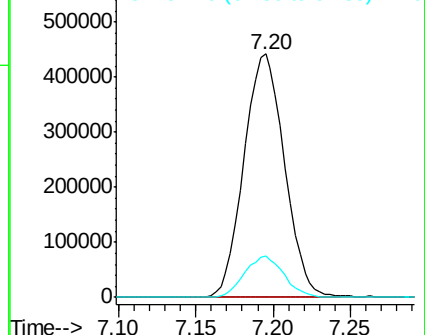
63 100

41 0.0 40.0 60.0#

62 16.9 55.4 83.0#



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# 2901

Delta R.T. -0.00 min

Lab File: VL035528.D

Acq: 3 Sep 2020 13:10

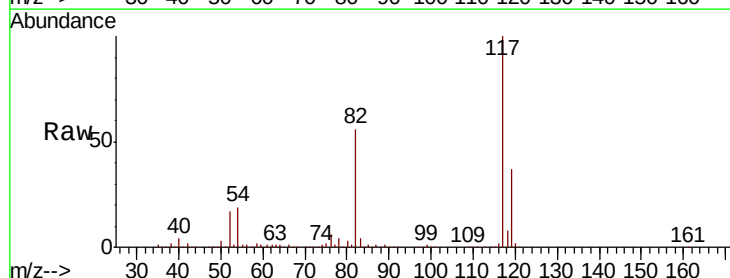
Tgt Ion: 117 Resp: 4498958

Ion Ratio Lower Upper

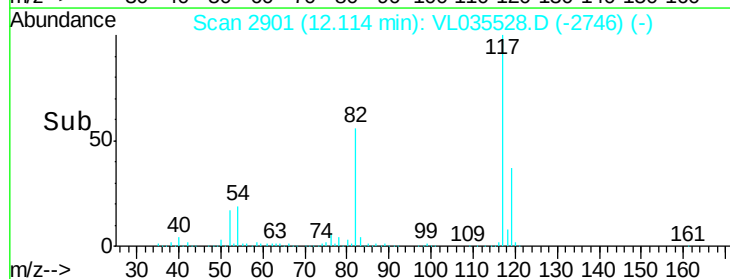
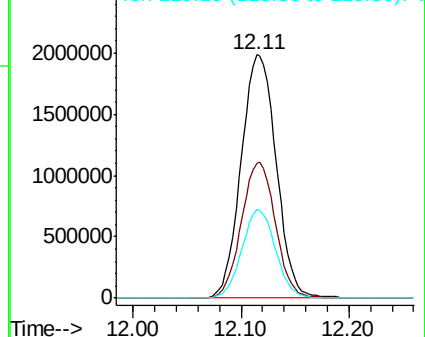
117 100

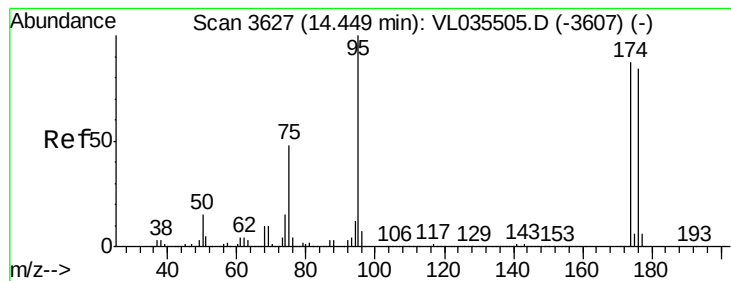
82 54.4 41.6 62.4

119 35.1 29.3 43.9



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: 10.173 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035528.D

Acq: 3 Sep 2020 13:10

Instrument :

MSVOA_L

ClientSampleId :

VL0903ABL01

Tot Ion: 95 Resp: 3250216

Ion Ratio Lower Upper

95 100

174 86.9 69.6 104.4

175 6.3 5.1 7.7

