

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036186.D
 Acq On : 17 Dec 2020 3:45
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 07:42:52 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	5.68	49	1468564	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2798031	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2554604	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2168343	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

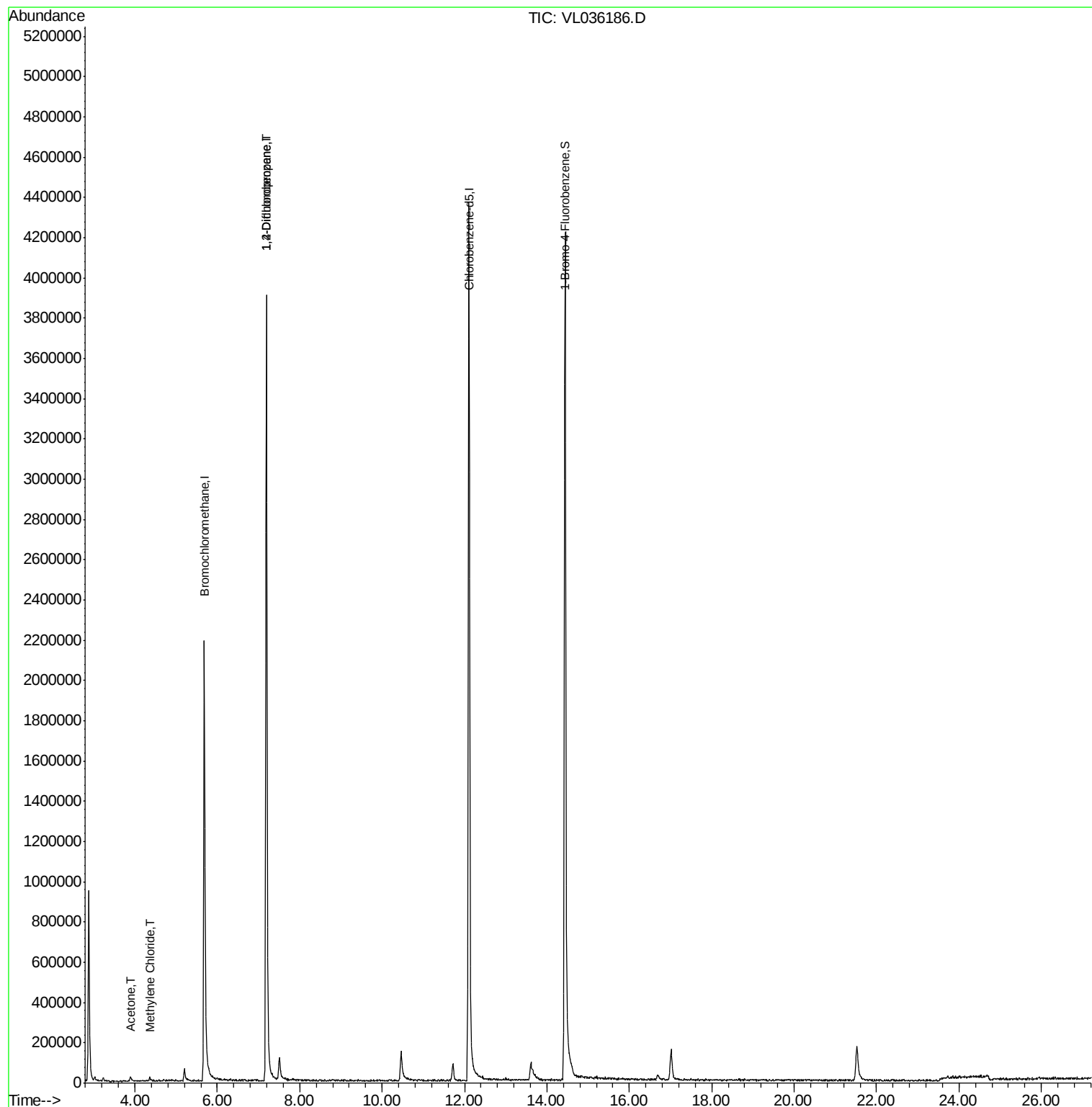
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.88	43	9000	0.051	ppbv #	49
20) Methylene Chloride	4.35	84	2261	0.031	ppbv #	79
39) 1,2-Dichloropropane	7.19	63	935398	9.989	ppbv #	24

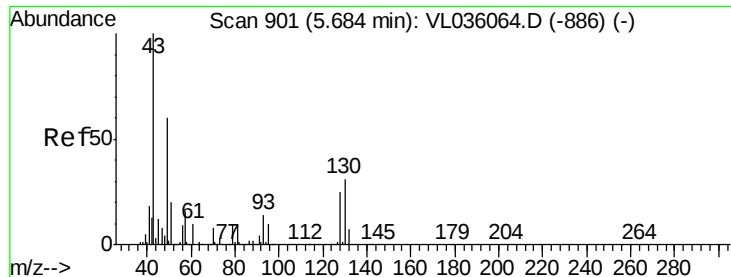
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036186.D

Acq: 17 Dec 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

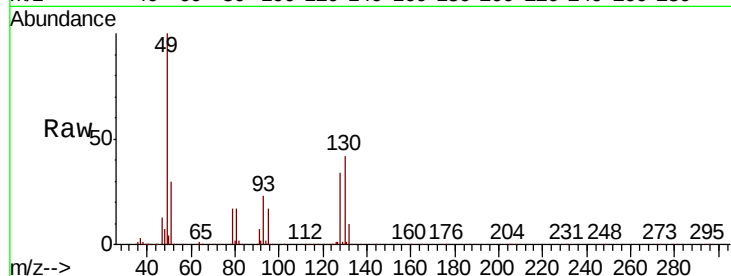
Tot Ion: 49 Resp: 1468564

Ion Ratio Lower Upper

49 100

128 35.9 21.1 63.1

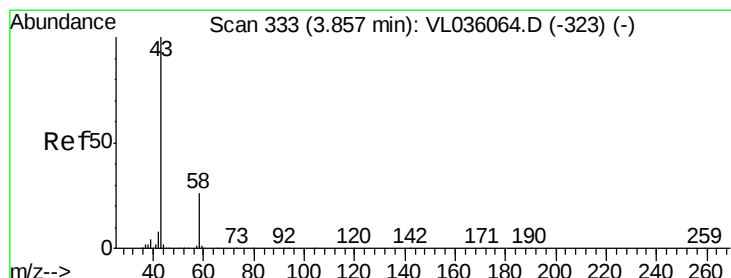
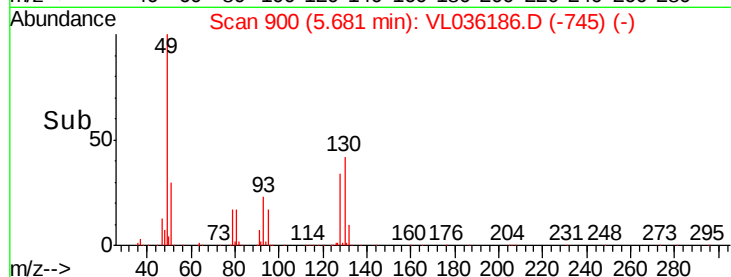
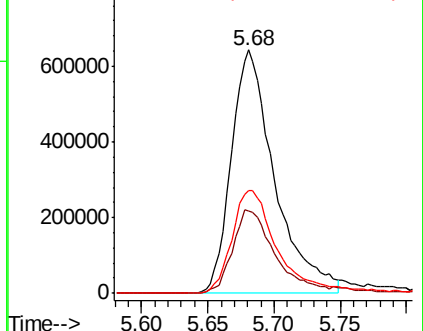
130 45.6 27.1 81.3



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



#15

Acetone

Concen: 0.051 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.03 min

Lab File: VL036186.D

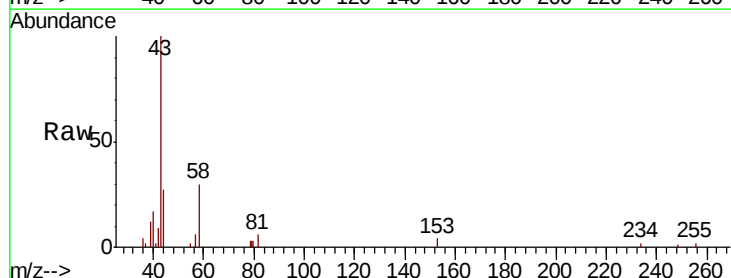
Acq: 17 Dec 2020 3:45

Tgt Ion: 43 Resp: 9000

Ion Ratio Lower Upper

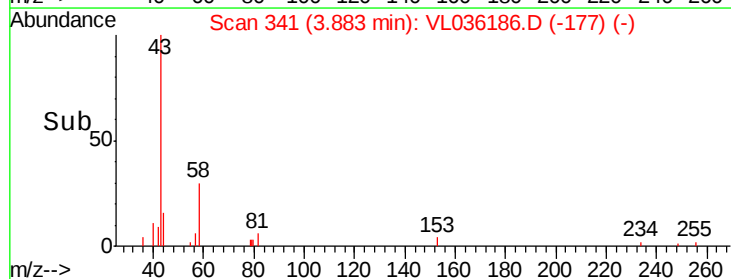
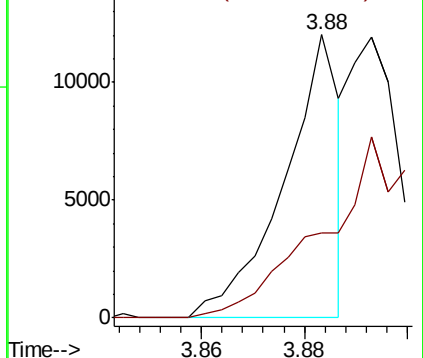
43 100

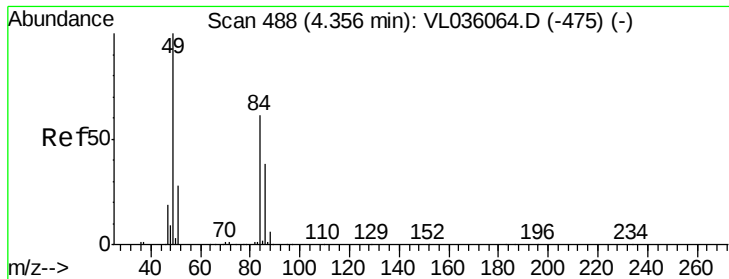
58 0.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

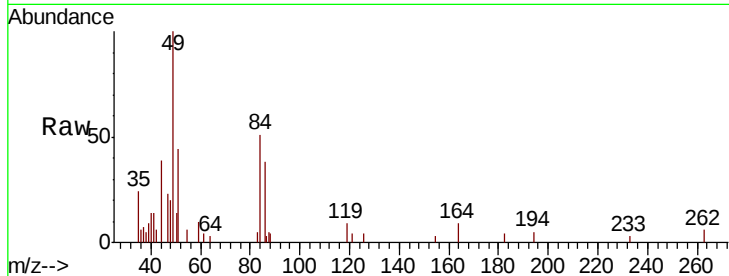




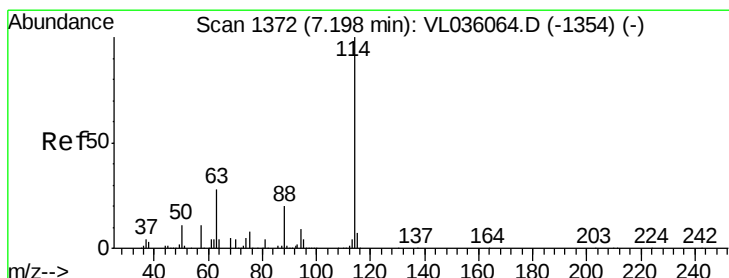
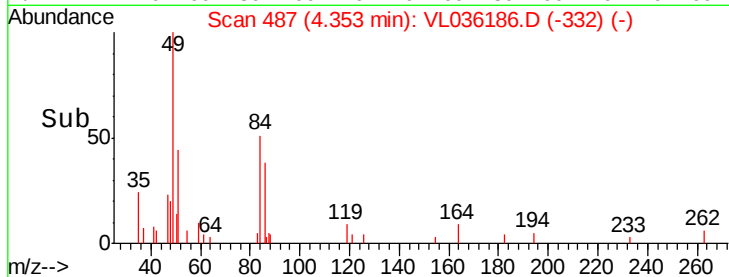
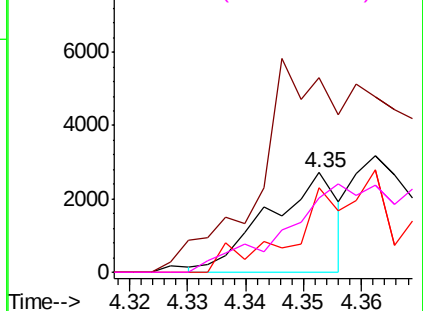
#20
Methvlene Chloride
Concen: 0.031 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036186.D
Acq: 17 Dec 2020 3:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 2261
Ion Ratio Lower Upper
84 100
49 172.9 133.0 199.4
51 90.2 38.9 58.3#
86 85.3 48.8 73.2#

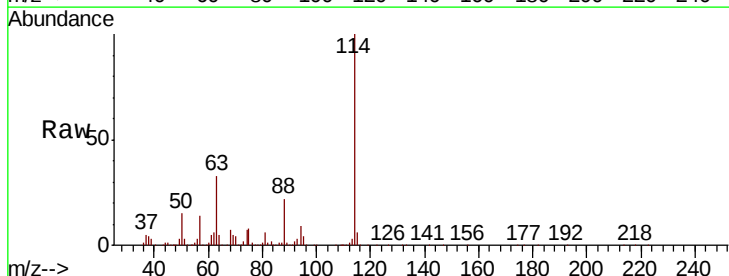


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

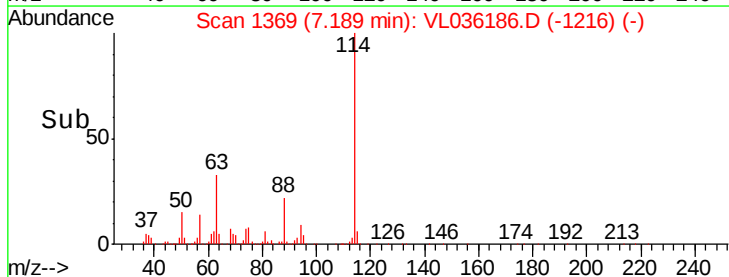
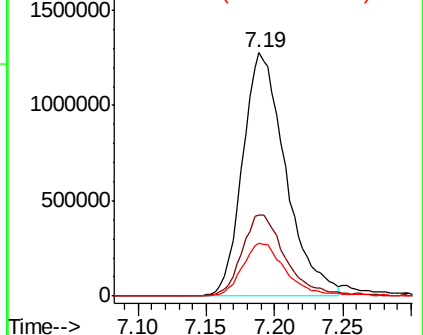


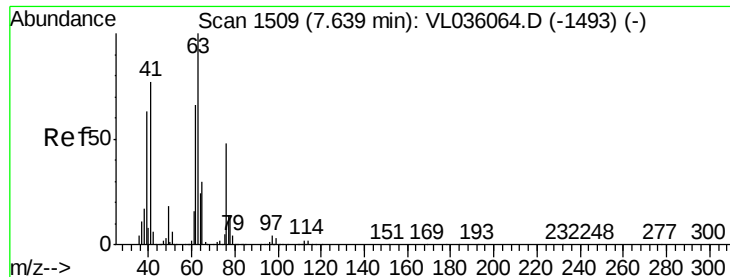
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL036186.D
Acq: 17 Dec 2020 3:45

Tgt Ion:114 Resp: 2798031
Ion Ratio Lower Upper
114 100
63 34.4 23.6 35.4
88 22.4 15.8 23.6



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: 9.989 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.45 min

Lab File: VL036186.D

Acq: 17 Dec 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

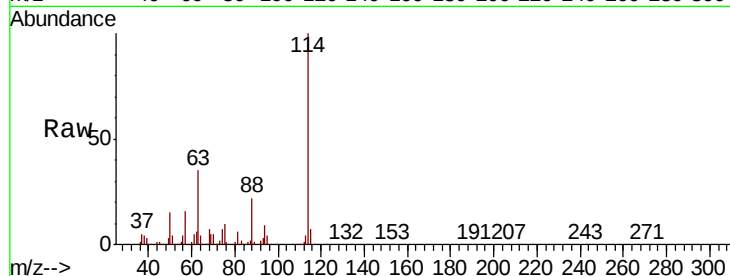
Tot Ion: 63 Resp: 935398

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

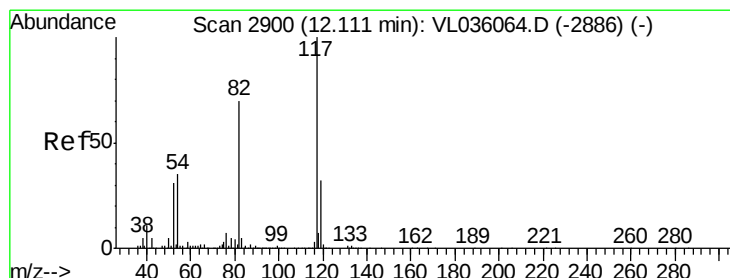
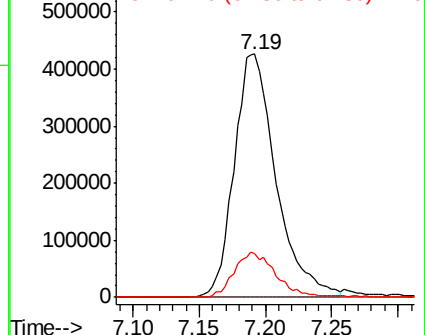
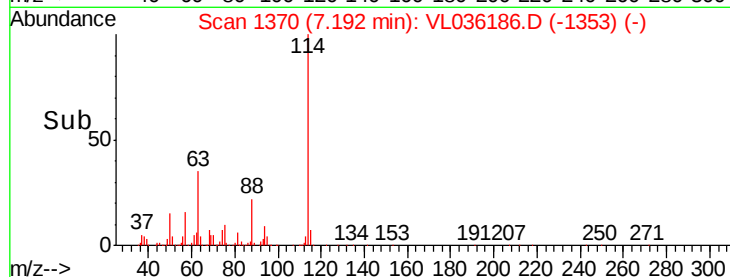
62 17.9 52.5 78.7#



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: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL036186.D

Acq: 17 Dec 2020 3:45

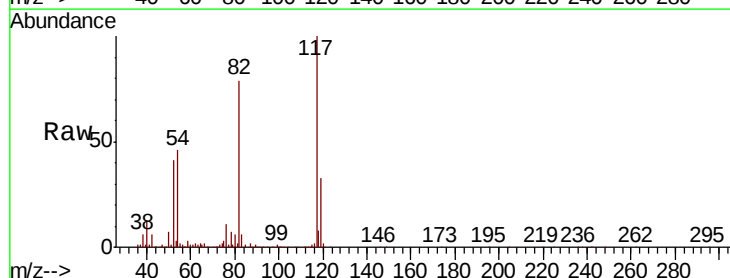
Tgt Ion: 117 Resp: 2554604

Ion Ratio Lower Upper

117 100

82 82.0 0.0 0.0#

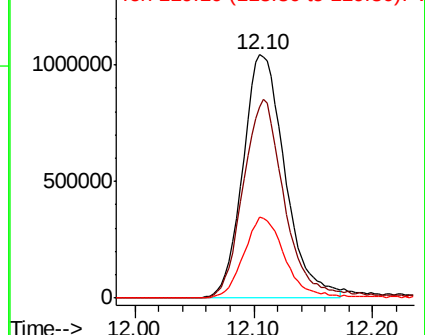
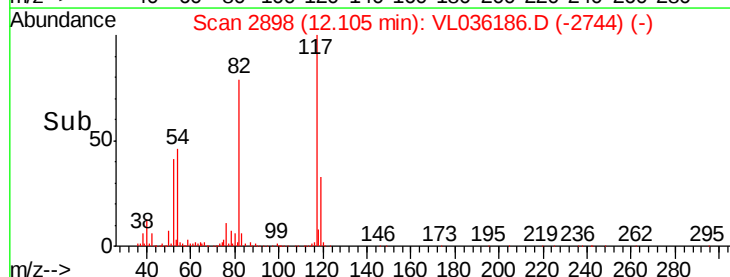
119 33.4 0.0 0.0#

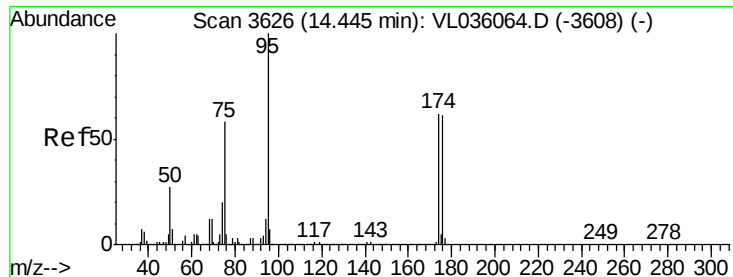


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.690 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL036186.D

Acq: 17 Dec 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

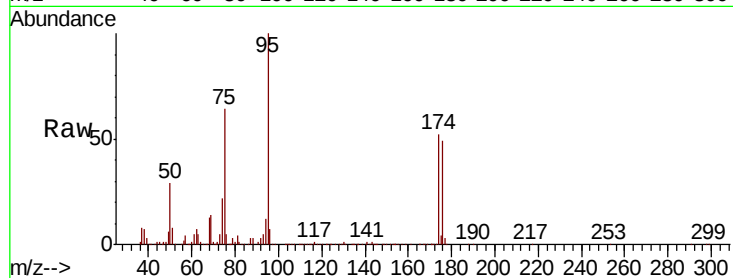
Tot Ion: 95 Resp: 2168343

Ion Ratio Lower Upper

95 100

174 56.9 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

