

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035025.D
 Acq On : 14 May 2020 18:21
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:10:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1177441	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2654999	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2517904	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2145648	10.53	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

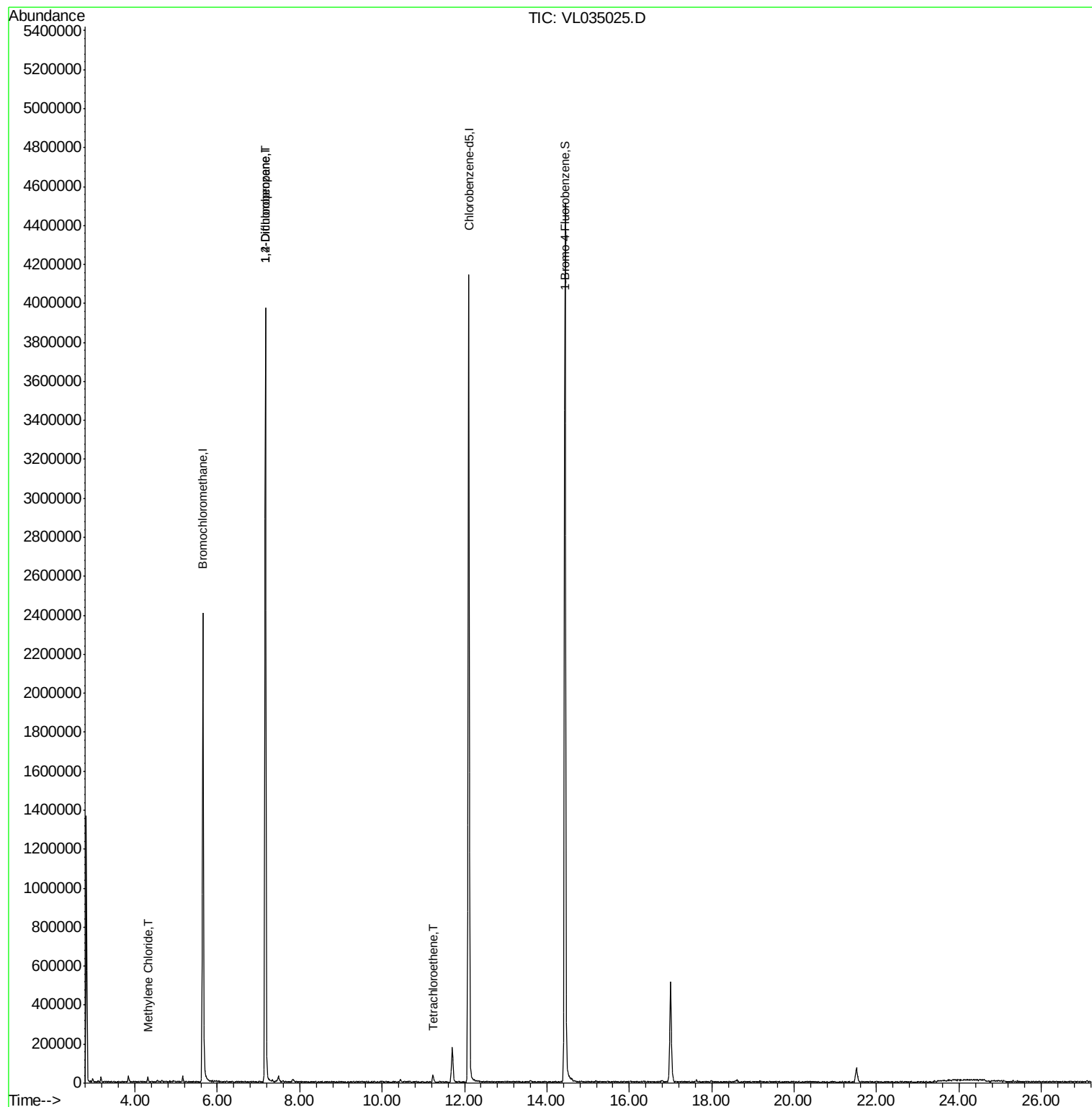
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.31	84	4298	0.083	ppbv #	89
39) 1,2-Dichloropropane	7.17	63	743374	8.472	ppbv #	25
52) Tetrachloroethene	11.22	164	2685	0.034	ppbv #	63

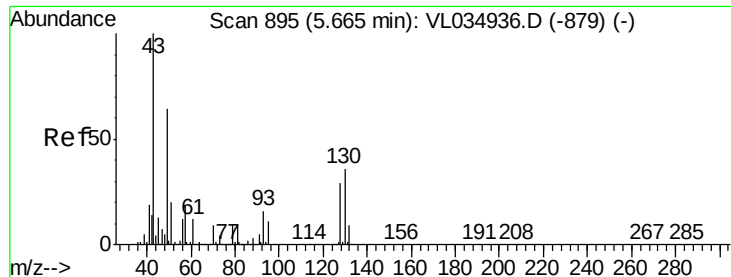
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

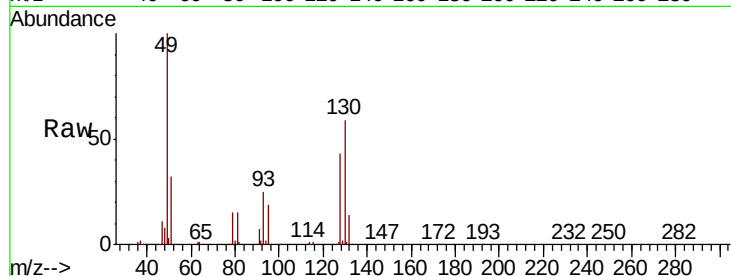
Lab File: VL035025.D

Acq: 14 May 2020 18:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1177441

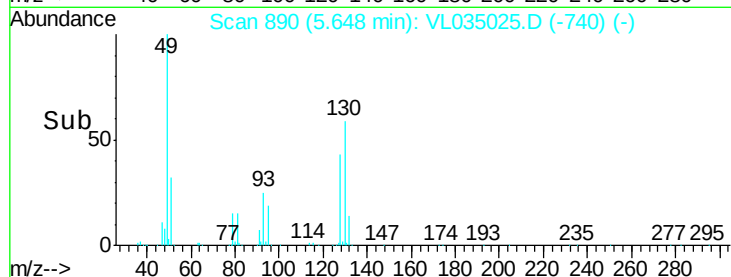
Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.1	66.5
130	57.4	29.1	87.3



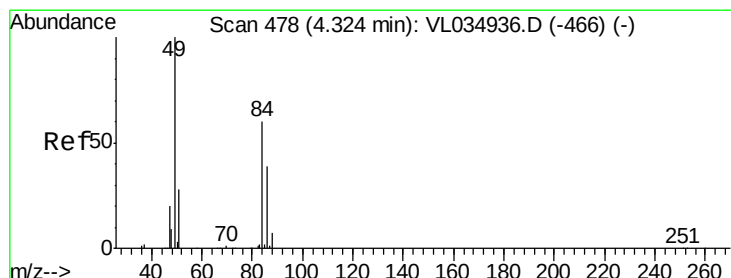
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#20

Methylene Chloride

Concen: 0.083 ppbv

RT: 4.31 min Scan# 474

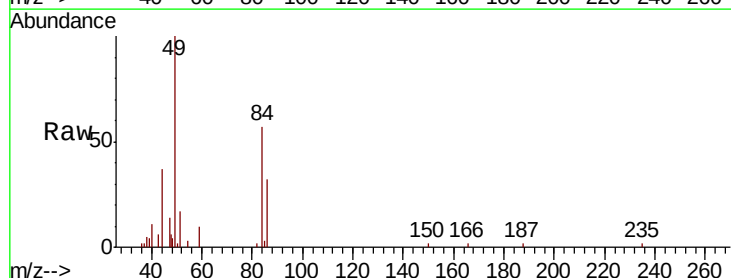
Delta R.T. -0.01 min

Lab File: VL035025.D

Acq: 14 May 2020 18:21

Tgt Ion: 84 Resp: 4298

Ion	Ratio	Lower	Upper
84	100		
49	160.4	132.5	198.7
51	31.0	38.4	57.6#
86	50.3	51.2	76.8#

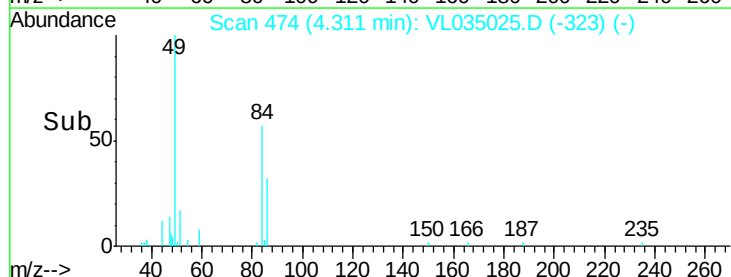


Abundance Ion 84.00 (83.70 to 84.70): VL0

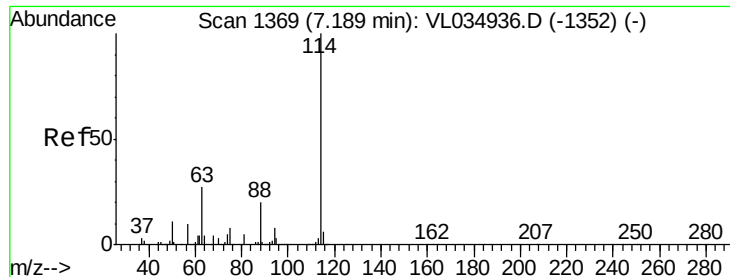
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



Time-->

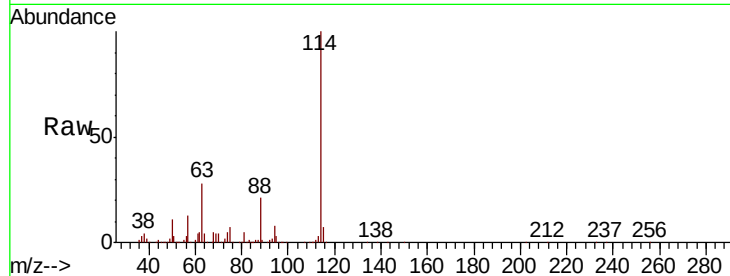


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035025.D
 Acq: 14 May 2020 18:21

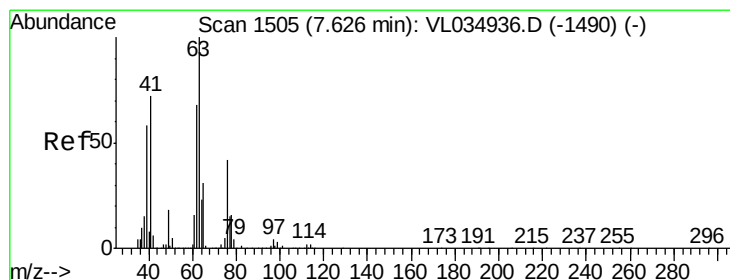
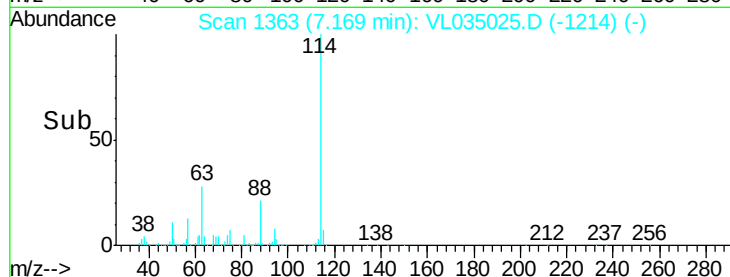
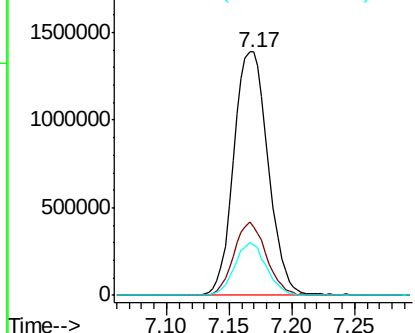
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2654999

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.2	33.4
88	20.0	15.5	23.3



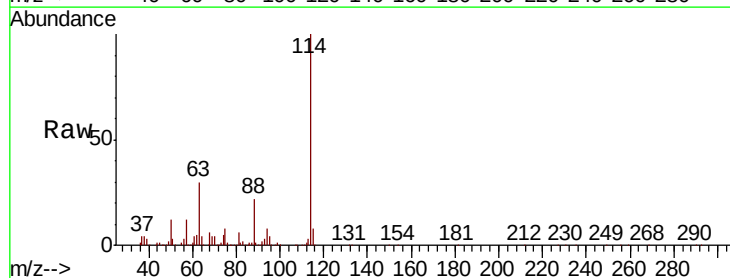
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



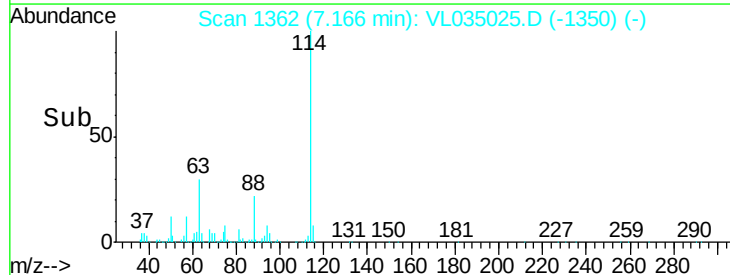
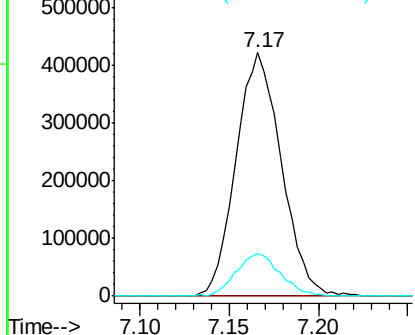
#39
 1,2-Dichloropropane
 Concen: 8.472 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.46 min
 Lab File: VL035025.D
 Acq: 14 May 2020 18:21

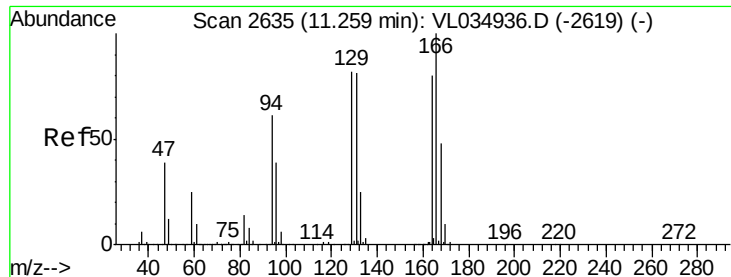
Tgt Ion: 63 Resp: 743374

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	17.3	54.2	81.2#



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





#52

Tetrachloroethene

Concen: 0.034 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.04 min

Lab File: VL035025.D

Acq: 14 May 2020 18:21

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 2685

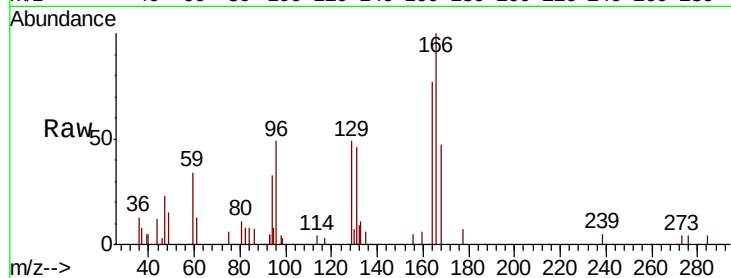
Ion Ratio Lower Upper

164 100

166 108.0 100.7 151.1

129 68.4 83.0 124.4#

131 33.2 81.0 121.4#

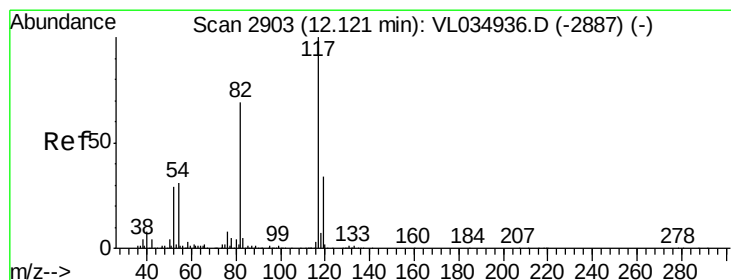
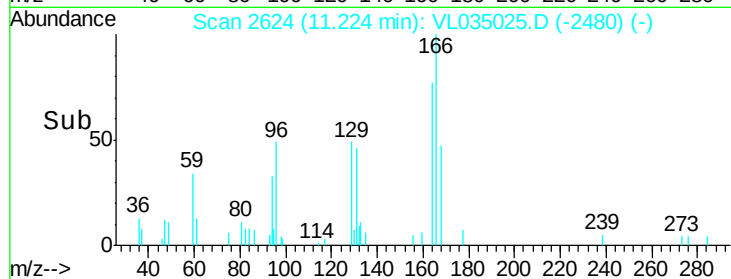
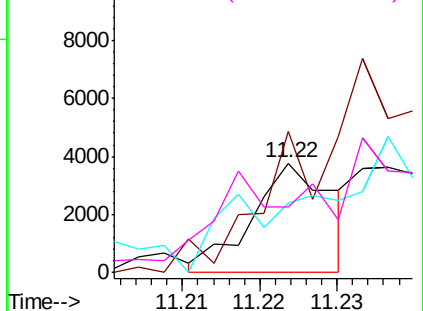


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: VL035025.D

Acq: 14 May 2020 18:21

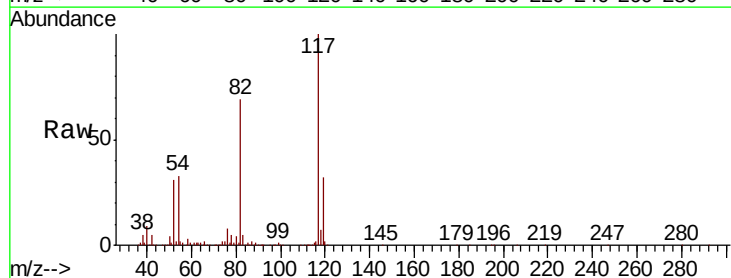
Tgt Ion:117 Resp: 2517904

Ion Ratio Lower Upper

117 100

82 70.4 53.1 79.7

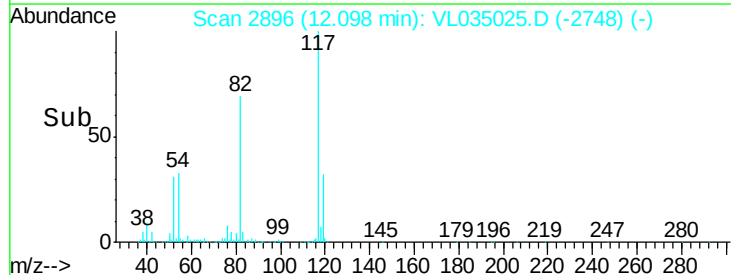
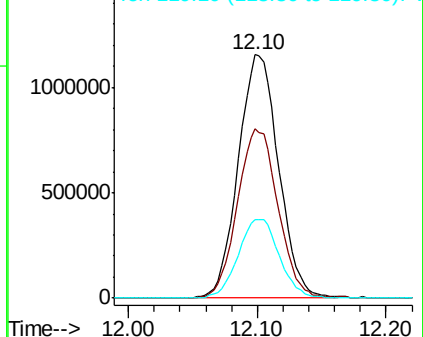
119 33.0 26.7 40.1

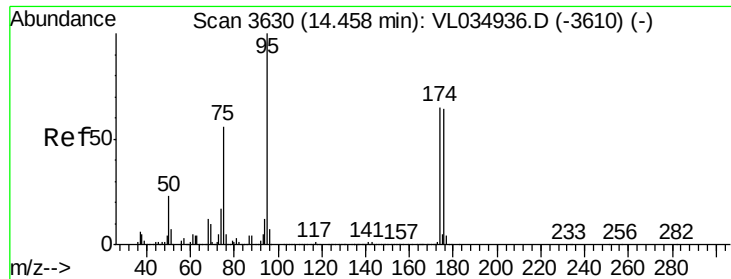


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.528 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.02 min

Lab File: VL035025.D

Acq: 14 May 2020 18:21

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2145648

Ion Ratio Lower Upper

95 100

174 64.1 51.5 77.3

175 4.7 3.8 5.8

