

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035602.D
 Acq On : 14 Sep 2020 17:14
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:41:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1094710	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4641410	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4654437	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3429649	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

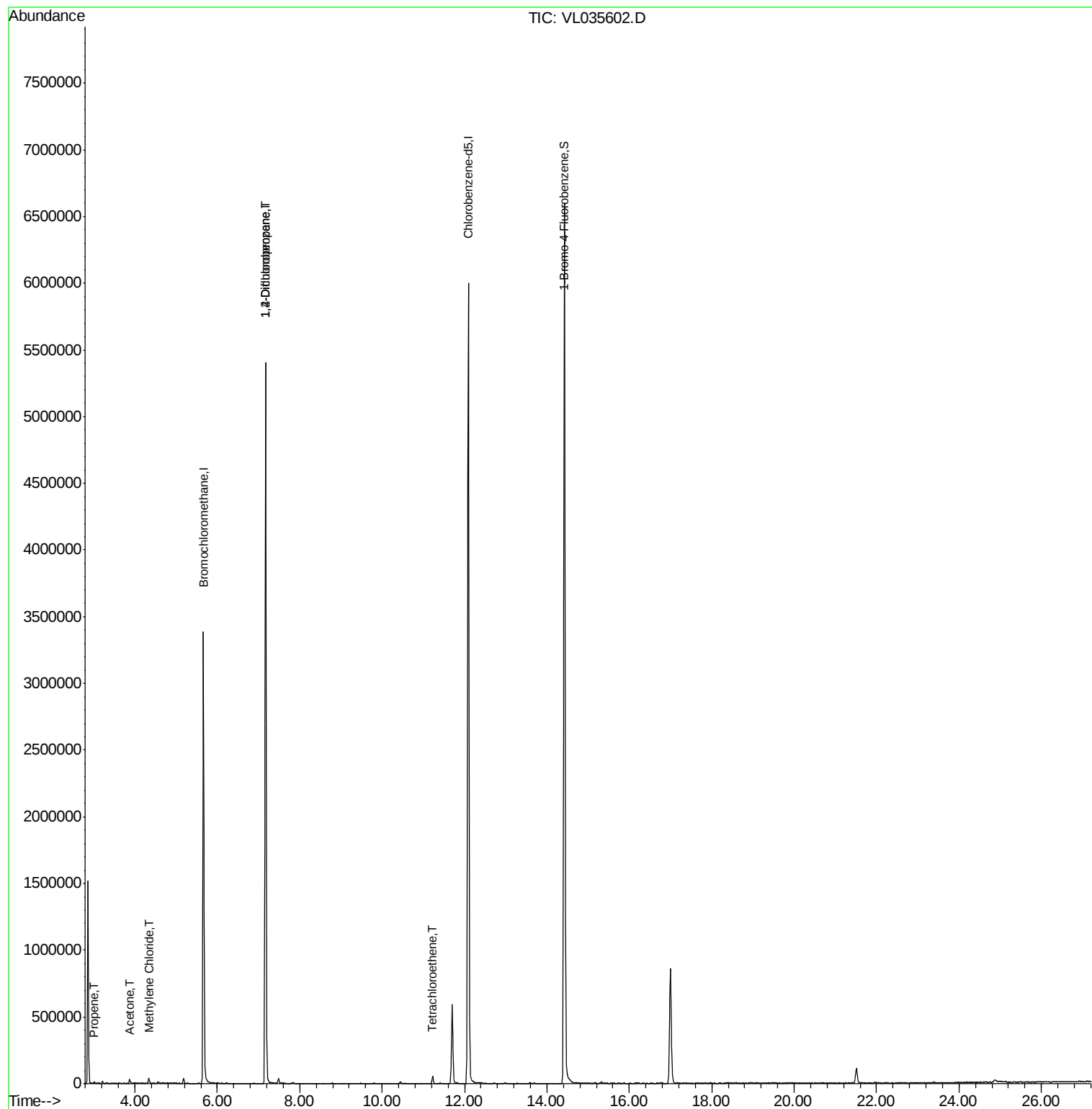
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3046	0.065	ppbv	95
15) Acetone	3.86	43	20905	0.173	ppbv #	30
20) Methylene Chloride	4.34	84	15130	0.168	ppbv #	83
39) 1,2-Dichloropropane	7.17	63	853440	8.409	ppbv #	32
52) Tetrachloroethene	11.22	164	15757	0.090	ppbv	97

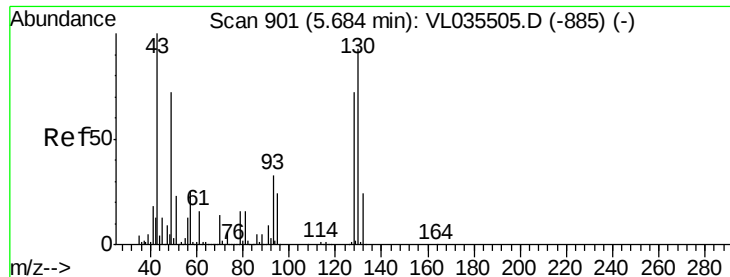
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
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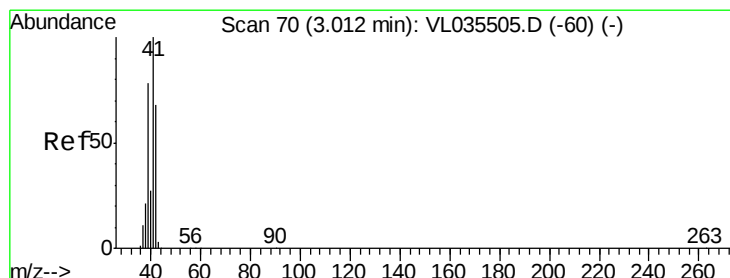
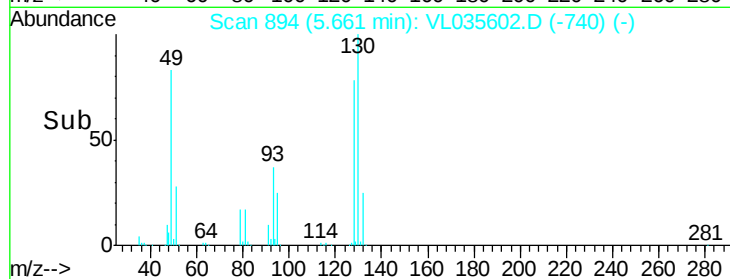
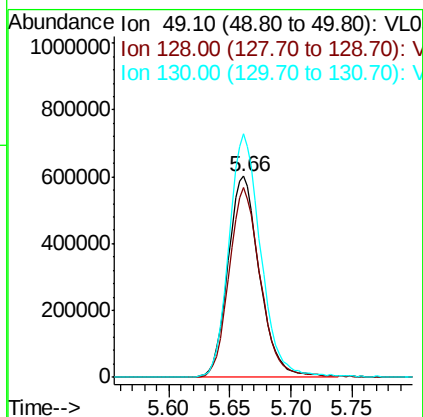
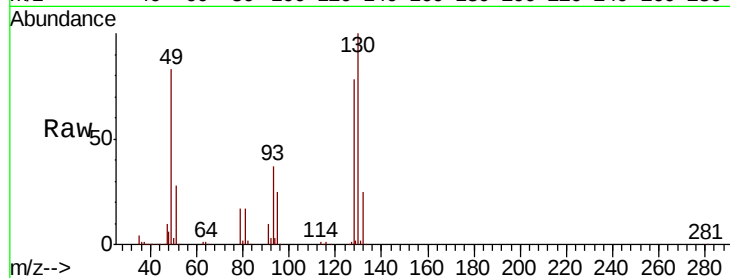




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VL035602.D
 Acq: 14 Sep 2020 17:14

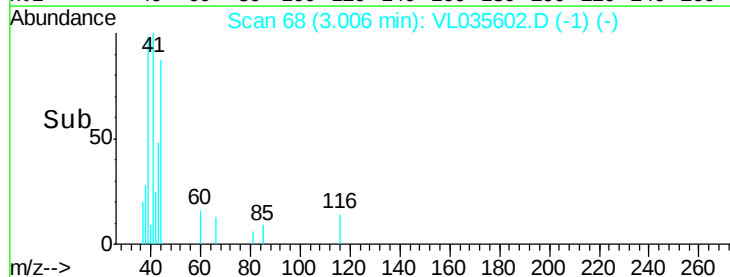
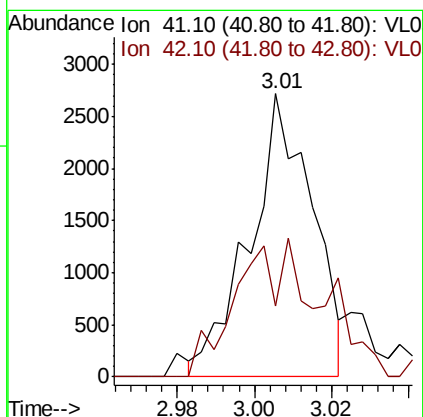
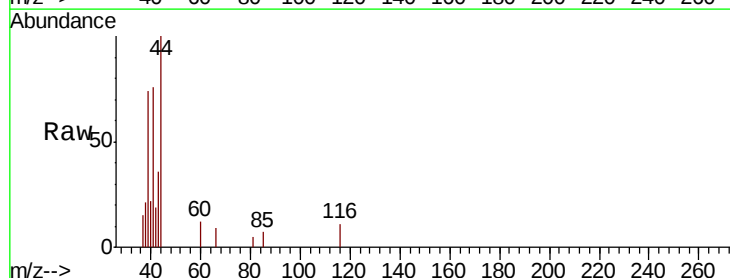
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

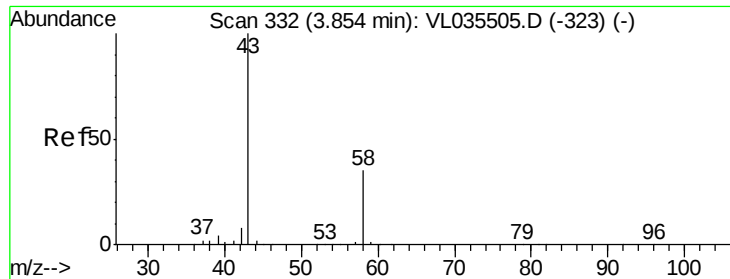
Tot Ion: 49 Resp: 1094710
 Ion Ratio Lower Upper
 49 100
 128 93.5 50.0 150.1
 130 121.8 64.4 193.2



#9
 Propene
 Concen: 0.065 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.01 min
 Lab File: VL035602.D
 Acq: 14 Sep 2020 17:14

Tgt Ion: 41 Resp: 3046
 Ion Ratio Lower Upper
 41 100
 42 66.2 56.3 84.5





#15

Acetone

Concen: 0.173 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

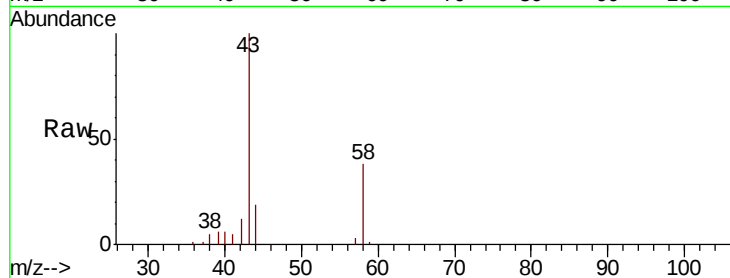
VIBLK

Tot Ion: 43 Resp: 20905

Ion Ratio Lower Upper

43 100

58 76.6 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

15000

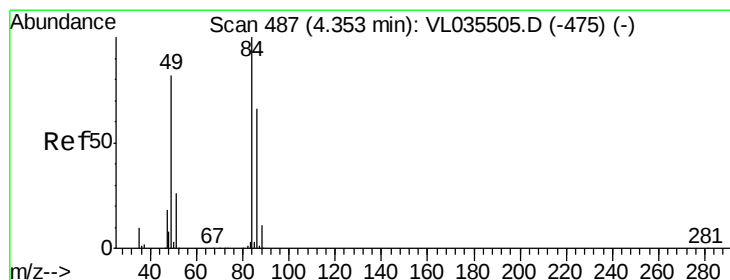
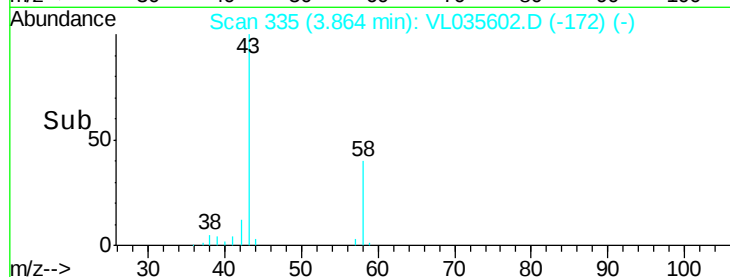
10000

5000

0

3.85 3.86 3.90

Time-->



#20

Methylene Chloride

Concen: 0.168 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

Tgt Ion: 84 Resp: 15130

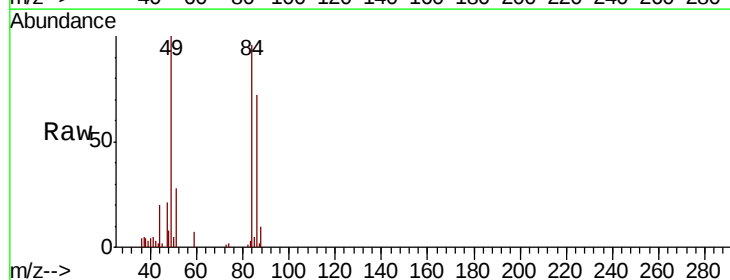
Ion Ratio Lower Upper

84 100

49 104.3 65.4 98.0#

51 29.3 21.5 32.3

86 75.6 52.9 79.3



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

15000

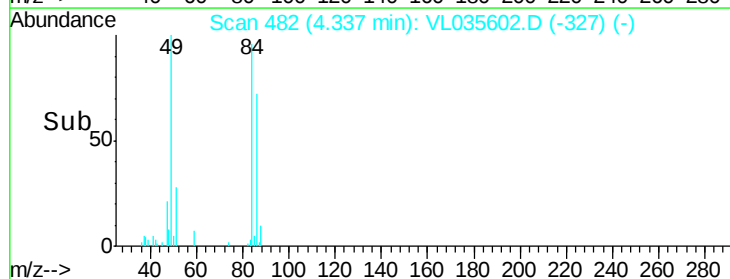
10000

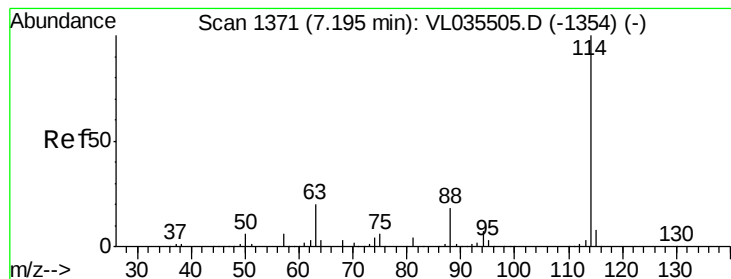
5000

0

4.30 4.34 4.35

Time-->





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

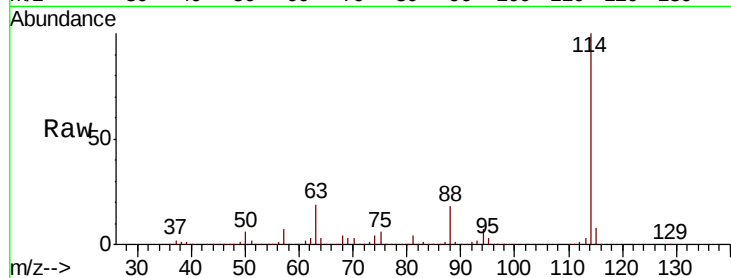
Tot Ion:114 Resp: 4641410

Ion Ratio Lower Upper

114 100

63 18.5 14.7 22.1

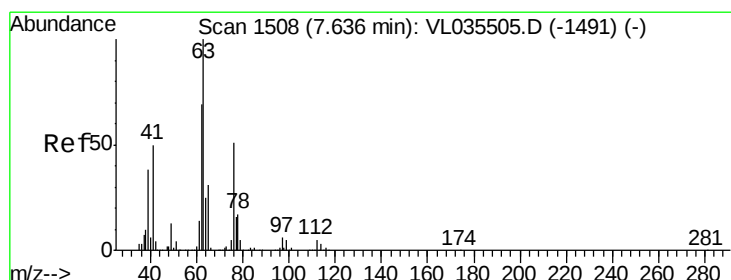
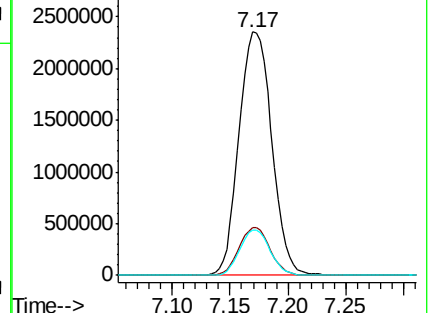
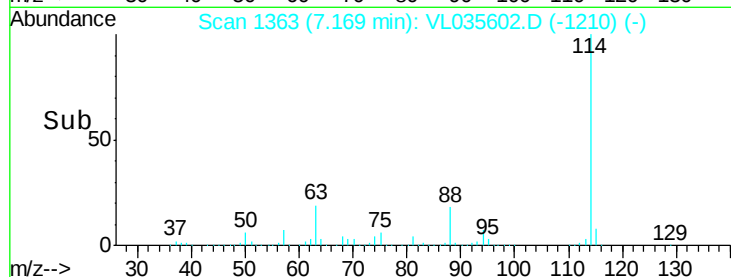
88 17.2 13.4 20.2



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: 8.409 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

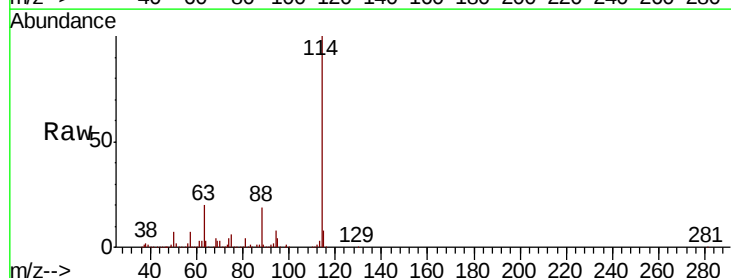
Tgt Ion: 63 Resp: 853440

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

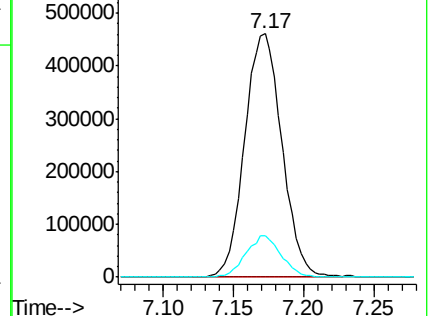
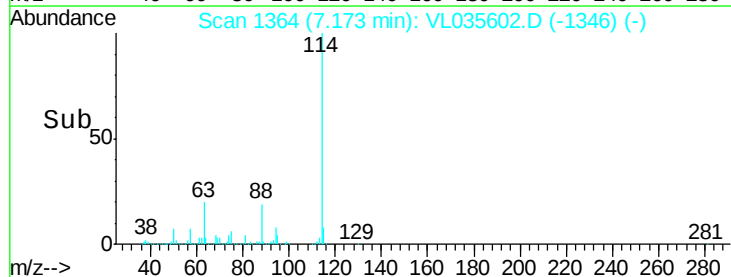
62 17.1 55.4 83.0#

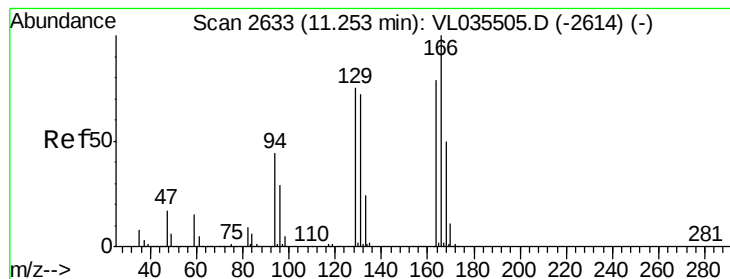


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.090 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 15757

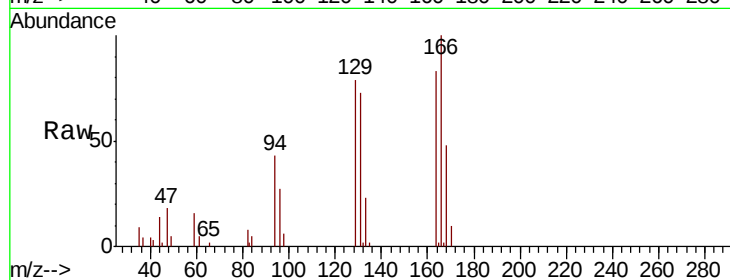
Ion Ratio Lower Upper

164 100

166 120.0 100.9 151.3

129 94.7 75.3 112.9

131 87.7 73.0 109.4

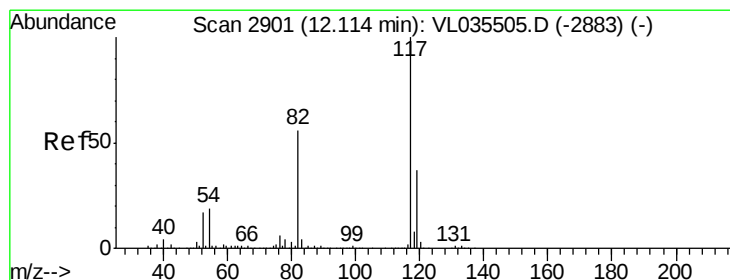
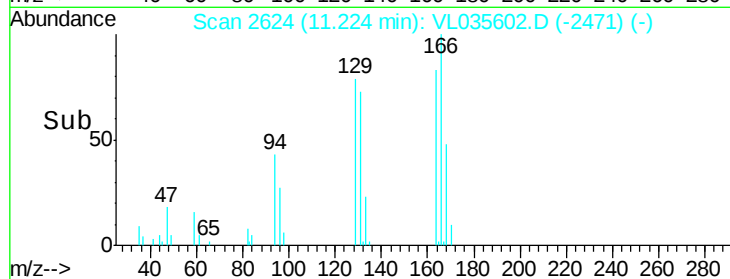
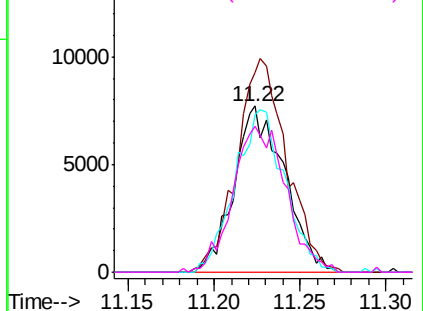


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

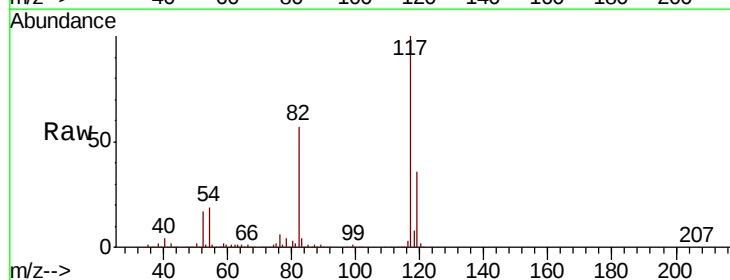
Tgt Ion:117 Resp: 4654437

Ion Ratio Lower Upper

117 100

82 55.6 41.6 62.4

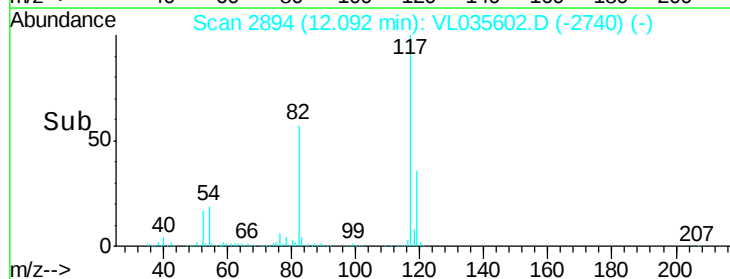
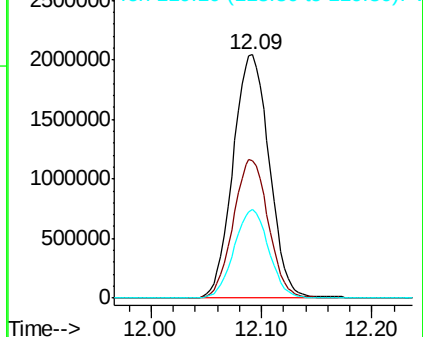
119 35.0 29.3 43.9

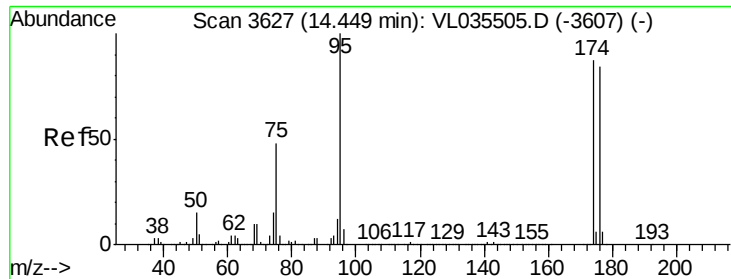


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.376 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL035602.D

Acq: 14 Sep 2020 17:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

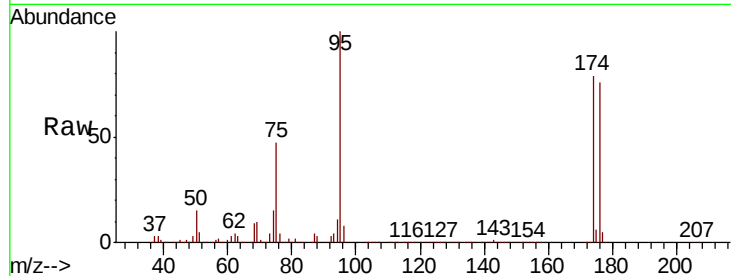
Tot Ion: 95 Resp: 3429649

Ion Ratio Lower Upper

95 100

174 80.9 69.6 104.4

175 5.9 5.1 7.7



Abundance Ion 95.10 (94.80 to 95.80): VL0

2000000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

