

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035677.D
 Acq On : 18 Sep 2020 8:50
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 18 14:51:05 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	5.67	49	1048182	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4115065	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4097796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2989216	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

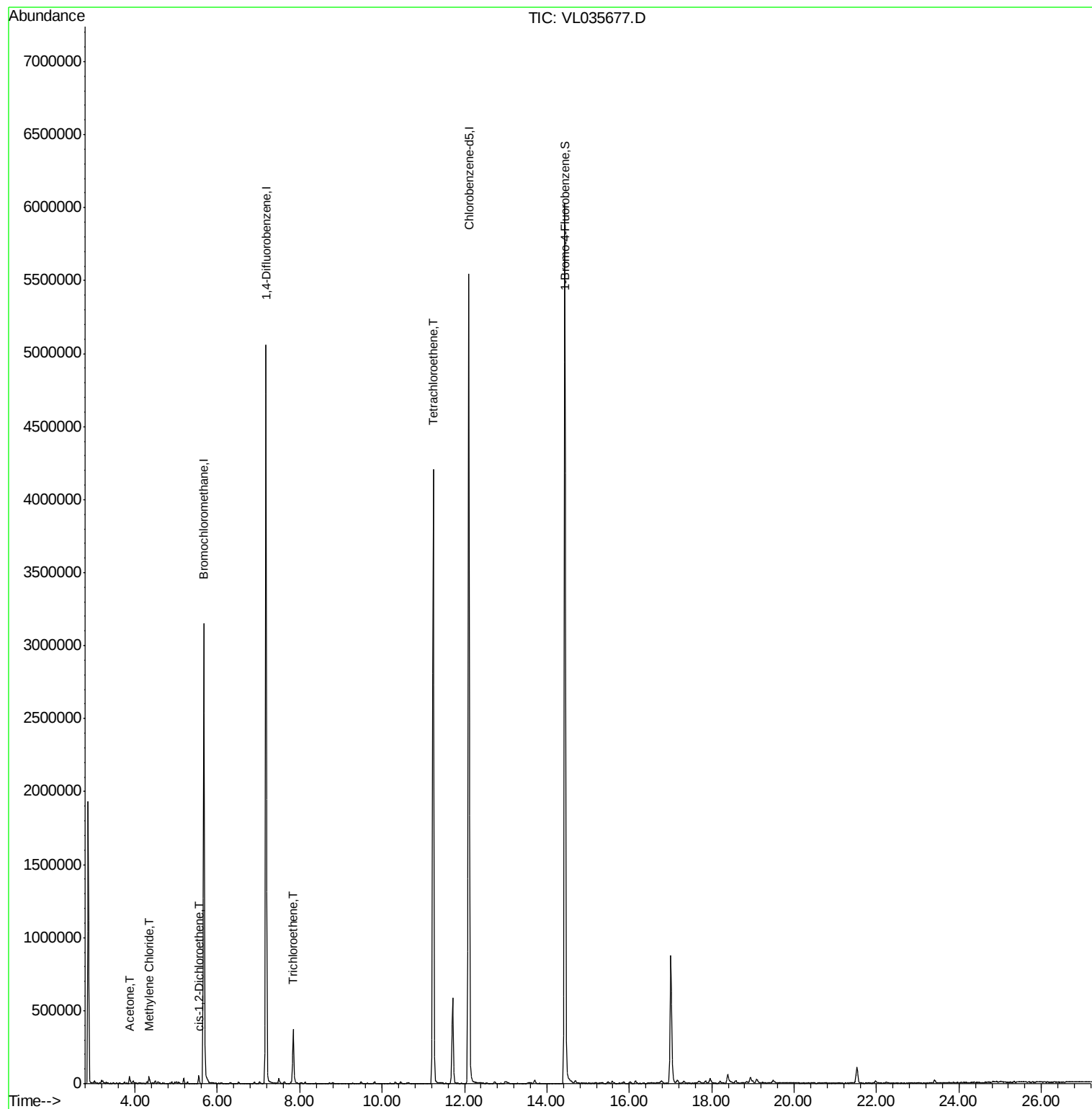
Target Compounds					Ovalue
15) Acetone	3.87	43	41129	0.356 ppbv	# 69
20) Methylene Chloride	4.34	84	19739	0.229 ppbv	95
31) cis-1,2-Dichloroethene	5.55	61	25313	0.213 ppbv	# 89
38) Trichloroethene	7.84	130	132457	0.856 ppbv	96
52) Tetrachloroethene	11.24	164	1166384	7.495 ppbv	98

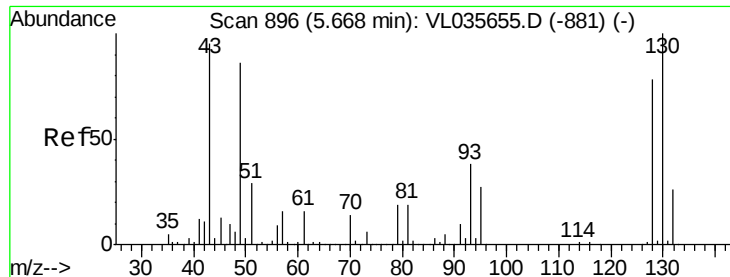
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035677.D

Acq: 18 Sep 2020 8:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

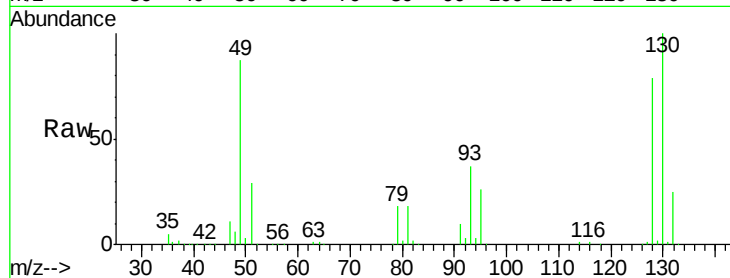
Tot Ion: 49 Resp: 1048182

Ion Ratio Lower Upper

49 100

128 90.2 50.0 150.1

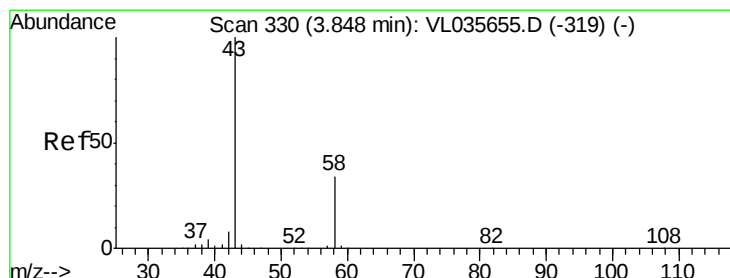
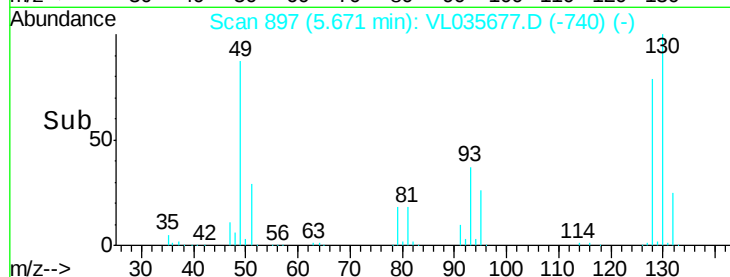
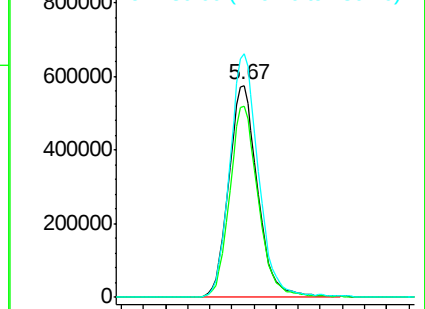
130 114.9 64.4 193.2



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: 0.356 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL035677.D

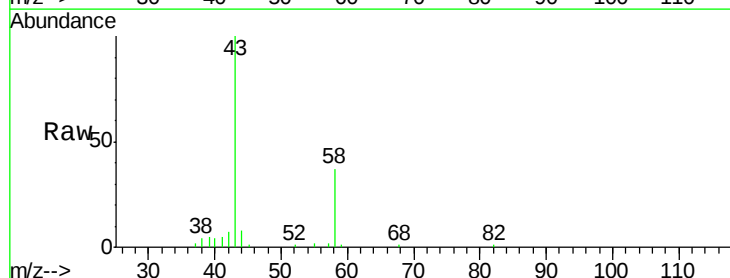
Acq: 18 Sep 2020 8:50

Tgt Ion: 43 Resp: 41129

Ion Ratio Lower Upper

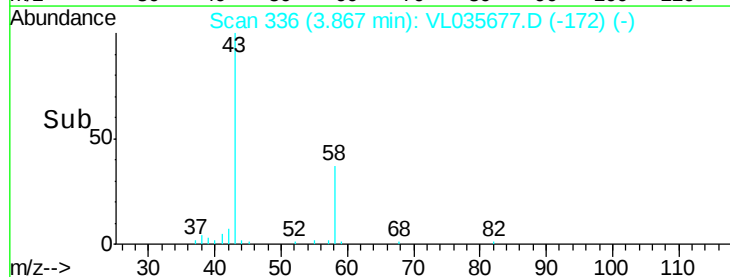
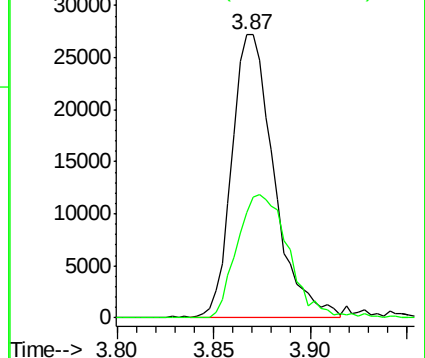
43 100

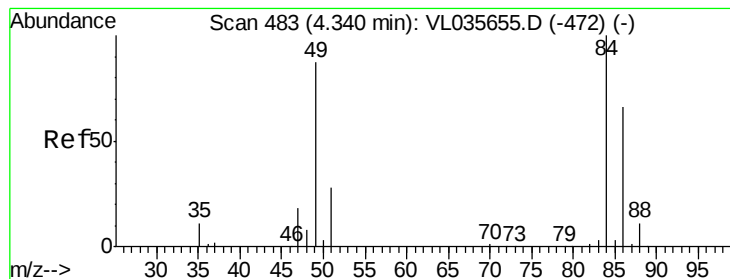
58 53.4 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.229 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL035677.D

Acq: 18 Sep 2020 8:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 84 Resp: 19739

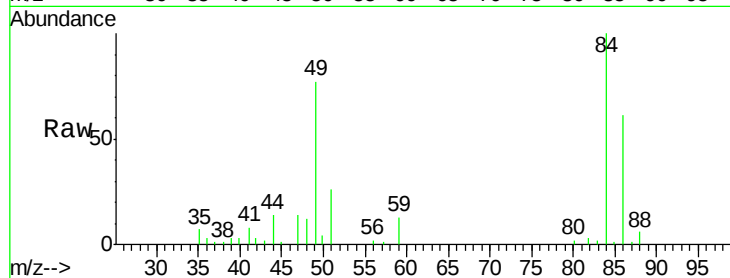
Ion Ratio Lower Upper

84 100

49 77.1 65.4 98.0

51 25.7 21.5 32.3

86 61.4 52.9 79.3

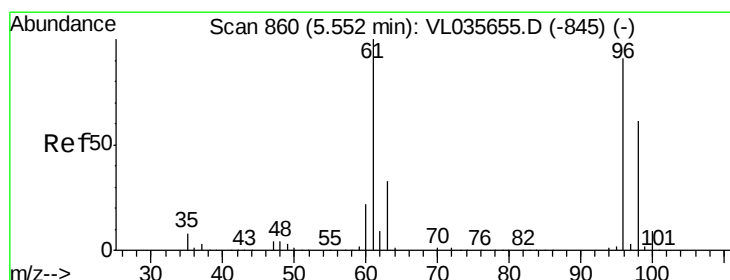
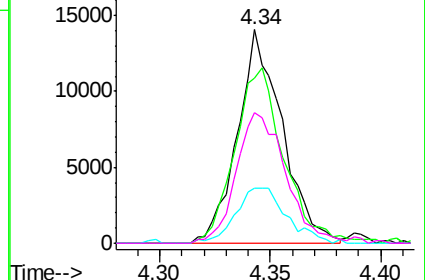
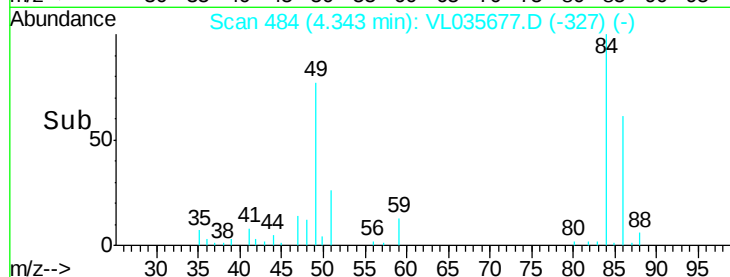


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#31

cis-1,2-Dichloroethene

Concen: 0.213 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL035677.D

Acq: 18 Sep 2020 8:50

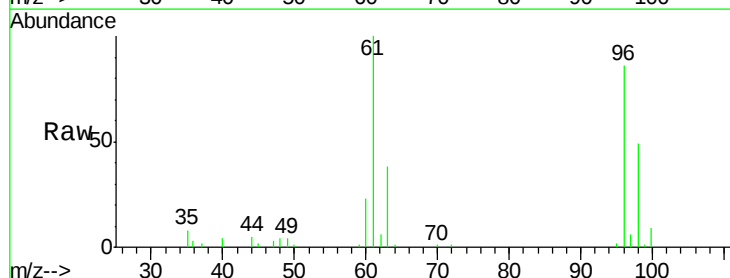
Tgt Ion: 61 Resp: 25313

Ion Ratio Lower Upper

61 100

96 86.0 74.4 111.6

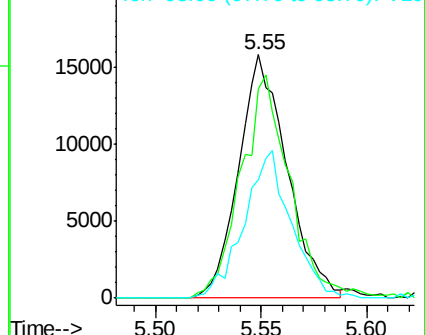
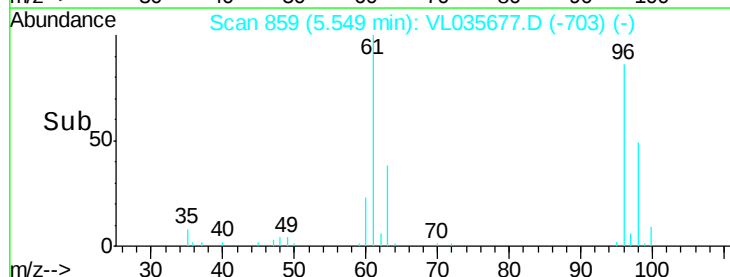
98 48.5 49.2 73.8#

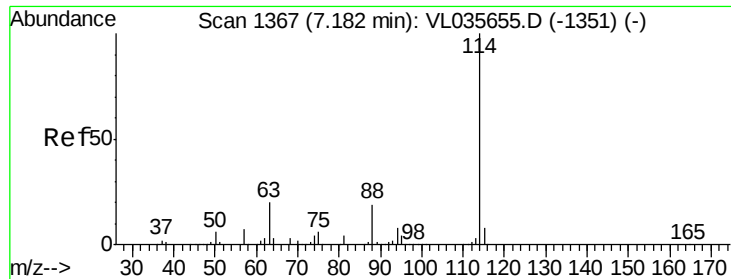


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

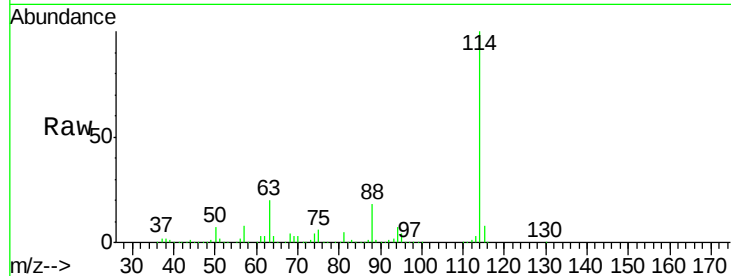




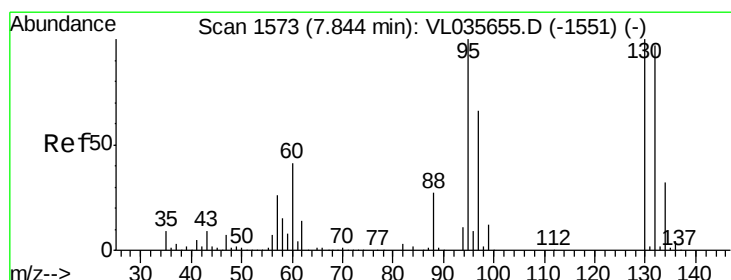
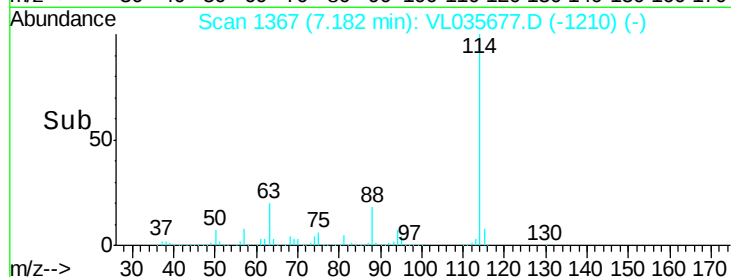
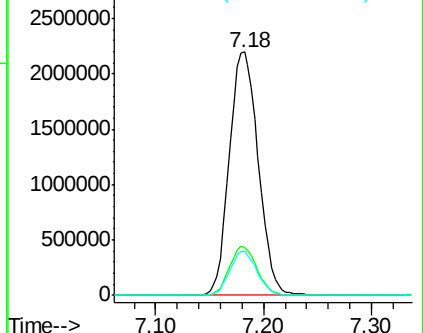
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035677.D
 Acq: 18 Sep 2020 8:50

Instrument :
 MSVOA_L
 ClientSampled :
 VIBLK

Tot Ion:114 Resp: 4115065
 Ion Ratio Lower Upper
 114 100
 63 19.1 14.7 22.1
 88 17.1 13.4 20.2

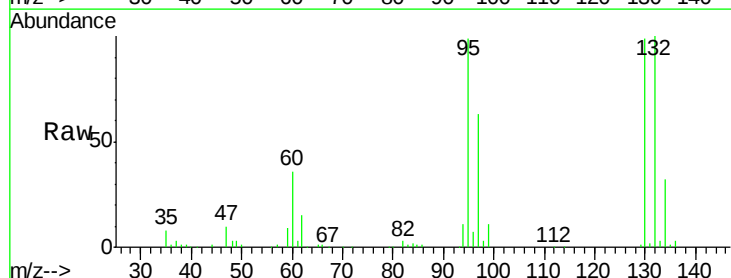


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

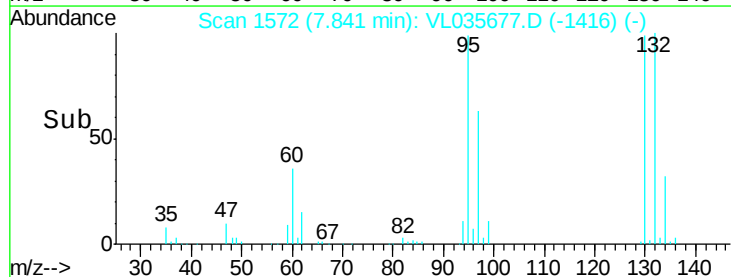
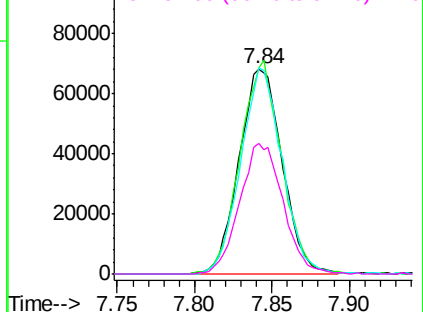


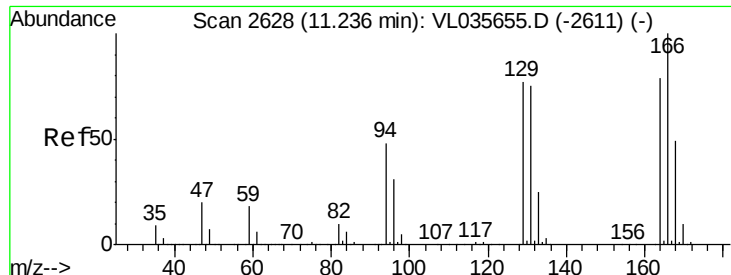
#38
 Trichloroethene
 Concen: 0.856 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035677.D
 Acq: 18 Sep 2020 8:50

Tgt Ion:130 Resp: 132457
 Ion Ratio Lower Upper
 130 100
 95 100.3 74.6 112.0
 132 100.8 77.6 116.4
 97 63.5 50.6 76.0



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 7.495 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL035677.D

Acq: 18 Sep 2020 8:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 1166384

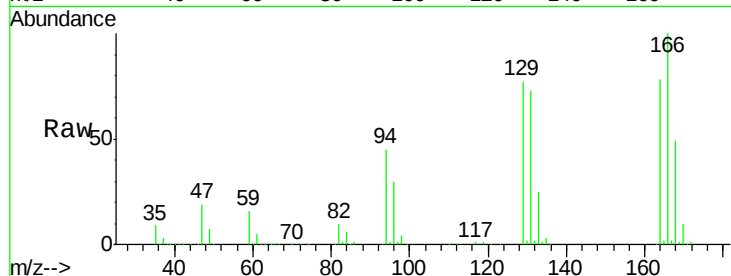
Ion Ratio Lower Upper

164 100

166 127.8 100.9 151.3

129 97.9 75.3 112.9

131 92.9 73.0 109.4

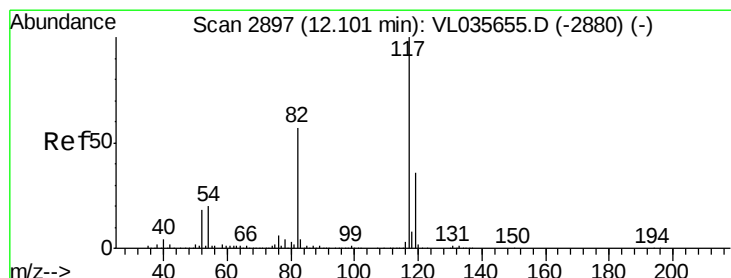
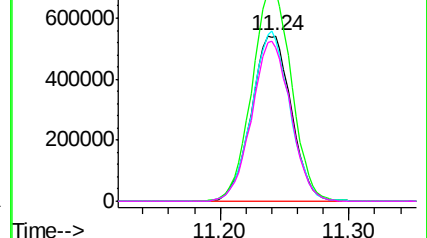
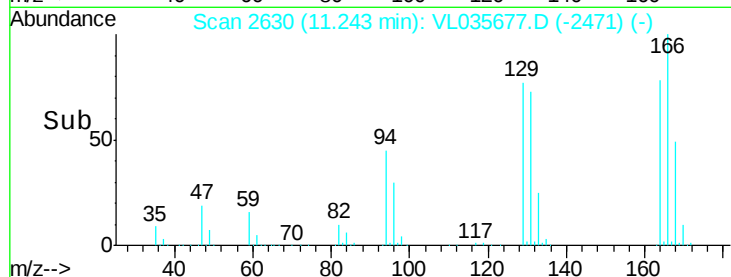


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL035677.D

Acq: 18 Sep 2020 8:50

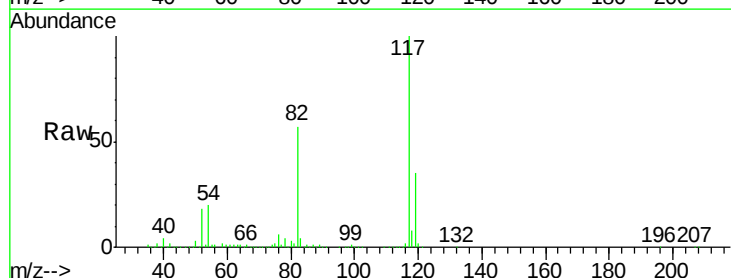
Tgt Ion:117 Resp: 4097796

Ion Ratio Lower Upper

117 100

82 56.8 41.6 62.4

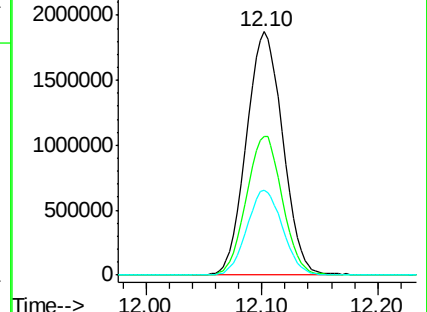
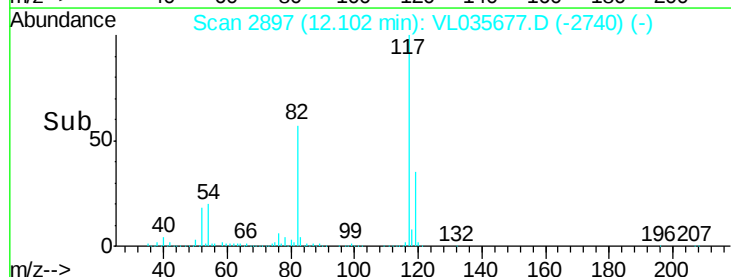
119 34.4 29.3 43.9

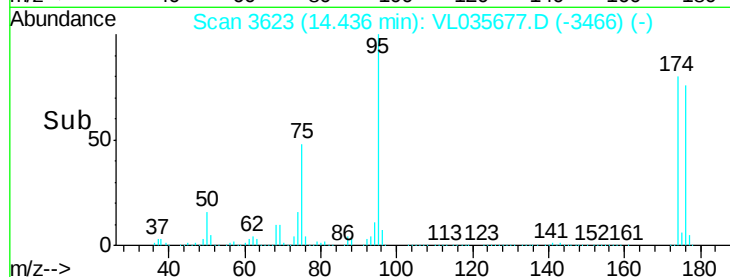
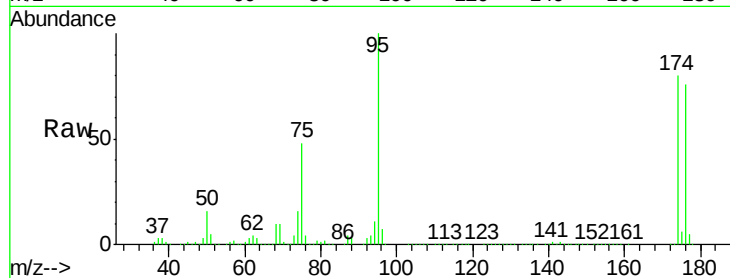
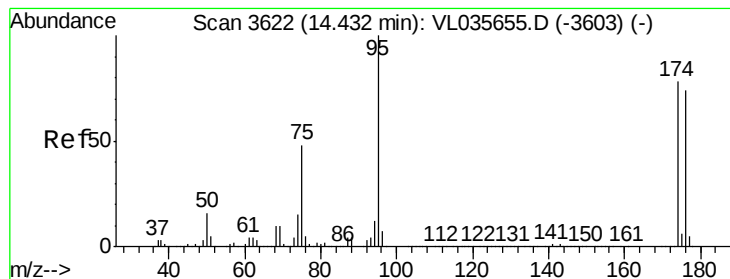


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.272 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL035677.D

Acq: 18 Sep 2020 8:50

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2989216

Ion Ratio Lower Upper

95 100

174 78.5 69.6 104.4

175 5.6 5.1 7.7

