

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035605.D
 Acq On : 14 Sep 2020 19:08
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:42:07 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	1070473	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4598610	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4607976	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3389780	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

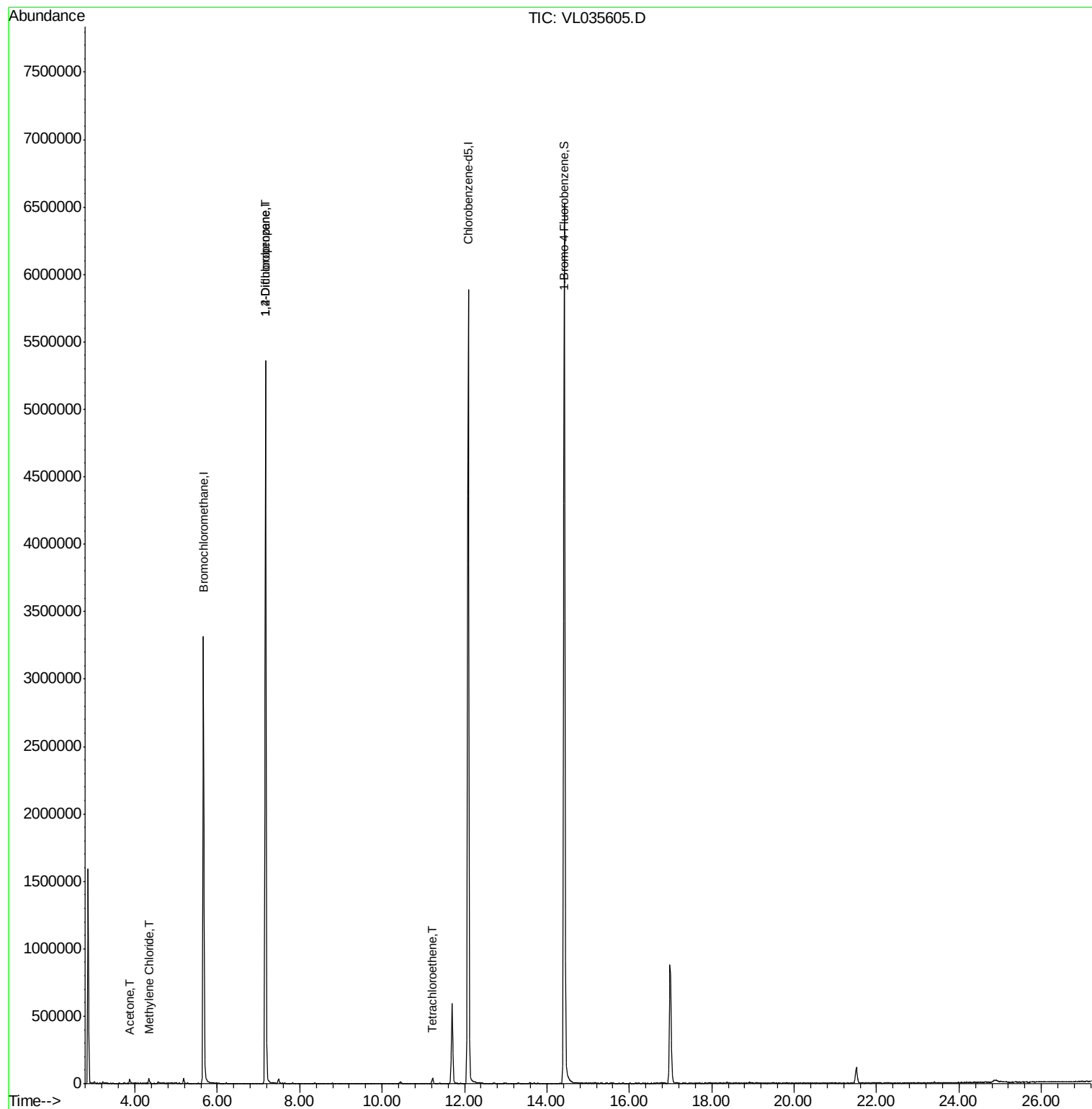
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	21924	0.186	ppbv #	36
20) Methylene Chloride	4.34	84	15717	0.179	ppbv	93
39) 1,2-Dichloropropane	7.17	63	844300	8.396	ppbv #	32
52) Tetrachloroethene	11.22	164	6216	0.036	ppbv	88

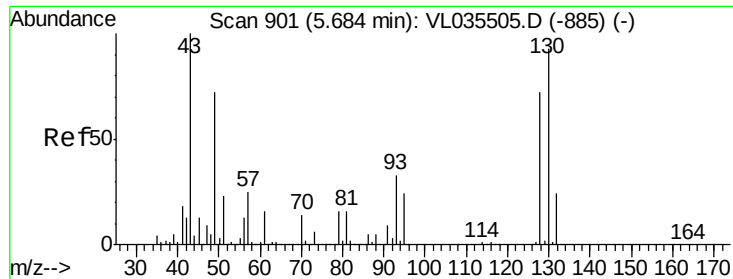
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035605.D

Acq: 14 Sep 2020 19:08

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

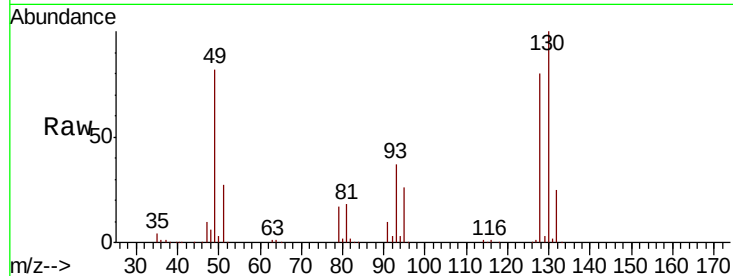
Tot Ion: 49 Resp: 1070473

Ion Ratio Lower Upper

49 100

128 95.5 50.0 150.1

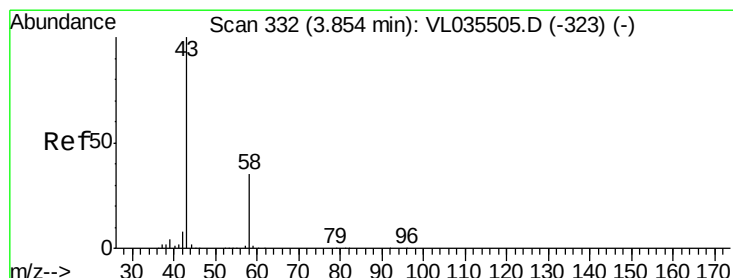
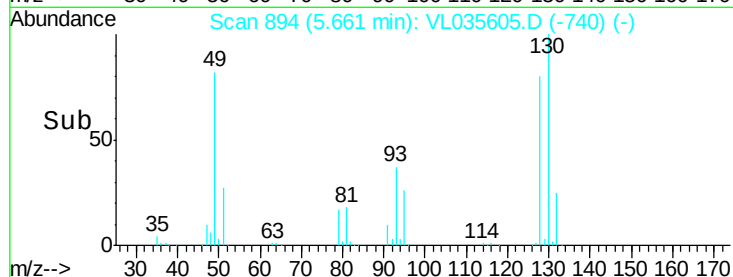
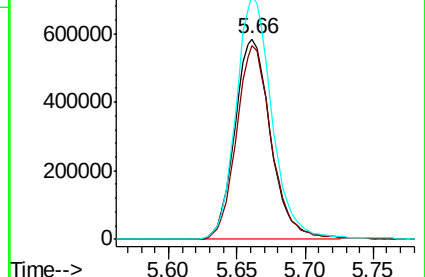
130 122.4 64.4 193.2



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: 0.186 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.04 min

Lab File: VL035605.D

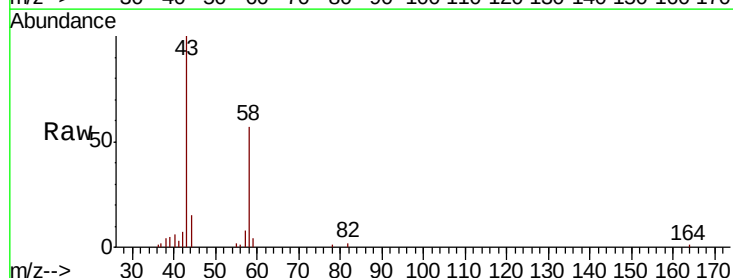
Acq: 14 Sep 2020 19:08

Tgt Ion: 43 Resp: 21924

Ion Ratio Lower Upper

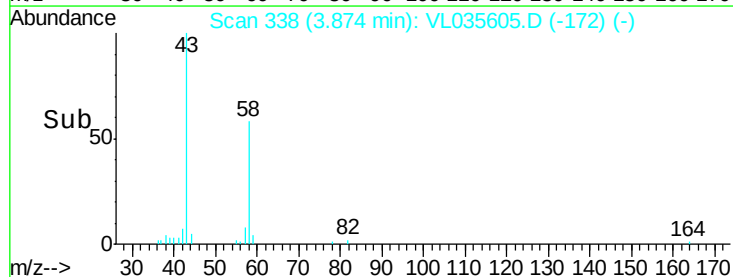
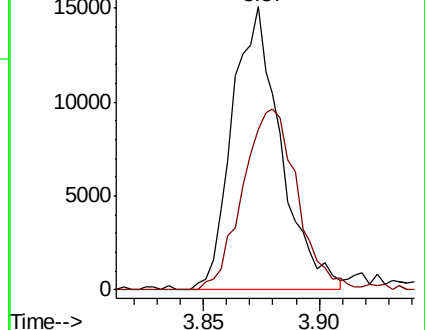
43 100

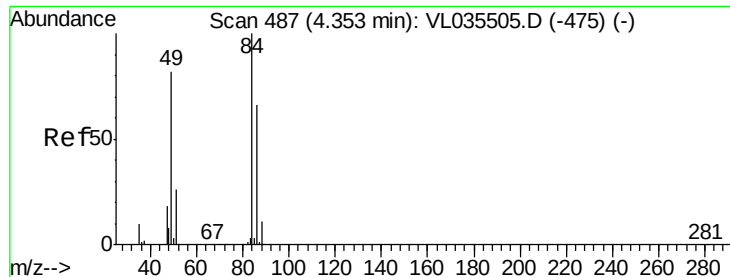
58 72.7 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

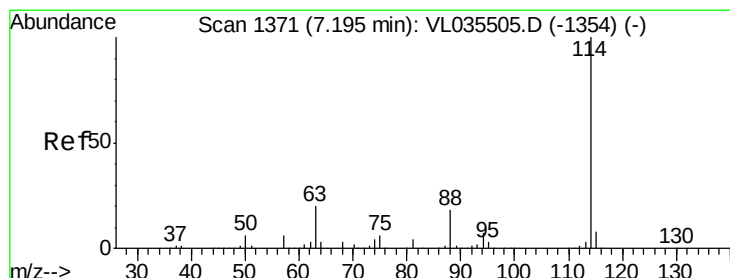
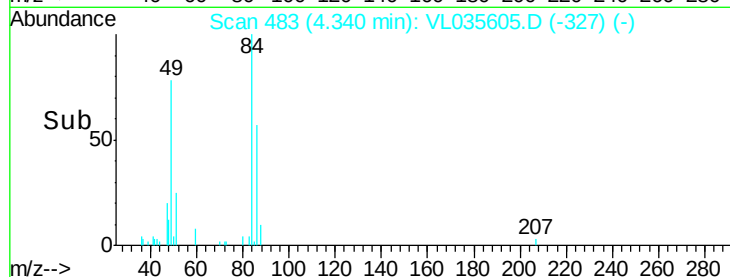
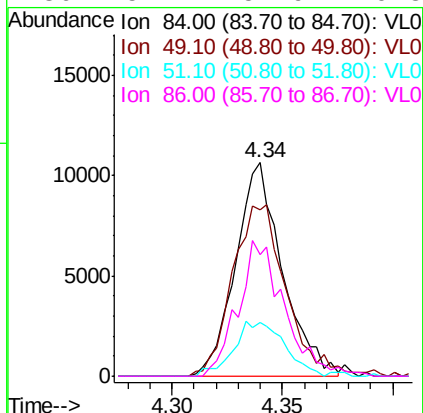
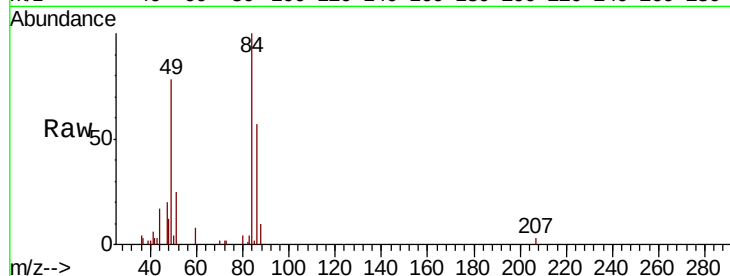




#20
Methylene Chloride
Concen: 0.179 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL035605.D
Acq: 14 Sep 2020 19:08

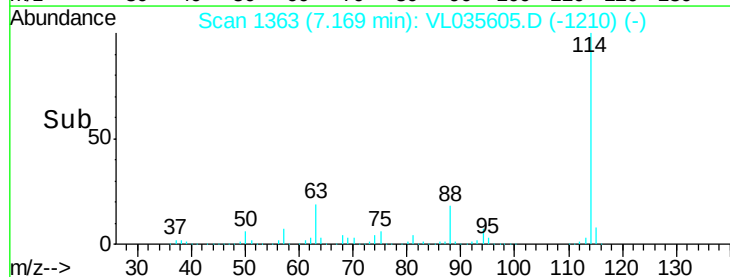
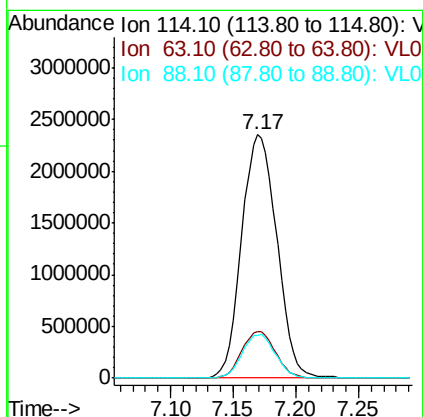
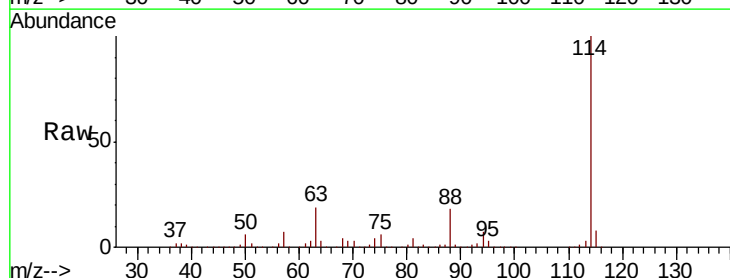
Instrument :
MSVOA_L
ClientSampled :
VIBLK

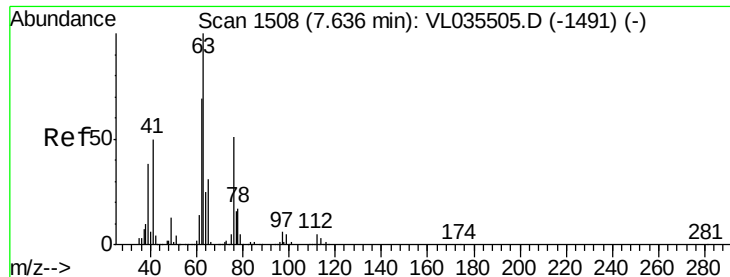
Tot Ion:	84	Resp:	15717
Ion	Ratio	Lower	Upper
84	100		
49	77.7	65.4	98.0
51	25.0	21.5	32.3
86	57.1	52.9	79.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035605.D
Acq: 14 Sep 2020 19:08

Tgt Ion:	114	Resp:	4598610
Ion	Ratio	Lower	Upper
114	100		
63	18.5	14.7	22.1
88	17.0	13.4	20.2





#39

1,2-Dichloropropane

Concen: 8.396 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL035605.D

Acq: 14 Sep 2020 19:08

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

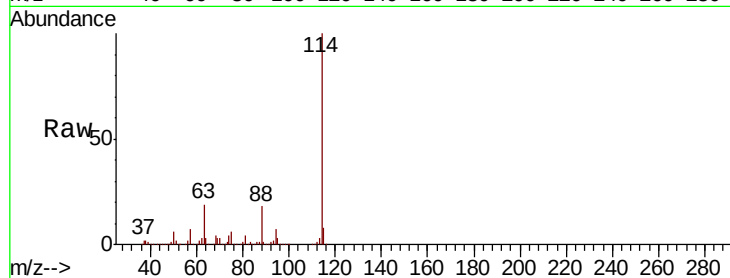
Tot Ion: 63 Resp: 844300

Ion Ratio Lower Upper

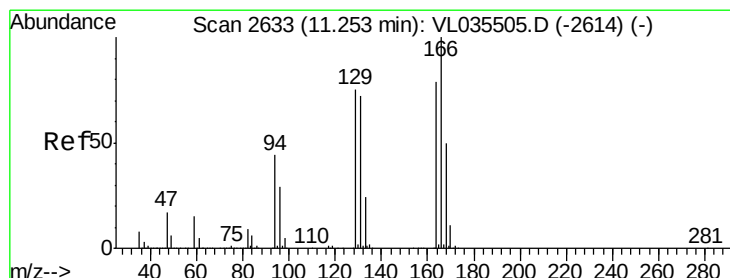
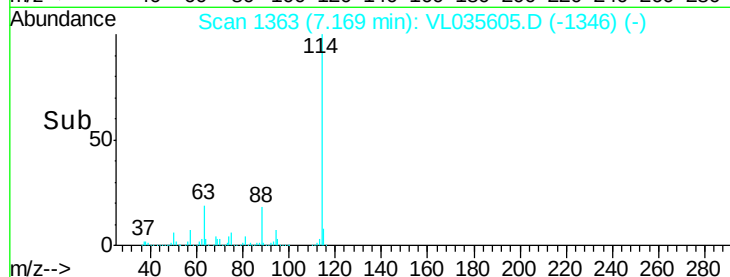
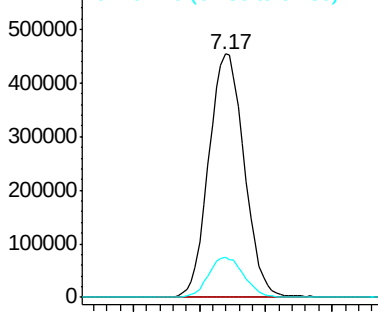
63 100

41 0.1 40.0 60.0#

62 16.4 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: 0.036 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL035605.D

Acq: 14 Sep 2020 19:08

Tgt Ion: 164 Resp: 6216

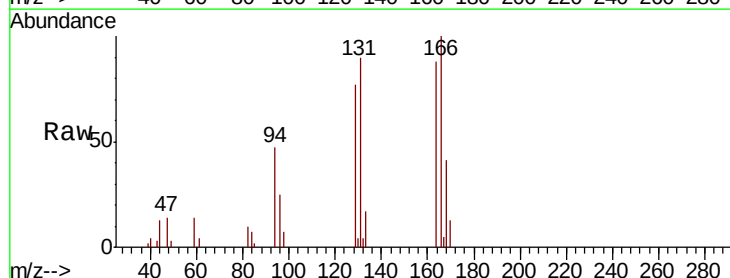
Ion Ratio Lower Upper

164 100

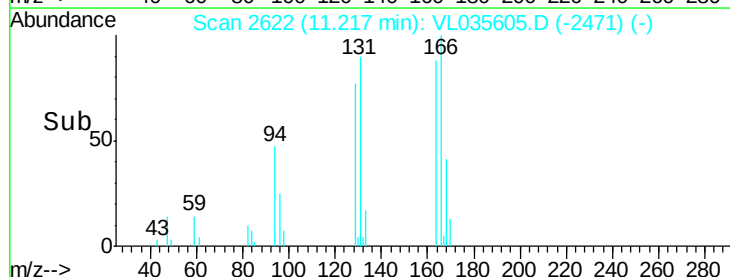
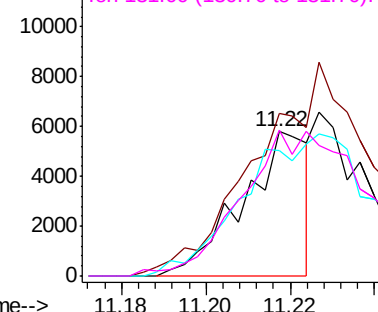
166 106.6 100.9 151.3

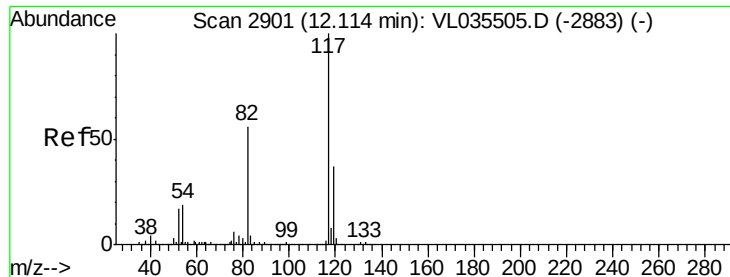
129 83.9 75.3 112.9

131 98.1 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

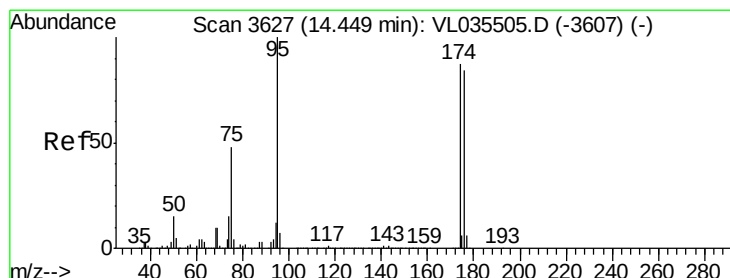
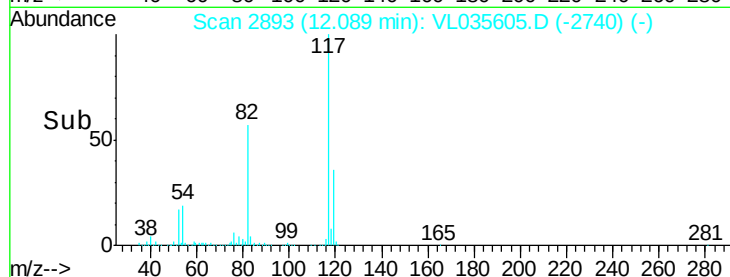
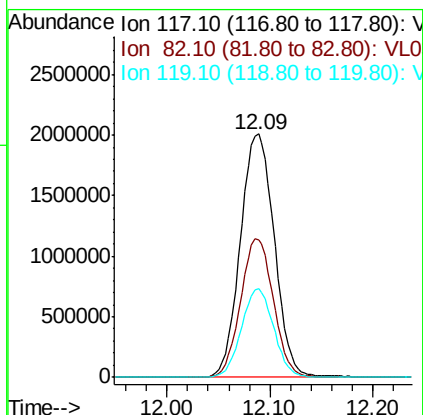
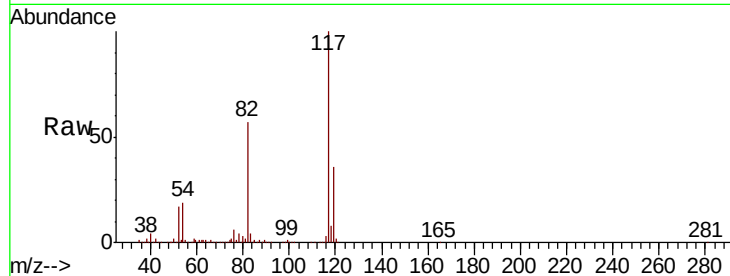




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035605.D
Acq: 14 Sep 2020 19:08

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 4607976
Ion Ratio Lower Upper
117 100
82 55.4 41.6 62.4
119 34.9 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.359 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL035605.D
Acq: 14 Sep 2020 19:08

Tgt Ion: 95 Resp: 3389780
Ion Ratio Lower Upper
95 100
174 80.5 69.6 104.4
175 5.7 5.1 7.7

