

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035617.D
 Acq On : 15 Sep 2020 2:41
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:45:26 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	5.65	49	990092	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4309561	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4354643	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3190702	10.32	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

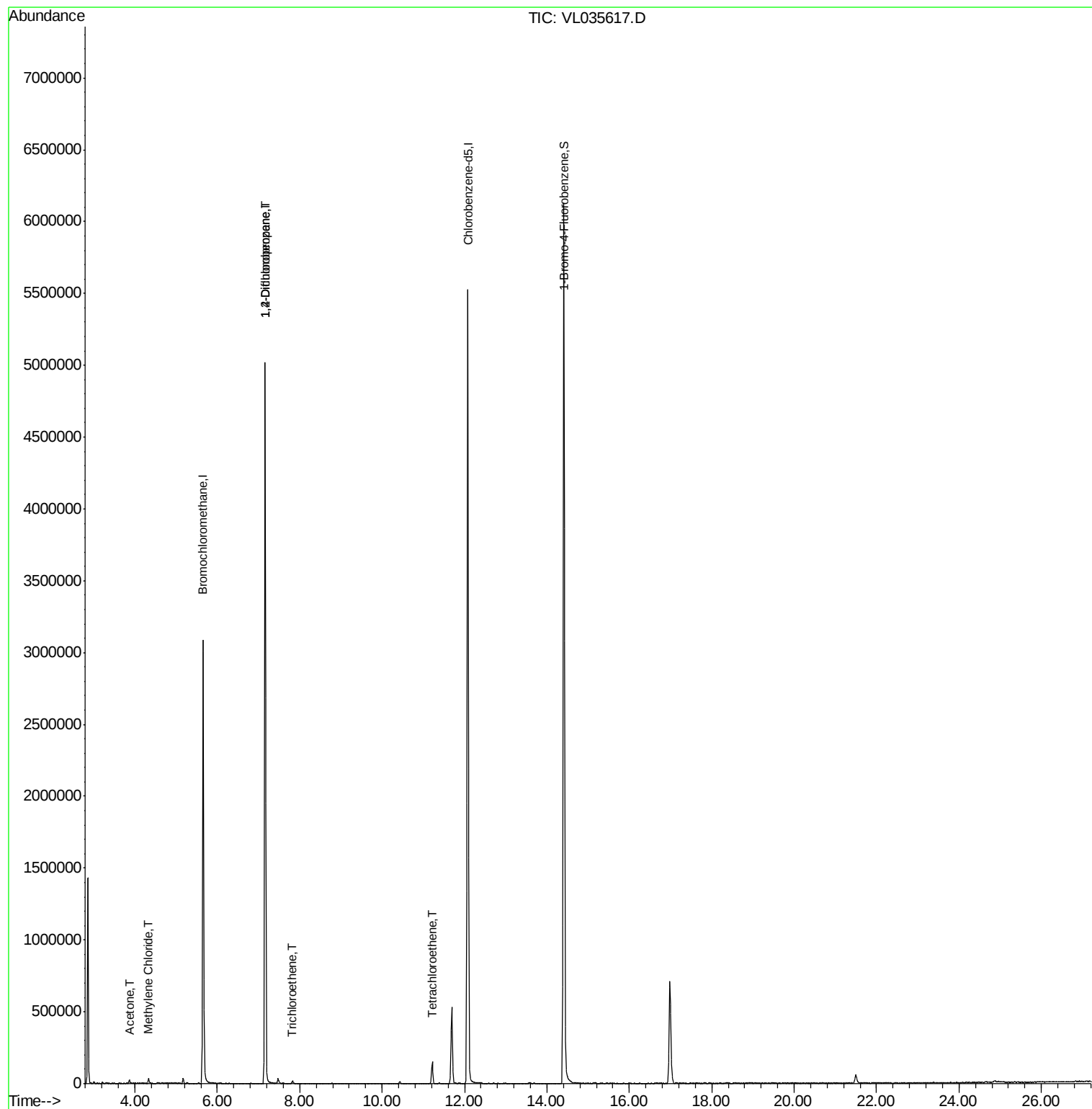
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	18822	0.172	ppbv #	30
20) Methylene Chloride	4.33	84	7431	0.091	ppbv	89
38) Trichloroethene	7.82	130	6171	0.038	ppbv #	80
39) 1,2-Dichloropropane	7.16	63	778649	8.263	ppbv #	33
52) Tetrachloroethene	11.21	164	45684	0.280	ppbv	88

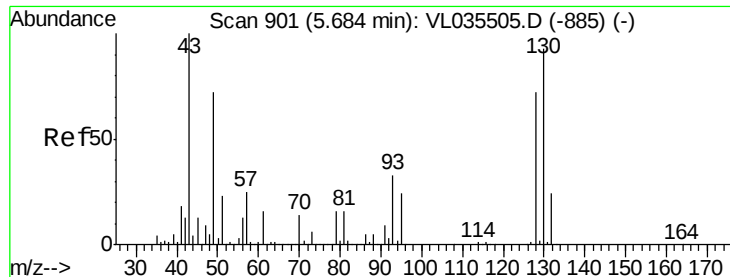
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL035617.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

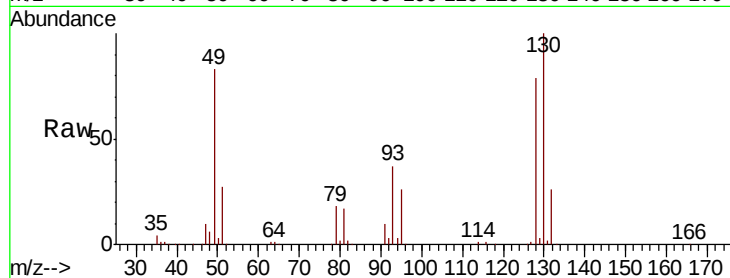
Tot Ion: 49 Resp: 990092

Ion Ratio Lower Upper

49 100

128 96.8 50.0 150.1

130 124.0 64.4 193.2

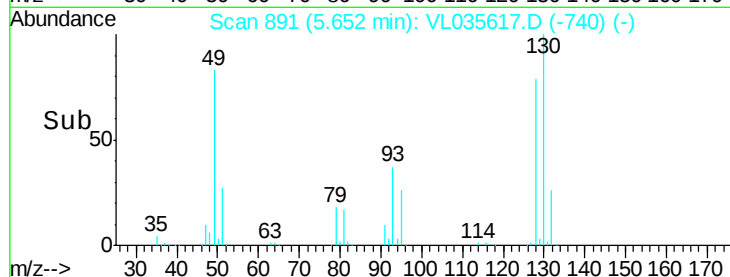


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->

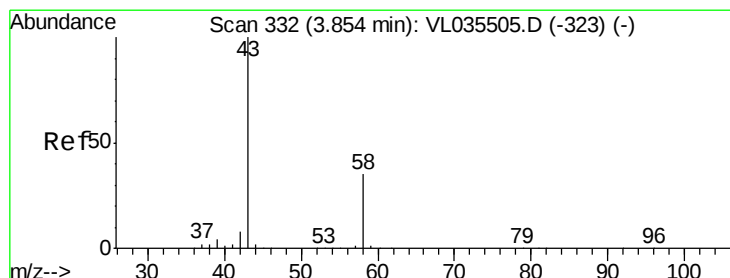


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#15

Acetone

Concen: 0.172 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL035617.D

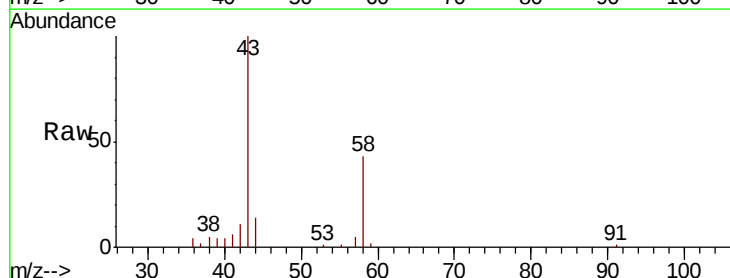
Acq: 15 Sep 2020 2:41

Tgt Ion: 43 Resp: 18822

Ion Ratio Lower Upper

43 100

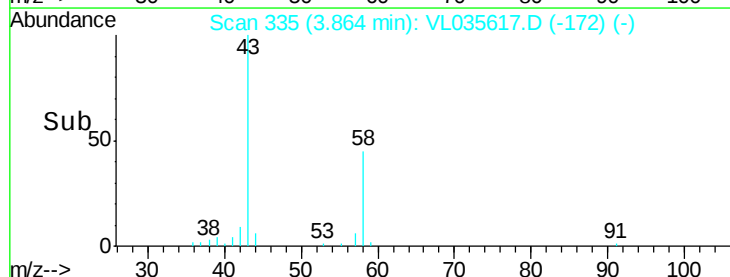
58 76.1 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

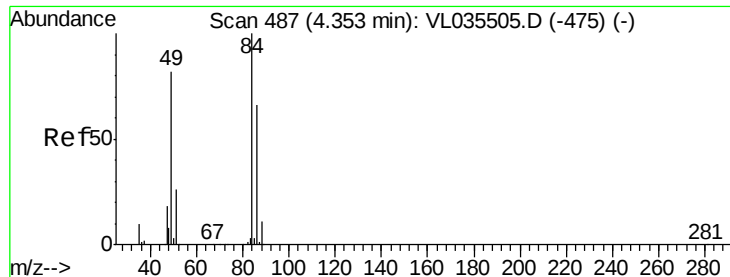
Time-->



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

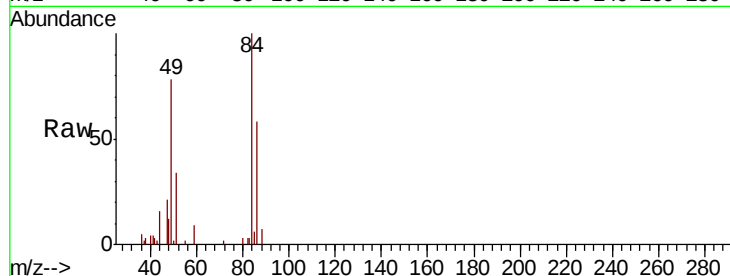
Time-->



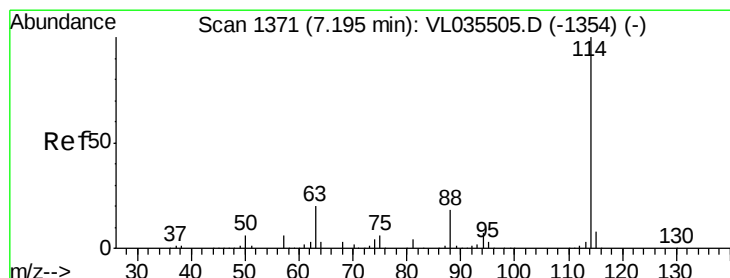
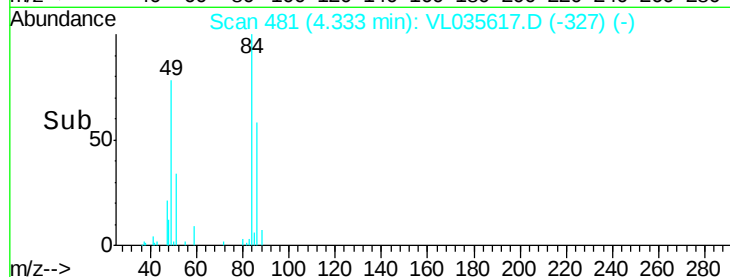
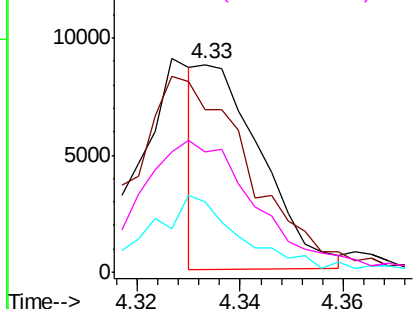
#20
Methvlene Chloride
Concen: 0.091 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL035617.D
Acq: 15 Sep 2020 2:41

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tot Ion:	84	Resp:	7431
Ion	Ratio	Lower	Upper
84	100		
49	73.9	65.4	98.0
51	31.5	21.5	32.3
86	54.7	52.9	79.3

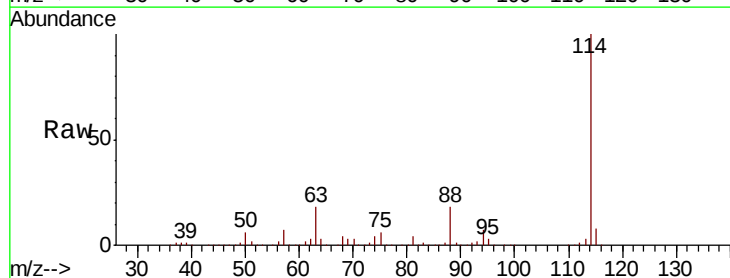


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

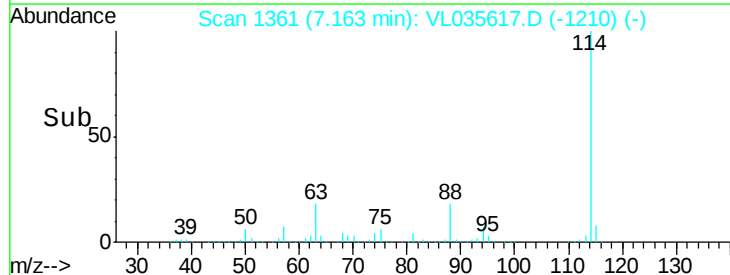
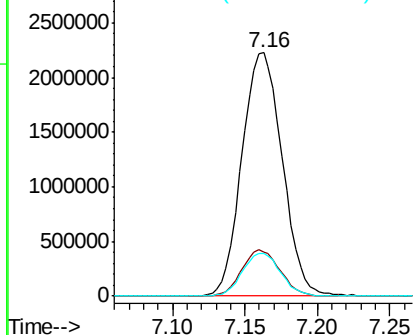


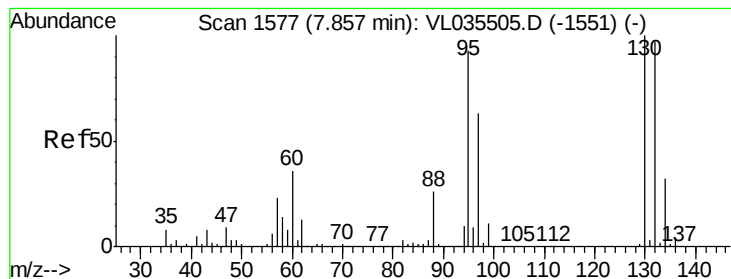
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL035617.D
Acq: 15 Sep 2020 2:41

Tgt Ion:	114	Resp:	4309561
Ion	Ratio	Lower	Upper
114	100		
63	18.1	14.7	22.1
88	16.9	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: 0.038 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL035617.D

Acq: 15 Sep 2020 2:41

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:130 Resp: 6171

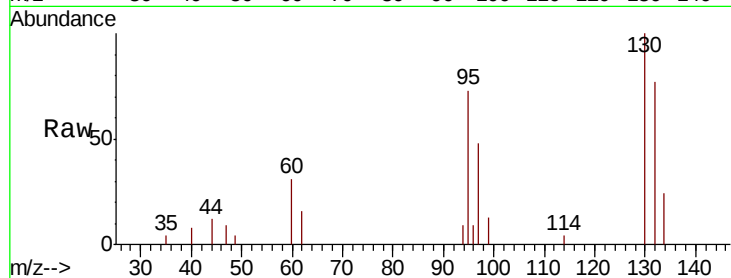
Ion Ratio Lower Upper

130 100

95 72.5 74.6 112.0#

132 77.5 77.6 116.4#

97 48.0 50.6 76.0#

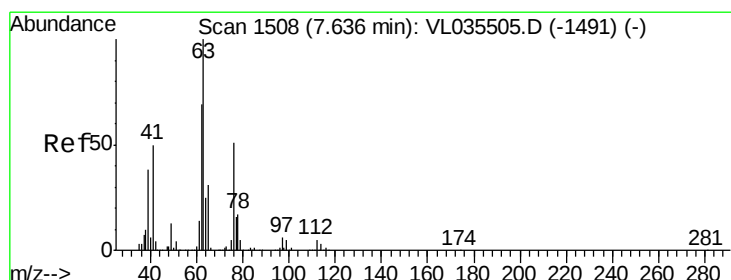
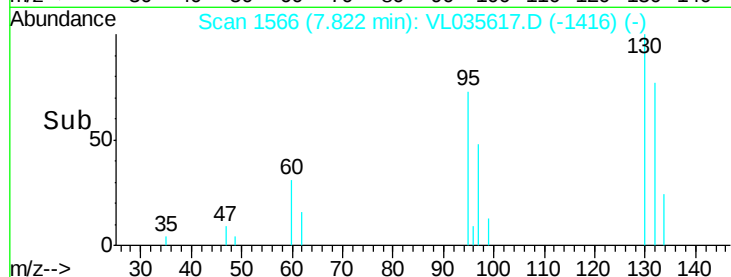
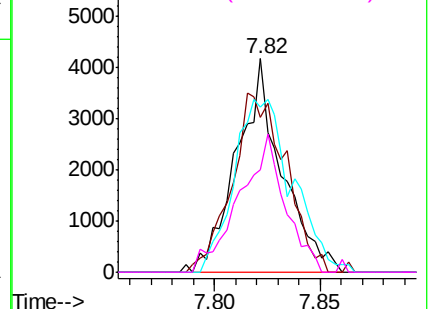


Abundance Ion 130.00 (129.70 to 130.70): V

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



#39

1,2-Dichloropropane

Concen: 8.263 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL035617.D

Acq: 15 Sep 2020 2:41

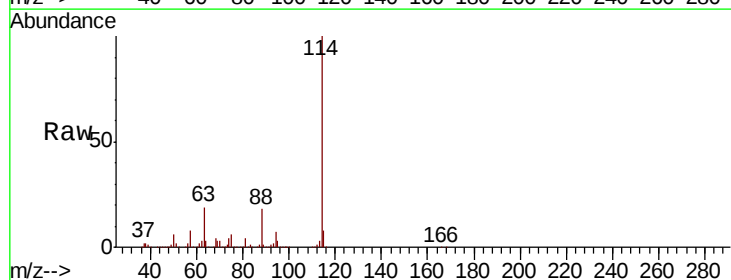
Tgt Ion: 63 Resp: 778649

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

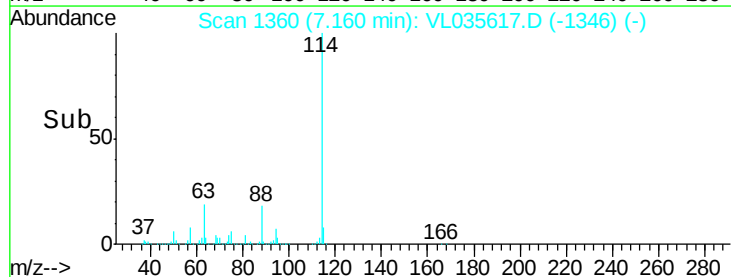
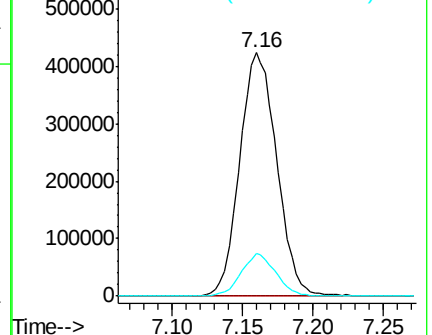
62 17.6 55.4 83.0#

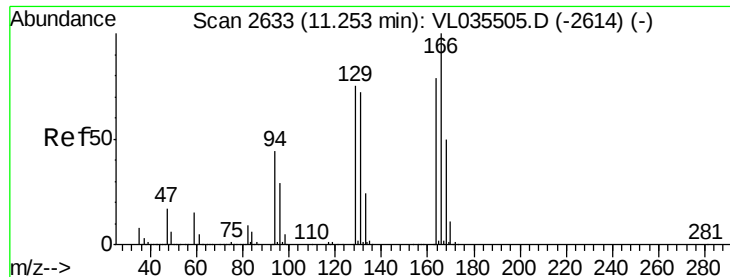


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.280 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL035617.D

Acq: 15 Sep 2020 2:41

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:164 Resp: 45684

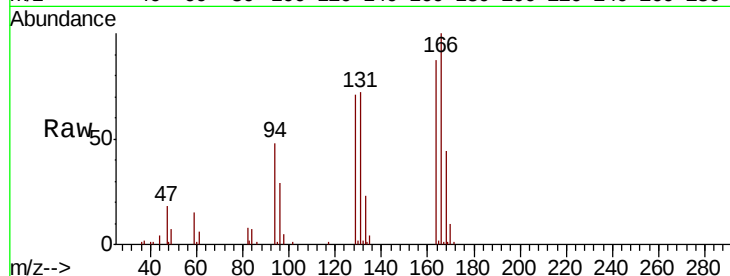
Ion Ratio Lower Upper

164 100

166 113.4 100.9 151.3

129 79.8 75.3 112.9

131 82.2 73.0 109.4

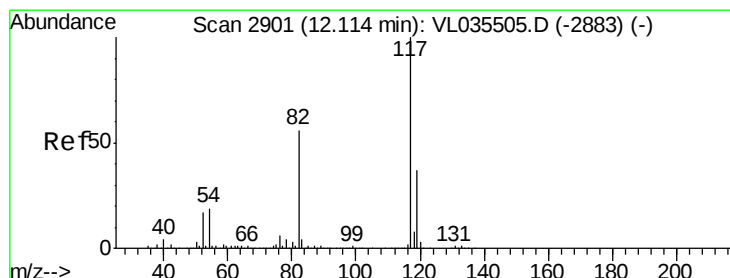
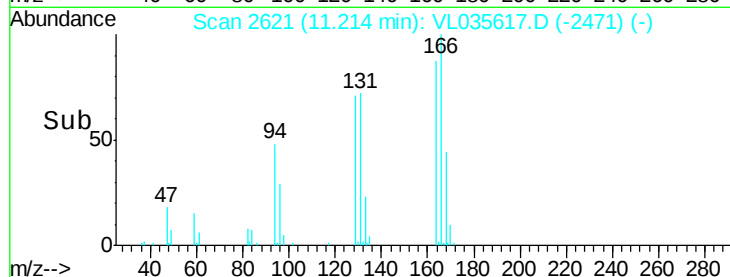
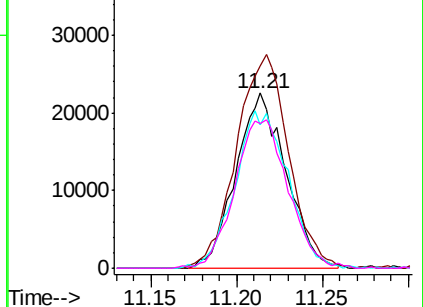


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.08 min Scan# 2890

Delta R.T. -0.02 min

Lab File: VL035617.D

Acq: 15 Sep 2020 2:41

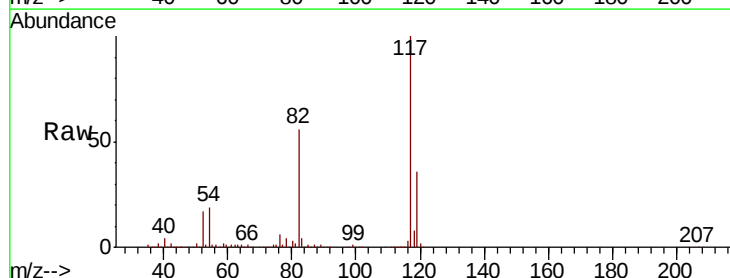
Tgt Ion:117 Resp: 4354643

Ion Ratio Lower Upper

117 100

82 55.2 41.6 62.4

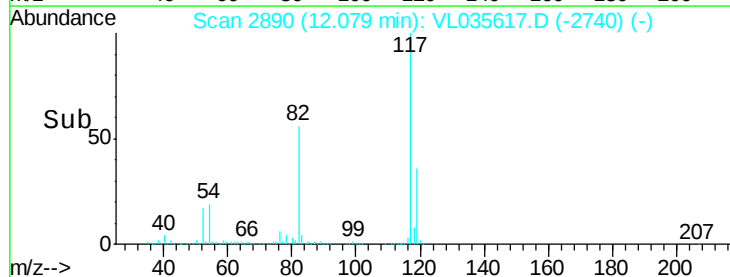
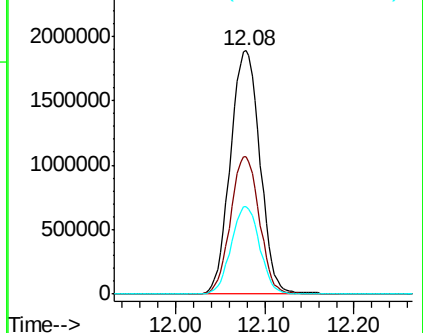
119 34.8 29.3 43.9

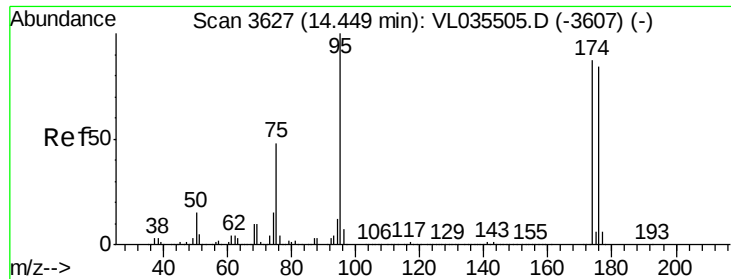


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.318 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.02 min
 Lab File: VL035617.D
 Acq: 15 Sep 2020 2:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion: 95 Resp: 3190702
 Ion Ratio Lower Upper
 95 100
 174 81.0 69.6 104.4
 175 5.8 5.1 7.7

