

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034437.D
 Acq On : 2 Dec 2019 22:00
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Dec 03 02:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	782791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1559695	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1484417	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1273988	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

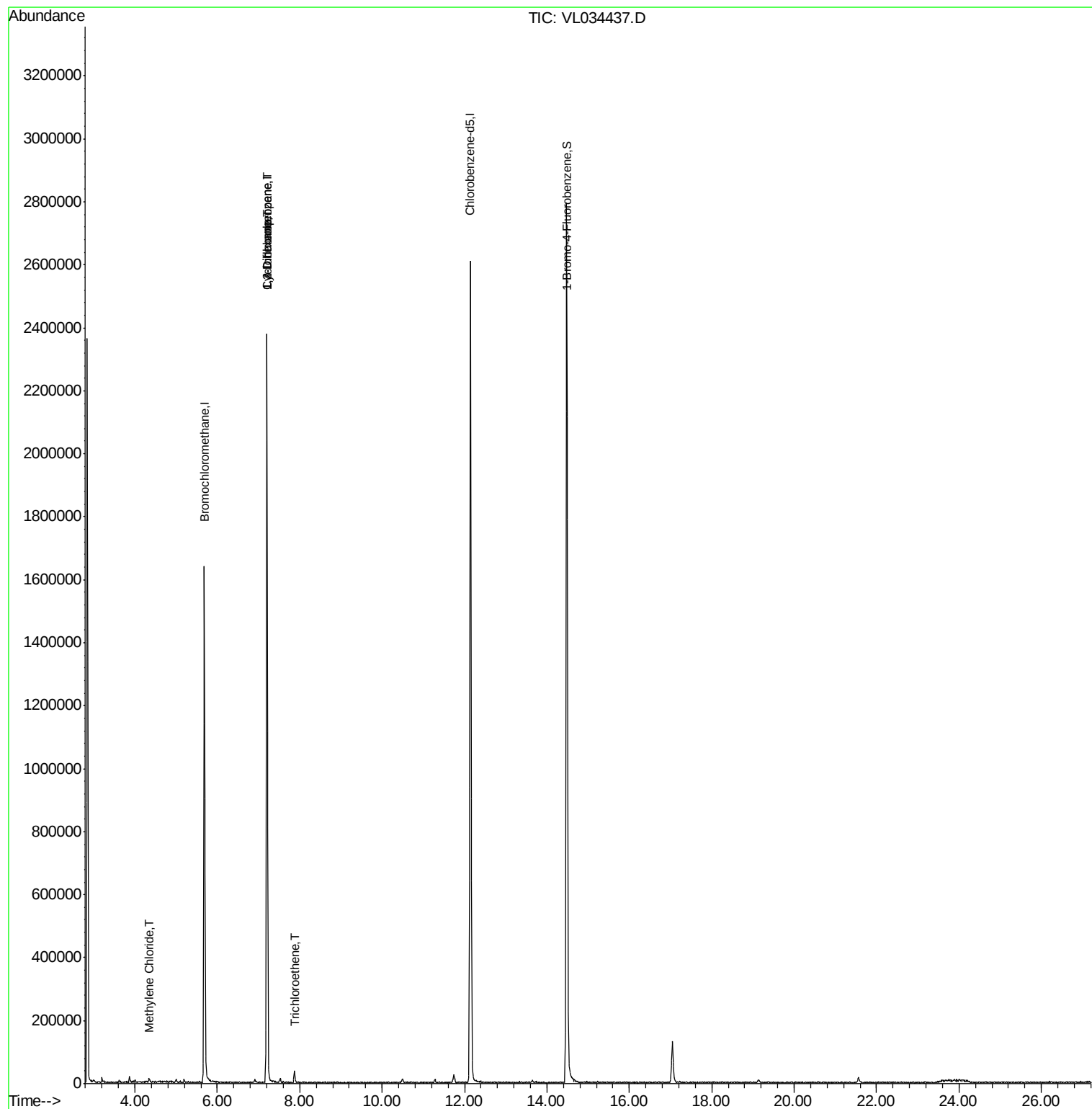
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.34	84	3162	0.080	ppbv #	75
30) Cyclohexane	7.20	84	2380	0.037	ppbv #	1
38) Trichloroethene	7.88	130	9088	0.142	ppbv #	75
39) 1,2-Dichloropropane	7.20	63	454708	7.570	ppbv #	23

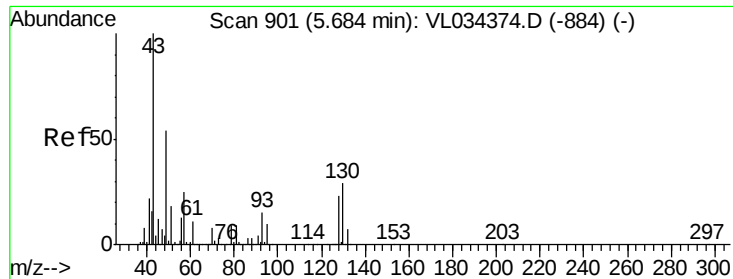
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034437.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

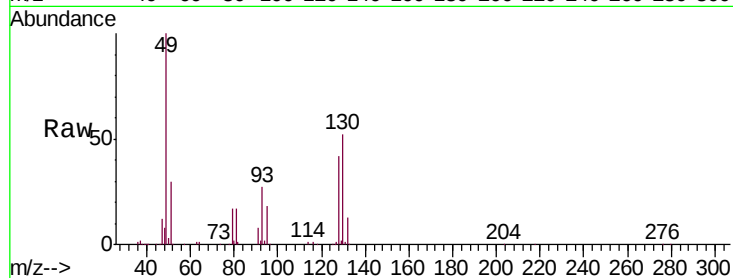
Tgt Ion: 49 Resp: 782791

Ion Ratio Lower Upper

49 100

128 43.5 21.8 65.3

130 55.8 28.0 84.0



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

600000

500000

400000

300000

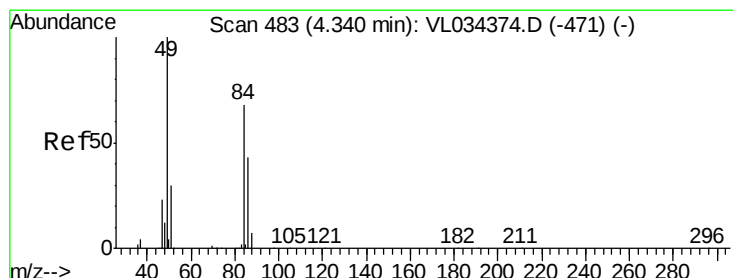
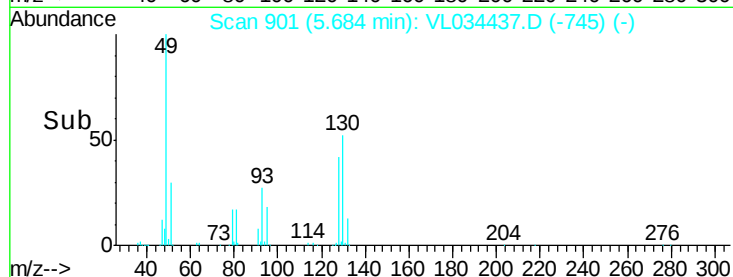
200000

100000

0

5.60 5.65 5.70 5.75

Time-->



#20

Methylene Chloride

Concen: 0.080 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL034437.D

Acq: 2 Dec 2019 22:00

Tgt Ion: 84 Resp: 3162

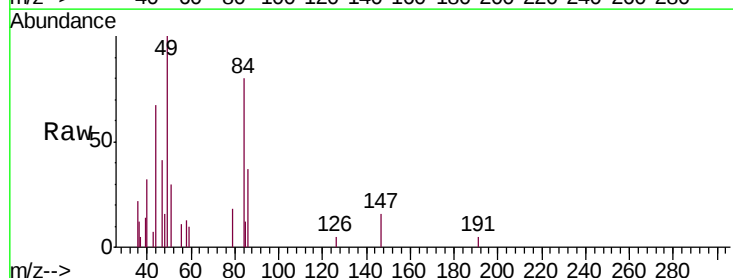
Ion Ratio Lower Upper

84 100

49 108.6 116.8 175.2#

51 37.3 35.6 53.4

86 46.7 50.7 76.1#



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

5000

4000

3000

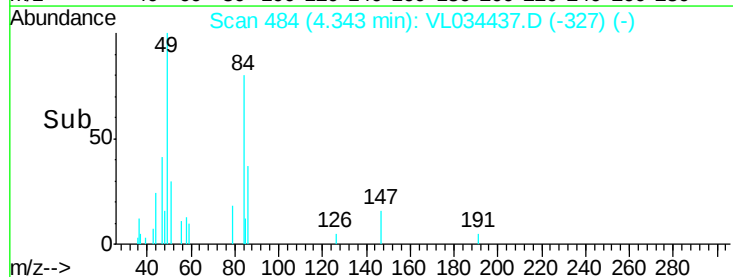
2000

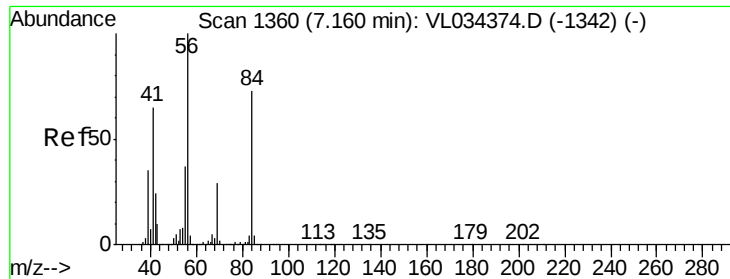
1000

0

4.32 4.34 4.36

Time-->

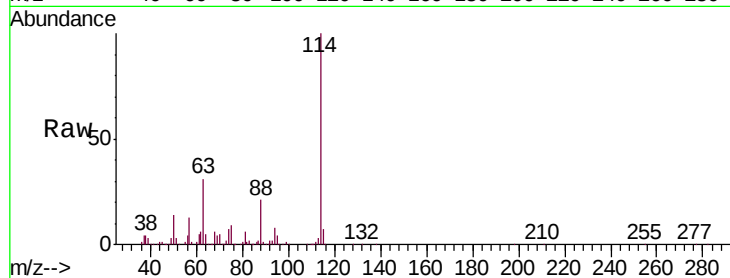




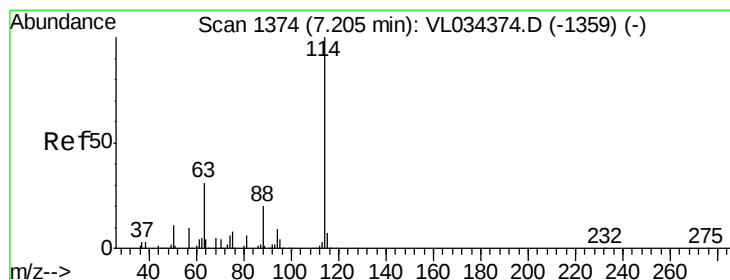
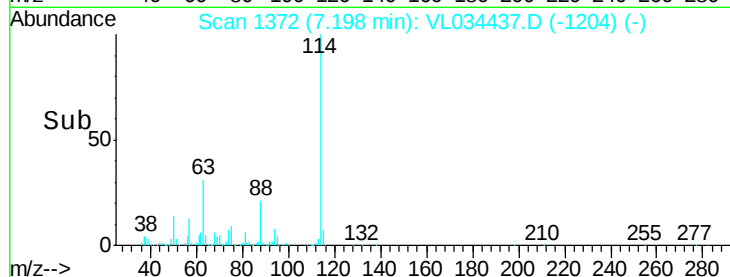
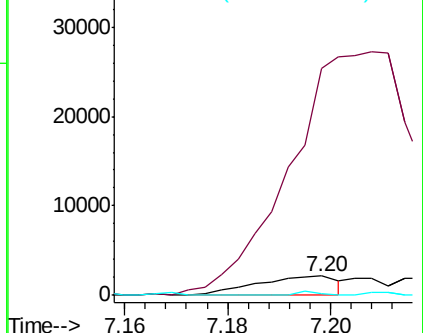
#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.04 min
Lab File: VL034437.D
Acq: 2 Dec 2019 22:00

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 2380
Ion Ratio Lower Upper
84 100
56 0.0 112.6 169.0#
41 11.1 73.4 110.2#

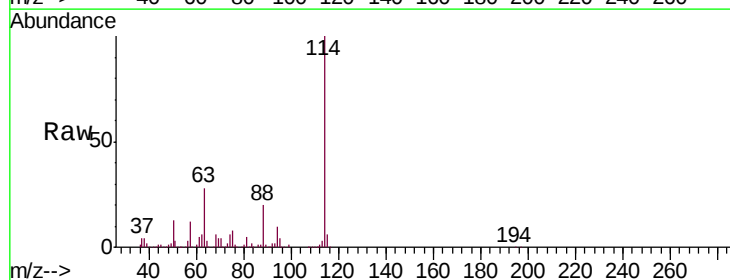


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

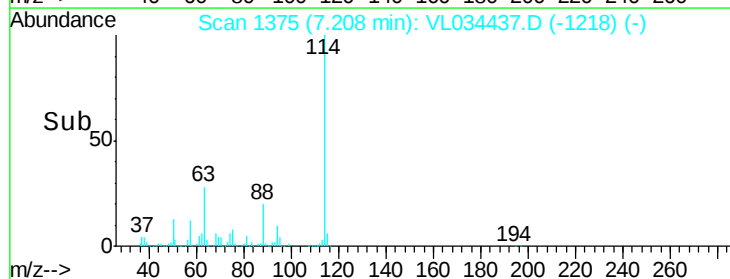
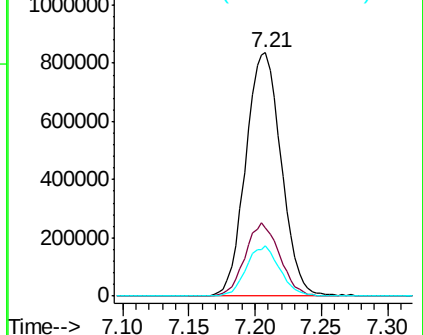


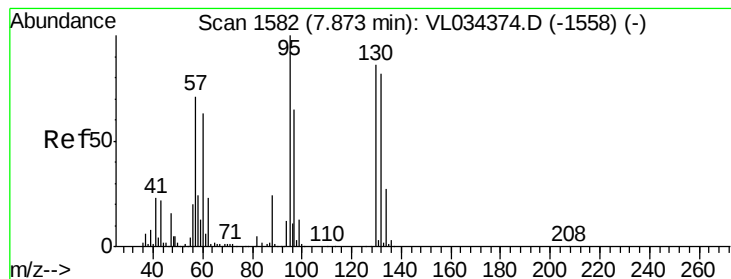
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VL034437.D
Acq: 2 Dec 2019 22:00

Tgt Ion: 114 Resp: 1559695
Ion Ratio Lower Upper
114 100
63 29.4 24.2 36.4
88 19.4 15.9 23.9



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: 0.142 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034437.D

Acq: 2 Dec 2019 22:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion:130 Resp: 9088

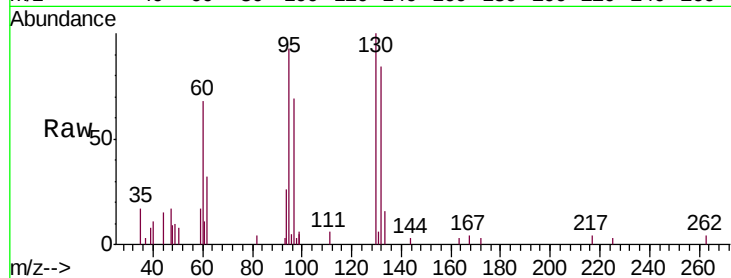
Ion Ratio Lower Upper

130 100

95 82.9 93.4 140.0#

132 69.2 76.4 114.6#

97 64.7 61.1 91.7

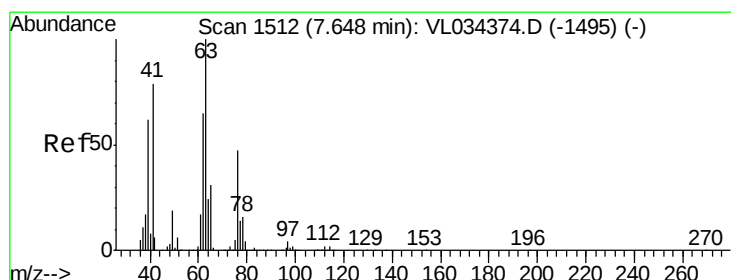
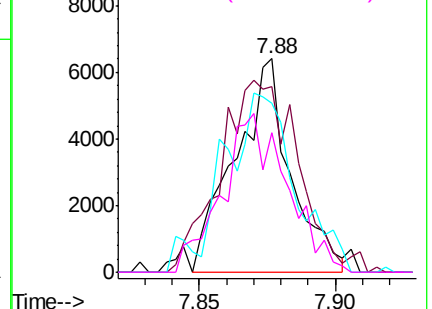
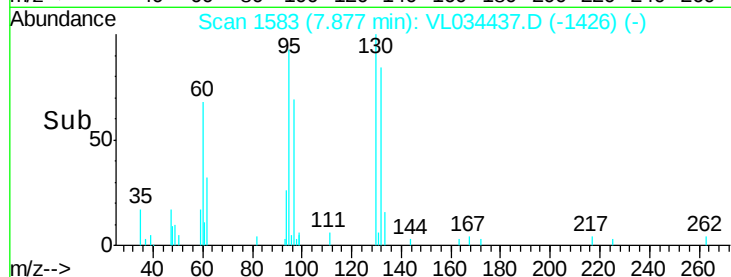


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.570 ppbv

RT: 7.20 min Scan# 1374

Delta R.T. -0.44 min

Lab File: VL034437.D

Acq: 2 Dec 2019 22:00

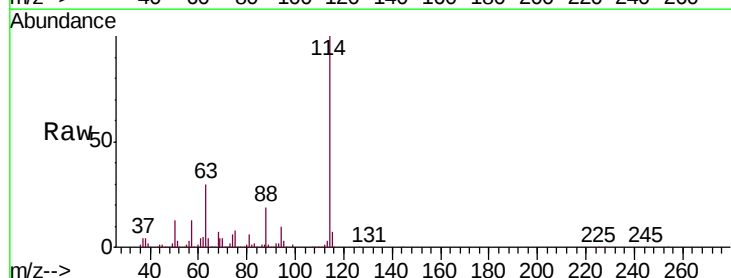
Tgt Ion: 63 Resp: 454708

Ion Ratio Lower Upper

63 100

41 0.0 63.1 94.7#

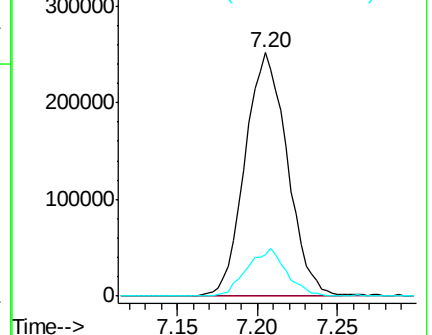
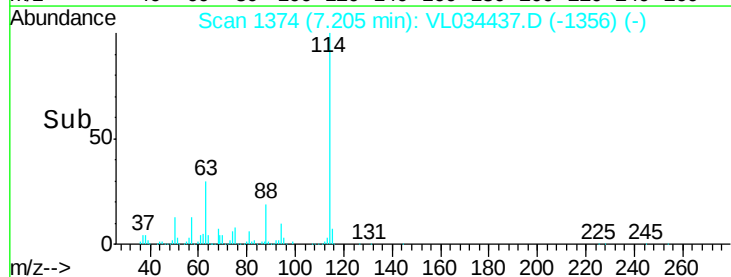
62 16.9 52.3 78.5#

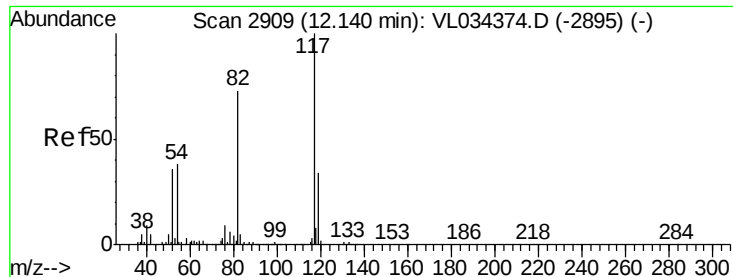


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL034437.D

Acq: 2 Dec 2019 22:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

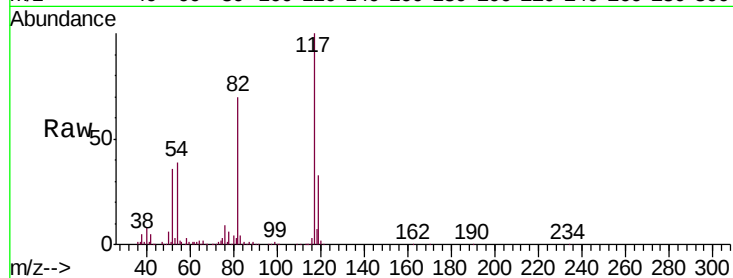
Tgt Ion:117 Resp: 1484417

Ion Ratio Lower Upper

117 100

82 72.2 57.5 86.3

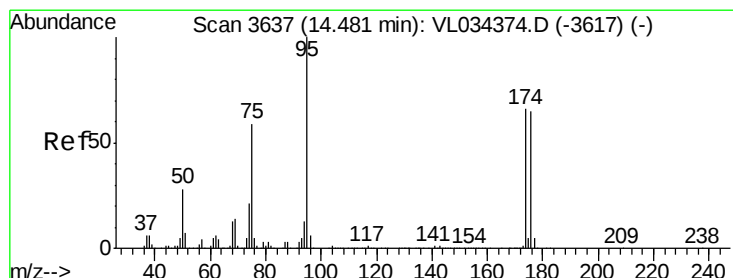
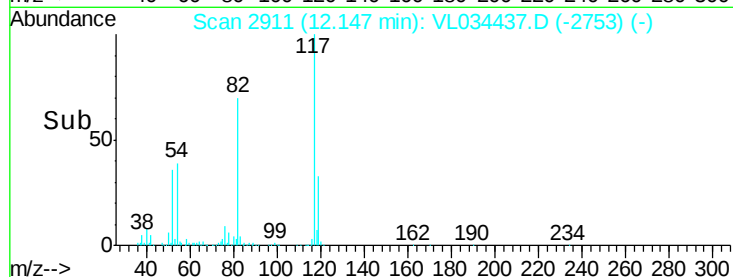
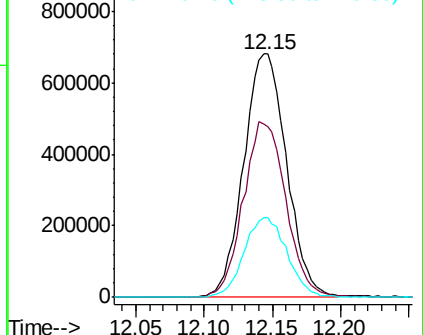
119 33.1 25.4 38.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.202 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VL034437.D

Acq: 2 Dec 2019 22:00

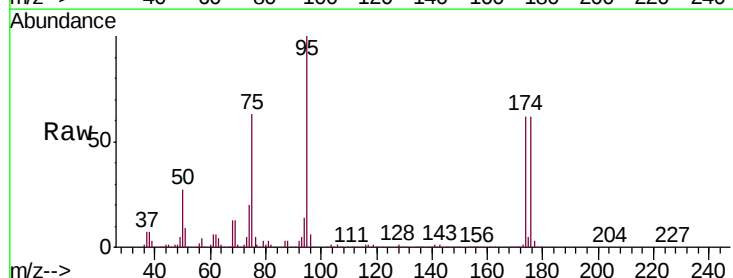
Tgt Ion: 95 Resp: 1273988

Ion Ratio Lower Upper

95 100

174 64.5 52.2 78.2

175 4.8 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

