

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035597.D
 Acq On : 14 Sep 2020 13:26
 Operator : SY/AP
 Sample : VL0914ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0914ABL01

Quant Time: Sep 15 06:39:19 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	1022952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4103044	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4166464	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3133040	10.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

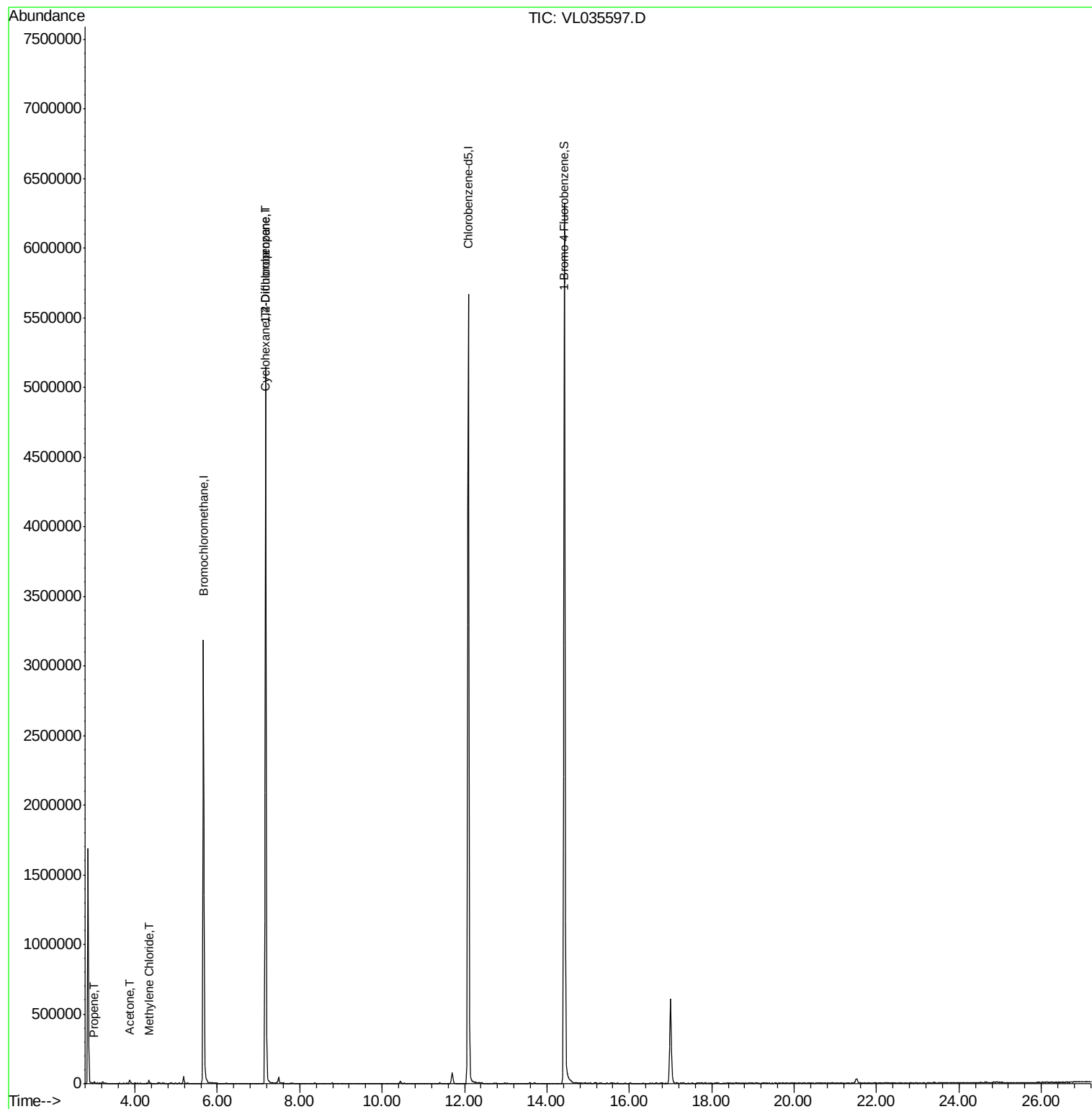
Target Compounds					Ovalue
9) Propene	3.01	41	2473	0.057 ppbv	94
15) Acetone	3.87	43	18515	0.164 ppbv #	7
20) Methylene Chloride	4.34	84	9995	0.119 ppbv #	90
30) Cyclohexane	7.16	84	5090	0.042 ppbv #	14
39) 1,2-Dichloropropane	7.17	63	772097	8.606 ppbv #	32

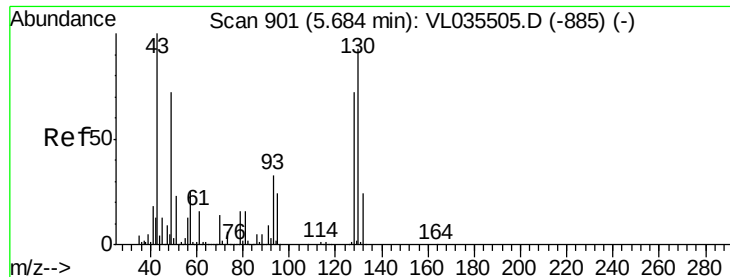
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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MSVOA_L

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VL0914ABL01

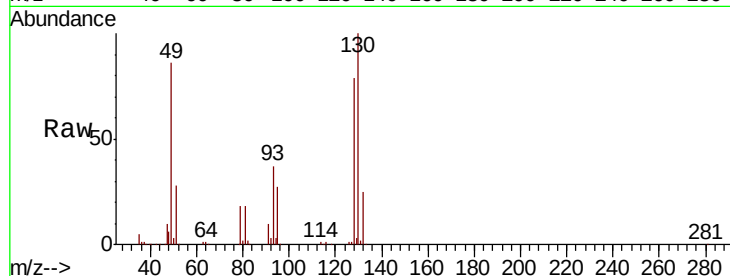
Tot Ion: 49 Resp: 1022952

Ion Ratio Lower Upper

49 100

128 92.4 50.0 150.1

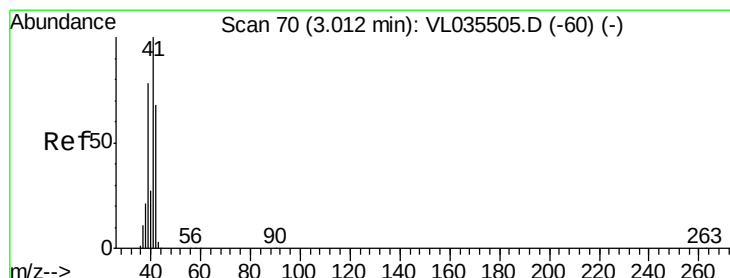
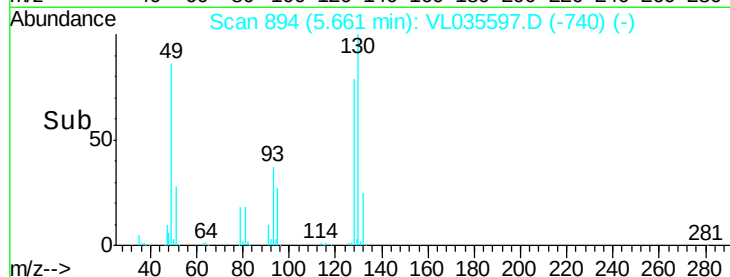
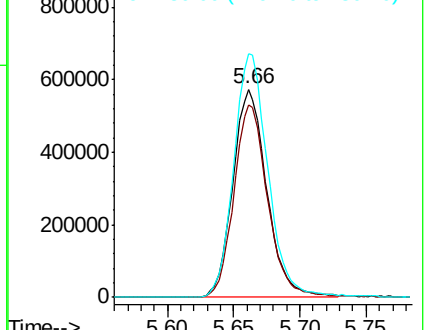
130 118.6 64.4 193.2



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



#9

Propene

Concen: 0.057 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL035597.D

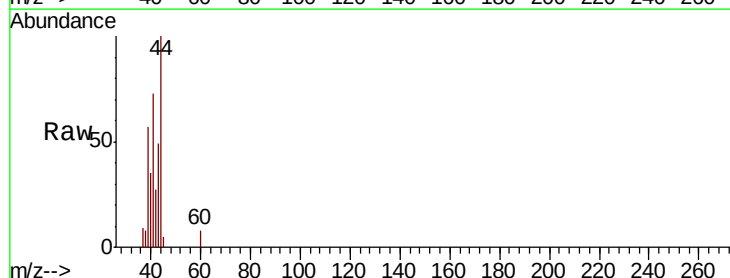
Acq: 14 Sep 2020 13:26

Tgt Ion: 41 Resp: 2473

Ion Ratio Lower Upper

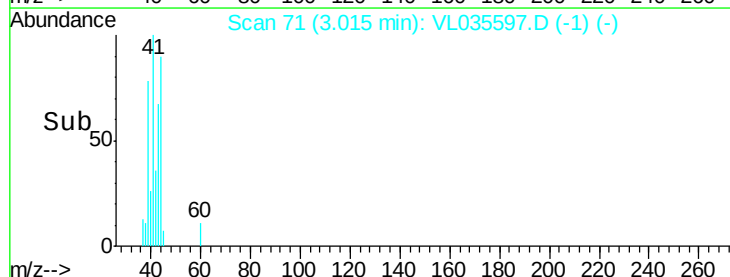
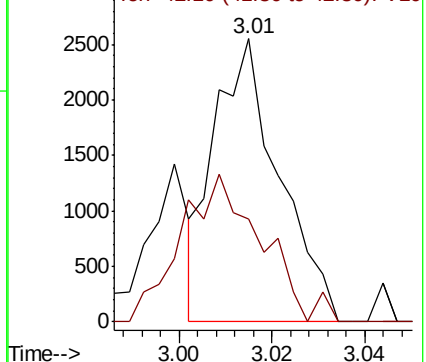
41 100

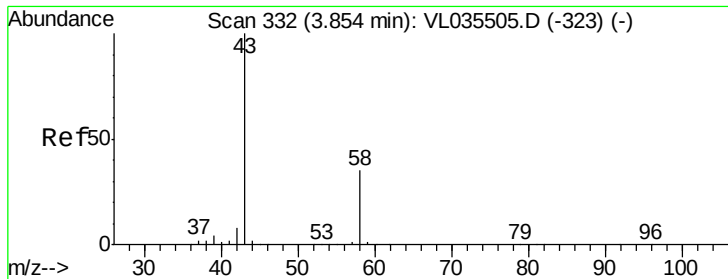
42 65.2 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.164 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL035597.D

Acq: 14 Sep 2020 13:26

Instrument :

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ClientSampleId :

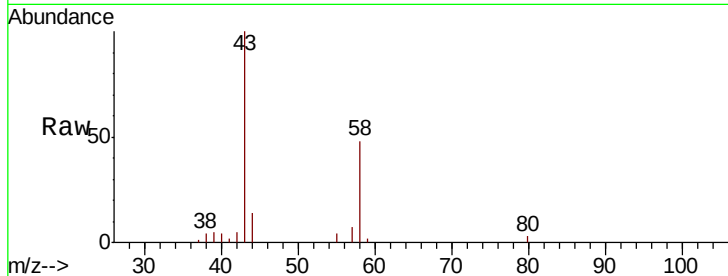
VL0914ABL01

Tot Ion: 43 Resp: 18515

Ion Ratio Lower Upper

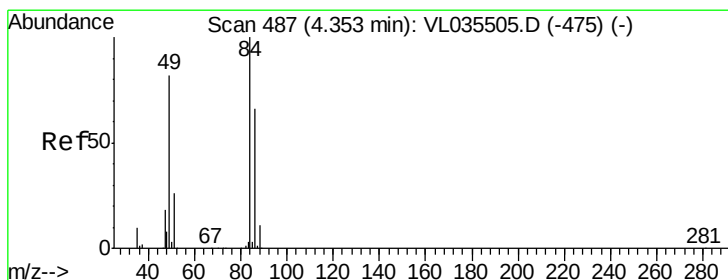
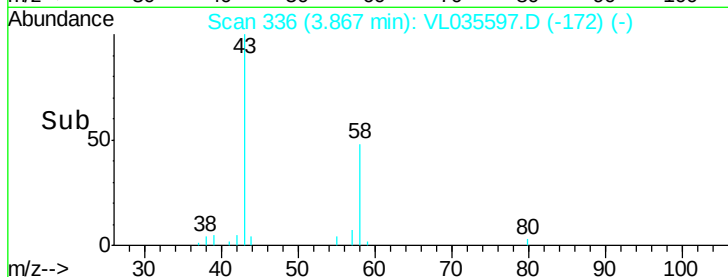
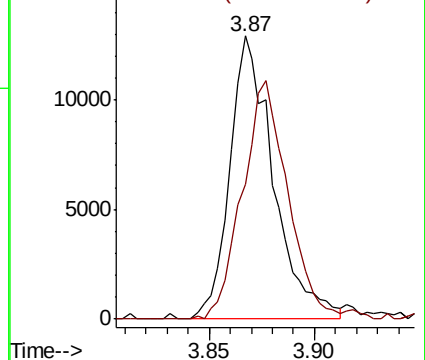
43 100

58 89.6 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: 0.119 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL035597.D

Acq: 14 Sep 2020 13:26

Tgt Ion: 84 Resp: 9995

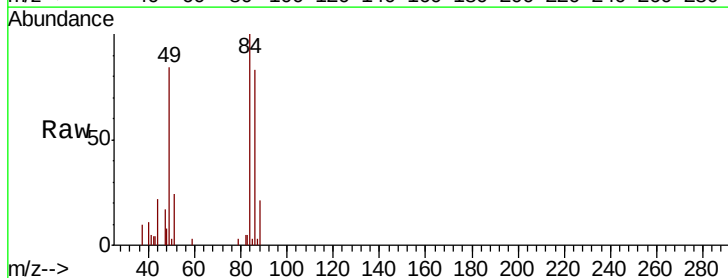
Ion Ratio Lower Upper

84 100

49 84.1 65.4 98.0

51 23.8 21.5 32.3

86 82.9 52.9 79.3#

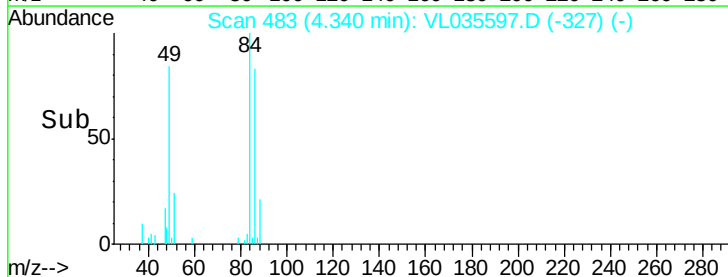
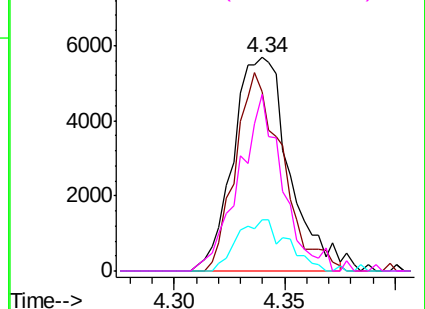


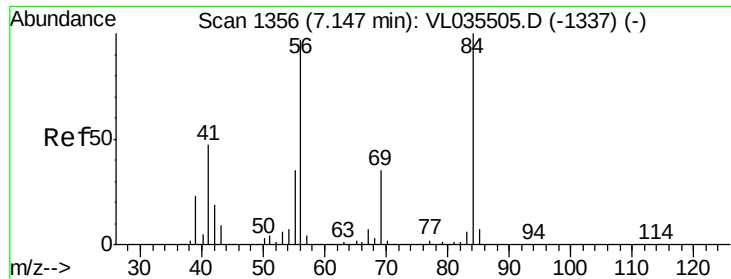
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

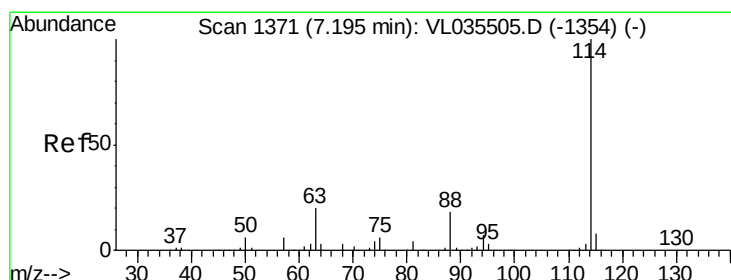
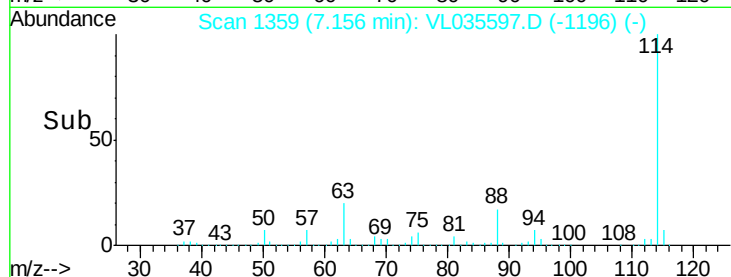
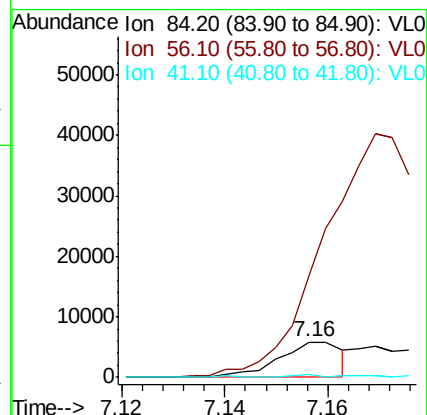
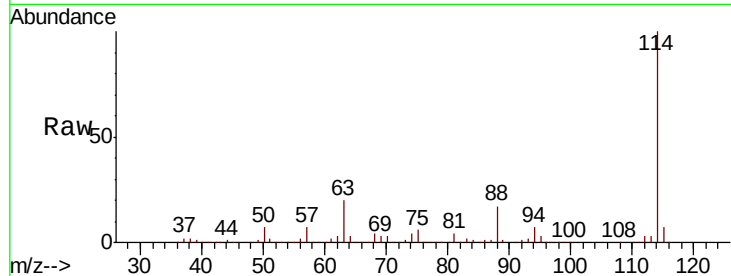




#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.03 min
Lab File: VL035597.D
Acq: 14 Sep 2020 13:26

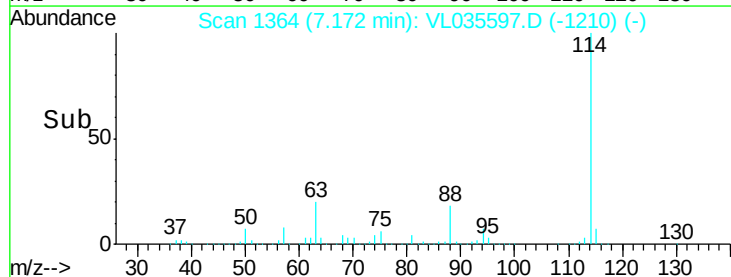
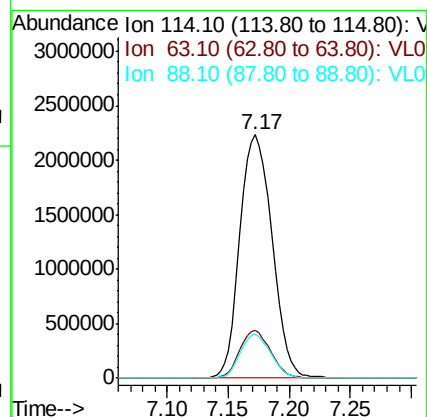
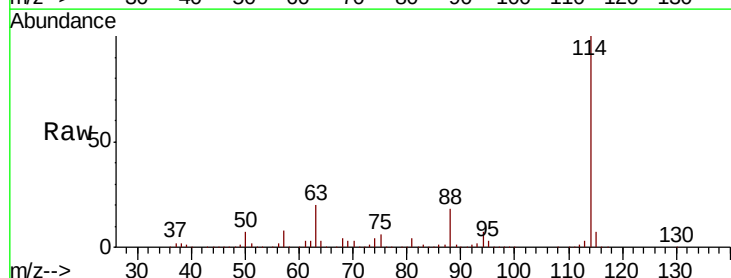
Instrument :
MSVOA_L
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VL0914ABL01

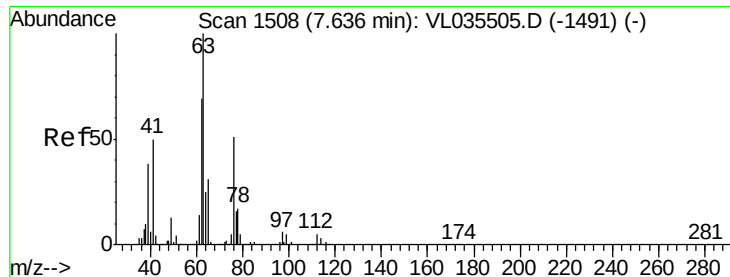
Tot Ion: 84 Resp: 5090
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 9.4 38.1 57.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035597.D
Acq: 14 Sep 2020 13:26

Tgt Ion: 114 Resp: 4103044
Ion Ratio Lower Upper
114 100
63 18.9 14.7 22.1
88 17.2 13.4 20.2





#39

1,2-Dichloropropane

Concen: 8.606 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL035597.D

Acq: 14 Sep 2020 13:26

Instrument :

MSVOA_L

ClientSampleId :

VL0914ABL01

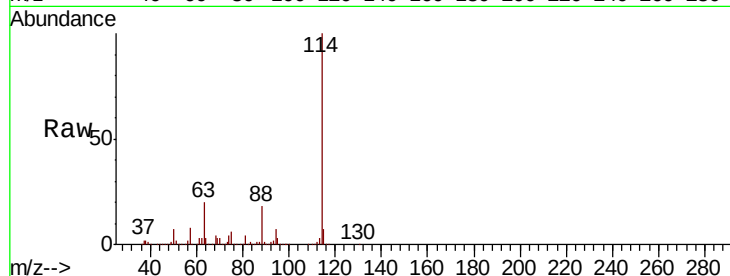
Tot Ion: 63 Resp: 772097

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

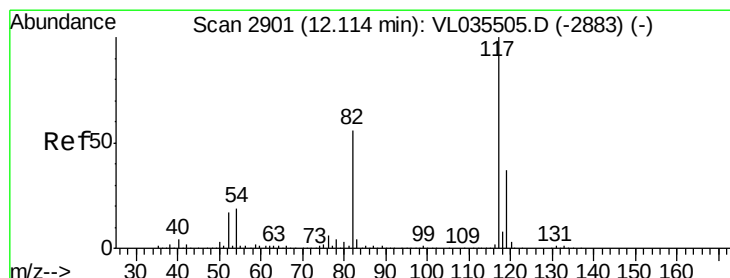
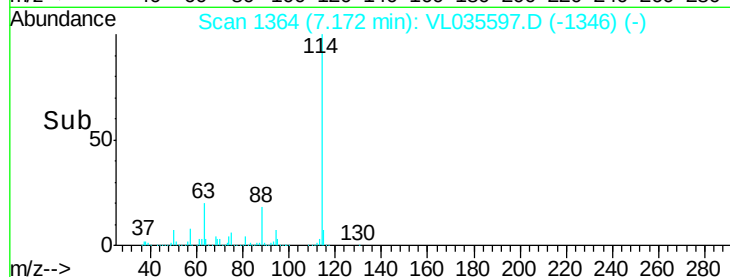
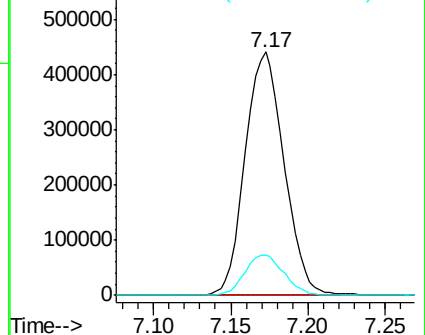
62 16.7 55.4 83.0#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL035597.D

Acq: 14 Sep 2020 13:26

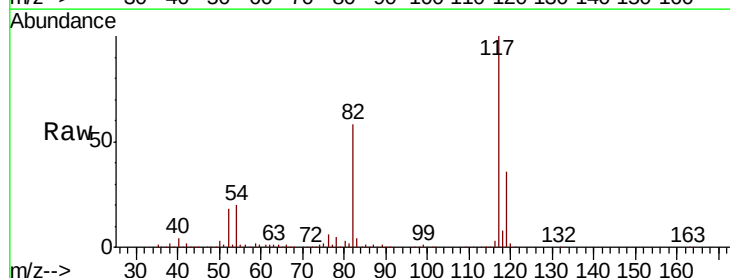
Tgt Ion: 117 Resp: 4166464

Ion Ratio Lower Upper

117 100

82 56.7 41.6 62.4

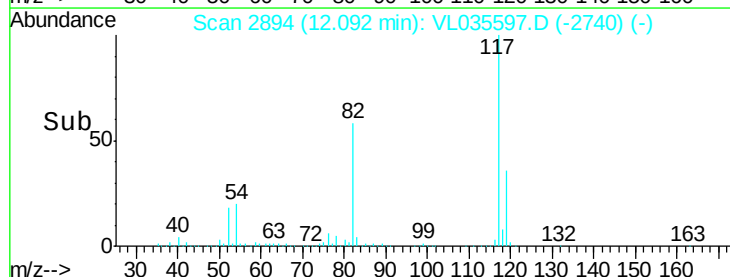
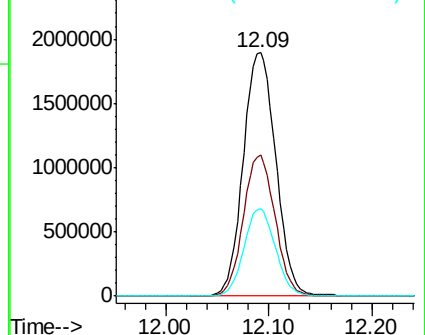
119 34.7 29.3 43.9

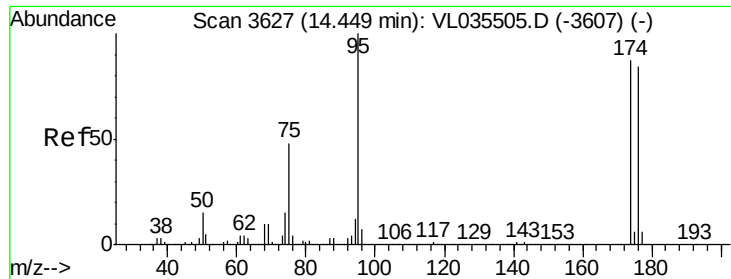


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.589 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.01 min

Lab File: VL035597.D

Acq: 14 Sep 2020 13:26

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MSVOA_L

ClientSampleId :

VL0914ABL01

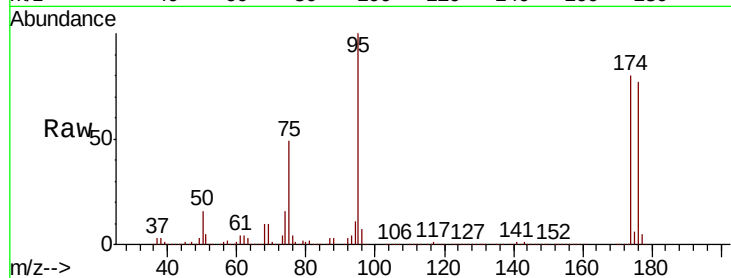
Tot Ion: 95 Resp: 3133040

Ion Ratio Lower Upper

95 100

174 80.4 69.6 104.4

175 5.8 5.1 7.7



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

