

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035323.D
 Acq On : 3 Aug 2020 20:28
 Operator : SY/AP
 Sample : VL0803ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0803ABL01

Quant Time: Aug 04 05:39:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 05:31:29 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1383926	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3412562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3281064	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2764453	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

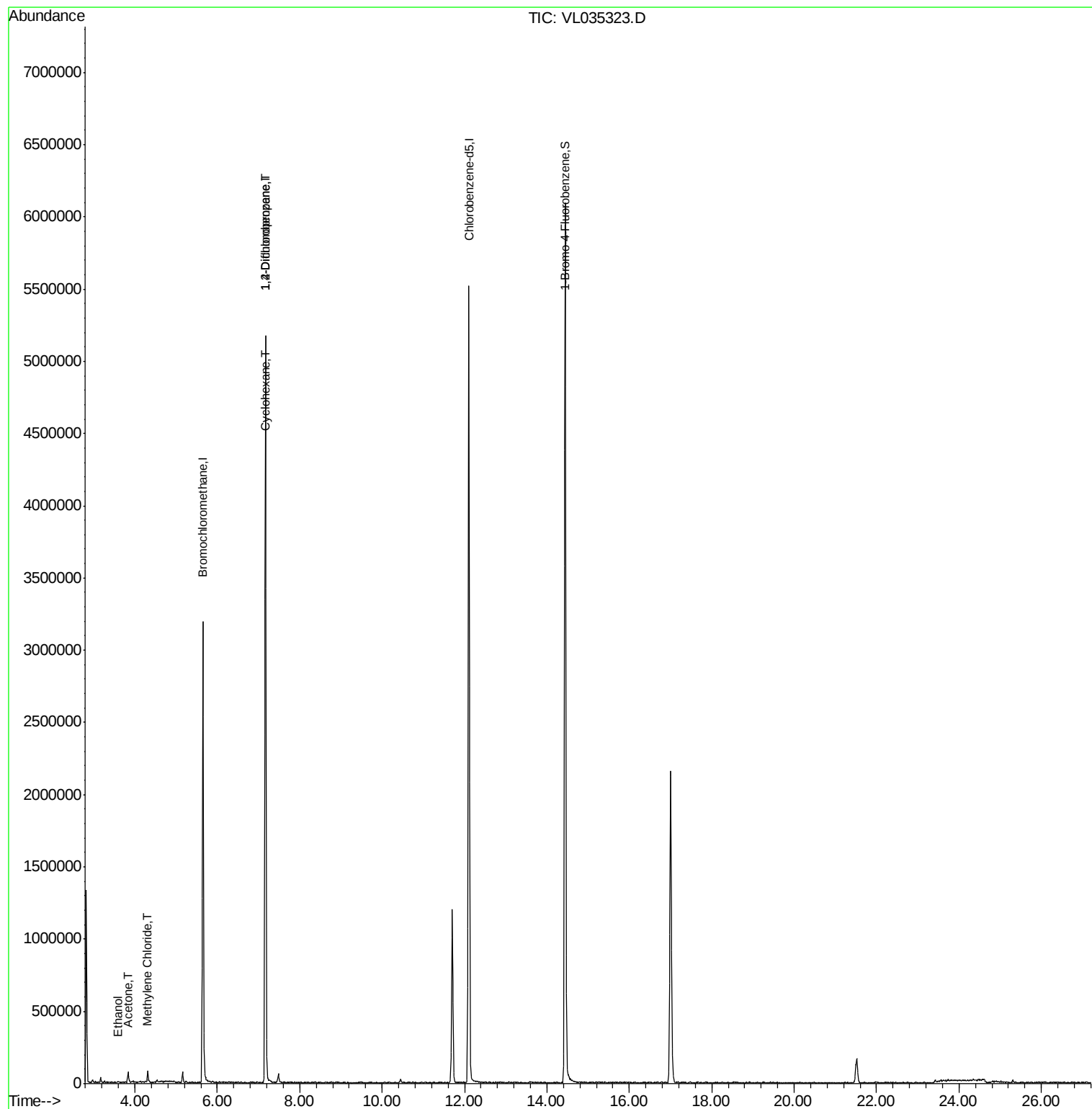
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	1198	0.056	ppbv #	1
15) Acetone	3.83	43	58356	0.292	ppbv #	59
20) Methylene Chloride	4.31	84	23255	0.254	ppbv #	86
30) Cyclohexane	7.15	84	4194	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	921484	9.346	ppbv #	23

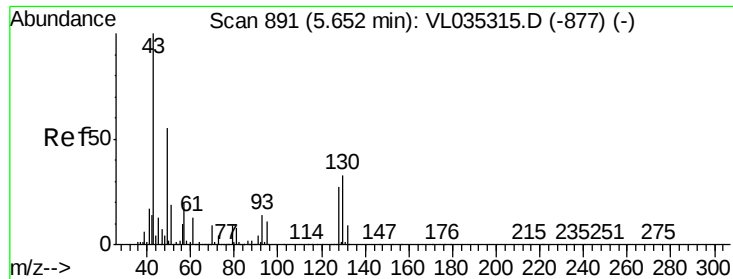
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035323.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0803ABL01

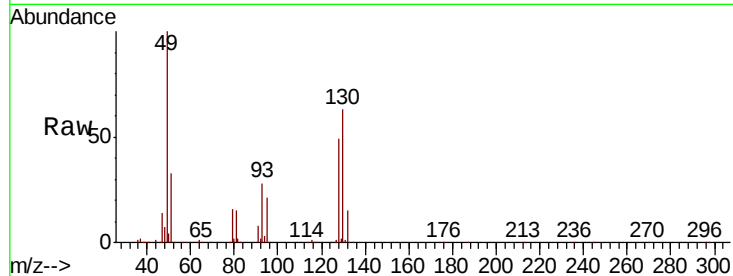
Tot Ion: 49 Resp: 1383926

Ion Ratio Lower Upper

49 100

128 50.5 23.8 71.5

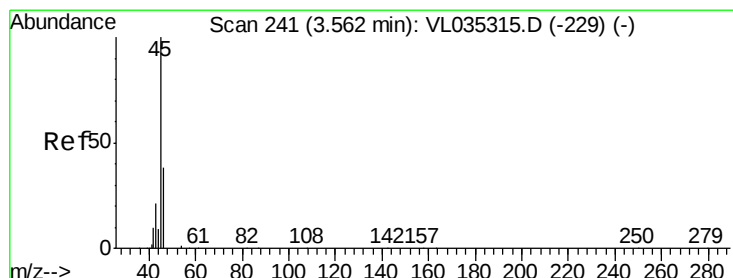
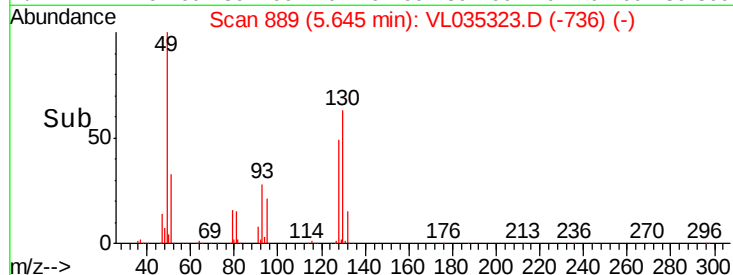
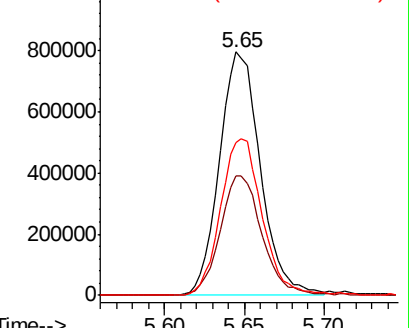
130 65.5 31.4 94.3



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



#13

Ethanol

Concen: 0.056 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.01 min

Lab File: VL035323.D

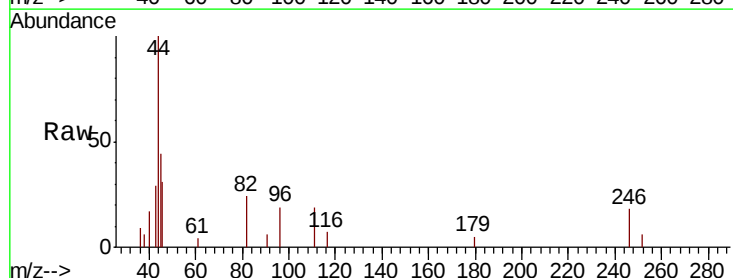
Acq: 3 Aug 2020 20:28

Tgt Ion: 45 Resp: 1198

Ion Ratio Lower Upper

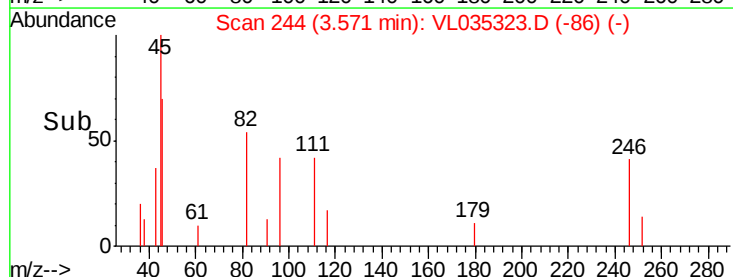
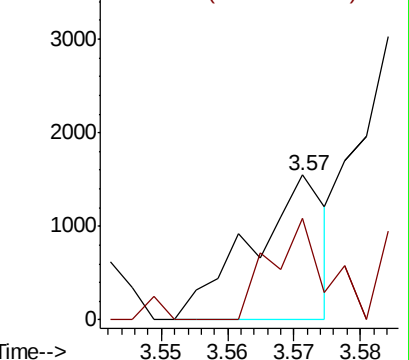
45 100

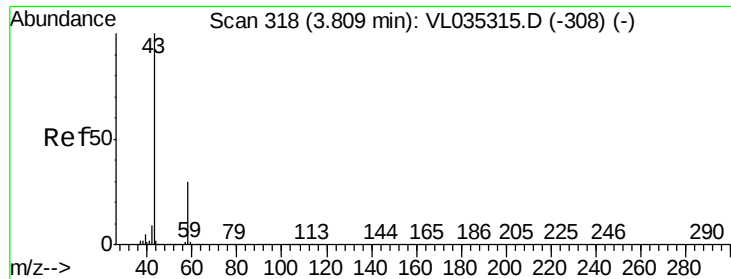
46 98.6 14.5 57.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.292 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.02 min

Lab File: VL035323.D

Acq: 3 Aug 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

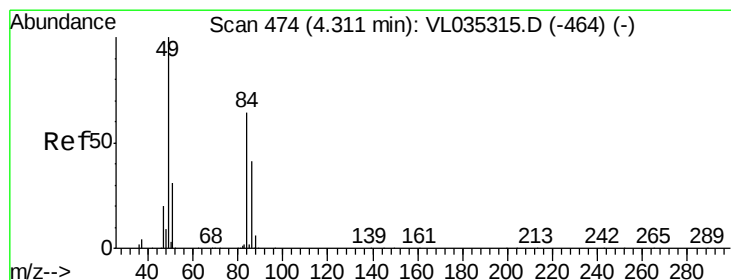
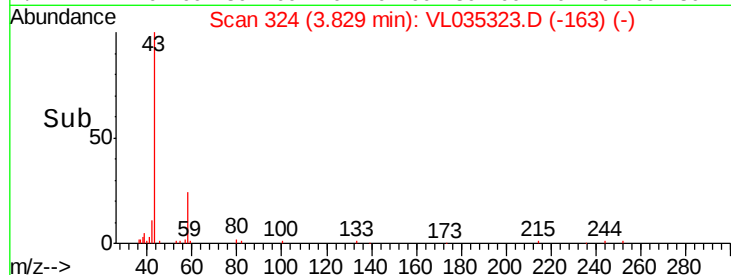
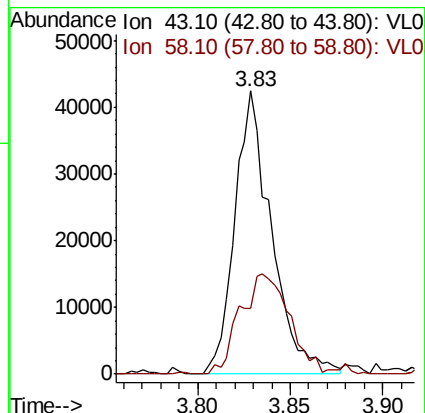
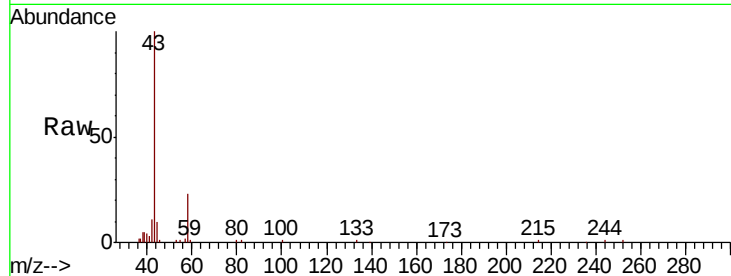
VL0803ABL01

Tot Ion: 43 Resp: 58356

Ion Ratio Lower Upper

43 100

58 49.0 22.1 33.1#



#20

Methylene Chloride

Concen: 0.254 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035323.D

Acq: 3 Aug 2020 20:28

Tgt Ion: 84 Resp: 23255

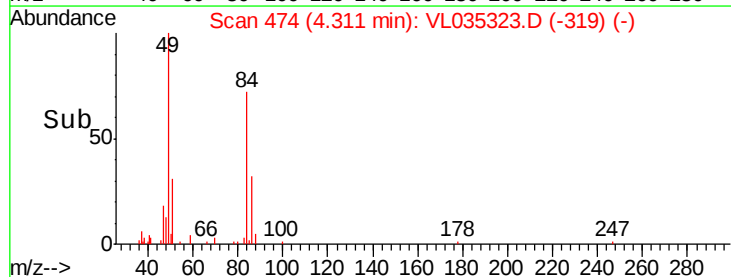
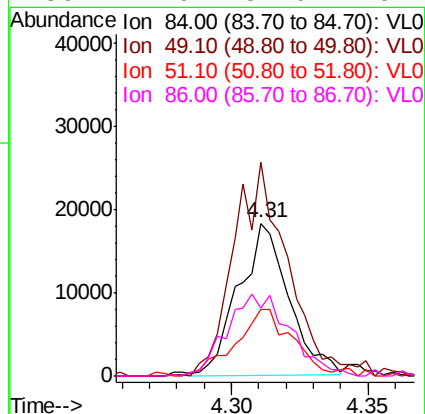
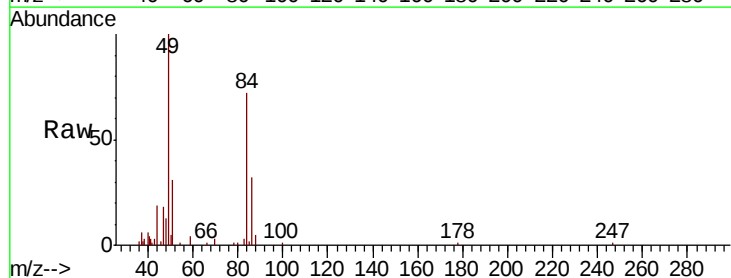
Ion Ratio Lower Upper

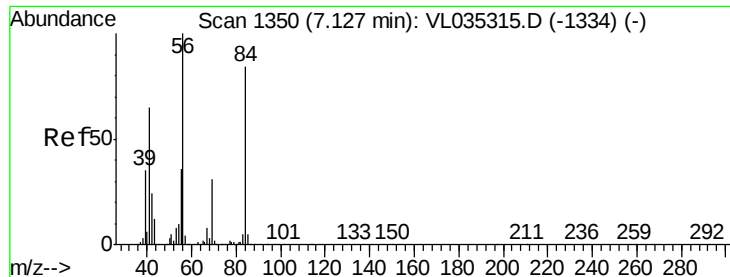
84 100

49 141.7 124.2 186.2

51 42.5 38.6 58.0

86 41.9 51.0 76.4#

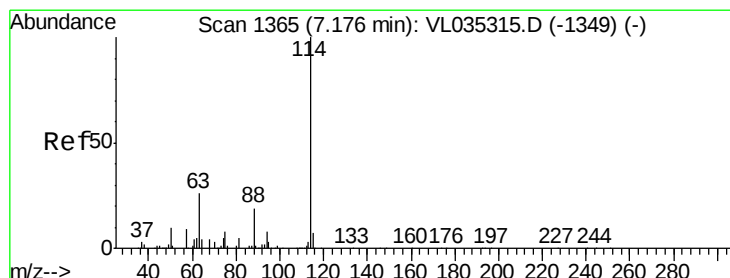
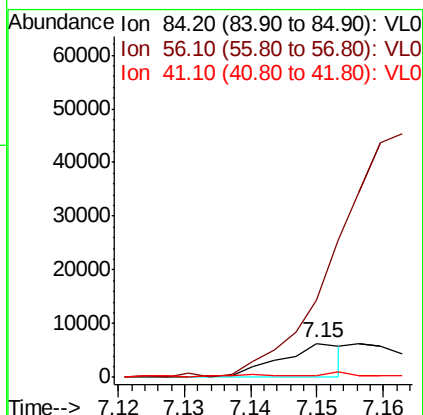
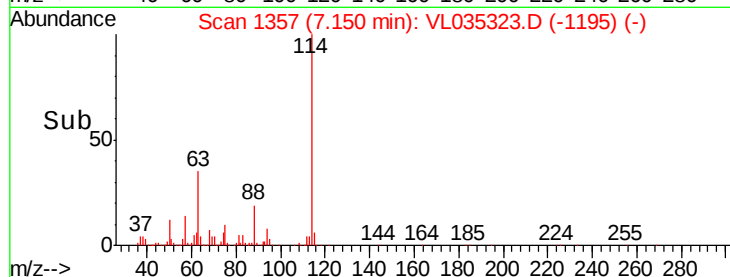
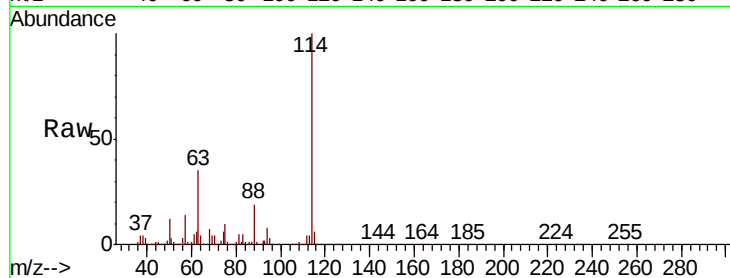




#30
Cvclohexane
Concen: 0.041 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL035323.D
Acq: 3 Aug 2020 20:28

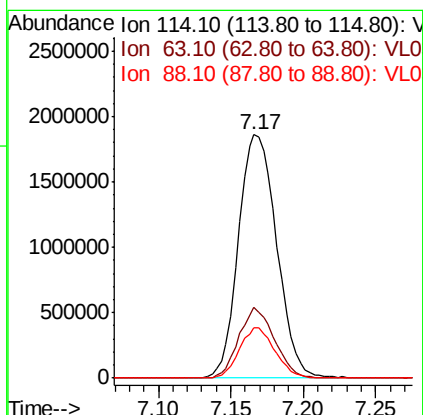
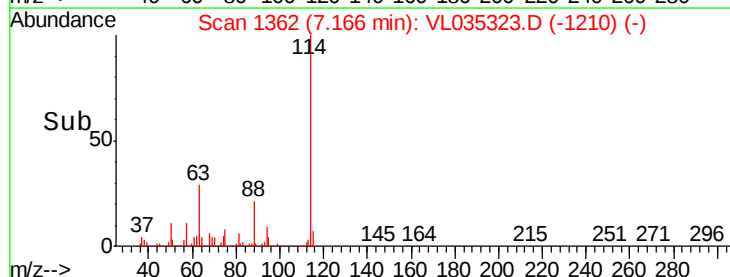
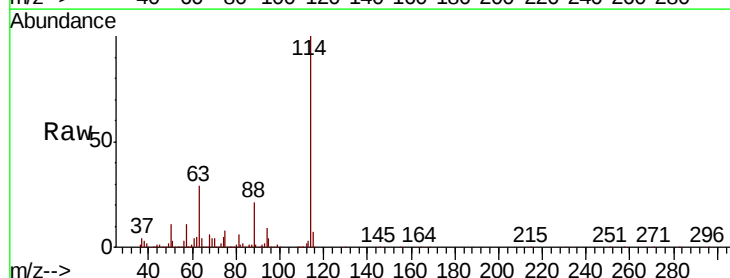
Instrument :
MSVOA_L
ClientSampleId :
VL0803ABL01

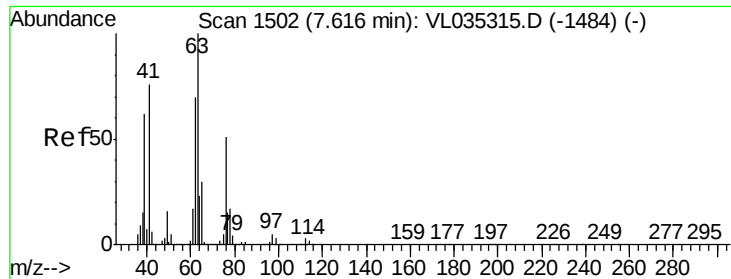
Tot Ion: 84 Resp: 4194
Ion Ratio Lower Upper
84 100
56 0.0 103.0 154.6#
41 0.0 62.7 94.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL035323.D
Acq: 3 Aug 2020 20:28

Tgt Ion: 114 Resp: 3412562
Ion Ratio Lower Upper
114 100
63 27.2 21.5 32.3
88 19.4 15.3 22.9





#39

1,2-Dichloropropane

Concen: 9.346 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL035323.D

Acq: 3 Aug 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABL01

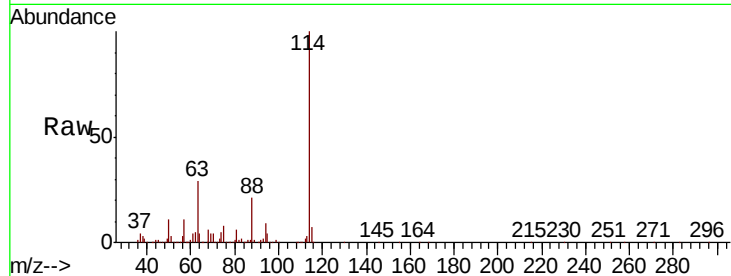
Tot Ion: 63 Resp: 921484

Ion Ratio Lower Upper

63 100

41 0.0 61.0 91.4#

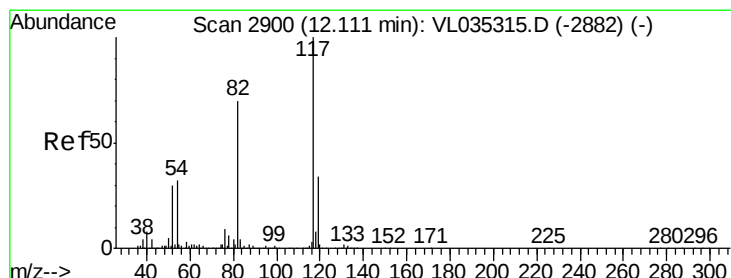
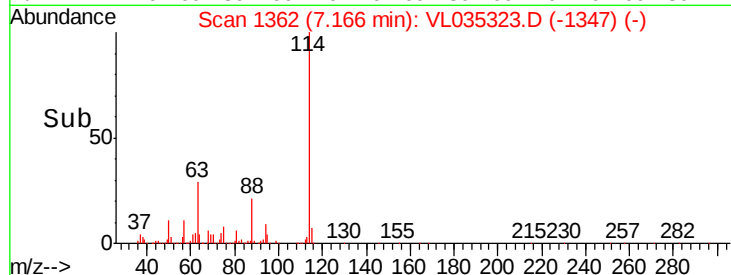
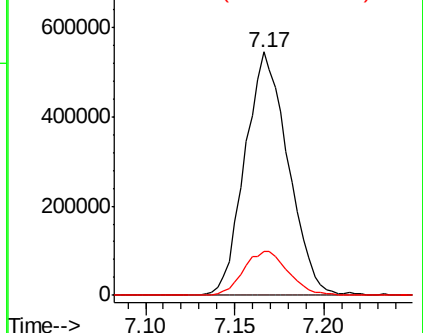
62 17.8 55.8 83.8#



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: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035323.D

Acq: 3 Aug 2020 20:28

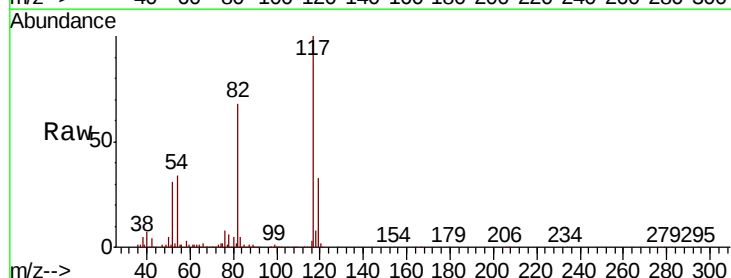
Tgt Ion: 117 Resp: 3281064

Ion Ratio Lower Upper

117 100

82 69.0 50.6 76.0

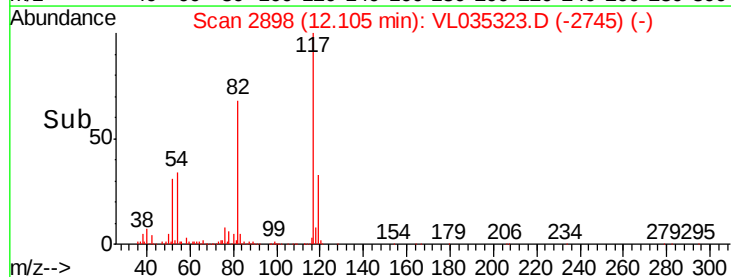
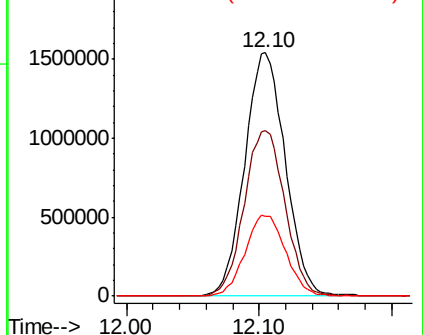
119 33.2 24.1 36.1

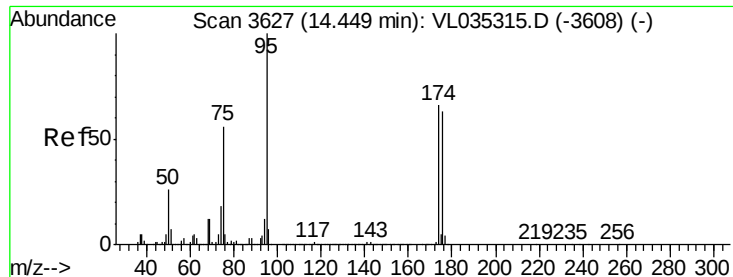


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.059 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035323.D

Acq: 3 Aug 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

VL0803ABL01

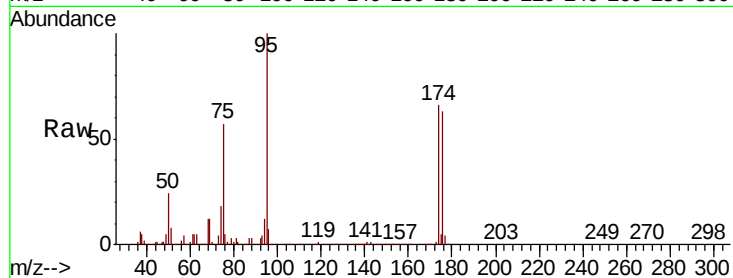
Tot Ion: 95 Resp: 2764453

Ion Ratio Lower Upper

95 100

174 66.5 52.5 78.7

175 4.9 3.9 5.9



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

