

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036781.D
 Acq On : 9 Apr 2021 19:25
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 10 02:01:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1241189	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3073267	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2393051	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1571004	8.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

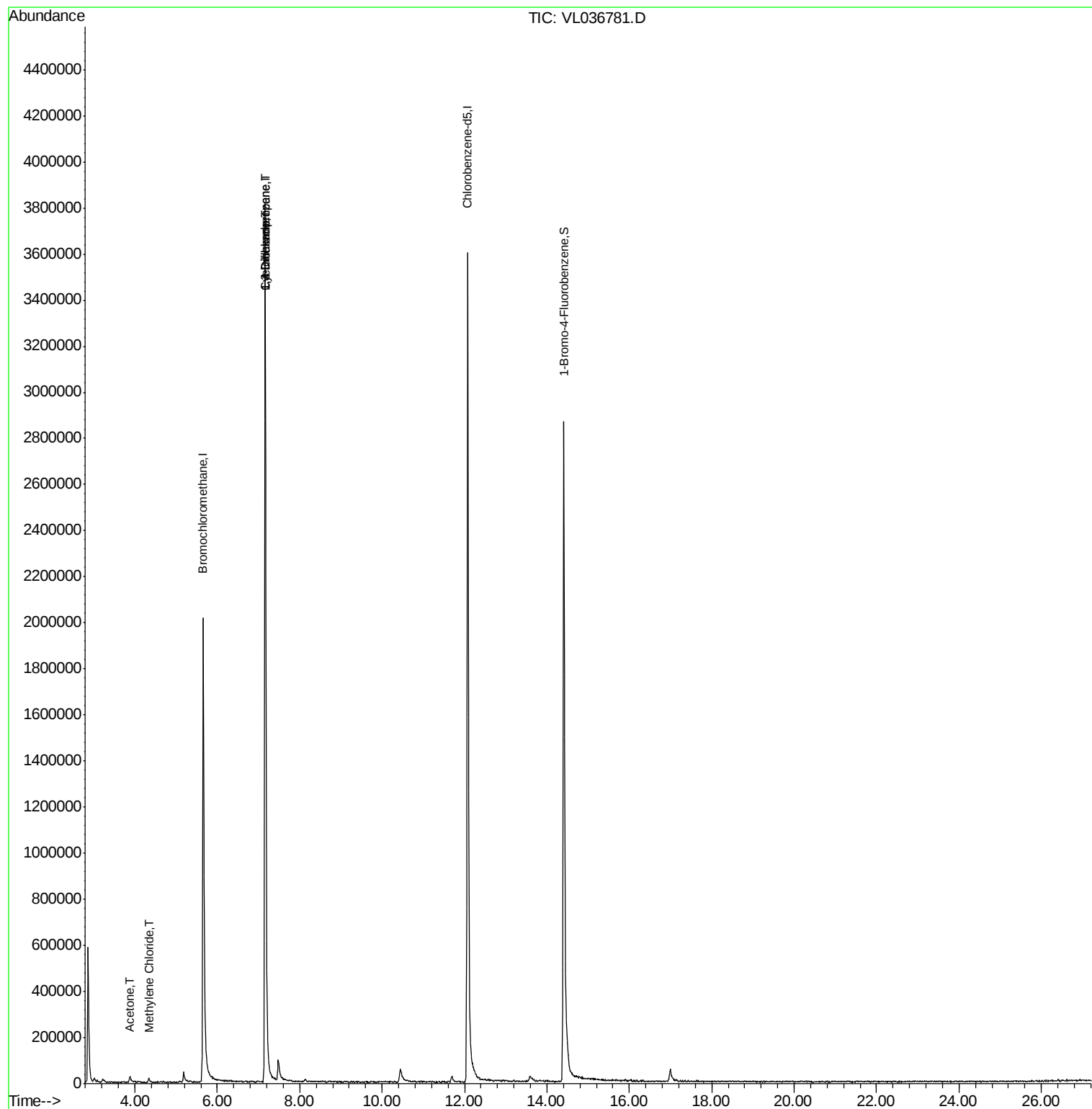
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	12917	0.106	ppbv #	48
20) Methylene Chloride	4.34	84	7035	0.123	ppbv #	62
30) Cyclohexane	7.15	84	10969	0.100	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	817031	7.106	ppbv #	23

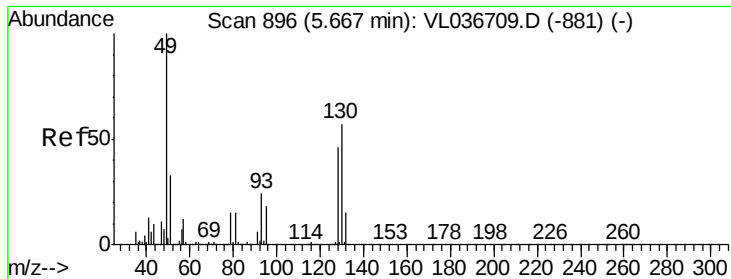
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036781.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

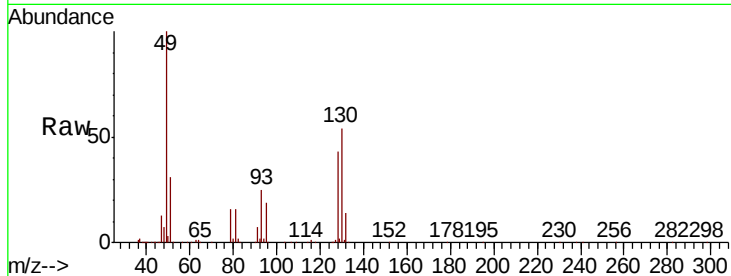
Tot Ion: 49 Resp: 1241189

Ion Ratio Lower Upper

49 100

128 47.0 23.5 70.6

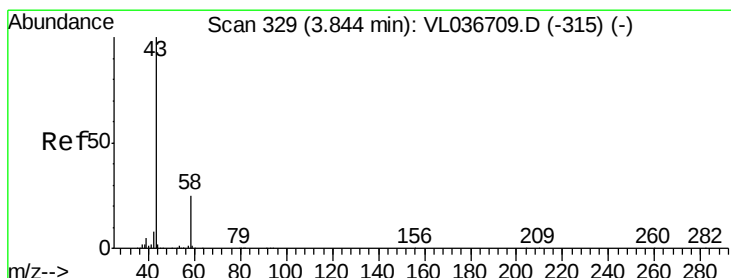
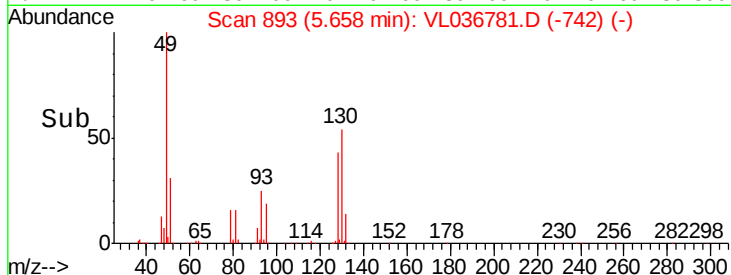
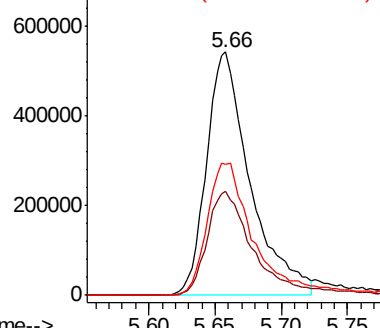
130 60.5 29.1 87.4



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: 0.106 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL036781.D

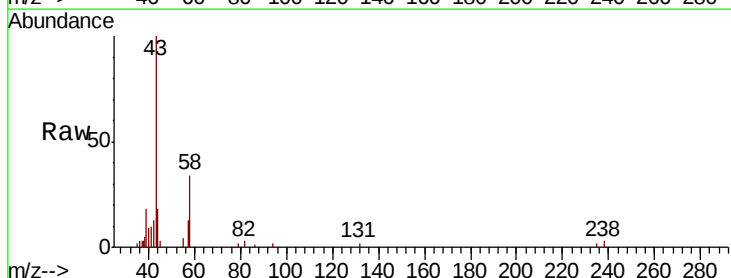
Acq: 9 Apr 2021 19:25

Tgt Ion: 43 Resp: 12917

Ion Ratio Lower Upper

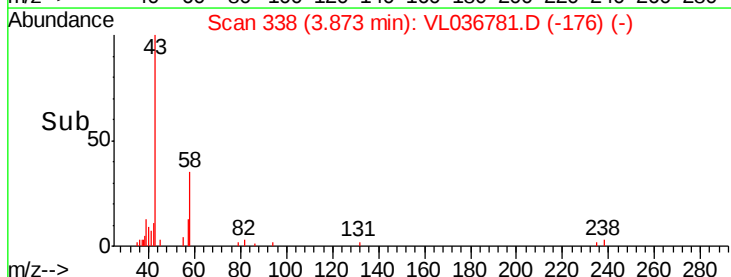
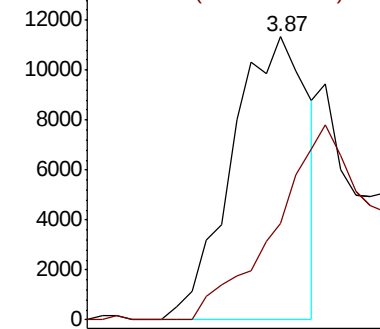
43 100

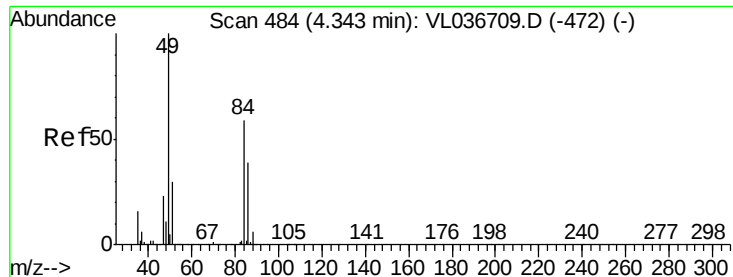
58 0.0 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

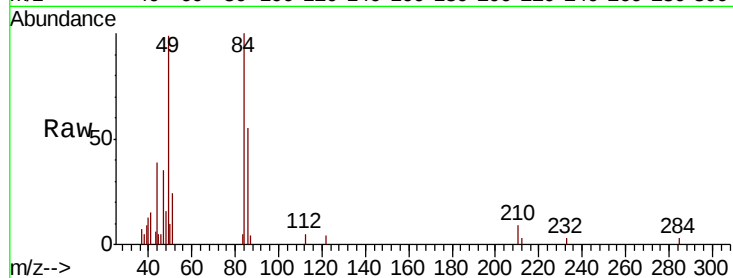




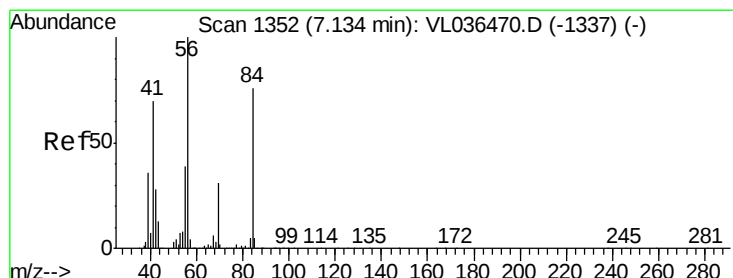
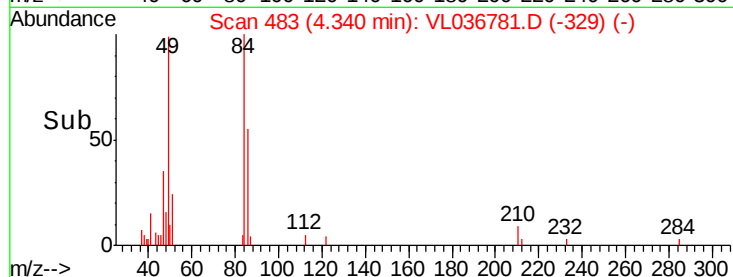
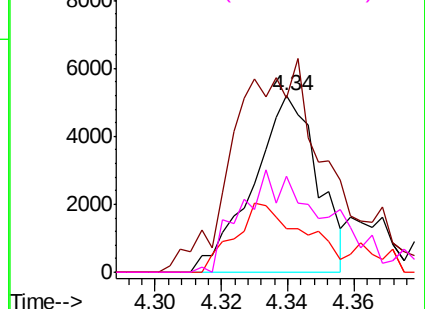
#20
Methvlene Chloride
Concen: 0.123 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036781.D
Acq: 9 Apr 2021 19:25

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 7035
Ion Ratio Lower Upper
84 100
49 87.7 122.9 184.3#
51 24.5 36.9 55.3#
86 54.8 48.2 72.4

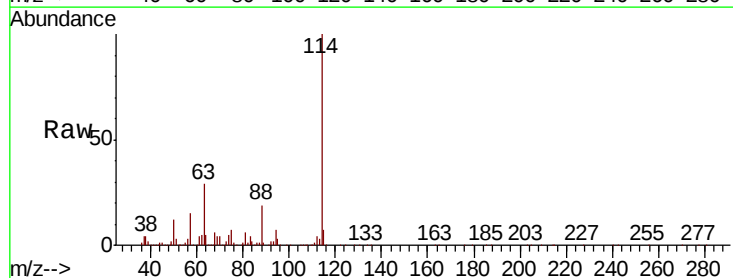


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

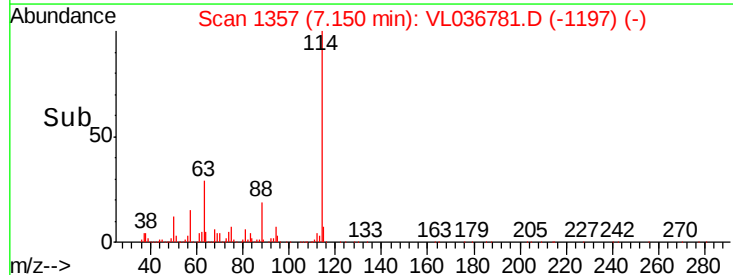
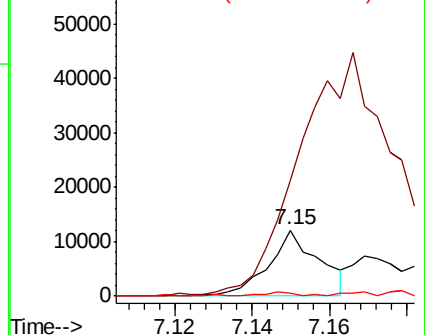


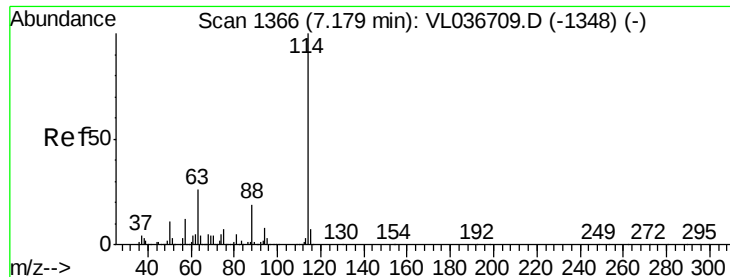
#30
Cyclohexane
Concen: 0.100 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL036781.D
Acq: 9 Apr 2021 19:25

Tgt Ion: 84 Resp: 10969
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 0.0 75.3 112.9#



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

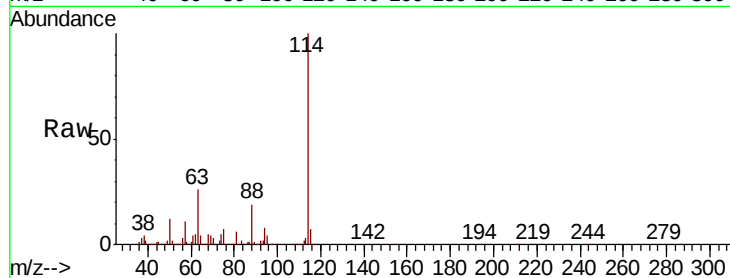




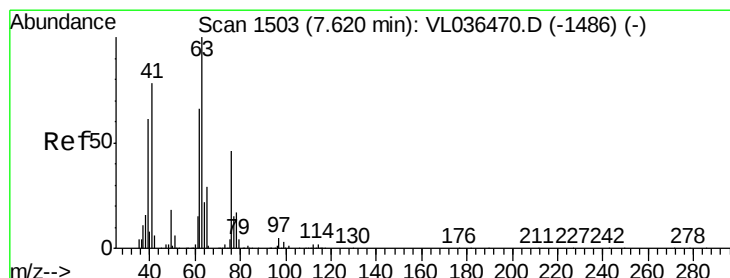
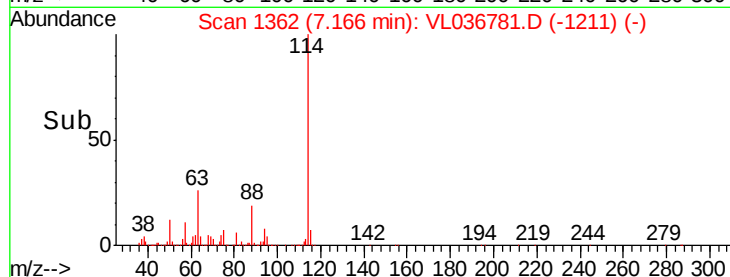
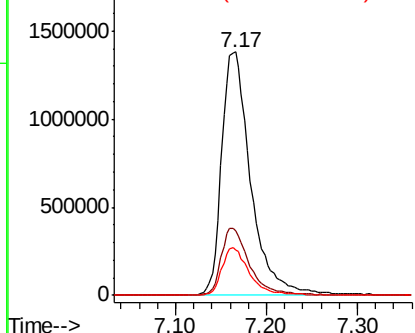
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036781.D
 Acq: 9 Apr 2021 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion:114 Resp: 3073267
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.4 33.6
 88 18.9 15.4 23.0

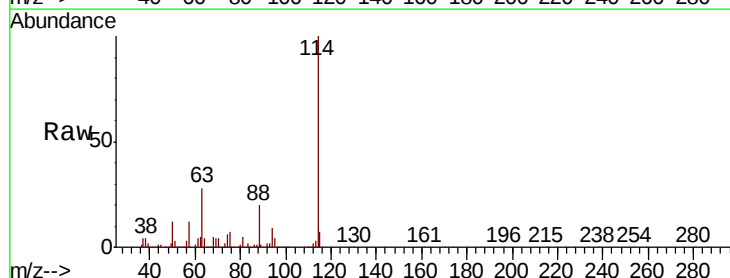


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

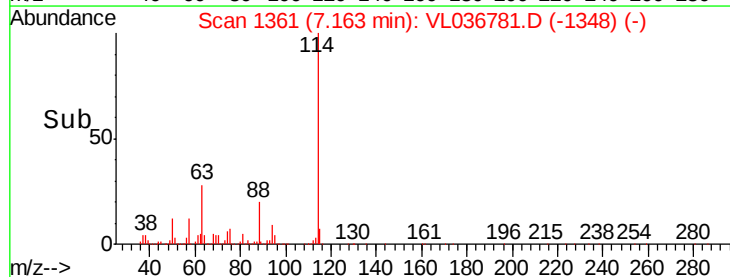
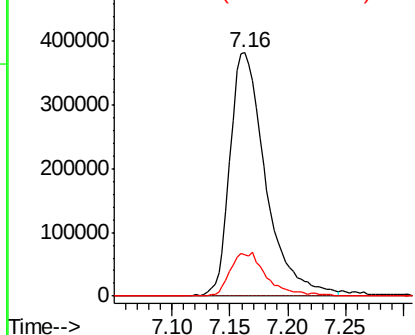


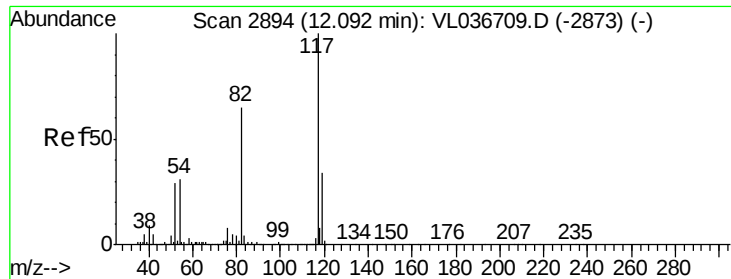
#39
 1,2-Dichloropropane
 Concen: 7.106 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL036781.D
 Acq: 9 Apr 2021 19:25

Tgt Ion: 63 Resp: 817031
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 16.7 52.8 79.2#



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: 12.08 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL036781.D

Acq: 9 Apr 2021 19:25

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

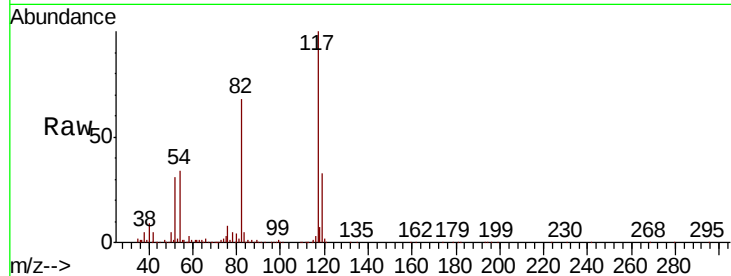
Tot Ion:117 Resp: 2393051

Ion Ratio Lower Upper

117 100

82 71.6 57.4 86.0

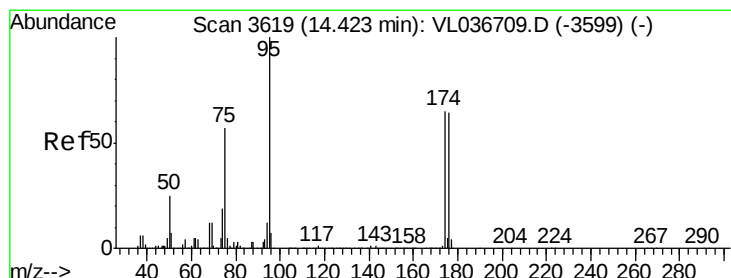
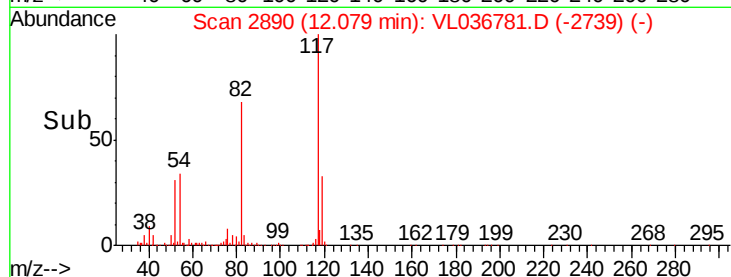
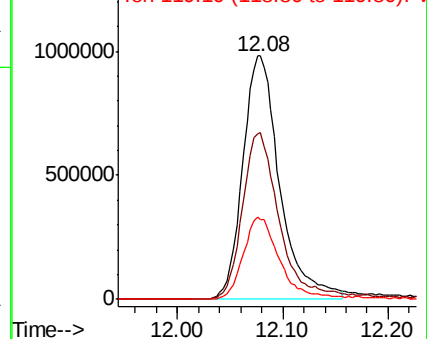
119 34.8 47.4 71.0#



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: 8.237 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036781.D

Acq: 9 Apr 2021 19:25

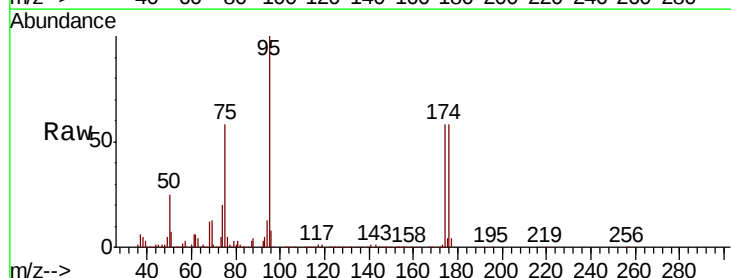
Tgt Ion: 95 Resp: 1571004

Ion Ratio Lower Upper

95 100

174 63.7 51.0 76.6

175 4.6 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

