

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036766.D
 Acq On : 9 Apr 2021 1:42
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 09 08:43:03 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	5.65	49	1257424	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3064194	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2428257	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1417185	7.32	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	73.20%

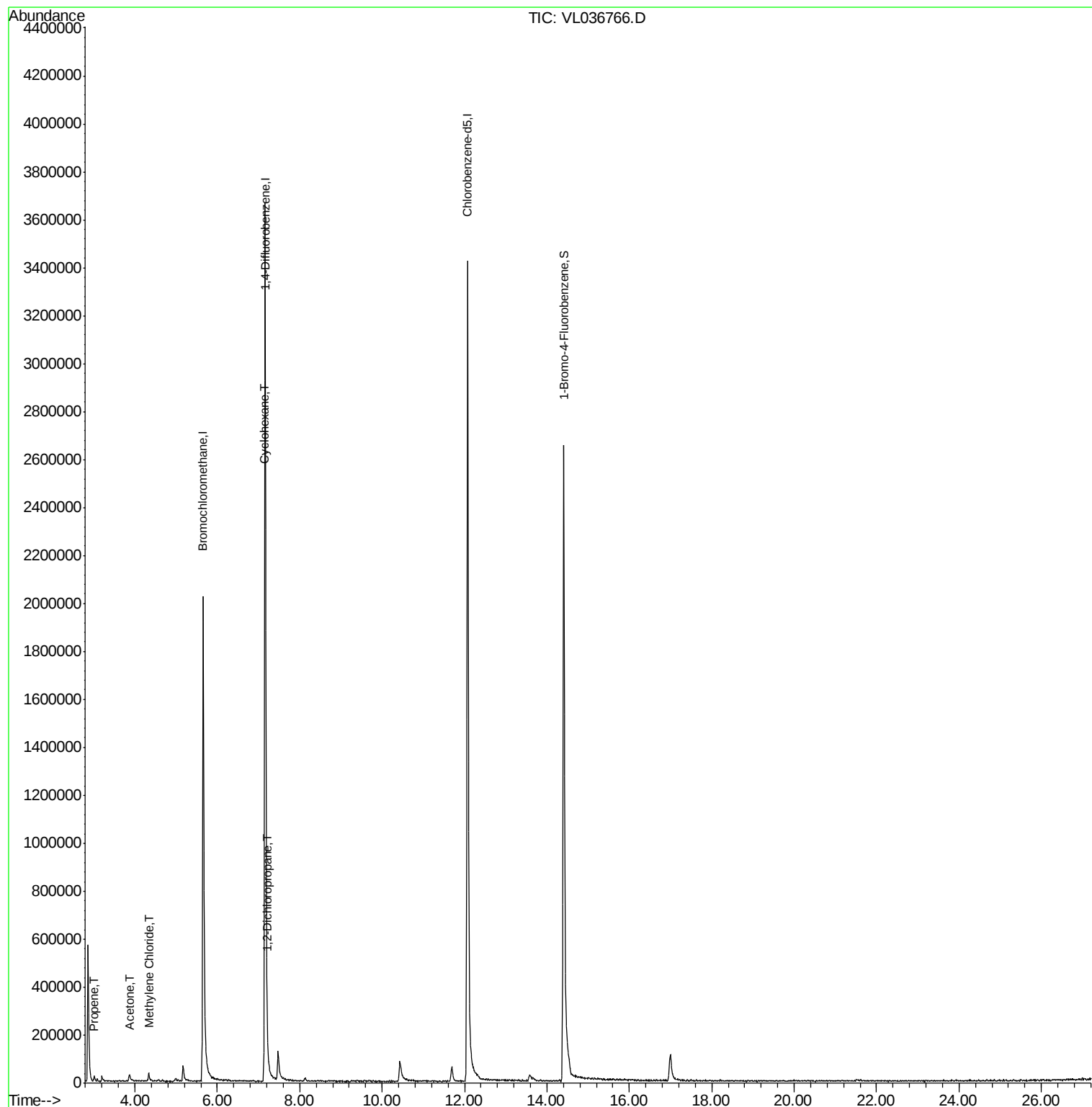
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	4029	0.054	ppbv #	14
15) Acetone	3.86	43	16274	0.131	ppbv #	48
20) Methylene Chloride	4.33	84	5905	0.102	ppbv #	80
30) Cyclohexane	7.14	84	3854	0.035	ppbv #	1
39) 1,2-Dichloropropane	7.21	63	14570	0.127	ppbv #	25

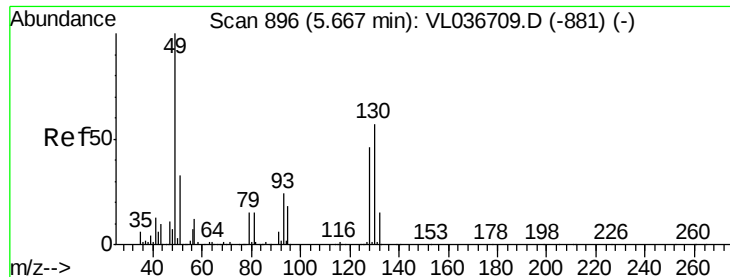
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036766.D

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Instrument :

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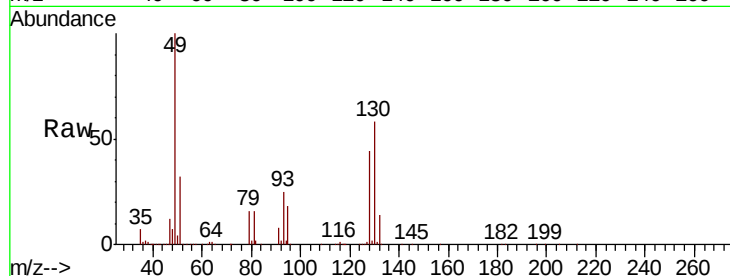
Tot Ion: 49 Resp: 1257424

Ion Ratio Lower Upper

49 100

128 47.0 23.5 70.6

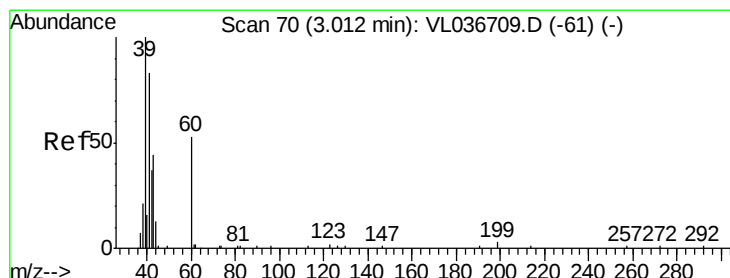
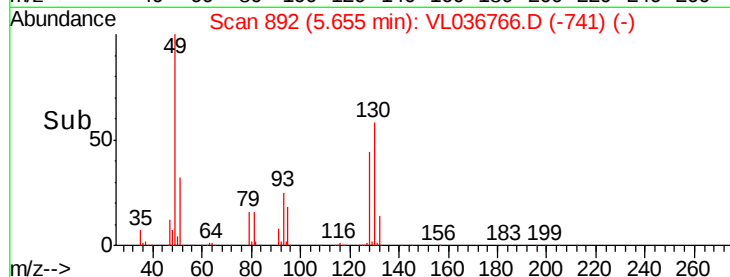
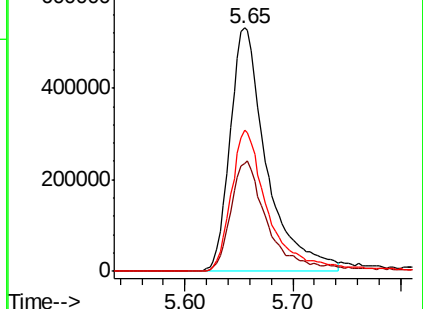
130 60.9 29.1 87.4



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



#9

Propene

Concen: 0.054 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL036766.D

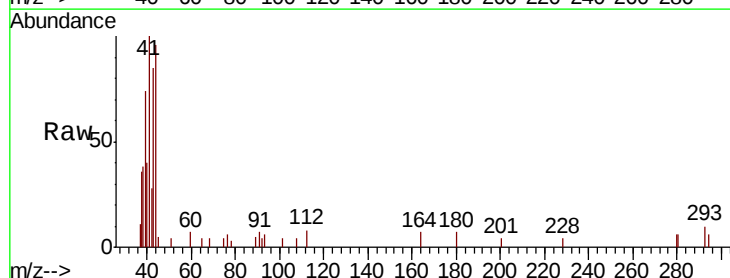
Acq: 9 Apr 2021 1:42

Tgt Ion: 41 Resp: 4029

Ion Ratio Lower Upper

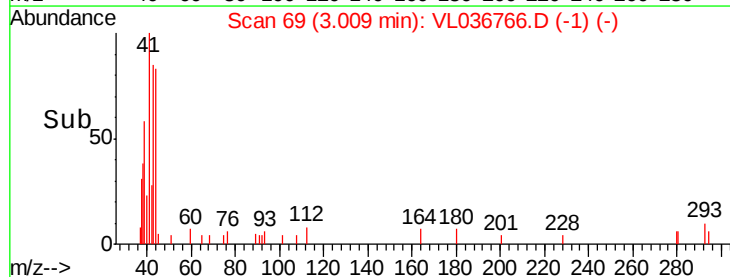
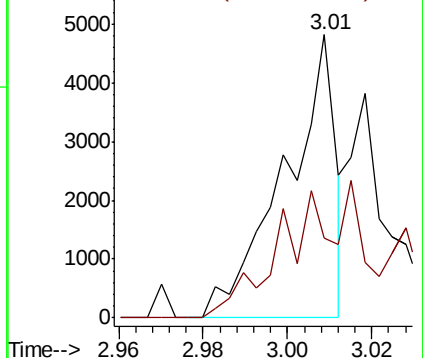
41 100

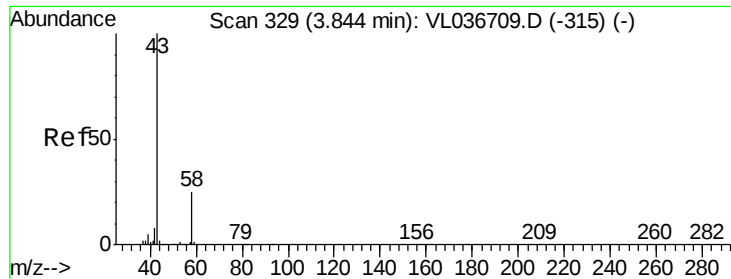
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

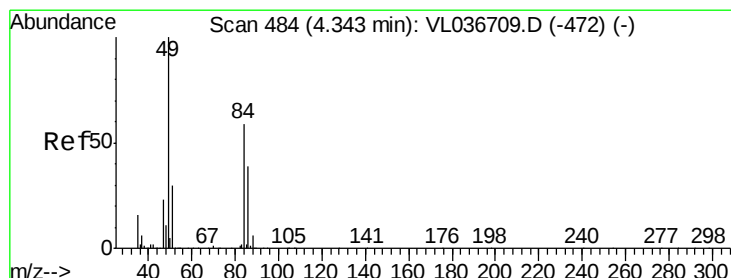
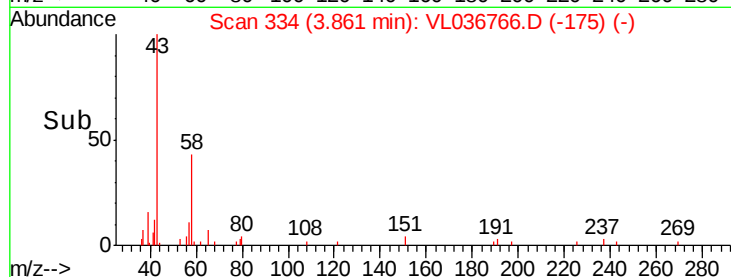
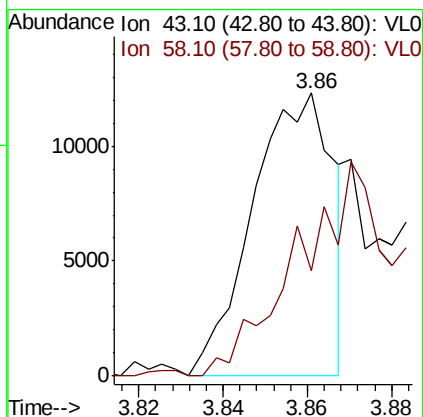
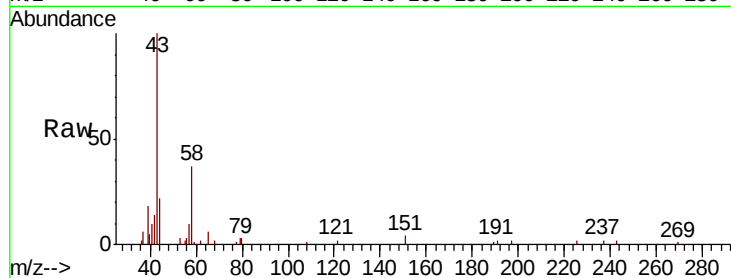




#15
Acetone
Concen: 0.131 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036766.D
Acq: 9 Apr 2021 1:42

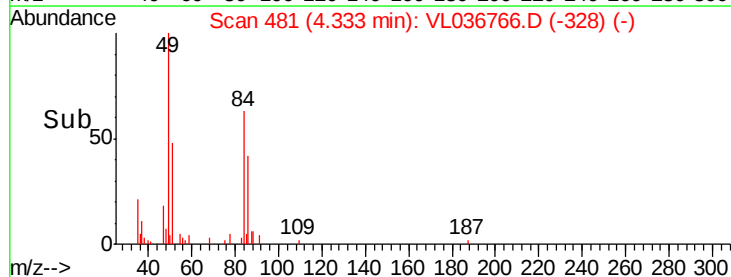
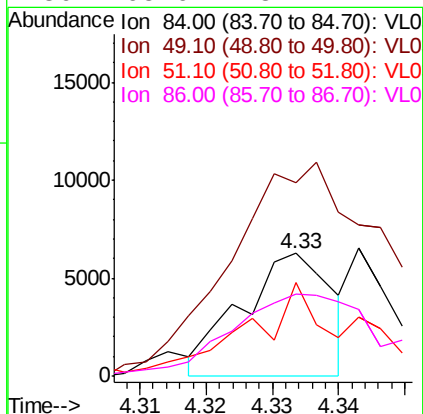
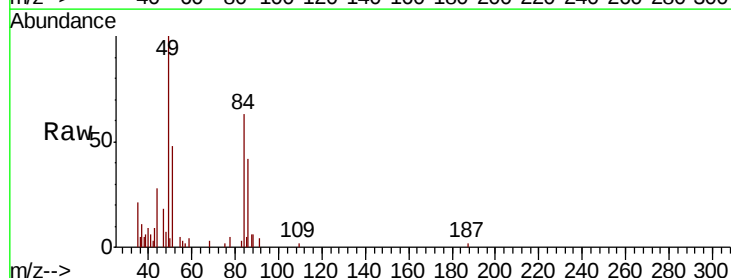
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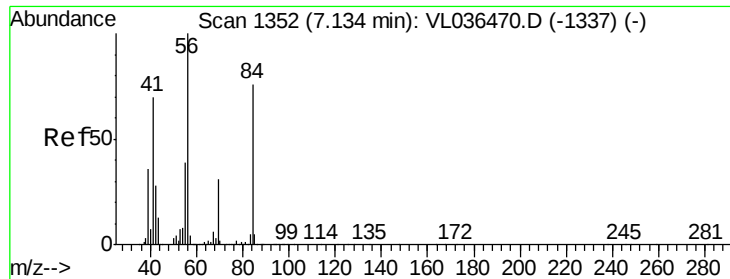
Tot Ion: 43 Resp: 16274
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 0.102 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036766.D
Acq: 9 Apr 2021 1:42

Tgt Ion: 84 Resp: 5905
Ion Ratio Lower Upper
84 100
49 129.2 122.9 184.3
51 71.3 36.9 55.3#
86 65.6 48.2 72.4

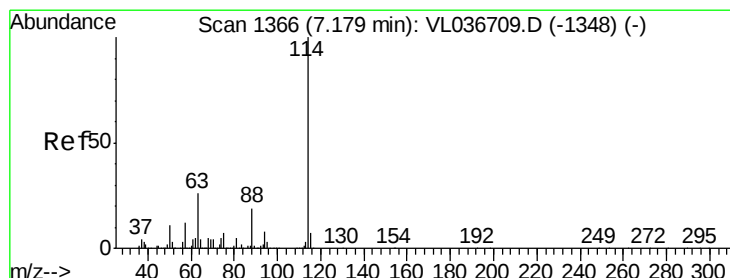
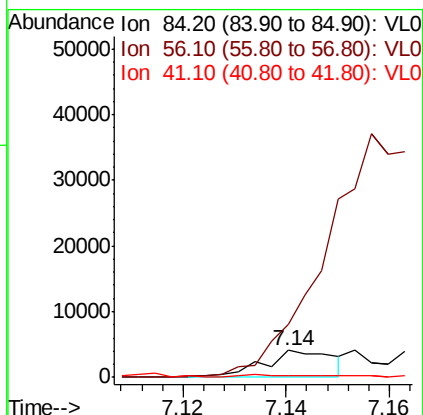
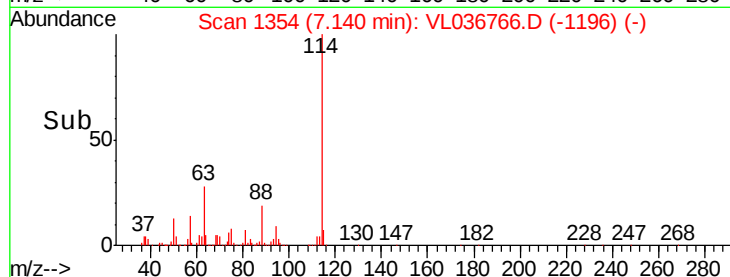
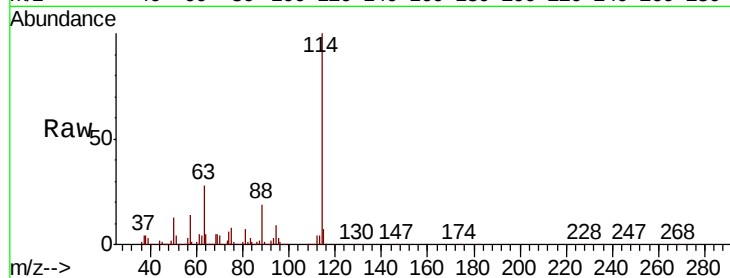




#30
Cvclohexane
Concen: 0.035 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036766.D
Acq: 9 Apr 2021 1:42

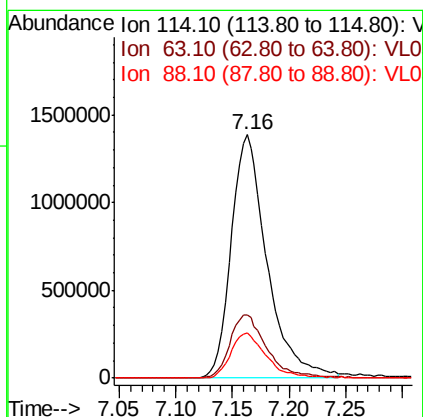
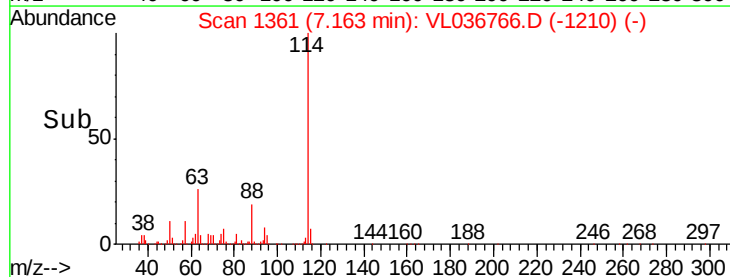
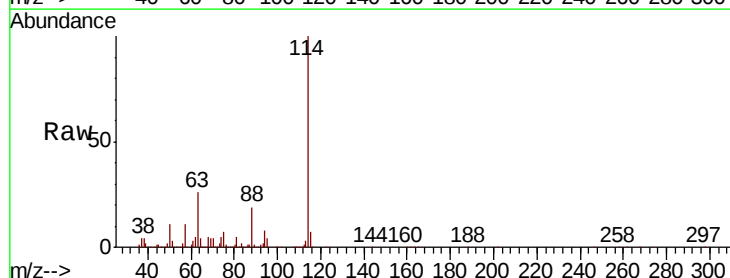
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

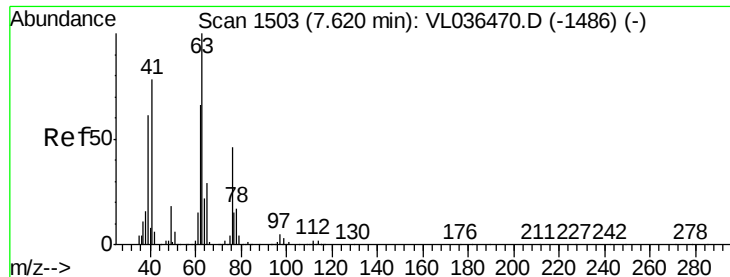
Tot Ion: 84 Resp: 3854
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 16.1 75.3 112.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL036766.D
Acq: 9 Apr 2021 1:42

Tgt Ion: 114 Resp: 3064194
Ion Ratio Lower Upper
114 100
63 27.2 22.4 33.6
88 18.8 15.4 23.0





#39

1,2-Dichloropropane

Concen: 0.127 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. -0.41 min

Lab File: VL036766.D

Acq: 9 Apr 2021 1:42

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

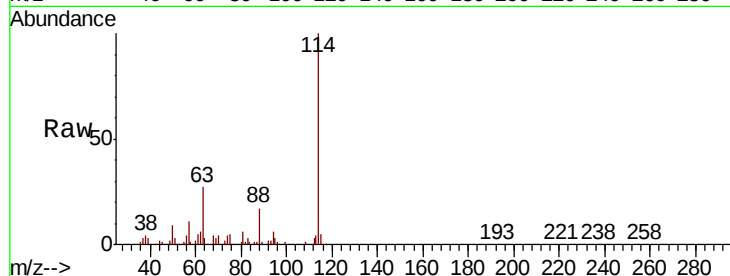
Tot Ion: 63 Resp: 14570

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

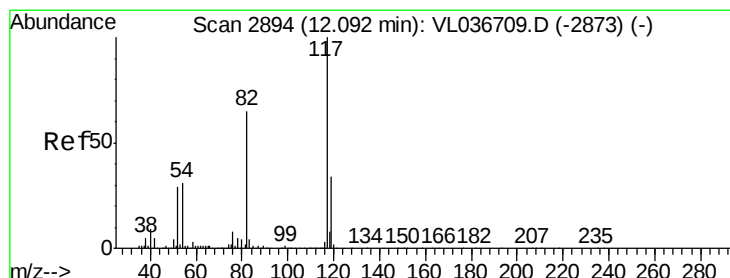
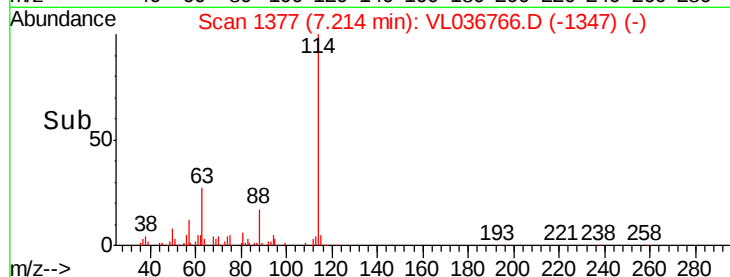
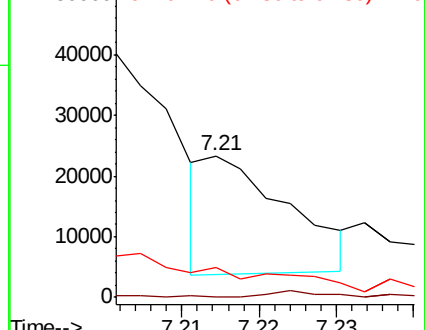
62 20.3 52.8 79.2#



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# 2889

Delta R.T. -0.02 min

Lab File: VL036766.D

Acq: 9 Apr 2021 1:42

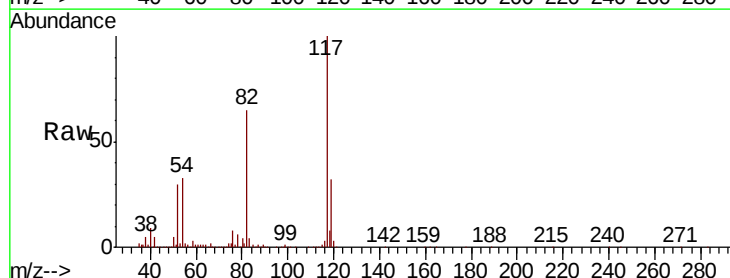
Tgt Ion: 117 Resp: 2428257

Ion Ratio Lower Upper

117 100

82 68.0 57.4 86.0

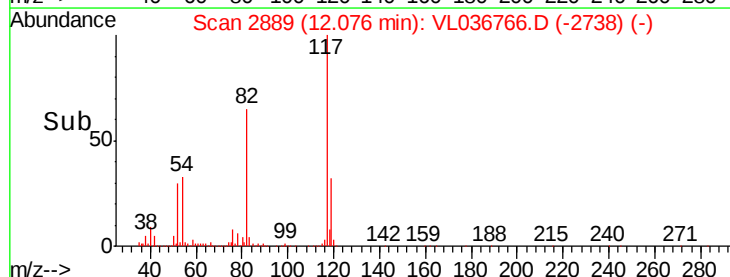
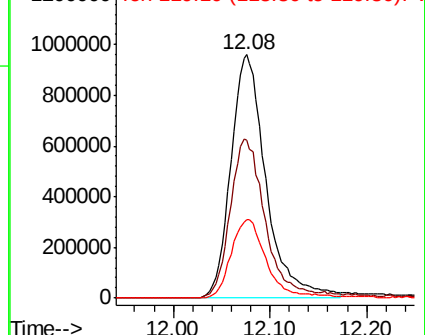
119 33.2 47.4 71.0#

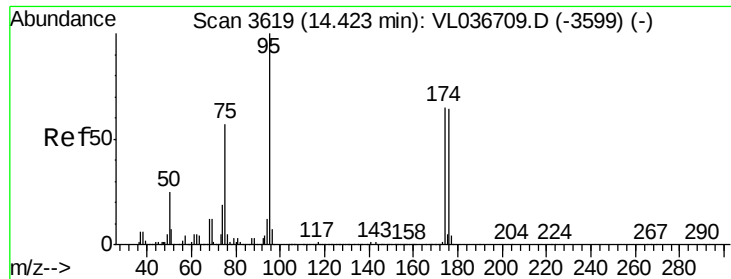


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 7.323 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036766.D

Acq: 9 Apr 2021 1:42

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

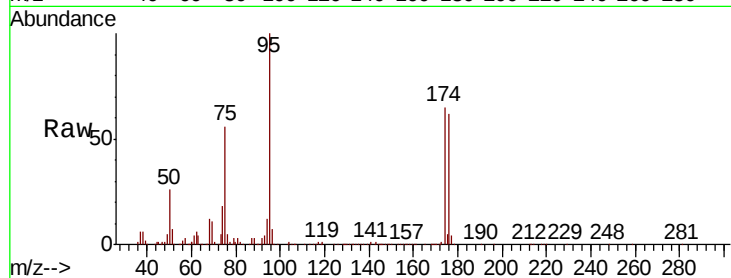
Tot Ion: 95 Resp: 1417185

Ion Ratio Lower Upper

95 100

174 72.3 51.0 76.6

175 5.5 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

