

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036764.D
 Acq On : 9 Apr 2021 00:25
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 09 08:42:33 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	1271969	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3151286	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	2508100	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1539746	7.70	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.00%

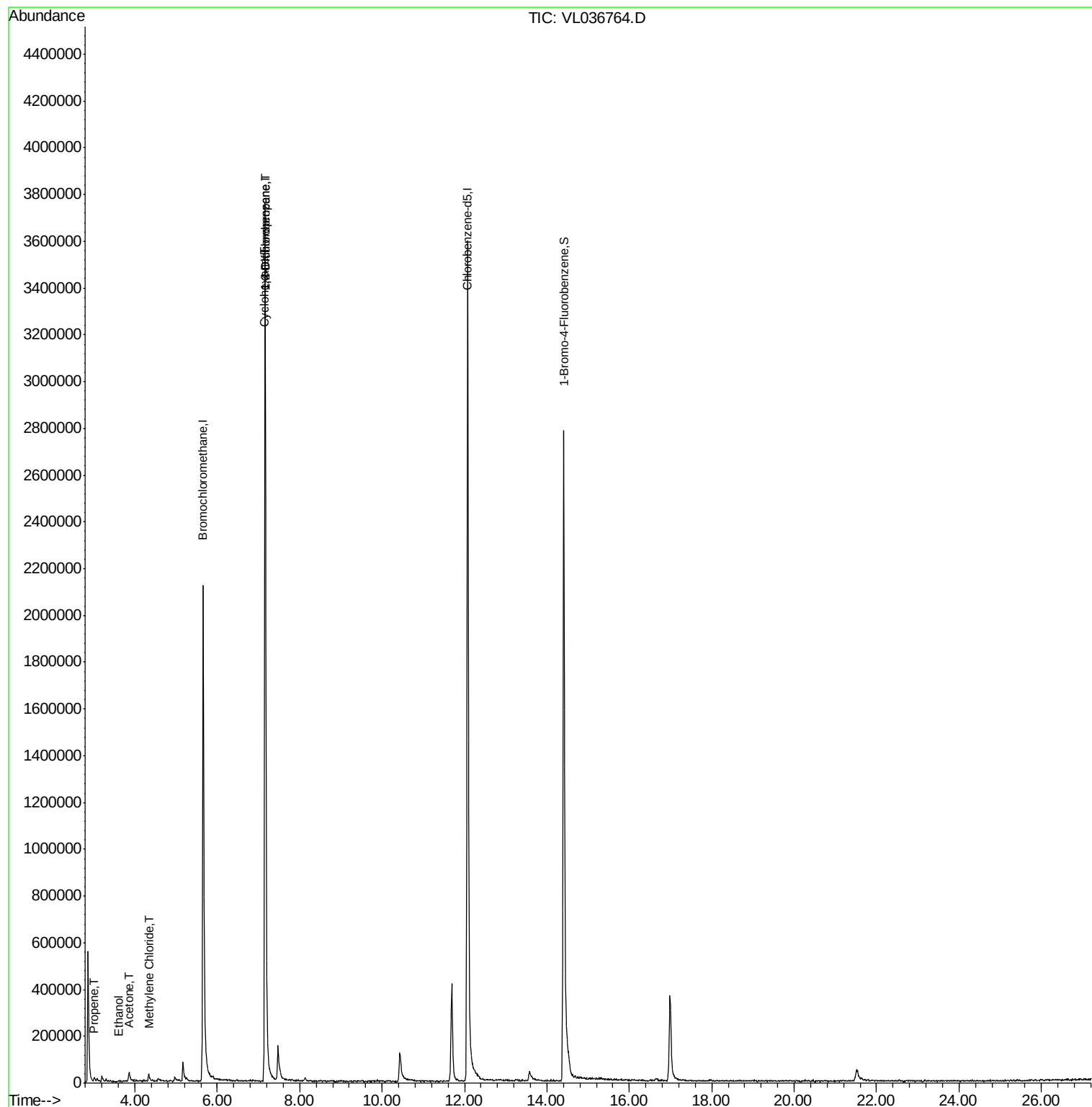
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3899	0.051	ppbv #	14
13) Ethanol	3.60	45	550	0.061	ppbv #	59
15) Acetone	3.85	43	19150	0.153	ppbv #	48
20) Methylene Chloride	4.34	84	10537	0.180	ppbv	83
30) Cyclohexane	7.14	84	3631	0.032	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	822599	6.977	ppbv #	23

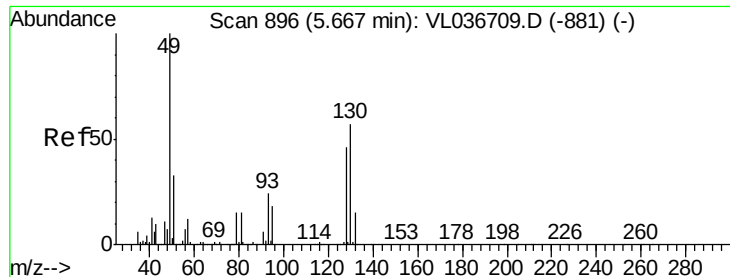
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

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VIBLK

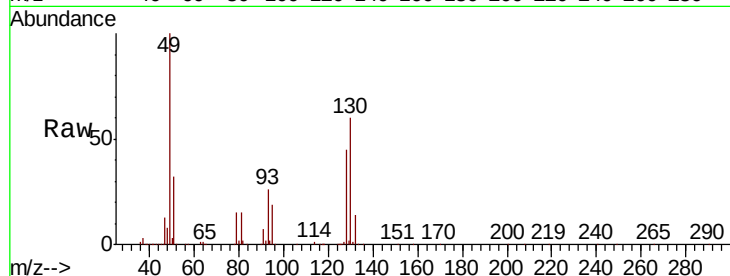
Tot Ion: 49 Resp: 1271969

Ion Ratio Lower Upper

49 100

128 48.1 23.5 70.6

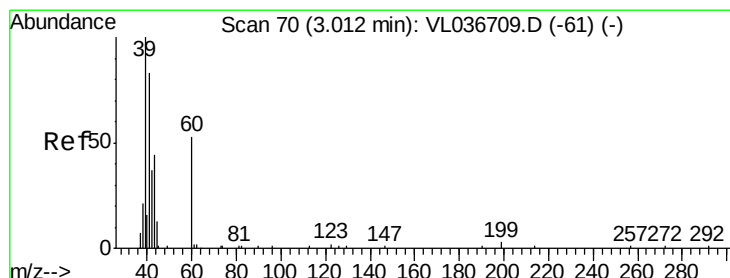
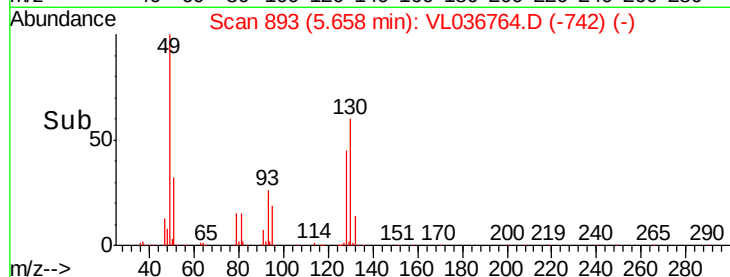
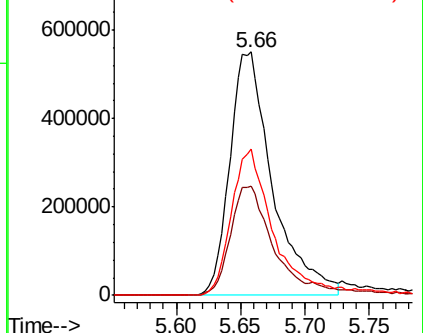
130 61.9 29.1 87.4



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



#9

Propene

Concen: 0.051 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036764.D

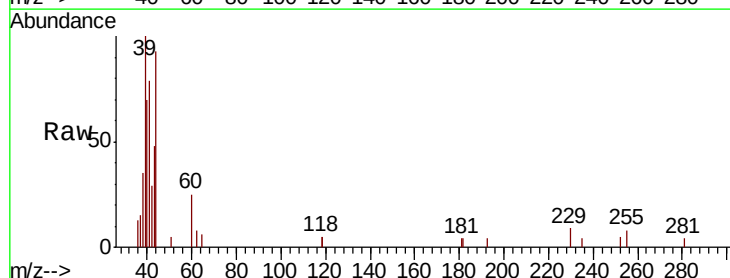
Acq: 9 Apr 2021 00:25

Tgt Ion: 41 Resp: 3899

Ion Ratio Lower Upper

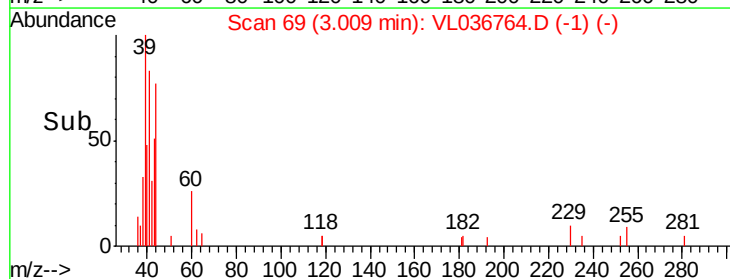
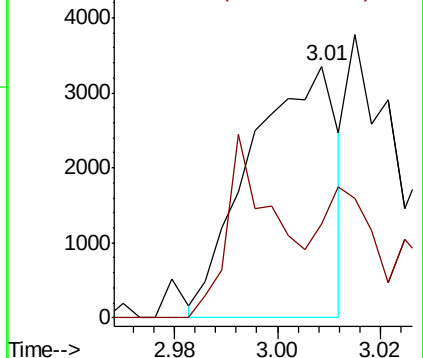
41 100

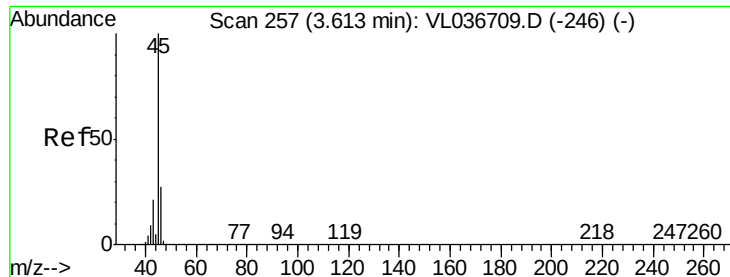
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

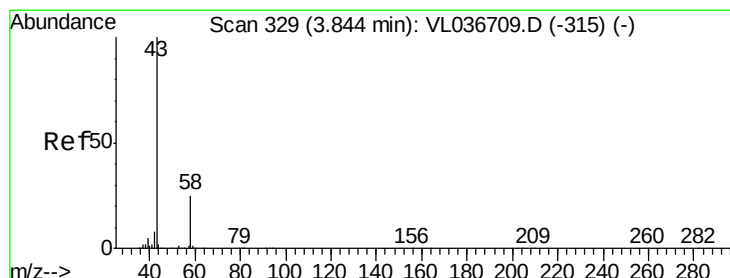
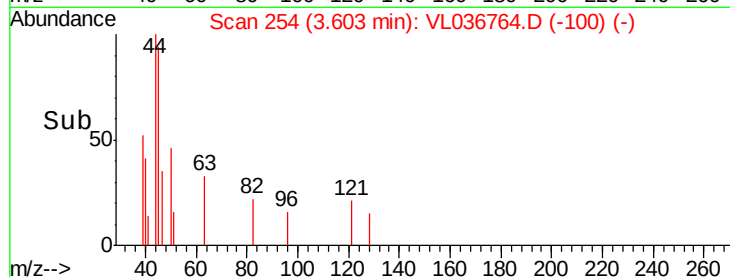
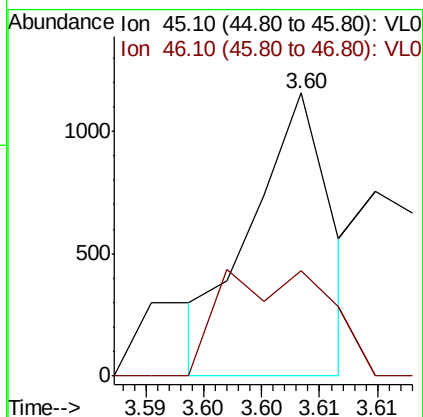
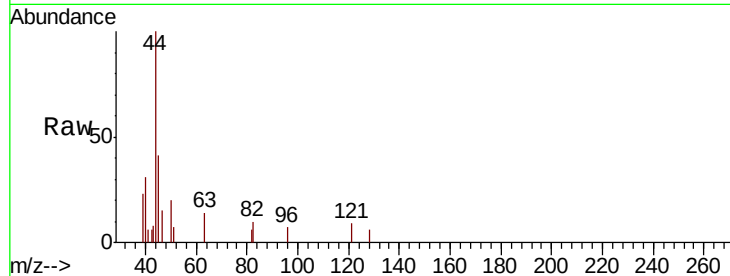




#13
Ethanol
Concen: 0.061 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036764.D
Acq: 9 Apr 2021 00:25

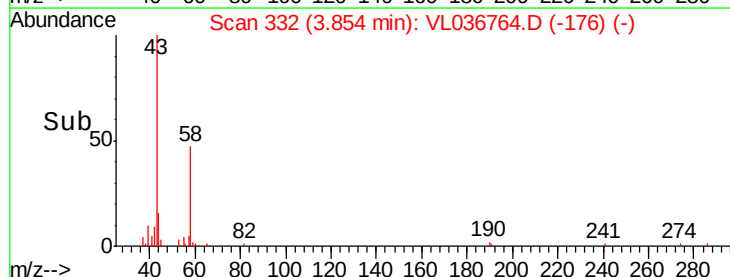
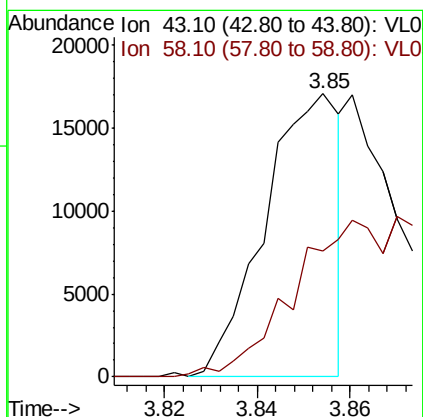
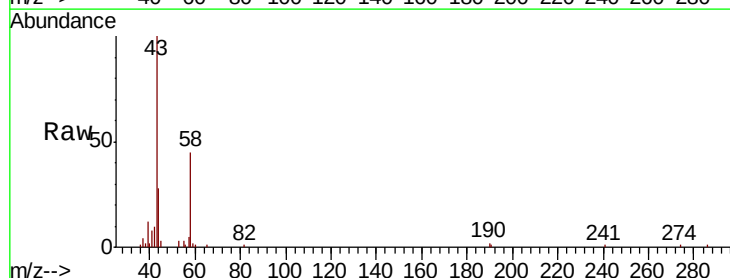
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

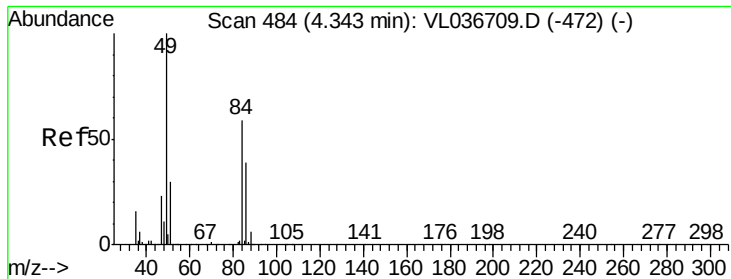
Tot Ion: 45 Resp: 550
Ion Ratio Lower Upper
45 100
46 67.1 16.6 66.2#



#15
Acetone
Concen: 0.153 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036764.D
Acq: 9 Apr 2021 00:25

Tgt Ion: 43 Resp: 19150
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

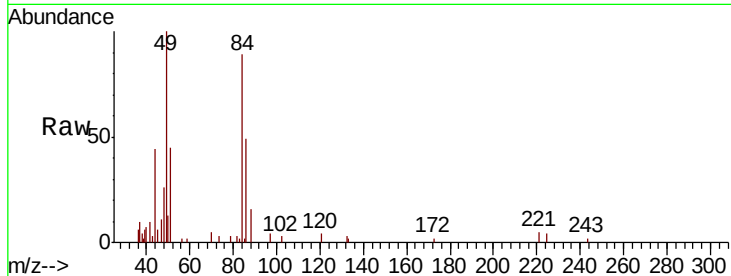




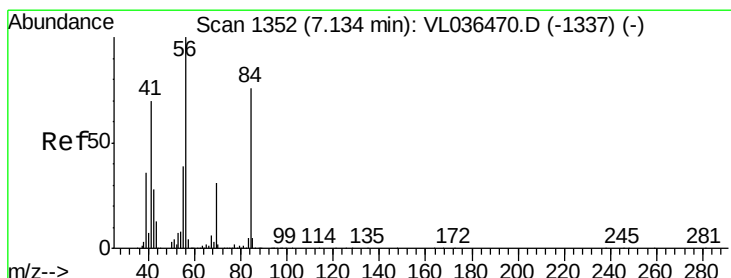
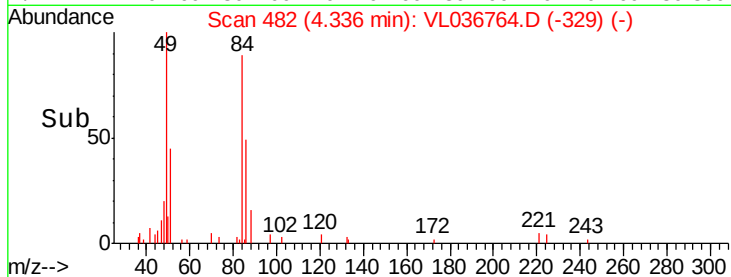
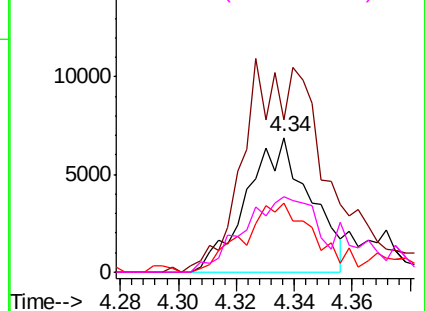
#20
Methylene Chloride
Concen: 0.180 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036764.D
Acq: 9 Apr 2021 00:25

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:	84	Resp:	10537
Ion	Ratio	Lower	Upper
84	100		
49	123.2	122.9	184.3
51	51.1	36.9	55.3
86	55.6	48.2	72.4

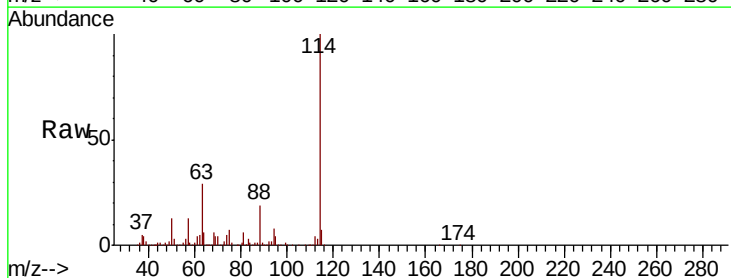


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

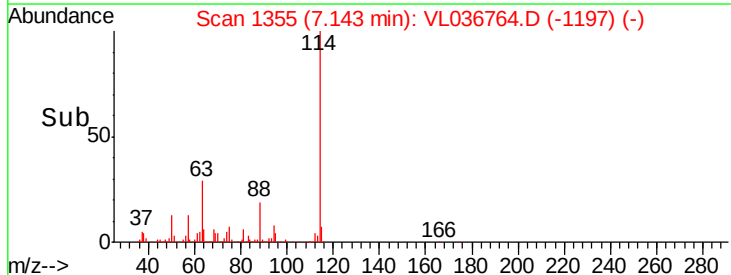
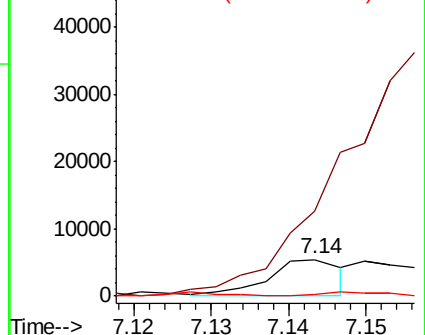


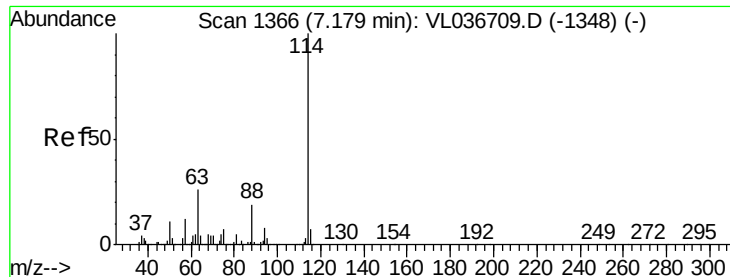
#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036764.D
Acq: 9 Apr 2021 00:25

Tgt Ion:	84	Resp:	3631
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

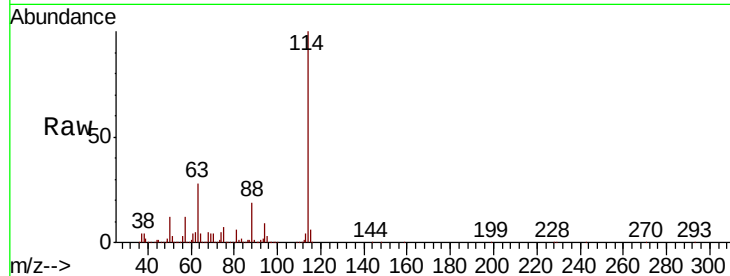




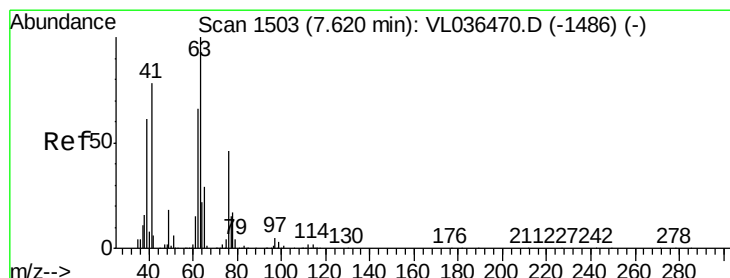
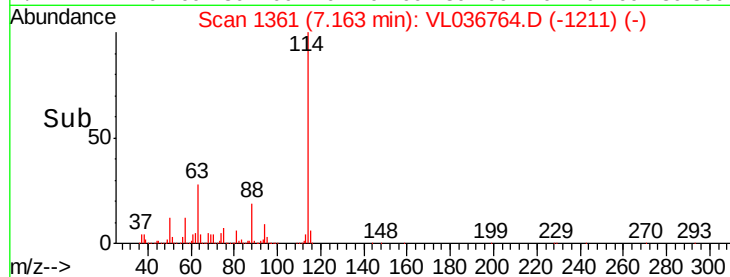
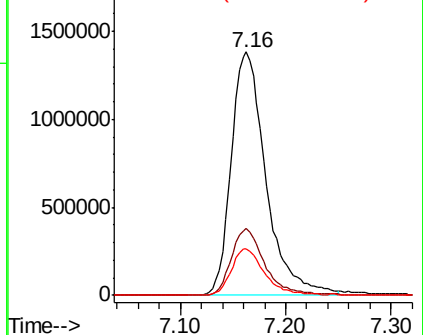
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036764.D
 Acq: 9 Apr 2021 00:25

Instrument :
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 ClientSampleId :
 VIBLK

Tot Ion:114 Resp: 3151286
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 18.8 15.4 23.0

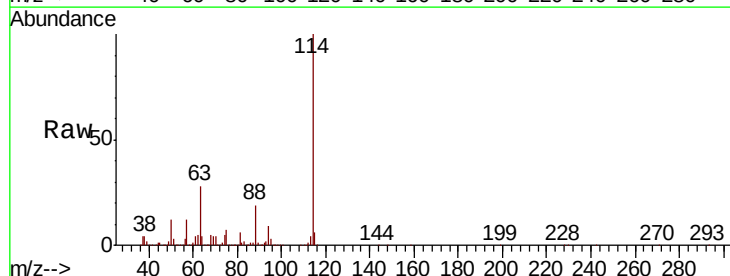


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

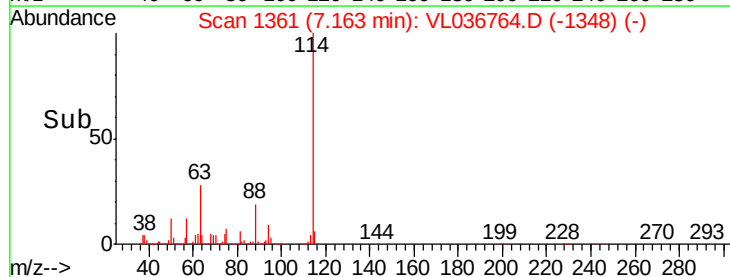
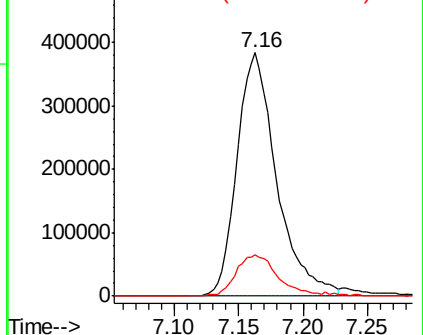


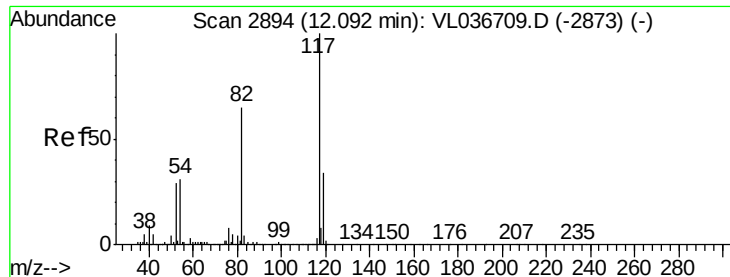
#39
 1,2-Dichloropropane
 Concen: 6.977 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL036764.D
 Acq: 9 Apr 2021 00:25

Tgt Ion: 63 Resp: 822599
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 17.1 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: VL036764.D

Acq: 9 Apr 2021 00:25

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

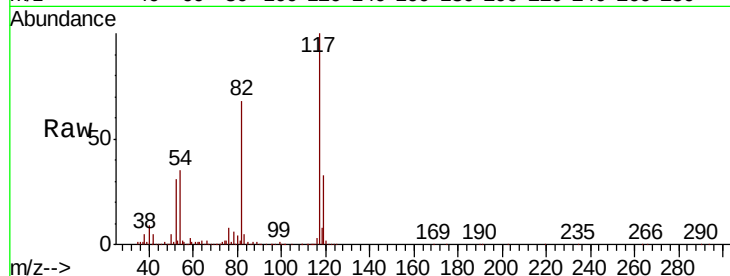
Tot Ion:117 Resp: 2508100

Ion Ratio Lower Upper

117 100

82 69.5 57.4 86.0

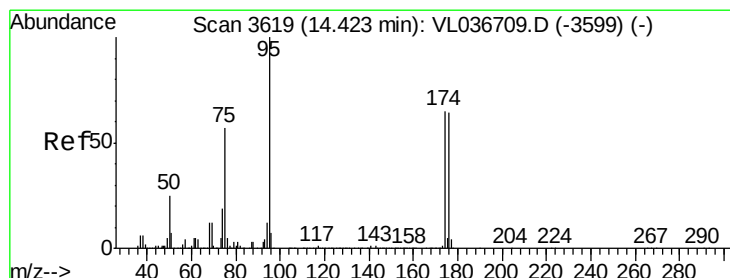
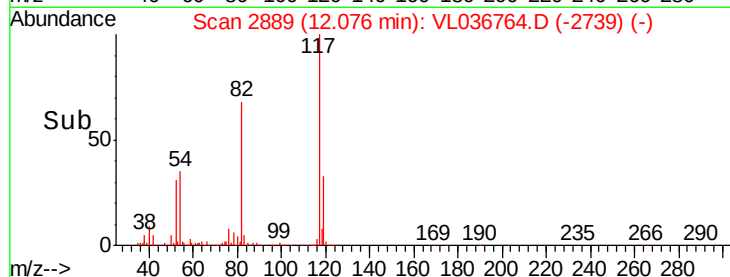
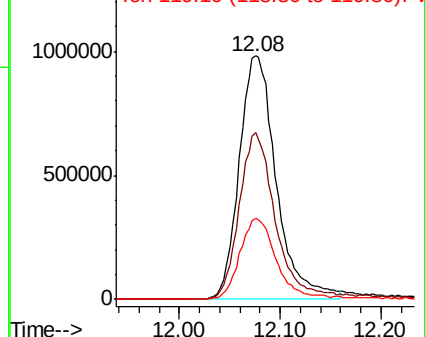
119 33.5 47.4 71.0#



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: 7.703 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036764.D

Acq: 9 Apr 2021 00:25

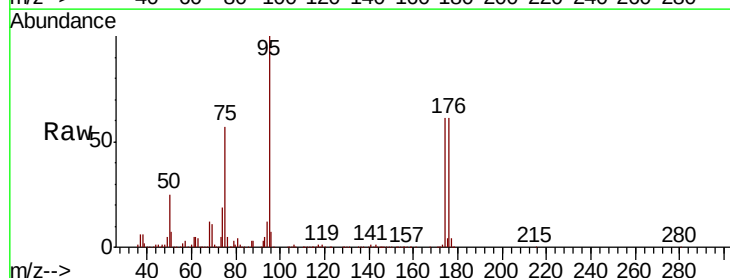
Tgt Ion: 95 Resp: 1539746

Ion Ratio Lower Upper

95 100

174 68.5 51.0 76.6

175 5.1 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

