

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\  
 Data File : VL036721.D  
 Acq On : 7 Apr 2021 8:57  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400mL/MSVOA L  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Apr 08 01:29:15 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   | 1188615  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2888495  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2518372  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 1977377  | 9.85     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.50% |

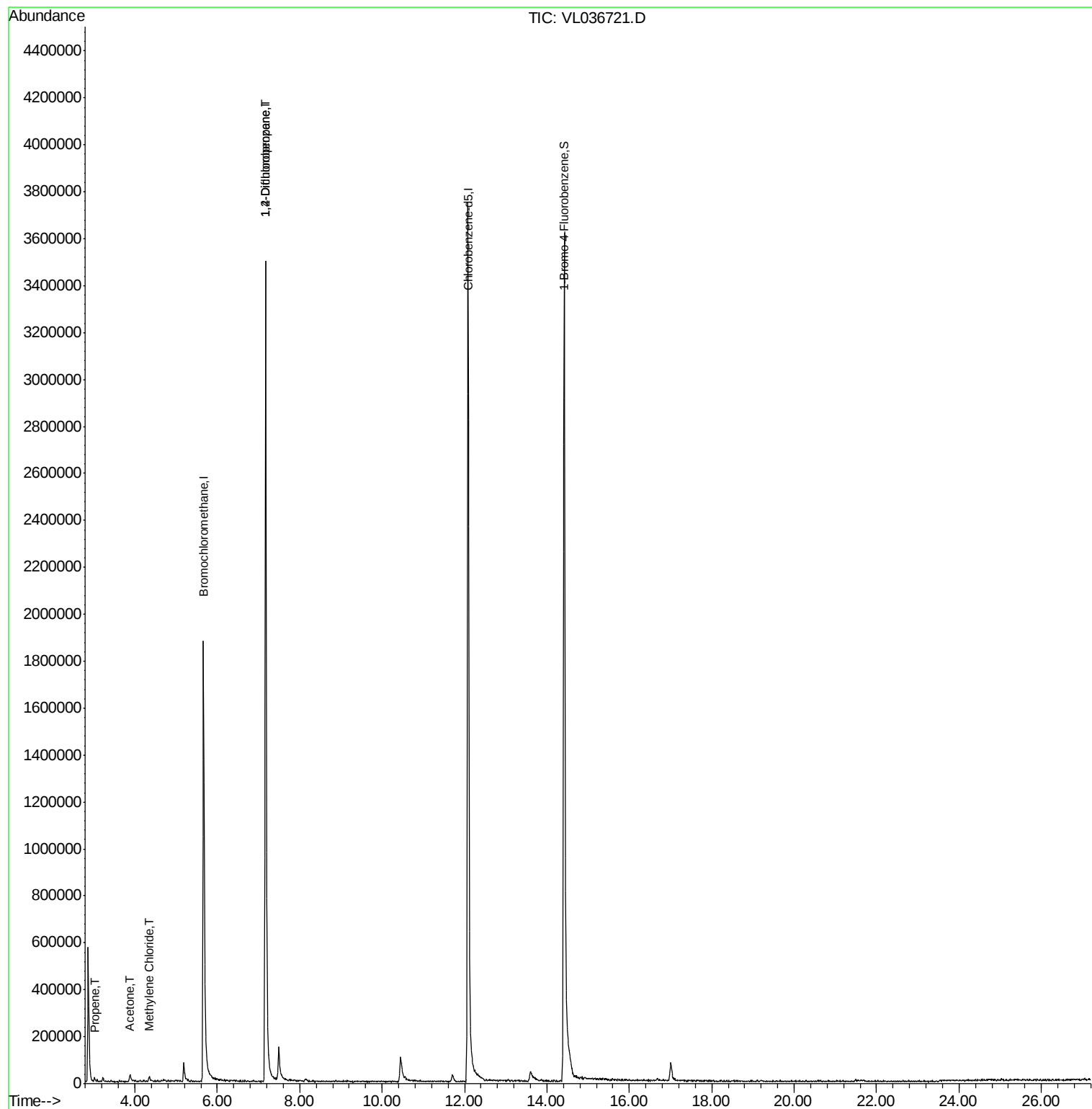
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.01 | 41   | 2748     | 0.039 | ppbv # | 6      |
| 15) Acetone             | 3.87 | 43   | 11001    | 0.094 | ppbv # | 48     |
| 20) Methylene Chloride  | 4.35 | 84   | 4062     | 0.074 | ppbv # | 57     |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 775866   | 7.180 | ppbv # | 24     |

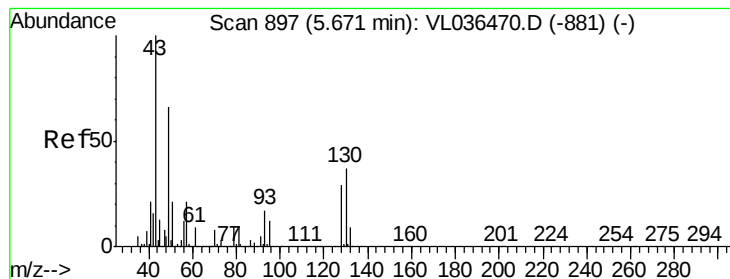
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036721.D

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Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

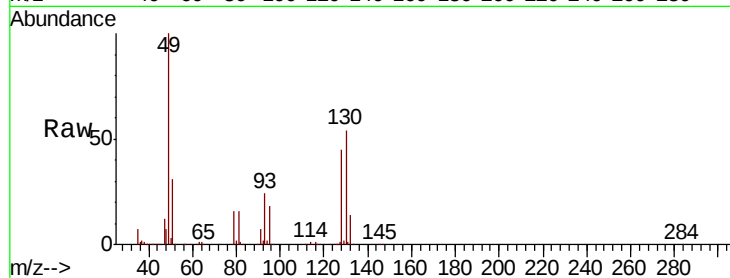
Tot Ion: 49 Resp: 1188615

Ion Ratio Lower Upper

49 100

128 46.6 23.5 70.6

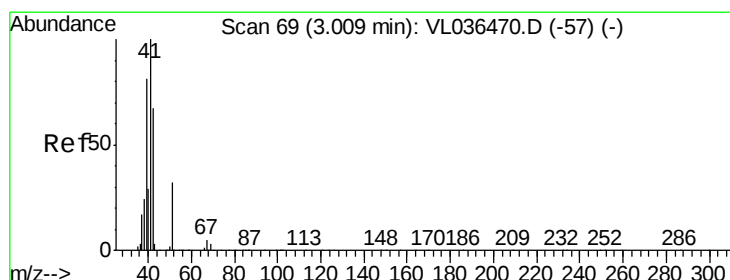
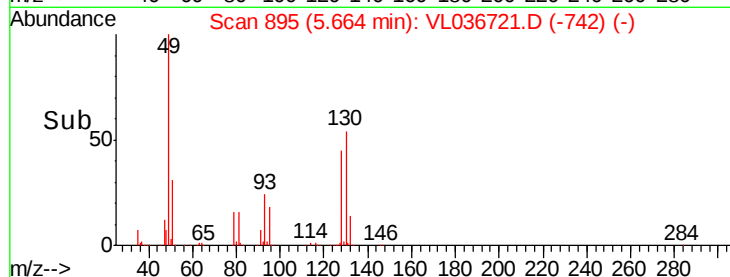
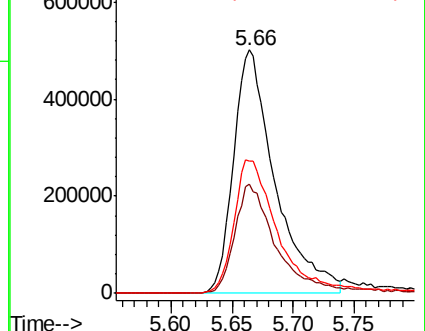
130 60.8 29.1 87.4



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: 0.039 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL036721.D

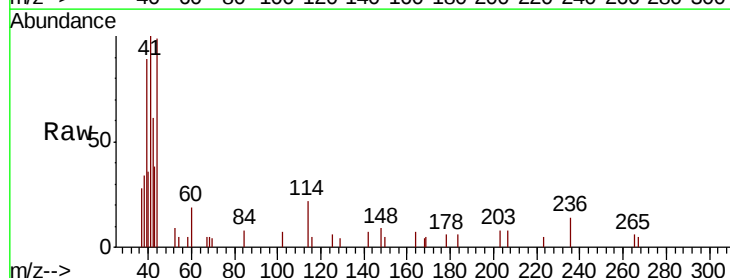
Acq: 7 Apr 2021 8:57

Tgt Ion: 41 Resp: 2748

Ion Ratio Lower Upper

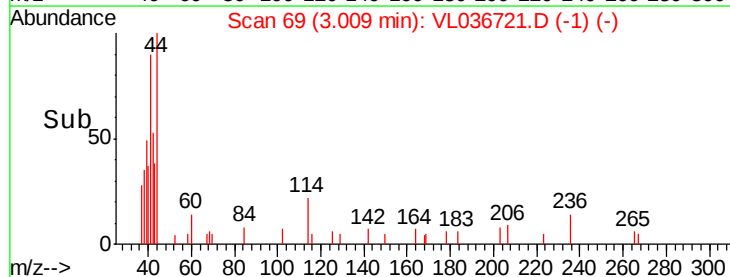
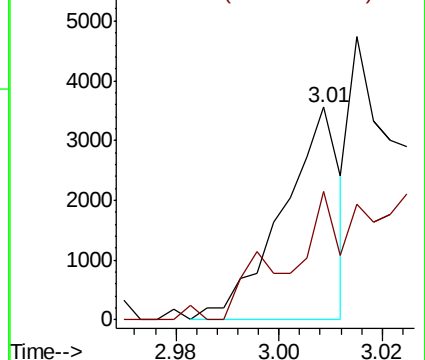
41 100

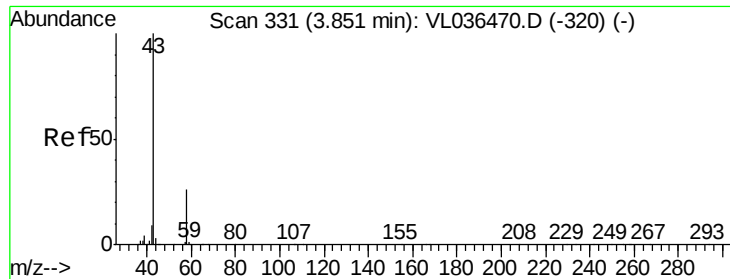
42 149.1 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.094 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL036721.D

Acq: 7 Apr 2021 8:57

Instrument :

MSVOA\_L

ClientSampleId :

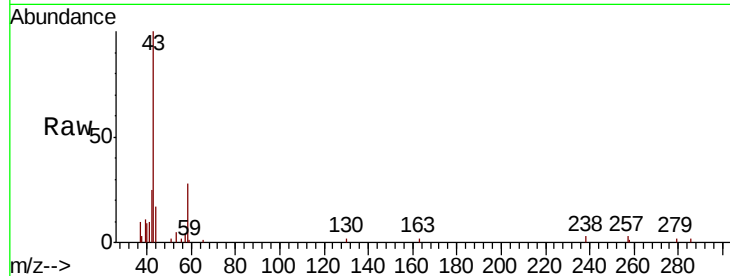
VIBLK

Tot Ion: 43 Resp: 11001

Ion Ratio Lower Upper

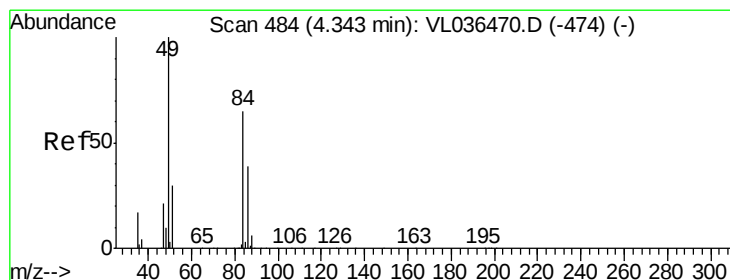
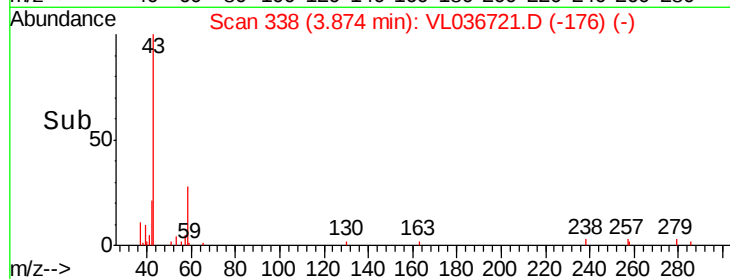
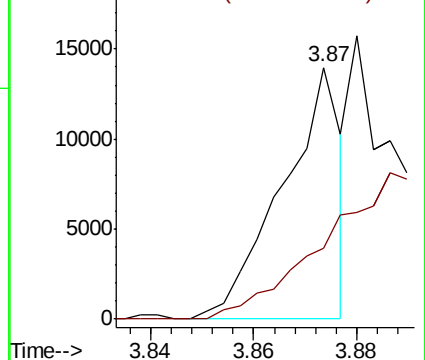
43 100

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

Methylene Chloride

Concen: 0.074 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036721.D

Acq: 7 Apr 2021 8:57

Tgt Ion: 84 Resp: 4062

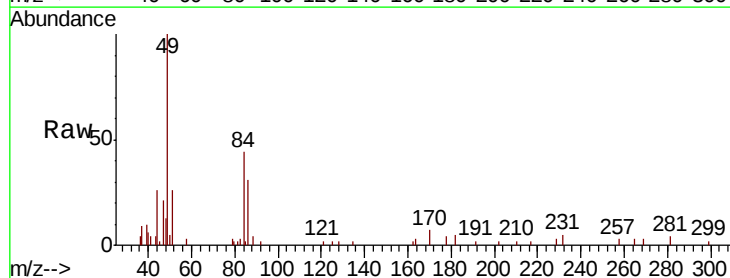
Ion Ratio Lower Upper

84 100

49 223.5 122.9 184.3#

51 65.3 36.9 55.3#

86 79.0 48.2 72.4#

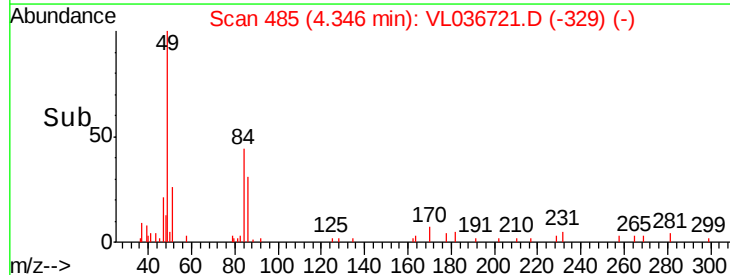
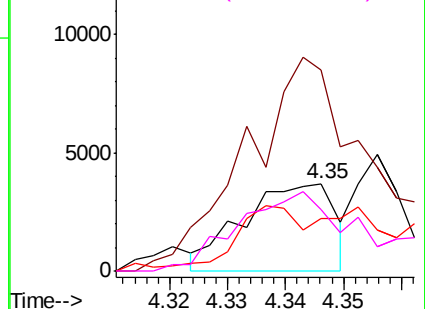


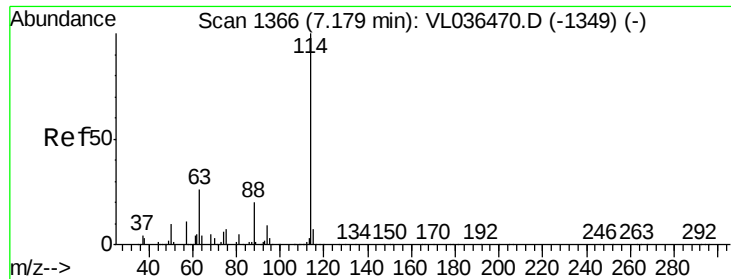
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

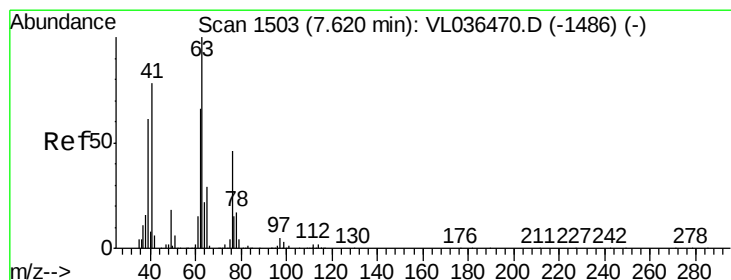
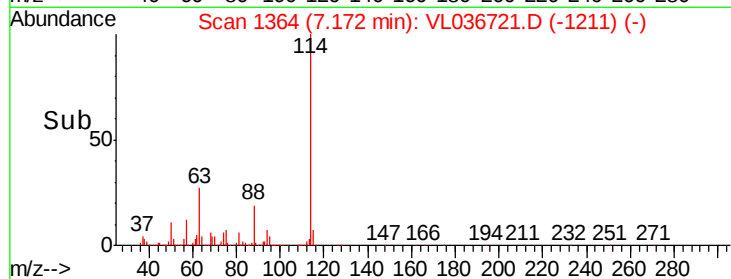
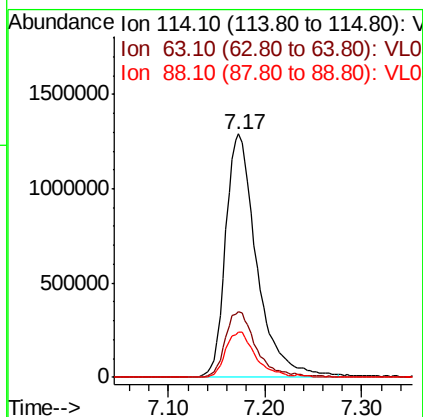
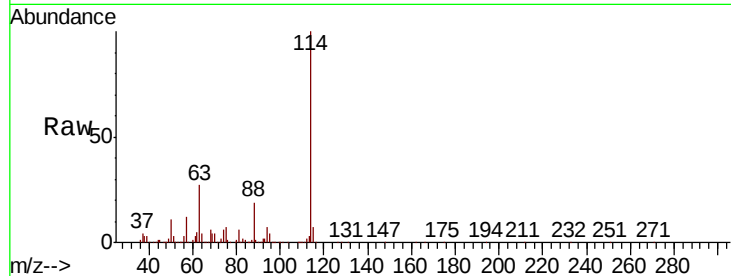




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: VL036721.D  
 Acq: 7 Apr 2021 8:57

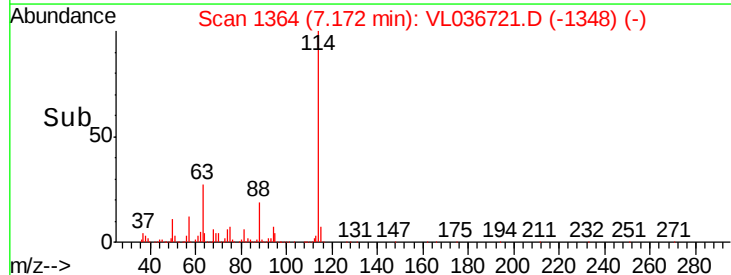
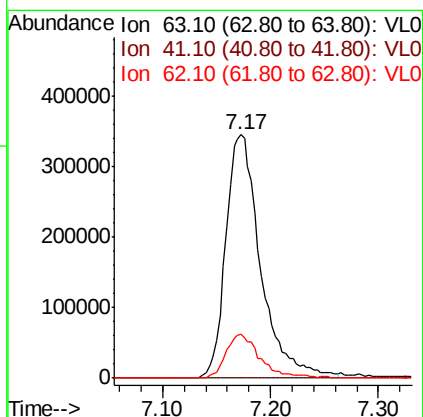
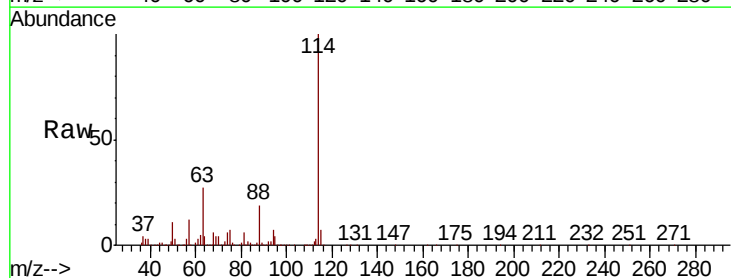
Instrument :  
 MSVOA\_L  
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 VIBLK

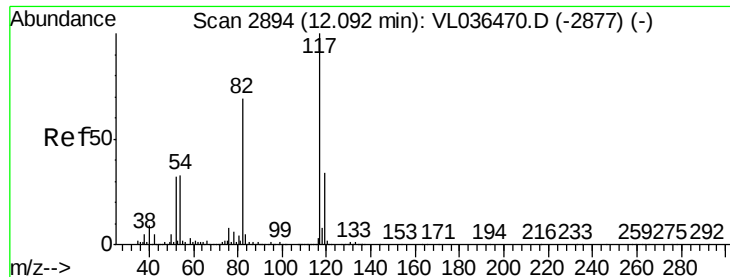
Tot Ion:114 Resp: 2888495  
 Ion Ratio Lower Upper  
 114 100  
 63 27.5 22.4 33.6  
 88 18.7 15.4 23.0



#39  
 1,2-Dichloropropane  
 Concen: 7.180 ppbv  
 RT: 7.17 min Scan# 1364  
 Delta R.T. -0.45 min  
 Lab File: VL036721.D  
 Acq: 7 Apr 2021 8:57

Tgt Ion: 63 Resp: 775866  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 62.4 93.6#  
 62 18.0 52.8 79.2#

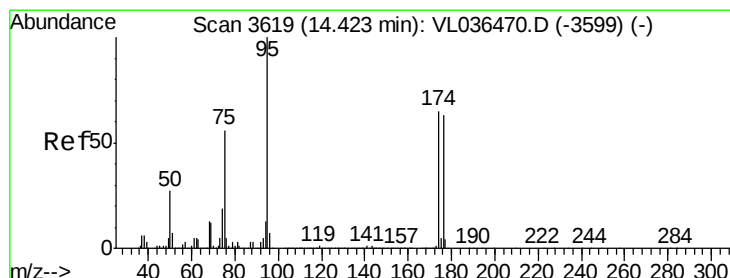
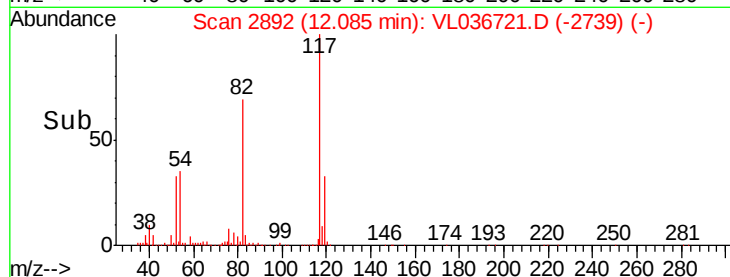
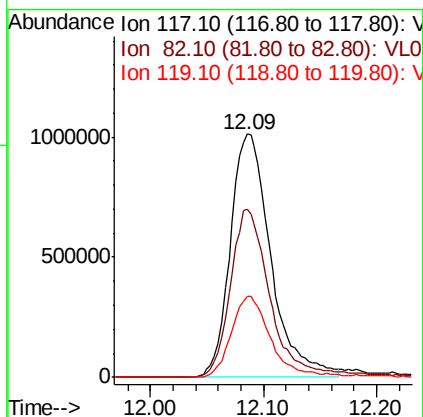
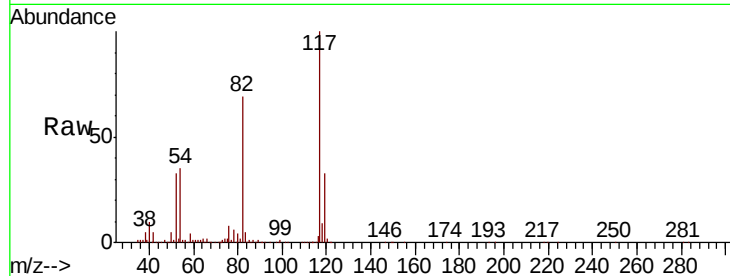




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min Scan# 2892  
Delta R.T. -0.01 min  
Lab File: VL036721.D  
Acq: 7 Apr 2021 8:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

Tot Ion:117 Resp: 2518372  
Ion Ratio Lower Upper  
117 100  
82 69.7 57.4 86.0  
119 33.8 47.4 71.0#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.852 ppbv  
RT: 14.42 min Scan# 3617  
Delta R.T. -0.01 min  
Lab File: VL036721.D  
Acq: 7 Apr 2021 8:57

Tgt Ion: 95 Resp: 1977377  
Ion Ratio Lower Upper  
95 100  
174 65.8 51.0 76.6  
175 4.6 3.9 5.9

