

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\  
 Data File : VL035157.D  
 Acq On : 6 Jul 2020 22:21  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 07 05:06:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Sat Jun 20 02:10:36 2020  
 QLast Update : Sat Jun 20 02:10:36 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 952751   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 2276420  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 2101746  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 1803410  | 10.33    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.30% |

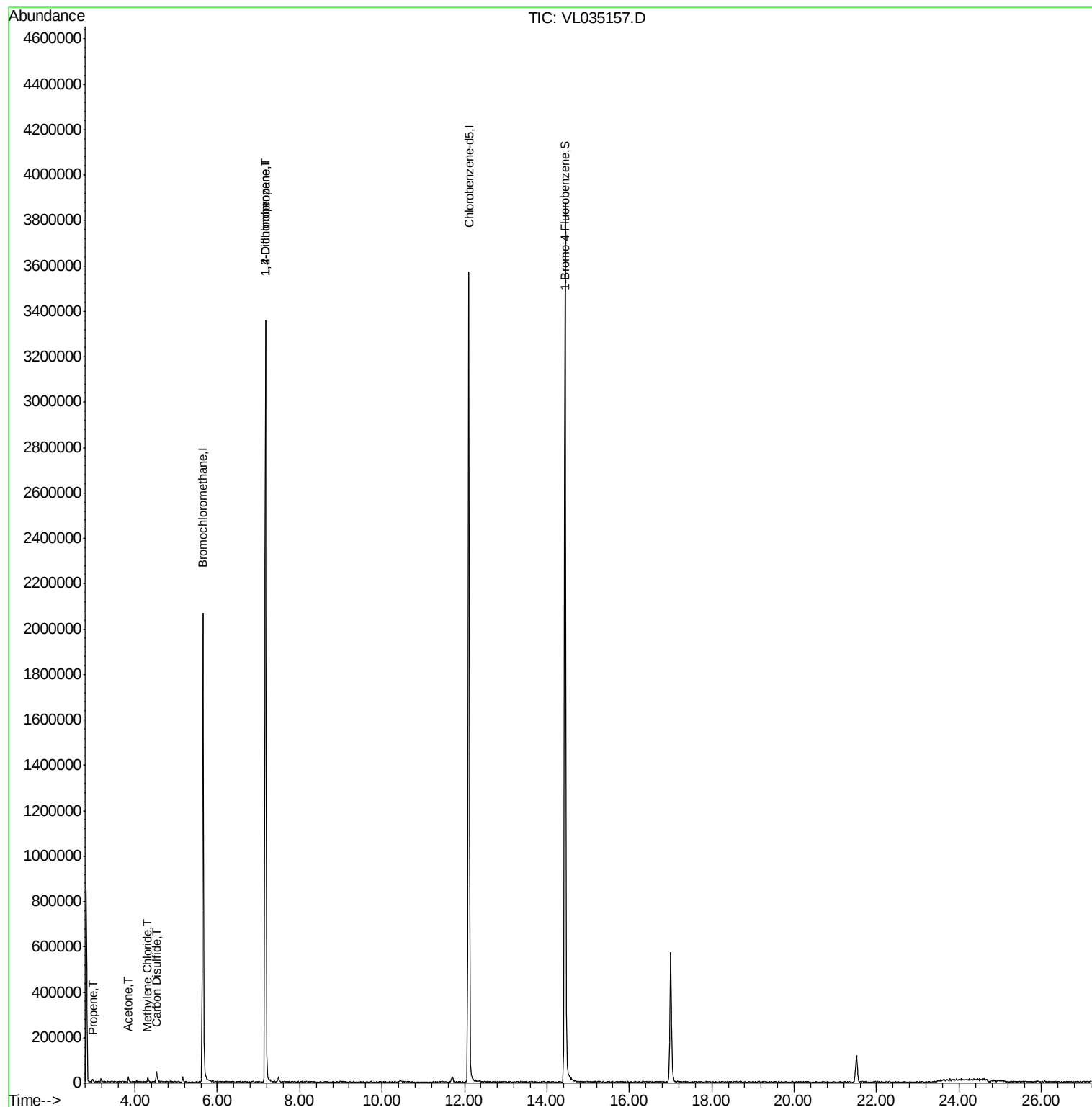
| Target Compounds        |      |    |        |              | Ovalue |
|-------------------------|------|----|--------|--------------|--------|
| 9) Propene              | 2.96 | 41 | 1704   | 0.041 ppbv # | 24     |
| 15) Acetone             | 3.84 | 43 | 11627  | 0.101 ppbv # | 48     |
| 20) Methylene Chloride  | 4.31 | 84 | 2598   | 0.056 ppbv # | 76     |
| 27) Carbon Disulfide    | 4.52 | 76 | 52266  | 0.539 ppbv # | 92     |
| 39) 1,2-Dichloropropane | 7.17 | 63 | 613939 | 8.905 ppbv # | 25     |

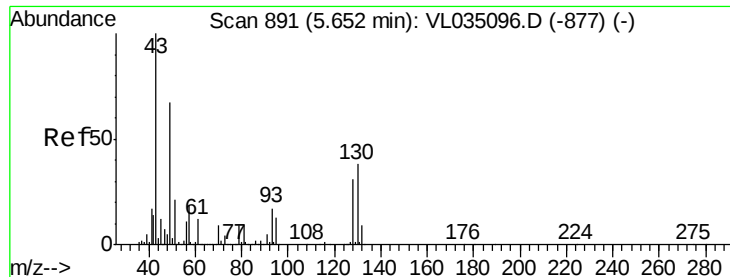
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 20 02:10:36 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035157.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

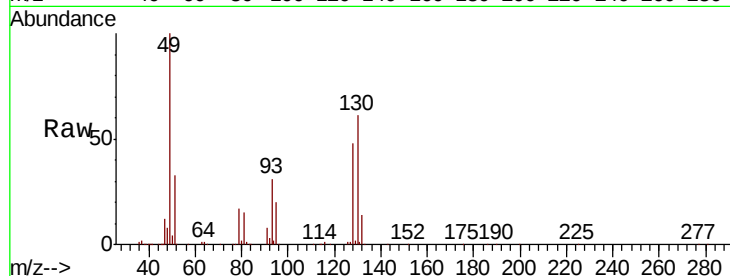
Tot Ion: 49 Resp: 952751

Ion Ratio Lower Upper

49 100

128 48.9 22.9 68.5

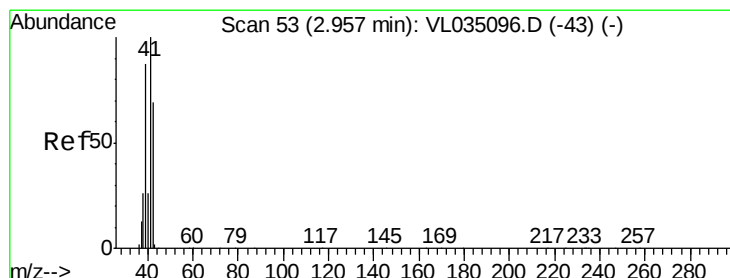
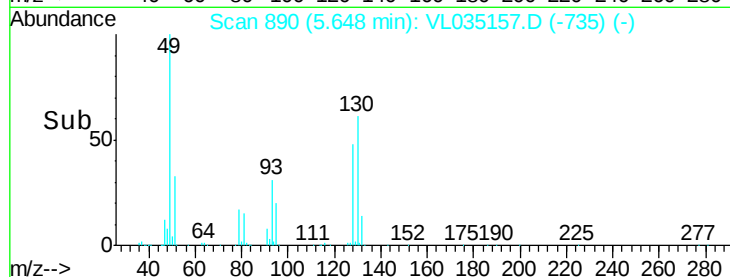
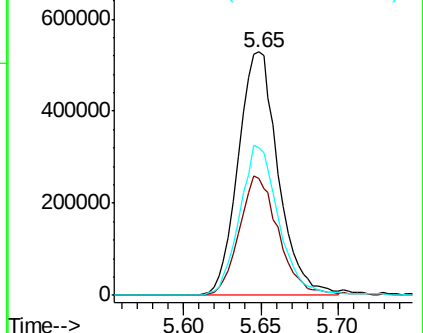
130 60.7 29.0 87.0



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: 0.041 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.01 min

Lab File: VL035157.D

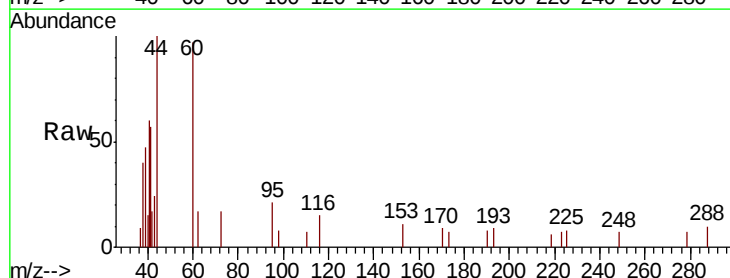
Acq: 6 Jul 2020 22:21

Tgt Ion: 41 Resp: 1704

Ion Ratio Lower Upper

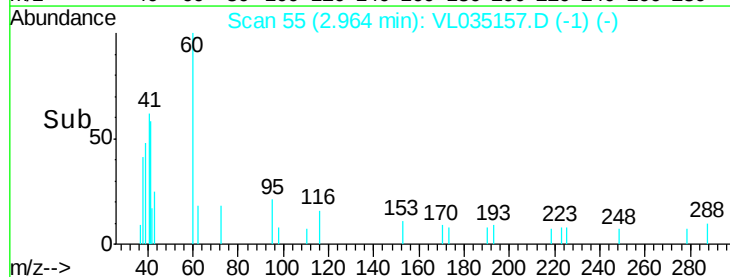
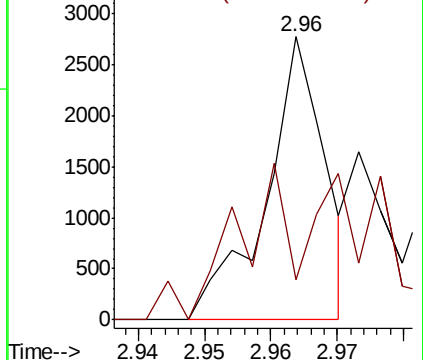
41 100

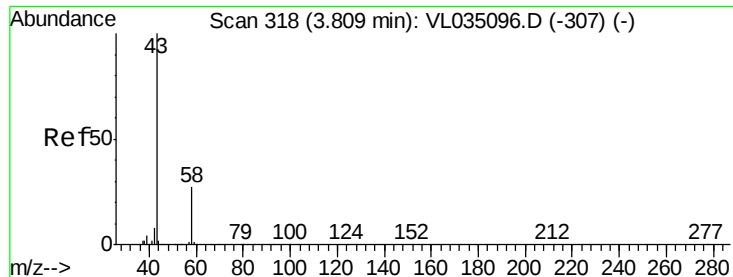
42 132.0 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

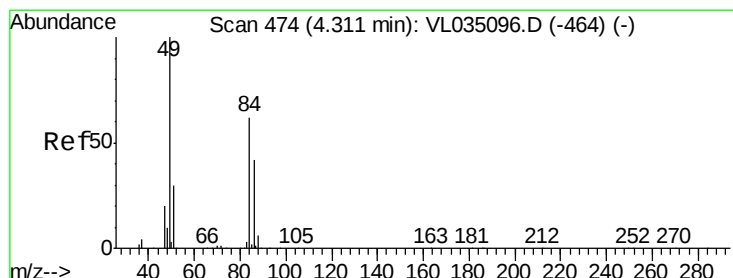
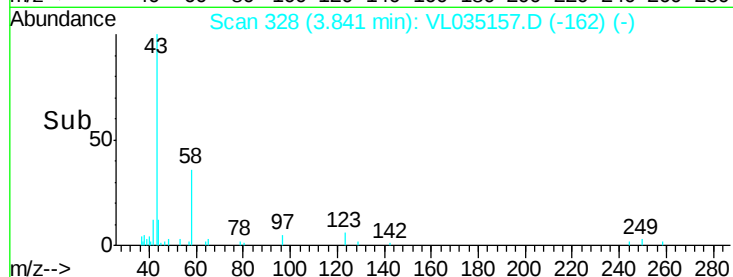
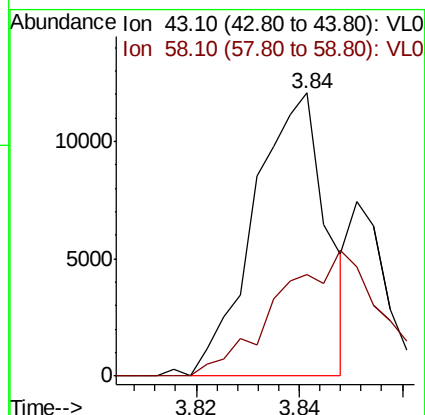
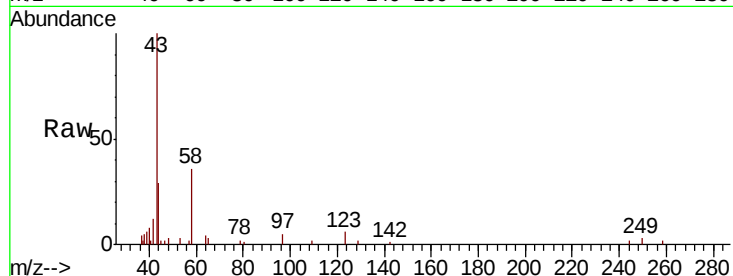




#15  
Acetone  
Concen: 0.101 ppbv  
RT: 3.84 min Scan# 328  
Delta R.T. 0.03 min  
Lab File: VL035157.D  
Acq: 6 Jul 2020 22:21

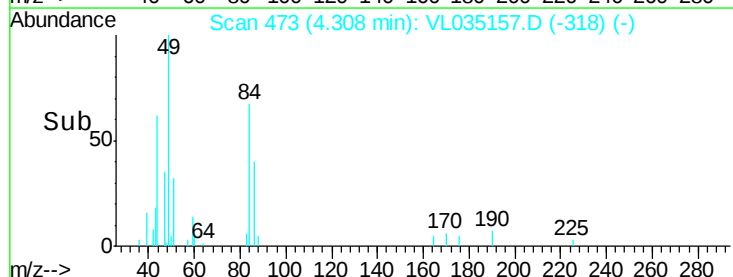
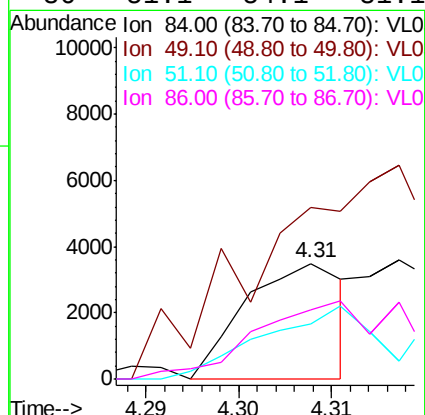
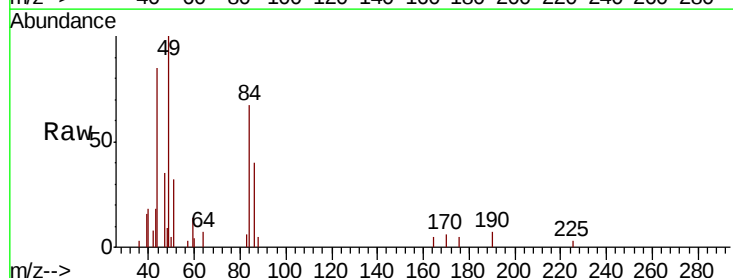
Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

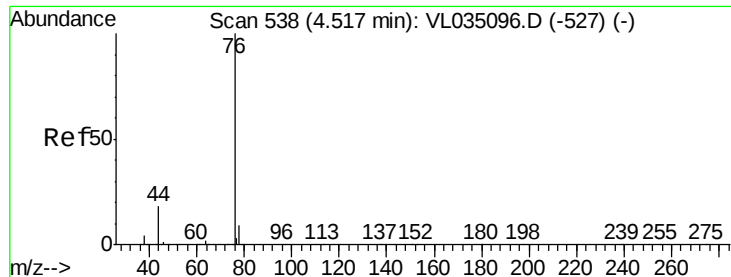
Tot Ion: 43 Resp: 11627  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.8 32.6#



#20  
Methylene Chloride  
Concen: 0.056 ppbv  
RT: 4.31 min Scan# 473  
Delta R.T. -0.00 min  
Lab File: VL035157.D  
Acq: 6 Jul 2020 22:21

Tgt Ion: 84 Resp: 2598  
Ion Ratio Lower Upper  
84 100  
49 122.3 128.8 193.2#  
51 41.8 38.7 58.1  
86 51.1 54.1 81.1#

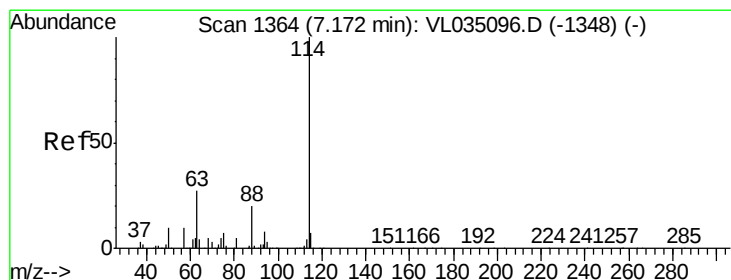
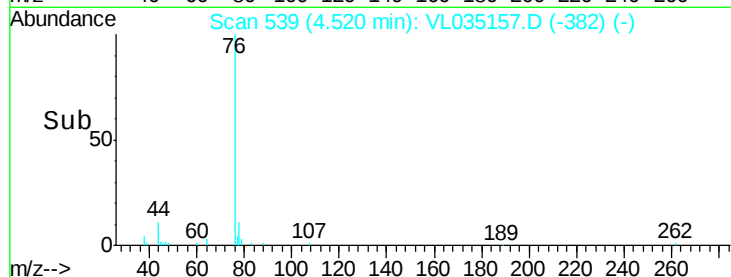
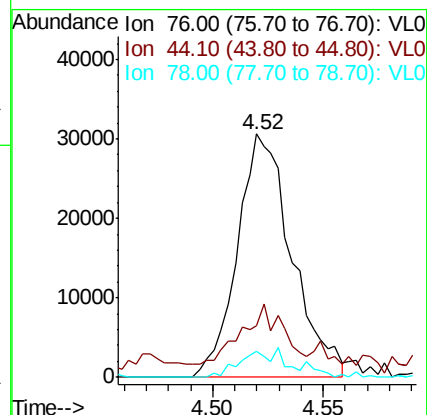
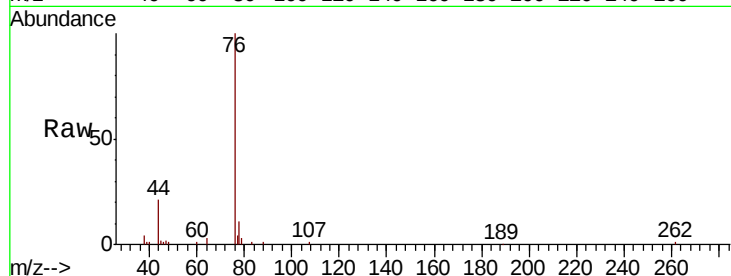




#27  
Carbon Disulfide  
Concen: 0.539 ppbv  
RT: 4.52 min Scan# 539  
Delta R.T. 0.00 min  
Lab File: VL035157.D  
Acq: 6 Jul 2020 22:21

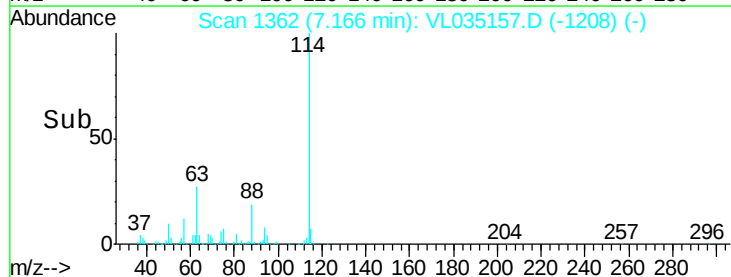
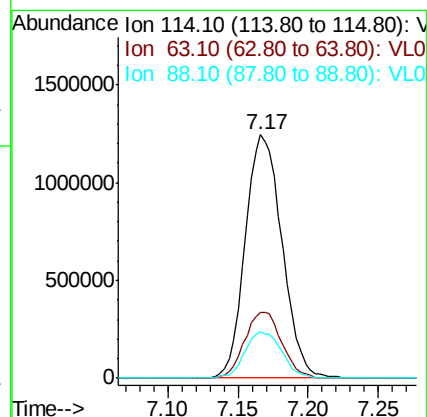
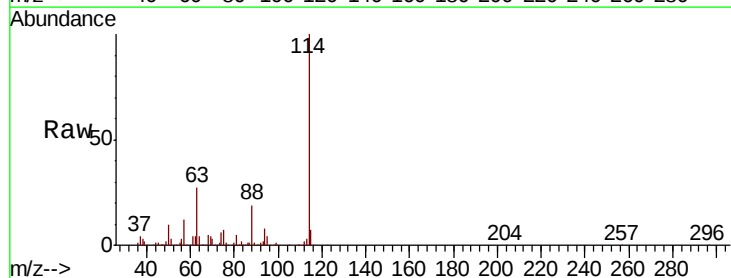
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ClientSampleId :  
VIBLK

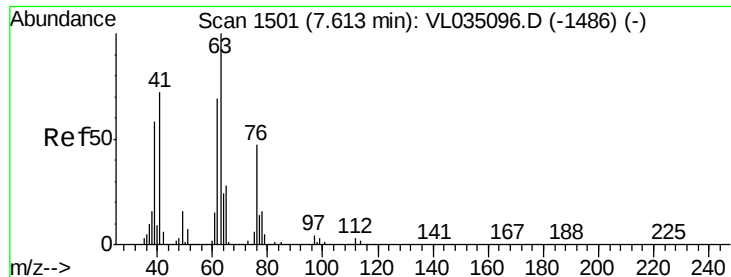
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 44      | 24.5  | 15.8  | 23.8# |
| 78      | 11.1  | 7.6   | 11.4  |



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.17 min Scan# 1362  
Delta R.T. -0.01 min  
Lab File: VL035157.D  
Acq: 6 Jul 2020 22:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 27.3  | 21.9  | 32.9  |
| 88      | 19.2  | 15.6  | 23.4  |

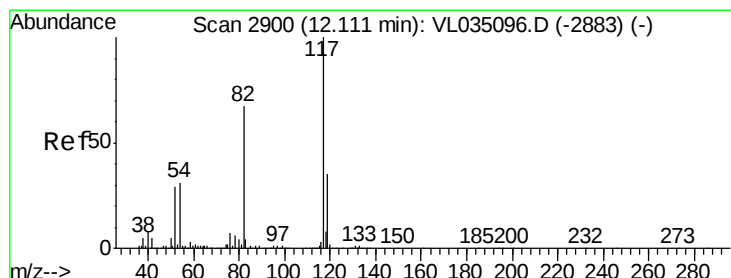
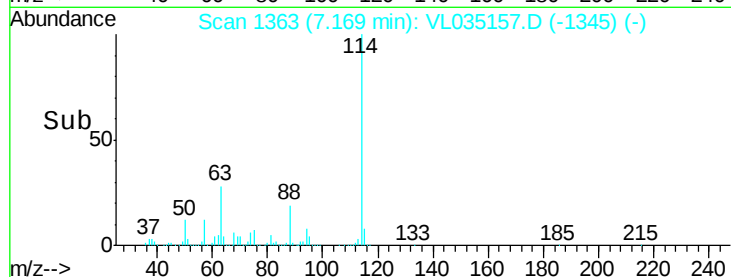
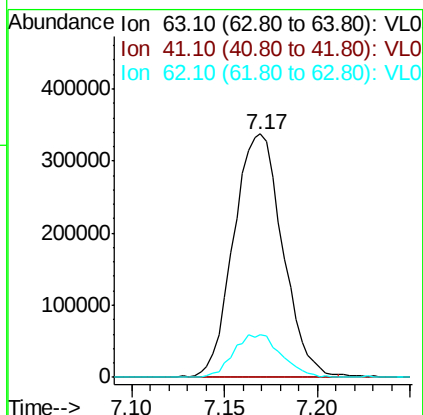
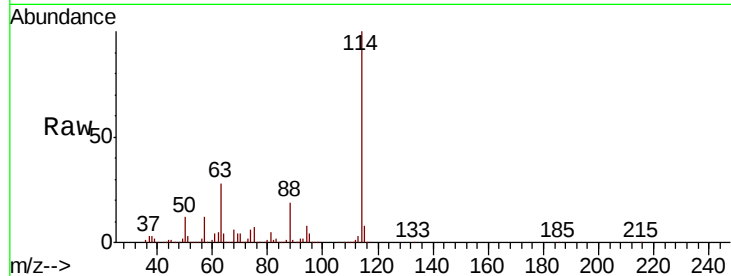




#39  
 1,2-Dichloropropane  
 Concen: 8.905 ppbv  
 RT: 7.17 min Scan# 1363  
 Delta R.T. -0.44 min  
 Lab File: VL035157.D  
 Acq: 6 Jul 2020 22:21

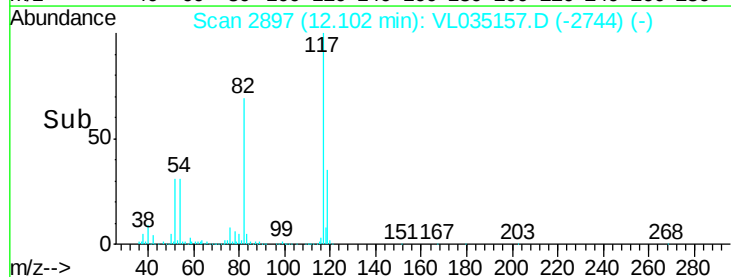
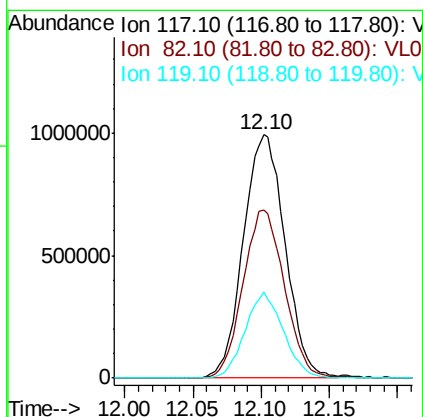
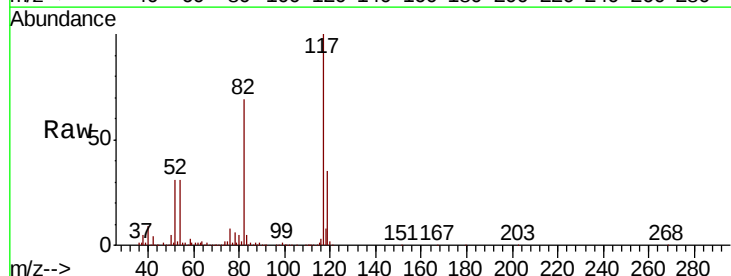
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

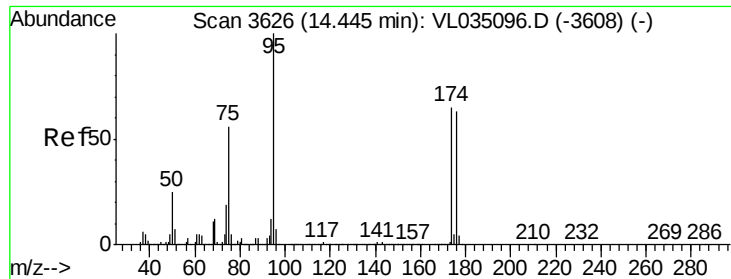
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 0.0   | 58.0  | 87.0# |
| 62      | 17.6  | 55.4  | 83.0# |



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.10 min Scan# 2897  
 Delta R.T. -0.01 min  
 Lab File: VL035157.D  
 Acq: 6 Jul 2020 22:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 69.4  | 50.4  | 75.6  |
| 119     | 32.8  | 25.4  | 38.0  |





#68

1-Bromo-4-Fluorobenzene

Concen: 10.329 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL035157.D

Acq: 6 Jul 2020 22:21

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

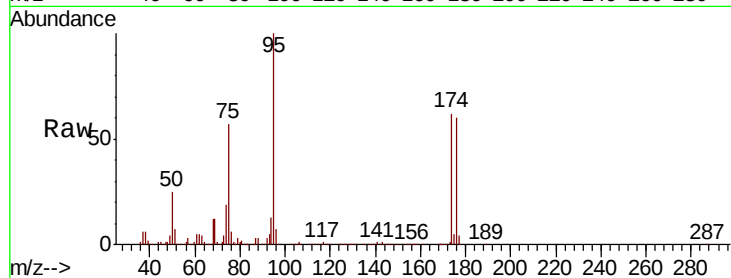
Tot Ion: 95 Resp: 1803410

Ion Ratio Lower Upper

95 100

174 64.8 52.2 78.2

175 4.8 4.0 6.0



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

