

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\  
 Data File : VL035125.D  
 Acq On : 30 Jun 2020 14:57  
 Operator : SY/AP  
 Sample : OC060420 CAN 10060  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jul 01 02:57:28 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   | 5.66  | 49   | 1146921  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.19  | 114  | 2688537  | 10.00 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2555097  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.46  | 95    | 2187542  | 10.31    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.10% |

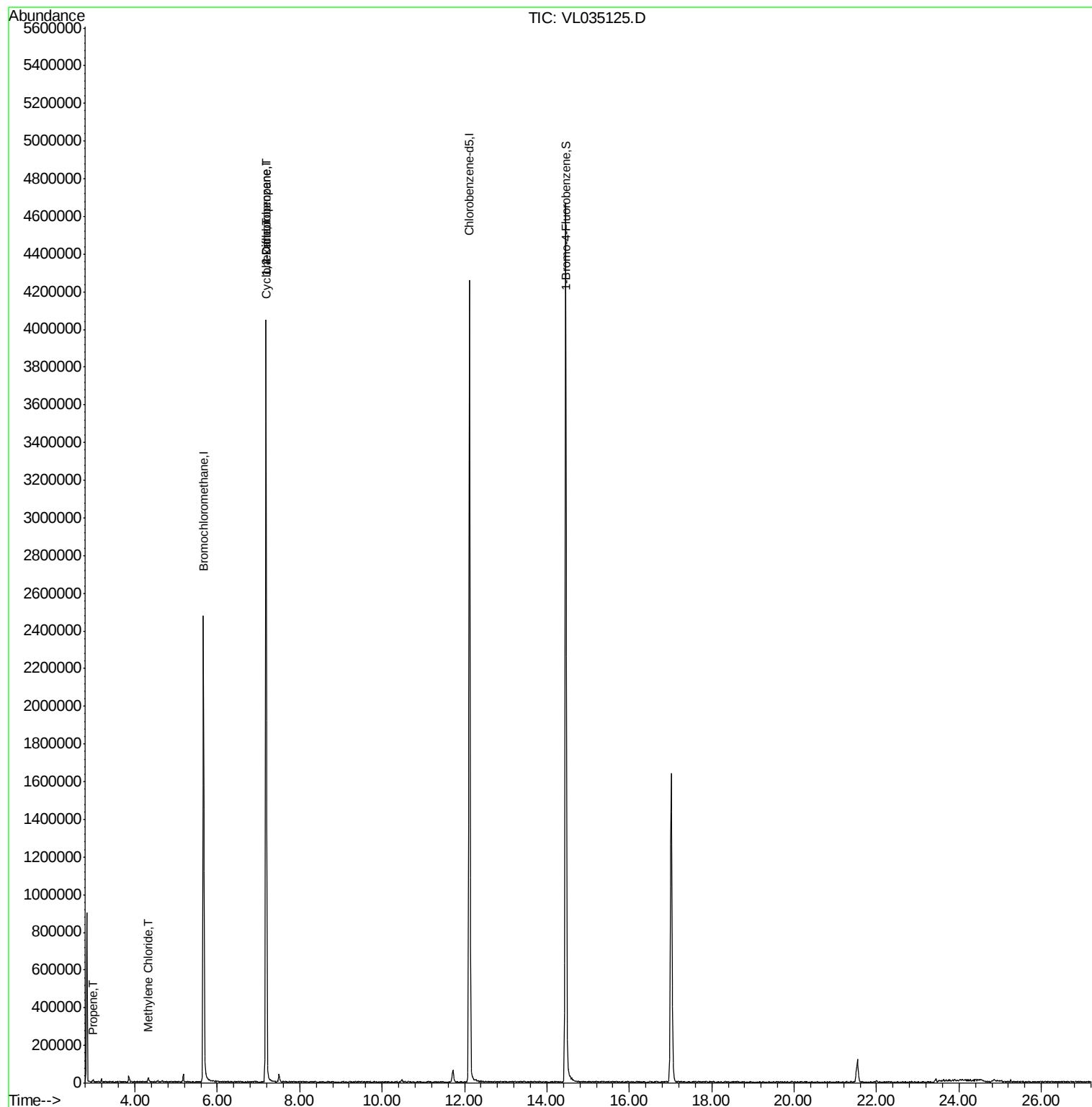
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 2.98 | 41   | 2343     | 0.047 | ppbv   | 94     |
| 20) Methylene Chloride  | 4.32 | 84   | 3980     | 0.071 | ppbv # | 79     |
| 30) Cyclohexane         | 7.17 | 84   | 6559     | 0.081 | ppbv # | 1      |
| 39) 1,2-Dichloropropane | 7.18 | 63   | 742648   | 9.121 | ppbv # | 25     |

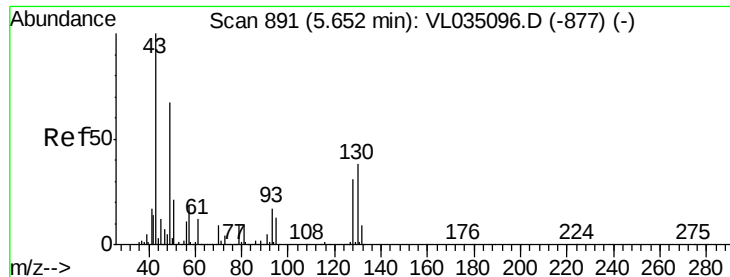
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

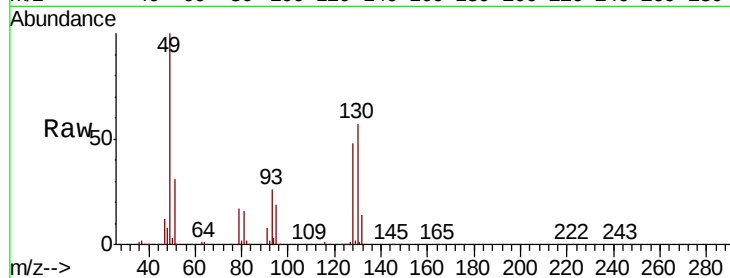
Lab File: VL035125.D

Acq: 30 Jun 2020 14:57

Instrument :  
MSVOA\_L  
ClientSampled :

Tot Ion: 49 Resp: 1146921

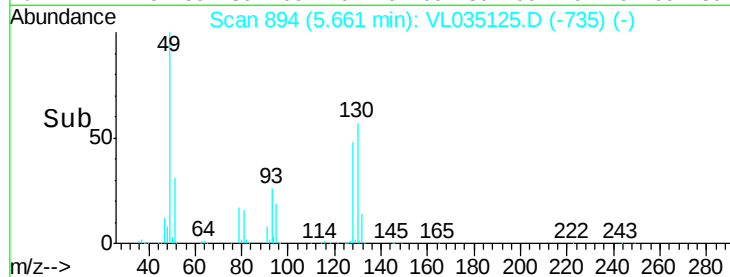
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 48.5  | 22.9  | 68.5  |
| 130 | 61.1  | 29.0  | 87.0  |



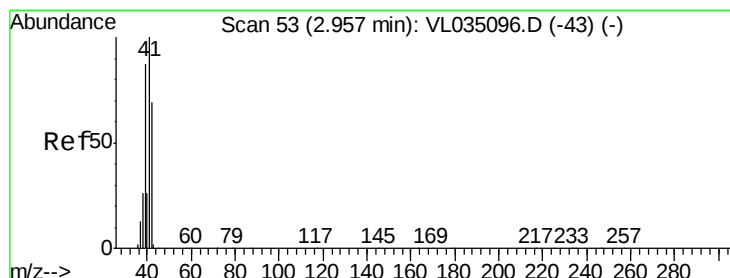
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#9

Propene

Concen: 0.047 ppbv

RT: 2.98 min Scan# 61

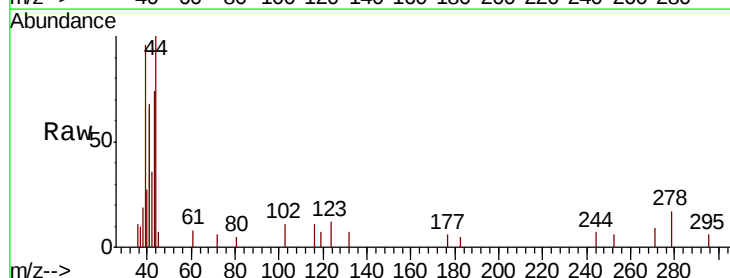
Delta R.T. 0.03 min

Lab File: VL035125.D

Acq: 30 Jun 2020 14:57

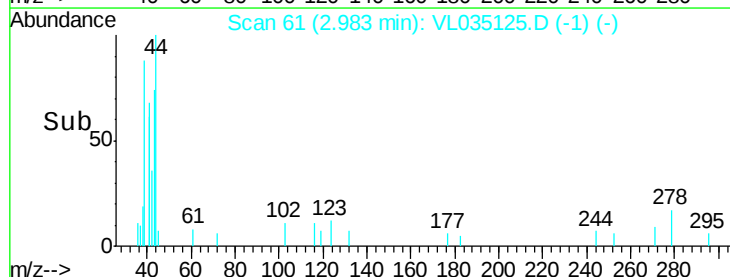
Tgt Ion: 41 Resp: 2343

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 42  | 64.4  | 55.8  | 83.6  |

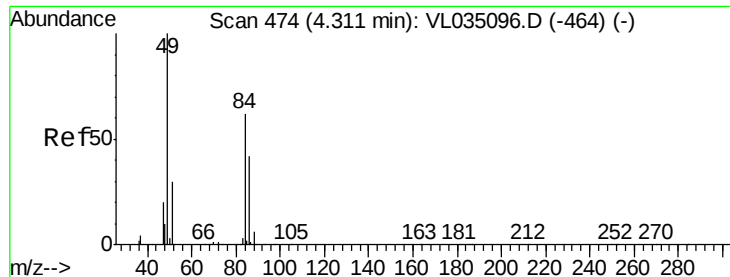


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



Time-->



#20

Methylene Chloride

Concen: 0.071 ppbv

RT: 4.32 min Scan# 477

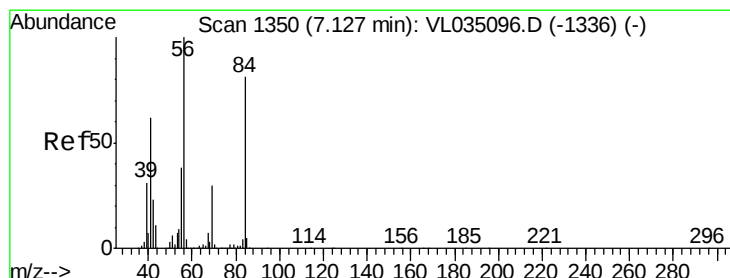
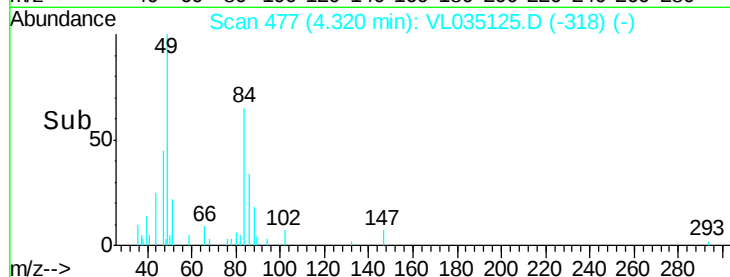
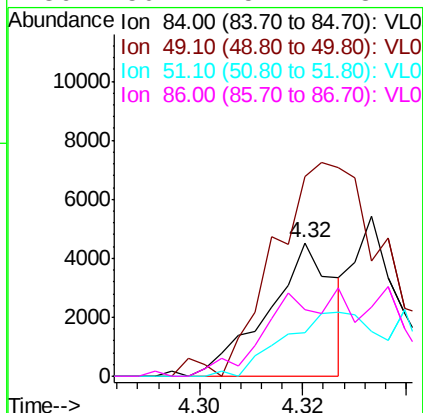
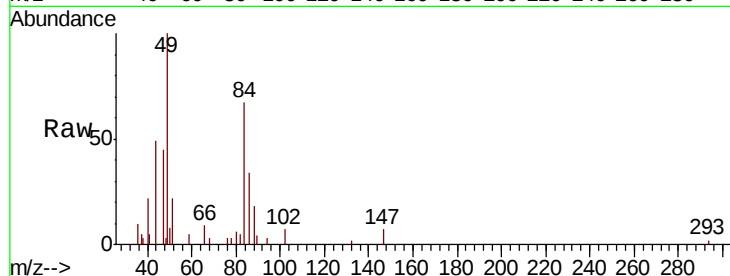
Delta R.T. 0.01 min

Lab File: VL035125.D

Acq: 30 Jun 2020 14:57

Instrument :  
MSVOA\_L  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 3980  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 135.4 | 128.8 | 193.2 |
| 51       | 32.1  | 38.7  | 58.1# |
| 86       | 50.2  | 54.1  | 81.1# |



#30

Cyclohexane

Concen: 0.081 ppbv

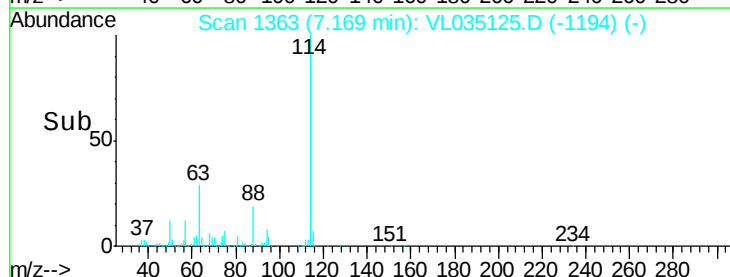
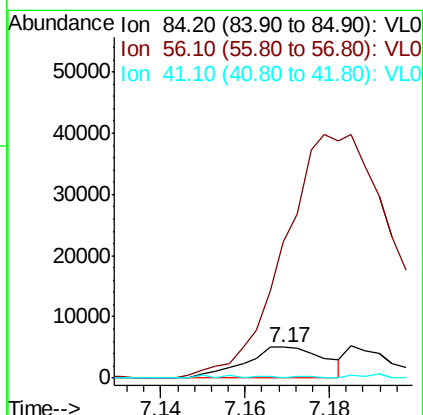
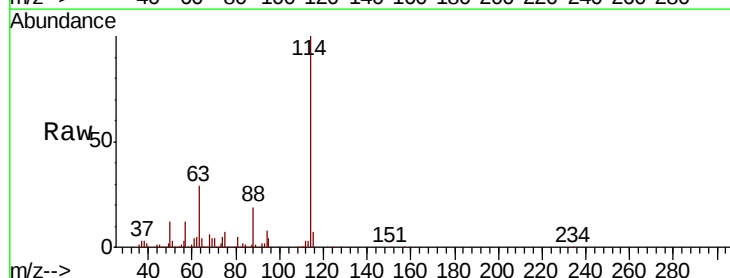
RT: 7.17 min Scan# 1363

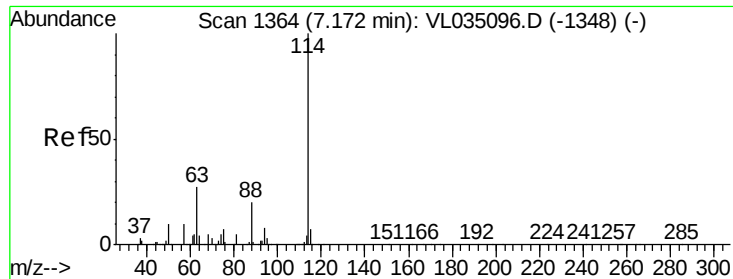
Delta R.T. 0.04 min

Lab File: VL035125.D

Acq: 30 Jun 2020 14:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 6559   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 56       | 0.0   | 108.0 | 162.0# |
| 41       | 0.0   | 65.6  | 98.4#  |

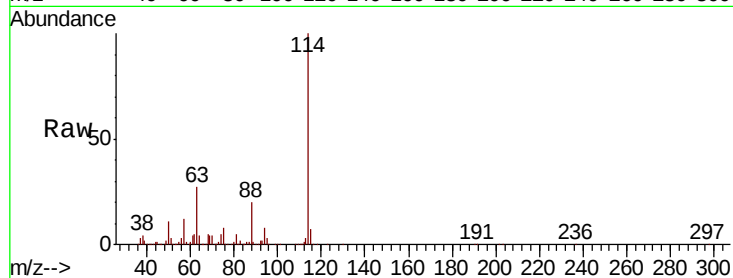




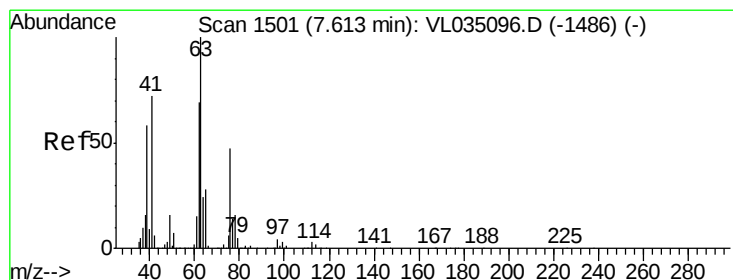
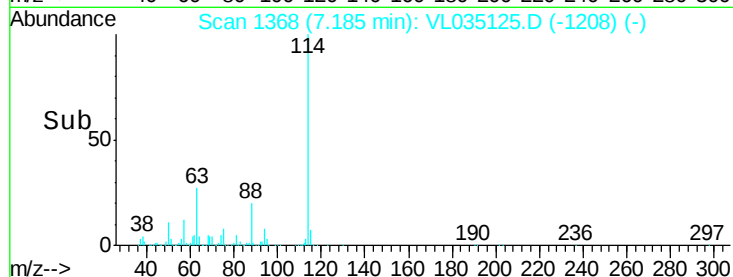
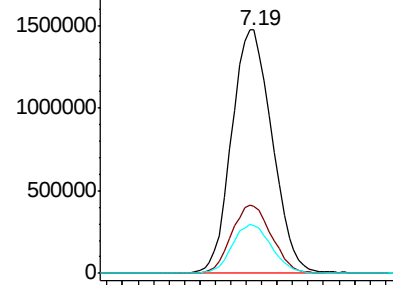
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.19 min Scan# 1368  
 Delta R.T. 0.01 min  
 Lab File: VL035125.D  
 Acq: 30 Jun 2020 14:57

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tot Ion:114 Resp: 2688537  
 Ion Ratio Lower Upper  
 114 100  
 63 27.7 21.9 32.9  
 88 19.7 15.6 23.4

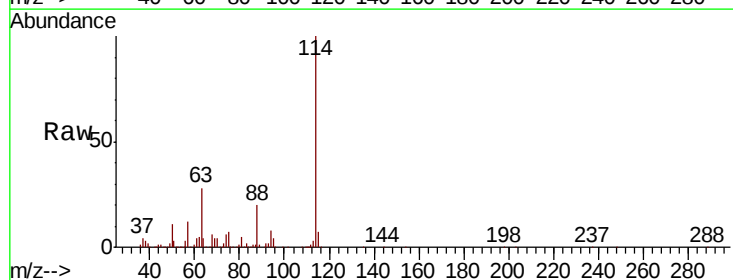


Abundance Ion 114.10 (113.80 to 114.80): VL0  
 2000000 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

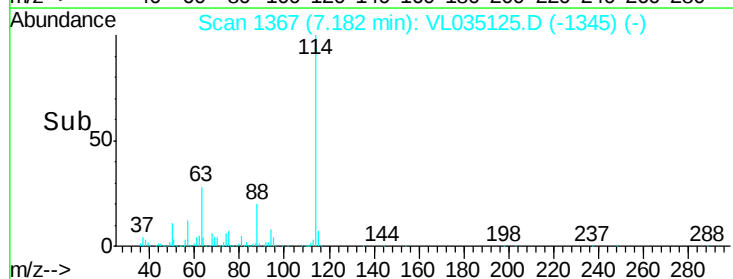
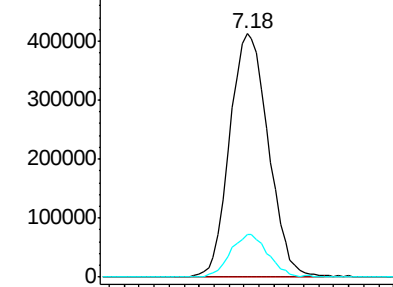


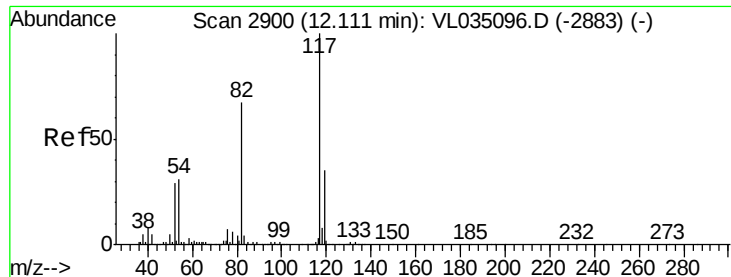
#39  
 1,2-Dichloropropane  
 Concen: 9.121 ppbv  
 RT: 7.18 min Scan# 1367  
 Delta R.T. -0.43 min  
 Lab File: VL035125.D  
 Acq: 30 Jun 2020 14:57

Tgt Ion: 63 Resp: 742648  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 58.0 87.0#  
 62 17.5 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0  
 500000 Ion 41.10 (40.80 to 41.80): VL0  
 Ion 62.10 (61.80 to 62.80): VL0

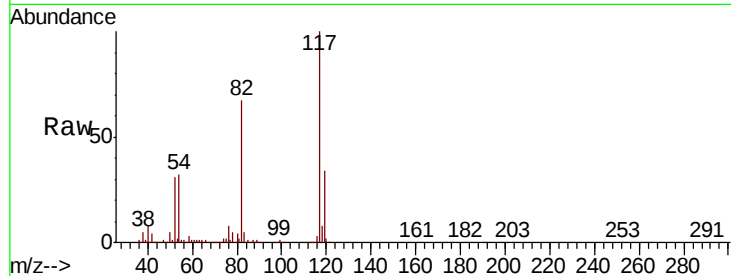




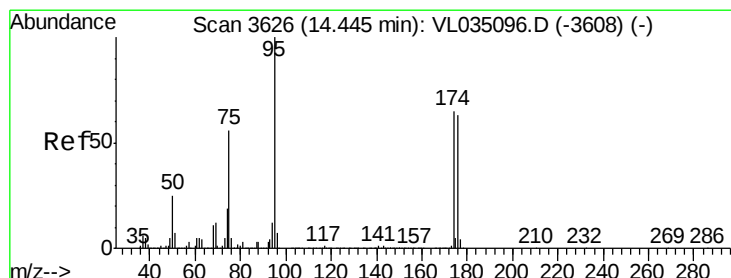
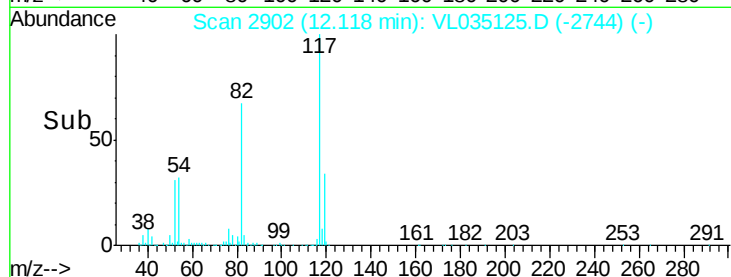
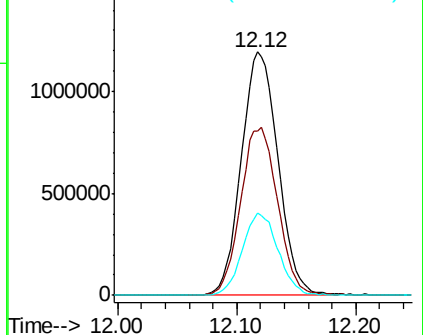
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.12 min Scan# 2902  
Delta R.T. 0.01 min  
Lab File: VL035125.D  
Acq: 30 Jun 2020 14:57

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion:117 Resp: 2555097  
Ion Ratio Lower Upper  
117 100  
82 70.1 50.4 75.6  
119 33.2 25.4 38.0

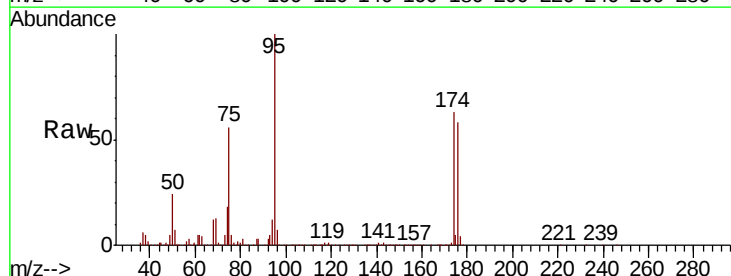


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.306 ppbv  
RT: 14.46 min Scan# 3630  
Delta R.T. 0.01 min  
Lab File: VL035125.D  
Acq: 30 Jun 2020 14:57

Tgt Ion: 95 Resp: 2187542  
Ion Ratio Lower Upper  
95 100  
174 64.4 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

