Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
Data File : VL035185.D
Acq On : 8 Jul 2020 15:10
Operator : SY/AP
Sample : L3190-02DL 1200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** CARBON-02DL

Quant Time: Jul 09 11:21:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.66 | 49 | 1121257 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 2685326 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.11 | 117 | 2485218 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.45 | 95 | 2065169 | 10.23 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.30% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 27) Carbon Disulfide | 4.53 | 76 | 10141123 | 69.919 | ppbv | # 81 |

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

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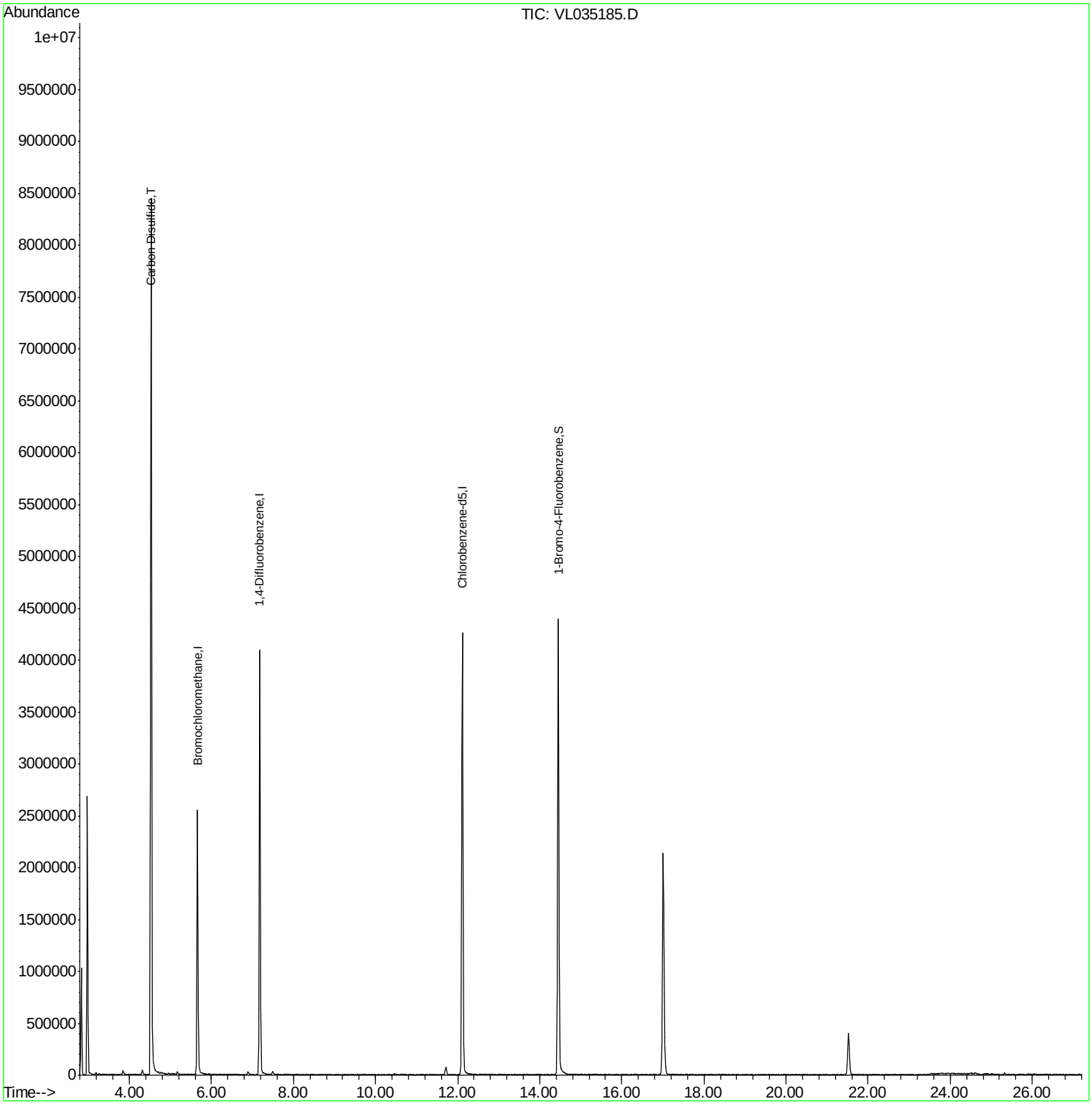
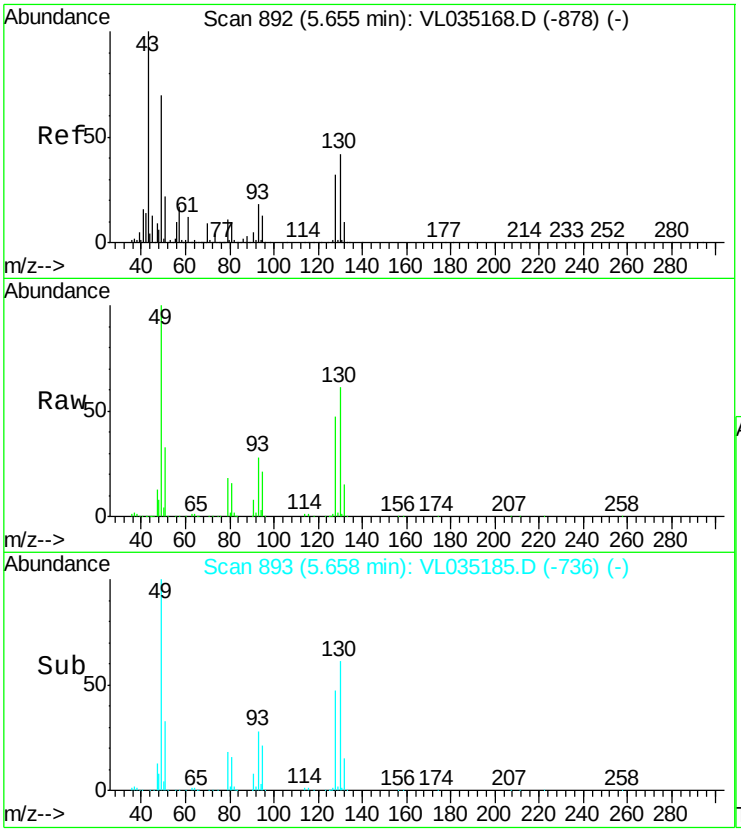


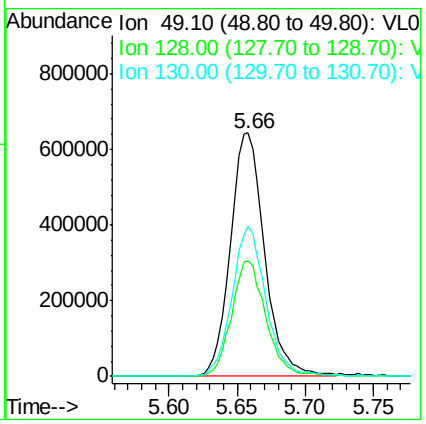


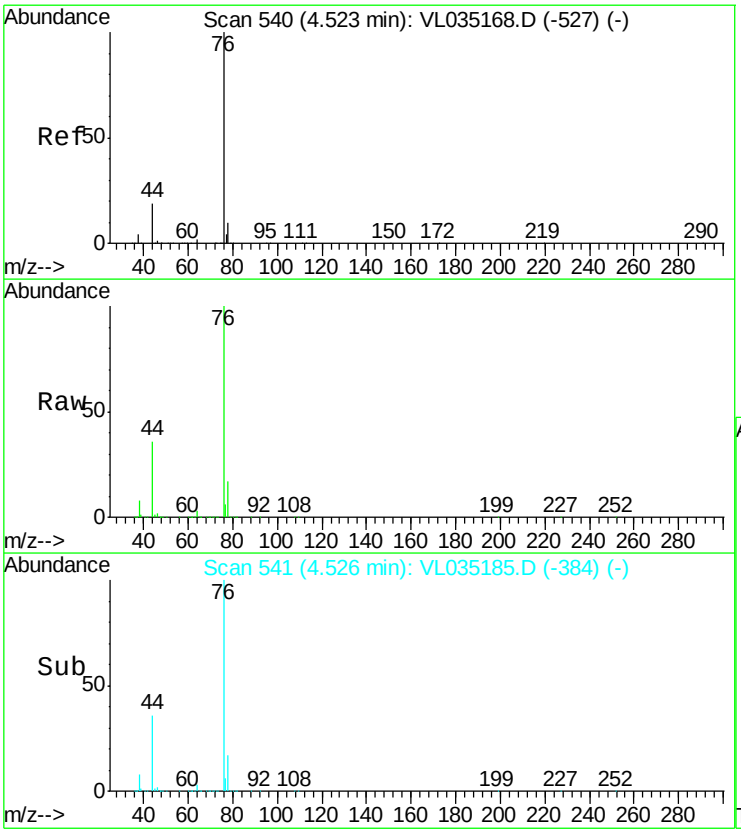

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

**Instrument :**
MSVOA_L
**ClientSampleId :**
CARBON-02DL

Tgt Ion: 49 Resp: 1121257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 48.1 | 23.8 | 71.4 |
| 130 | 61.8 | 29.9 | 89.8 |

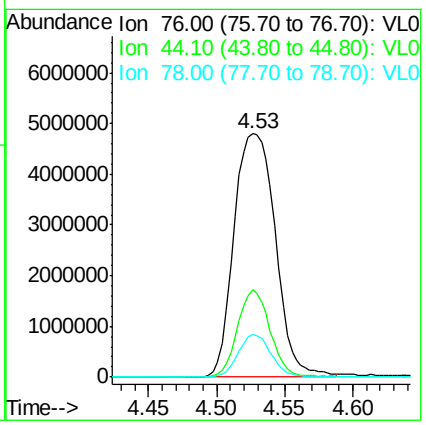


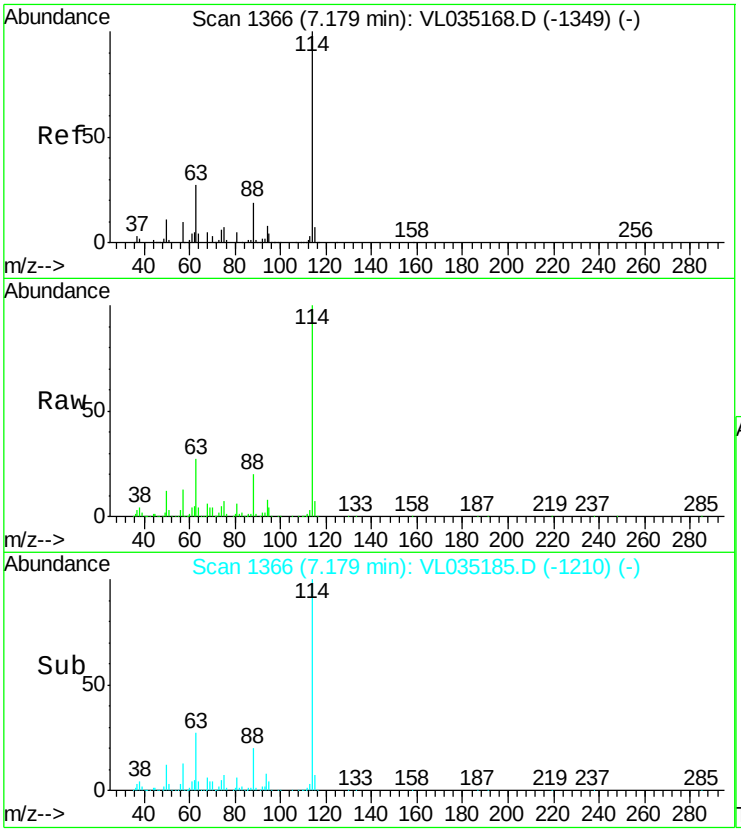




#27
Carbon Disulfide
Concen: 69.919 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

Tgt Ion: 76 Resp:10141123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 28.3 | 14.9 | 22.3# |
| 78 | 14.0 | 7.5 | 11.3# |



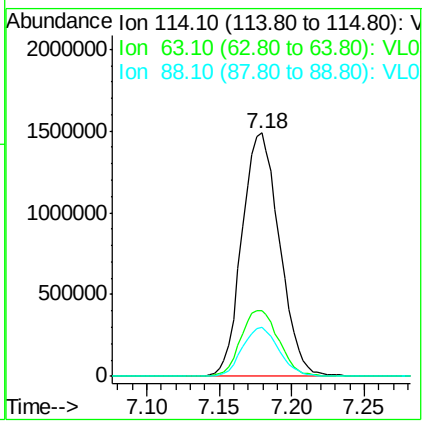


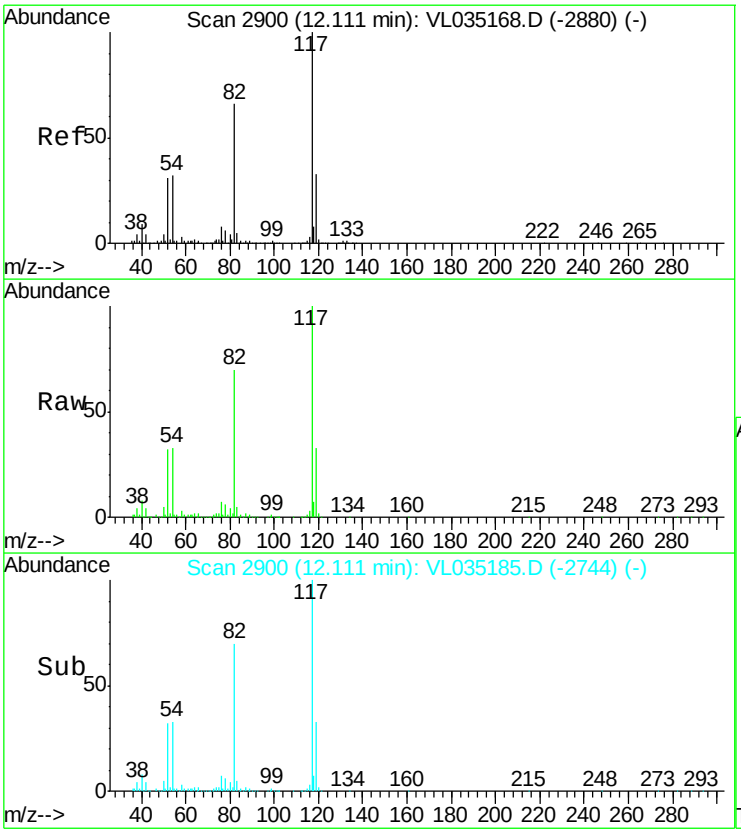

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

**Instrument :**
MSVOA_L
**ClientSampleId :**
CARBON-02DL

Tgt Ion:114 Resp: 2685326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 27.5 | 22.0 | 33.0 |
| 88 | 19.6 | 15.4 | 23.0 |

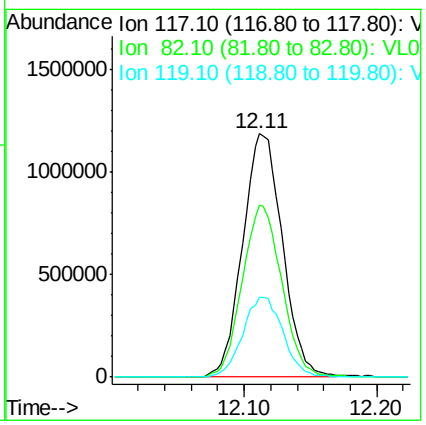


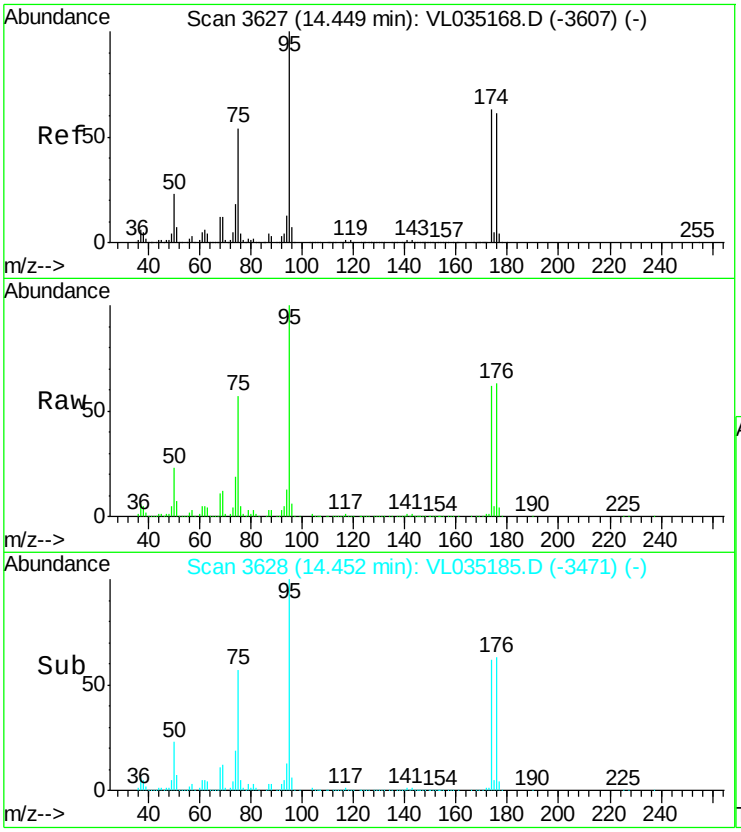




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

Tgt Ion:117 Resp: 2485218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 70.3 | 52.3 | 78.5 |
| 119 | 33.2 | 24.9 | 37.3 |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.229 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.00 min
Lab File: VL035185.D
Acq: 8 Jul 2020 15:10

**Instrument :**
MSVOA_L
**ClientSampleId :**
CARBON-02DL

Tgt Ion: 95 Resp: 2065169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.8 | 52.2 | 78.2 |
| 175 | 4.8 | 4.0 | 6.0 |