Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\

Quantitation Report (Not Reviewed)

Data File : VV013414.D
Acq On : 29 Oct 2019 23:29
Operator : SY/MD
Sample : K5597-15
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAQE4

Quant Time: Oct 30 02:57:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 346211 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 372421 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 194577 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 145864 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.20% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 124475 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 193184 | 3.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 72.20% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 402087 | 53.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 107.36% | | | |
| 24) Chloroform-d | 4.40 | 84 | 301921 | 4.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 163512 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.60% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 628684 | 4.83 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 197372 | 4.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 97.80% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 526351 | 4.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.20% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 63640 | 4.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 85.60% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 222384 | 46.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 92.58% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 129621 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 98.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 202460 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 103.60% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 2719 | 0.098 | ug/L # | 32 |
| 13) Acetone | 2.22 | 43 | 6859 | 1.874 | ug/L | 69 |
| 14) Carbon disulfide | 2.32 | 76 | 5910 | 0.074 | ug/L # | 74 |
| 25) Chloroform | 4.43 | 83 | 12771 | 0.186 | ug/L | 87 |
| 33) Benzene | 5.15 | 78 | 27989 | 0.201 | ug/L | 100 |
| 35) Methylcyclohexane | 6.11 | 83 | 47342 | 0.831 | ug/L # | 16 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 21336 | 0.606 | ug/L # | 87 |
| 42) Toluene | 7.43 | 91 | 9353 | 0.064 | ug/L | 97 |
| 47) Tetrachloroethene | 8.02 | 164 | 4499 | 0.139 | ug/L | 93 |
| 48) 2-Hexanone | 8.19 | 43 | 25862 | 1.846 | ug/L # | 49 |
| 69) Naphthalene | 13.55 | 128 | 7209 | 0.129 | ug/L # | 91 |

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

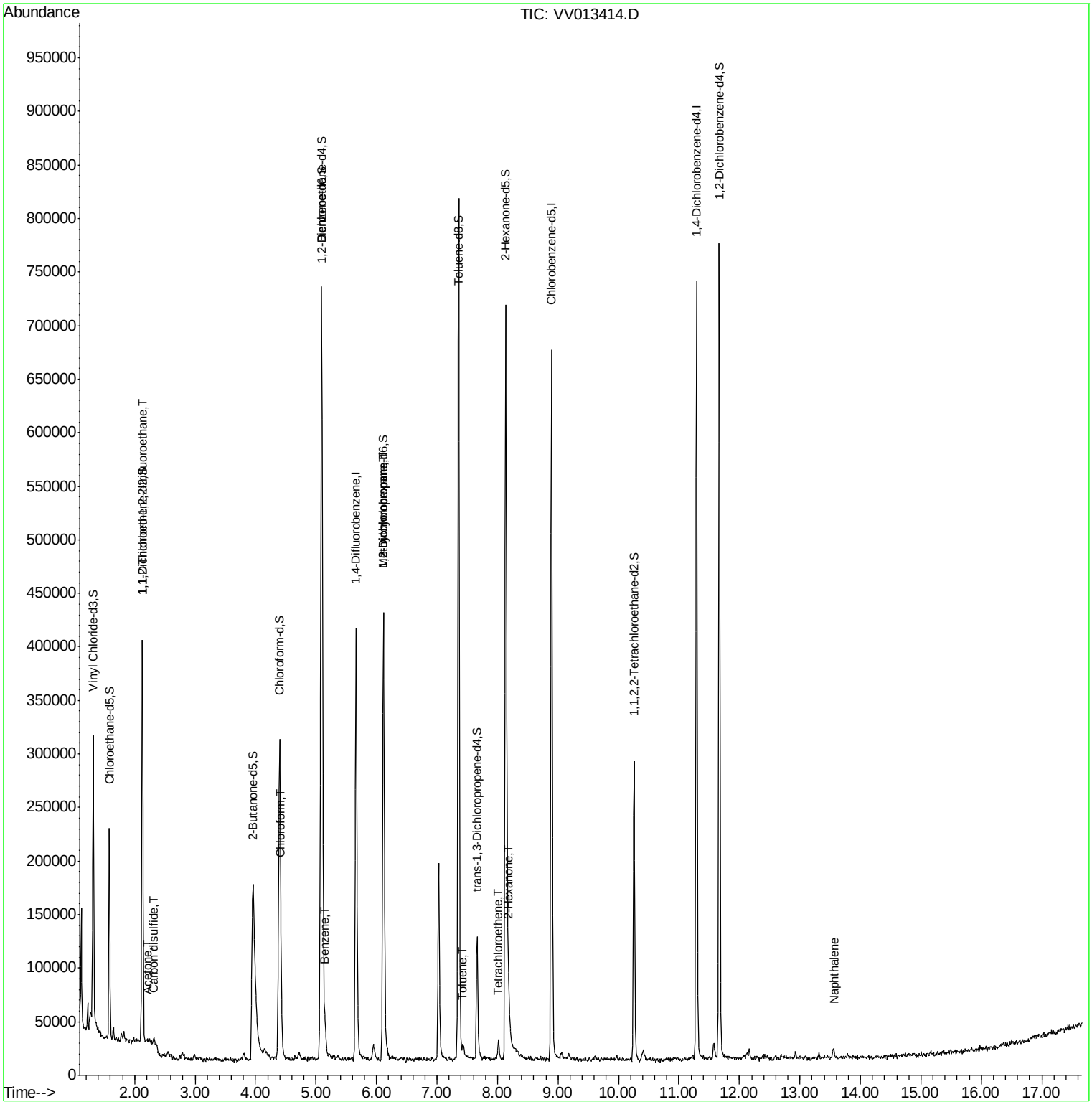
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\

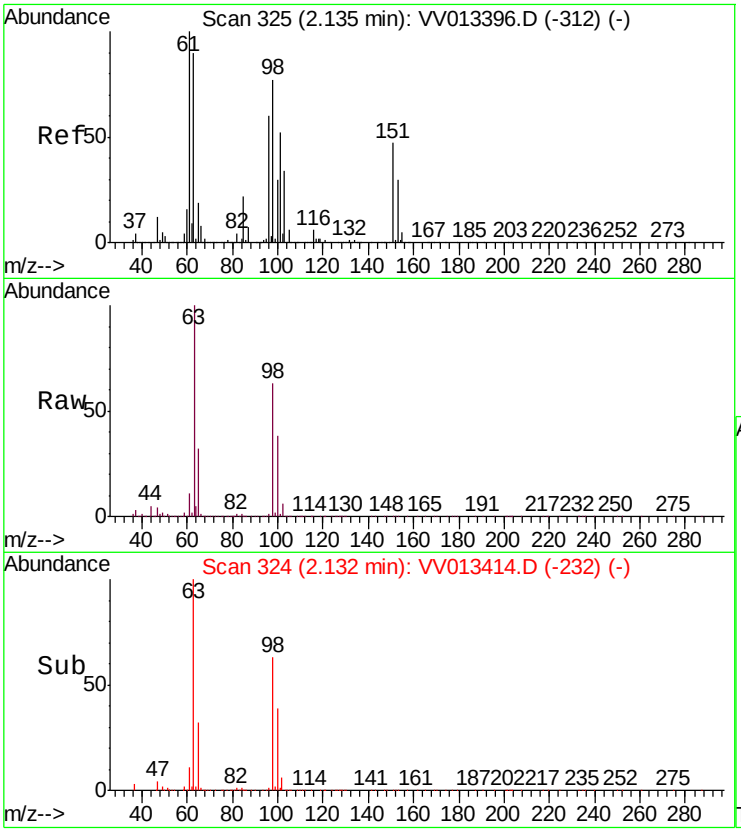
Quantitation Report (Not Reviewed)

Data File : VV013414.D
Acq On : 29 Oct 2019 23:29
Operator : SY/MD
Sample : K5597-15
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAQE4

Quant Time: Oct 30 02:57:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration



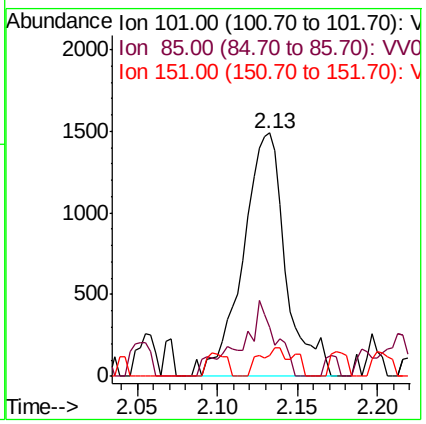


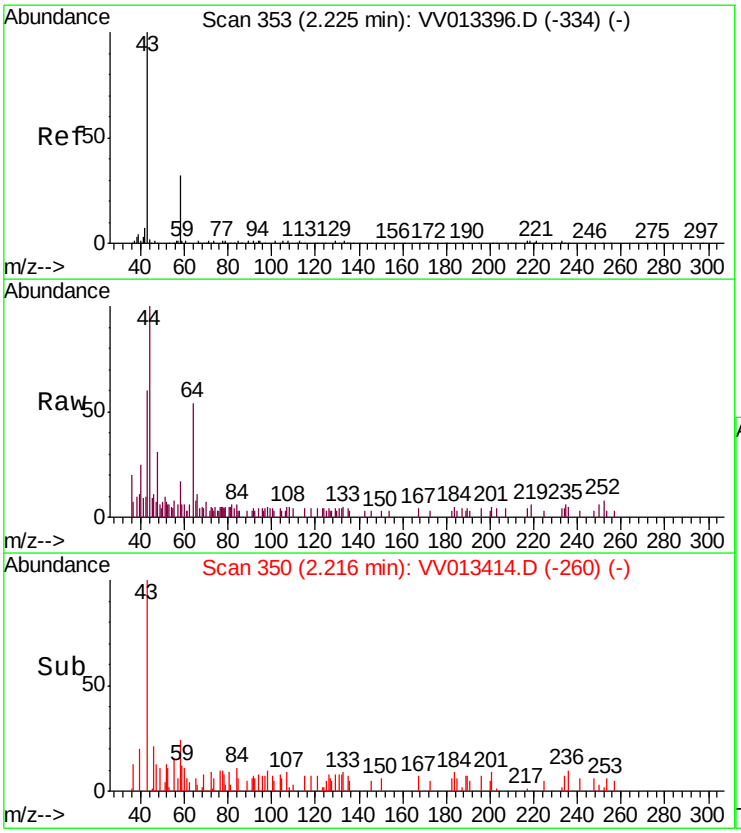

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.098 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQE4

Tgt Ion:101 Resp: 2719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 18.0 | 33.0 | 49.4# |
| 151 | 9.3 | 68.2 | 102.2# |

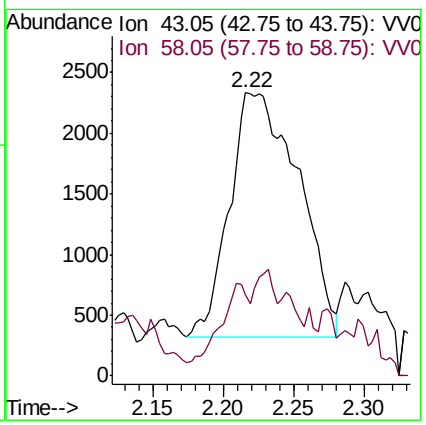


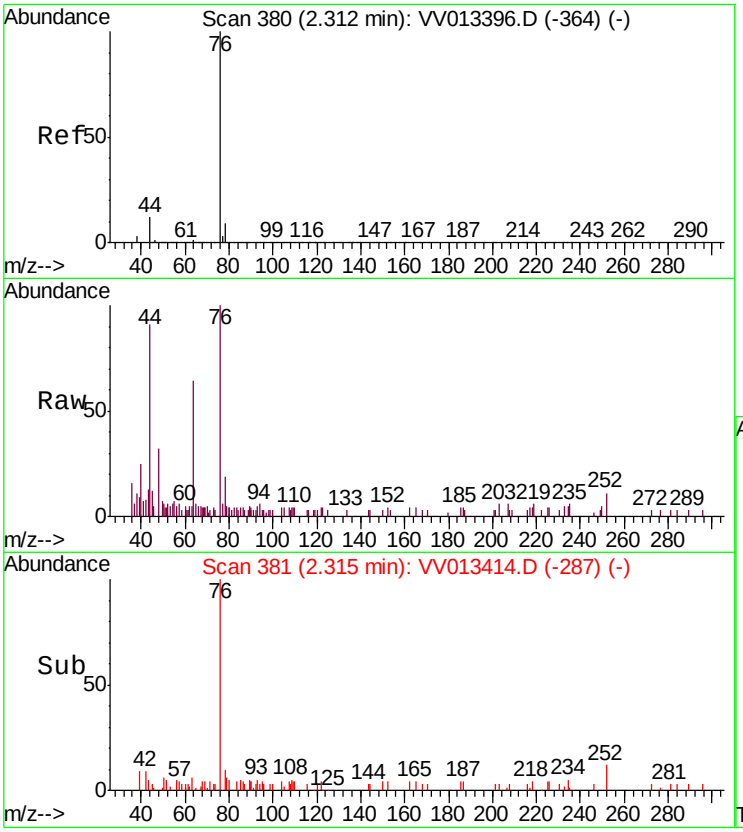




#13
Acetone
Concen: 1.874 ug/L
RT: 2.22 min Scan# 350
Delta R.T. -0.01 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

Tgt Ion: 43 Resp: 6859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 12.6 | 0.0 | 59.0 |



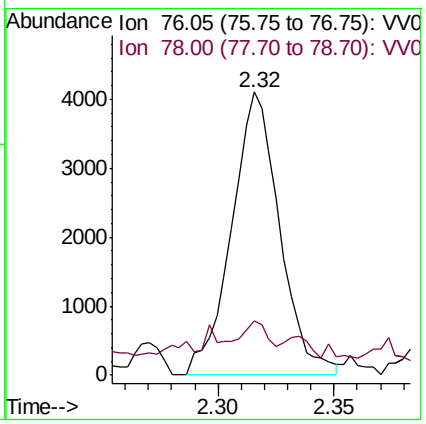


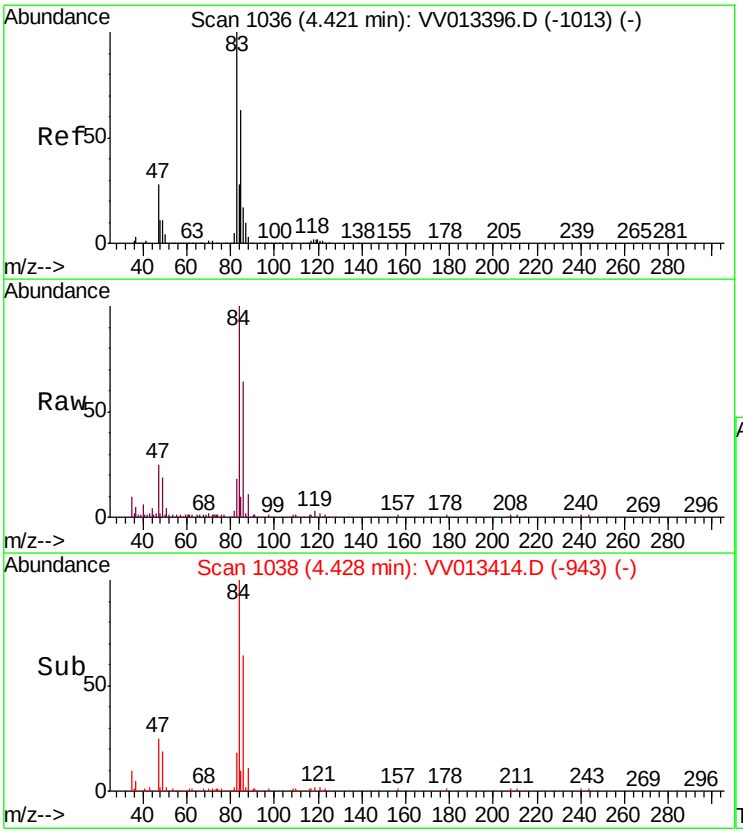

#14
Carbon disulfide
Concen: 0.074 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQE4

Tgt Ion: 76 Resp: 5910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 19.1 | 7.5 | 11.3# |

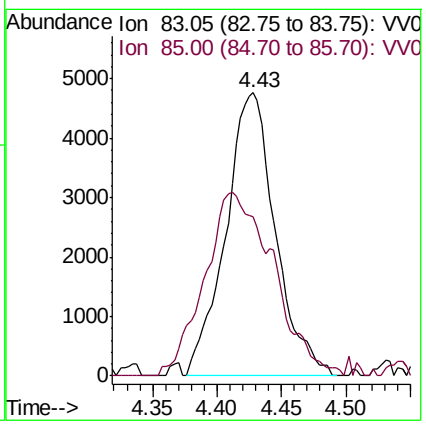


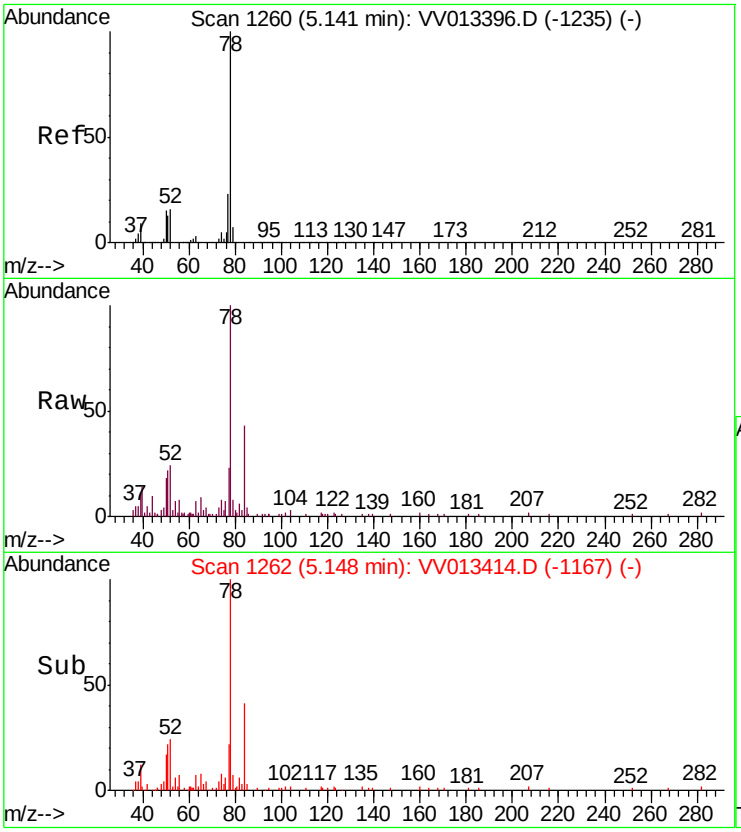




#25
Chloroform
Concen: 0.186 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

Tgt Ion: 83 Resp: 12771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 56.3 | 46.5 | 86.5 |

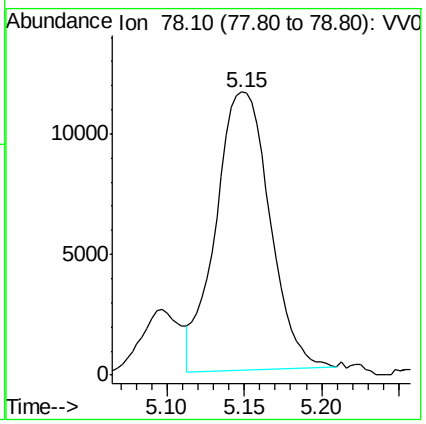


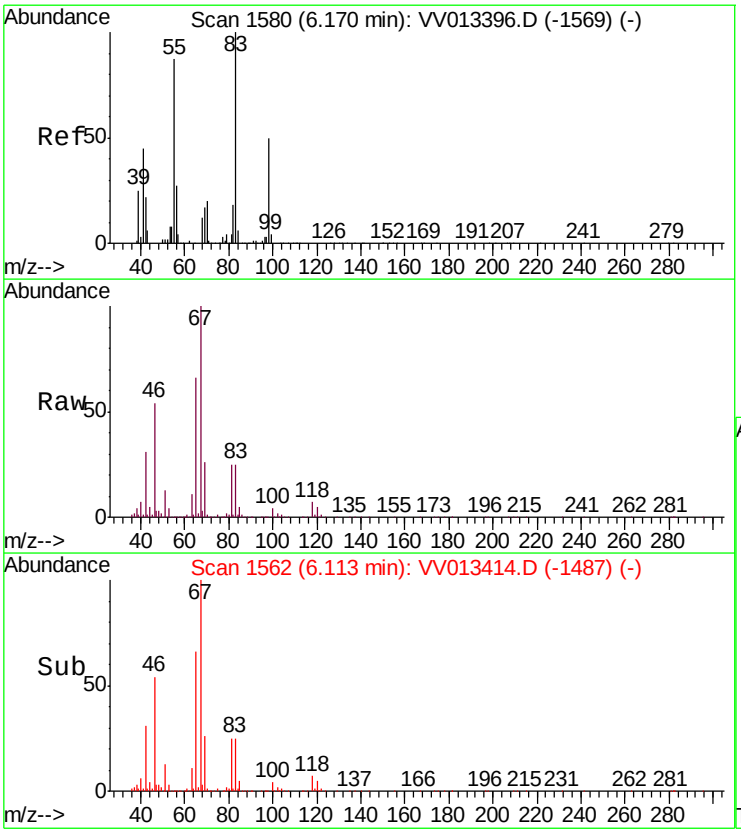



#33
Benzene
Concen: 0.201 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQE4

Tgt Ion: 78 Resp: 27989

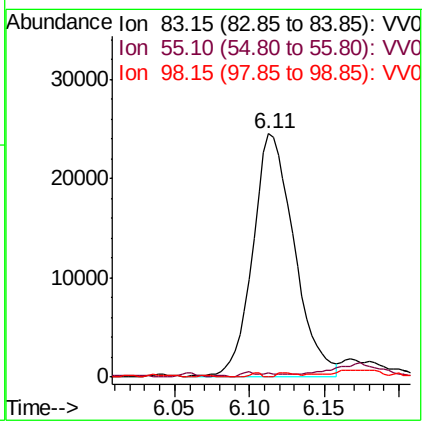


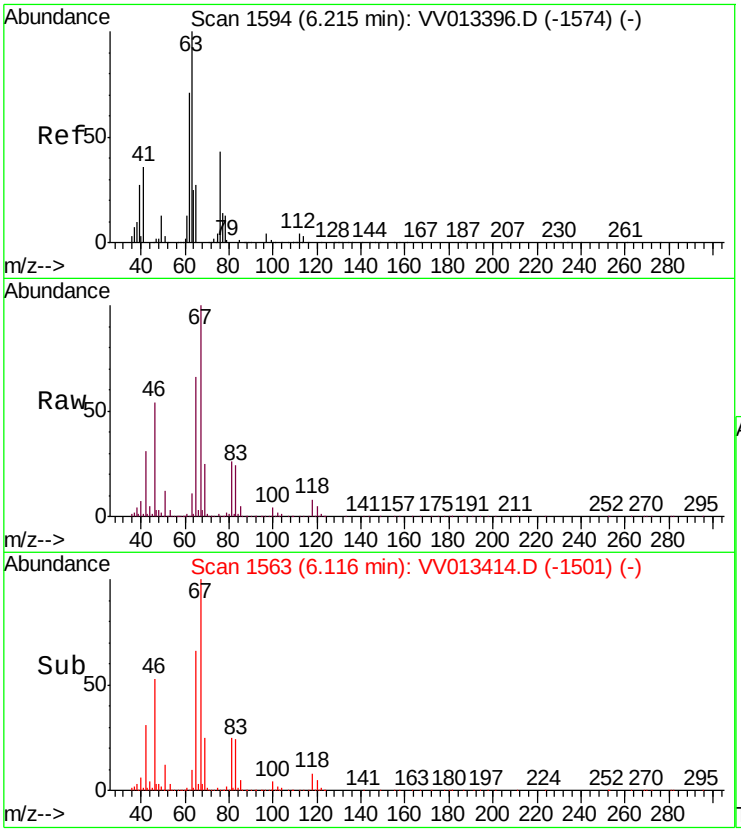




#35
Methylcyclohexane
Concen: 0.831 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

Tgt Ion: 83 Resp: 47342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.4 | 66.0 | 99.0# |
| 98 | 0.4 | 38.2 | 57.4# |



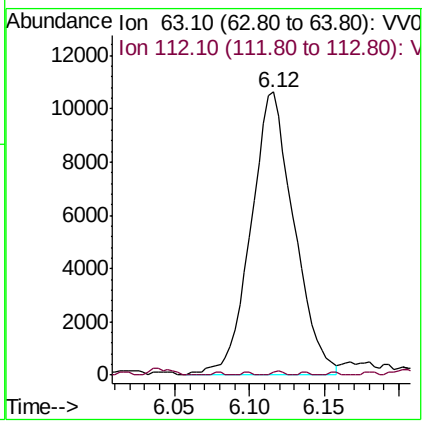


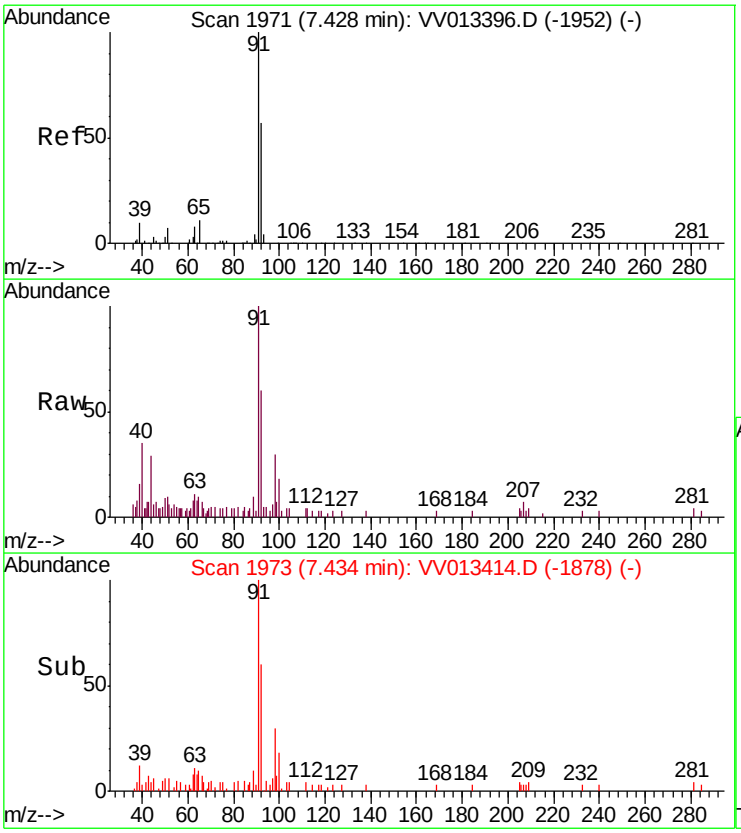

#37
1,2-Dichloropropane
Concen: 0.606 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

**Instrument :** MSVOA_V
**ClientSampleId :** GAQE4

Tgt Ion: 63 Resp: 21336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.4 | 3.6 | 5.4# |

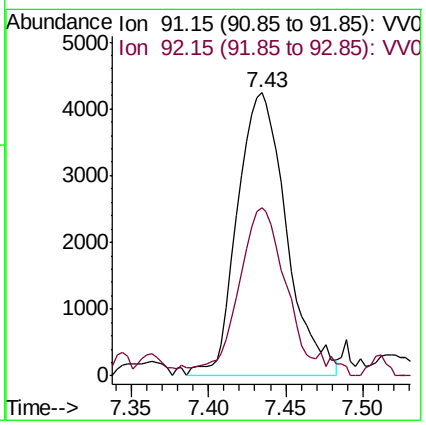


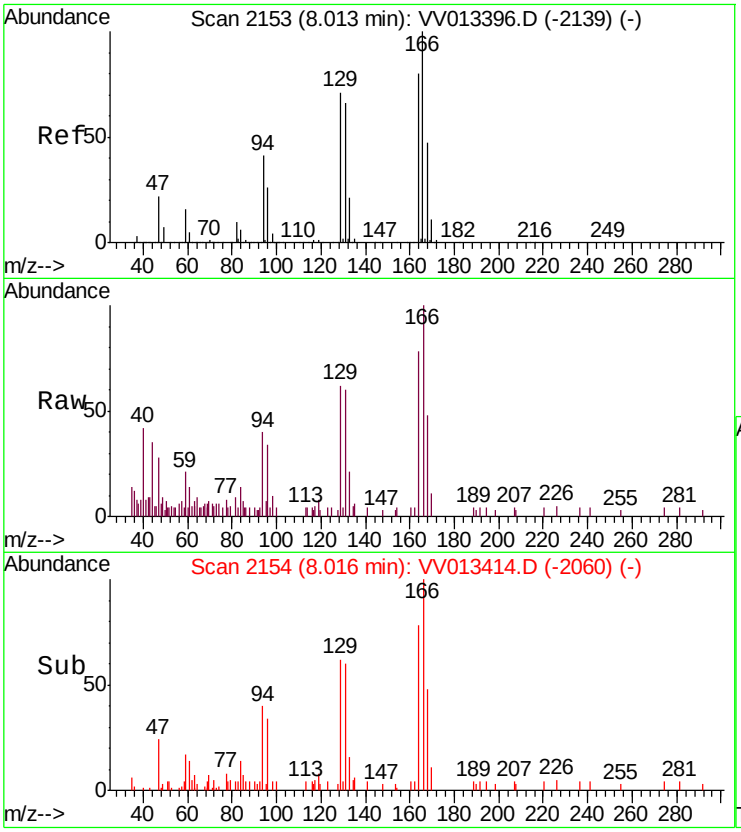




#42
Toluene
Concen: 0.064 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

Tgt Ion: 91 Resp: 9353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.6 | 40.3 | 74.8 |



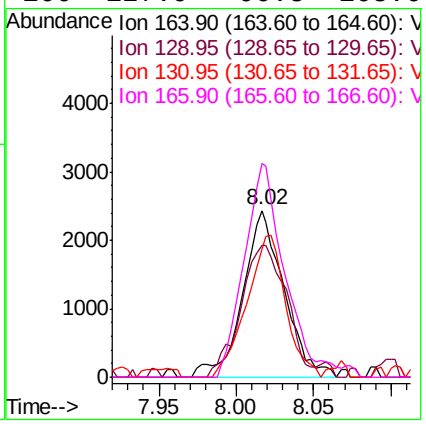


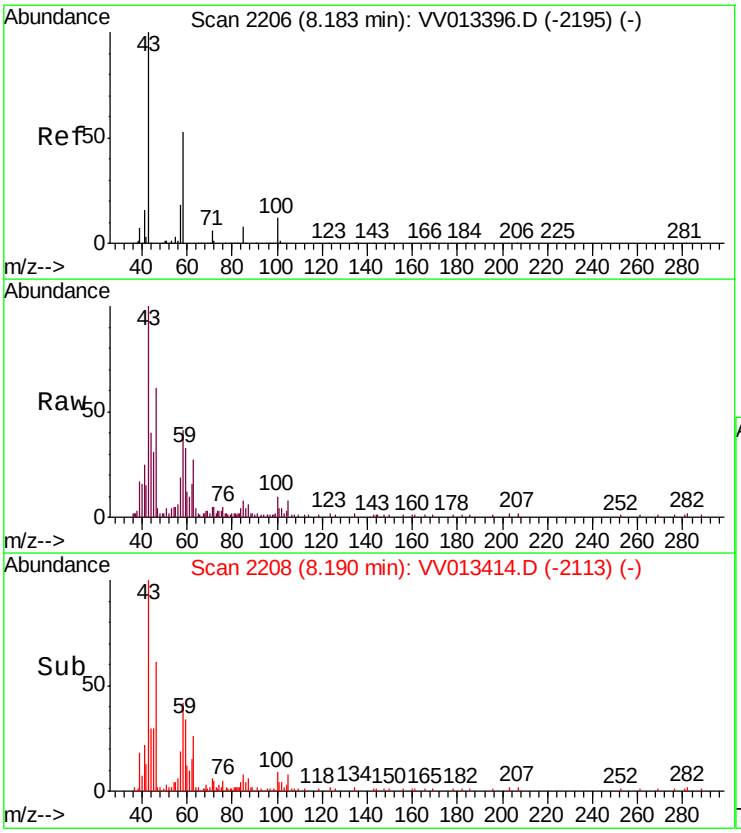

#47
Tetrachloroethene
Concen: 0.139 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQE4

Tgt Ion:164 Resp: 4499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 78.9 | 63.4 | 117.8 |
| 131 | 76.6 | 60.3 | 112.1 |
| 166 | 127.9 | 90.8 | 168.6 |

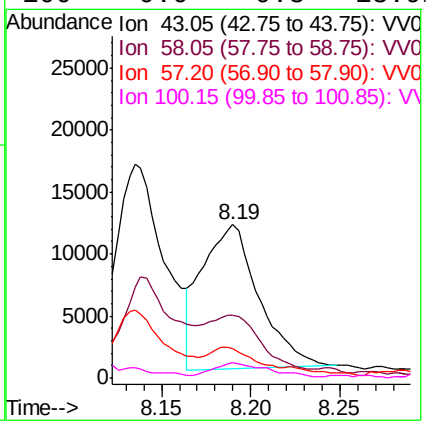


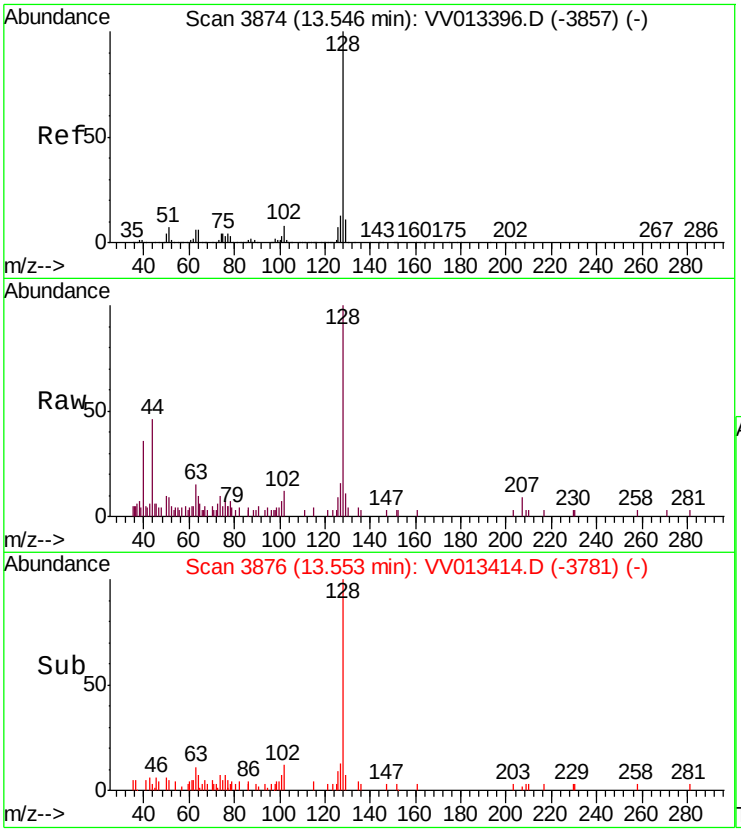




#48
2-Hexanone
Concen: 1.846 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

Tgt Ion: 43 Resp: 25862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 43.5 | 65.3# |
| 57 | 20.9 | 14.3 | 21.5 |
| 100 | 9.0 | 9.3 | 13.9# |






#69
Naphthalene
Concen: 0.129 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV013414.D
Acq: 29 Oct 2019 23:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQE4

Tgt Ion:128 Resp: 7209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.3 | 8.7 | 13.1 |
| 127 | 18.5 | 10.6 | 16.0# |