Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

Quantitation Report (Not Reviewed)

Data File : VV011143.D
Acq On : 30 May 2019 18:40
Operator : SY/MD
Sample : K3017-22
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** A51F5

Quant Time: May 31 01:47:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 23142 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 33574 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 19706 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 4233 | 13.52 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 54.08% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 3518 | 14.61 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 58.44% | | | |
| 10) 1,1-Dichloroethene-d2 | 2.12 | 63 | 8516 | 13.25 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 53.00% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 76755 | 670.69 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 1341.38%# | | | |
| 24) Chloroform-d | 4.40 | 84 | 13908 | 24.59 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 98.36% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 22749 | 61.71 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 246.84%# | | | |
| 29) Benzene-d6 | 5.09 | 84 | 26046 | 14.28 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 57.12% | | | |
| 33) 1,2-Dichloropropane-d6 | 6.11 | 67 | 11550 | 19.77 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 79.08% | | | |
| 37) Toluene-d8 | 7.36 | 98 | 29528 | 17.16 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 68.64% | | | |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 8077 | 30.55 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 122.20% | | | |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 48128 | 362.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 724.94%# | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 44712 | 84.92 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 339.68%# | | | |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 19342 | 26.23 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 104.92% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 824 | 2.255 | ug/L | 95 |
| 6) Bromomethane | 1.51 | 94 | 1998 | 10.175 | ug/L | 90 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 225 | 0.865 | ug/L # | 5 |
| 13) Acetone | 2.19 | 43 | 222961 | 1674.715 | ug/L | 99 |
| 15) Methyl Acetate | 2.46 | 43 | 239101 | 1193.535 | ug/L | 97 |
| 16) Methylene chloride | 2.53 | 84 | 2212 | 6.272 | ug/L | 84 |
| 35) Trichloroethene | 5.95 | 95 | 1611 | 3.087 | ug/L | 90 |
| 44) Toluene | 7.43 | 91 | 5663 | 2.607 | ug/L | 94 |
| 49) 2-Hexanone | 8.19 | 43 | 3040 | 8.877 | ug/L # | 67 |
| 54) m,p-Xylene | 9.18 | 106 | 1975 | 2.130 | ug/L | 99 |
| 55) o-xylene | 9.59 | 106 | 1363 | 1.495 | ug/L | 75 |
| 59) 1,2,3-Trichloropropane | 11.22 | 75 | 457 | 1.090 | ug/L | 100 |
| 63) 1,3-Dichlorobenzene | 11.23 | 146 | 815 | 0.638 | ug/L | 91 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 1562 | 1.292 | ug/L # | 83 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 1437 | 1.506 | ug/L # | 83 |
| 69) Naphthalene | 13.55 | 128 | 1321 | 0.839 | ug/L # | 93 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

Quantitation Report (Not Reviewed)

Data File : VV011143.D
Acq On : 30 May 2019 18:40
Operator : SY/MD
Sample : K3017-22
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** A51F5

Quant Time: May 31 01:47:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

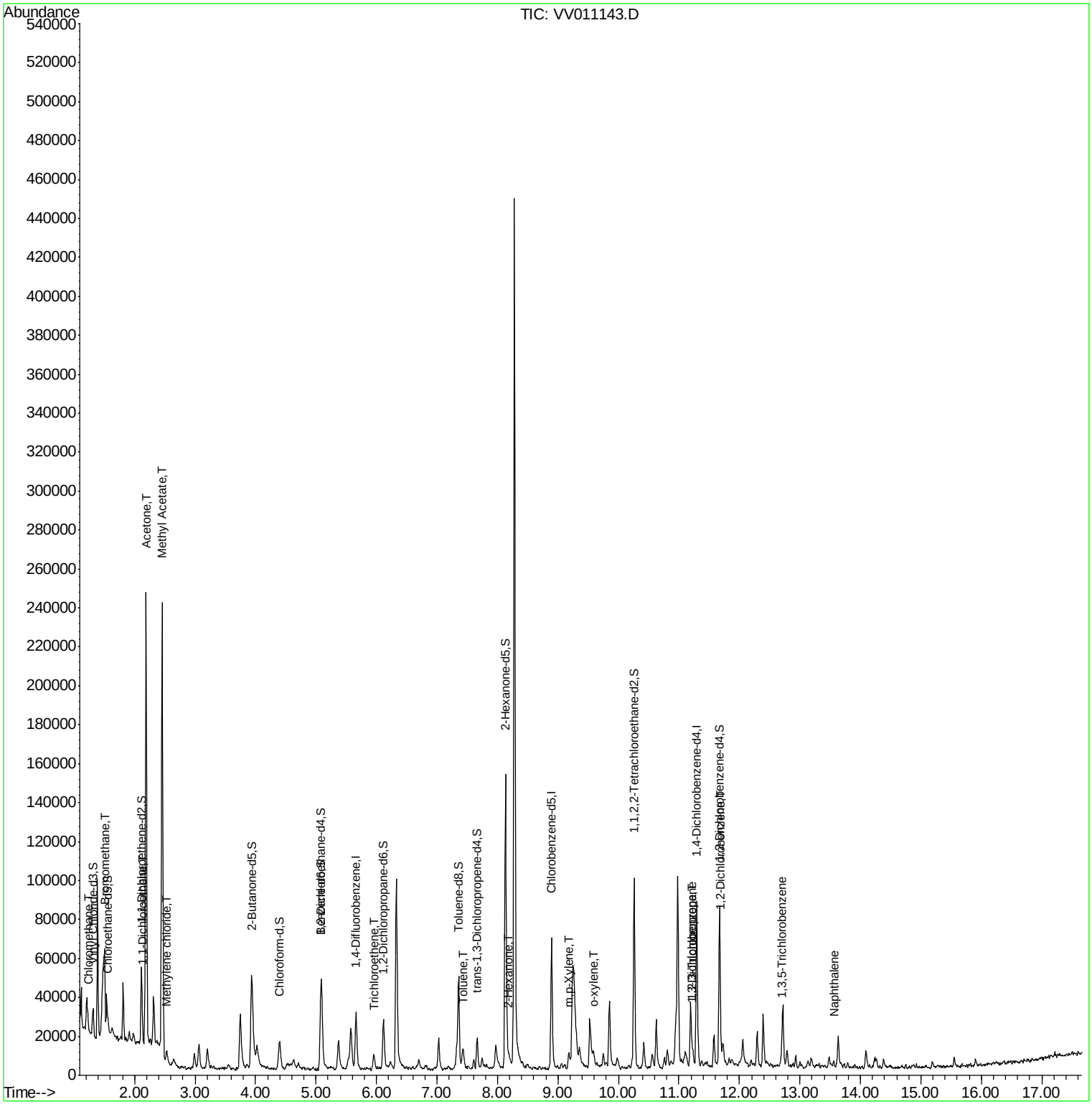
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\

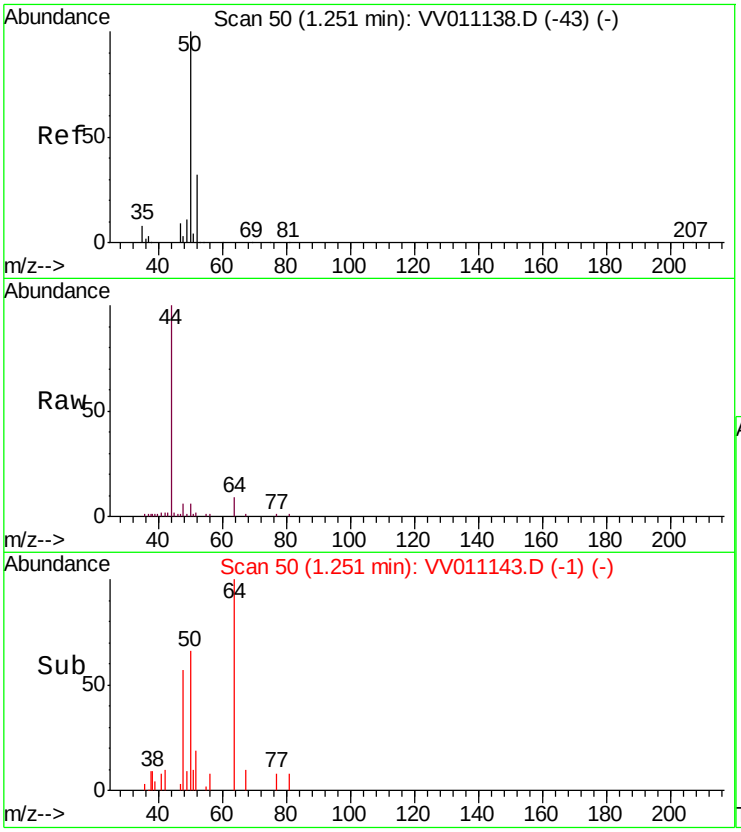
Quantitation Report (Not Reviewed)

Data File : VV011143.D
Acq On : 30 May 2019 18:40
Operator : SY/MD
Sample : K3017-22
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51F5

Quant Time: May 31 01:47:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration



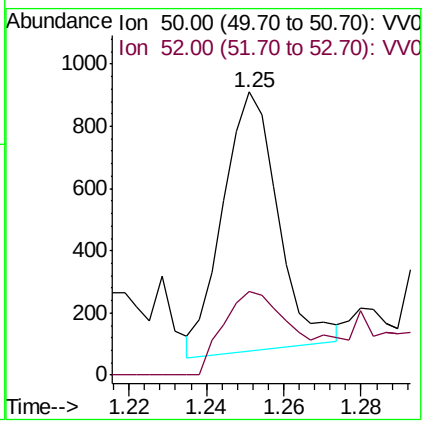


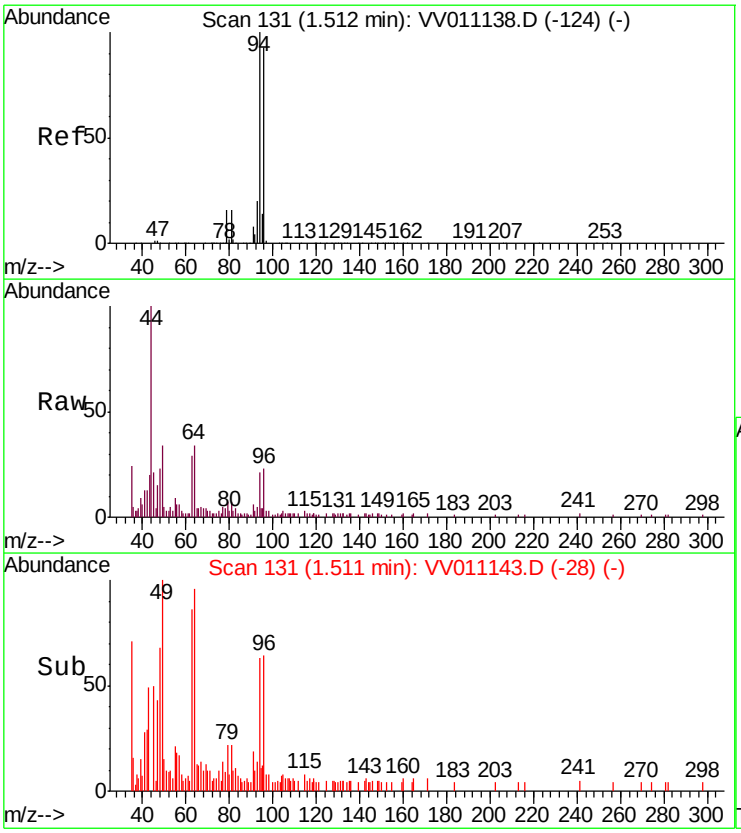

#3
Chloromethane
Concen: 2.255 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51F5

Tgt Ion: 50 Resp: 824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.6 | 22.5 | 41.9 |

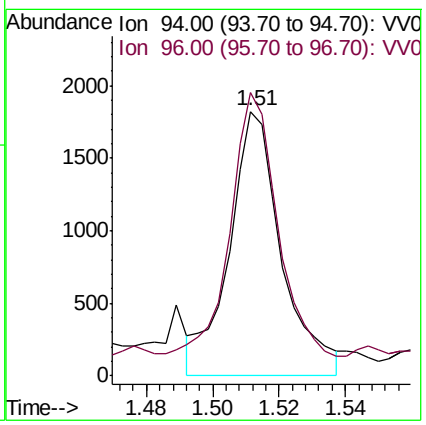


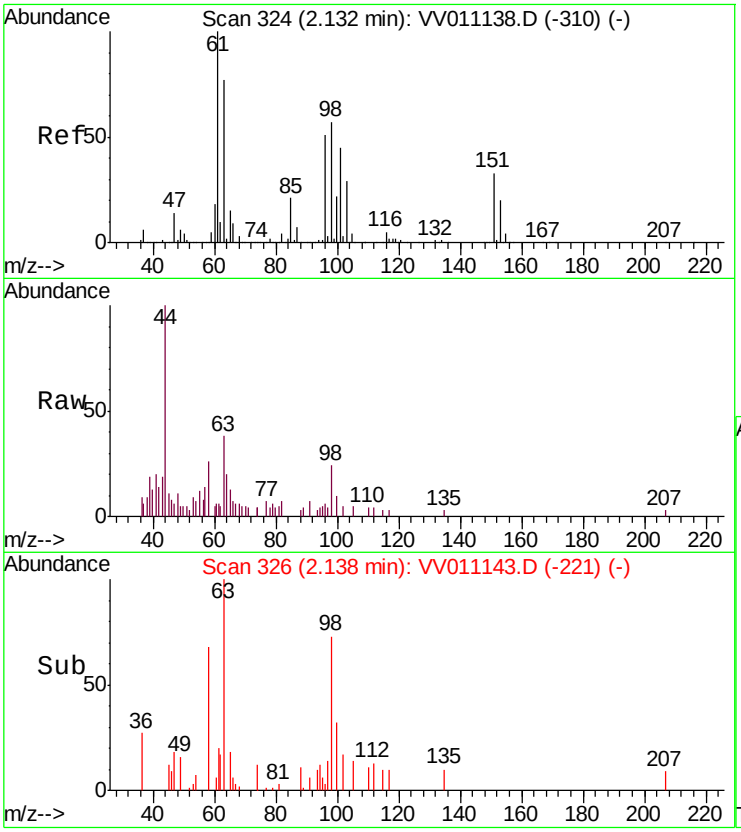




#6
Bromomethane
Concen: 10.175 ug/L
RT: 1.51 min Scan# 131
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion: 94 Resp: 1998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 104.7 | 9.4 | 179.5 |



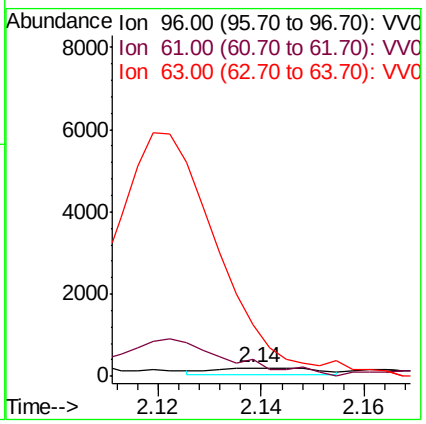


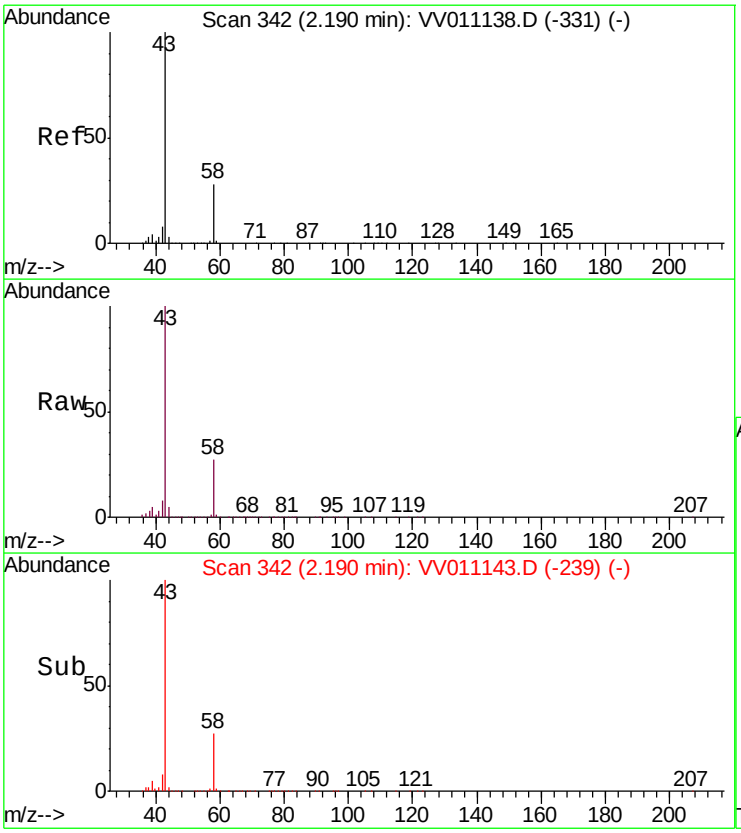

#12
1,1-Dichloroethene
Concen: 0.865 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.01 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :** MSVOA_V
**ClientSampleId :** A51F5

Tgt Ion: 96 Resp: 225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 112.4 | 141.6 | 263.0# |
| 63 | 350.4 | 114.4 | 212.4# |

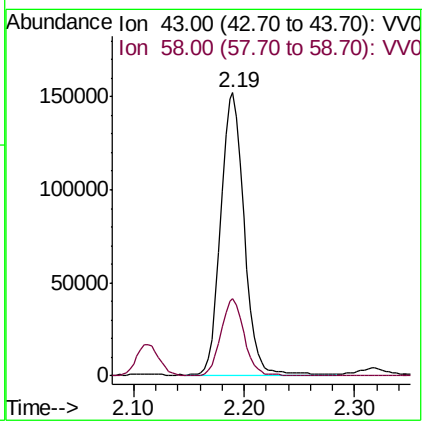


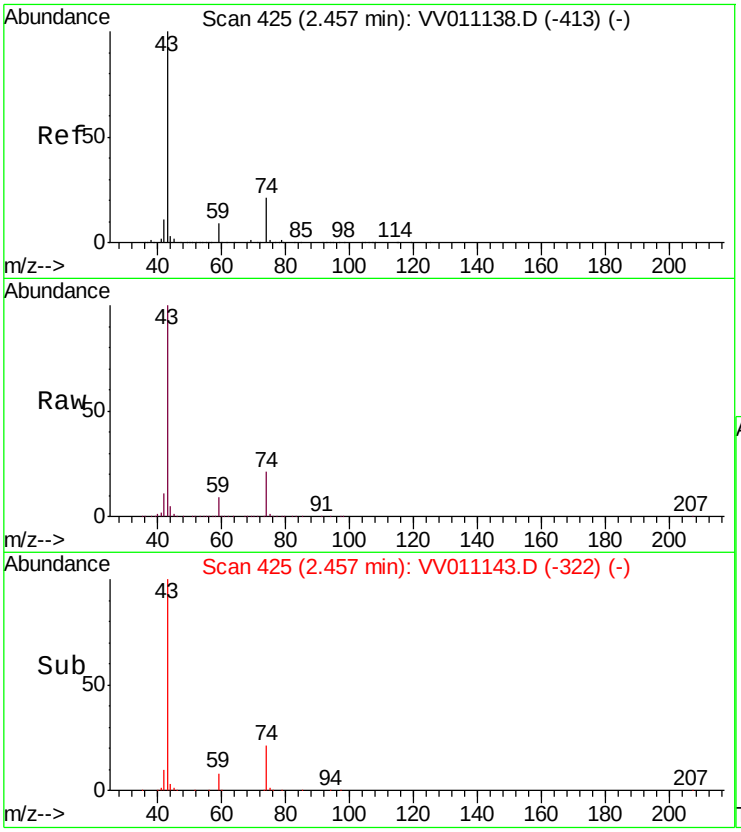




#13
Acetone
Concen: 1674.715 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion: 43 Resp: 222961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.4 | 0.0 | 53.8 |



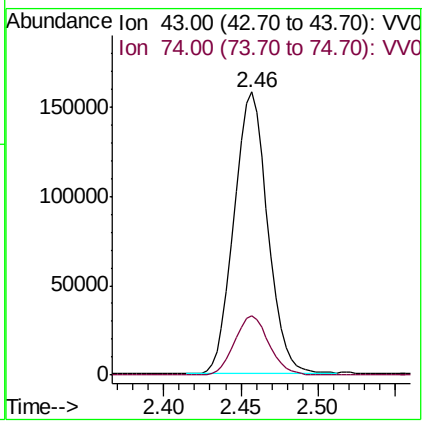


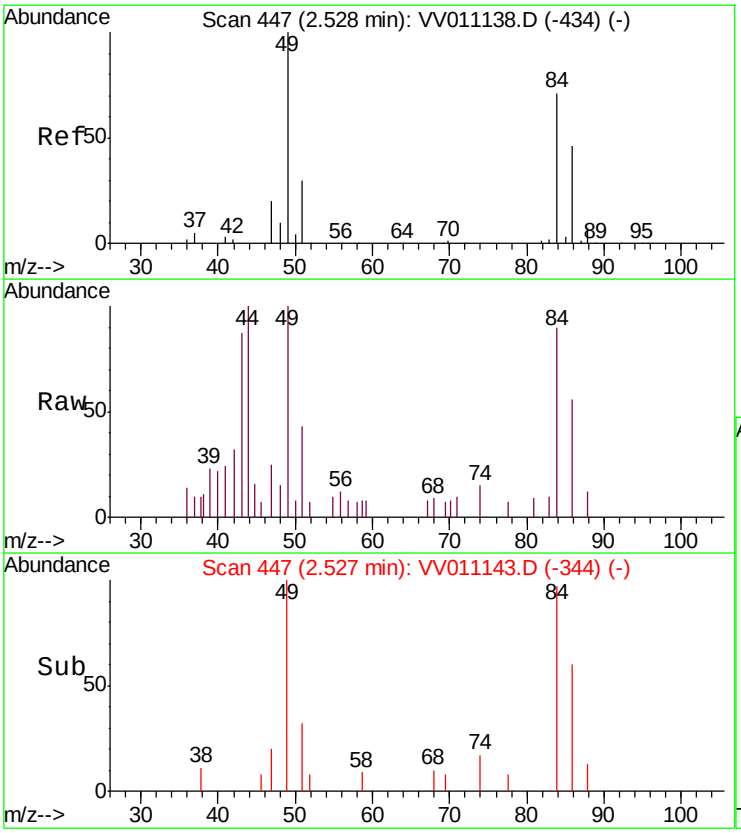

#15
Methyl Acetate
Concen: 1193.535 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51F5

Tgt Ion: 43 Resp: 239101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.7 | 16.2 | 24.4 |

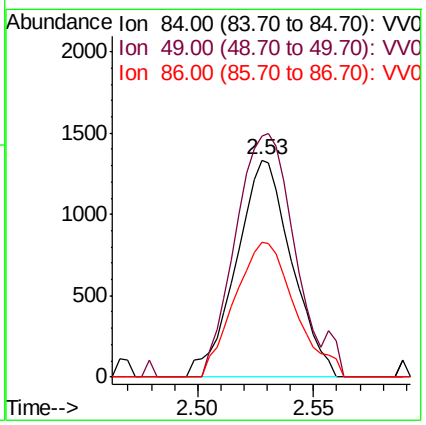


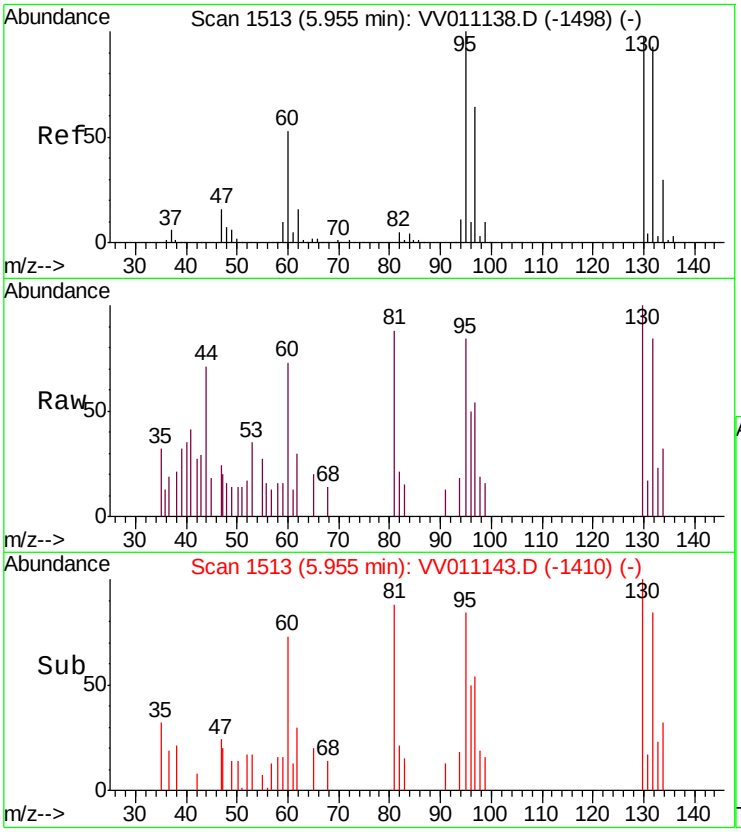




#16
Methylene chloride
Concen: 6.272 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion: 84 Resp: 2212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 110.9 | 96.1 | 178.5 |
| 86 | 62.0 | 45.0 | 83.6 |



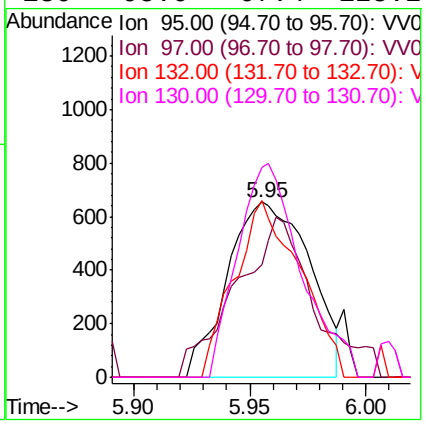


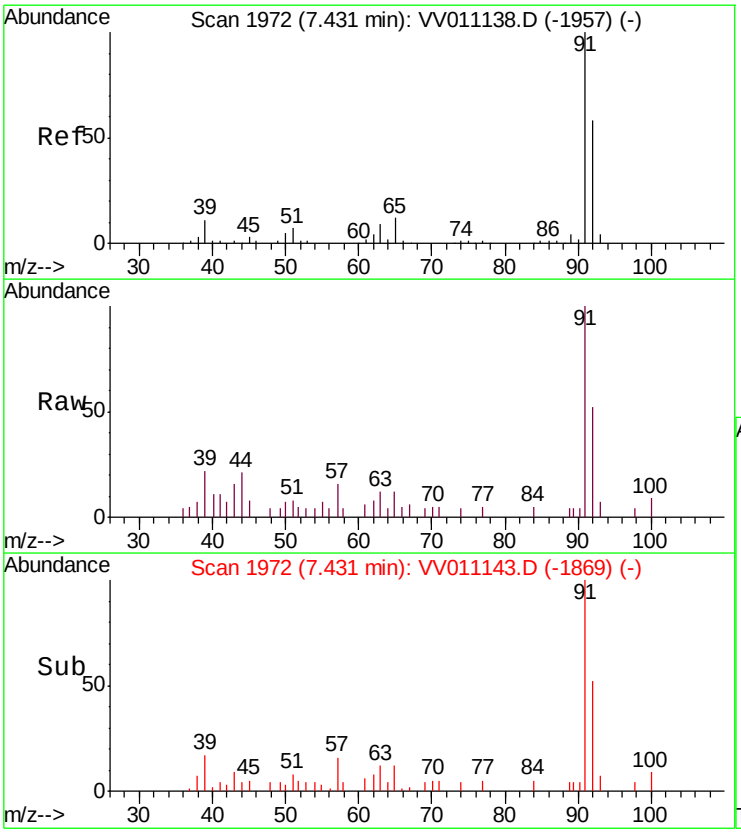

#35
Trichloroethene
Concen: 3.087 ug/L
RT: 5.95 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51F5

Tgt Ion: 95 Resp: 1611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 76.8 | 44.4 | 82.5 |
| 132 | 81.5 | 66.0 | 122.6 |
| 130 | 95.0 | 67.4 | 125.2 |

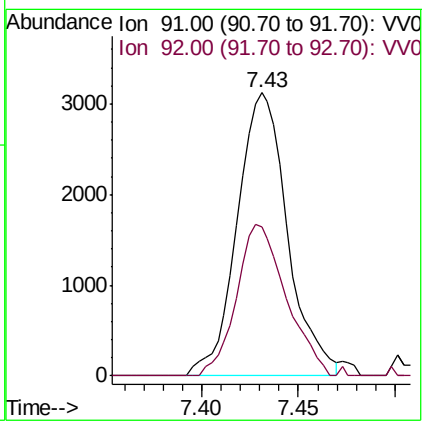


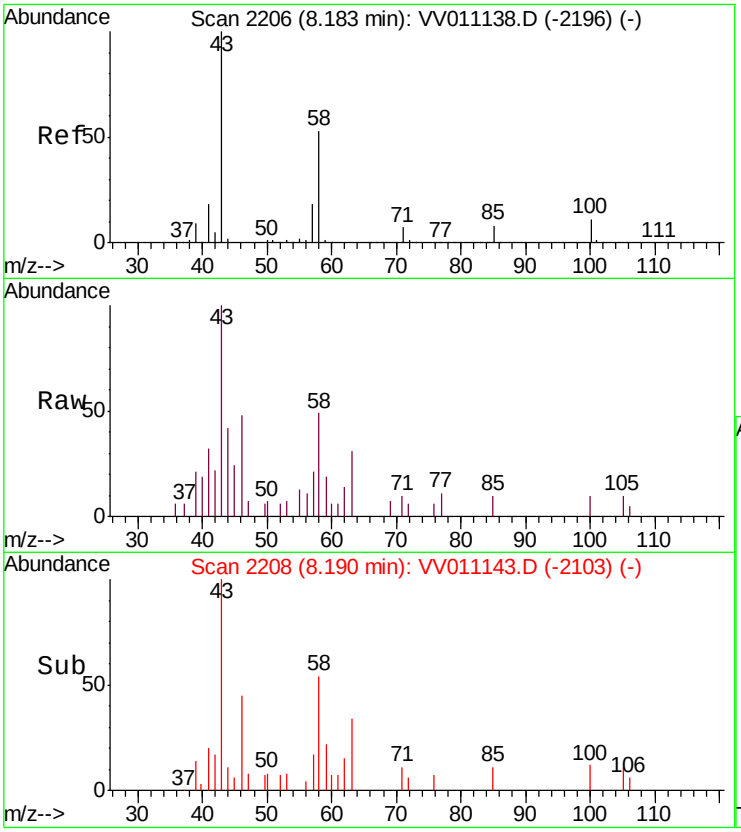




#44
Toluene
Concen: 2.607 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion: 91 Resp: 5663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 39.9 | 74.1 |



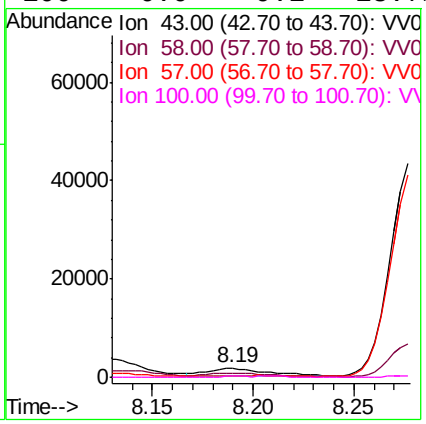


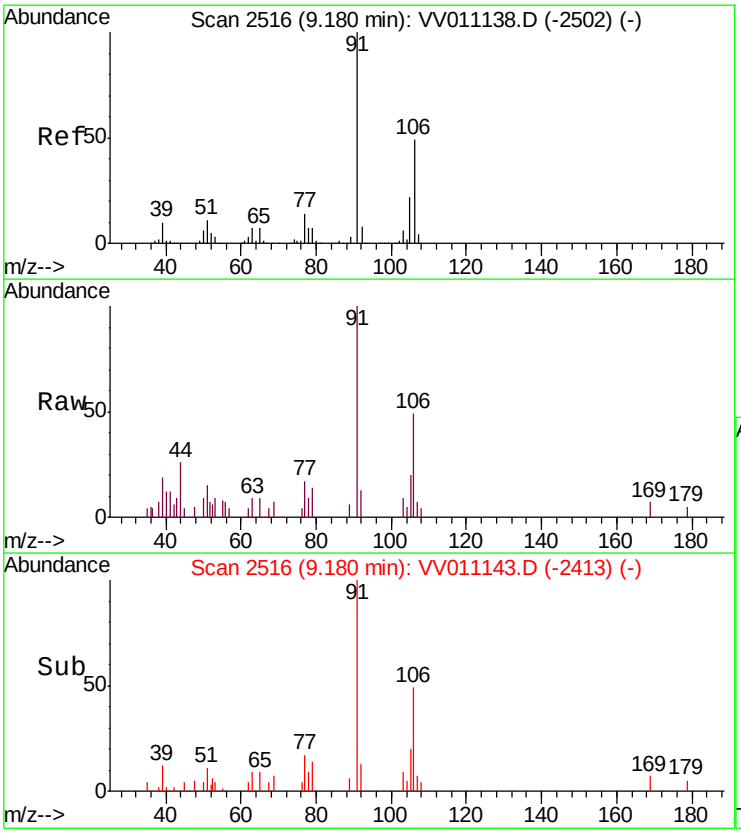

#49
2-Hexanone
Concen: 8.877 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51F5

Tgt Ion: 43 Resp: 3040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.7 | 41.2 | 61.8# |
| 57 | 5.6 | 14.3 | 21.5# |
| 100 | 6.0 | 9.1 | 13.7# |

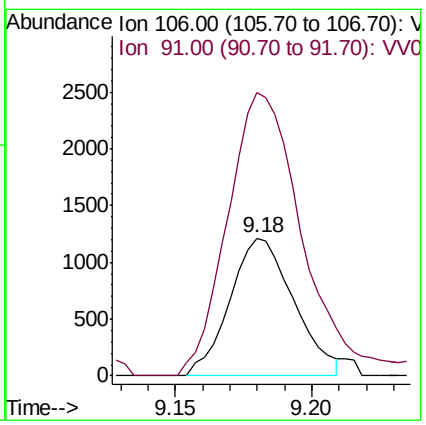


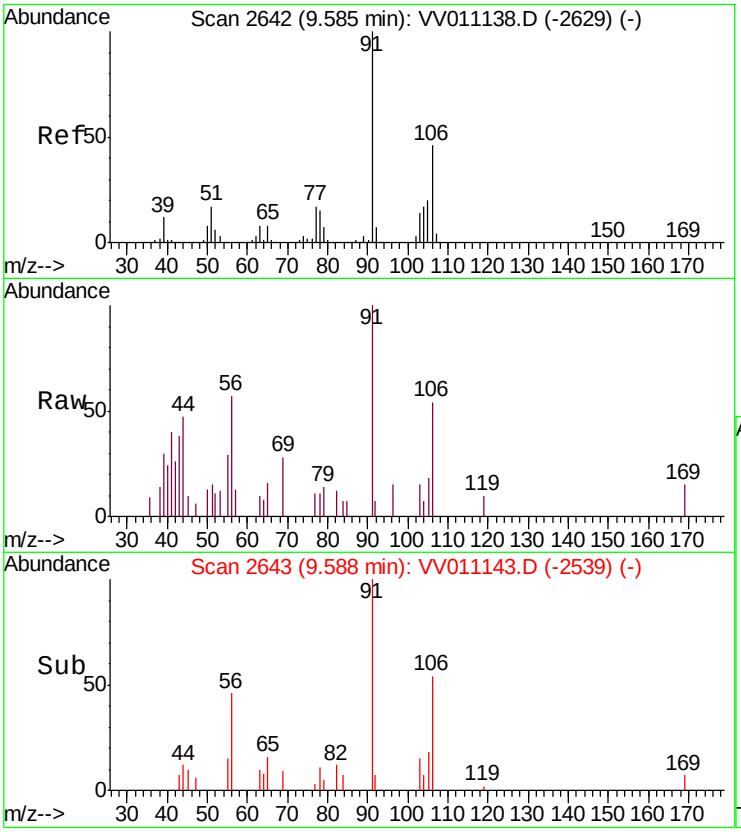




#54
m,p-Xylene
Concen: 2.130 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion:106 Resp: 1975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.7 | 145.3 | 269.9 |



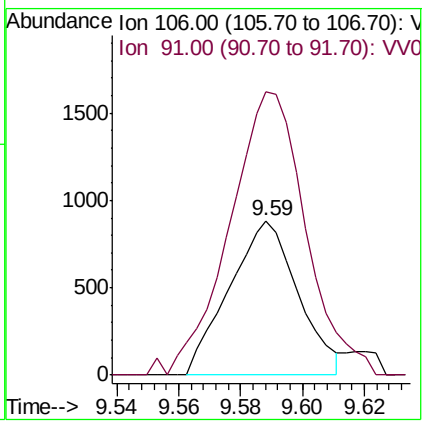


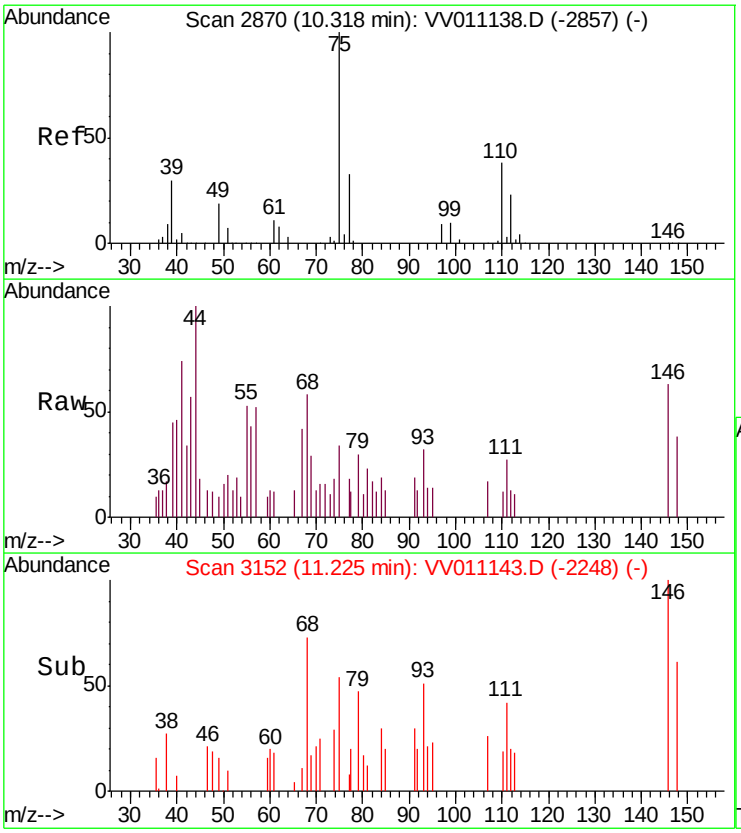

#55
o-xylene
Concen: 1.495 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :**
MSVOA_V
**ClientSampleId :**
A51F5

Tgt Ion:106 Resp: 1363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 183.7 | 156.4 | 290.6 |

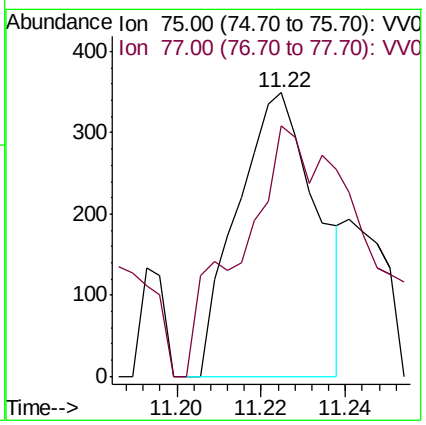


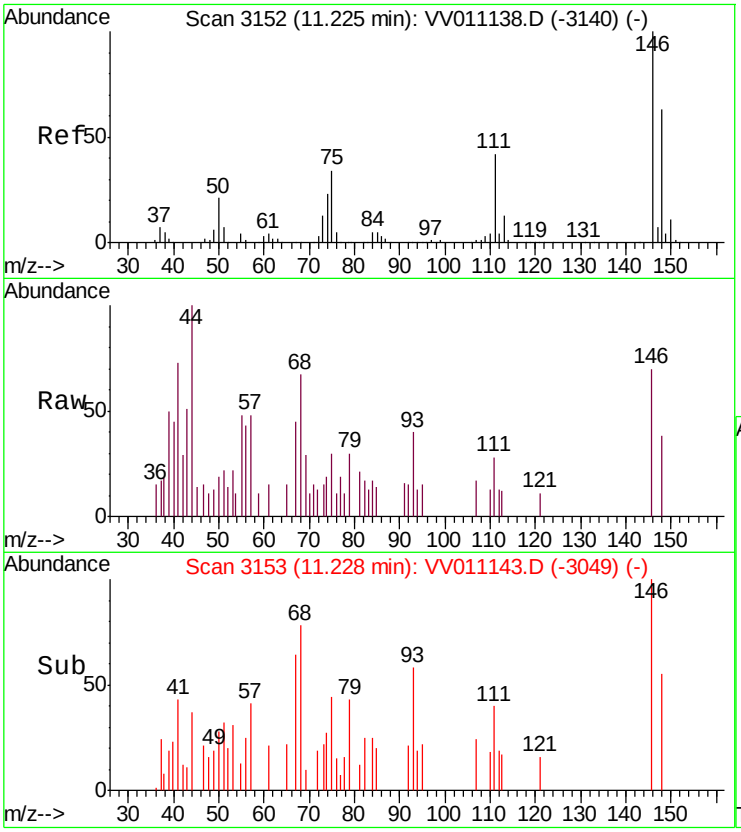




#59
1,2,3-Trichloropropane
Concen: 1.090 ug/L
RT: 11.22 min Scan# 3152
Delta R.T. 0.91 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion: 75 Resp: 457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.7 | 38.5 |



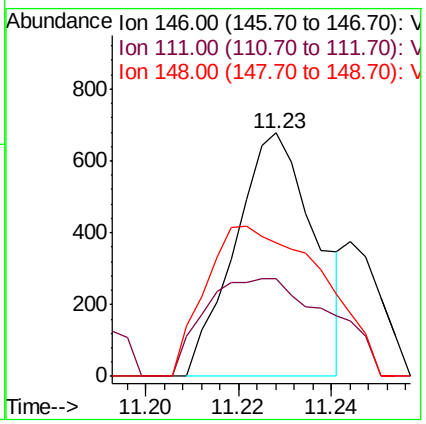


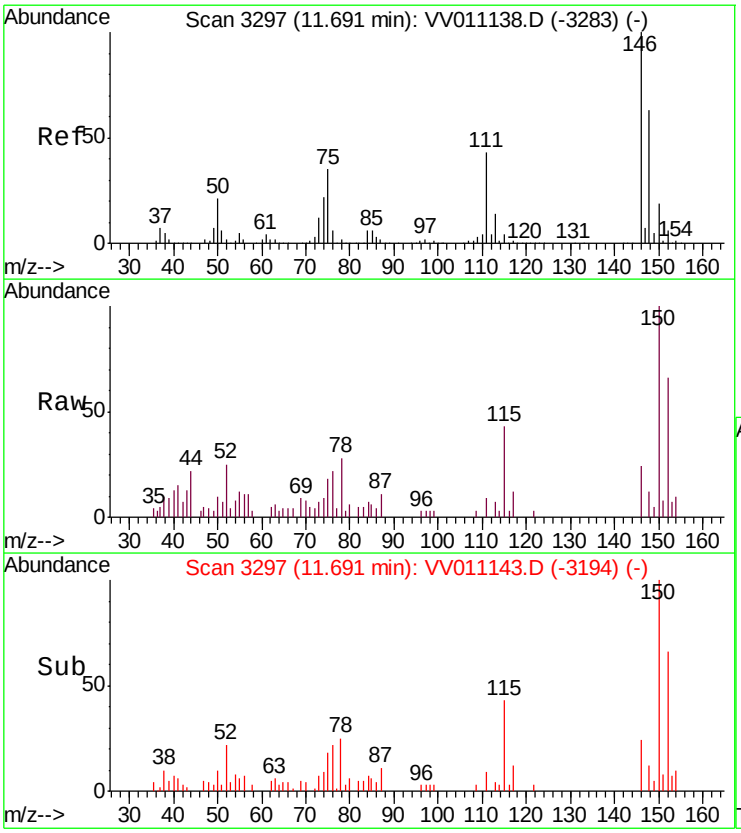

#63
1,3-Dichlorobenzene
Concen: 0.638 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :** MSVOA_V
**ClientSampleId :** A51F5

Tgt Ion:146 Resp: 815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 29.9 | 55.5 |
| 148 | 54.7 | 45.4 | 84.2 |

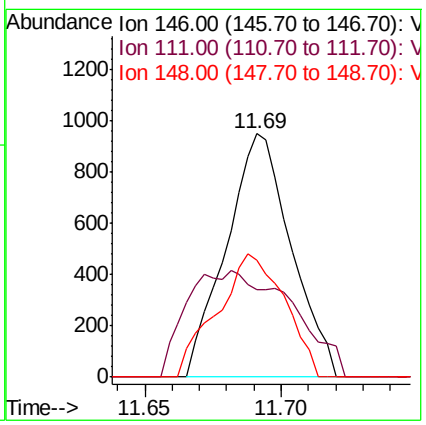


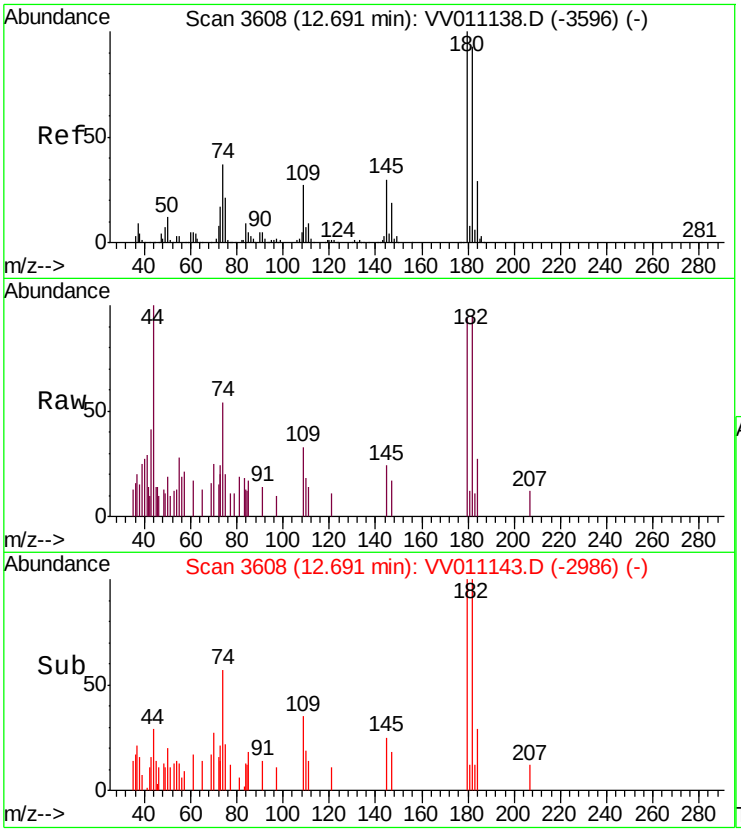




#65
1,2-Dichlorobenzene
Concen: 1.292 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion:146 Resp: 1562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.9 | 34.8 | 52.2 |
| 148 | 47.8 | 51.0 | 76.6# |



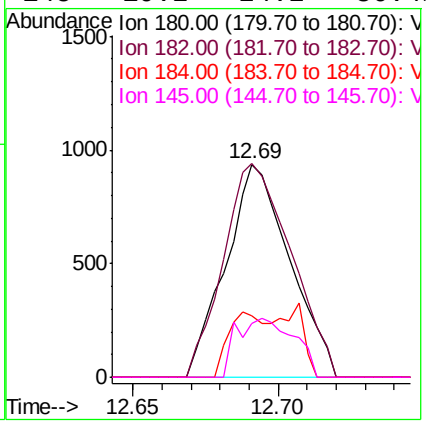


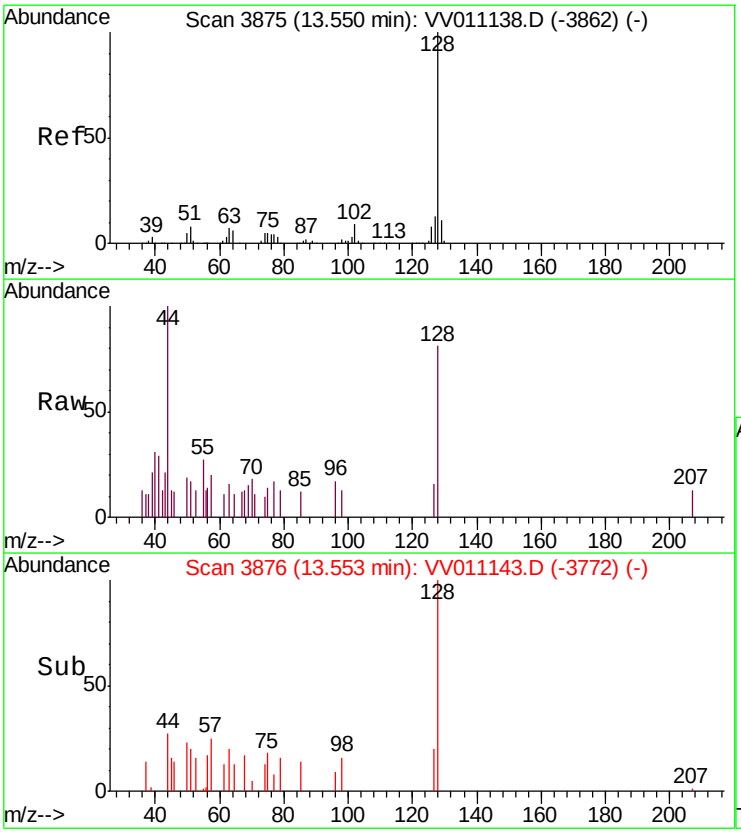

#67
1,3,5-Trichlorobenzene
Concen: 1.506 ug/L
RT: 12.69 min Scan# 3608
Delta R.T. -0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

**Instrument :** MSVOA_V
**ClientSampleId :** A51F5

Tgt Ion:180 Resp: 1437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 105.9 | 75.3 | 112.9 |
| 184 | 15.8 | 24.3 | 36.5# |
| 145 | 19.2 | 24.2 | 36.4# |




#69
Naphthalene
Concen: 0.839 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV011143.D
Acq: 30 May 2019 18:40

Tgt Ion:128 Resp: 1321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 6.7 | 8.6 | 13.0# |
| 127 | 11.8 | 10.6 | 16.0 |