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

Quantitation Report (Not Reviewed)

Data File : VV013404.D
Acq On : 29 Oct 2019 19:29
Operator : SY/MD
Sample : K5597-01
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Quant Time: Oct 30 02:54:59 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 | 344861 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 368734 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 187391 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 167638 | 5.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 101.80% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 134757 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 103.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 206556 | 3.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 77.40% | | | |
| 20) 2-Butanone-d5 | 3.92 | 46 | 398753 | 53.44 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 106.88% | | | |
| 24) Chloroform-d | 4.40 | 84 | 309684 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 166348 | 5.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 652775 | 5.07 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 205449 | 5.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 102.80% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 548896 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 66715 | 4.53 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 90.60% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 234750 | 49.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 98.72% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 124985 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 96.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 199979 | 5.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 106.40% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 13) Acetone | 2.19 | 43 | 9438 | 2.589 | ug/L | 97 |
| 14) Carbon disulfide | 2.32 | 76 | 14465 | 0.181 | ug/L # | 91 |
| 25) Chloroform | 4.42 | 83 | 14709 | 0.215 | ug/L | 83 |
| 27) 1,2-Dichloroethane | 5.10 | 62 | 3359 | 0.089 | ug/L | 95 |
| 33) Benzene | 5.15 | 78 | 13285 | 0.096 | ug/L | 100 |
| 35) Methylcyclohexane | 6.12 | 83 | 47619 | 0.844 | ug/L # | 17 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 22522 | 0.647 | ug/L # | 89 |
| 42) Toluene | 7.43 | 91 | 23269 | 0.162 | ug/L | 98 |
| 48) 2-Hexanone | 8.18 | 43 | 29830 | 2.151 | ug/L | 92 |
| 51) Chlorobenzene | 8.92 | 112 | 6690 | 0.072 | ug/L | 89 |
| 53) m,p-xylene | 9.18 | 106 | 5526 | 0.098 | ug/L | 95 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 5152 | 0.082 | ug/L | 94 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 5800 | 0.092 | ug/L | 85 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 4406 | 0.075 | ug/L # | 65 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 5289 | 0.105 | ug/L | 97 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 6321 | 0.161 | ug/L | 93 |
| 69) Naphthalene | 13.55 | 128 | 12438 | 0.232 | ug/L | 96 |

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

Quantitation Report (Not Reviewed)

Data File : VV013404.D
Acq On : 29 Oct 2019 19:29
Operator : SY/MD
Sample : K5597-01
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Quant Time: Oct 30 02:54:59 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) |
|---|---|---|---|---|---|---|
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 5139 | 0.144 | ug/L | 91 |

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

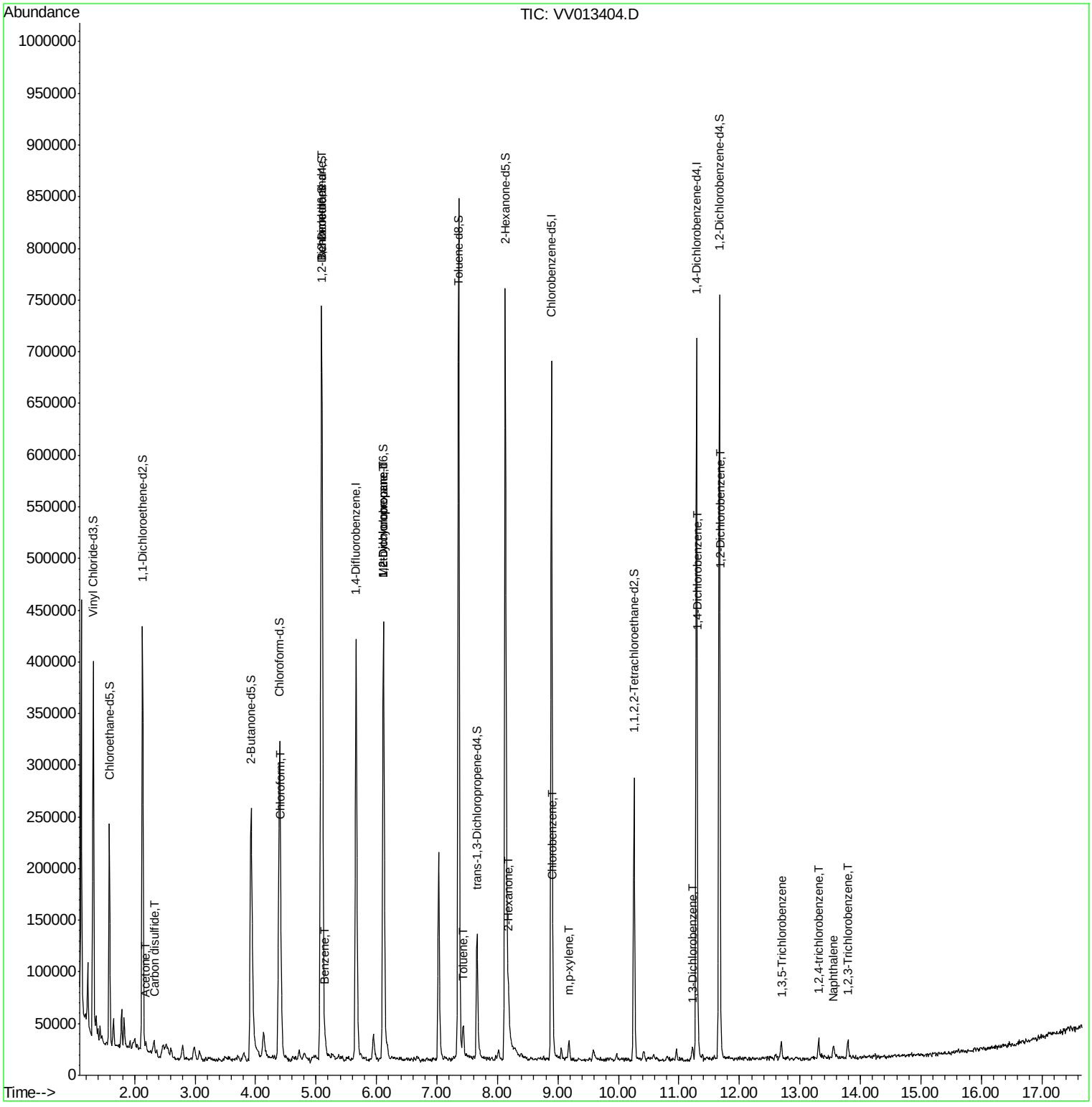
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\

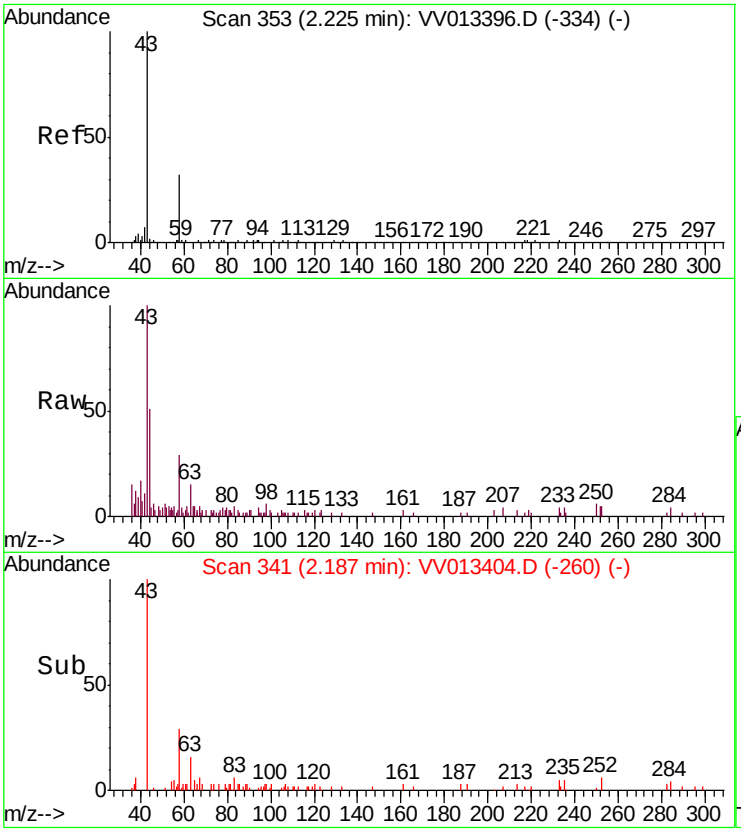
Quantitation Report (Not Reviewed)

Data File : VV013404.D
Acq On : 29 Oct 2019 19:29
Operator : SY/MD
Sample : K5597-01
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Quant Time: Oct 30 02:54:59 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



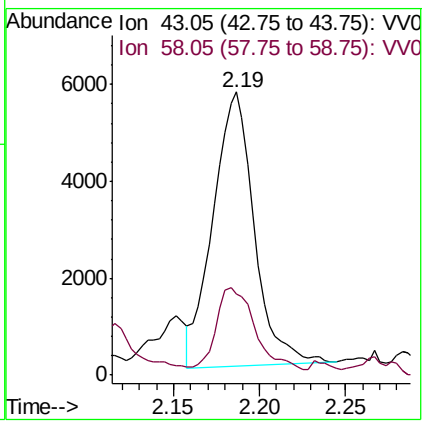


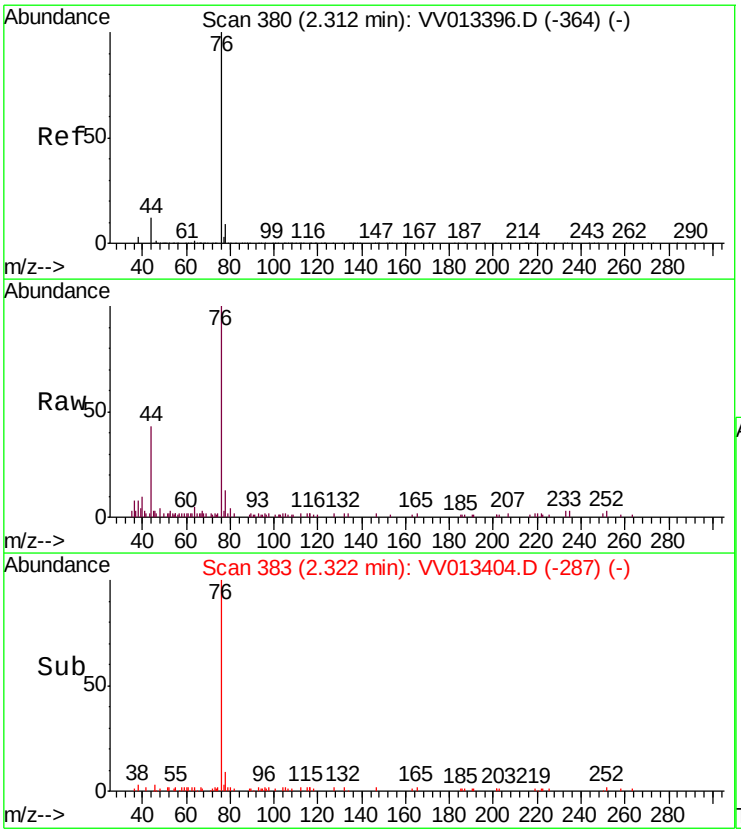

#13
Acetone
Concen: 2.589 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.04 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQD2

Tgt Ion: 43 Resp: 9438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 0.0 | 59.0 |

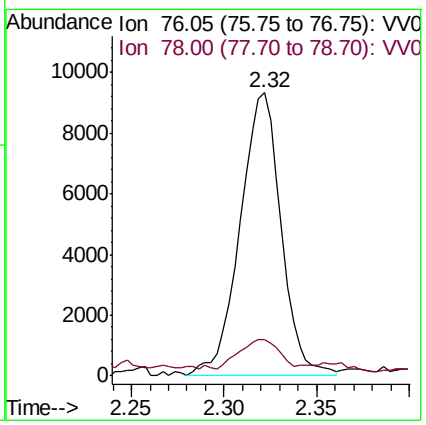


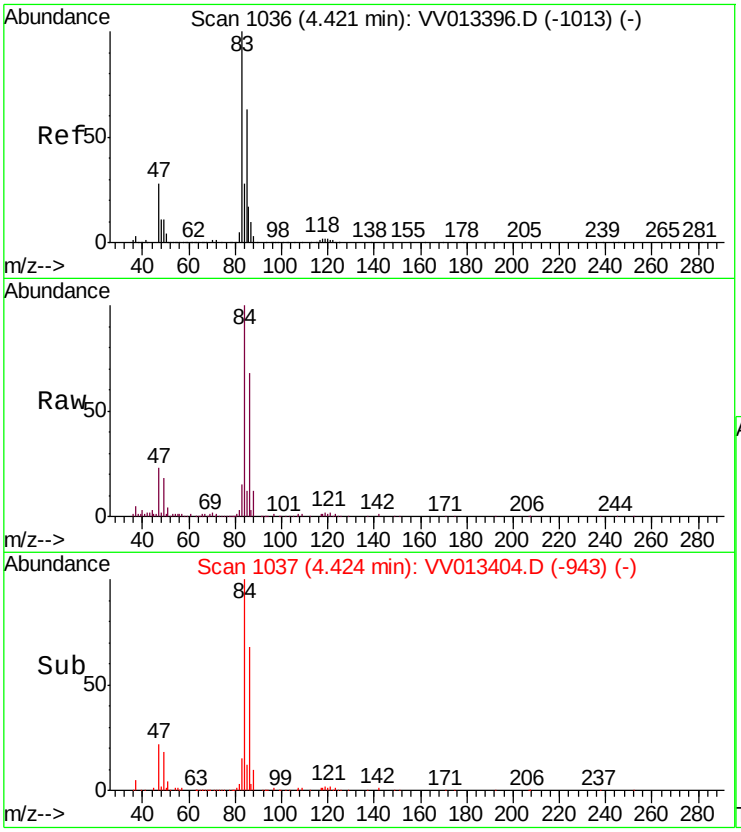




#14
Carbon disulfide
Concen: 0.181 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion: 76 Resp: 14465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 12.7 | 7.5 | 11.3# |



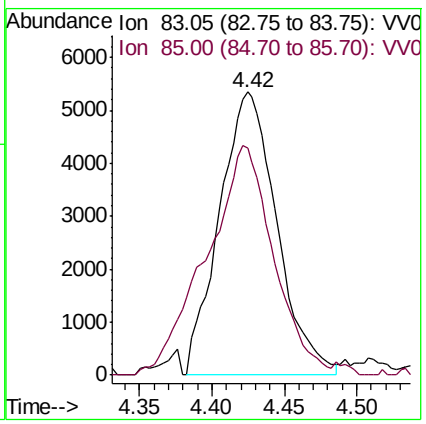


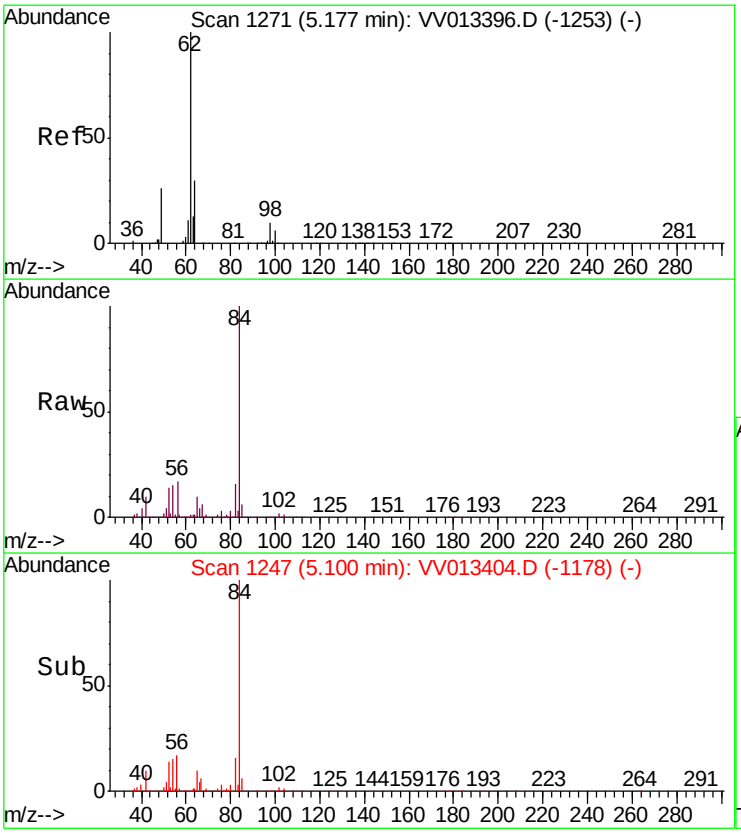

#25
Chloroform
Concen: 0.215 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Tgt Ion: 83 Resp: 14709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 80.2 | 46.5 | 86.5 |

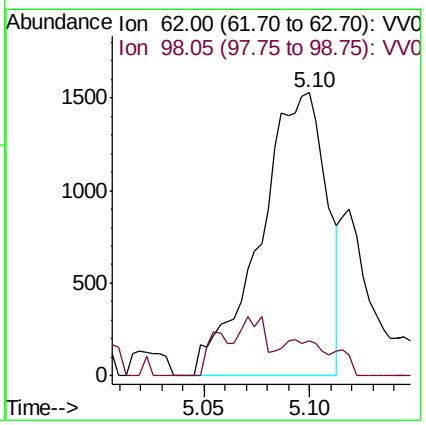


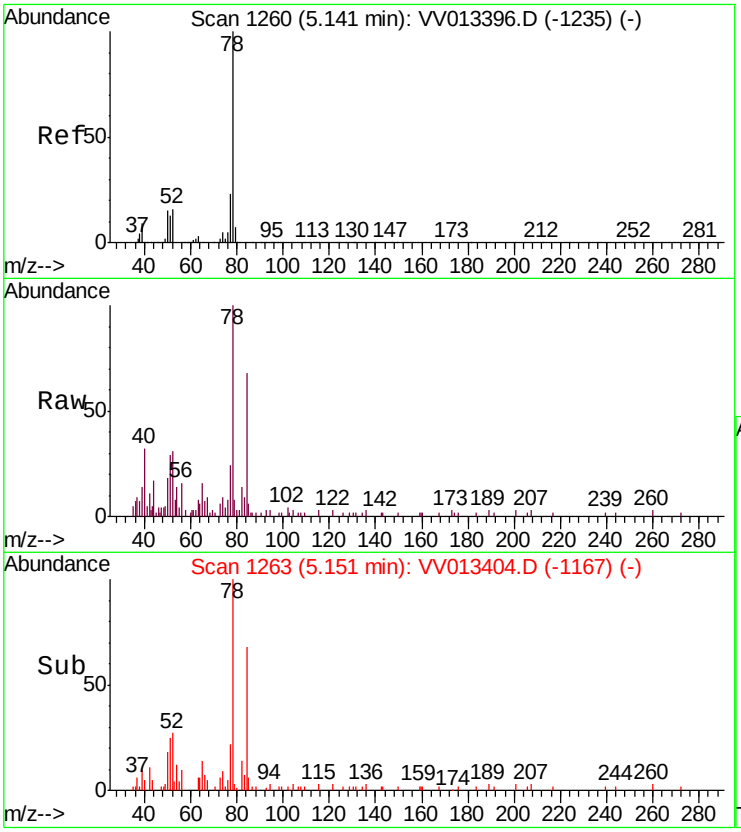




#27
1,2-Dichloroethane
Concen: 0.089 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. -0.08 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion: 62 Resp: 3359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 12.5 | 8.6 | 12.8 |

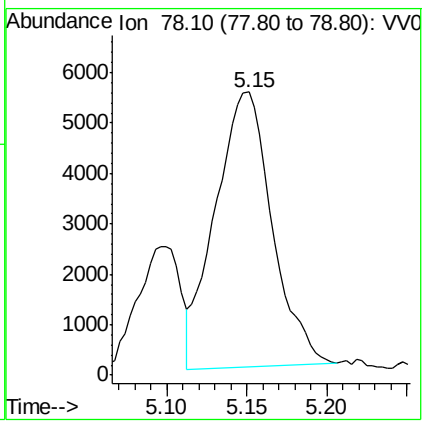


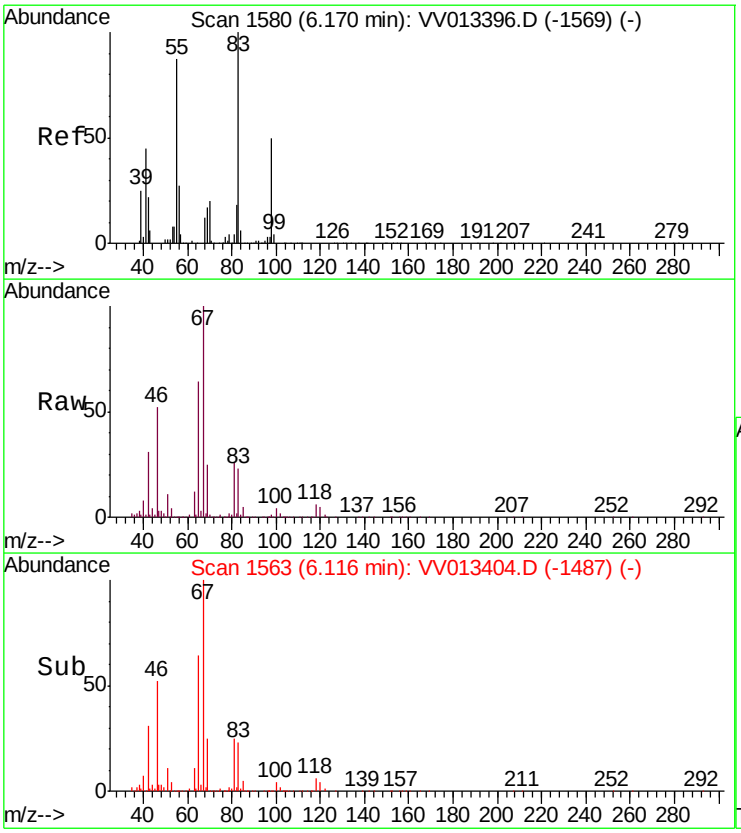



#33
Benzene
Concen: 0.096 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQD2

Tgt Ion: 78 Resp: 13285

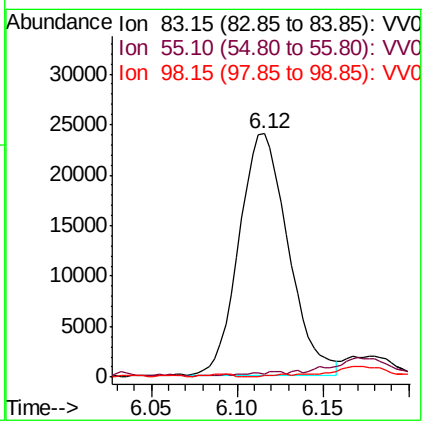


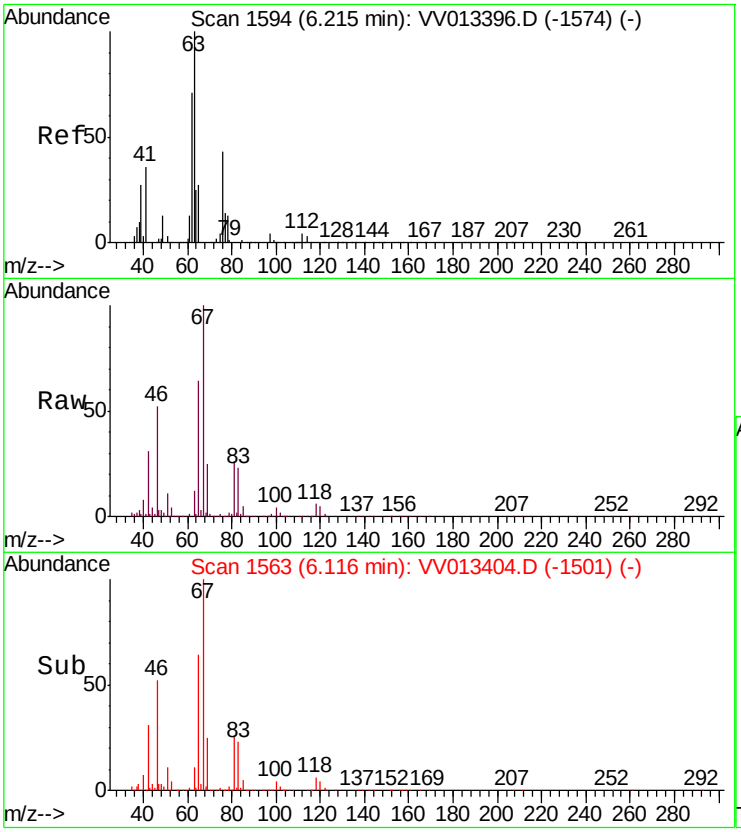




#35
Methylcyclohexane
Concen: 0.844 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion: 83 Resp: 47619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 1.6 | 66.0 | 99.0# |
| 98 | 0.0 | 38.2 | 57.4# |



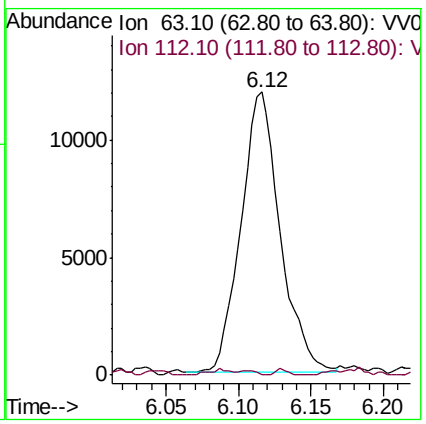


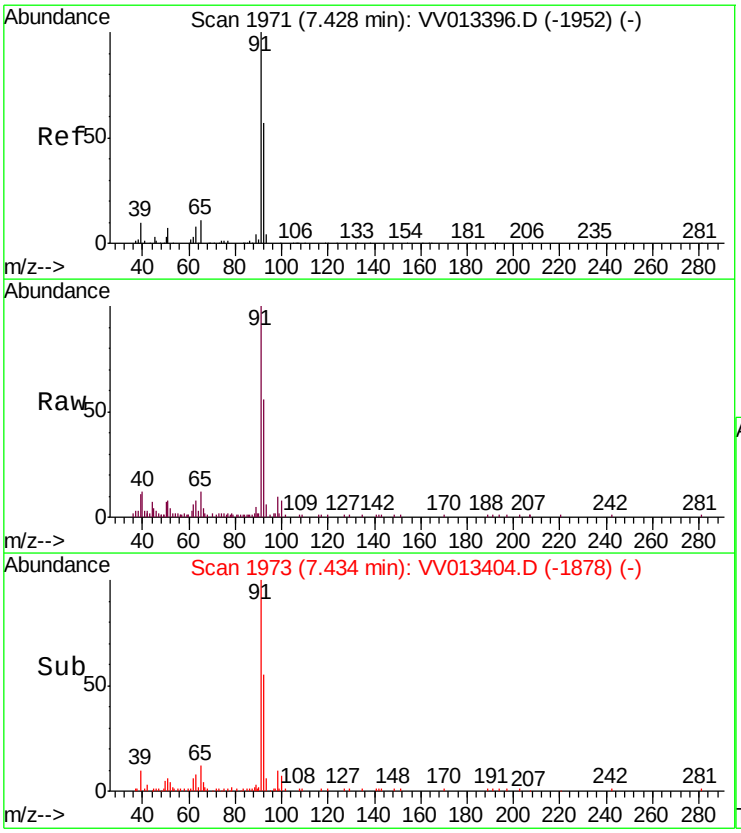

#37
1,2-Dichloropropane
Concen: 0.647 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Tgt Ion: 63 Resp: 22522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.7 | 3.6 | 5.4# |

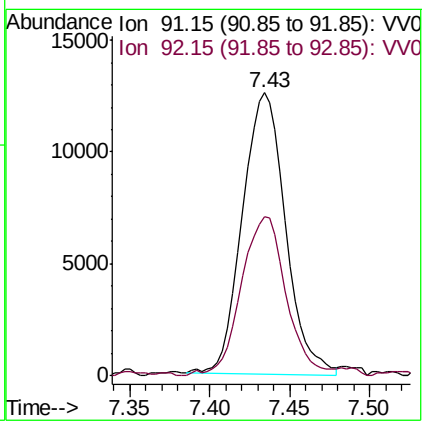


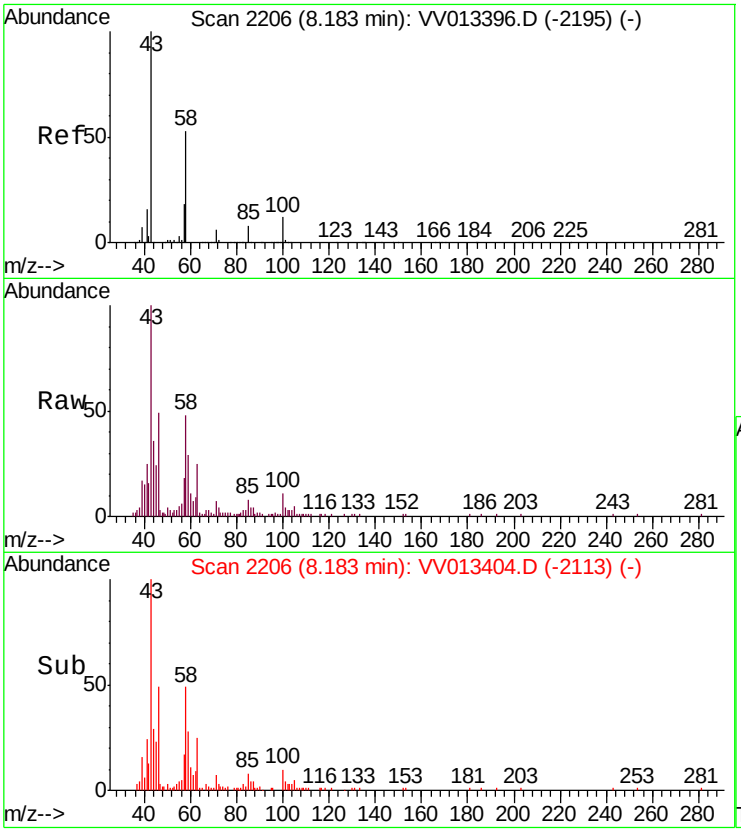




#42
Toluene
Concen: 0.162 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion: 91 Resp: 23269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.4 | 40.3 | 74.8 |



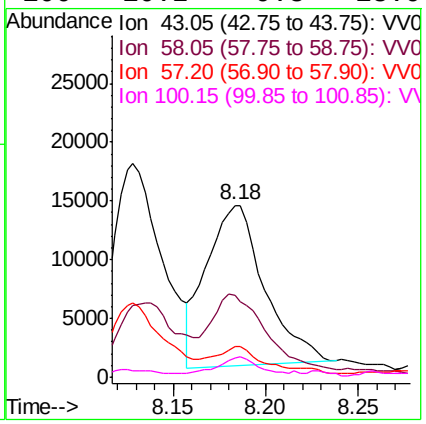


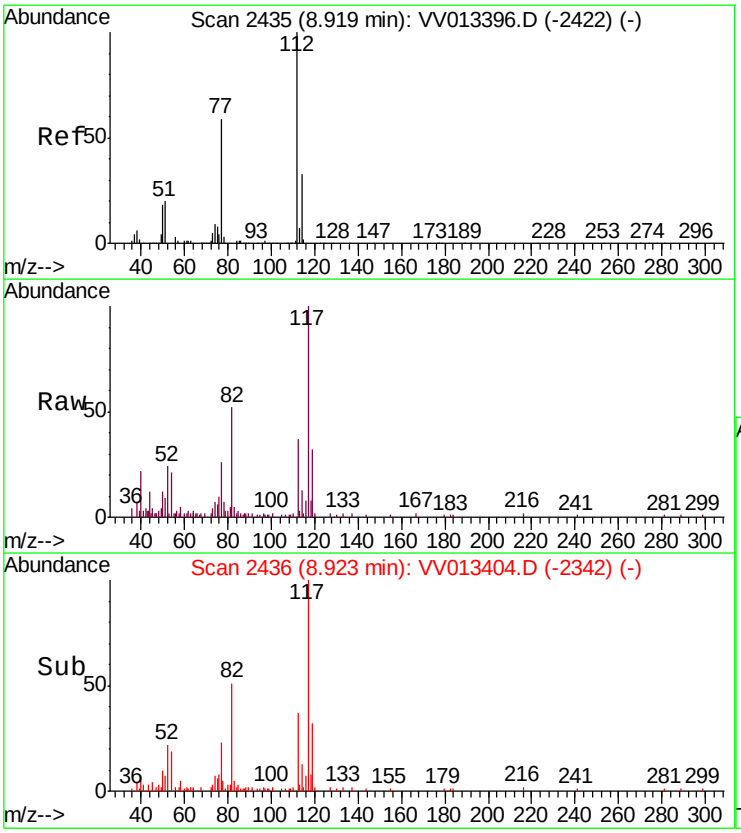

#48
2-Hexanone
Concen: 2.151 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Tgt Ion: 43 Resp: 29830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.3 | 43.5 | 65.3 |
| 57 | 15.3 | 14.3 | 21.5 |
| 100 | 10.2 | 9.3 | 13.9 |

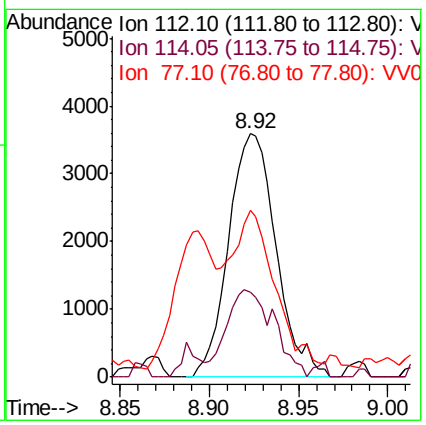


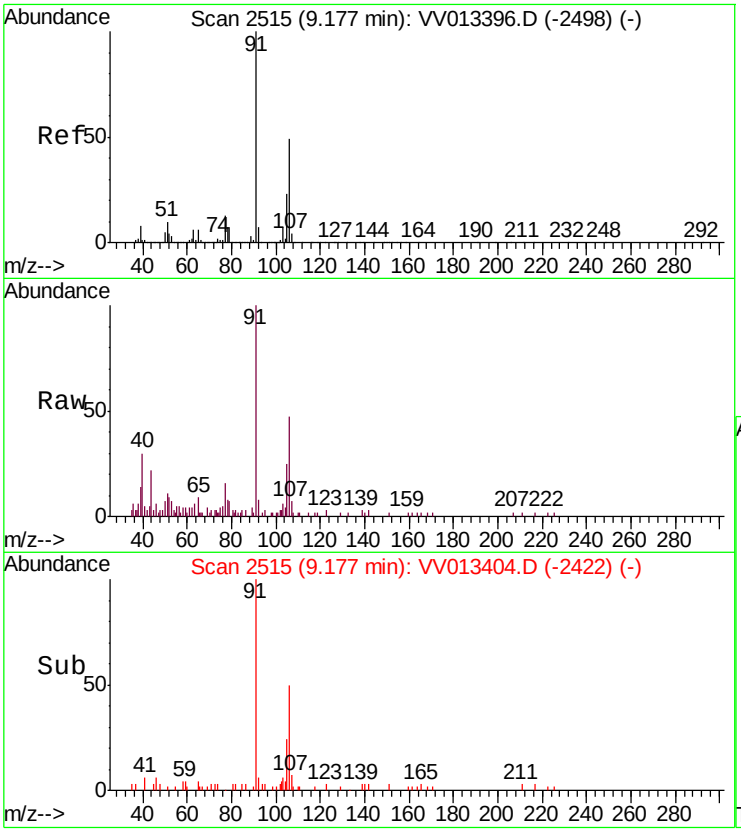




#51
Chlorobenzene
Concen: 0.072 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion:112 Resp: 6690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 35.1 | 22.2 | 41.2 |
| 77 | 68.4 | 46.7 | 70.1 |



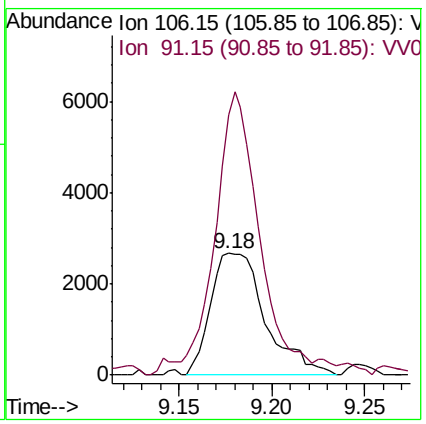


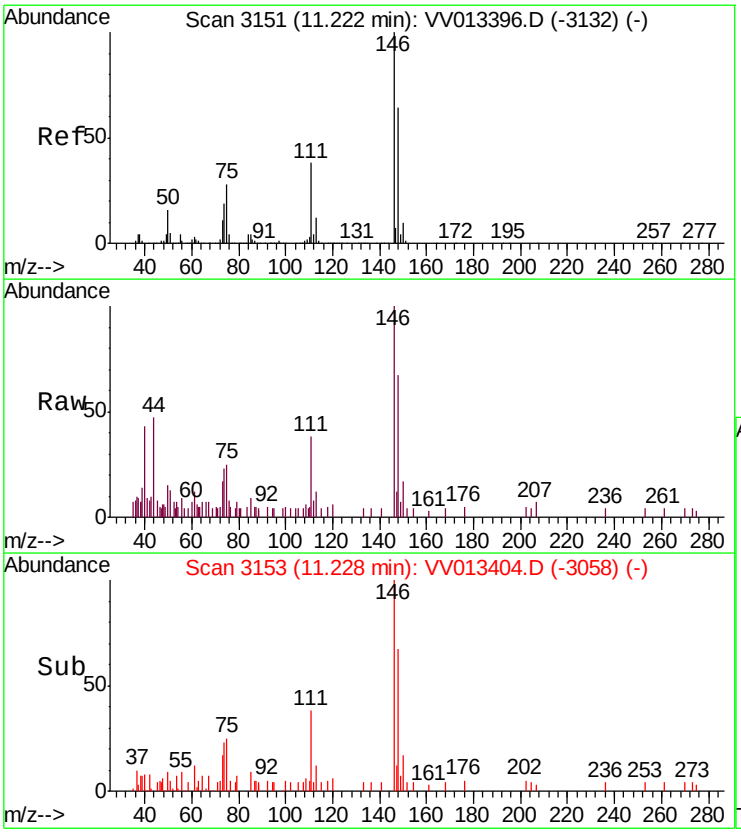

#53
m,p-xylene
Concen: 0.098 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Tgt Ion:106 Resp: 5526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.7 | 144.3 | 267.9 |

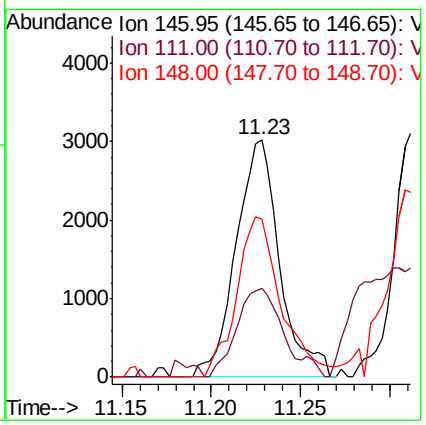


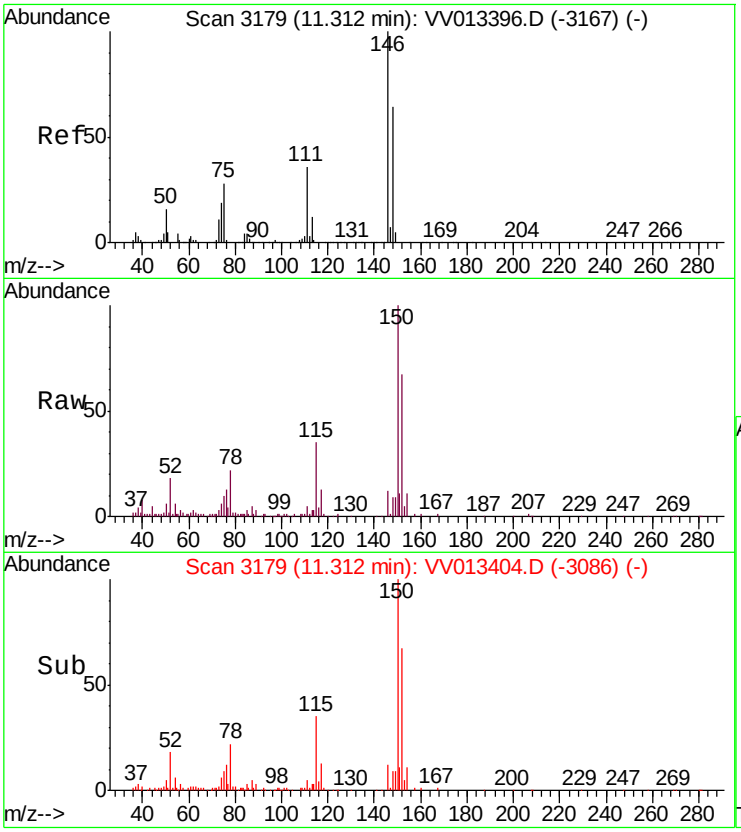




#62
1,3-Dichlorobenzene
Concen: 0.082 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion:146 Resp: 5152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.6 | 27.2 | 50.4 |
| 148 | 73.7 | 46.6 | 86.6 |



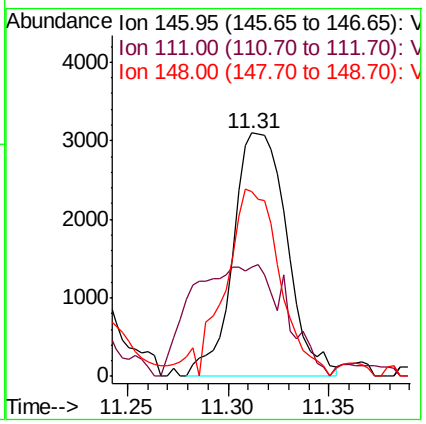


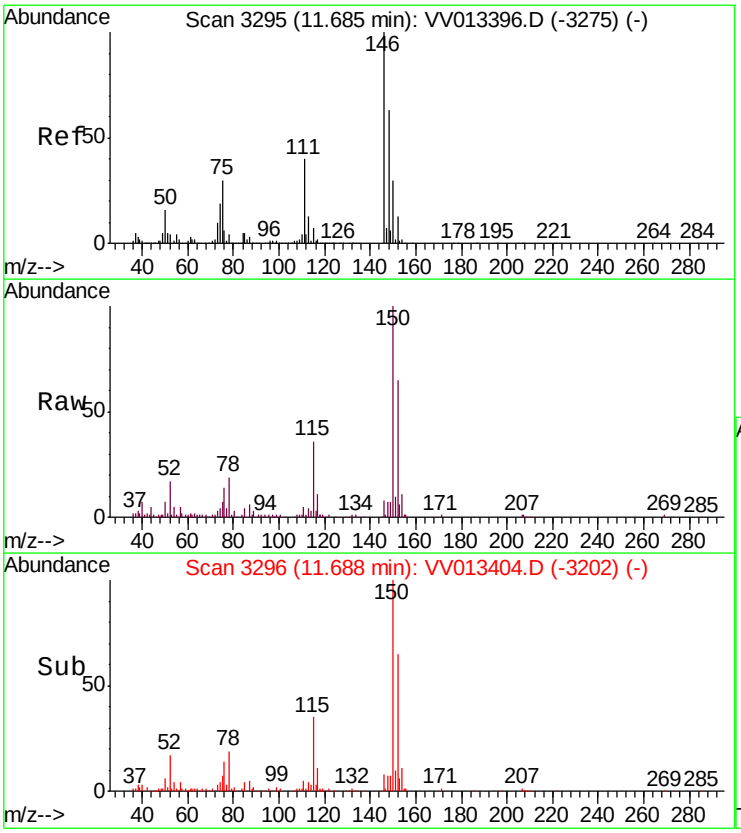

#63
1,4-Dichlorobenzene
Concen: 0.092 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQD2

Tgt Ion:146 Resp: 5800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.0 | 25.4 | 47.2 |
| 148 | 75.7 | 44.9 | 83.5 |

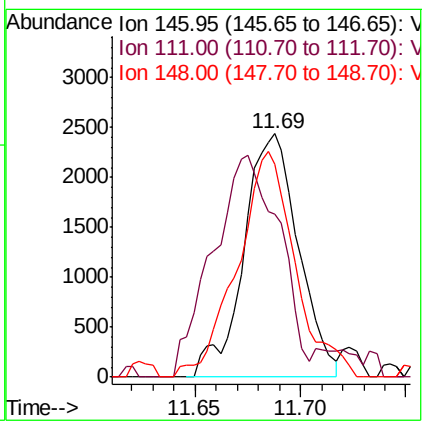


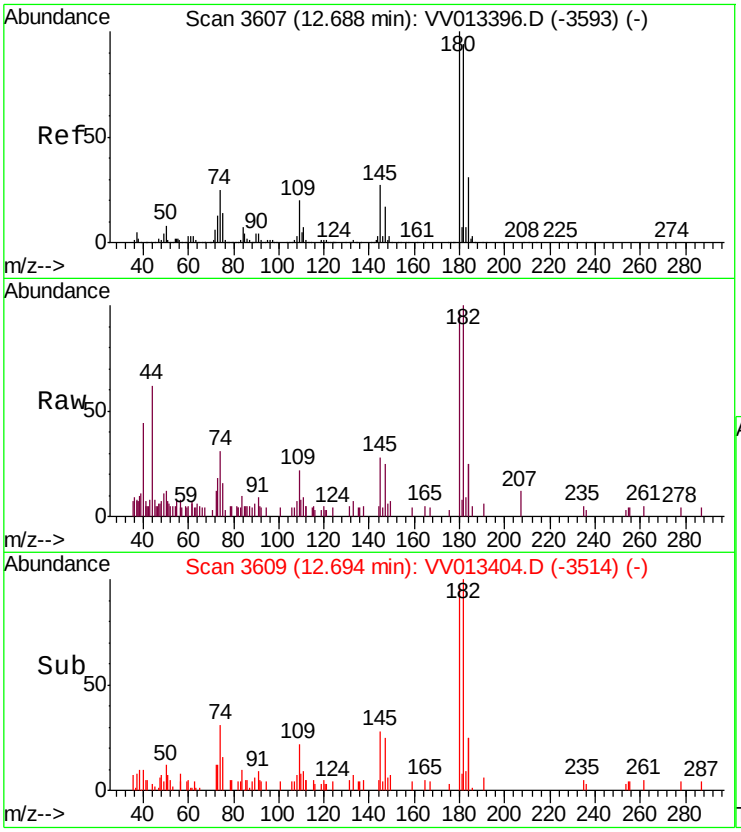




#65
1,2-Dichlorobenzene
Concen: 0.075 ug/L
RT: 11.69 min Scan# 3296
Delta R.T. 0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion:146 Resp: 4406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 67.0 | 31.9 | 47.9# |
| 148 | 87.6 | 51.3 | 76.9# |



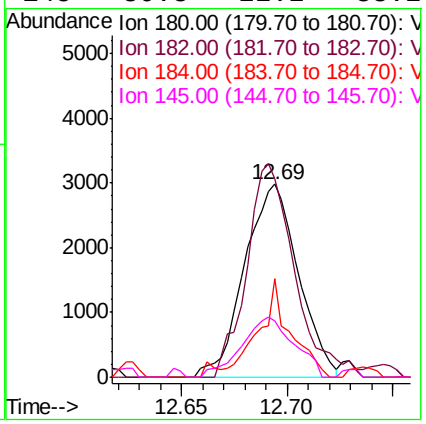


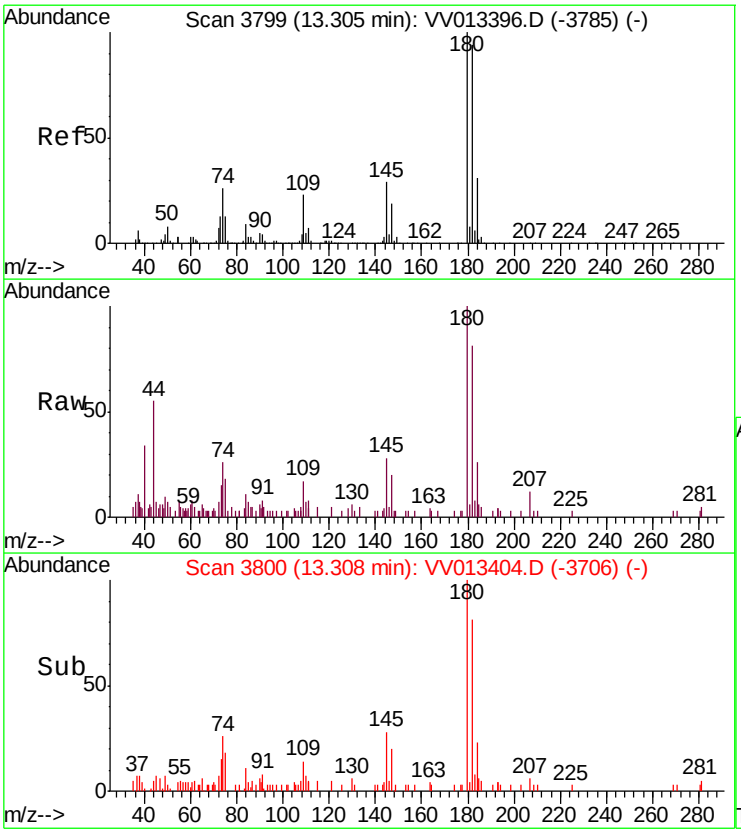

#67
1,3,5-Trichlorobenzene
Concen: 0.105 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAQD2

Tgt Ion:180 Resp: 5289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.8 | 76.4 | 114.6 |
| 184 | 30.3 | 24.6 | 36.8 |
| 145 | 30.3 | 22.2 | 33.2 |

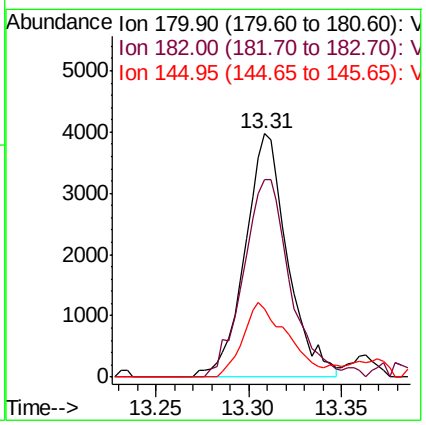


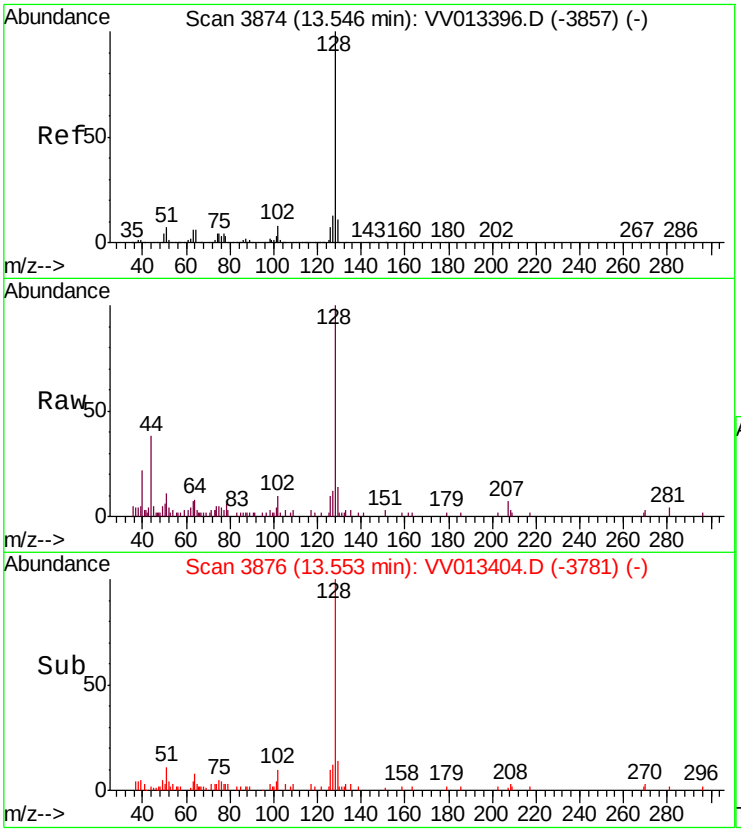




#68
1,2,4-trichlorobenzene
Concen: 0.161 ug/L
RT: 13.31 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion:180 Resp: 6321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 88.7 | 76.2 | 114.4 |
| 145 | 32.2 | 22.5 | 33.7 |



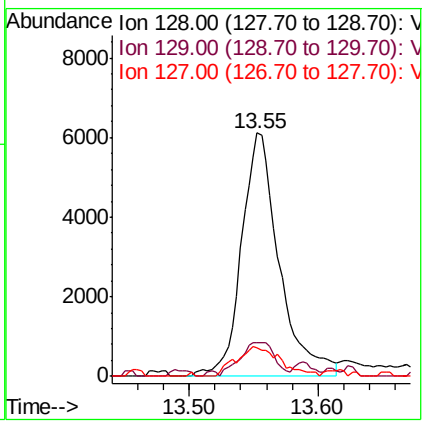


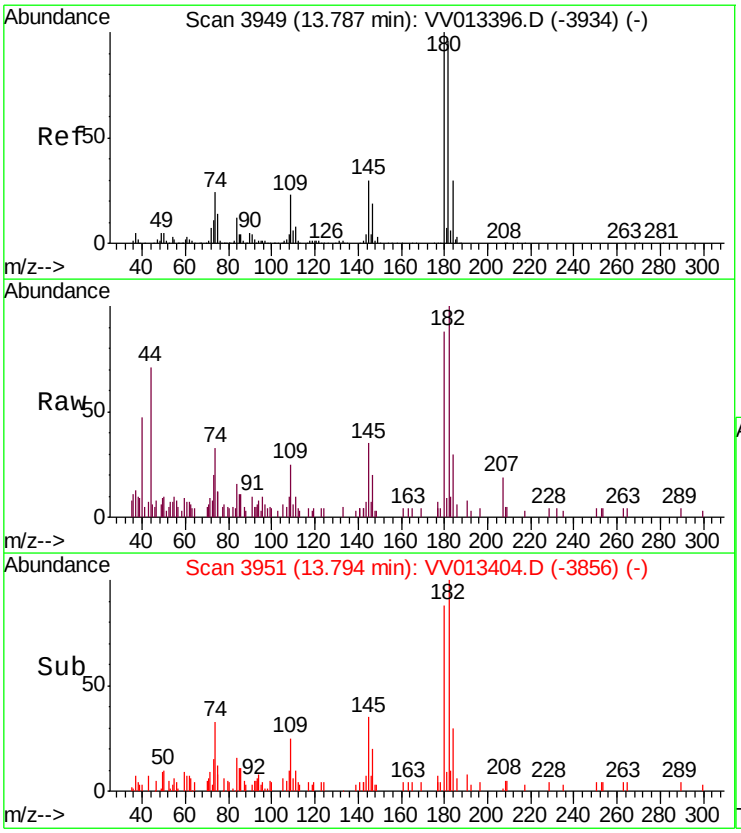

#69
Naphthalene
Concen: 0.232 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

**Instrument :** MSVOA_V
**ClientSampleId :** GAQD2

Tgt Ion:128 Resp: 12438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.0 | 8.7 | 13.1 |
| 127 | 14.3 | 10.6 | 16.0 |




#70
1,2,3-Trichlorobenzene
Concen: 0.144 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.01 min
Lab File: VV013404.D
Acq: 29 Oct 2019 19:29

Tgt Ion:180 Resp: 5139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 103.5 | 75.7 | 113.5 |
| 145 | 33.8 | 24.1 | 36.1 |