Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\

Quantitation Report (Not Reviewed)

Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DB6S0

Quant Time: Mar 28 01:29:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 373712 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 356860 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 154331 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 158729 | 52.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 105.56% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 131933 | 55.34 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 110.68% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 231535 | 40.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 81.16% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 301178 | 106.53 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 106.53% | | | |
| 24) Chloroform-d | 4.64 | 84 | 284232 | 54.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 109.70% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 194321 | 57.31 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 114.62% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 572093 | 55.90 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 111.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 204091 | 58.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 116.58% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 493385 | 53.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 107.36% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 90714 | 55.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 110.20% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 189216 | 99.72 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 99.72% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 271056 | 54.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 108.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 173969 | 56.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 112.52% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 2188 | 0.802 | ug/L # | 26 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 1560 | 0.583 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 19024 | 6.654 | ug/L | 99 |
| 29) Cyclohexane | 4.99 | 56 | 4379 | 0.811 | ug/L # | 81 |
| 35) Methylcyclohexane | 6.41 | 83 | 6045 | 1.230 | ug/L # | 75 |
| 42) Toluene | 7.64 | 91 | 56401 | 4.474 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 3530 | 0.810 | ug/L # | 70 |
| 48) 2-Hexanone | 8.37 | 43 | 8909 | 1.877 | ug/L # | 74 |
| 52) Ethylbenzene | 9.25 | 91 | 44823 | 3.282 | ug/L | 98 |
| 53) m,p-Xylene | 9.38 | 106 | 30190 | 6.122 | ug/L | 98 |
| 54) o-xylene | 9.78 | 106 | 7219 | 1.500 | ug/L | 99 |
| 56) Isopropylbenzene | 10.17 | 105 | 9854 | 0.773 | ug/L # | 93 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 21328 | 5.083 | ug/L | 94 |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 1526 | 0.465 | ug/L # | 80 |
| 69) Naphthalene | 13.75 | 128 | 12160 | 1.042 | ug/L | 98 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\

Quantitation Report (Not Reviewed)

Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DB6S0

Quant Time: Mar 28 01:29:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

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

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

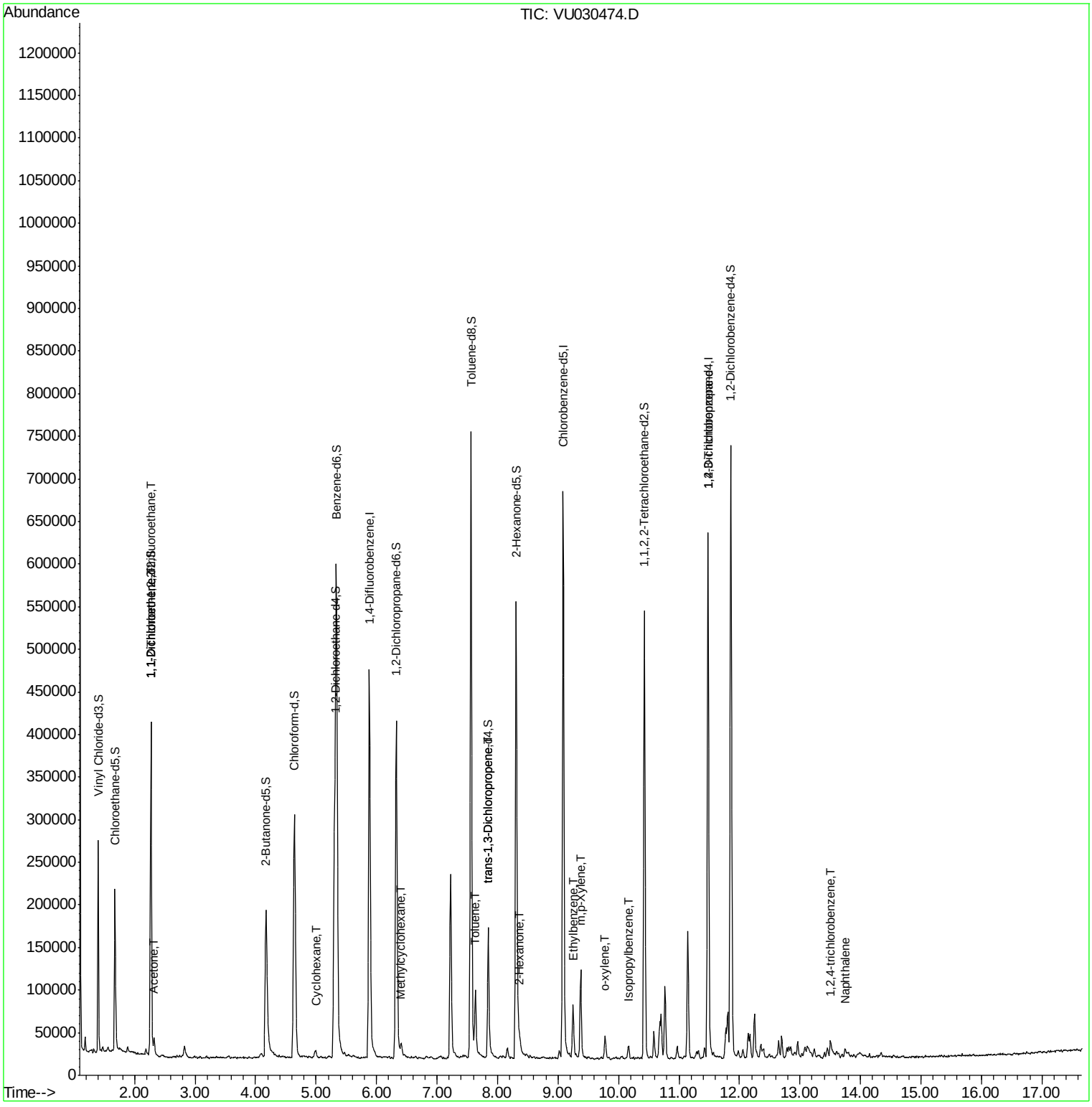
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032719\

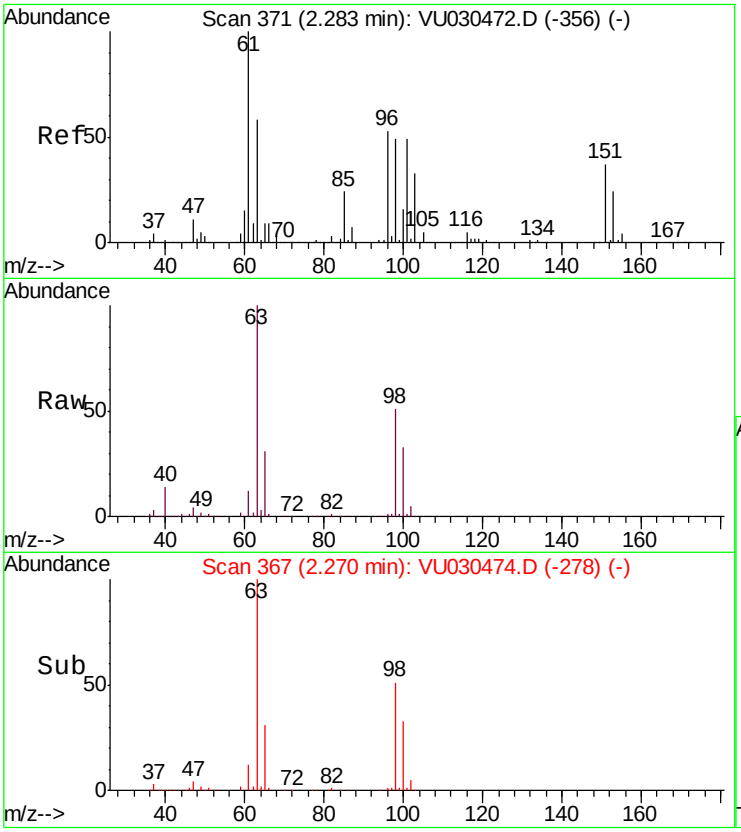
Quantitation Report (Not Reviewed)

Data File : VU030474.D
Acq On : 27 Mar 2019 11:34
Operator : JC/SP
Sample : K2063-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** DB6S0

Quant Time: Mar 28 01:29:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration



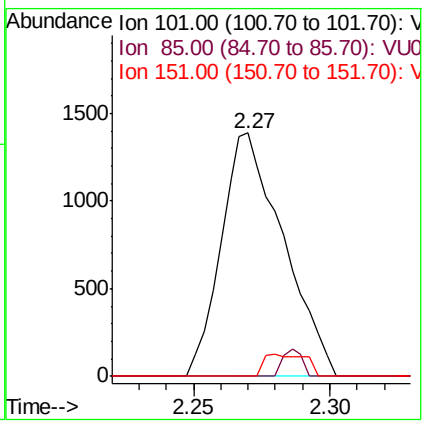


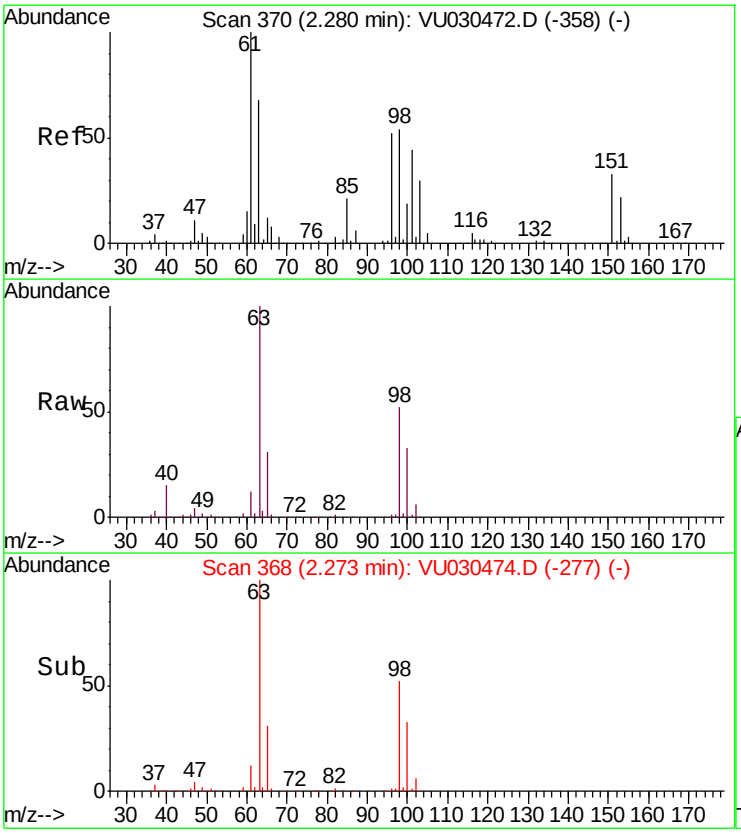

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.802 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :** MSVOA_U
**ClientSampleId :** DB6S0

Tgt Ion:101 Resp: 2188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 3.5 | 34.8 | 52.2# |
| 151 | 4.1 | 56.6 | 85.0# |

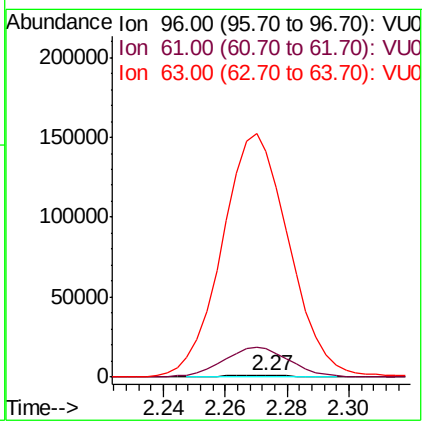


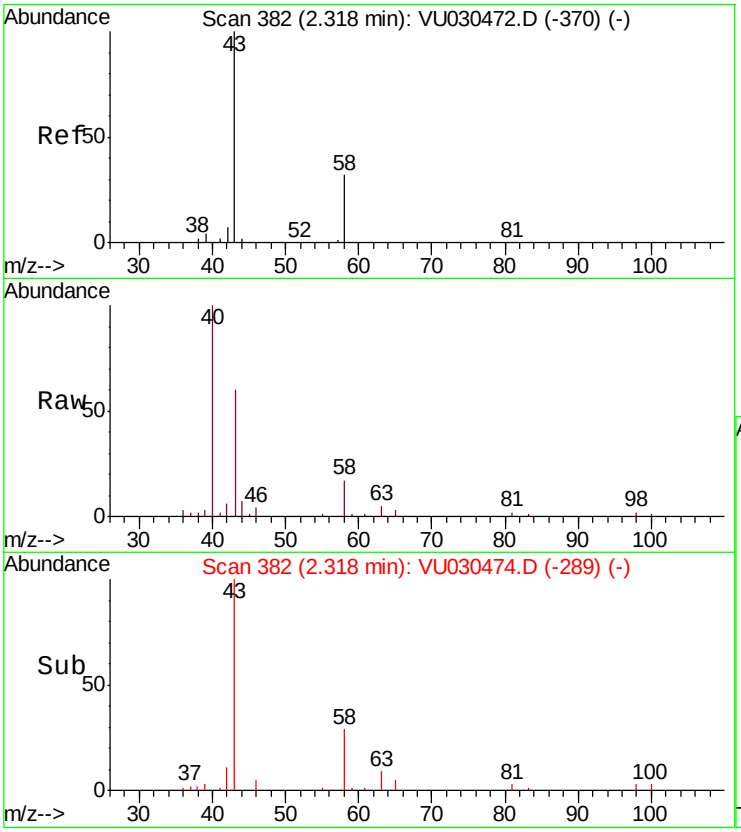




#12
1,1-Dichloroethene
Concen: 0.583 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion: 96 Resp: 1560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1738.3 | 131.0 | 243.4# |
| 63 | 13970.0 | 92.4 | 171.6# |



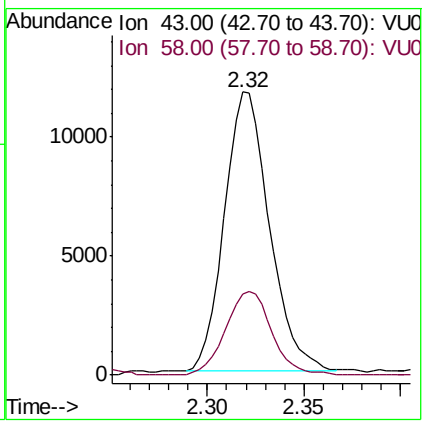


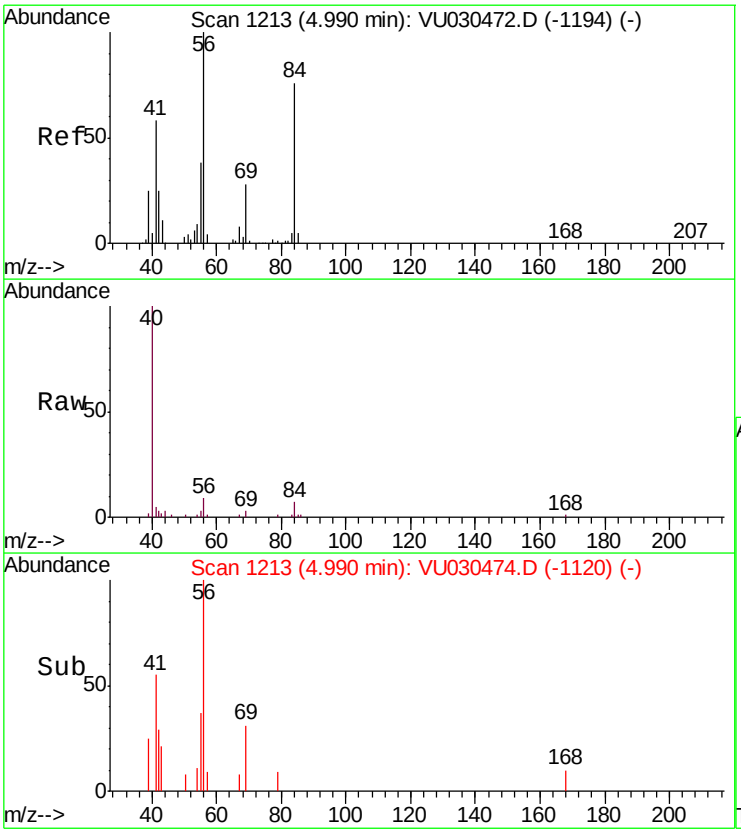

#13
Acetone
Concen: 6.654 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6S0

Tgt Ion: 43 Resp: 19024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.8 | 0.0 | 62.8 |

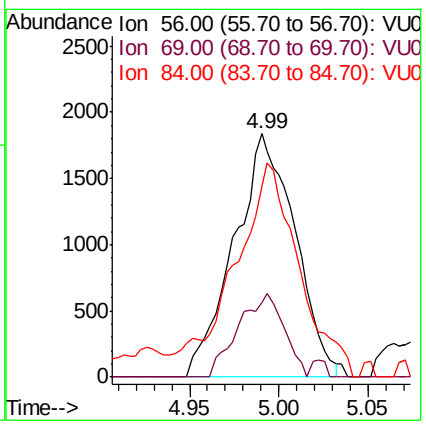


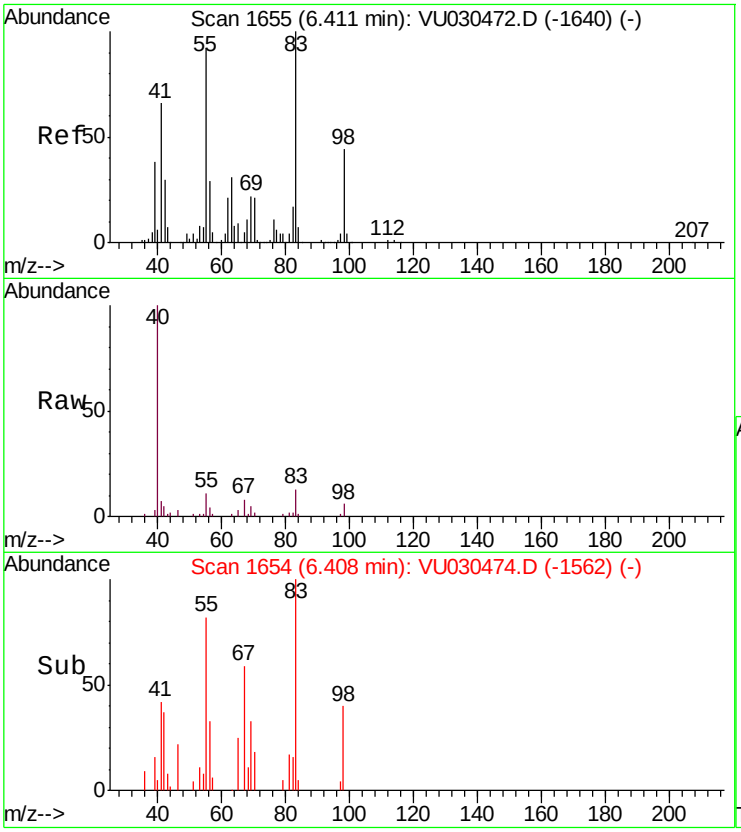




#29
Cyclohexane
Concen: 0.811 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion: 56 Resp: 4379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 13.9 | 22.9 | 34.3# |
| 84 | 87.2 | 58.9 | 88.3 |



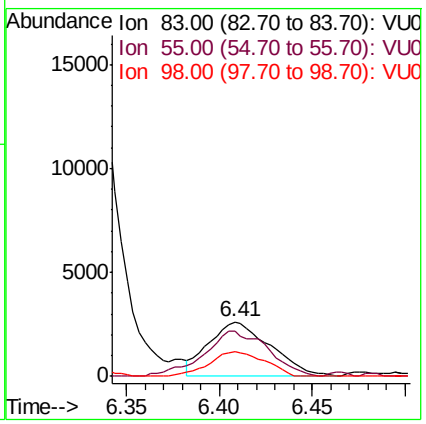


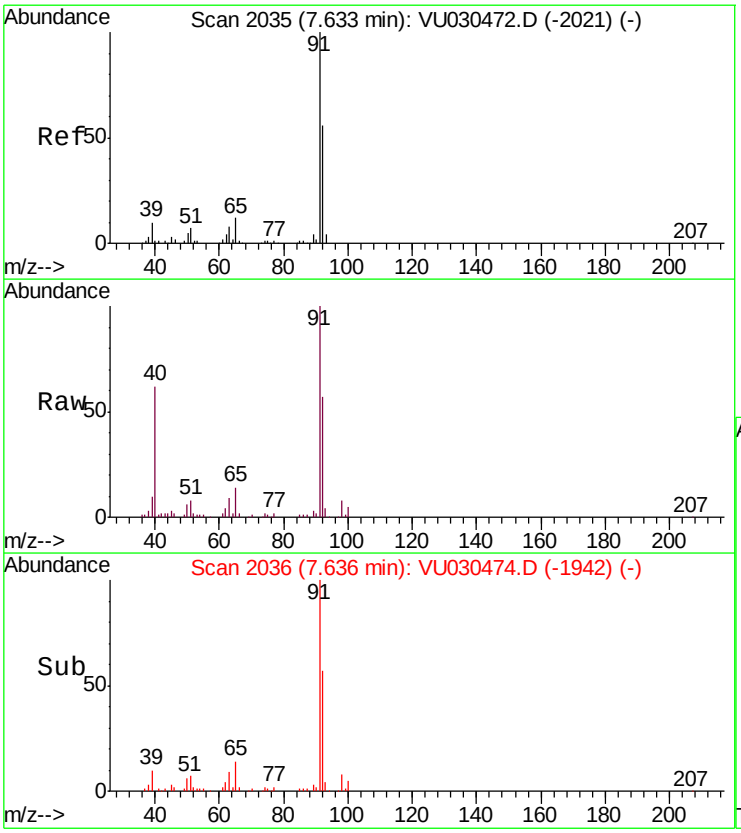

#35
Methylcyclohexane
Concen: 1.230 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :** MSVOA_U
**ClientSampleId :** DB6S0

Tgt Ion: 83 Resp: 6045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 56.8 | 71.4 | 107.0# |
| 98 | 40.7 | 36.0 | 54.0 |

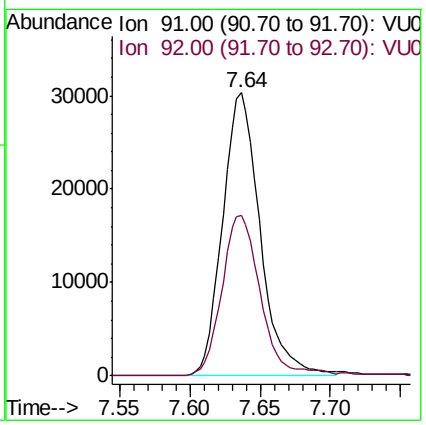


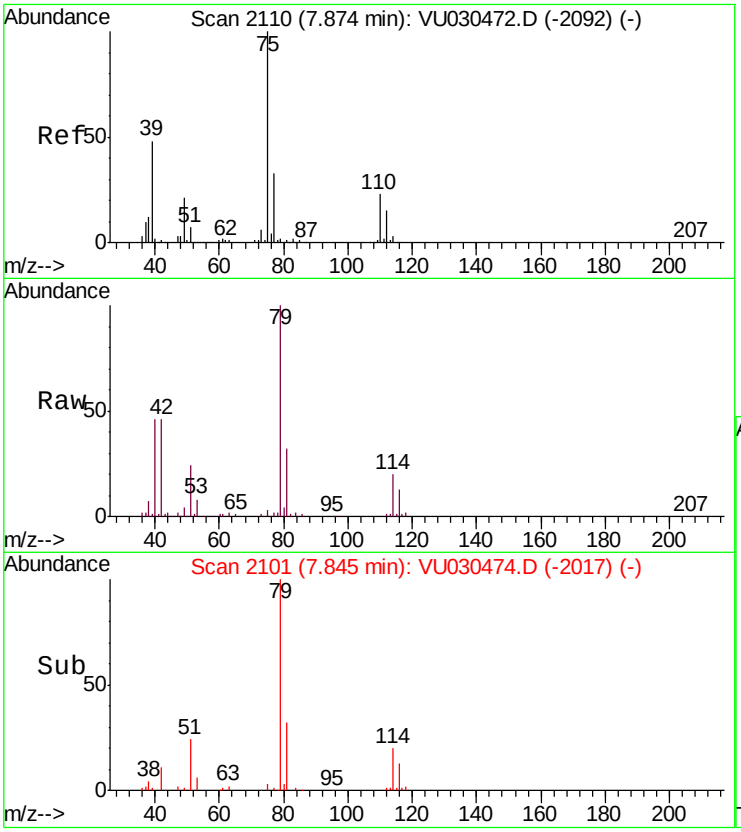




#42
Toluene
Concen: 4.474 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion: 91 Resp: 56401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.6 | 39.7 | 73.7 |



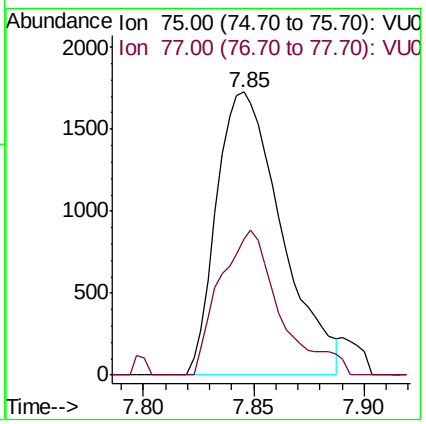


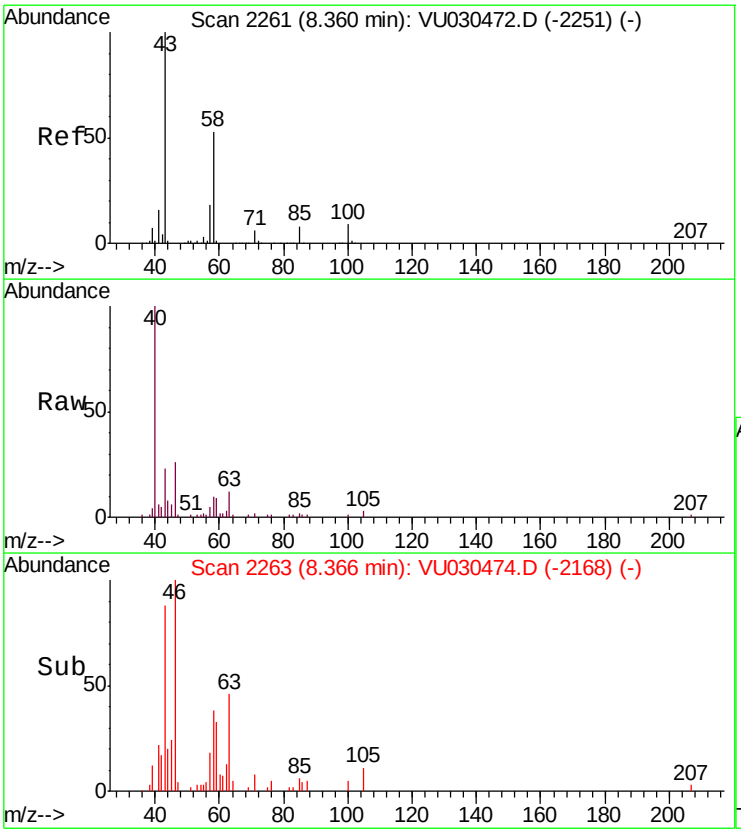

#44
trans-1,3-Dichloropropene
Concen: 0.810 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6S0

Tgt Ion: 75 Resp: 3530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 48.2 | 22.0 | 40.8# |

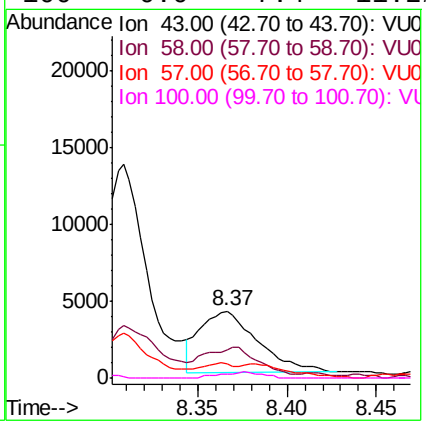


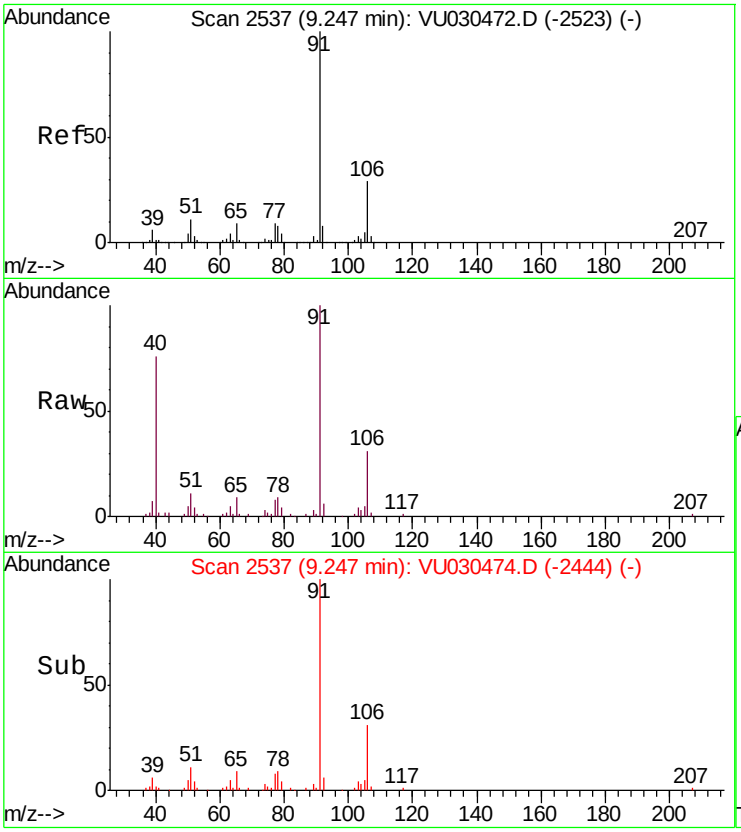




#48
2-Hexanone
Concen: 1.877 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion: 43 Resp: 8909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.1 | 42.5 | 63.7# |
| 57 | 14.4 | 15.0 | 22.6# |
| 100 | 0.0 | 7.4 | 11.2# |



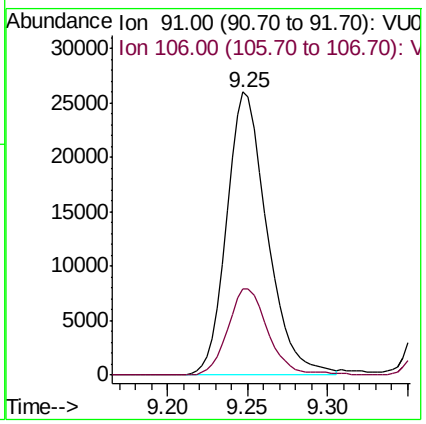


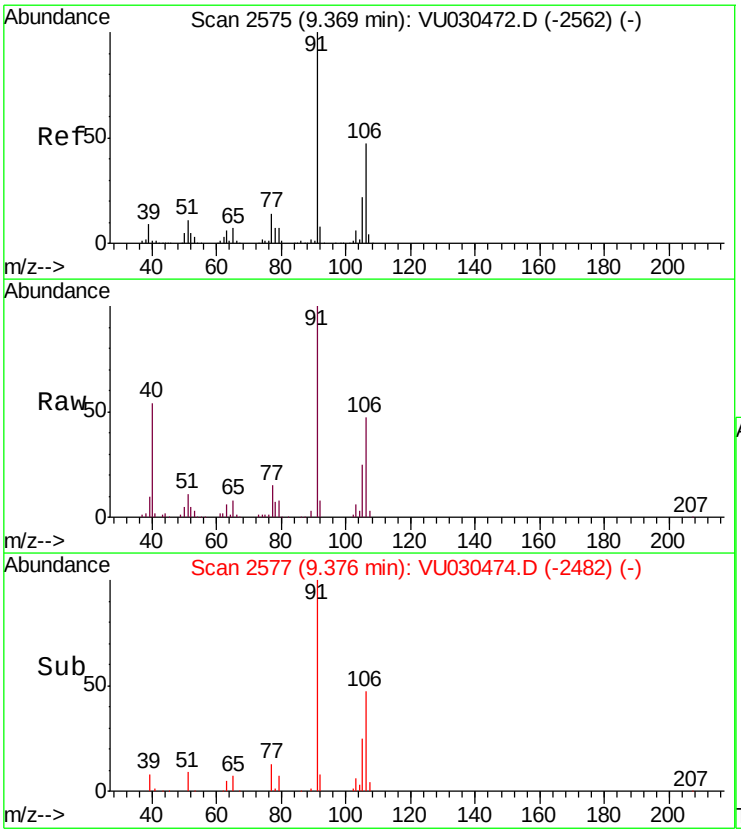

#52
Ethylbenzene
Concen: 3.282 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6S0

Tgt Ion: 91 Resp: 44823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 20.6 | 38.2 |

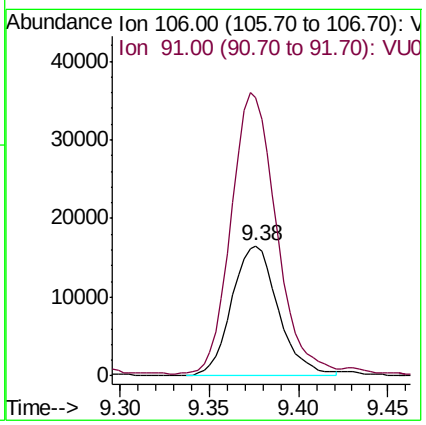


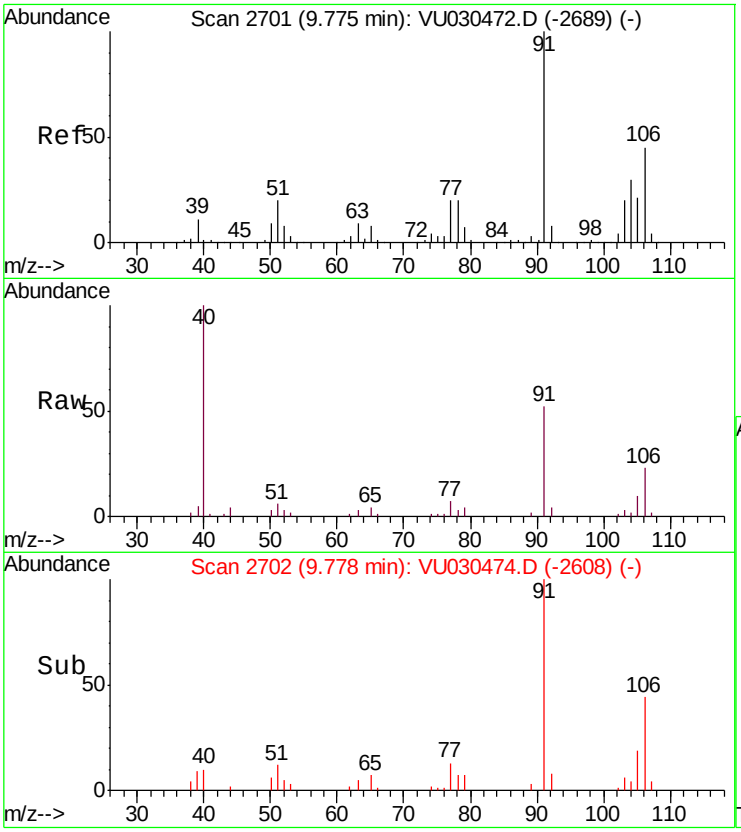




#53
m,p-Xylene
Concen: 6.122 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion:106 Resp: 30190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.9 | 151.2 | 280.8 |



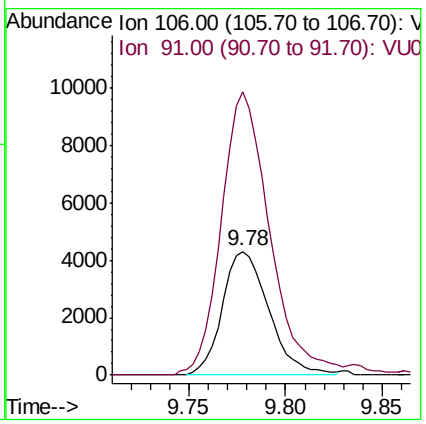


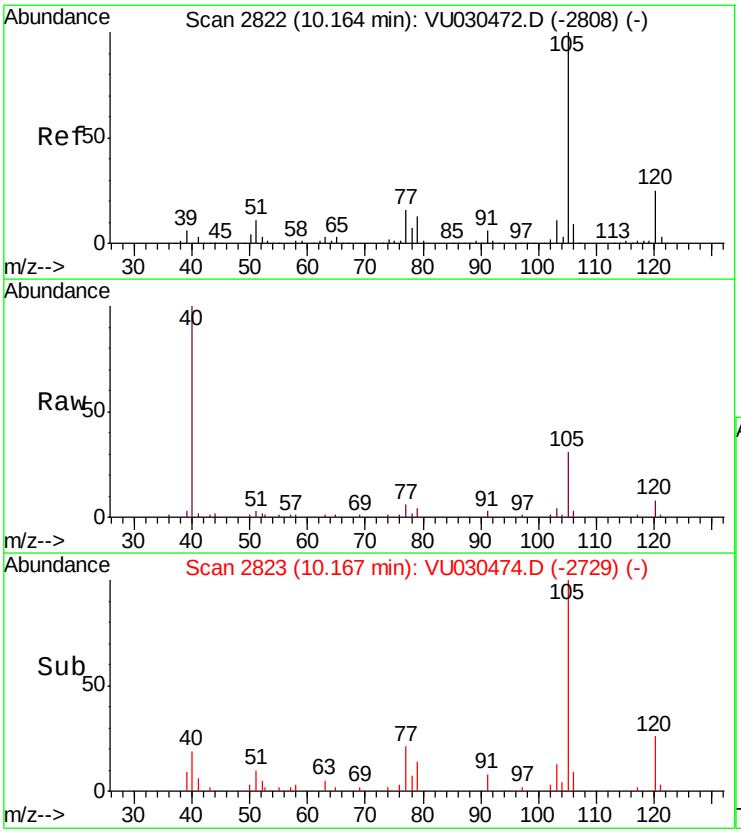

#54
o-xylene
Concen: 1.500 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6S0

Tgt Ion:106 Resp: 7219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.3 | 159.6 | 296.4 |

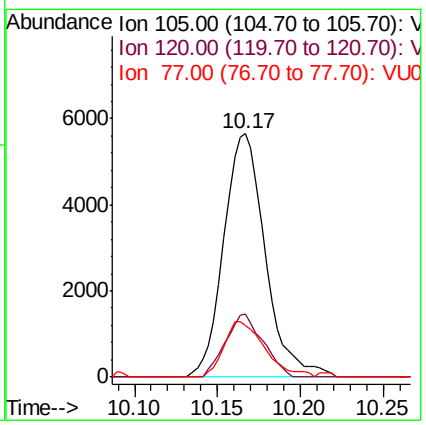


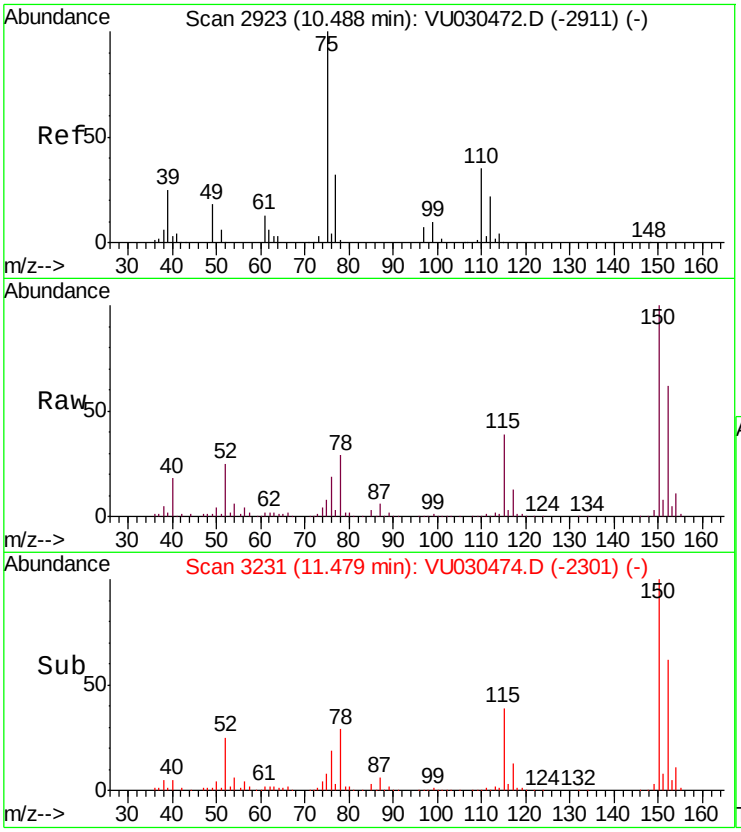




#56
Isopropylbenzene
Concen: 0.773 ug/L
RT: 10.17 min Scan# 2823
Delta R.T. 0.00 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion:105 Resp: 9854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.3 | 20.2 | 30.2 |
| 77 | 21.6 | 13.2 | 19.8# |



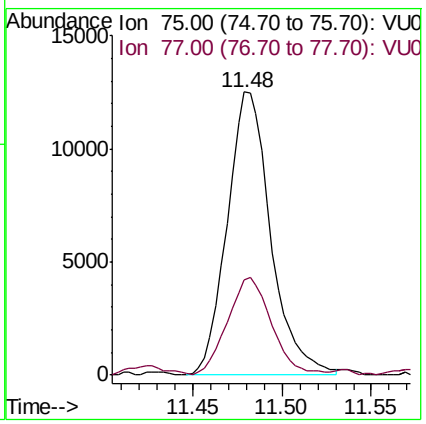


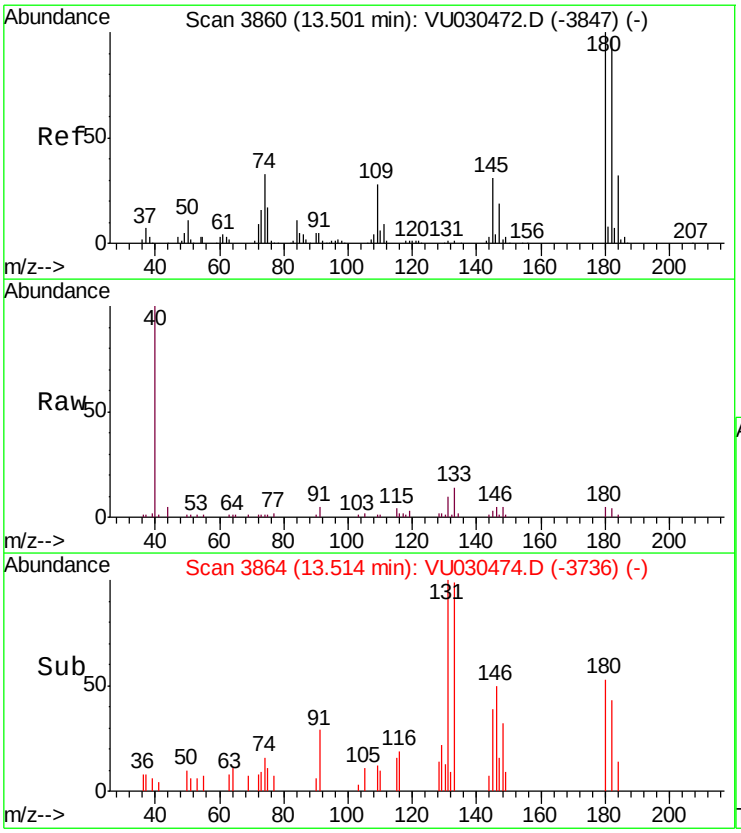

#59
1,2,3-Trichloropropane
Concen: 5.083 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6S0

Tgt Ion: 75 Resp: 21328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.1 | 25.4 | 38.2 |

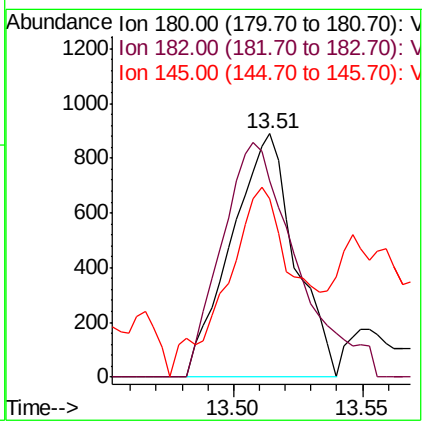


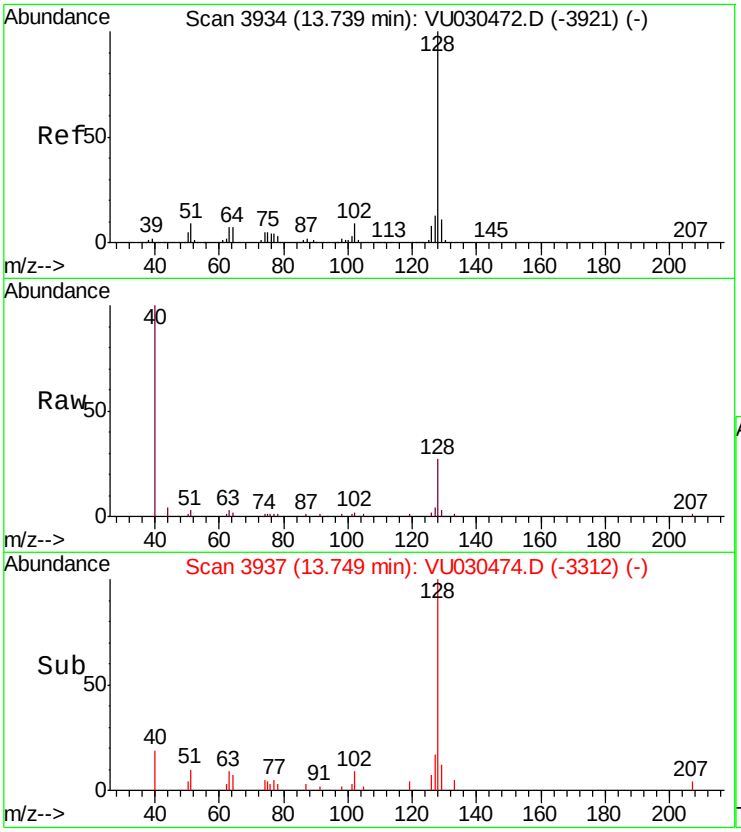




#68
1,2,4-trichlorobenzene
Concen: 0.465 ug/L
RT: 13.51 min Scan# 3864
Delta R.T. 0.01 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

Tgt Ion:180 Resp: 1526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 110.7 | 76.1 | 114.1 |
| 145 | 48.5 | 24.5 | 36.7# |






#69
Naphthalene
Concen: 1.042 ug/L
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU030474.D
Acq: 27 Mar 2019 11:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
DB6S0

Tgt Ion:128 Resp: 12160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.3 | 10.4 | 15.6 |
| 129 | 11.0 | 8.4 | 12.6 |