Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083118\

Quantitation Report (Not Reviewed)

Data File : VU026489.D
Acq On : 31 Aug 2018 10:56
Operator : MD/SY
Sample : J4649-04
Misc : 5.33g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAB89

Quant Time: Sep 01 01:02:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 216012 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 199739 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 88749 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 63695 | 47.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 95.18% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 59918 | 49.57 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 99.14% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 105283 | 34.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 69.86% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 102355 | 98.54 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 98.54% | | | |
| 24) Chloroform-d | 4.65 | 84 | 113428 | 44.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.74% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 88177 | 52.40 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.80% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 258572 | 56.17 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 112.34% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 88215 | 55.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 111.56% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 240613 | 54.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 108.28% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 39777 | 55.08 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 110.16% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 81947 | 112.98 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 112.98% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 123190 | 52.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 105.74% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 95535 | 59.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 118.66% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.32 | 43 | 1143 | 1.271 | ug/L | 62 |
| 25) Chloroform | 4.67 | 83 | 17341 | 6.196 | ug/L | 94 |
| 35) Methylcyclohexane | 6.33 | 83 | 20110 | 8.967 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 9466 | 5.971 | ug/L # | 88 |
| 48) 2-Hexanone | 8.31 | 43 | 9941 | 5.904 | ug/L # | 67 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 10598 | 5.358 | ug/L | 89 |

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

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Quantitation Report (Not Reviewed)

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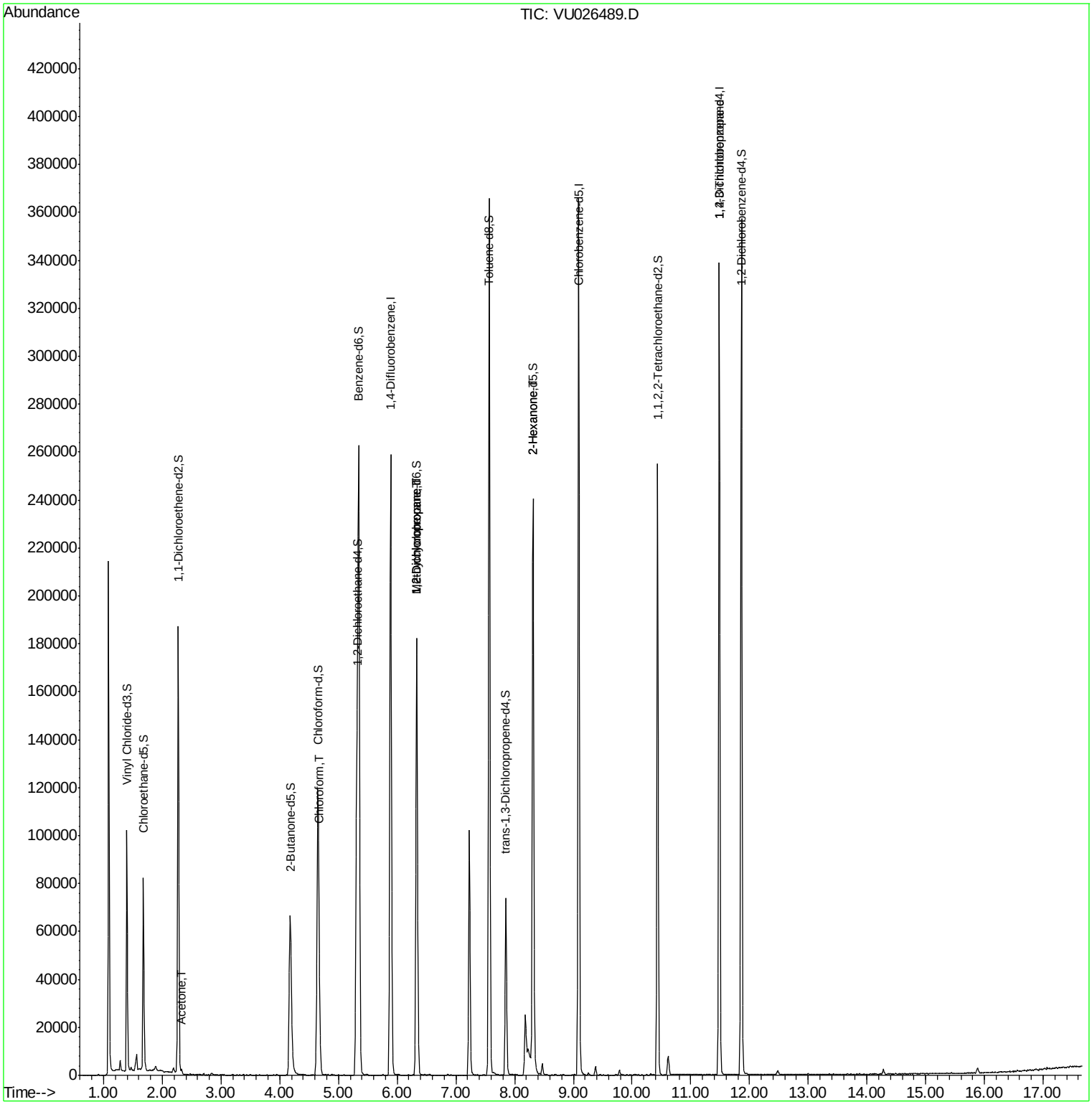
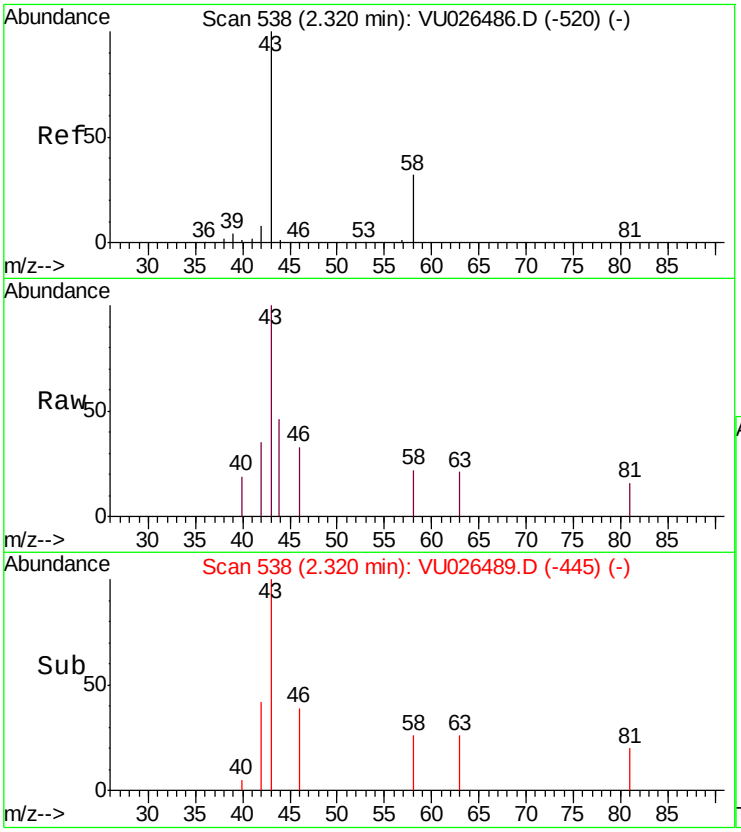
Operator : MD/SY
Sample : J4649-04
Misc : 5.33g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** GAB89

Quant Time: Sep 01 01:02:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration



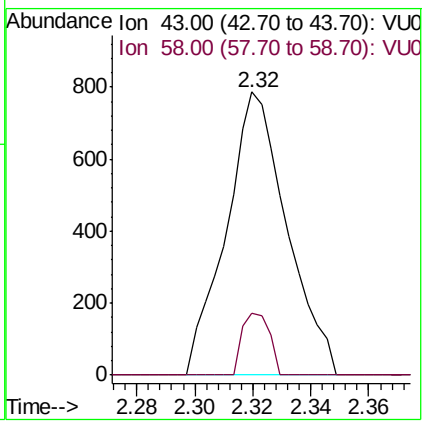


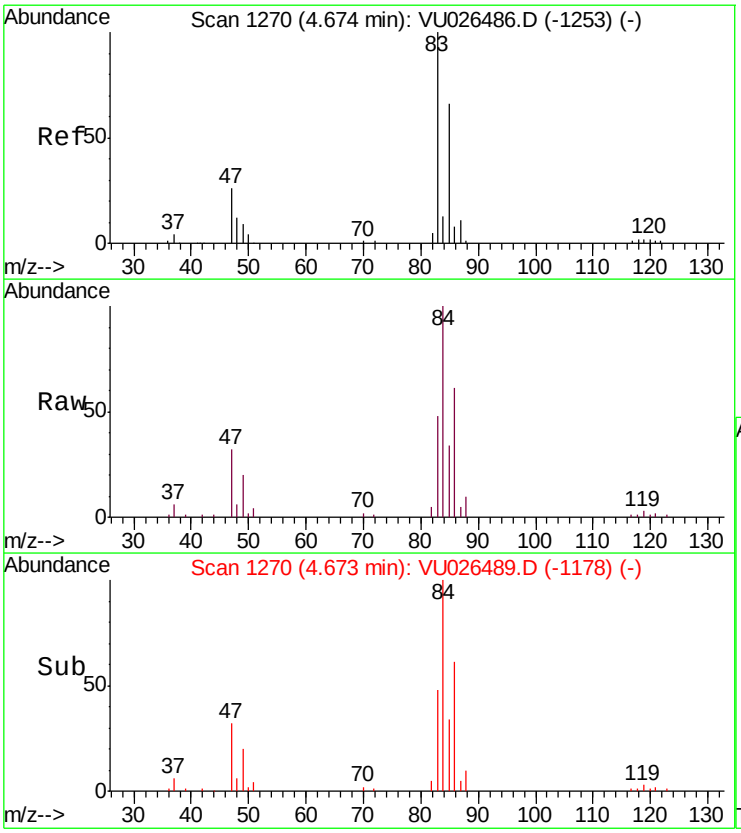

#13
Acetone
Concen: 1.271 ug/L
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU026489.D
Acq: 31 Aug 2018 10:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAB89

Tgt Ion: 43 Resp: 1143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.9 | 0.0 | 61.2 |

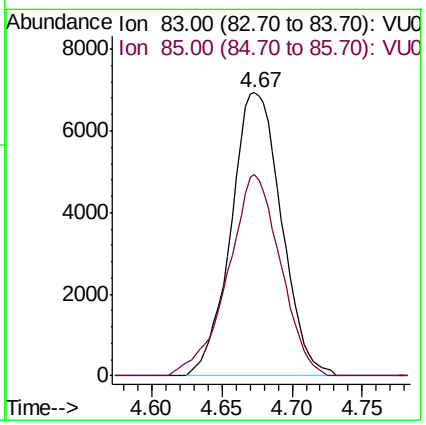


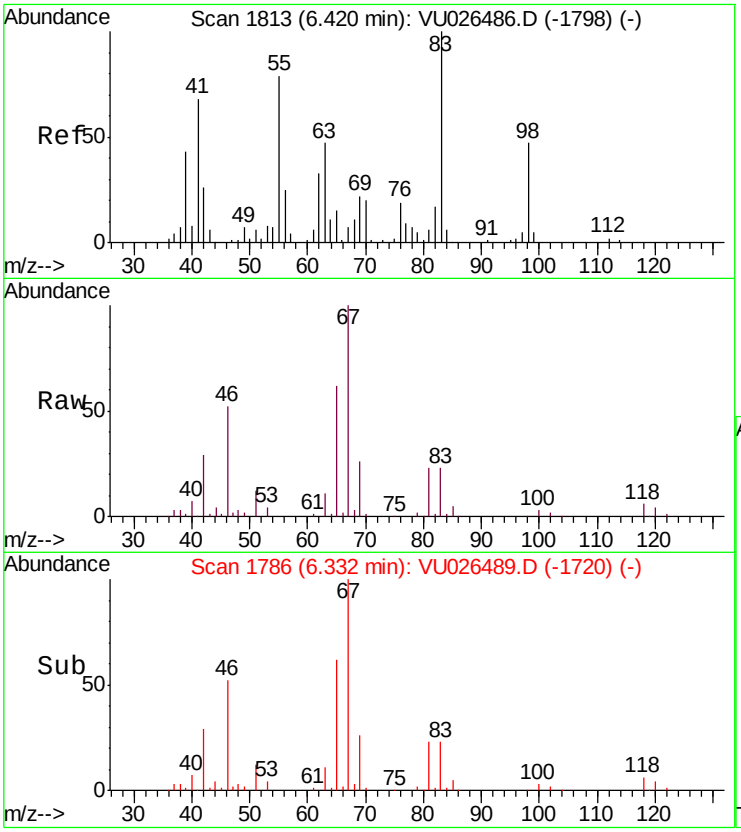




#25
Chloroform
Concen: 6.196 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026489.D
Acq: 31 Aug 2018 10:56

Tgt Ion: 83 Resp: 17341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 71.4 | 46.5 | 86.5 |



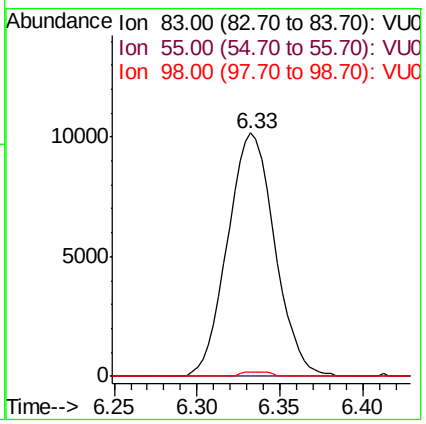


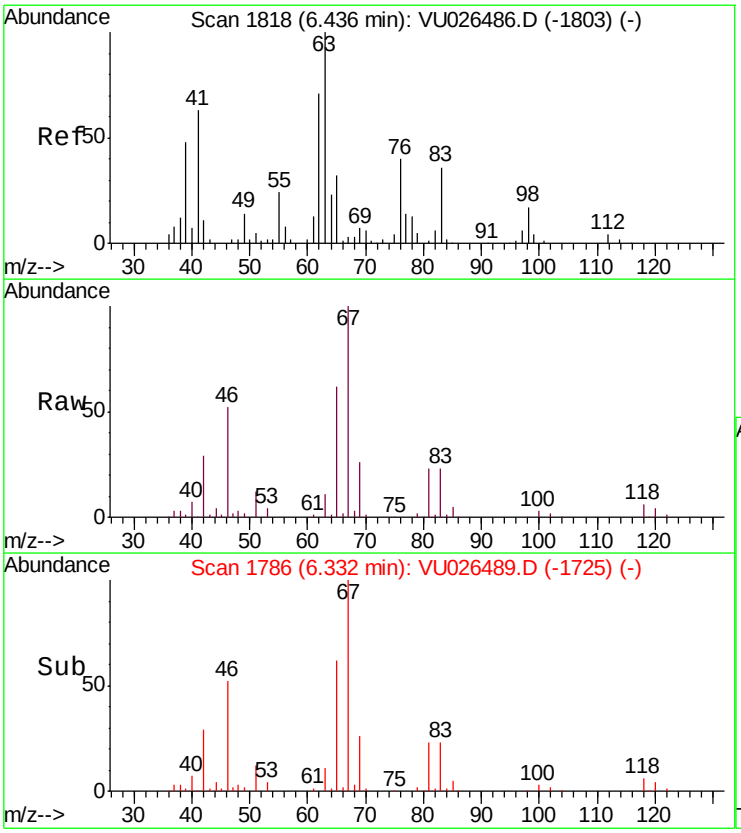

#35
Methylcyclohexane
Concen: 8.967 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.09 min
Lab File: VU026489.D
Acq: 31 Aug 2018 10:56

**Instrument :**
MSVOA_U
**ClientSampleId :**
GAB89

Tgt Ion: 83 Resp: 20110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 63.3 | 94.9# |
| 98 | 1.1 | 36.7 | 55.1# |

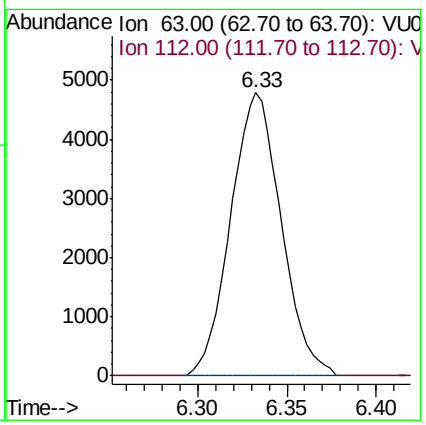


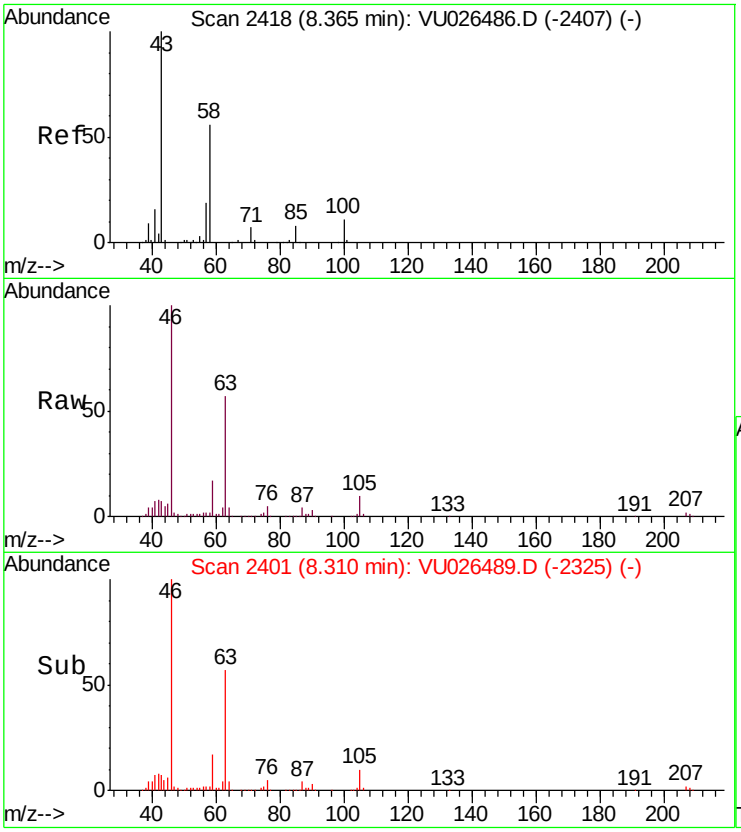




#37
1,2-Dichloropropane
Concen: 5.971 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.10 min
Lab File: VU026489.D
Acq: 31 Aug 2018 10:56

Tgt Ion: 63 Resp: 9466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.0 | 4.6# |



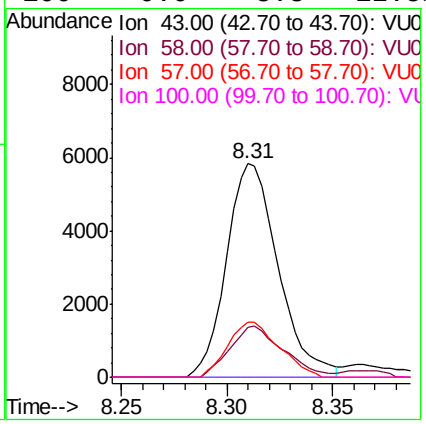


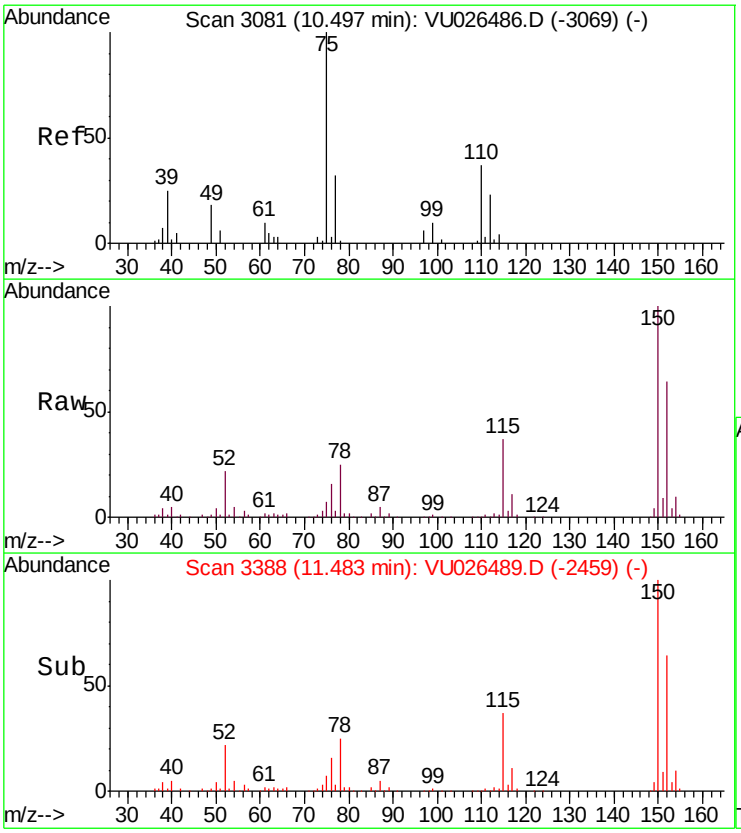

#48
2-Hexanone
Concen: 5.904 ug/L
RT: 8.31 min Scan# 2401
Delta R.T. -0.05 min
Lab File: VU026489.D
Acq: 31 Aug 2018 10:56

**Instrument :** MSVOA_U
**ClientSampleId :** GAB89

Tgt Ion: 43 Resp: 9941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.5 | 42.2 | 63.4# |
| 57 | 25.5 | 14.6 | 21.8# |
| 100 | 0.0 | 8.3 | 12.5# |




#59
1,2,3-Trichloropropane
Concen: 5.358 ug/L
RT: 11.48 min Scan# 3388
Delta R.T. 0.99 min
Lab File: VU026489.D
Acq: 31 Aug 2018 10:56

Tgt Ion: 75 Resp: 10598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.5 | 25.0 | 37.6 |