Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\

Quantitation Report (Not Reviewed)

Data File : VU026949.D
Acq On : 20 Sep 2018 21:34
Operator : MD/SY
Sample : J5012-06 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08L9

Quant Time: Sep 21 06:03:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 196261 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 170066 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 62932 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 80636 | 55.54 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 111.08% | | | |
| 7) Chloroethane-d5 | 1.66 | 69 | 71413 | 57.47 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 114.94% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 103143 | 37.55 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 75.10% | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 135459 | 140.60 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 140.60%# | | | |
| 24) Chloroform-d | 4.65 | 84 | 148313 | 55.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 110.14% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 99891 | 58.91 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 117.82% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 289879 | 60.82 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 121.64% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 99013 | 64.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 128.96%# | | | |
| 41) Toluene-d8 | 7.57 | 98 | 226060 | 52.50 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 40849 | 59.58 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 119.16% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 99520 | 164.89 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 164.89%# | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 143364 | 66.95 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 133.90%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 88777 | 67.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 135.62%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.26 | 101 | 903 | 0.666 | ug/L # | 18 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 807 | 0.634 | ug/L # | 1 |
| 13) Acetone | 2.33 | 43 | 810 | 0.855 | ug/L | 63 |
| 33) Benzene | 5.39 | 78 | 2826 | 0.536 | ug/L | 100 |
| 35) Methylcyclohexane | 6.33 | 83 | 23124 | 11.212 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 10077 | 6.957 | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 2233 | 1.091 | ug/L # | 55 |
| 40) 4-Methyl-2-pentanone | 7.57 | 43 | 836 | 0.486 | ug/L # | 1 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1574 | 0.822 | ug/L | 91 |
| 48) 2-Hexanone | 8.31 | 43 | 10786 | 7.770 | ug/L # | 69 |
| 51) Chlorobenzene | 9.12 | 112 | 8504 | 2.349 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 8563 | 4.936 | ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 6637 | 3.142 | ug/L | 94 |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 6921 | 3.258 | ug/L | 99 |
| 67) 1,3,5-Trichlorobenzene | 13.51 | 180 | 1108 | 0.746 | ug/L # | 80 |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 1108 | 0.866 | ug/L # | 80 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\

Quantitation Report (Not Reviewed)

Data File : VU026949.D
Acq On : 20 Sep 2018 21:34
Operator : MD/SY
Sample : J5012-06 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08L9

Quant Time: Sep 21 06:03:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

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

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

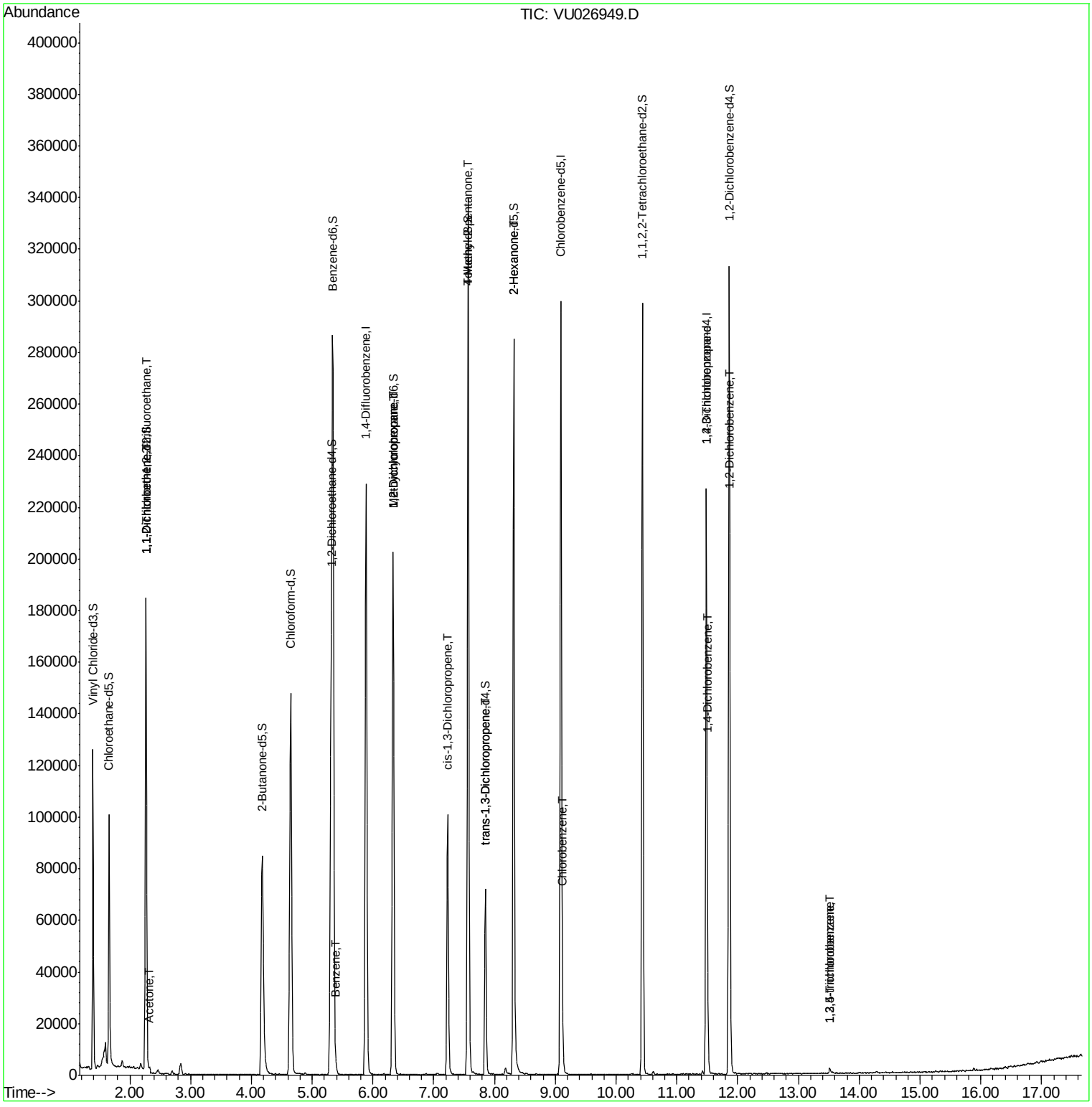
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\

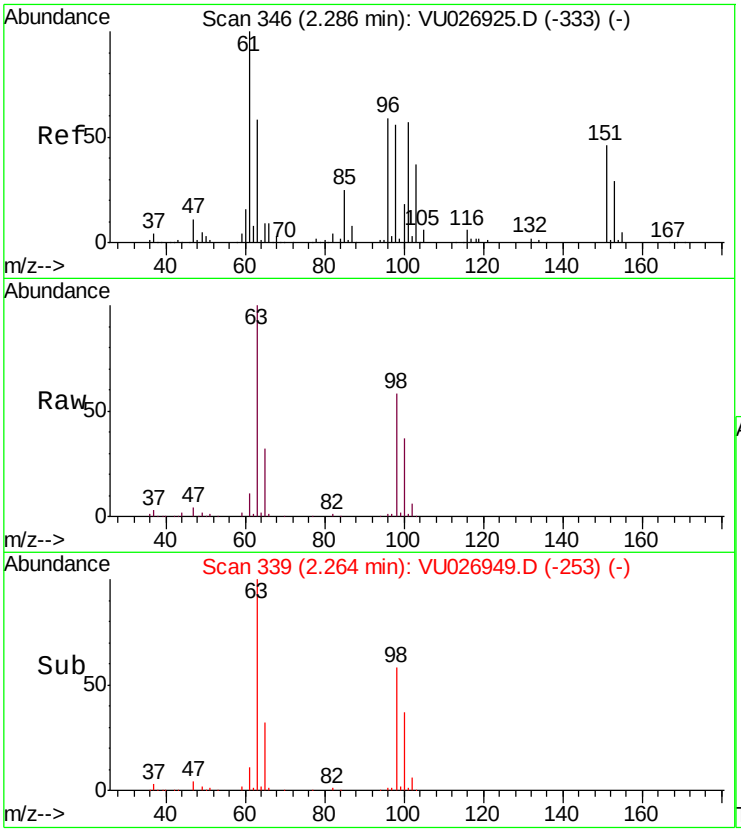
Quantitation Report (Not Reviewed)

Data File : VU026949.D
Acq On : 20 Sep 2018 21:34
Operator : MD/SY
Sample : J5012-06 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C08L9

Quant Time: Sep 21 06:03:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration



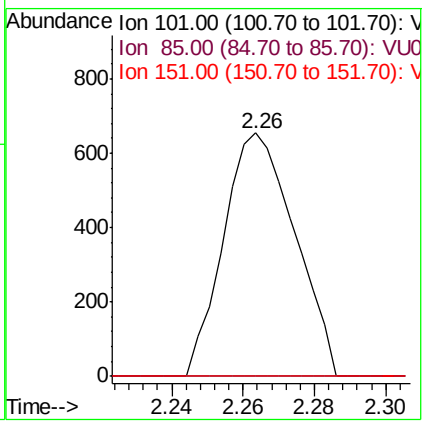


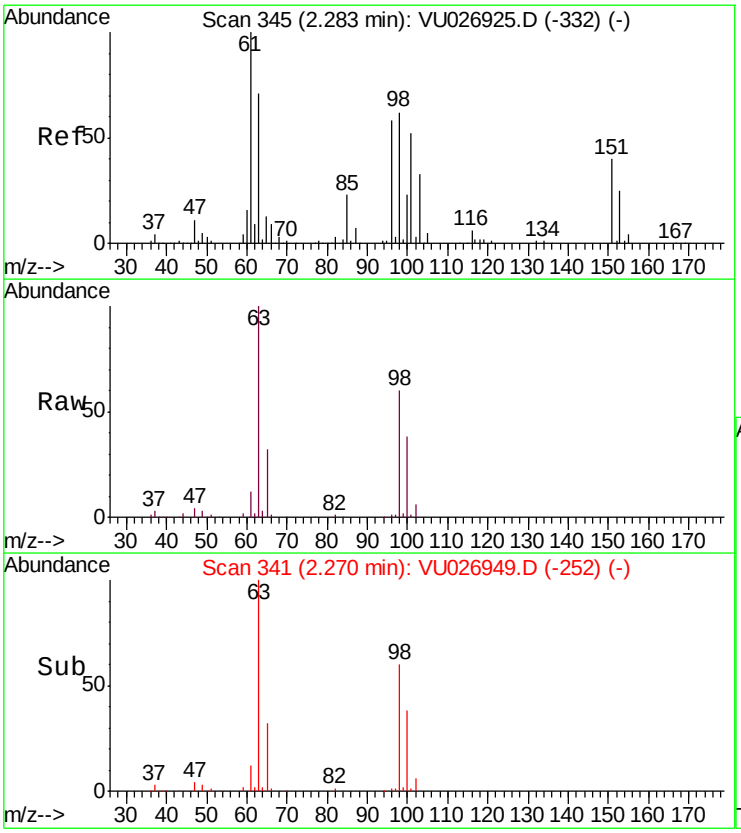

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.666 ug/L
RT: 2.26 min Scan# 339
Delta R.T. -0.02 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :** MSVOA_U
**ClientSampleId :** C08L9

Tgt Ion:101 Resp: 903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 34.6 | 52.0# |
| 151 | 0.0 | 63.0 | 94.4# |

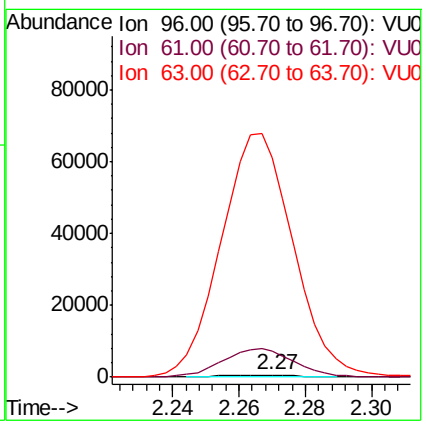


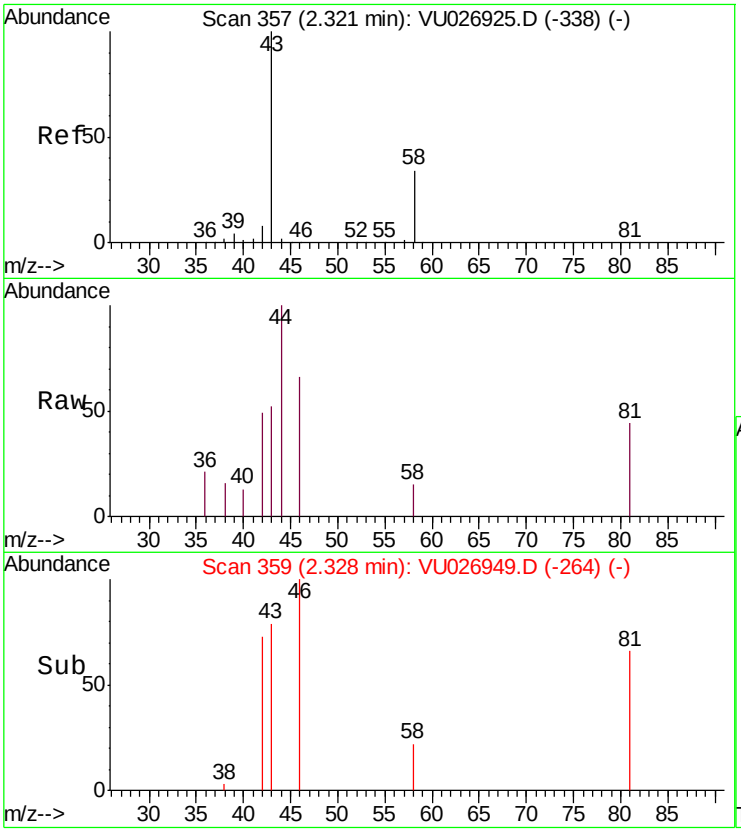




#12
1,1-Dichloroethene
Concen: 0.634 ug/L
RT: 2.27 min Scan# 341
Delta R.T. -0.01 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion: 96 Resp: 807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1519.7 | 124.0 | 230.4# |
| 63 | 12918.4 | 97.7 | 181.5# |



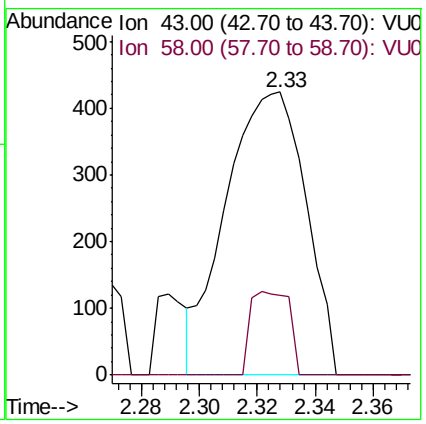


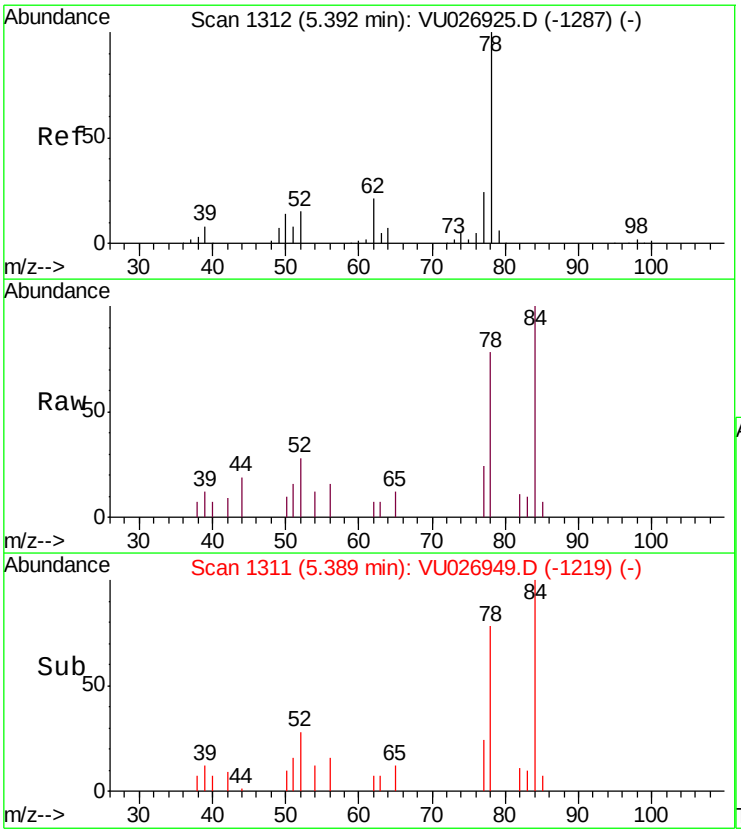

#13
Acetone
Concen: 0.855 ug/L
RT: 2.33 min Scan# 359
Delta R.T. 0.01 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :** MSVOA_U
**ClientSampleId :** C08L9

Tgt Ion: 43 Resp: 810

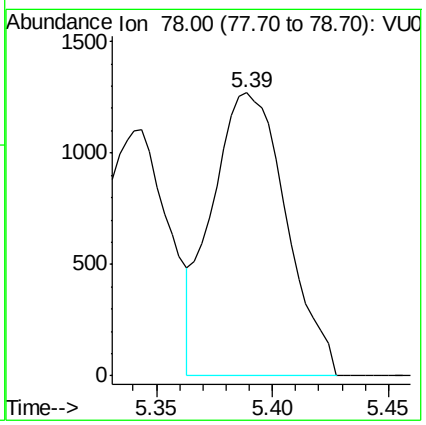
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.5 | 0.0 | 64.6 |

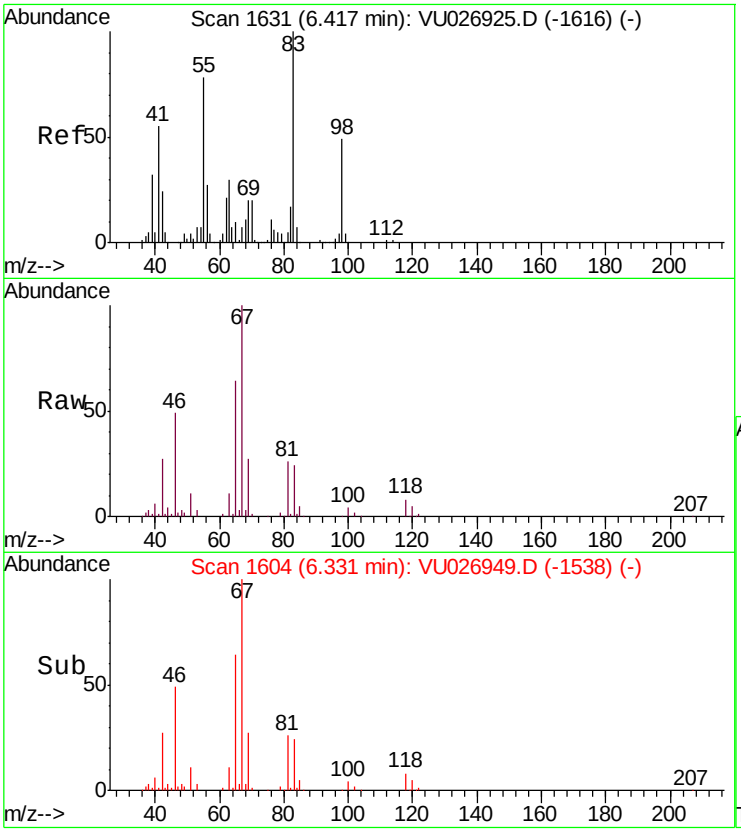



#33
Benzene
Concen: 0.536 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion: 78 Resp: 2826



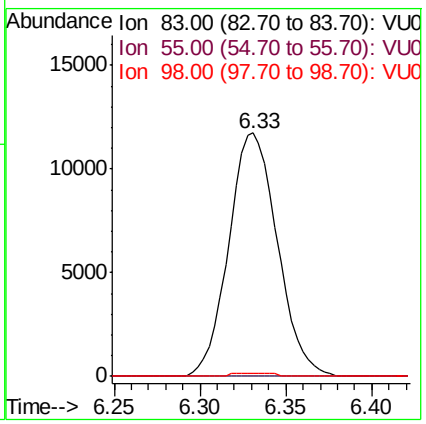


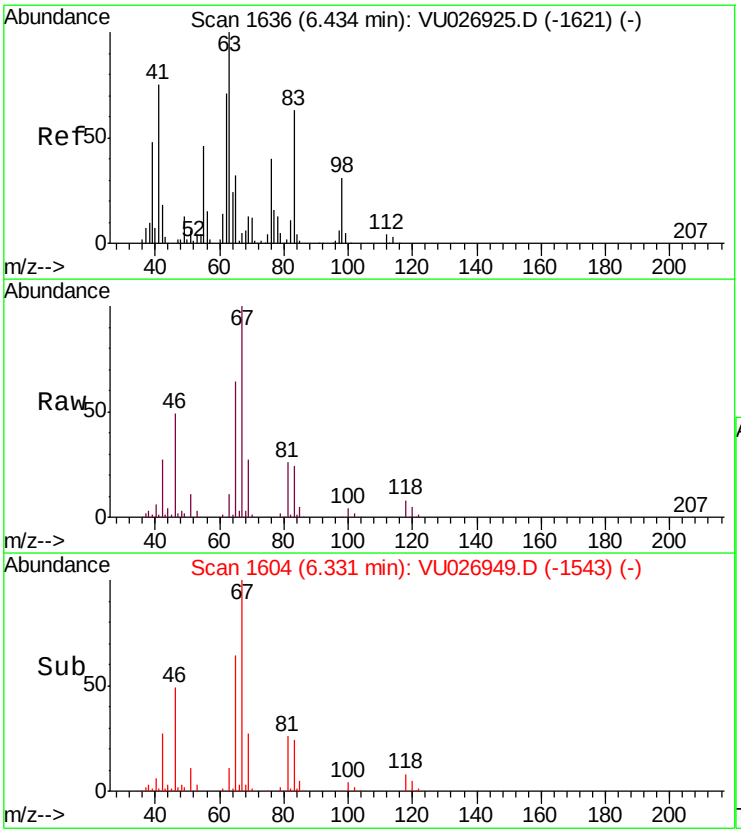

#35
Methylcyclohexane
Concen: 11.212 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08L9

Tgt Ion: 83 Resp: 23124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 61.7 | 92.5# |
| 98 | 0.5 | 38.3 | 57.5# |

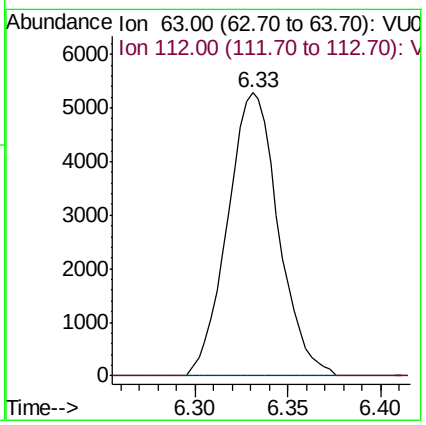


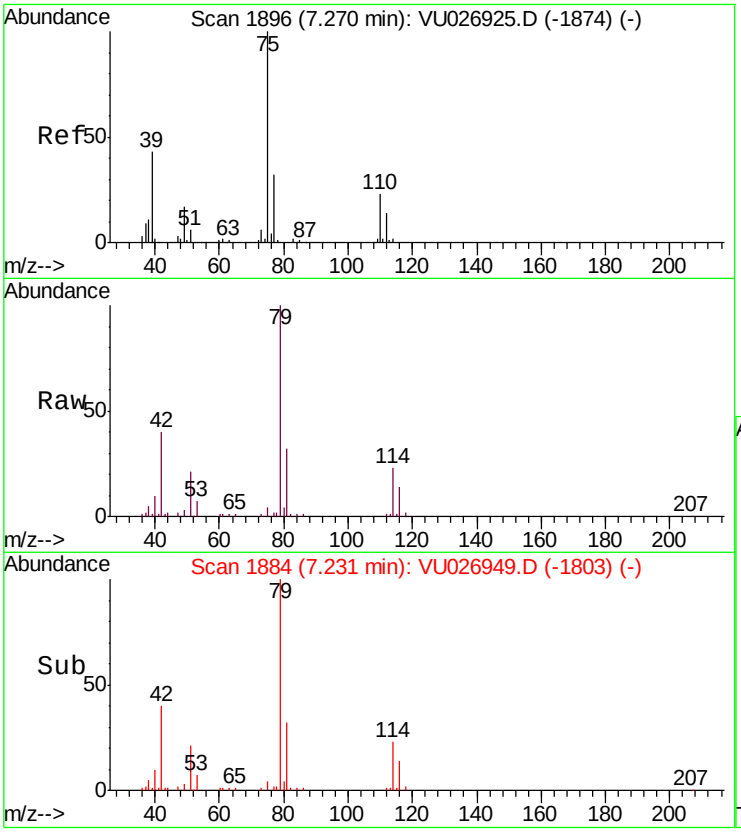




#37
1,2-Dichloropropane
Concen: 6.957 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion: 63 Resp: 10077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.7 | 5.5# |



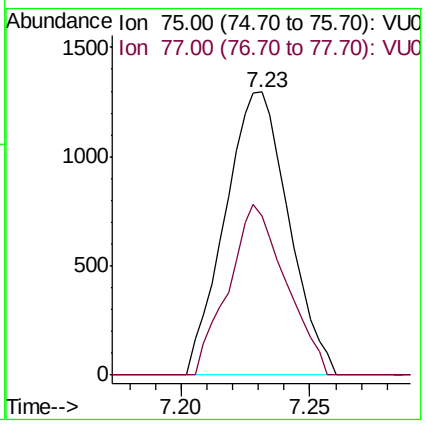


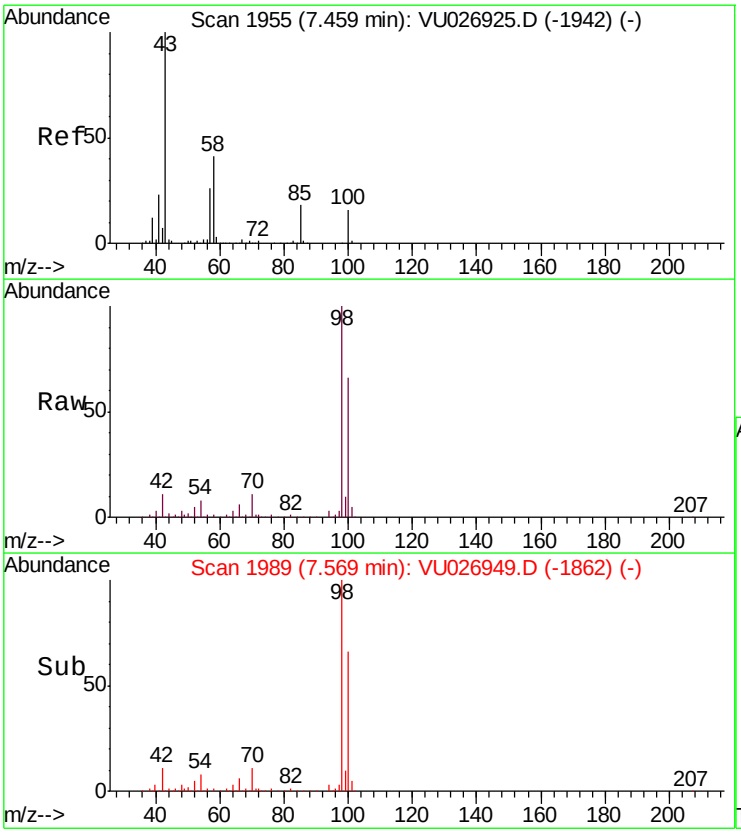

#39
cis-1,3-Dichloropropene
Concen: 1.091 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08L9

Tgt Ion: 75 Resp: 2233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 56.3 | 22.1 | 41.1# |

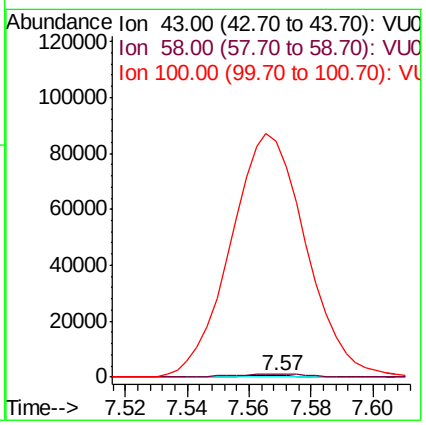


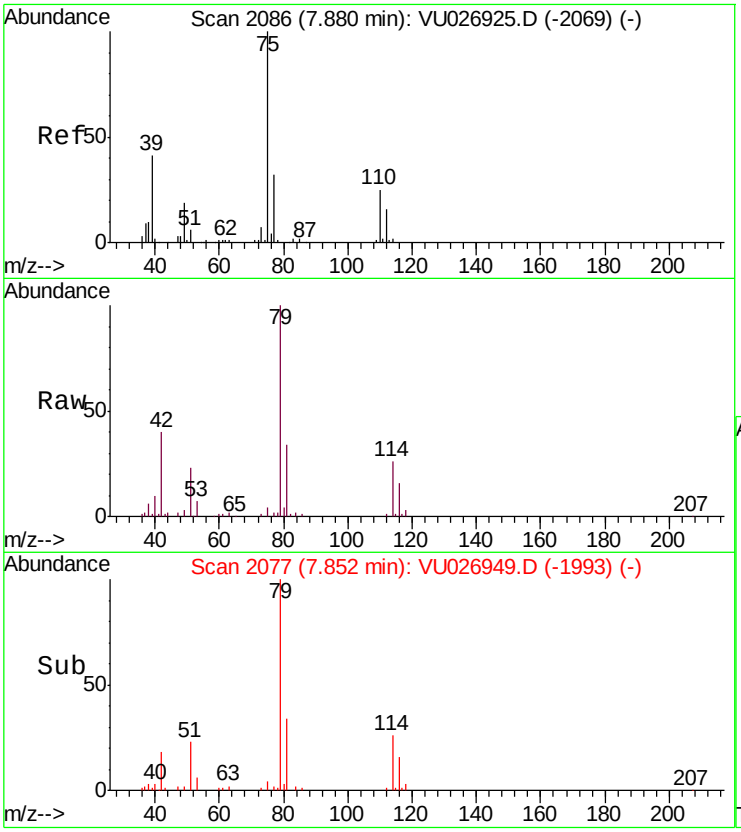




#40
4-Methyl-2-pentanone
Concen: 0.486 ug/L
RT: 7.57 min Scan# 1989
Delta R.T. 0.11 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion: 43 Resp: 836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 212.8 | 32.0 | 48.0# |
| 100 | 17833.3 | 12.6 | 19.0# |



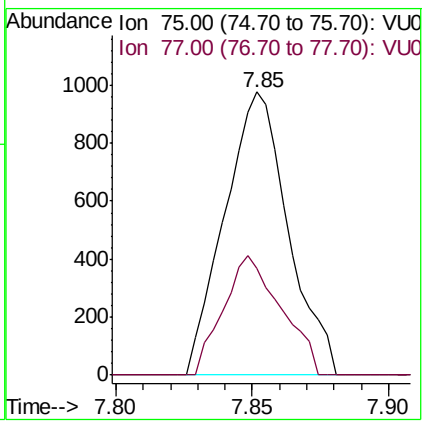


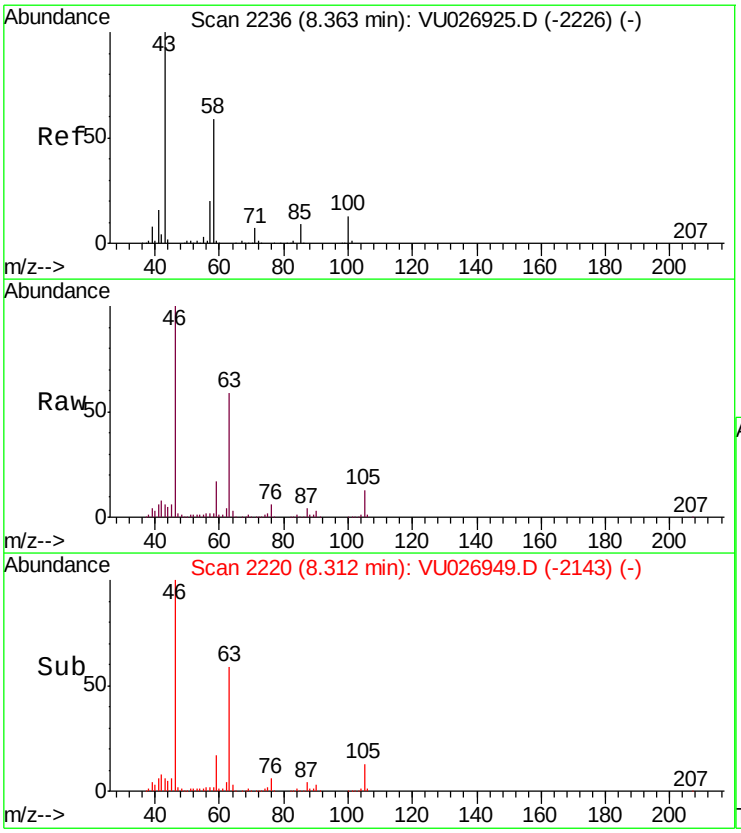

#44
trans-1,3-Dichloropropene
Concen: 0.822 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08L9

Tgt Ion: 75 Resp: 1574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.8 | 22.8 | 42.4 |

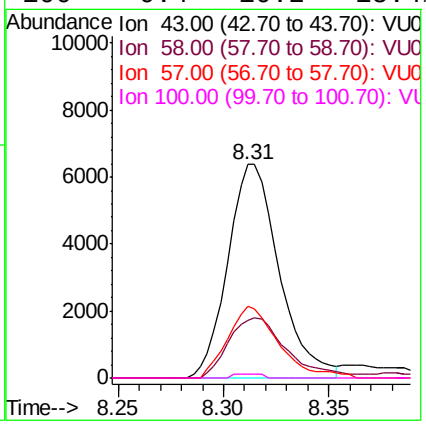


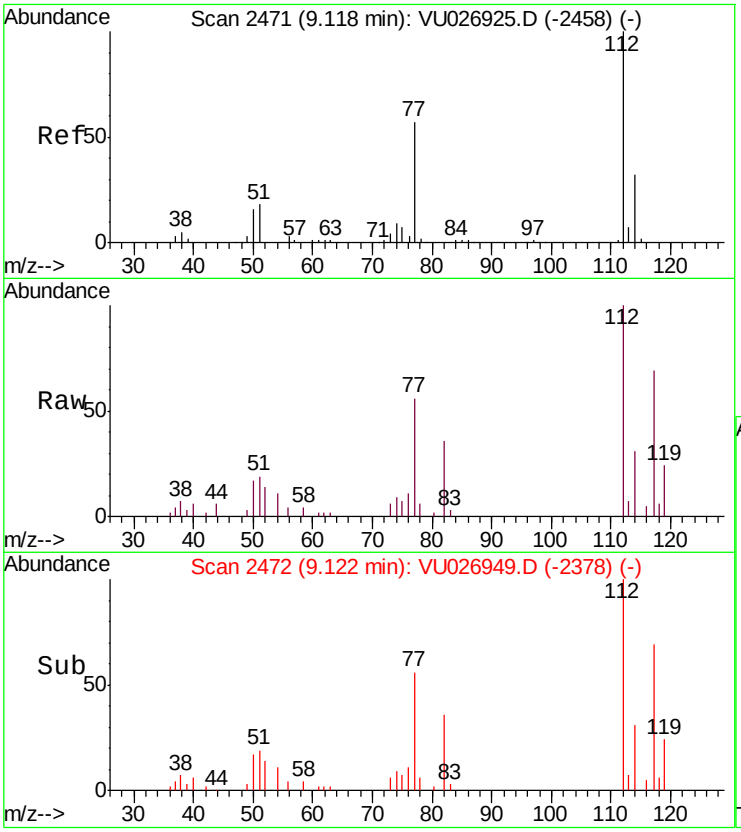




#48
2-Hexanone
Concen: 7.770 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion: 43 Resp: 10786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 44.9 | 67.3# |
| 57 | 31.9 | 15.4 | 23.2# |
| 100 | 0.4 | 10.2 | 15.4# |



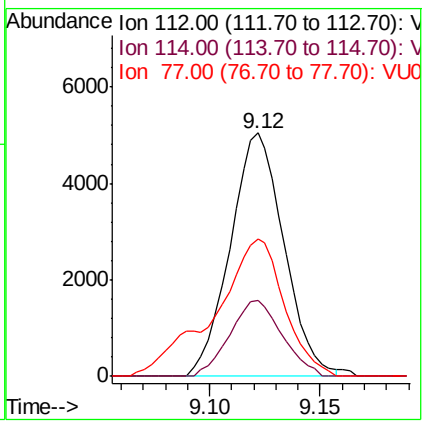


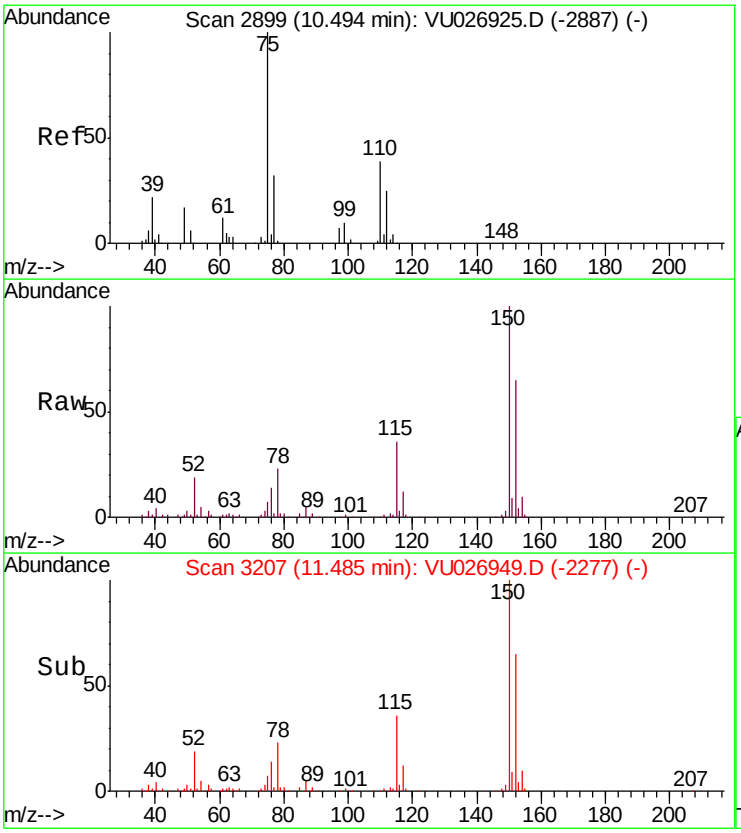

#51
Chlorobenzene
Concen: 2.349 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :** MSVOA_U
**ClientSampleId :** C08L9

Tgt Ion:112 Resp: 8504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.1 | 22.3 | 41.5 |
| 77 | 56.3 | 45.1 | 67.7 |

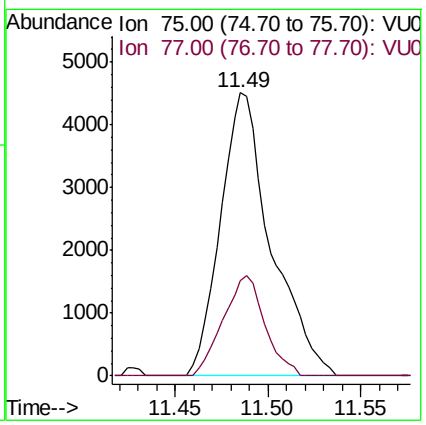


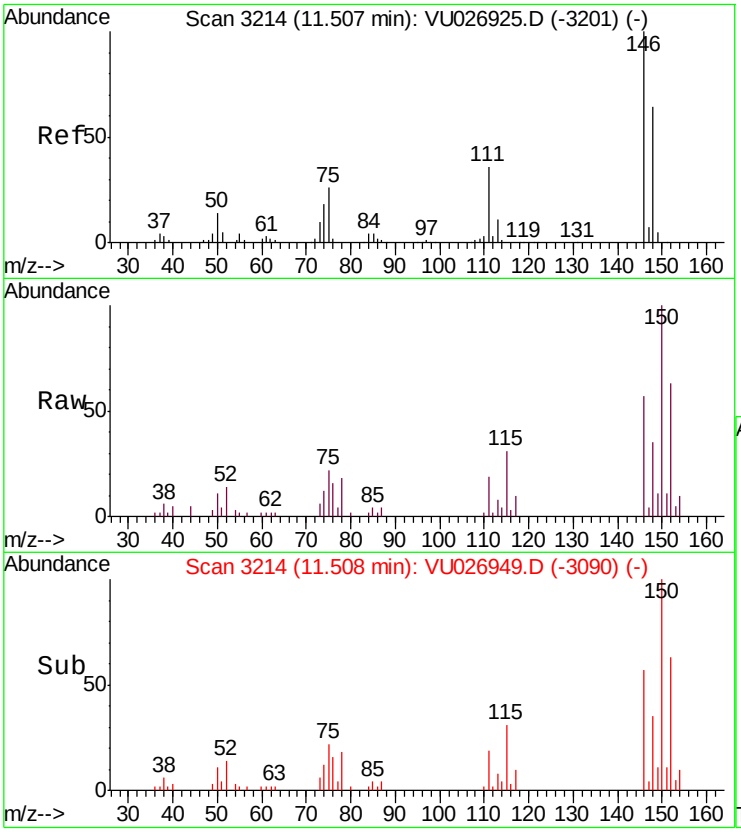




#59
1,2,3-Trichloropropane
Concen: 4.936 ug/L
RT: 11.49 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion: 75 Resp: 8563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.1 | 25.5 | 38.3 |



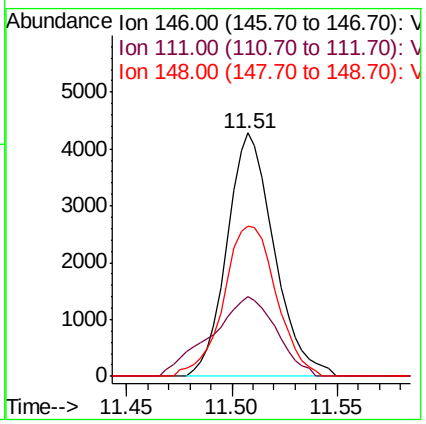


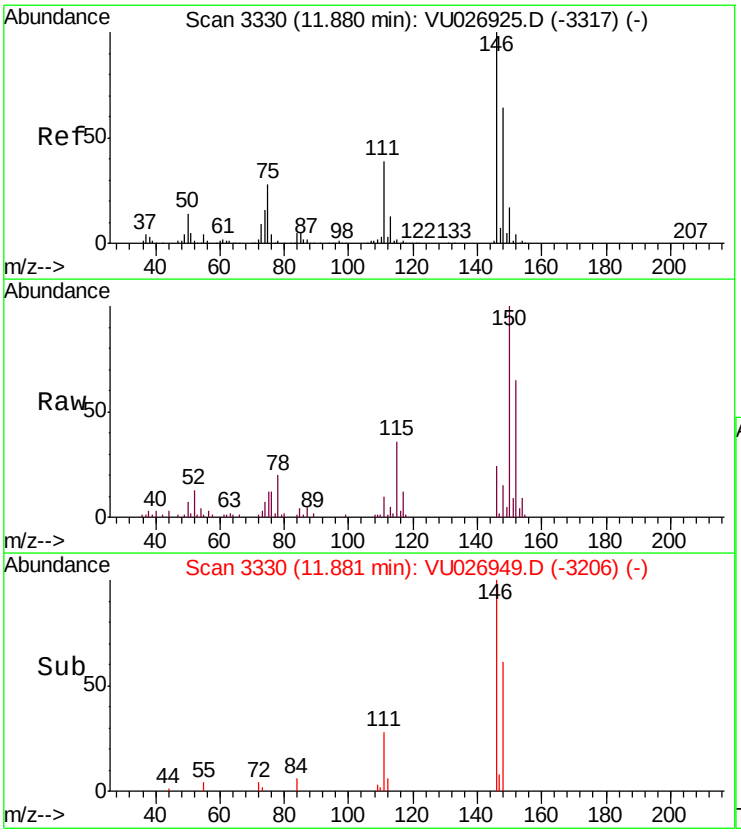

#63
1,4-Dichlorobenzene
Concen: 3.142 ug/L
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08L9

Tgt Ion:146 Resp: 6637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 32.6 | 26.0 | 48.2 |
| 148 | 61.5 | 45.8 | 85.2 |

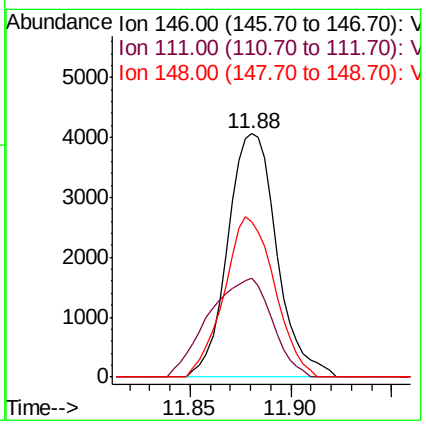


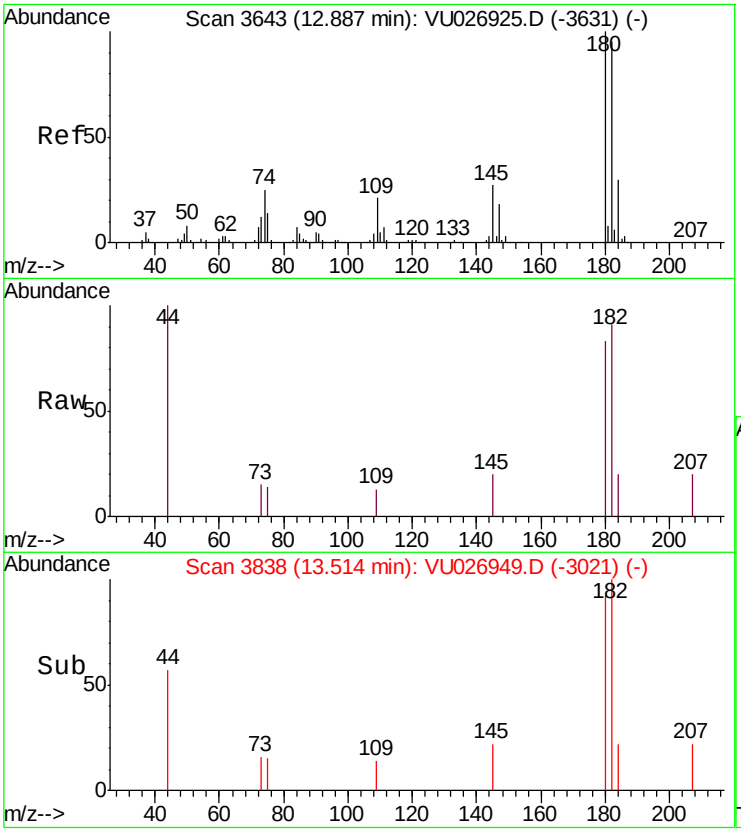




#65
1,2-Dichlorobenzene
Concen: 3.258 ug/L
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion:146 Resp: 6921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.4 | 31.4 | 47.0 |
| 148 | 63.8 | 51.4 | 77.2 |



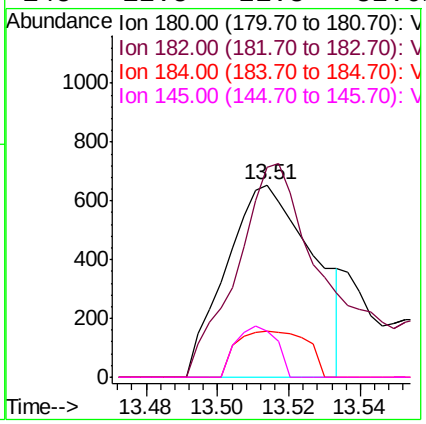


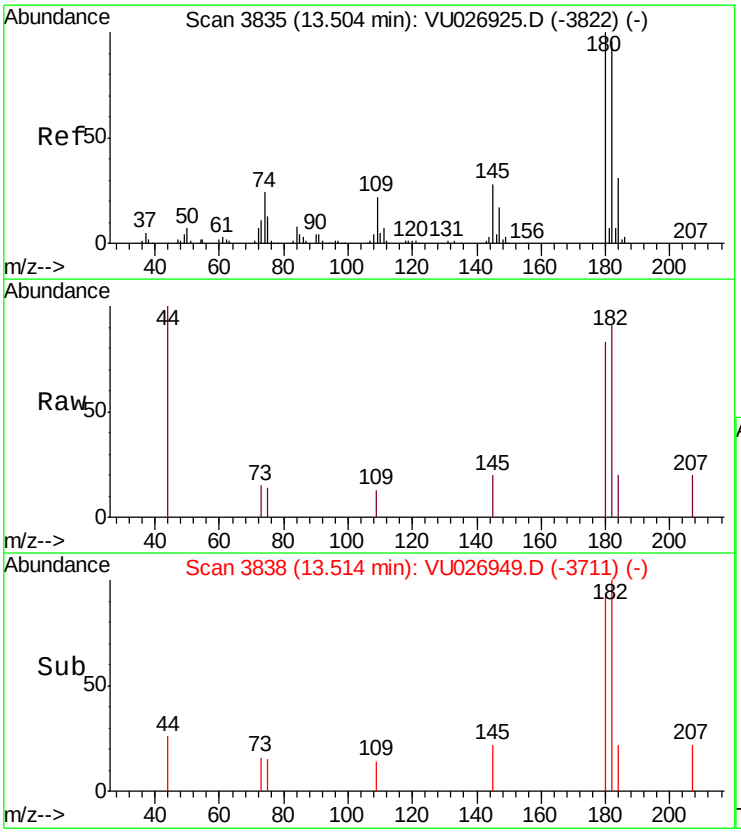

#67
1,3,5-Trichlorobenzene
Concen: 0.746 ug/L
RT: 13.51 min Scan# 3838
Delta R.T. 0.63 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

**Instrument :**
MSVOA_U
**ClientSampleId :**
C08L9

Tgt Ion:180 Resp: 1108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 112.9 | 76.7 | 115.1 |
| 184 | 19.3 | 24.2 | 36.4# |
| 145 | 12.5 | 21.8 | 32.6# |




#68
1,2,4-trichlorobenzene
Concen: 0.866 ug/L
RT: 13.51 min Scan# 3838
Delta R.T. 0.01 min
Lab File: VU026949.D
Acq: 20 Sep 2018 21:34

Tgt Ion:180 Resp: 1108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 112.9 | 76.8 | 115.2 |
| 145 | 12.5 | 22.2 | 33.2# |