Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022719\

Quantitation Report (Not Reviewed)

Data File : VR026409.D
Acq On : 27 Feb 2019 17:51
Operator : SY/MD
Sample : K1588-14
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Quant Time: Feb 28 07:34:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 28 07:30:14 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 503189 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.28 | 117 | 411351 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 125566 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.13 | 65 | 145990 | 2.97 | ug/L | -0.02 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 59.40% | | | |
| 7) Chloroethane-d5 | 2.62 | 69 | 138083 | 3.42 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 68.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.60 | 63 | 324777 | 2.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 56.20%# | | | |
| 20) 2-Butanone-d5 | 6.58 | 46 | 182243 | 50.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 101.44% | | | |
| 24) Chloroform-d | 7.20 | 84 | 330990 | 4.13 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 82.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 7.89 | 65 | 141614 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 87.00% | | | |
| 32) Benzene-d6 | 7.85 | 84 | 569196 | 3.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 73.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 8.89 | 67 | 162928 | 4.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 83.20% | | | |
| 41) Toluene-d8 | 9.97 | 98 | 494197 | 3.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 71.00% | | | |
| 43) trans-1,3-Dichloropropene- | 10.23 | 79 | 34059 | 3.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 65.80% | | | |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 138096 | 52.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.84% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 61498 | 4.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 82.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 13.52 | 152 | 96145 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.60% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 3) Chloromethane | 2.00 | 50 | 6854 | 0.128 | ug/L | 83 |
| 12) 1,1-Dichloroethene | 3.62 | 96 | 45060 | 1.025 | ug/L # | 22 |
| 13) Acetone | 3.69 | 43 | 10055 | 3.111 | ug/L | 95 |
| 14) Carbon disulfide | 3.92 | 76 | 28755 | 0.205 | ug/L # | 84 |
| 15) Methyl Acetate | 3.93 | 43 | 320310 | 35.018 | ug/L # | 55 |
| 18) trans-1,2-Dichloroethene | 4.87 | 96 | 152918 | 3.813 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 5.69 | 63 | 60223 | 0.820 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 277048 | 8.229 | ug/L # | 89 |
| 25) Chloroform | 7.22 | 83 | 41310 | 0.586 | ug/L | 94 |
| 27) 1,2-Dichloroethane | 7.99 | 62 | 9177 | 0.275 | ug/L # | 93 |
| 34) Trichloroethene | 8.71 | 95 | 1908895 | 48.001 | ug/L | 98 |
| 35) Methylcyclohexane | 8.89 | 83 | 39399 | 0.699 | ug/L # | 15 |
| 40) 4-Methyl-2-pentanone | 9.81 | 43 | 19570 | 2.132 | ug/L # | 50 |
| 42) Toluene | 10.03 | 91 | 250110 | 1.575 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 10.23 | 75 | 3088 | 0.116 | ug/L | 98 |
| 48) 2-Hexanone | 10.59 | 43 | 26159 | 4.124 | ug/L # | 70 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022719\

Quantitation Report (Not Reviewed)

Data File : VR026409.D
Acq On : 27 Feb 2019 17:51
Operator : SY/MD
Sample : K1588-14
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_R
**ClientSampleId :**
C0AB2

Quant Time: Feb 28 07:34:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 28 07:30:14 2019
Response via : Initial Calibration

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

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

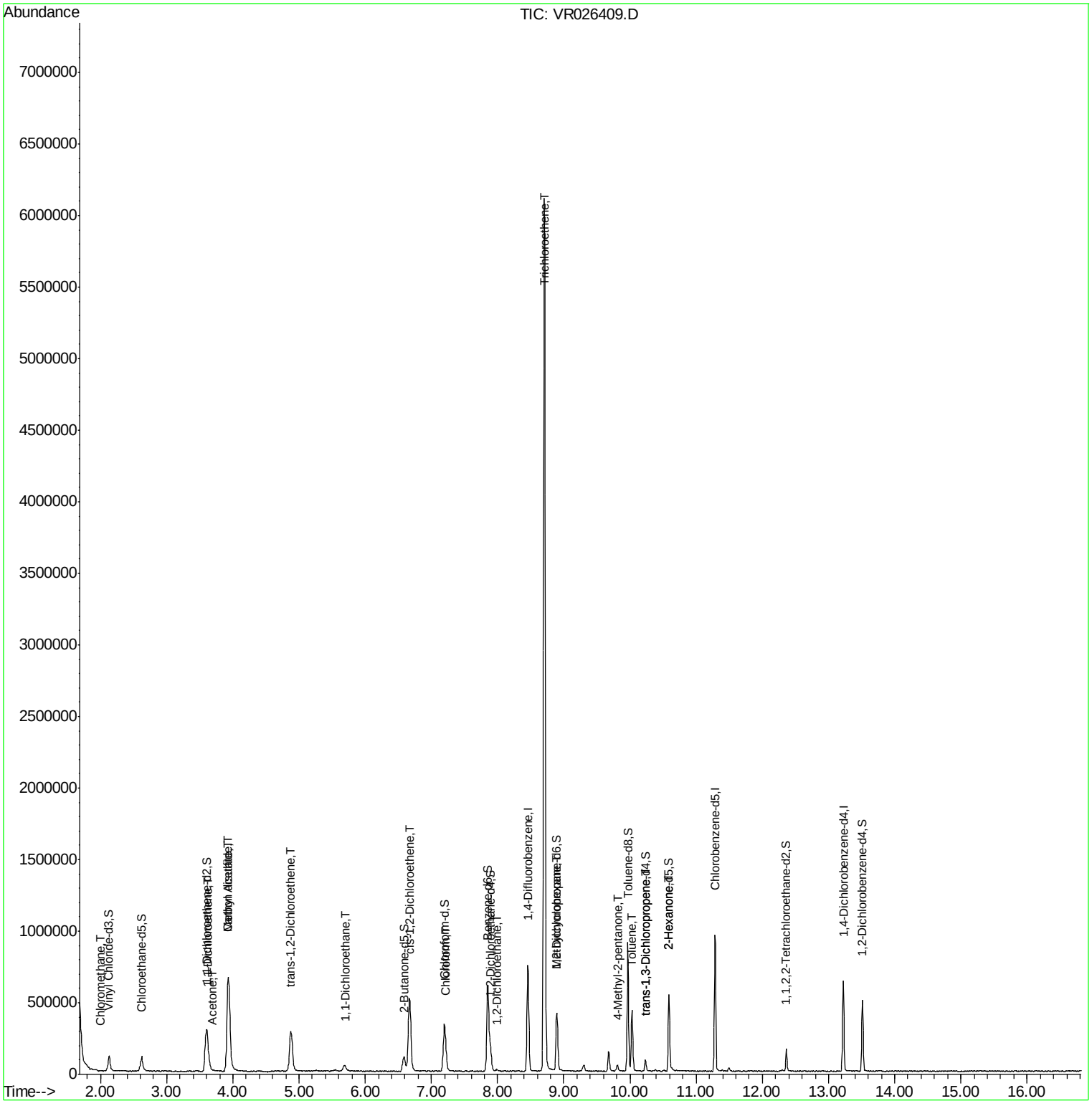
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022719\

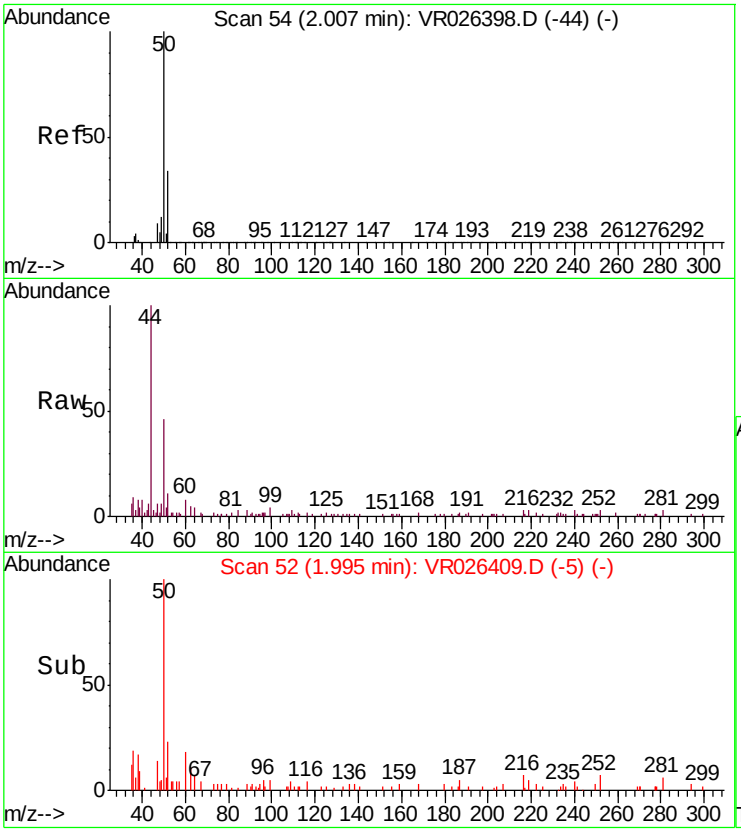
Quantitation Report (Not Reviewed)

Data File : VR026409.D
Acq On : 27 Feb 2019 17:51
Operator : SY/MD
Sample : K1588-14
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Quant Time: Feb 28 07:34:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 28 07:30:14 2019
Response via : Initial Calibration



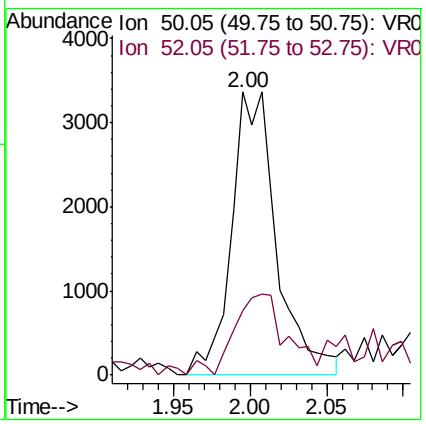


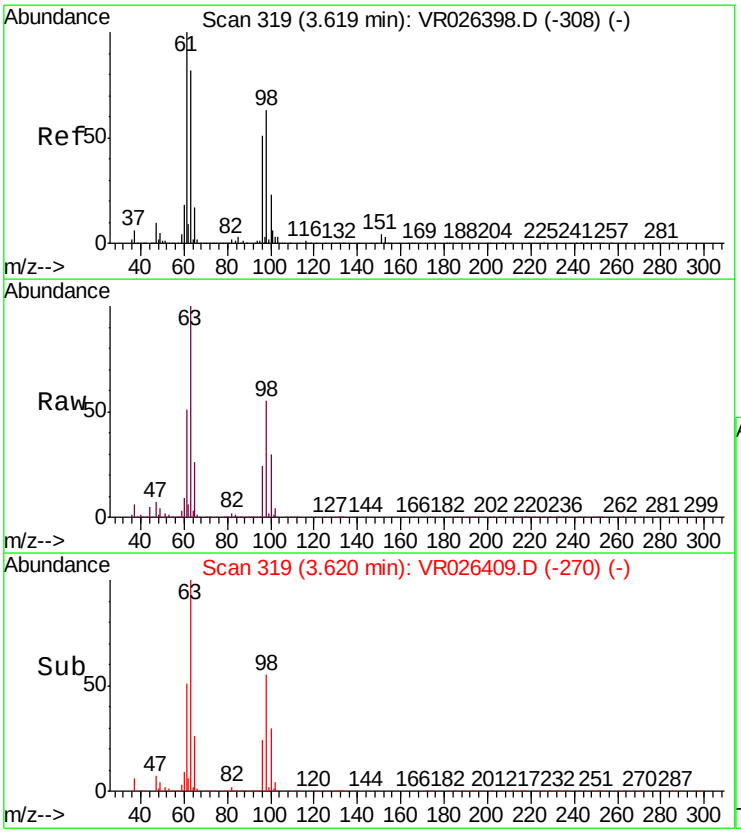

#3
Chloromethane
Concen: 0.128 ug/L
RT: 2.00 min Scan# 52
Delta R.T. -0.01 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :**
MSVOA_R
**ClientSampleId :**
C0AB2

Tgt Ion: 50 Resp: 6854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 22.8 | 22.7 | 42.3 |

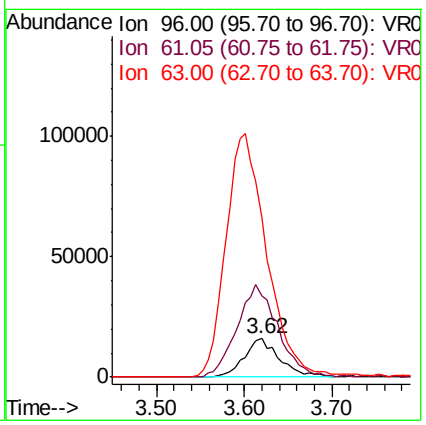


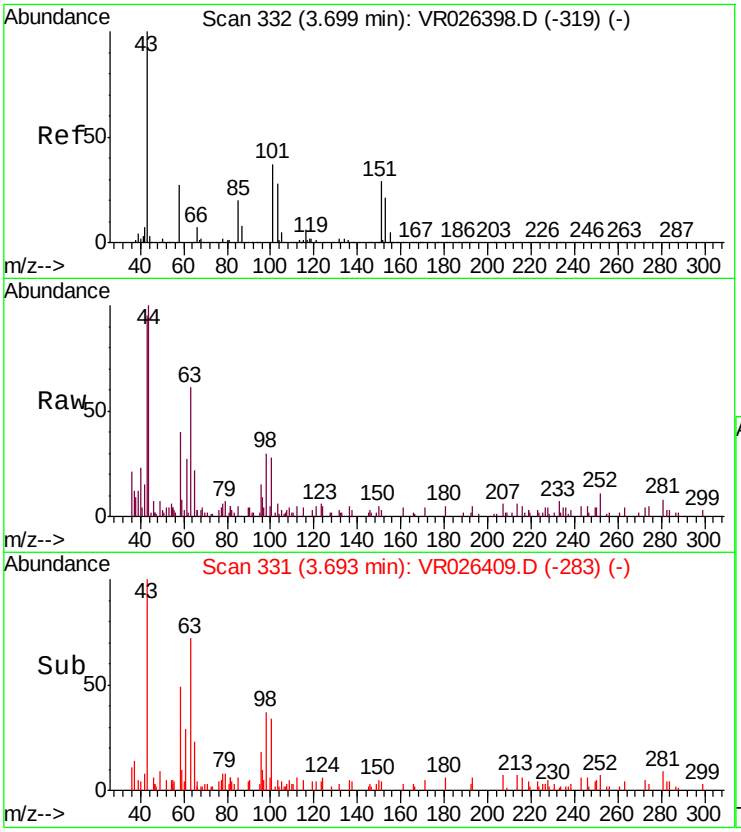




#12
1,1-Dichloroethene
Concen: 1.025 ug/L
RT: 3.62 min Scan# 319
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 96 Resp: 45060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 209.5 | 135.9 | 252.5 |
| 63 | 411.7 | 136.6 | 253.6# |



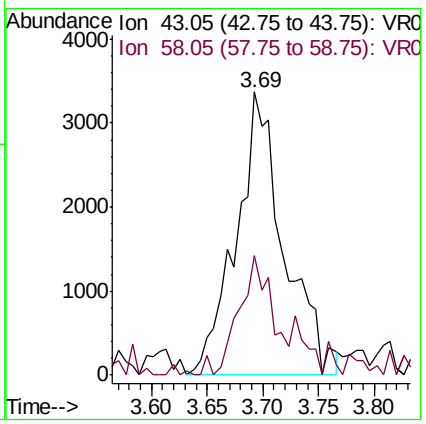


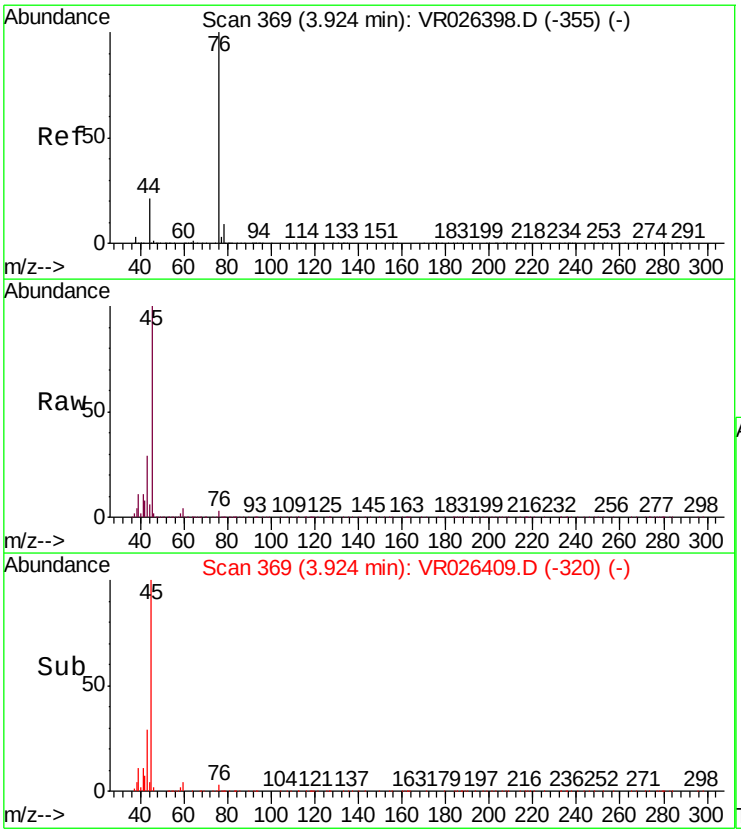

#13
Acetone
Concen: 3.111 ug/L
RT: 3.69 min Scan# 331
Delta R.T. -0.01 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Tgt Ion: 43 Resp: 10055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 0.0 | 52.2 |

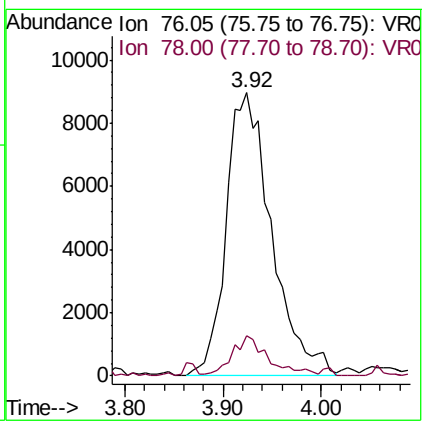


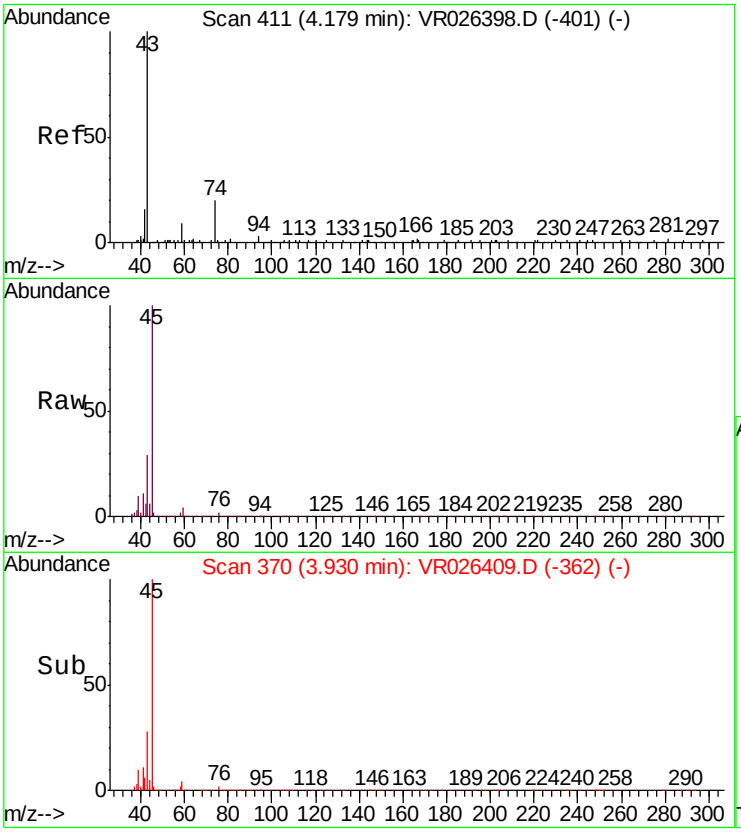




#14
Carbon disulfide
Concen: 0.205 ug/L
RT: 3.92 min Scan# 369
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 76 Resp: 28755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 14.3 | 6.7 | 10.1# |



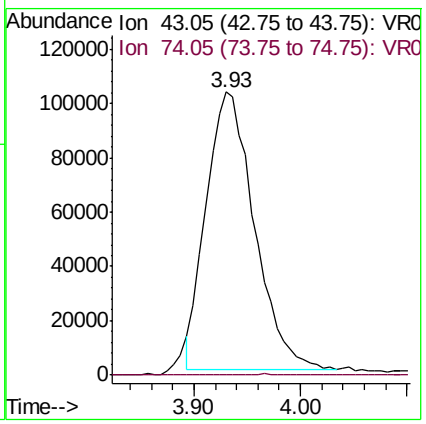


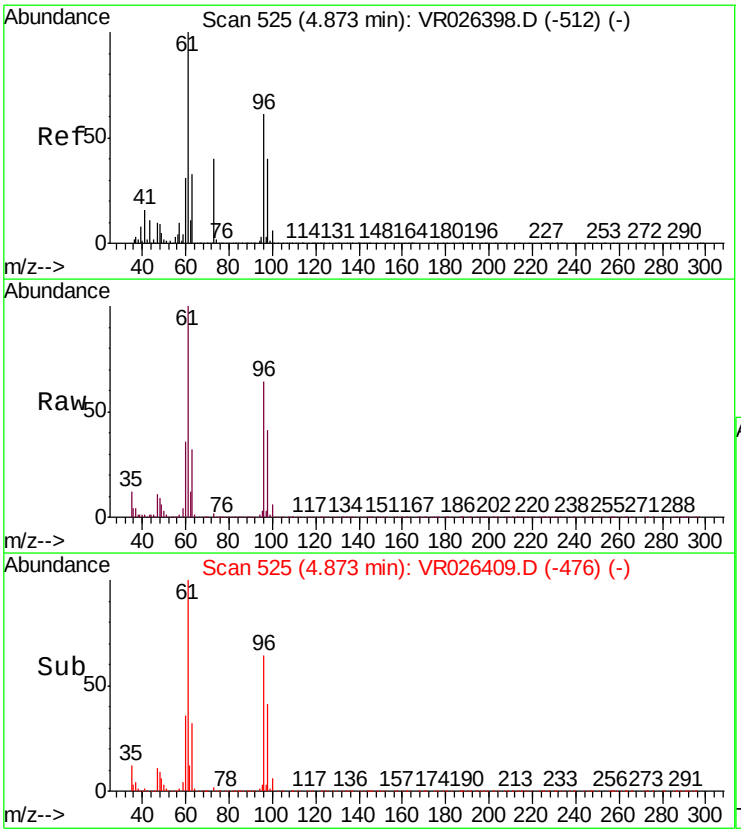

#15
Methyl Acetate
Concen: 35.018 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.25 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Tgt Ion: 43 Resp: 320310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 16.6 | 25.0# |

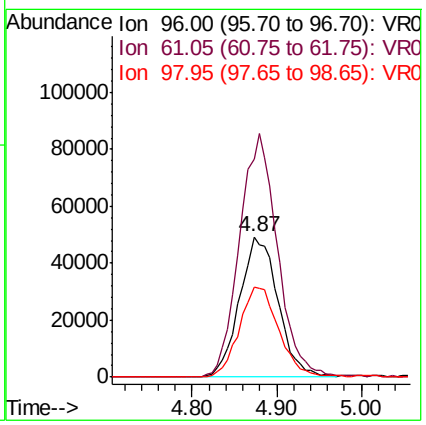


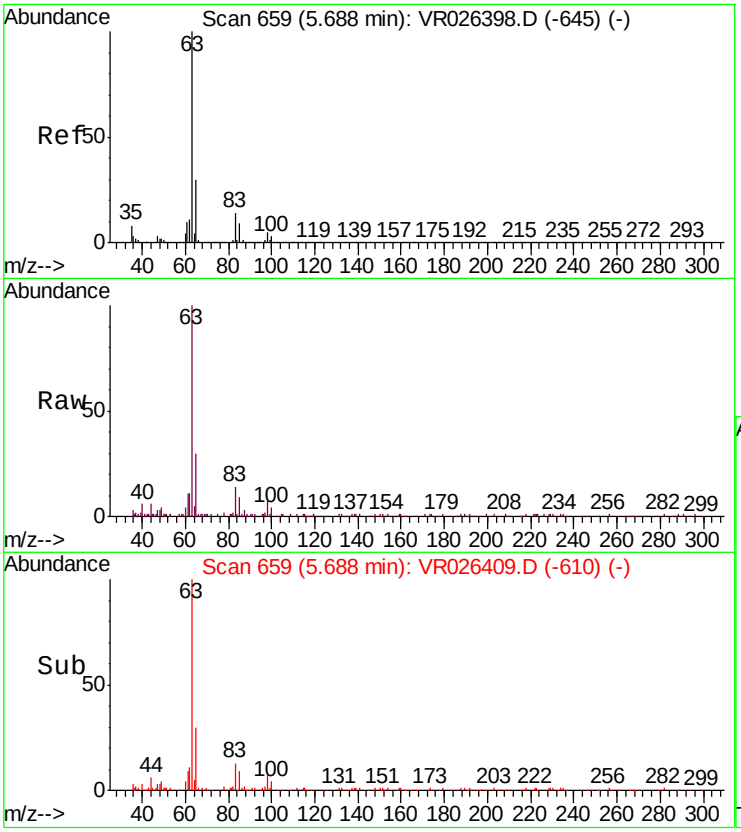




#18
trans-1,2-Dichloroethene
Concen: 3.813 ug/L
RT: 4.87 min Scan# 525
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 96 Resp: 152918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.8 | 109.4 | 203.2 |
| 98 | 64.3 | 39.7 | 73.7 |



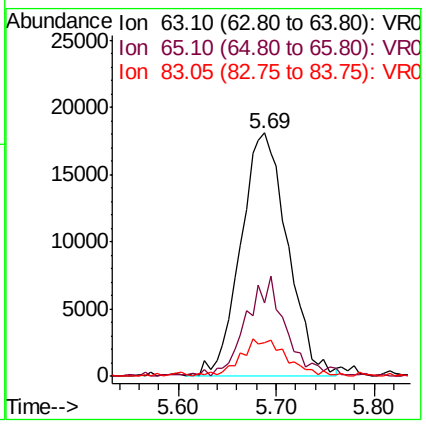


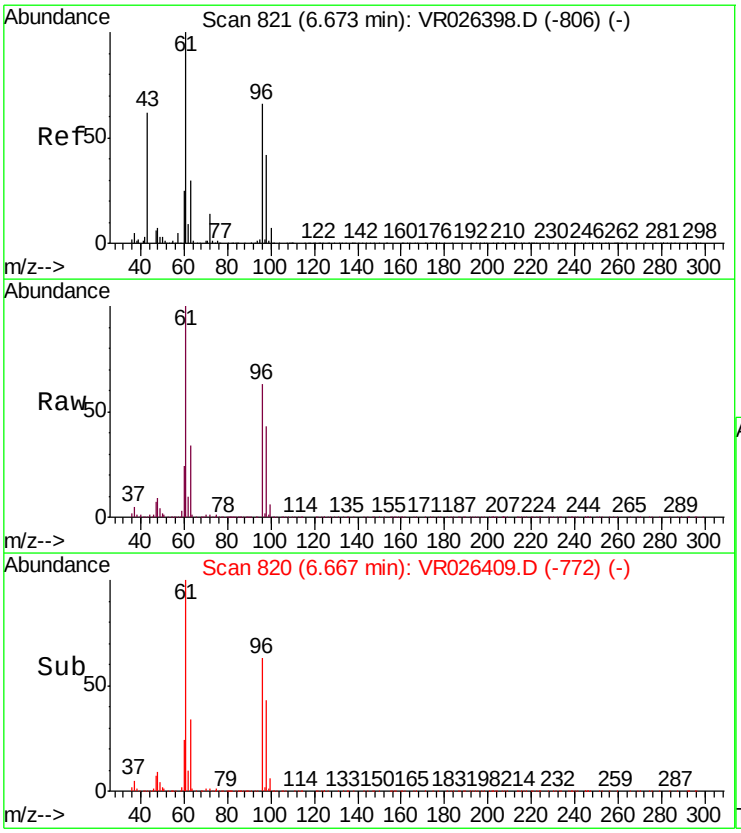

#19
1,1-Dichloroethane
Concen: 0.820 ug/L
RT: 5.69 min Scan# 659
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Tgt Ion: 63 Resp: 60223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.3 | 23.6 | 43.8 |
| 83 | 13.6 | 8.8 | 16.4 |

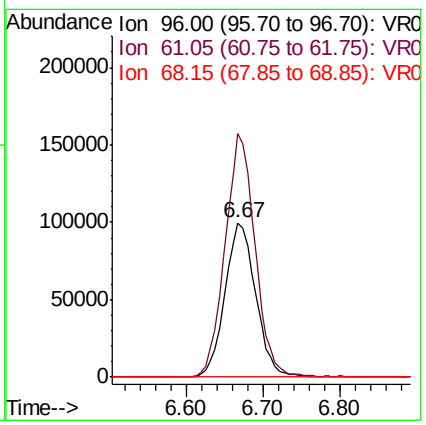


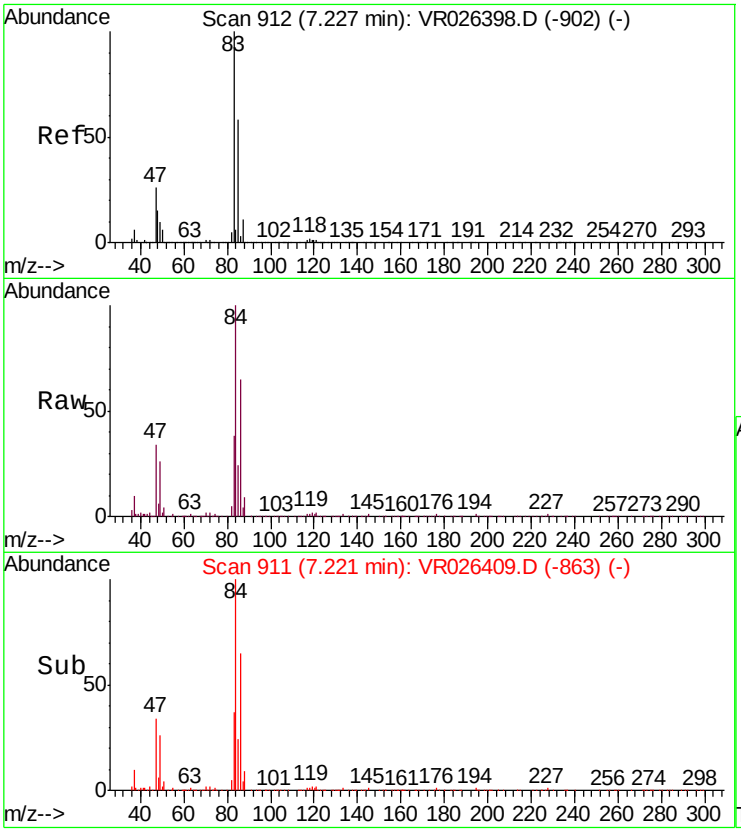




#22
cis-1,2-Dichloroethene
Concen: 8.229 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 96 Resp: 277048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 157.7 | 100.8 | 187.2 |
| 68 | 0.2 | 0.1 | 0.1# |



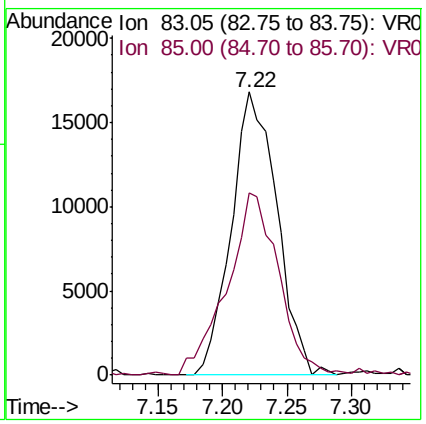


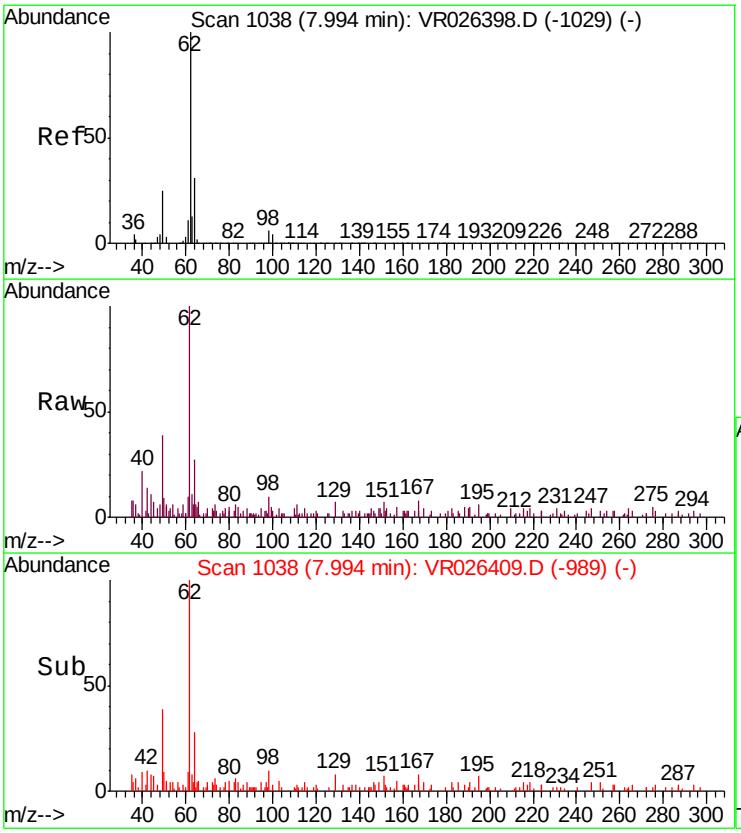

#25
Chloroform
Concen: 0.586 ug/L
RT: 7.22 min Scan# 911
Delta R.T. -0.01 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :**
MSVOA_R
**ClientSampleId :**
C0AB2

Tgt Ion: 83 Resp: 41310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 48.6 | 90.2 |

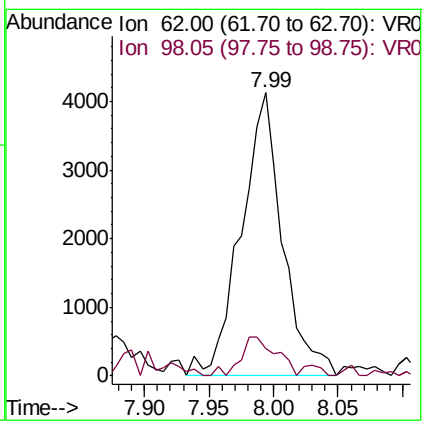


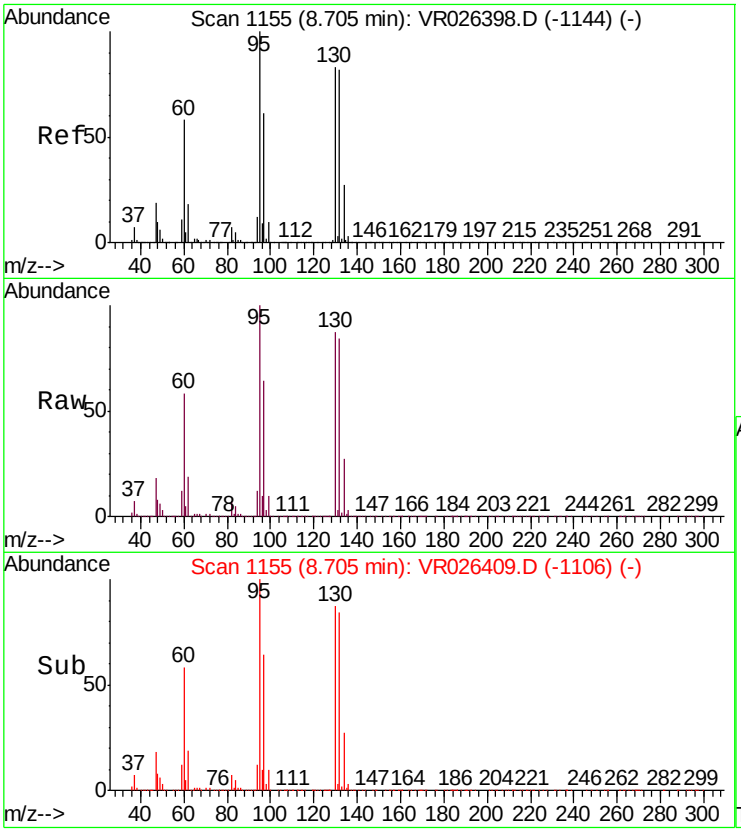




#27
1,2-Dichloroethane
Concen: 0.275 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 62 Resp: 9177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.6 | 5.7 | 8.5# |



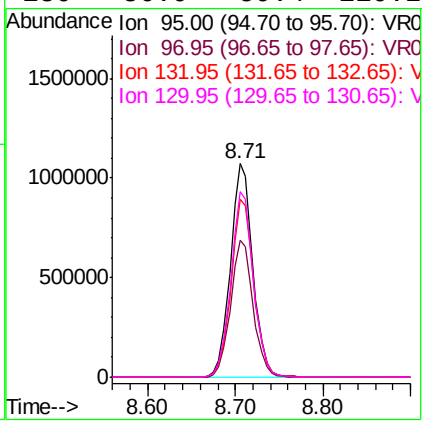


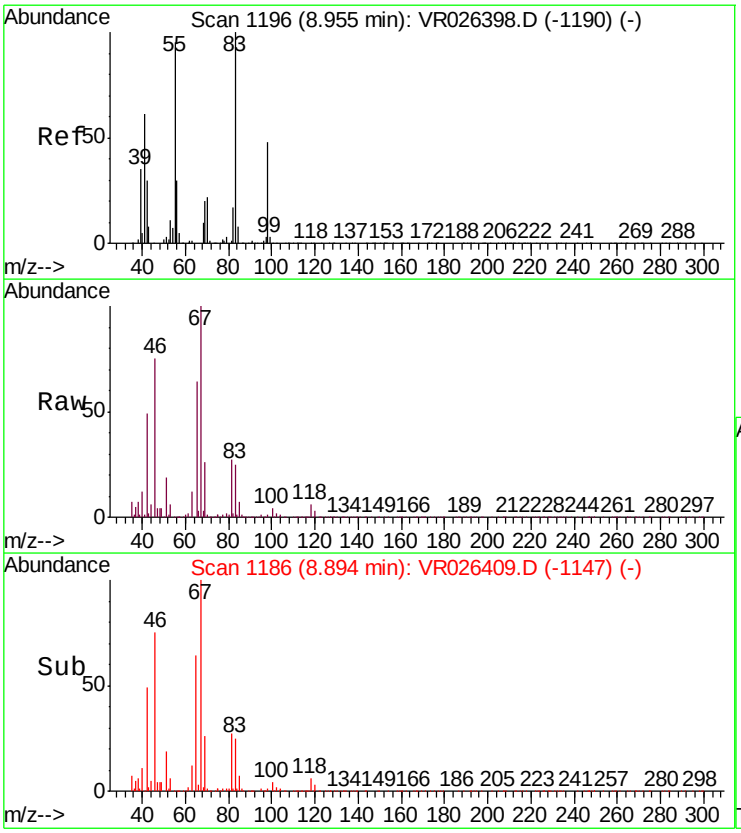

#34
Trichloroethene
Concen: 48.001 ug/L
RT: 8.71 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Tgt Ion: 95 Resp: 1908895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.1 | 43.5 | 80.7 |
| 132 | 83.6 | 58.6 | 108.8 |
| 130 | 86.9 | 59.4 | 110.2 |

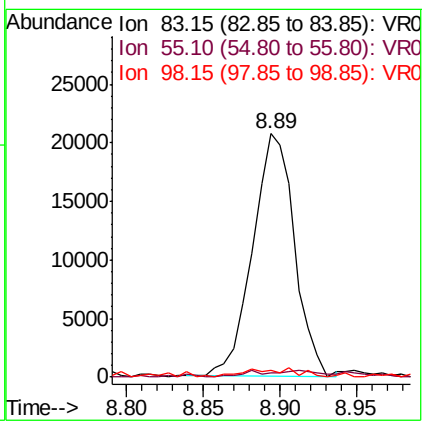


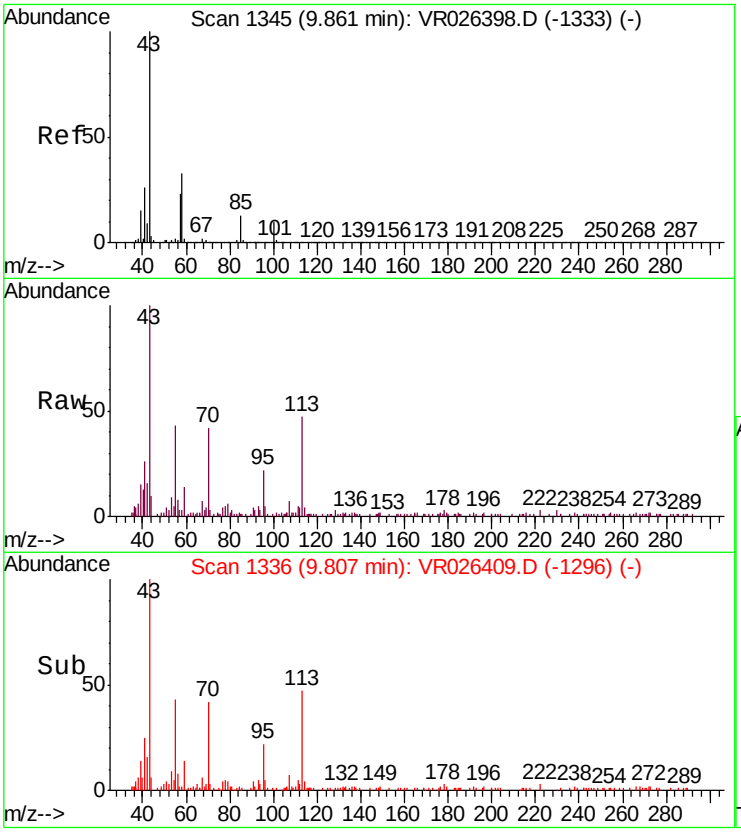




#35
Methylcyclohexane
Concen: 0.699 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.06 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 83 Resp: 39399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 1.7 | 72.2 | 108.2# |
| 98 | 0.0 | 35.0 | 52.4# |



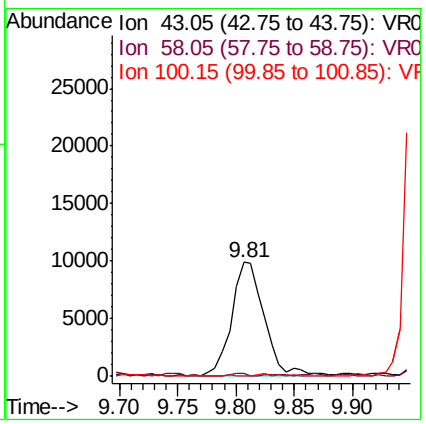


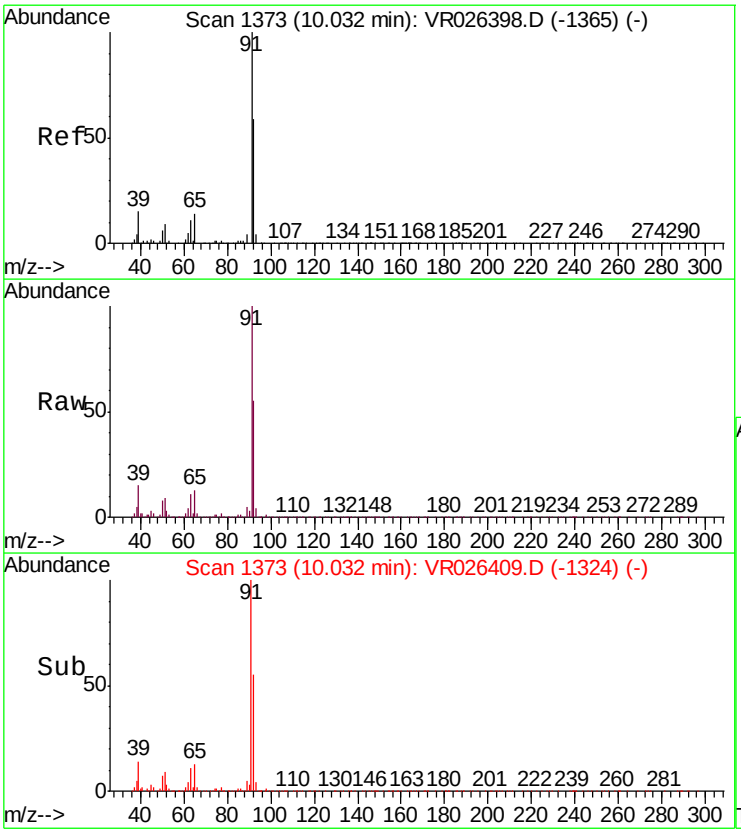

#40
4-Methyl-2-pentanone
Concen: 2.132 ug/L
RT: 9.81 min Scan# 1336
Delta R.T. -0.05 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :** MSVOA_R
**ClientSampleId :** C0AB2

Tgt Ion: 43 Resp: 19570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 1.4 | 26.7 | 40.1# |
| 100 | 0.0 | 8.4 | 12.6# |

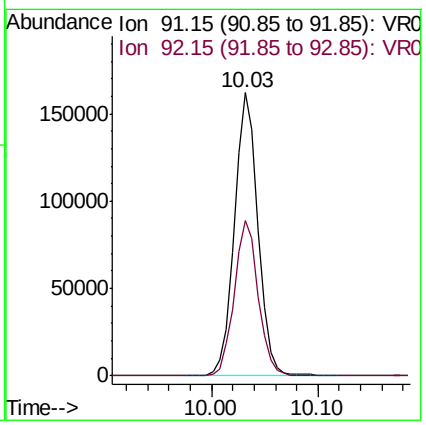


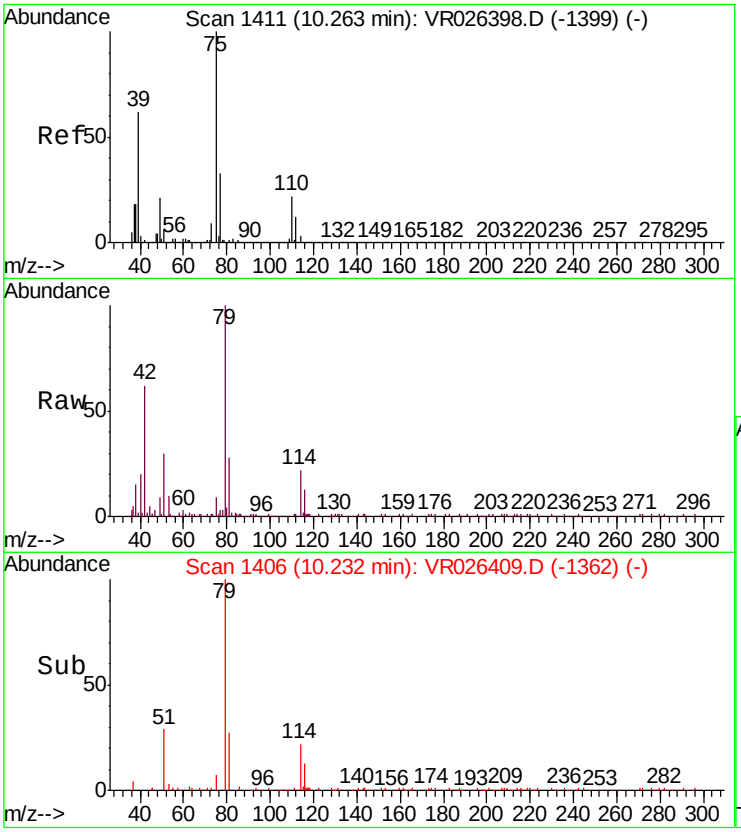




#42
Toluene
Concen: 1.575 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 91 Resp: 250110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.9 | 39.6 | 73.6 |



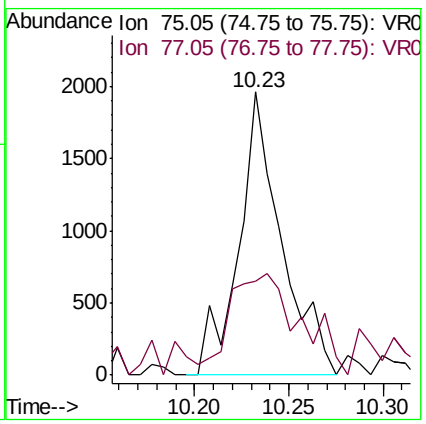


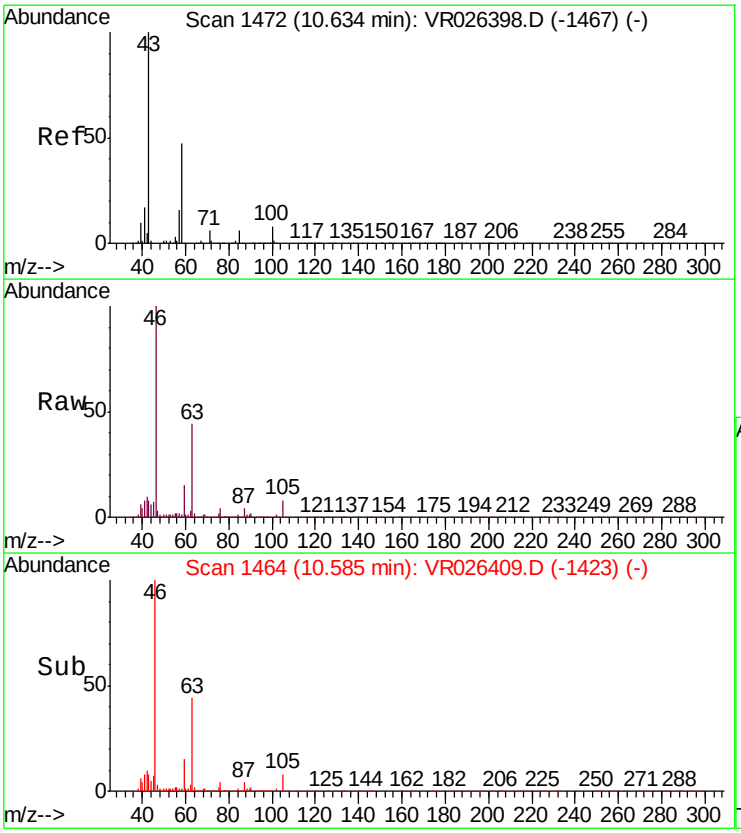

#44
trans-1,3-Dichloropropene
Concen: 0.116 ug/L
RT: 10.23 min Scan# 1406
Delta R.T. -0.03 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

**Instrument :**
MSVOA_R
**ClientSampleId :**
C0AB2

Tgt Ion: 75 Resp: 3088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 23.9 | 44.3 |




#48
2-Hexanone
Concen: 4.124 ug/L
RT: 10.59 min Scan# 1464
Delta R.T. -0.05 min
Lab File: VR026409.D
Acq: 27 Feb 2019 17:51

Tgt Ion: 43 Resp: 26159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.3 | 38.4 | 57.6# |
| 57 | 27.5 | 13.2 | 19.8# |
| 100 | 2.8 | 6.3 | 9.5# |