Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\

Quantitation Report (Not Reviewed)

Data File : VW006299.D
Acq On : 23 Oct 2018 16:50
Operator : SY/AP
Sample : MDL
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Quant Time: Oct 24 04:24:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 01:59:01 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.85 | 114 | 340716 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.63 | 117 | 311157 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 165946 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.36 | 65 | 78936 | 20.54 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 82.16% | | | |
| 7) Chloroethane-d5 | 2.90 | 69 | 75440 | 22.81 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 91.24% | | | |
| 10) 1,1-Dichloroethene-d2 | 4.01 | 63 | 125071 | 16.95 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 67.80% | | | |
| 20) 2-Butanone-d5 | 7.09 | 46 | 63670 | 49.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 99.98% | | | |
| 24) Chloroform-d | 7.65 | 84 | 176072 | 23.86 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 95.44% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.31 | 65 | 101450 | 24.85 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 99.40% | | | |
| 29) Benzene-d6 | 8.28 | 84 | 358386 | 25.37 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 101.48% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.28 | 67 | 104652 | 24.55 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 98.20% | | | |
| 37) Toluene-d8 | 10.33 | 98 | 340592 | 24.11 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 96.44% | | | |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79 | 41300 | 19.93 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 79.72% | | | |
| 39) 2-Hexanone-d5 | 10.93 | 63 | 49582 | 48.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 96.26% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84 | 101542 | 24.49 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 97.96% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.86 | 152 | 141109 | 24.81 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 99.24% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 2.01 | 85 | 4053 | 1.259 | ug/L | 99 |
| 3) Chloromethane | 2.21 | 50 | 4661 | 1.474 | ug/L | 97 |
| 5) Vinyl chloride | 2.37 | 62 | 5871 | 1.152 | ug/L # | 69 |
| 6) Bromomethane | 2.79 | 94 | 4700 | 1.184 | ug/L | 99 |
| 8) Chloroethane | 2.94 | 64 | 3768 | 1.206 | ug/L | 93 |
| 9) Trichlorofluoromethane | 3.26 | 101 | 5075 | 1.245 | ug/L | 98 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.06 | 101 | 3002 | 0.736 | ug/L # | 83 |
| 12) 1,1-Dichloroethene | 4.04 | 96 | 5175 | 1.323 | ug/L # | 1 |
| 13) Acetone | 4.13 | 43 | 2553 | 1.984 | ug/L | 73 |
| 14) Carbon disulfide | 4.38 | 76 | 12479 | 0.976 | ug/L # | 94 |
| 15) Methyl Acetate | 4.67 | 43 | 1187 | 0.570 | ug/L # | 57 |
| 16) Methylene chloride | 4.92 | 84 | 12179 | 2.769 | ug/L | 92 |
| 17) Methyl tert-butyl Ether | 5.43 | 73 | 7076 | 1.111 | ug/L # | 78 |
| 18) trans-1,2-Dichloroethene | 5.42 | 96 | 4989 | 1.152 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 6.21 | 63 | 7706 | 1.100 | ug/L | 95 |
| 21) 2-Butanone | 7.18 | 43 | 4178 | 2.444 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 7.17 | 96 | 5326 | 1.127 | ug/L | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\

Quantitation Report (Not Reviewed)

Data File : VW006299.D
Acq On : 23 Oct 2018 16:50
Operator : SY/AP
Sample : MDL
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Quant Time: Oct 24 04:24:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 01:59:01 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 7.52 | 128 | 2611 | 1.175 ug/L | 92 |
| 25) Chloroform | 7.68 | 83 | 9482 | 1.257 ug/L | 78 |
| 27) 1,2-Dichloroethane | 8.40 | 62 | 6209 | 1.207 ug/L | 98 |
| 30) Cyclohexane | 7.96 | 56 | 7187 | 1.051 ug/L | 97 |
| 31) 1,1,1-Trichloroethane | 7.88 | 97 | 7431 | 1.141 ug/L | 98 |
| 32) Carbon tetrachloride | 8.07 | 117 | 6725 | 1.053 ug/L | 98 |
| 34) Benzene | 8.32 | 78 | 19020 | 1.191 ug/L | 100 |
| 35) Trichloroethene | 9.09 | 95 | 5194 | 1.156 ug/L | 98 |
| 36) Methylcyclohexane | 9.34 | 83 | 8976 | 1.090 ug/L | 99 |
| 40) 1,2-Dichloropropane | 9.37 | 63 | 4578 | 1.155 ug/L # | 94 |
| 41) Bromodichloromethane | 9.65 | 83 | 5280 | 0.987 ug/L | 90 |
| 42) cis-1,3-Dichloropropene | 10.08 | 75 | 6226 | 0.962 ug/L | 99 |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 7129 | 2.245 ug/L | 99 |
| 44) Toluene | 10.39 | 91 | 21093 | 1.176 ug/L | 94 |
| 45) trans-1,3-Dichloropropene | 10.60 | 75 | 7373 | 1.304 ug/L | 99 |
| 46) 1,1,2-Trichloroethane | 10.79 | 97 | 3854 | 1.168 ug/L | 94 |
| 47) Tetrachloroethene | 10.87 | 164 | 4832 | 1.161 ug/L | 91 |
| 49) 2-Hexanone | 10.98 | 43 | 4851 | 2.073 ug/L | 96 |
| 50) Dibromochloromethane | 11.13 | 129 | 4043 | 0.956 ug/L | 98 |
| 51) 1,2-Dibromoethane | 11.24 | 107 | 3744 | 1.090 ug/L | 97 |
| 52) Chlorobenzene | 11.66 | 112 | 14092 | 1.161 ug/L | 98 |
| 53) Ethylbenzene | 11.74 | 91 | 23263 | 1.114 ug/L | 94 |
| 54) m,p-Xylene | 11.84 | 106 | 8721 | 1.066 ug/L | 86 |
| 55) o-xylene | 12.17 | 106 | 7679 | 0.983 ug/L | 90 |
| 56) Styrene | 12.18 | 104 | 12941 | 0.962 ug/L | 95 |
| 57) Isopropylbenzene | 12.47 | 105 | 21776 | 1.001 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 12.72 | 83 | 5281 | 1.232 ug/L # | 95 |
| 59) 1,2,3-Trichloropropane | 12.77 | 75 | 3806 | 1.190 ug/L | 96 |
| 62) Bromoform | 12.35 | 173 | 2270 | 0.816 ug/L | 98 |
| 63) 1,3-Dichlorobenzene | 13.51 | 146 | 11405 | 1.119 ug/L | 93 |
| 64) 1,4-Dichlorobenzene | 13.58 | 146 | 11790 | 1.149 ug/L | 94 |
| 65) 1,2-Dichlorobenzene | 13.88 | 146 | 10910 | 1.164 ug/L | 91 |
| 66) 1,2-Dibromo-3-chloropropan | 14.64 | 75 | 1297 | 1.719 ug/L # | 1 |
| 67) 1,3,5-Trichlorobenzene | 14.63 | 180 | 8958 | 1.091 ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 15.14 | 180 | 7309 | 1.043 ug/L | 99 |
| 69) Naphthalene | 15.38 | 128 | 13217 | 0.932 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 15.57 | 180 | 6420 | 1.020 ug/L | 94 |

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

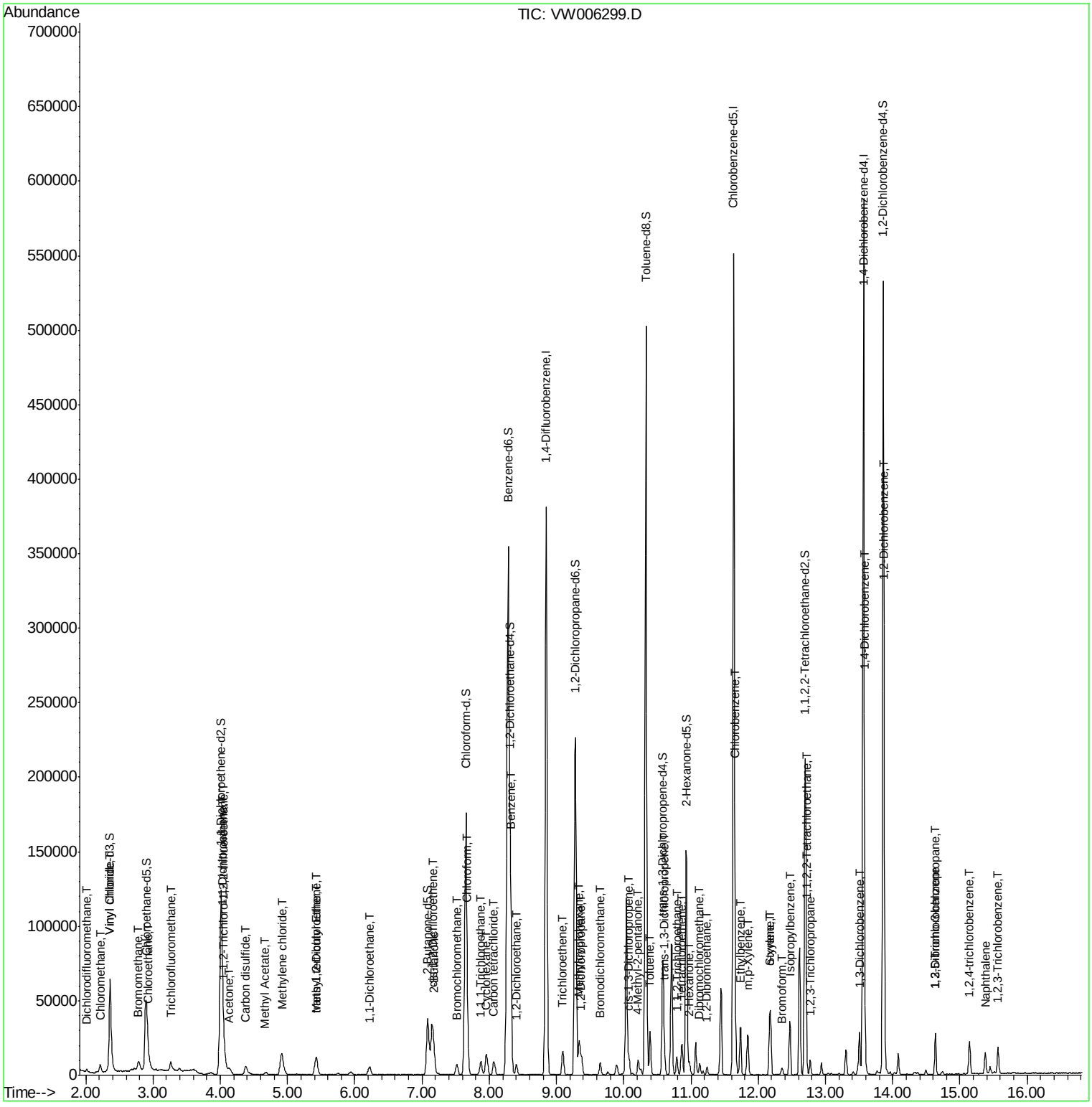
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\

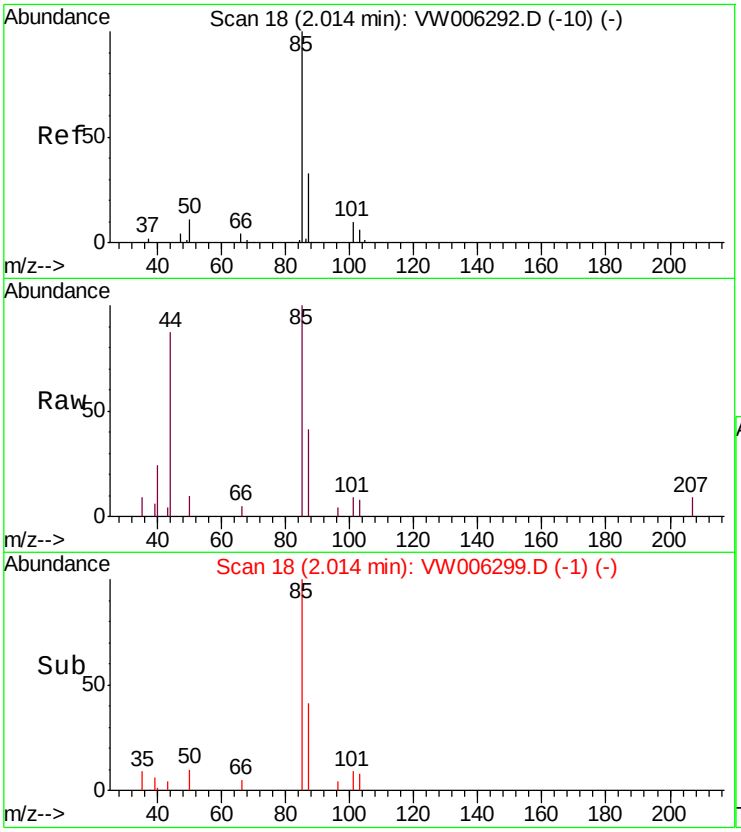
Quantitation Report (Not Reviewed)

Data File : VW006299.D
Acq On : 23 Oct 2018 16:50
Operator : SY/AP
Sample : MDL
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Quant Time: Oct 24 04:24:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 01:59:01 2018
Response via : Initial Calibration



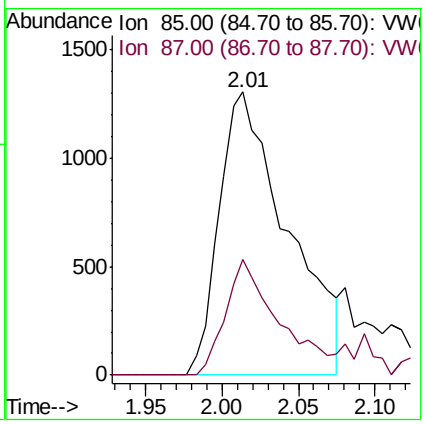


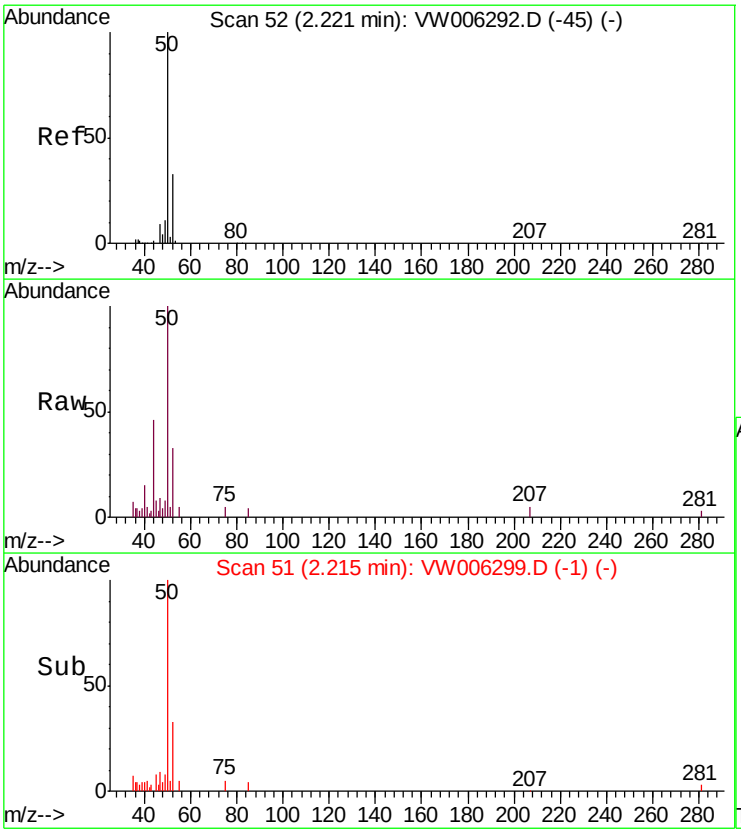

#2
Dichlorodifluoromethane
Concen: 1.259 ug/L
RT: 2.01 min Scan# 18
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 85 Resp: 4053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 28.0 | 19.2 | 35.6 |

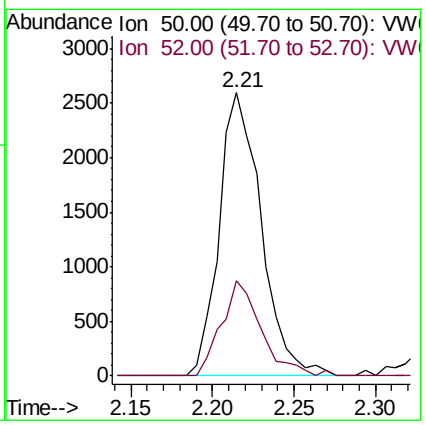


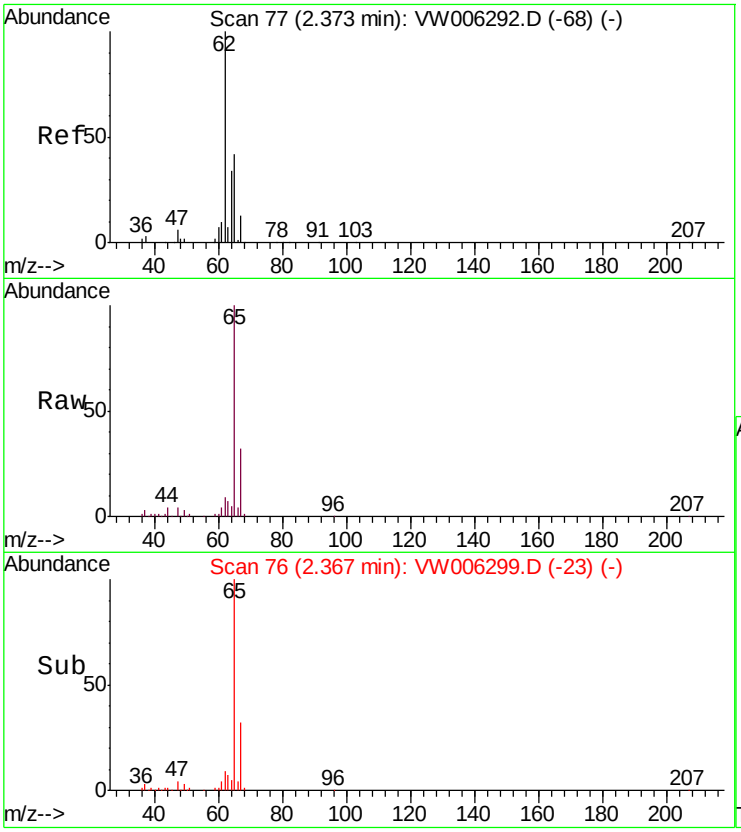




#3
Chloromethane
Concen: 1.474 ug/L
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 50 Resp: 4661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 22.3 | 41.3 |



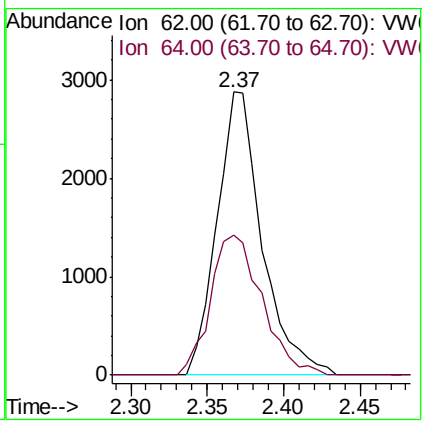


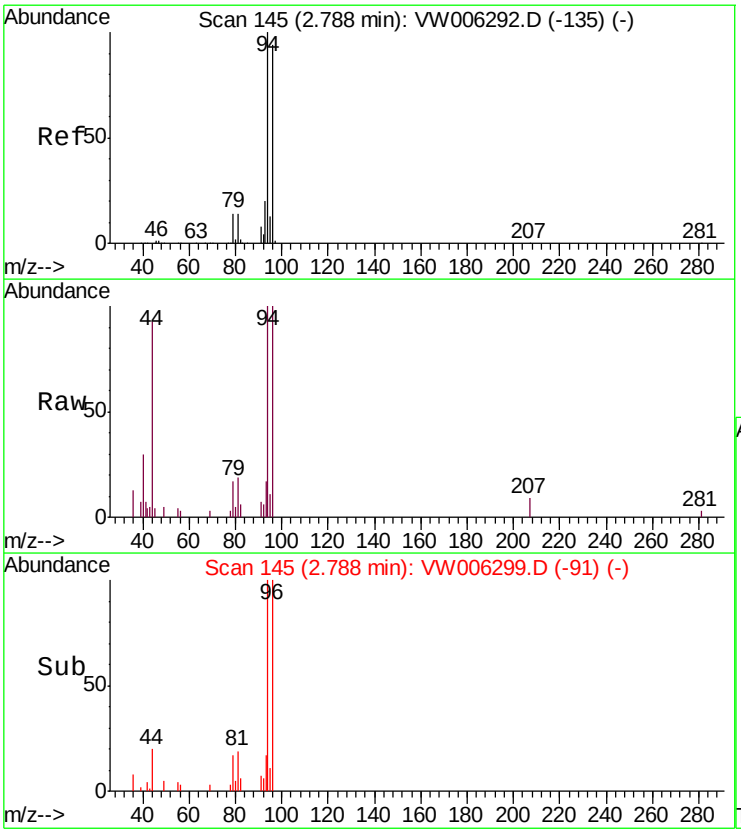

#5
Vinyl chloride
Concen: 1.152 ug/L
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 62 Resp: 5871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 49.7 | 22.7 | 42.3# |

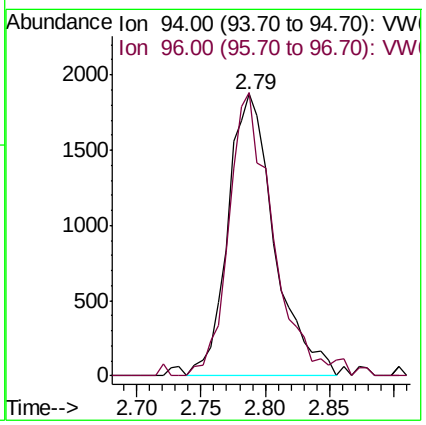


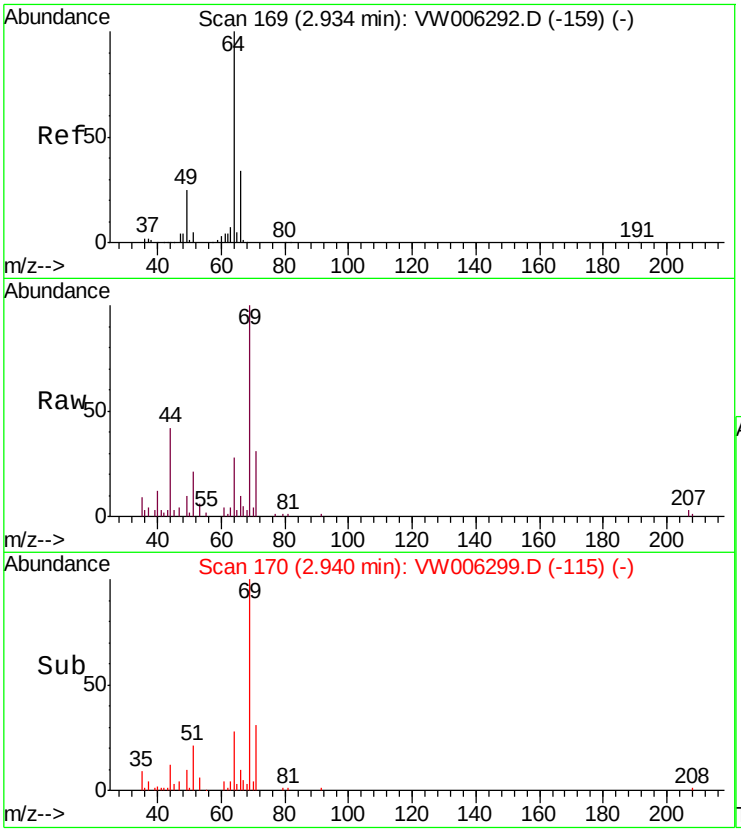




#6
Bromomethane
Concen: 1.184 ug/L
RT: 2.79 min Scan# 145
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 94 Resp: 4700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 9.5 | 181.3 |



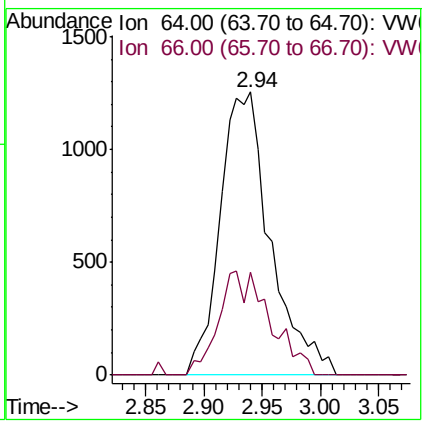


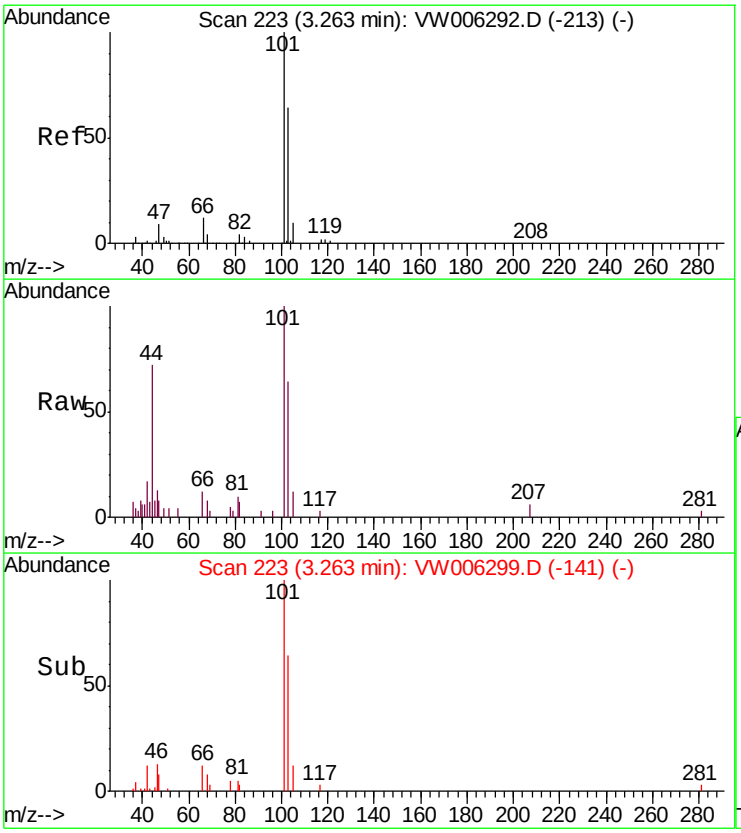

#8
Chloroethane
Concen: 1.206 ug/L
RT: 2.94 min Scan# 170
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 64 Resp: 3768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 36.4 | 22.7 | 42.1 |

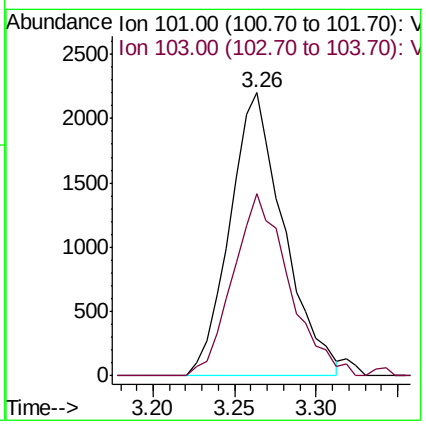


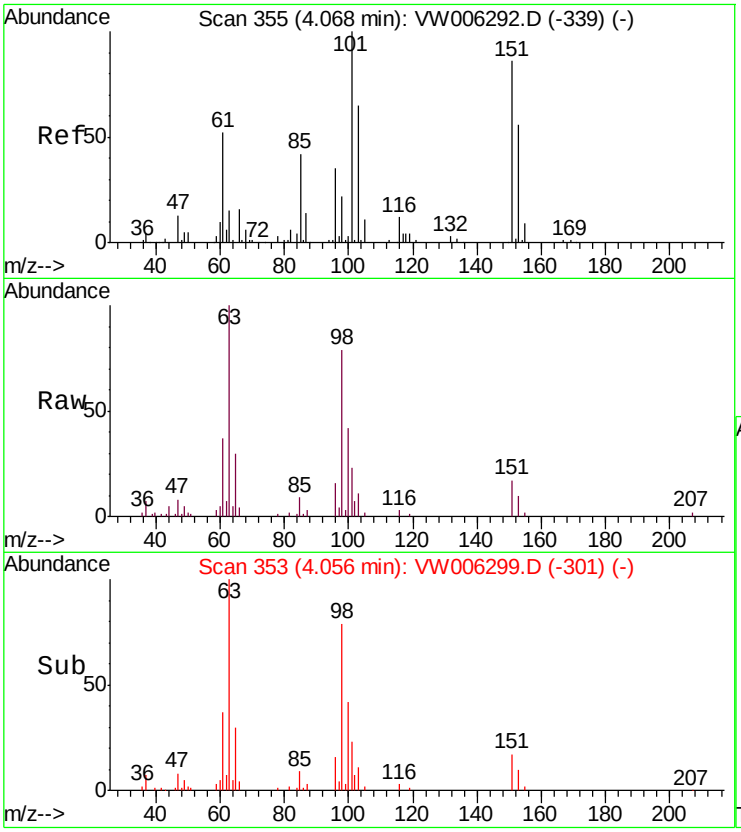




#9
Trichlorofluoromethane
Concen: 1.245 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:101 Resp: 5075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.4 | 45.6 | 84.6 |



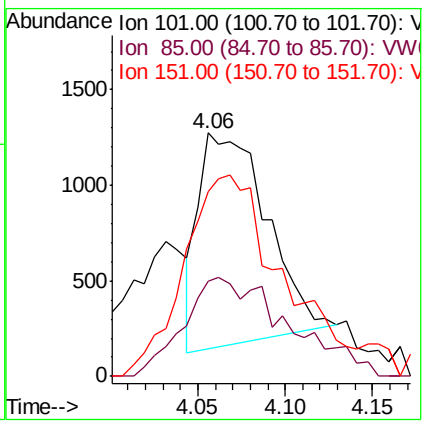


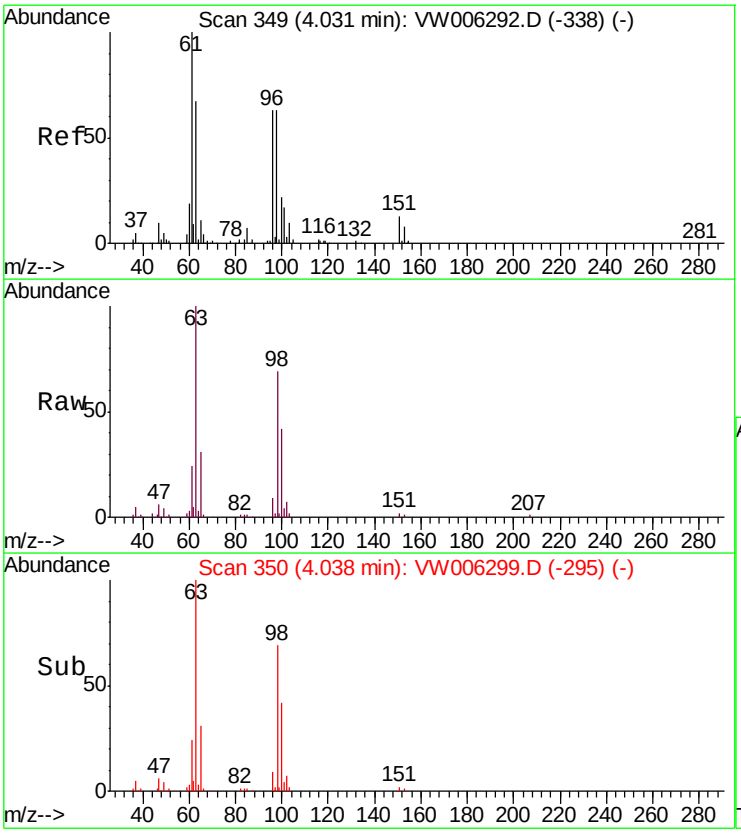

#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.736 ug/L
RT: 4.06 min Scan# 353
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Tgt Ion:101 Resp: 3002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 37.9 | 33.4 | 50.2 |
| 151 | 105.9 | 68.7 | 103.1# |

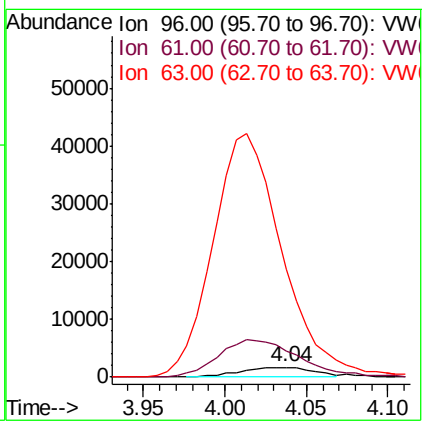


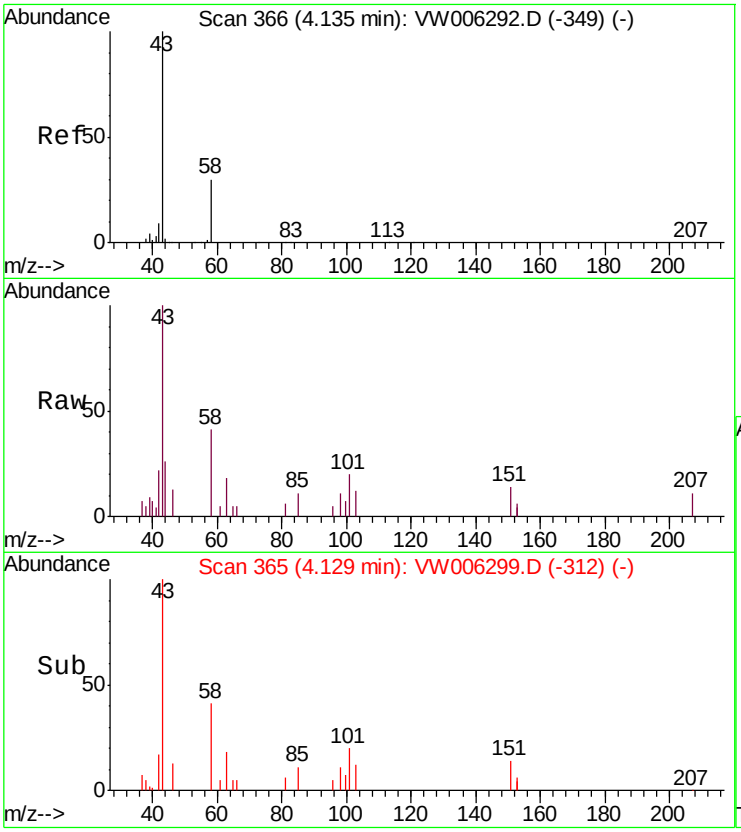




#12
1,1-Dichloroethene
Concen: 1.323 ug/L
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 96 Resp: 5175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 270.7 | 112.3 | 208.7# |
| 63 | 1116.4 | 102.6 | 190.6# |



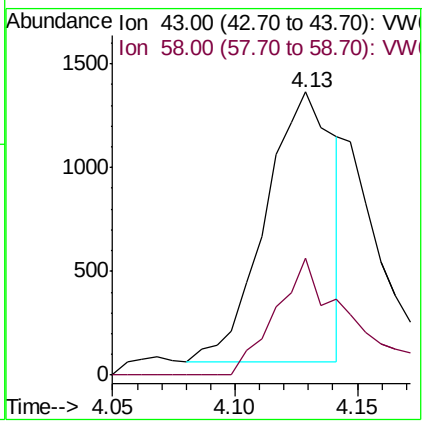


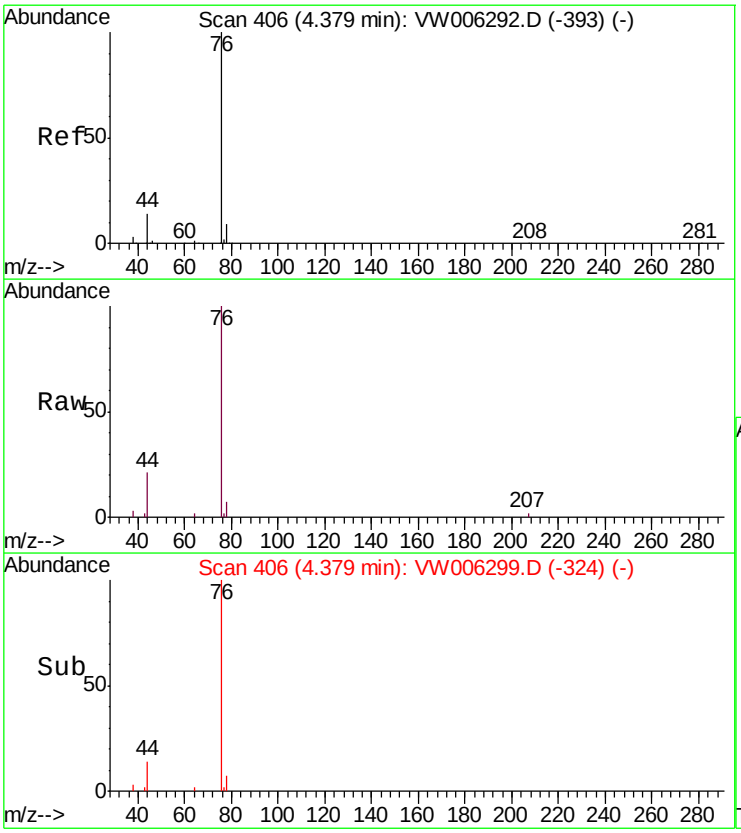

#13
Acetone
Concen: 1.984 ug/L
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 43 Resp: 2553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 45.2 | 0.0 | 61.2 |

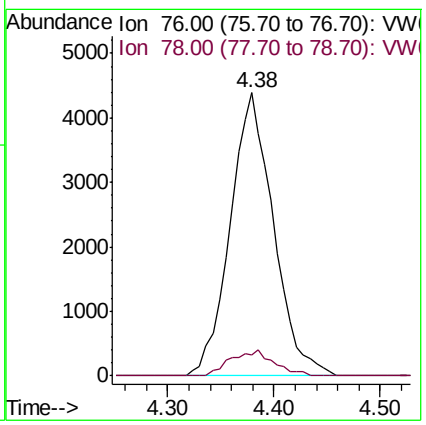


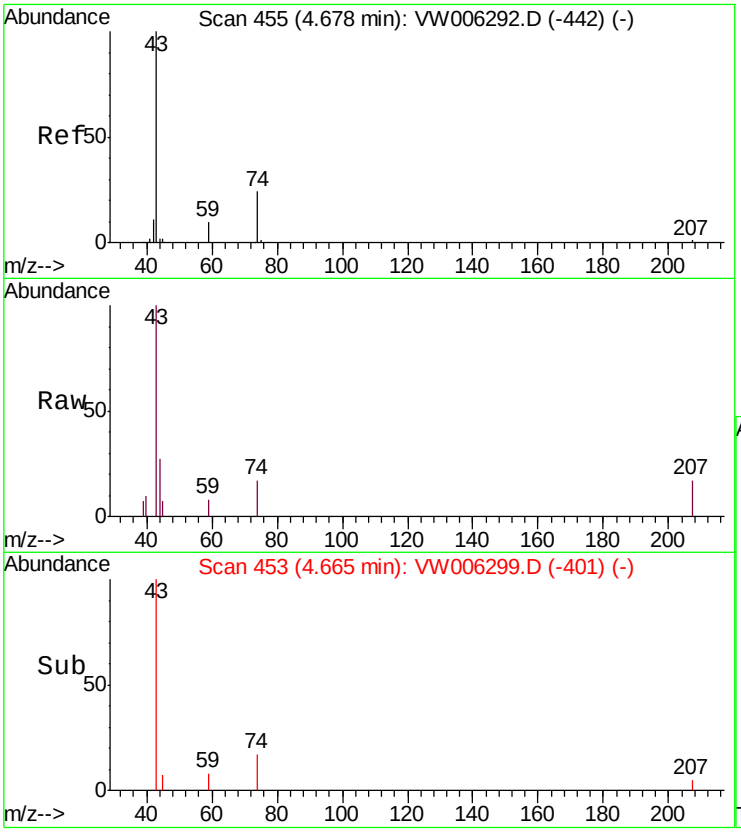




#14
Carbon disulfide
Concen: 0.976 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 76 Resp: 12479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.4 | 7.6 | 11.4# |



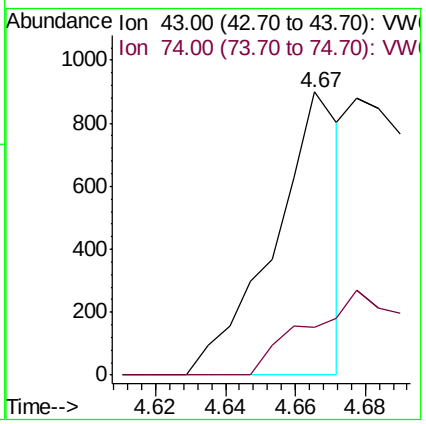


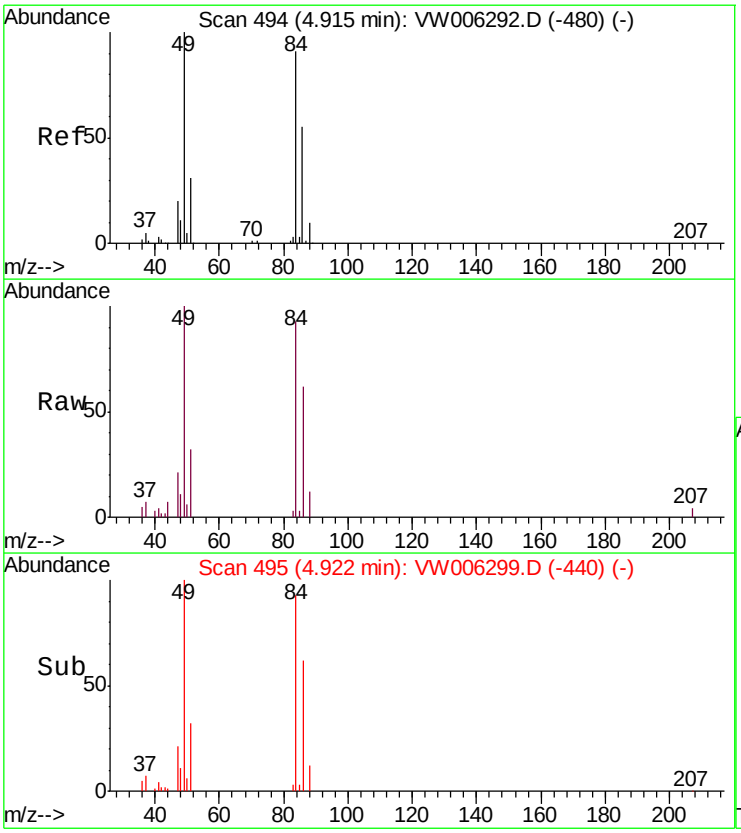

#15
Methyl Acetate
Concen: 0.570 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 43 Resp: 1187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 45.5 | 19.4 | 29.2# |

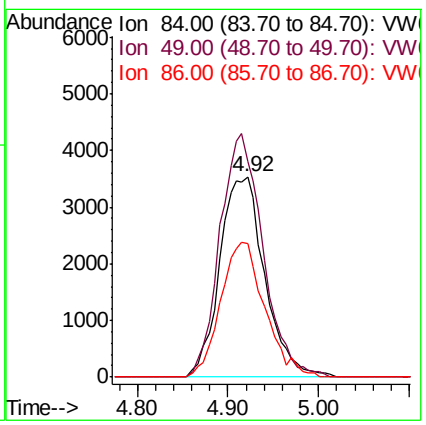


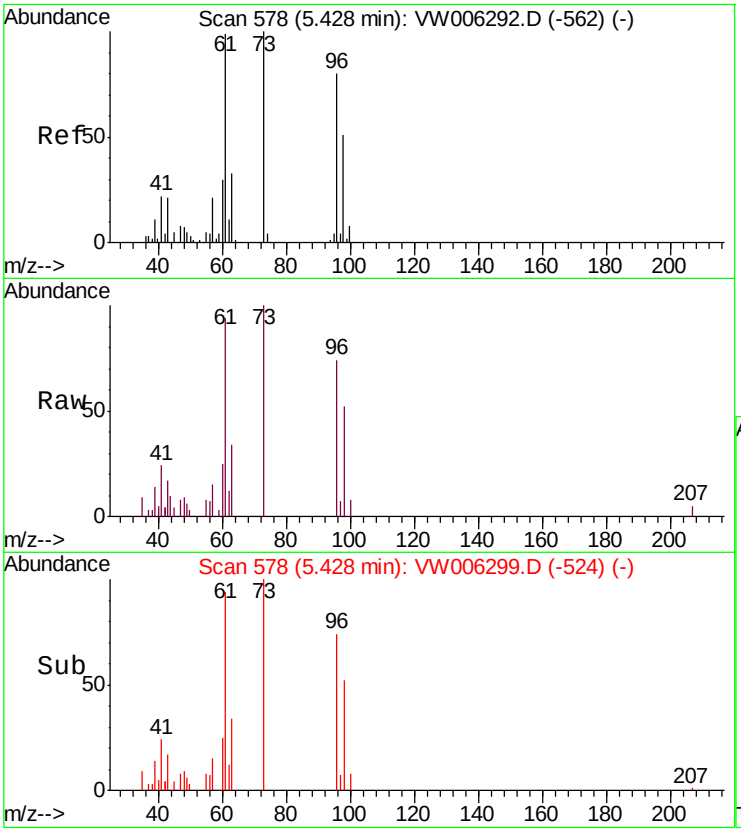




#16
Methylene chloride
Concen: 2.769 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 84 Resp: 12179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 107.6 | 83.5 | 155.1 |
| 86 | 66.4 | 44.9 | 83.5 |



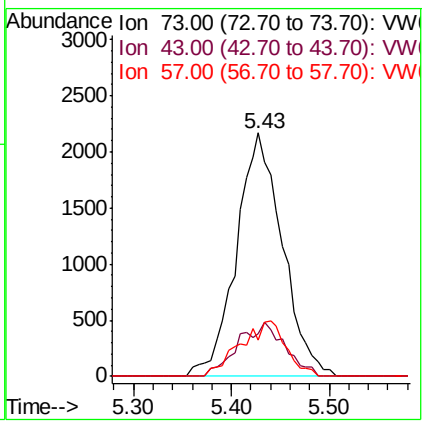


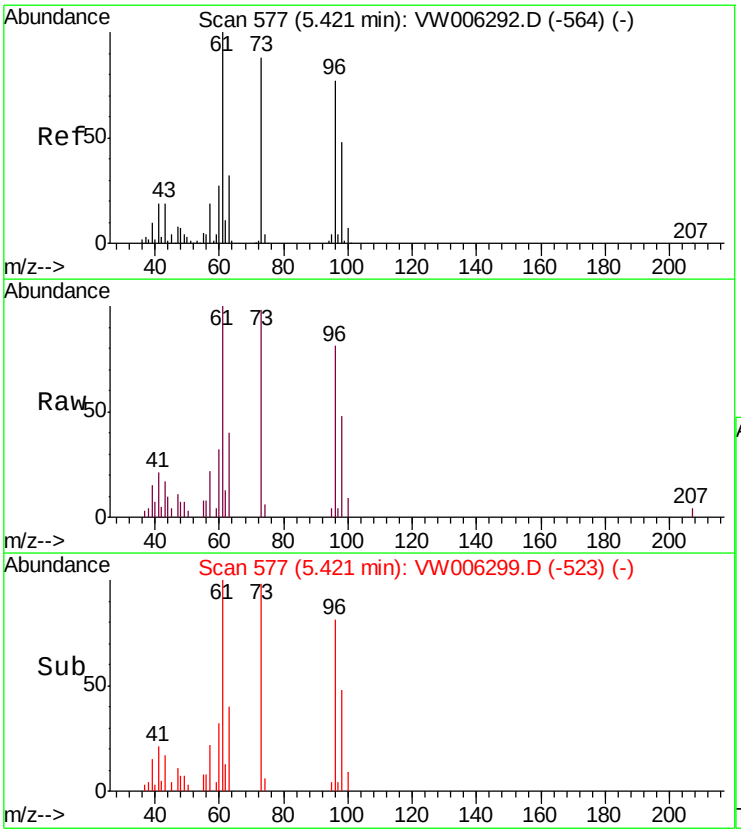

#17
Methyl tert-butyl Ether
Concen: 1.111 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 73 Resp: 7076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 10.0 | 17.0 | 25.4# |
| 57 | 12.0 | 17.1 | 25.7# |

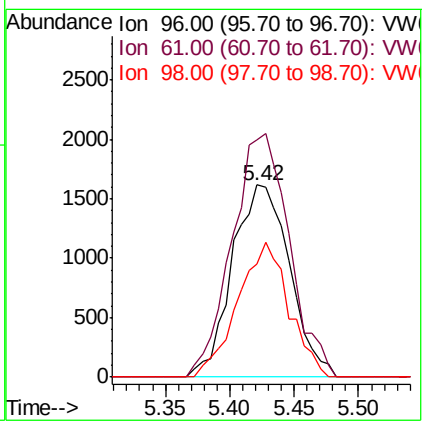


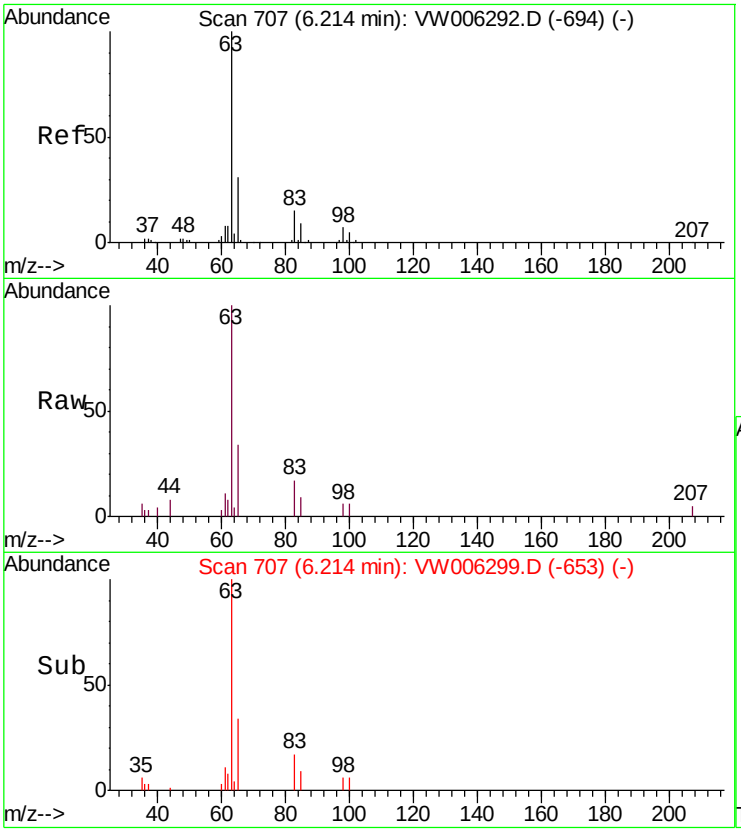




#18
trans-1,2-Dichloroethene
Concen: 1.152 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 96 Resp: 4989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 123.5 | 89.0 | 165.2 |
| 98 | 59.1 | 42.4 | 78.6 |



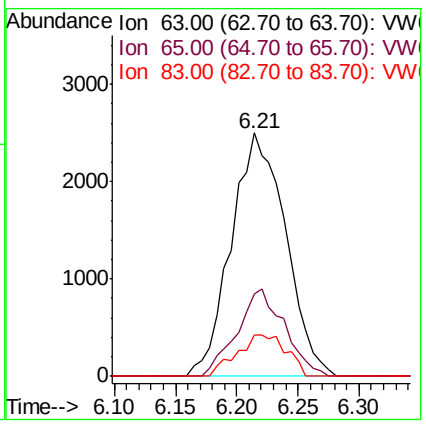


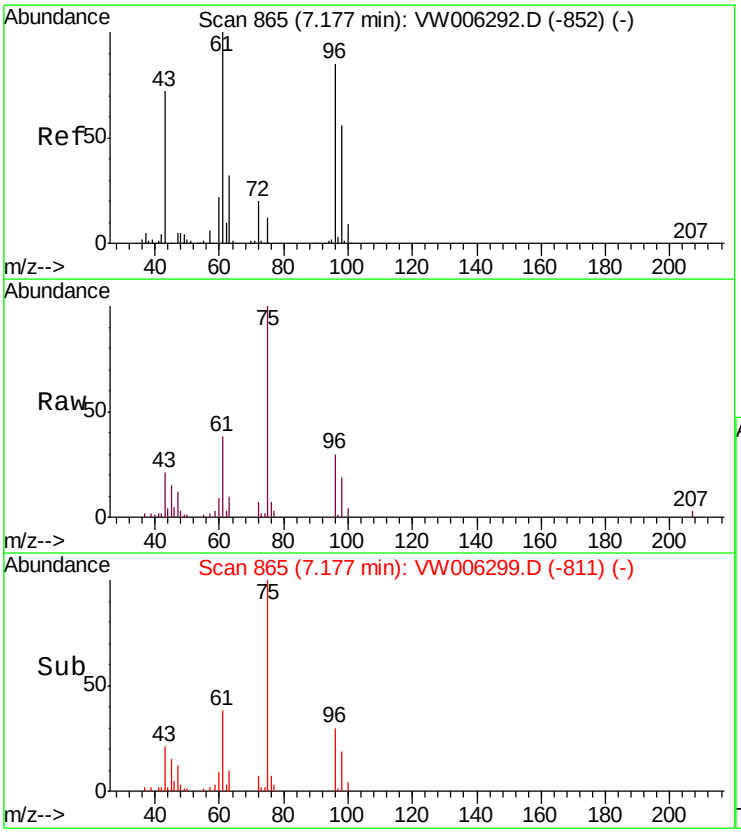

#19
1,1-Dichloroethane
Concen: 1.100 ug/L
RT: 6.21 min Scan# 707
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 63 Resp: 7706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.9 | 22.3 | 41.5 |
| 83 | 16.8 | 9.7 | 18.1 |

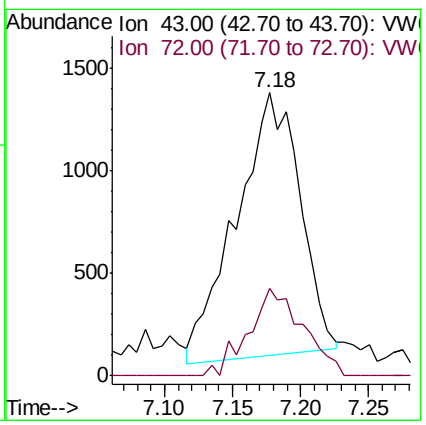


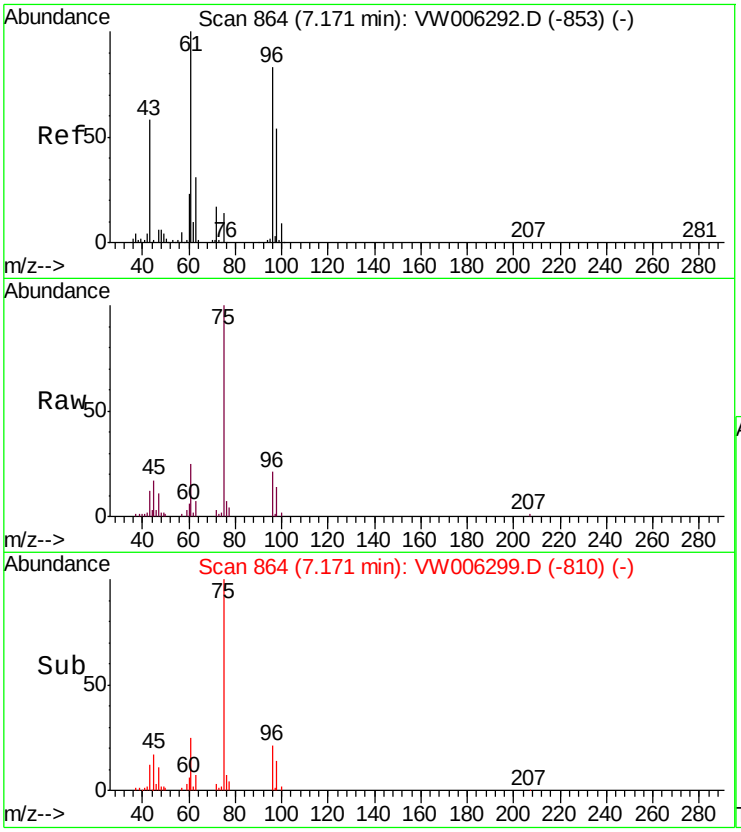




#21
2-Butanone
Concen: 2.444 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 43 Resp: 4178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.1 | 13.8 | 41.4 |



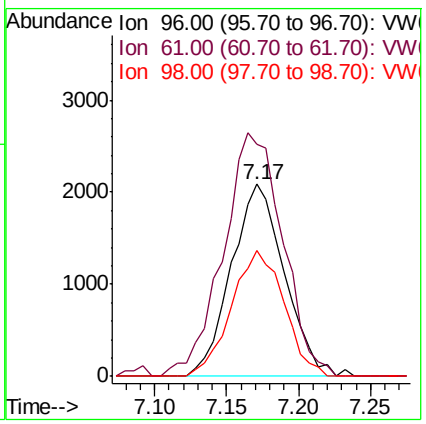


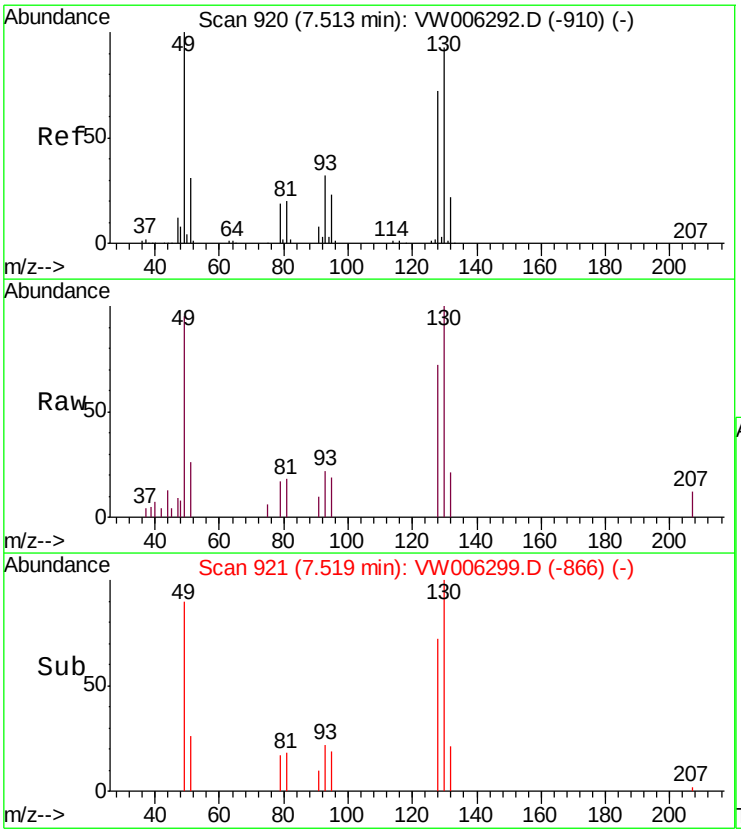

#22
cis-1,2-Dichloroethene
Concen: 1.127 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 96 Resp: 5326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.8 | 85.1 | 158.1 |
| 98 | 65.6 | 46.3 | 86.1 |

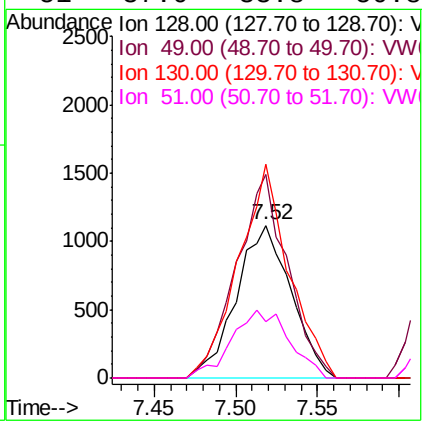


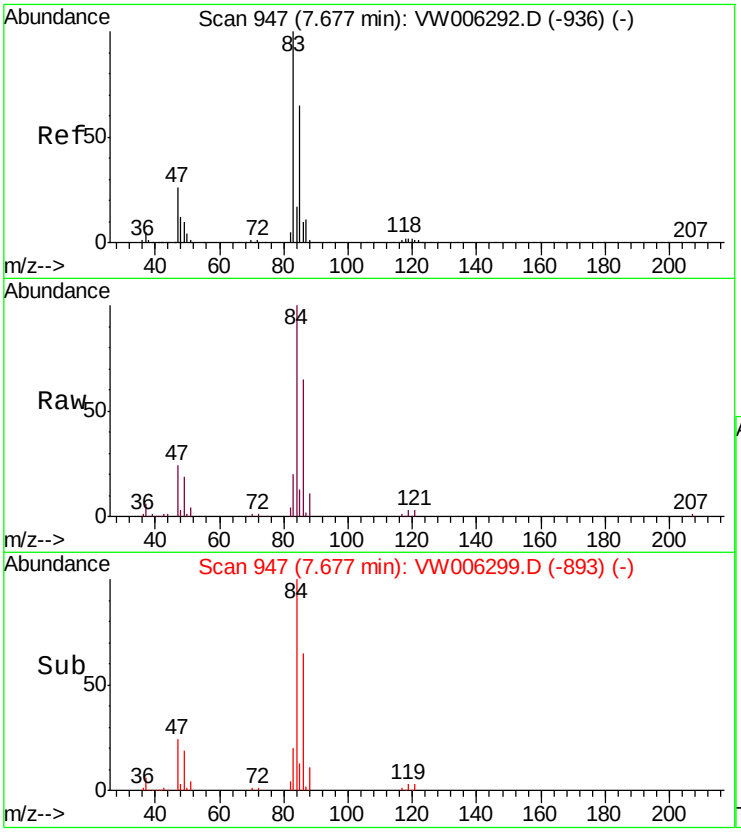




#23
Bromochloromethane
Concen: 1.175 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:128 Resp: 2611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 133.1 | 95.2 | 176.8 |
| 130 | 139.8 | 86.3 | 160.3 |
| 51 | 37.0 | 33.8 | 50.8 |



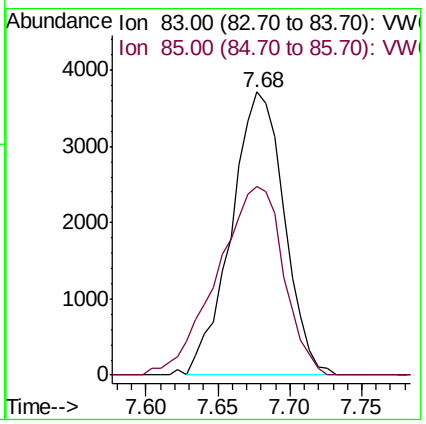


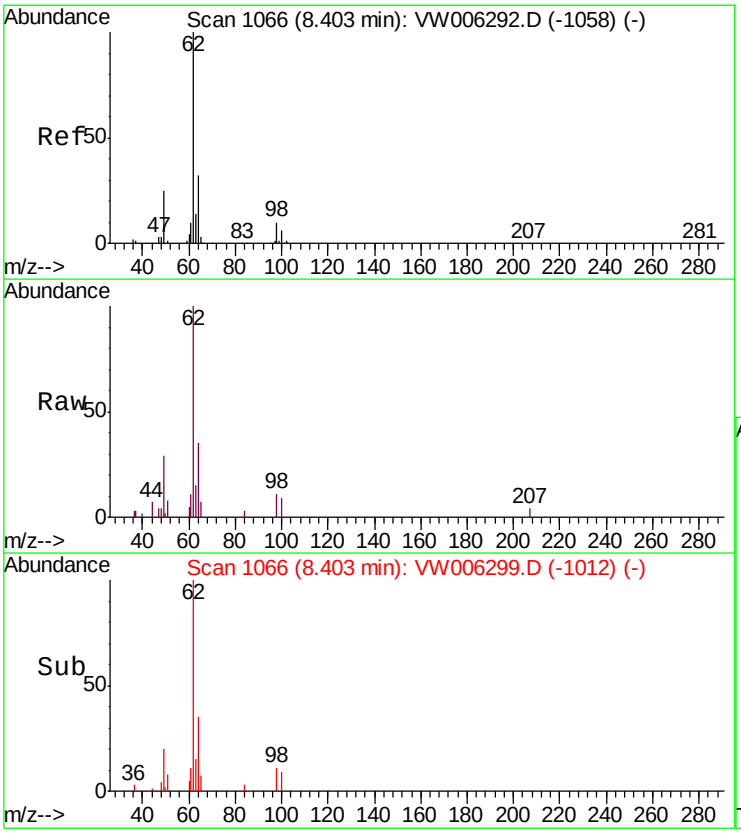

#25
Chloroform
Concen: 1.257 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 83 Resp: 9482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 83.4 | 46.3 | 85.9 |

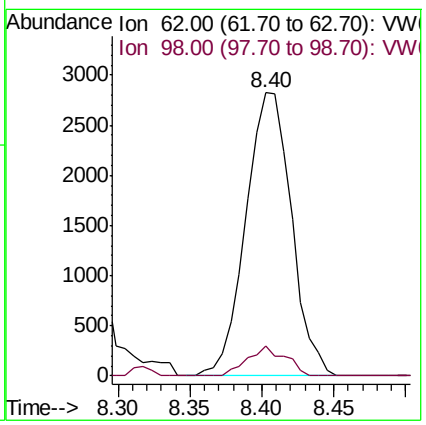


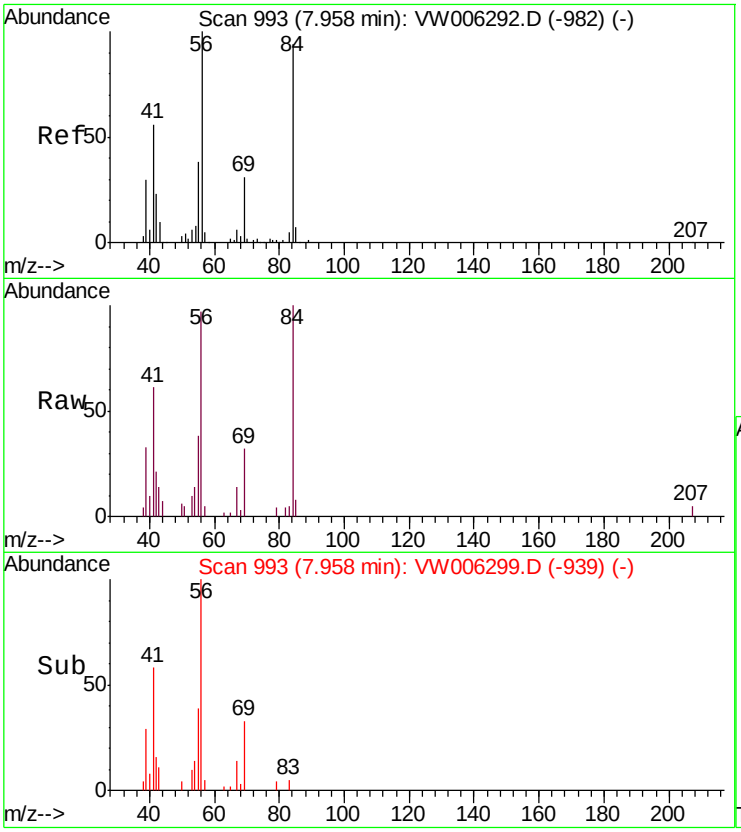




#27
1,2-Dichloroethane
Concen: 1.207 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 62 Resp: 6209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.6 | 8.0 | 12.0 |



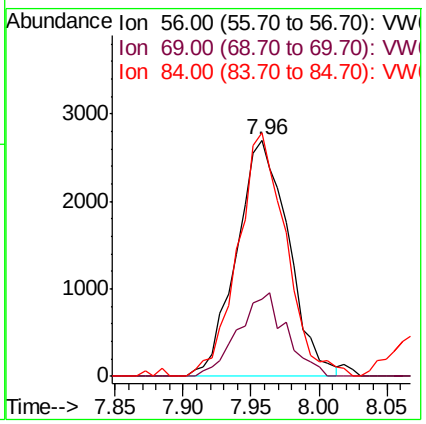


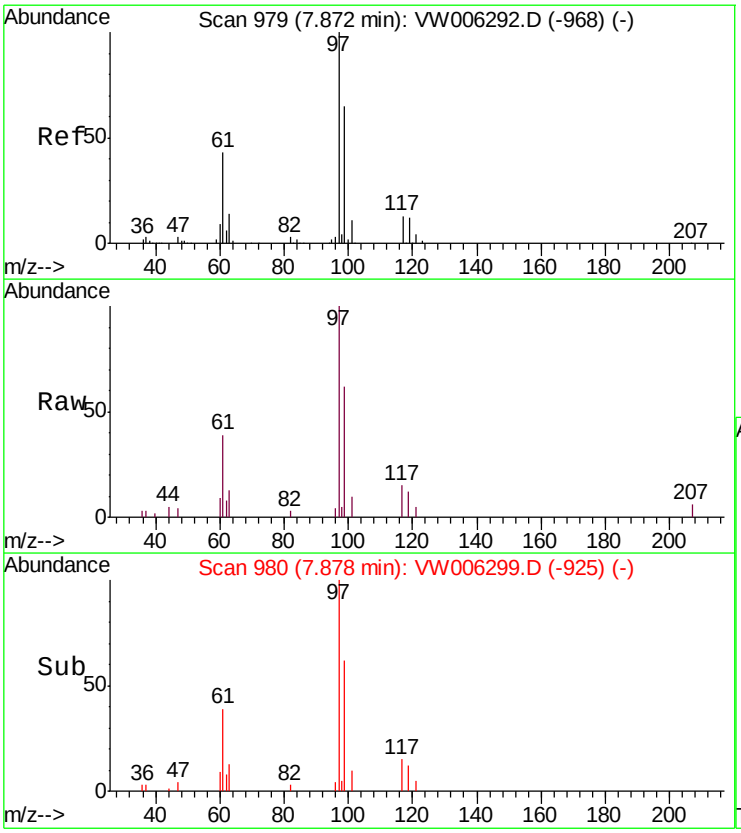

#30
Cyclohexane
Concen: 1.051 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 56 Resp: 7187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.8 | 25.4 | 38.0 |
| 84 | 95.9 | 73.9 | 110.9 |

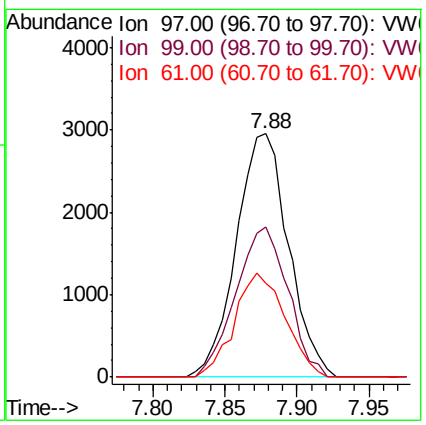


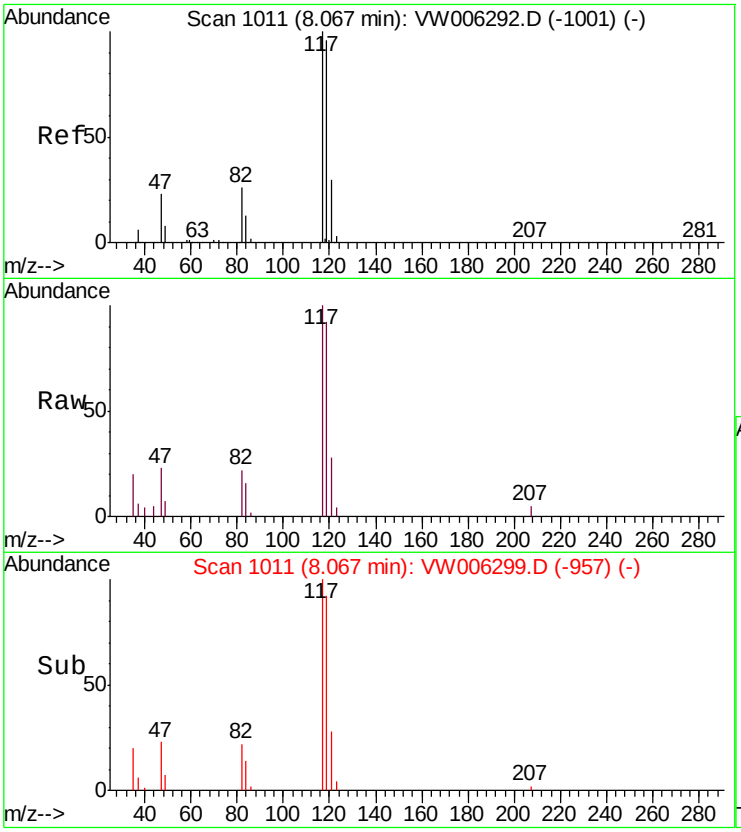




#31
1,1,1-Trichloroethane
Concen: 1.141 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 97 Resp: 7431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.4 | 51.0 | 76.4 |
| 61 | 41.8 | 33.6 | 50.4 |



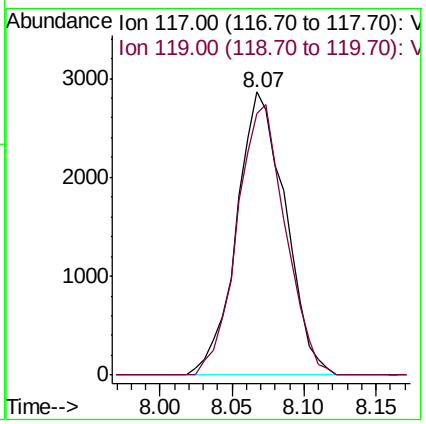


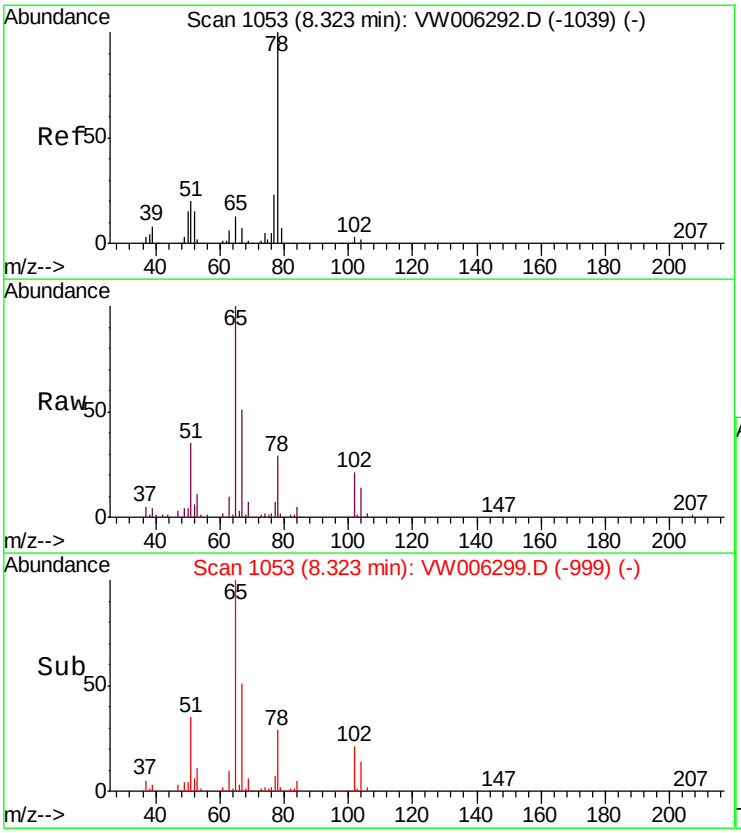

#32
Carbon tetrachloride
Concen: 1.053 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:117 Resp: 6725

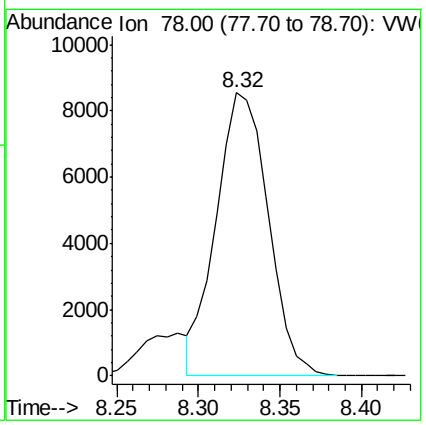
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.4 | 76.9 | 115.3 |

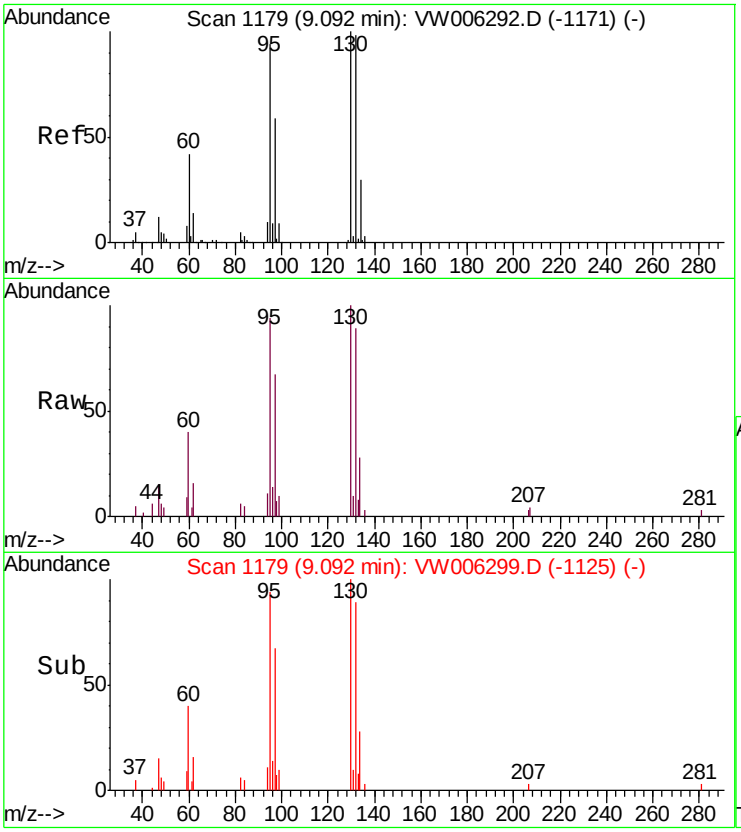



#34
Benzene
Concen: 1.191 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 78 Resp: 19020



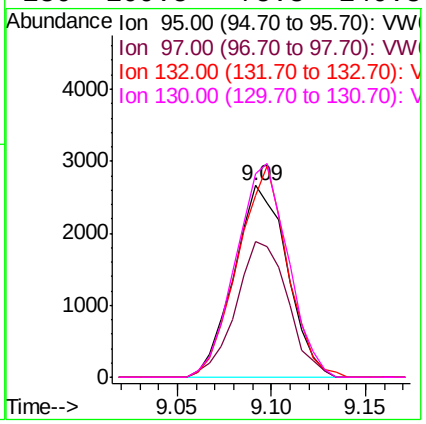


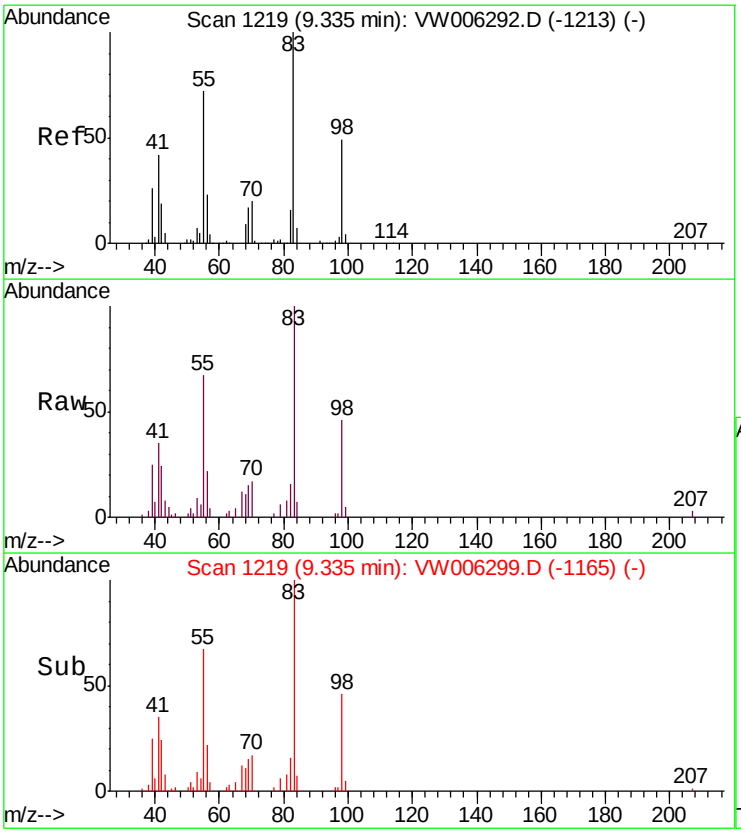

#35
Trichloroethene
Concen: 1.156 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 95 Resp: 5194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 69.6 | 45.8 | 85.0 |
| 132 | 103.3 | 72.9 | 135.3 |
| 130 | 109.5 | 75.8 | 140.8 |

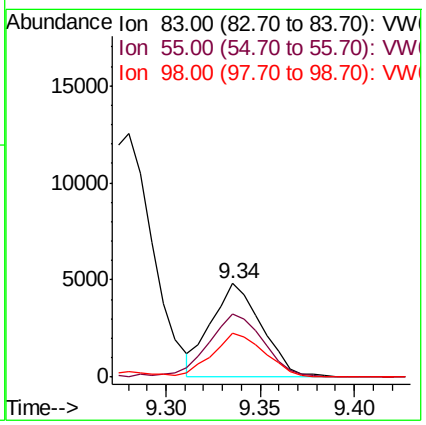


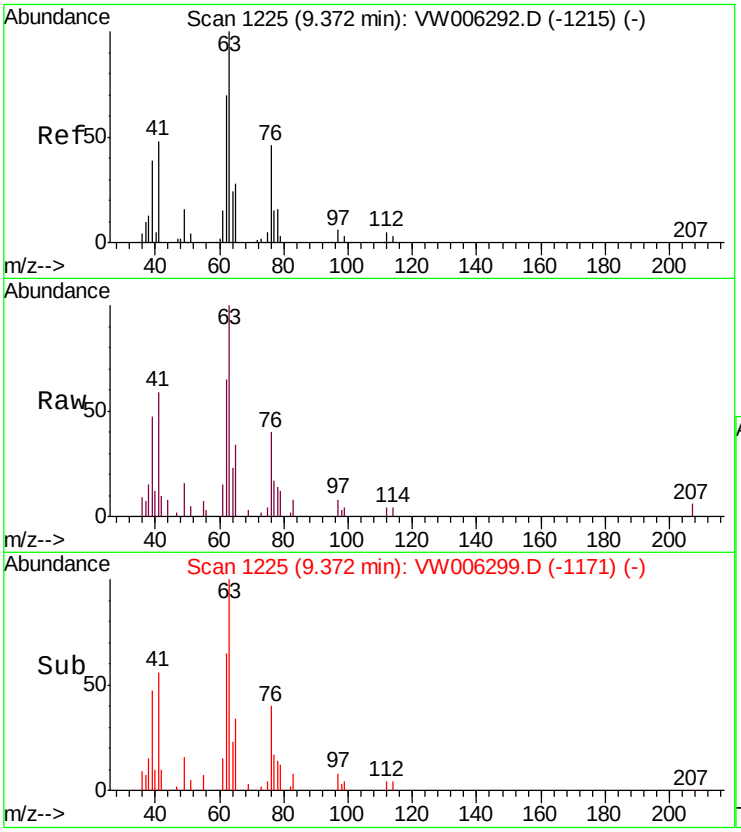




#36
Methylcyclohexane
Concen: 1.090 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 83 Resp: 8976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.6 | 57.1 | 85.7 |
| 98 | 48.0 | 38.9 | 58.3 |



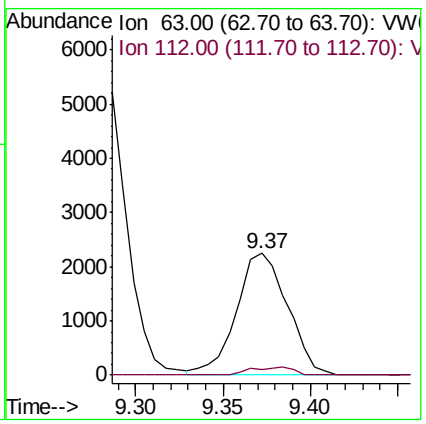


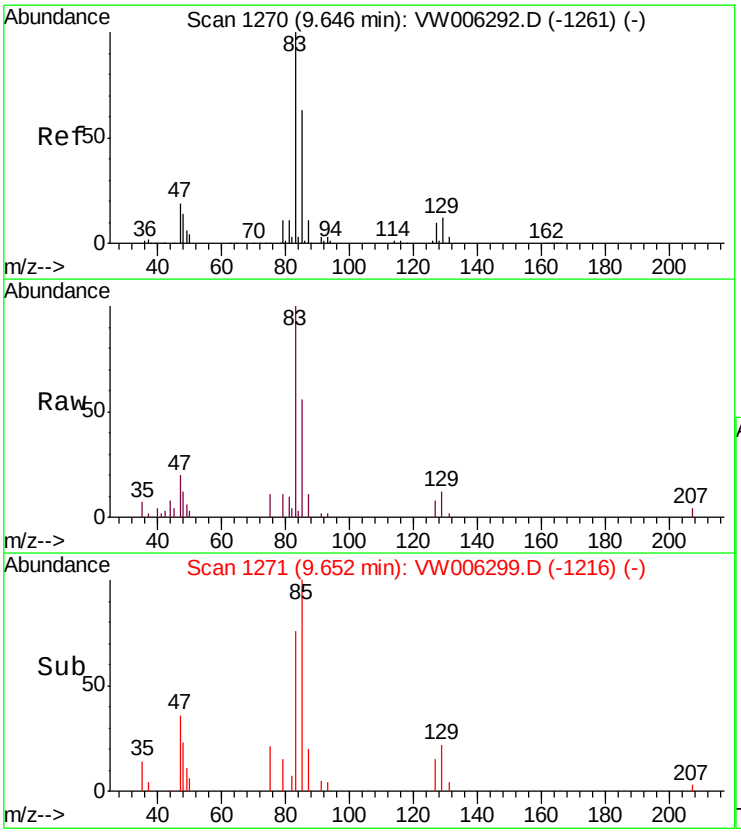

#40
1,2-Dichloropropane
Concen: 1.155 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Tgt Ion: 63 Resp: 4578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 2.4 | 3.5 | 5.3# |

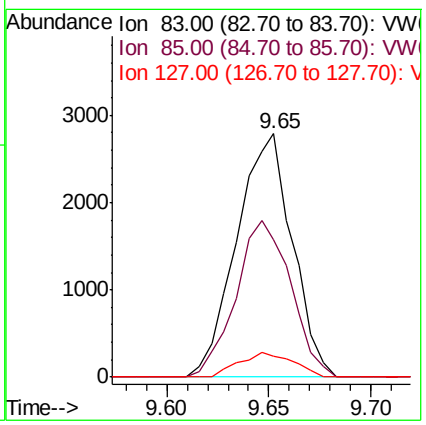


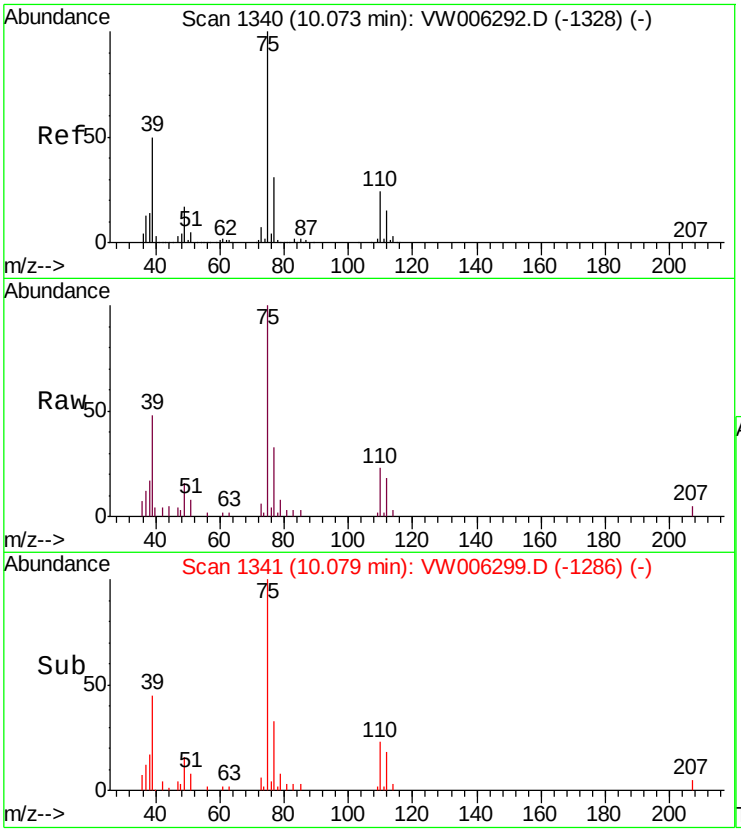




#41
Bromodichloromethane
Concen: 0.987 ug/L
RT: 9.65 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 83 Resp: 5280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 56.4 | 45.5 | 84.5 |
| 127 | 8.3 | 7.4 | 11.2 |



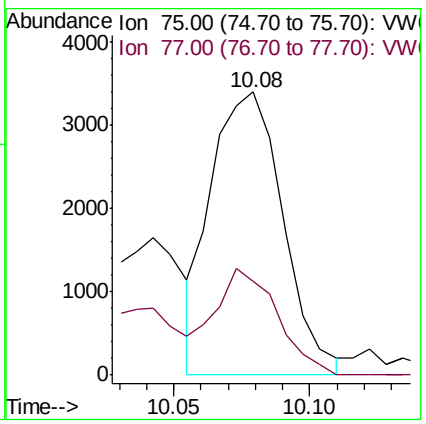


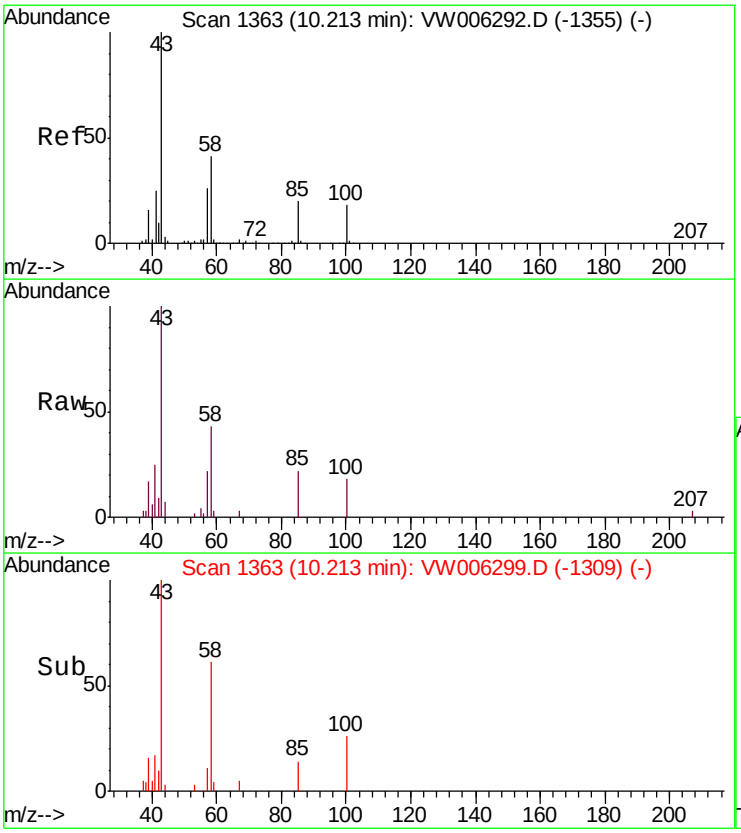

#42
cis-1,3-Dichloropropene
Concen: 0.962 ug/L
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 75 Resp: 6226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 22.6 | 42.0 |

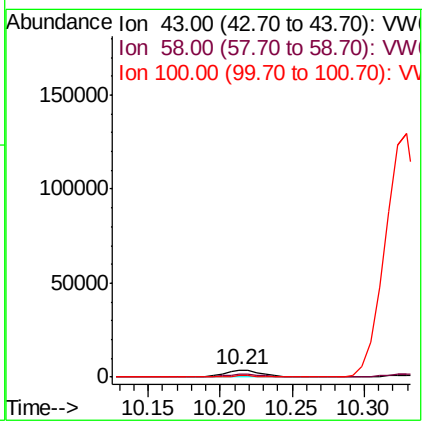


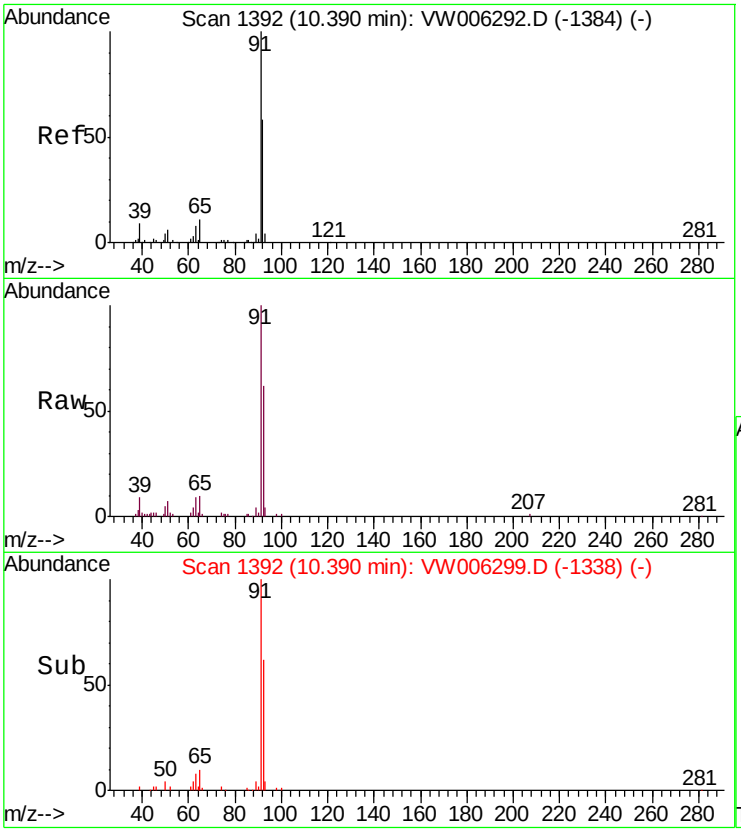




#43
4-Methyl-2-pentanone
Concen: 2.245 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 43 Resp: 7129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 31.4 | 47.2 |
| 100 | 15.5 | 13.3 | 19.9 |



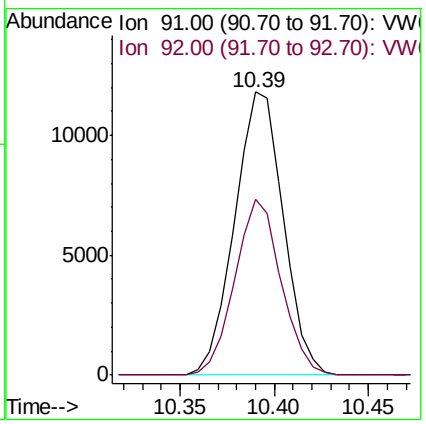


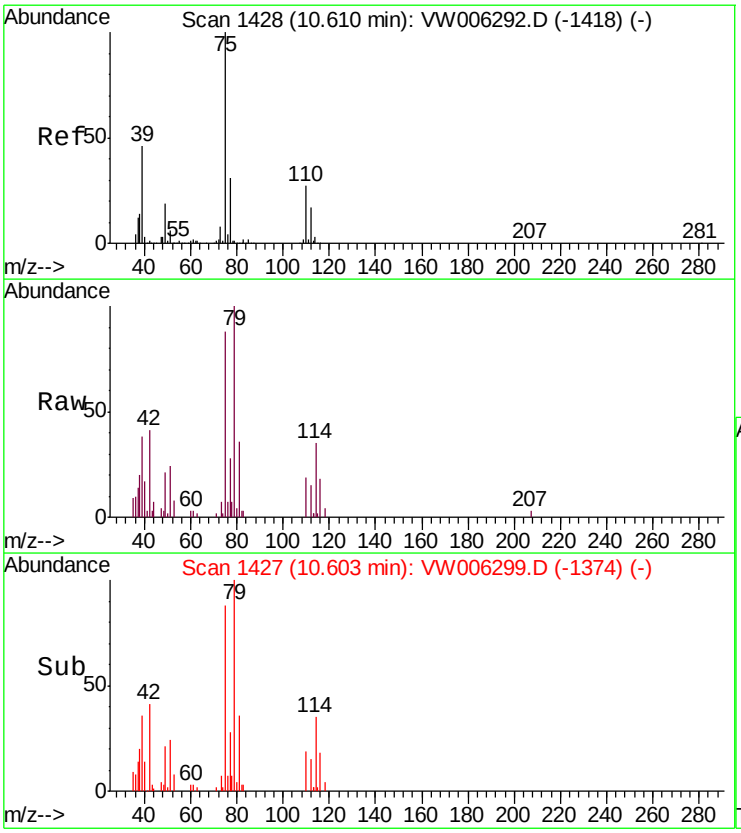

#44
Toluene
Concen: 1.176 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 91 Resp: 21093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 62.0 | 40.4 | 75.0 |

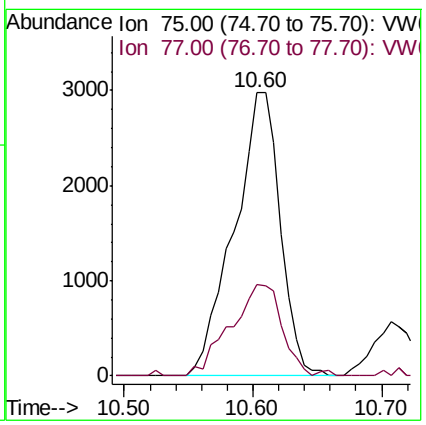


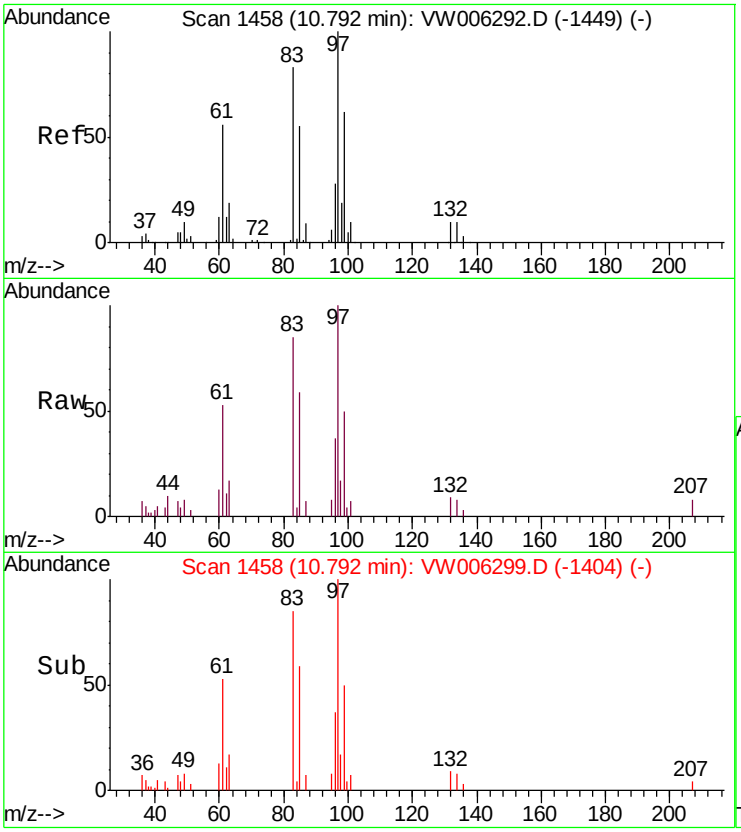




#45
trans-1,3-Dichloropropene
Concen: 1.304 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 75 Resp: 7373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 22.4 | 41.6 |



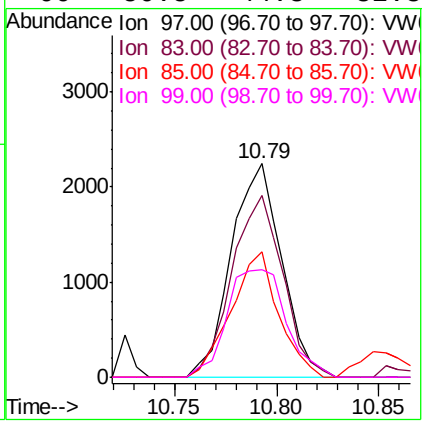


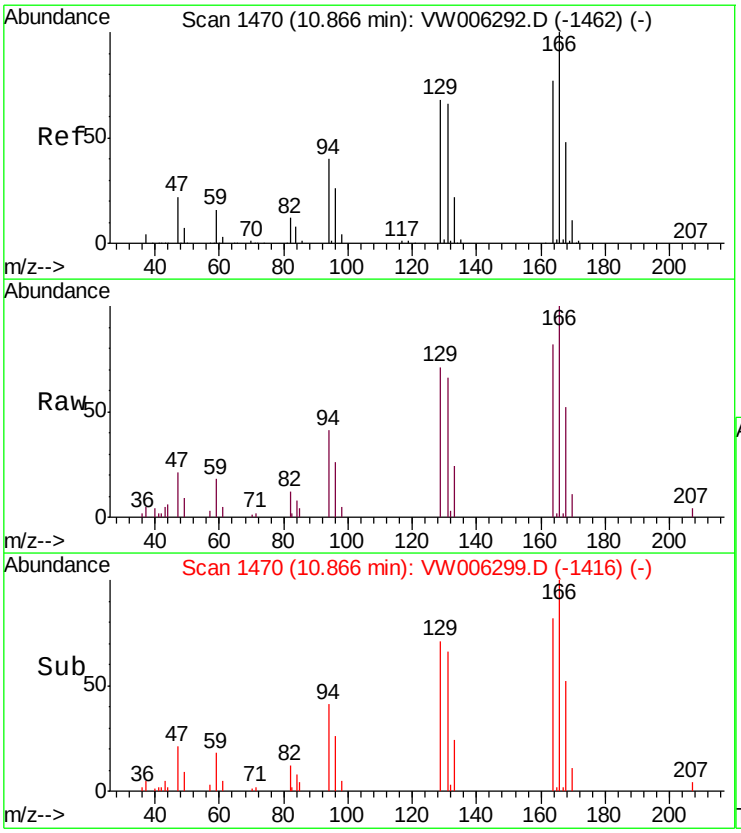

#46
1,1,2-Trichloroethane
Concen: 1.168 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Tgt Ion: 97 Resp: 3854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.4 | 60.0 | 111.4 |
| 85 | 58.6 | 38.7 | 71.9 |
| 99 | 50.5 | 44.3 | 82.3 |

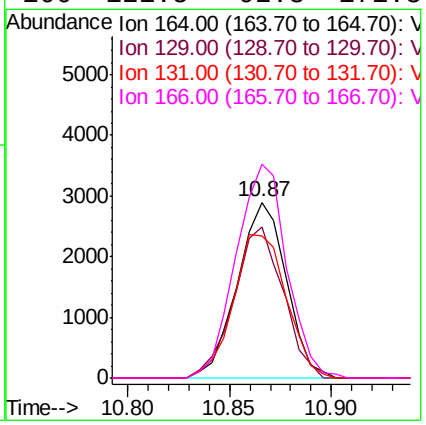


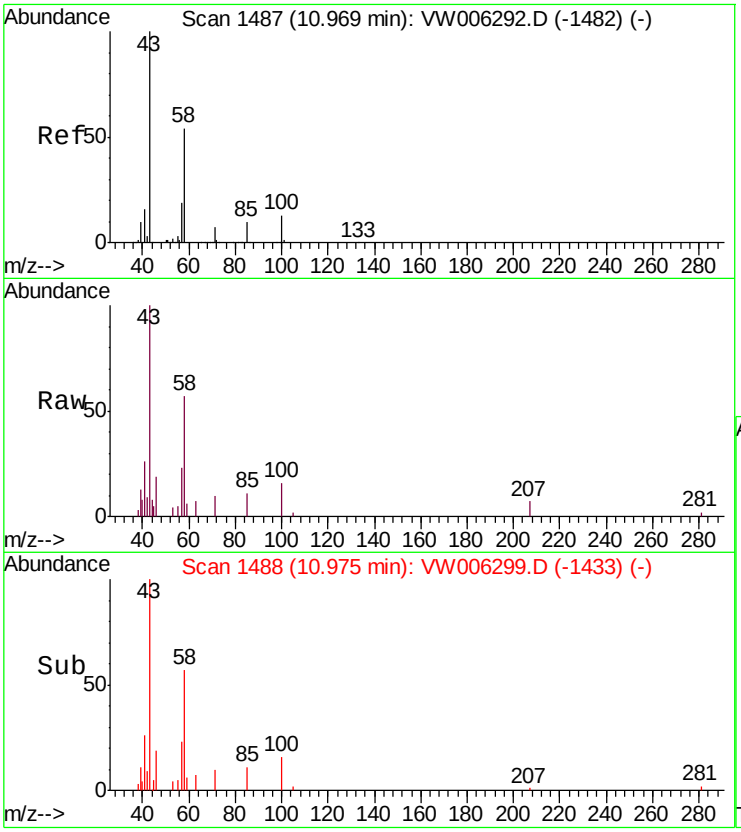




#47
Tetrachloroethene
Concen: 1.161 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:164 Resp: 4832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 86.3 | 65.4 | 121.4 |
| 131 | 80.6 | 63.8 | 118.4 |
| 166 | 121.5 | 92.3 | 171.3 |



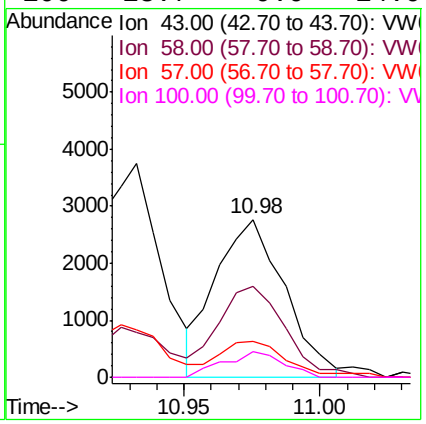


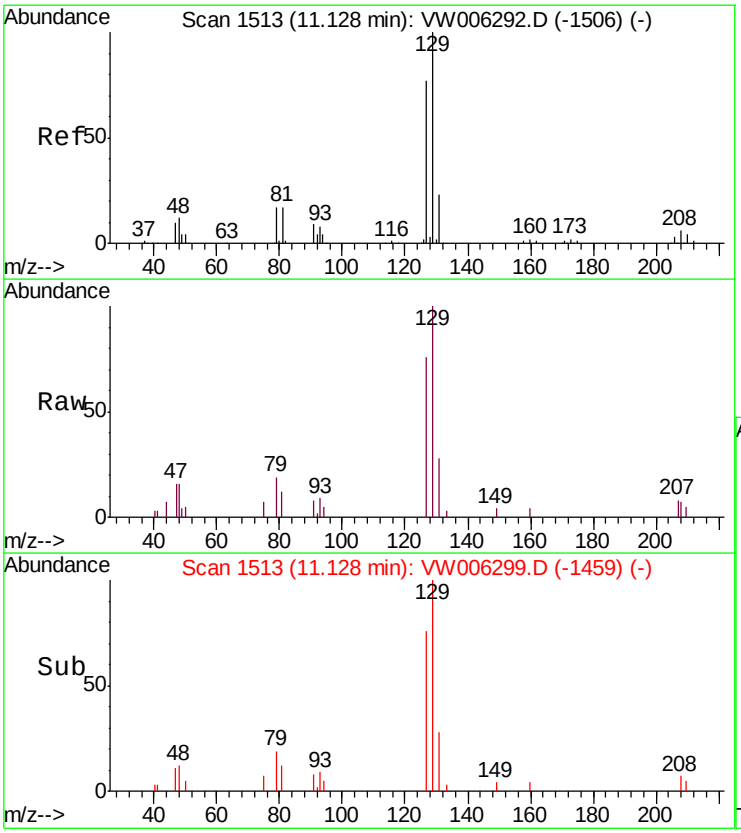

#49
2-Hexanone
Concen: 2.073 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 43 Resp: 4851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.2 | 42.1 | 63.1 |
| 57 | 19.0 | 15.1 | 22.7 |
| 100 | 13.7 | 9.9 | 14.9 |

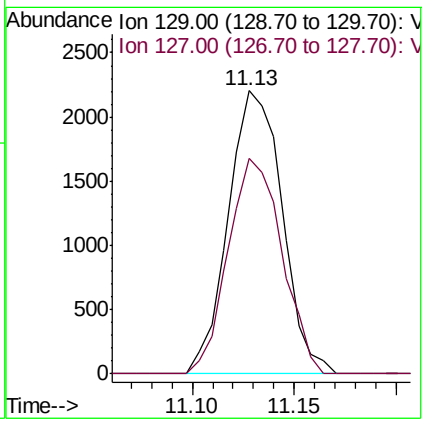


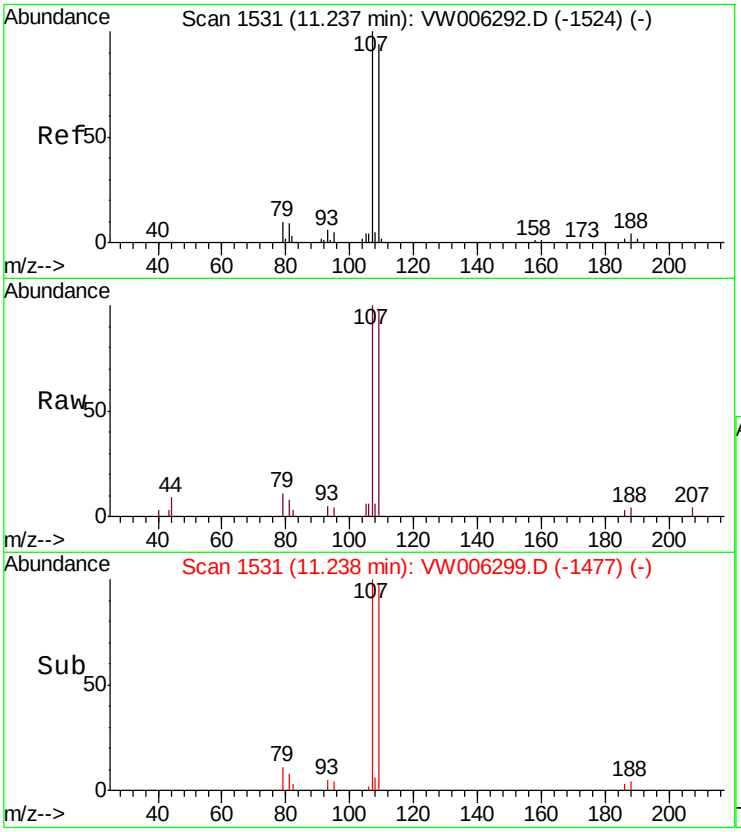




#50
Dibromochloromethane
Concen: 0.956 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:129 Resp: 4043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 54.4 | 101.0 |



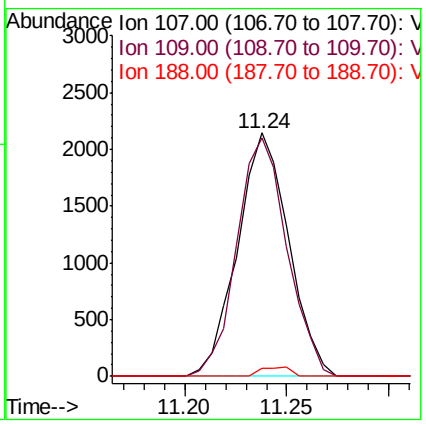


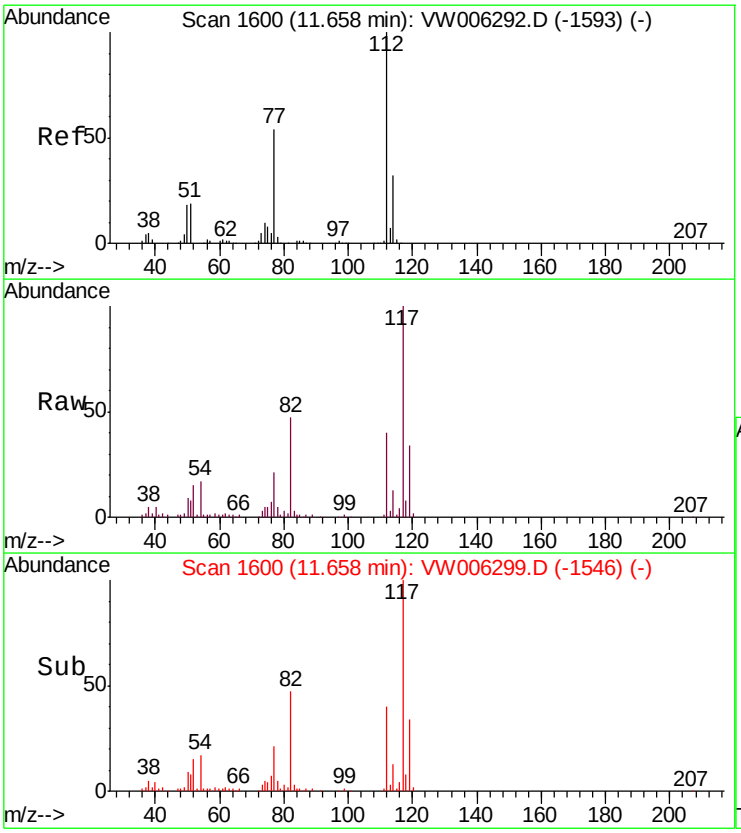

#51
1,2-Dibromoethane
Concen: 1.090 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:107 Resp: 3744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 97.8 | 66.6 | 123.8 |
| 188 | 3.6 | 3.4 | 5.0 |

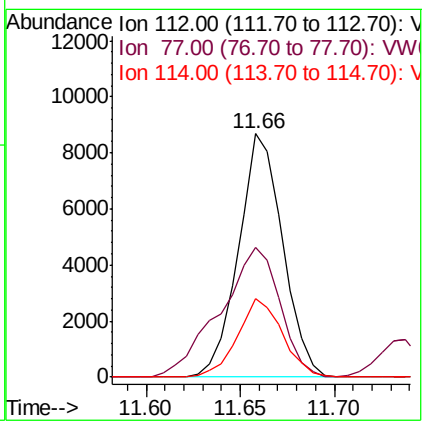


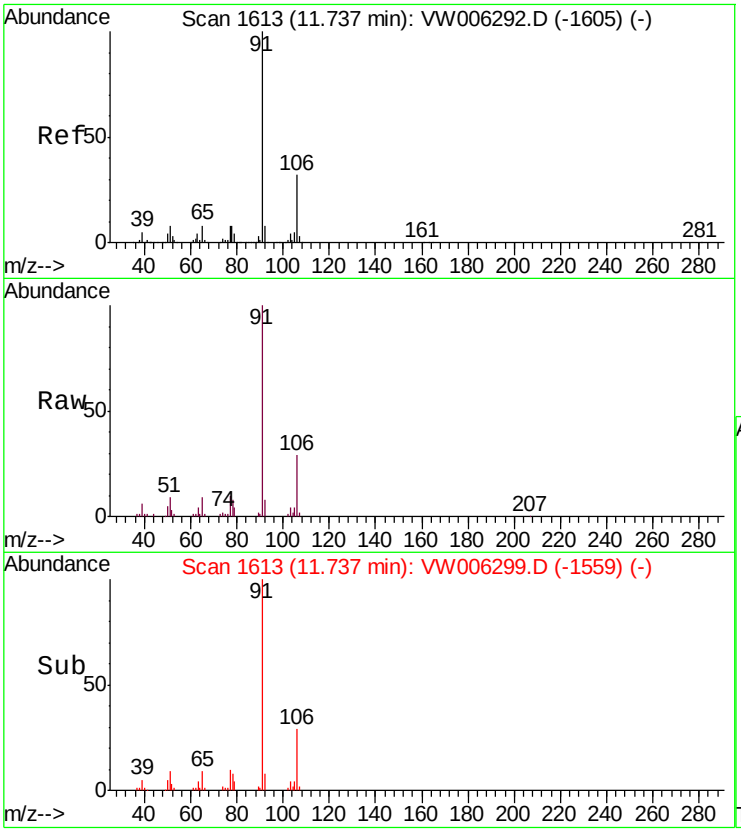




#52
Chlorobenzene
Concen: 1.161 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:112 Resp: 14092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 53.3 | 44.2 | 66.2 |
| 114 | 32.1 | 22.1 | 41.1 |



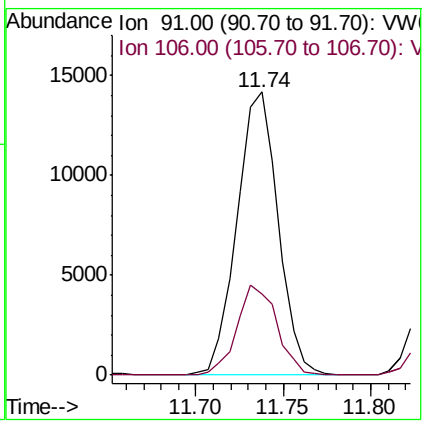


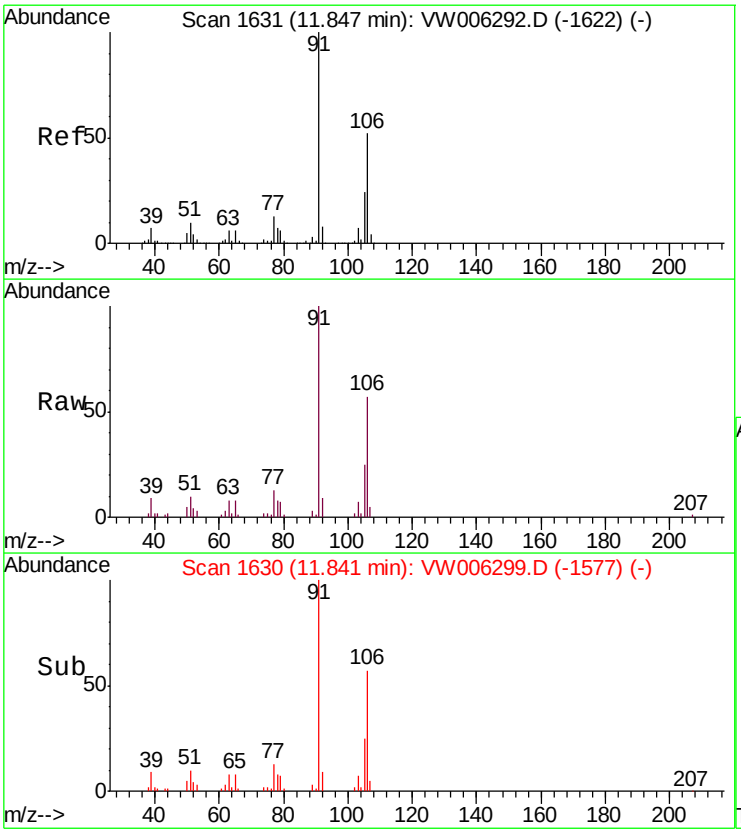

#53
Ethylbenzene
Concen: 1.114 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Tgt Ion: 91 Resp: 23263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.8 | 22.6 | 42.0 |

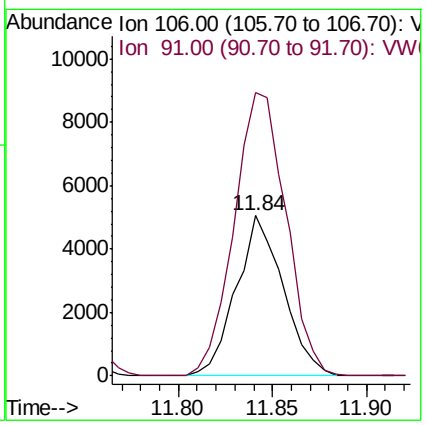


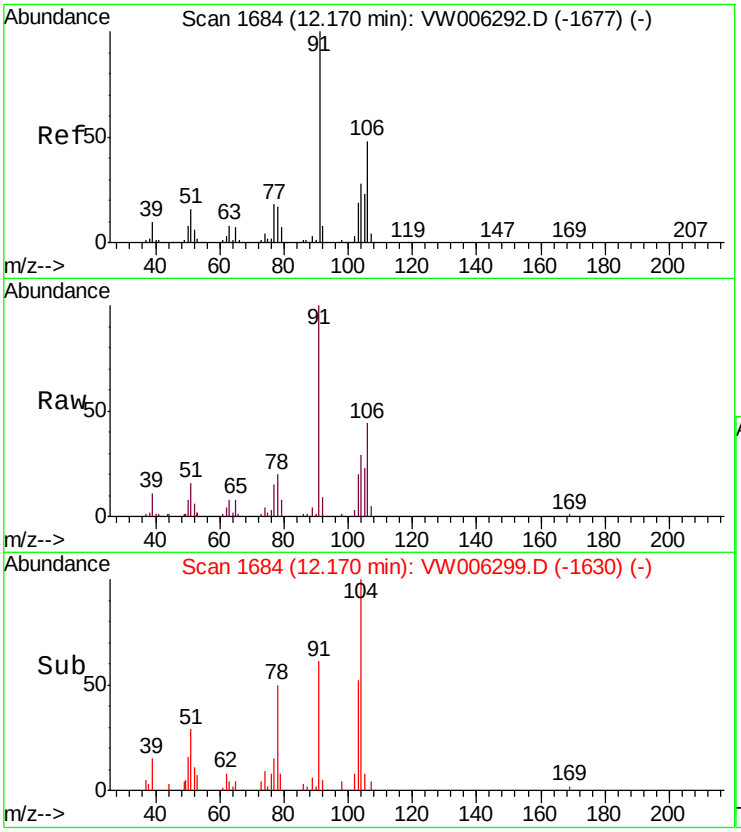




#54
m,p-Xylene
Concen: 1.066 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:106 Resp: 8721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 176.7 | 138.4 | 257.0 |



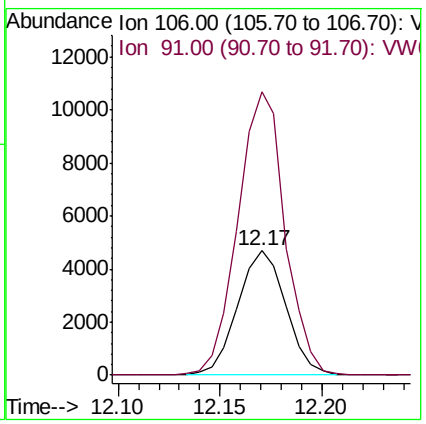


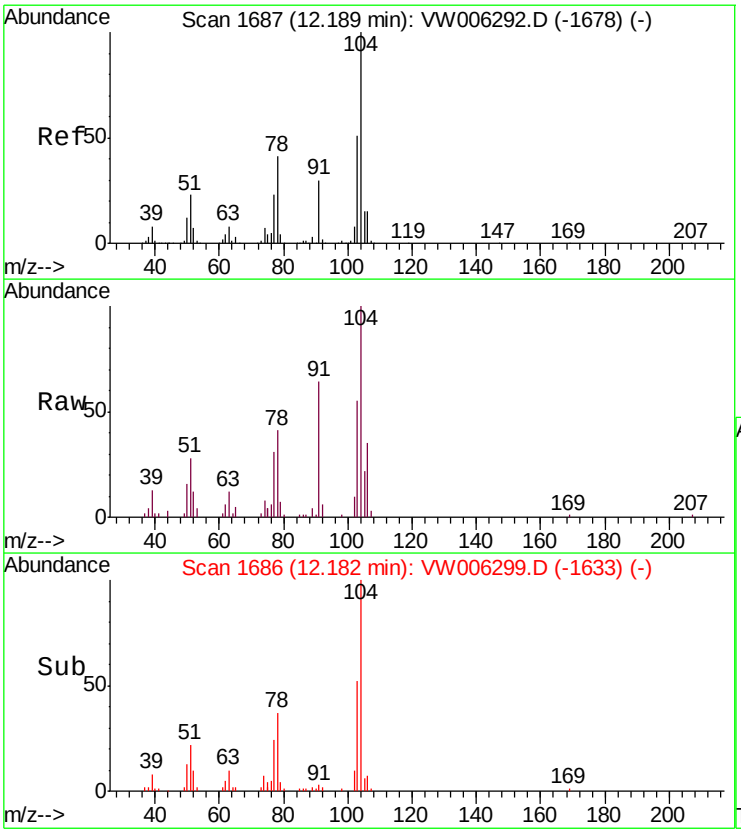

#55
o-xylene
Concen: 0.983 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:106 Resp: 7679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 227.4 | 148.7 | 276.1 |

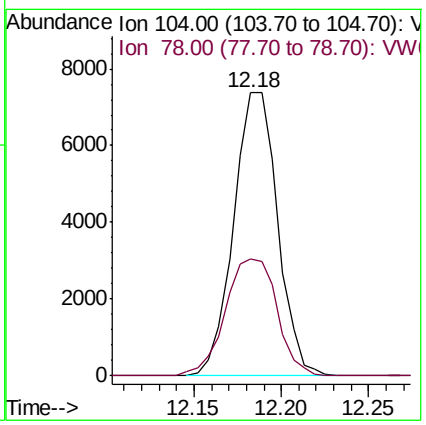


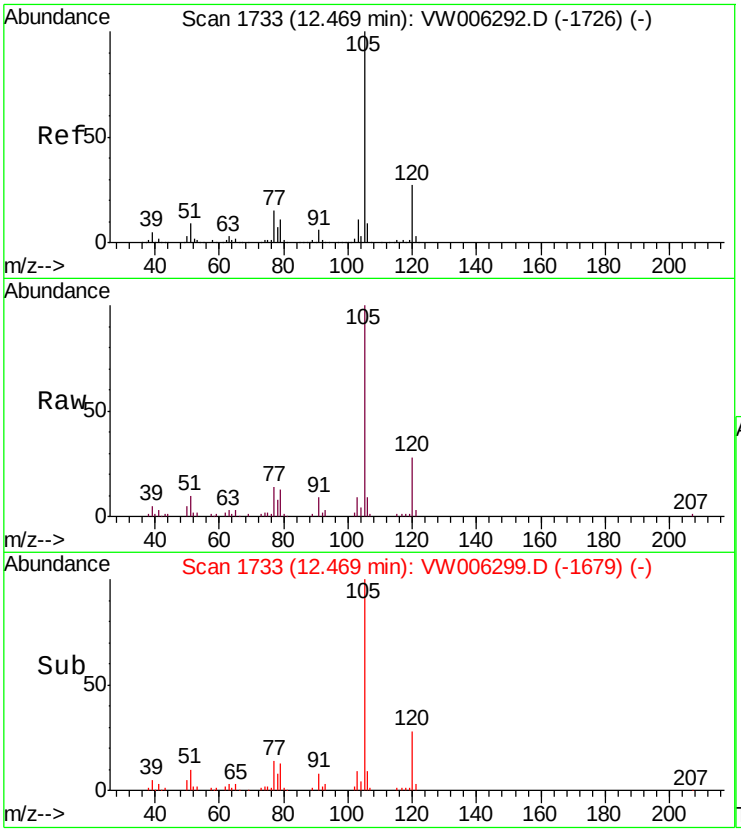




#56
Styrene
Concen: 0.962 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:104 Resp: 12941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 41.3 | 31.2 | 58.0 |



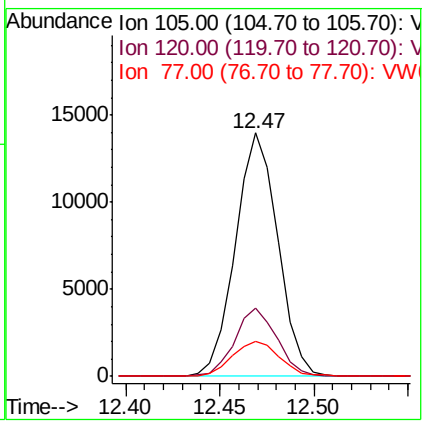


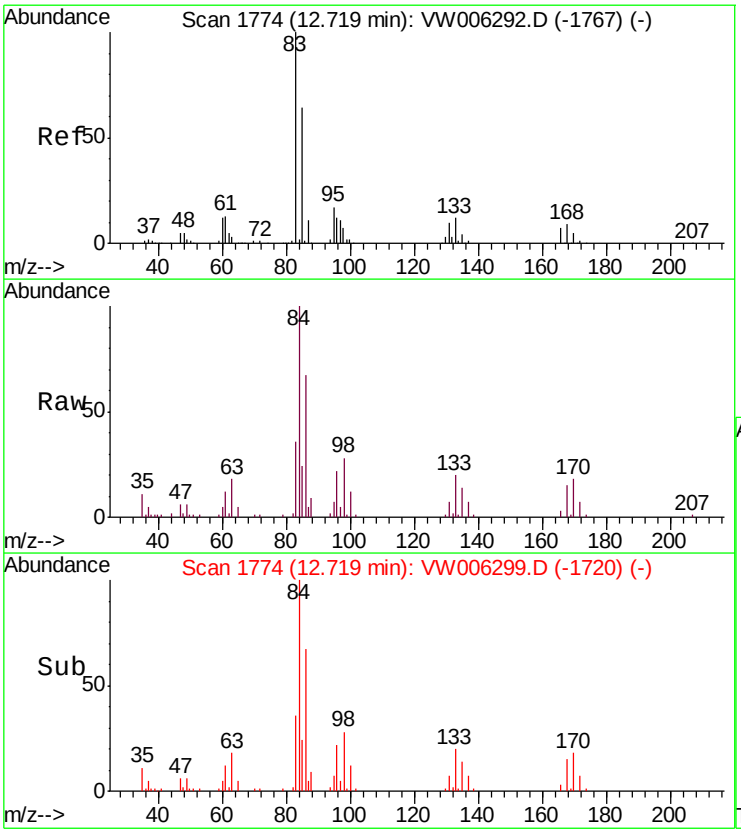

#57
Isopropylbenzene
Concen: 1.001 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:105 Resp: 21776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.6 | 21.8 | 32.6 |
| 77 | 16.0 | 12.2 | 18.2 |

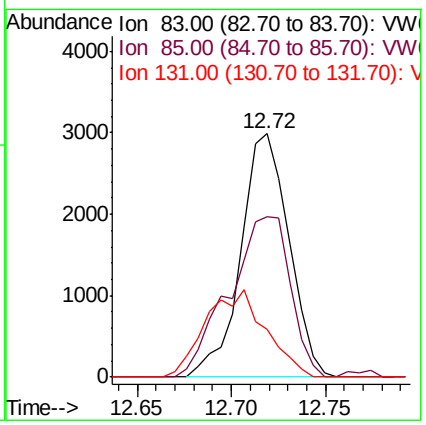


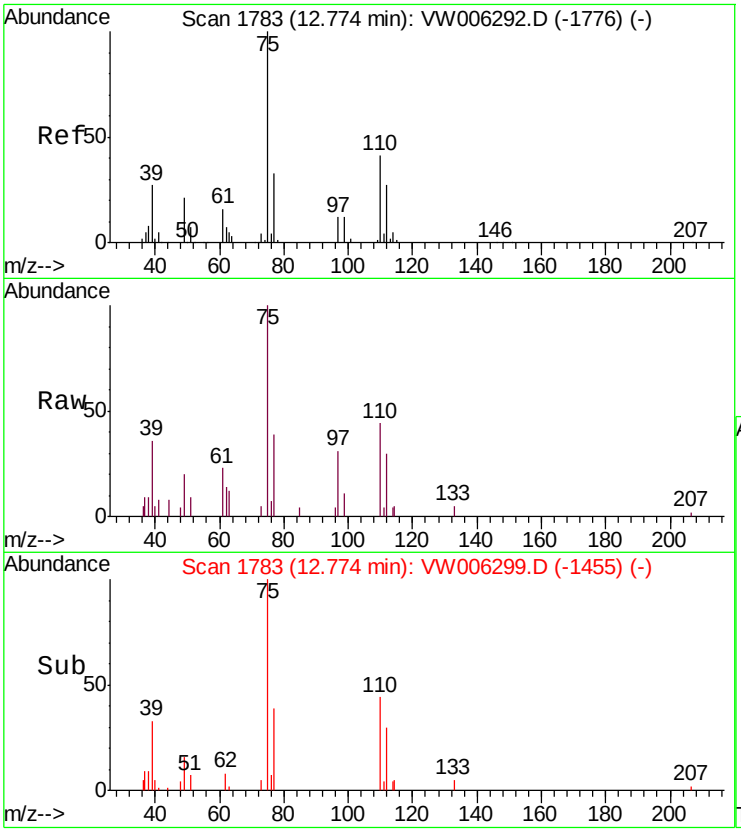




#58
1,1,2,2-Tetrachloroethane
Concen: 1.232 ug/L
RT: 12.72 min Scan# 1774
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 83 Resp: 5281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.9 | 44.8 | 83.2 |
| 131 | 19.4 | 9.0 | 13.4# |



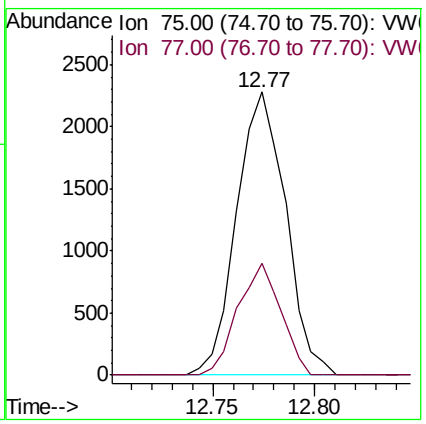


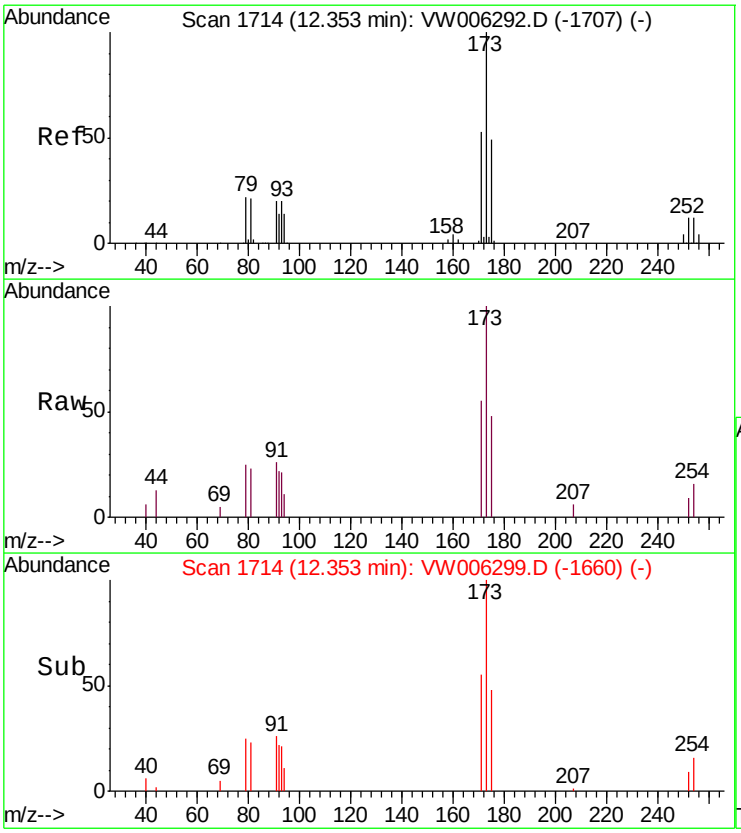

#59
1,2,3-Trichloropropane
Concen: 1.190 ug/L
RT: 12.77 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion: 75 Resp: 3806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.8 | 25.9 | 38.9 |

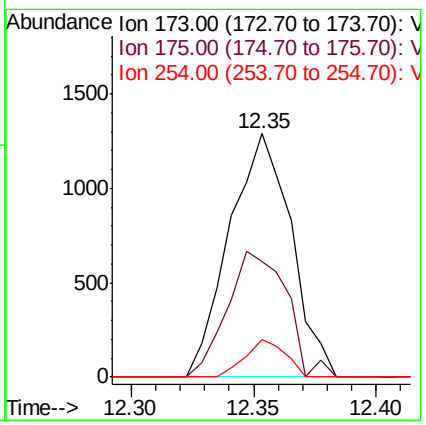


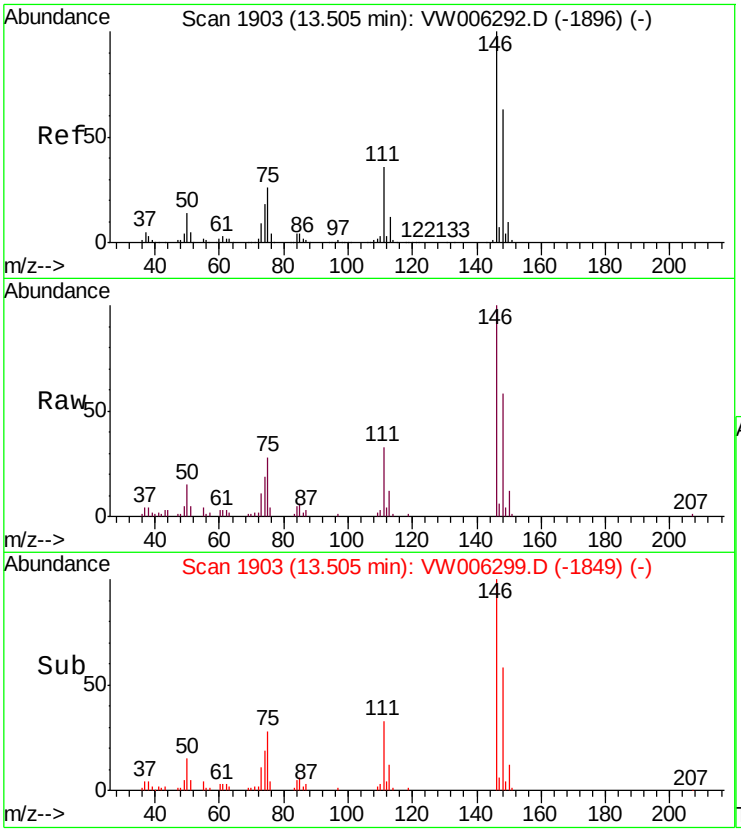




#62
Bromoform
Concen: 0.816 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:173 Resp: 2270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 39.1 | 58.7 |
| 254 | 10.2 | 9.2 | 13.8 |



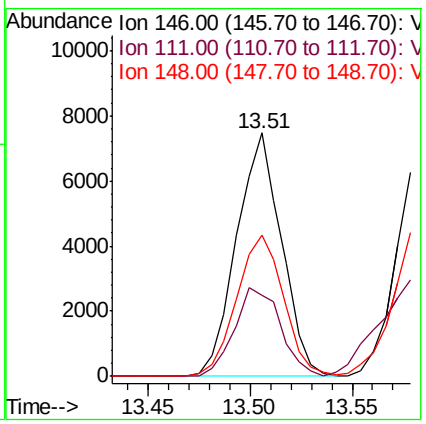


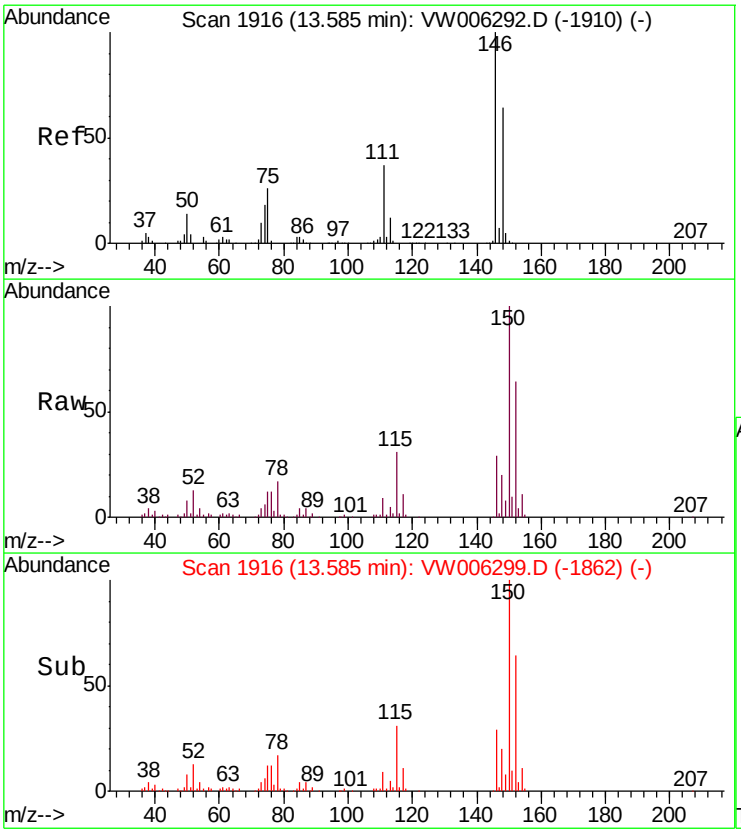

#63
1,3-Dichlorobenzene
Concen: 1.119 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :** MSVOA_W
**ClientSampleId :** MDL

Tgt Ion:146 Resp: 11405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 33.2 | 26.3 | 48.9 |
| 148 | 58.3 | 44.7 | 82.9 |

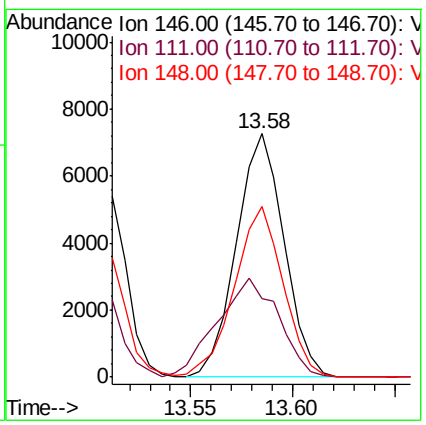


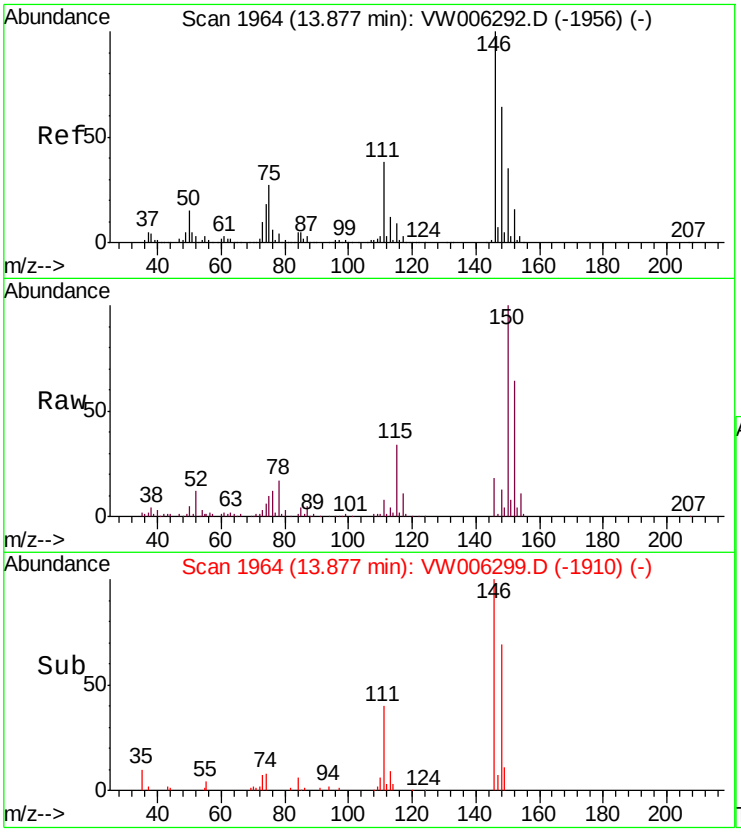




#64
1,4-Dichlorobenzene
Concen: 1.149 ug/L
RT: 13.58 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:146 Resp: 11790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 32.5 | 24.7 | 45.9 |
| 148 | 69.9 | 44.9 | 83.5 |



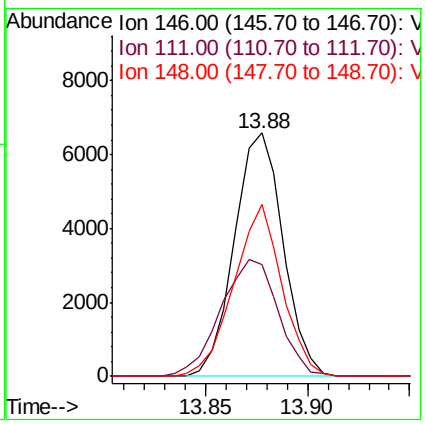


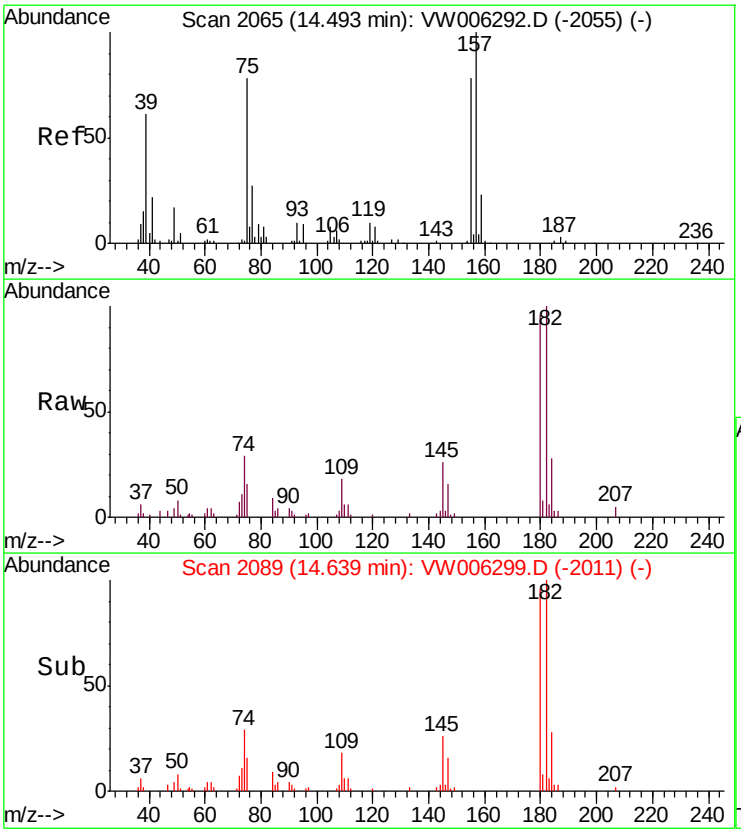

#65
1,2-Dichlorobenzene
Concen: 1.164 ug/L
RT: 13.88 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:146 Resp: 10910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.7 | 31.1 | 46.7 |
| 148 | 70.4 | 51.2 | 76.8 |

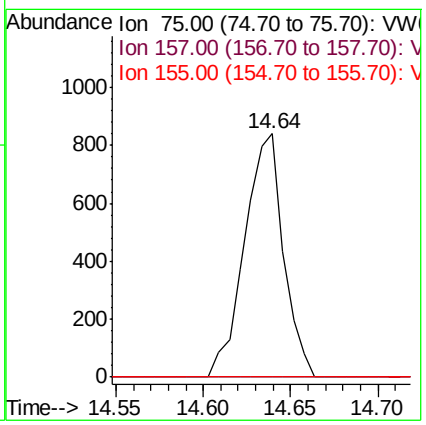


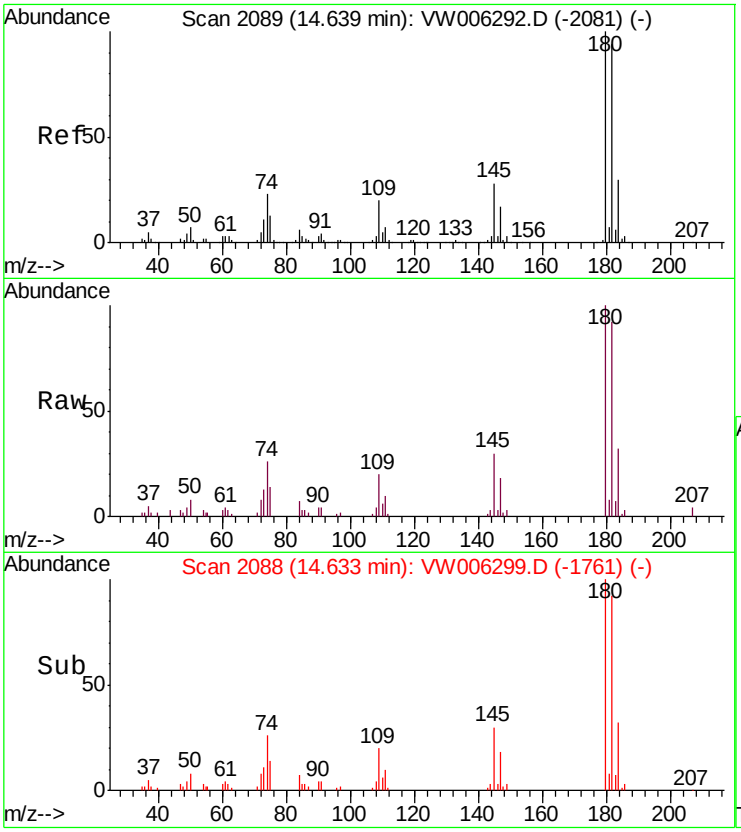




#66
1,2-Dibromo-3-chloropropane
Concen: 1.719 ug/L
RT: 14.64 min Scan# 2089
Delta R.T. 0.15 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion: 75 Resp: 1297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 0.0 | 106.8 | 160.2# |
| 155 | 0.0 | 79.2 | 118.8# |



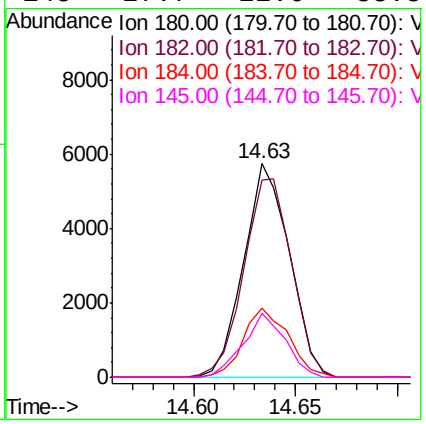


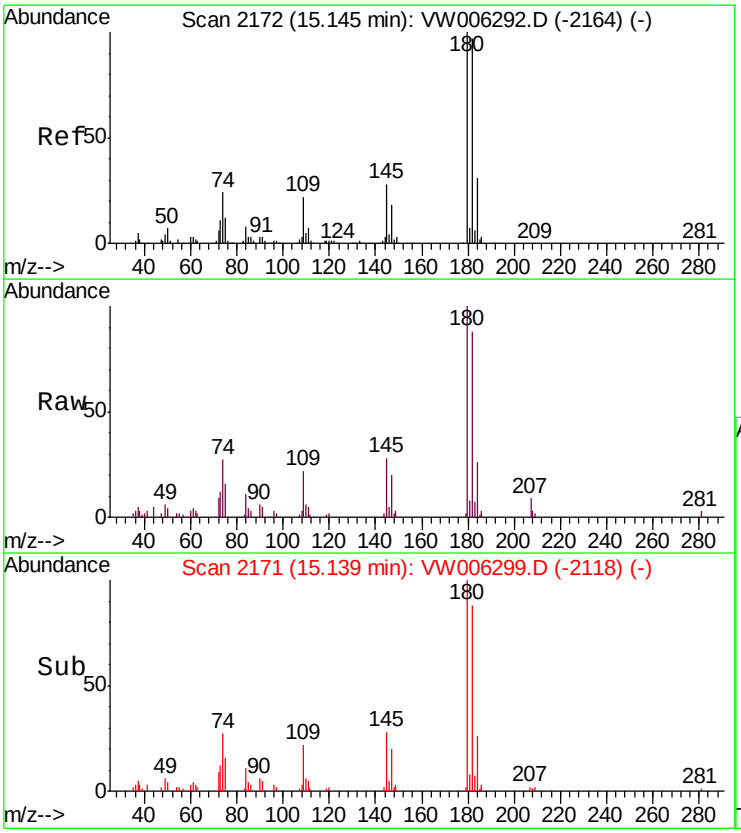

#67
1,3,5-Trichlorobenzene
Concen: 1.091 ug/L
RT: 14.63 min Scan# 2088
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:180 Resp: 8958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.4 | 76.0 | 114.0 |
| 184 | 31.8 | 24.3 | 36.5 |
| 145 | 27.7 | 22.6 | 33.8 |

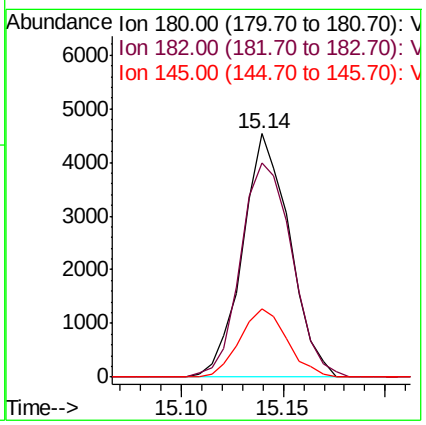


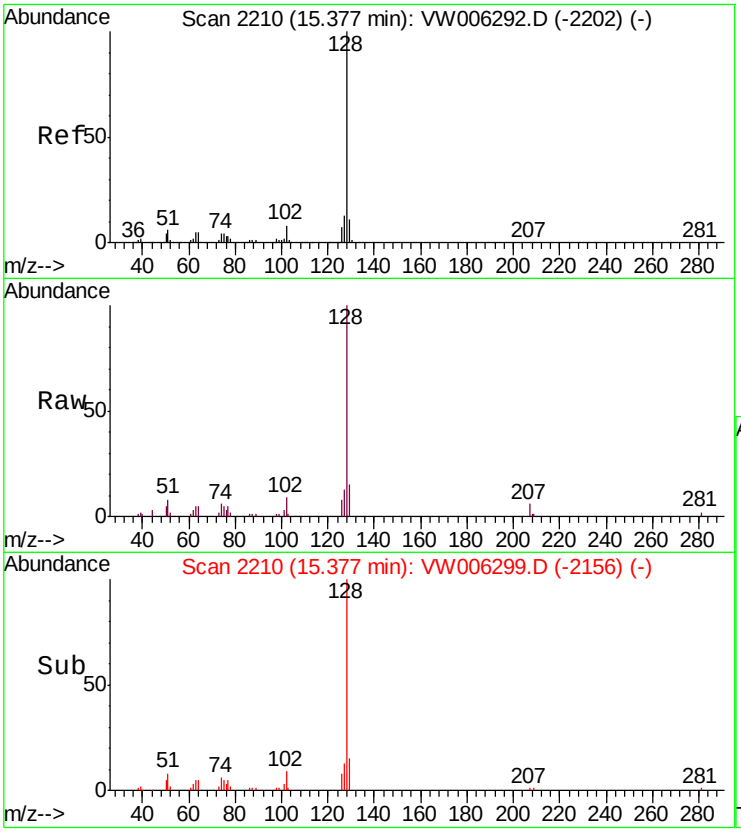




#68
1,2,4-trichlorobenzene
Concen: 1.043 ug/L
RT: 15.14 min Scan# 2171
Delta R.T. -0.01 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:180 Resp: 7309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.2 | 114.2 |
| 145 | 28.0 | 23.0 | 34.6 |



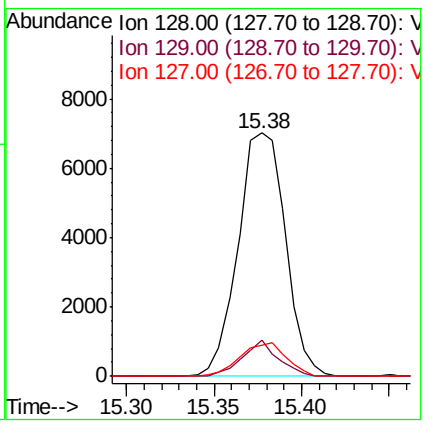


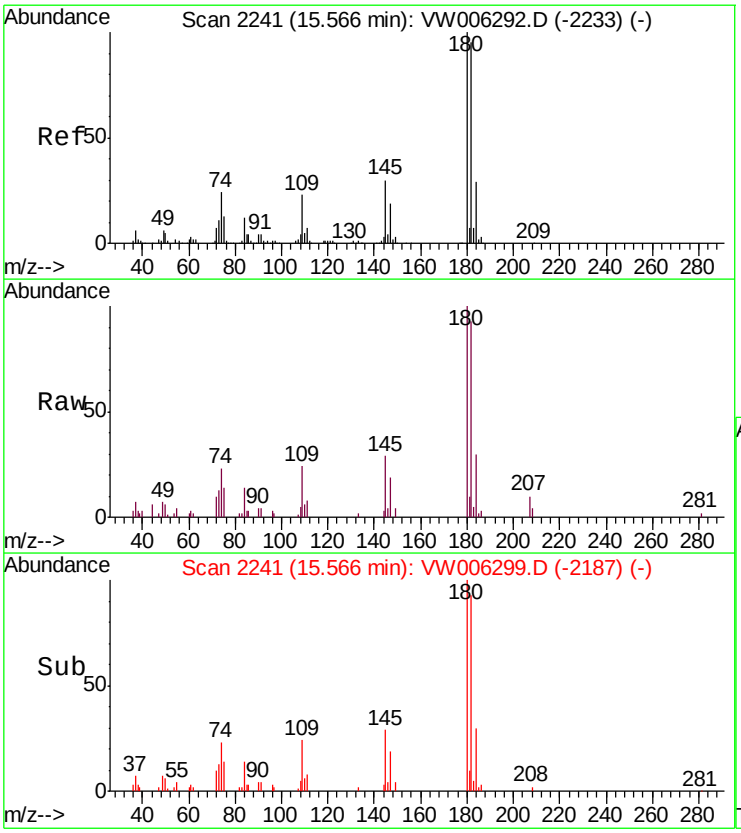

#69
Naphthalene
Concen: 0.932 ug/L
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL

Tgt Ion:128 Resp: 13217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.9 | 13.3 |
| 127 | 13.6 | 10.5 | 15.7 |




#70
1,2,3-Trichlorobenzene
Concen: 1.020 ug/L
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006299.D
Acq: 23 Oct 2018 16:50

Tgt Ion:180 Resp: 6420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.8 | 75.5 | 113.3 |
| 145 | 31.8 | 24.5 | 36.7 |