Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100720\
Data File : VX018813.D
Acq On : 07 Oct 2020 15:35
Operator : JC/SP
Sample : L4240-02DL 20X
Misc : 25.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** BG3Q9DL

Quant Time: Oct 08 01:29:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.83 | 114 | 126736 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 10.09 | 117 | 123049 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 65973 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 36062 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 97.40% | | | |
| 7) Chloroethane-d5 | 1.70 | 69 | 31917 | 5.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 110.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.34 | 63 | 66522 | 3.98 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 79.60% | | | |
| 20) 2-Butanone-d5 | 4.55 | 46 | 132507 | 68.24 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 136.48%# | | | |
| 24) Chloroform-d | 5.14 | 84 | 97018 | 5.42 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 108.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 6.03 | 65 | 56756 | 5.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.80% | | | |
| 32) Benzene-d6 | 6.04 | 84 | 170589 | 5.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 111.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 7.37 | 67 | 51223 | 5.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 115.80% | | | |
| 41) Toluene-d8 | 8.70 | 98 | 139265 | 4.62 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.40% | | | |
| 45) trans-1,3-Dichloropropene- | 8.99 | 79 | 22464 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 94.40% | | | |
| 48) 2-Hexanone-d5 | 9.43 | 63 | 98469 | 61.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 123.54% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23 | 84 | 40707 | 5.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 113.20% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 12.36 | 152 | 64829 | 5.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 106.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 29) 1,1,1-Trichloroethane | 5.46 | 97 | 6025 | 0.414 | ug/L | 91 |
| 30) Cyclohexane | 5.54 | 56 | 173003 | 17.136 | ug/L | 98 |
| 42) Toluene | 8.76 | 91 | 268782 | 9.533 | ug/L | 98 |
| 53) Chlorobenzene | 10.12 | 112 | 4153 | 0.215 | ug/L | 96 |
| 54) Ethylbenzene | 10.23 | 91 | 36463 | 1.154 | ug/L | 98 |
| 55) m,p-xylene | 10.34 | 106 | 51535 | 4.180 | ug/L | 99 |
| 56) o-xylene | 10.68 | 106 | 16165 | 1.419 | ug/L | 97 |
| 58) Isopropylbenzene | 11.00 | 105 | 17204 | 0.539 | ug/L | 100 |
| 63) 1,3-Dichlorobenzene | 12.01 | 146 | 7597 | 0.474 | ug/L | 91 |
| 64) 1,4-Dichlorobenzene | 12.08 | 146 | 25224 | 1.577 | ug/L | 95 |
| 66) 1,2-Dichlorobenzene | 12.38 | 146 | 11705 | 0.782 | ug/L | 97 |
| 69) 1,2,4-trichlorobenzene | 13.63 | 180 | 177462 | 17.319 | ug/L | 96 |
| 71) 1,2,3-Trichlorobenzene | 14.00 | 180 | 52962 | 5.745 | ug/L | 99 |

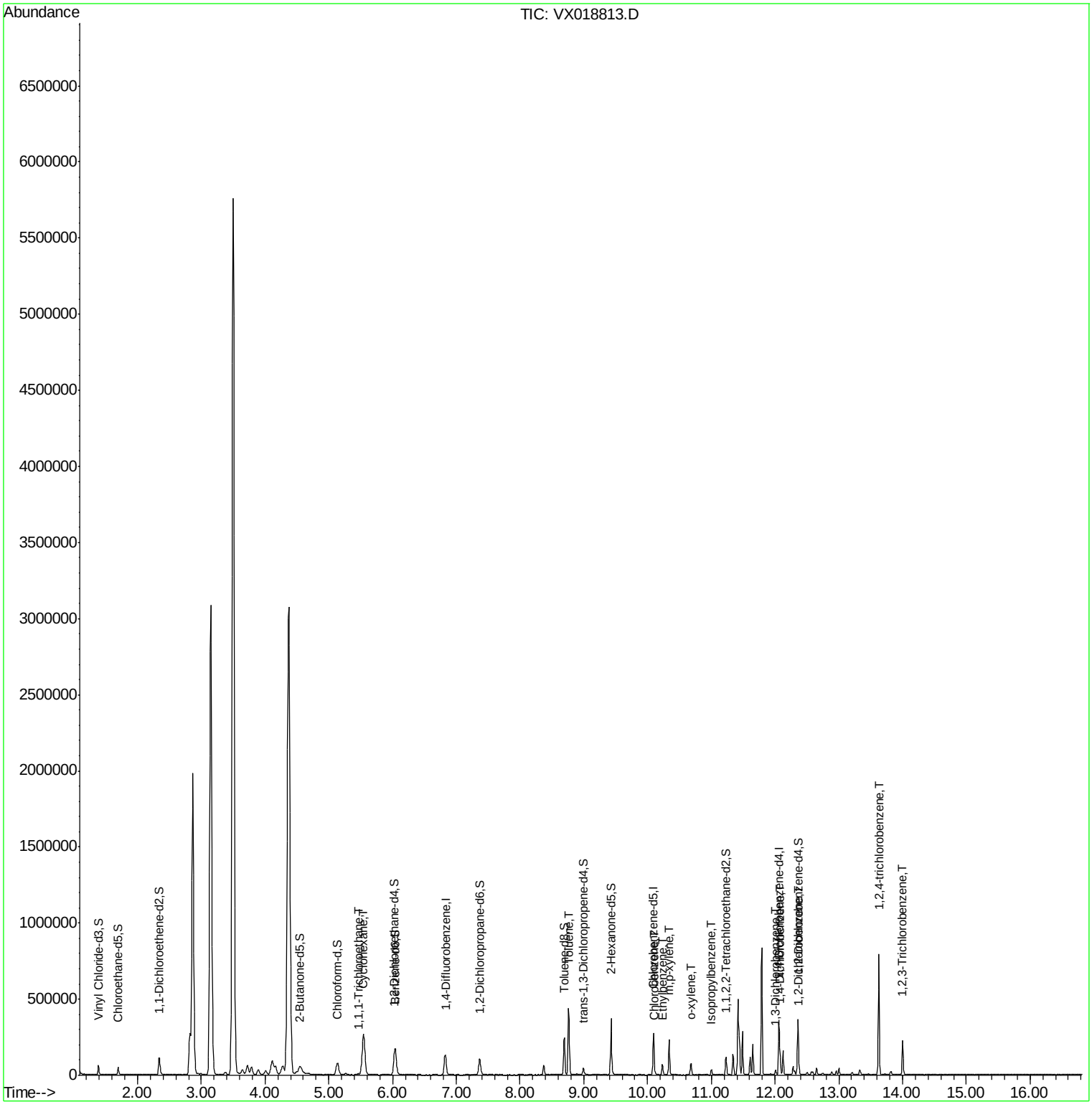
(#) = qualifier out of range (m) = manual integration (+) = signals summed

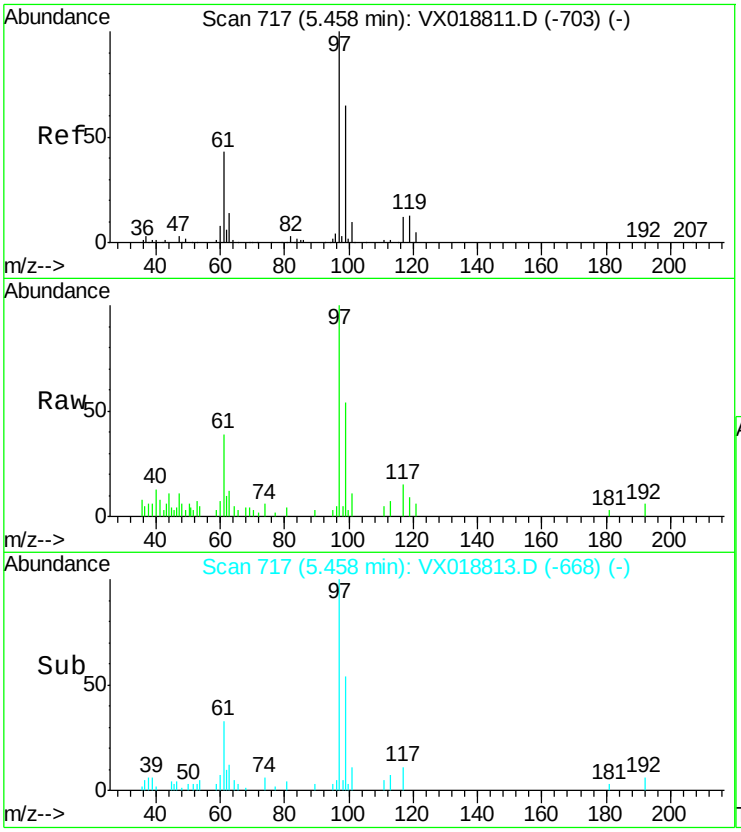
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100720\
Data File : VX018813.D
Acq On : 07 Oct 2020 15:35
Operator : JC/SP
Sample : L4240-02DL 20X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG3Q9DL

Quant Time: Oct 08 01:29:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration



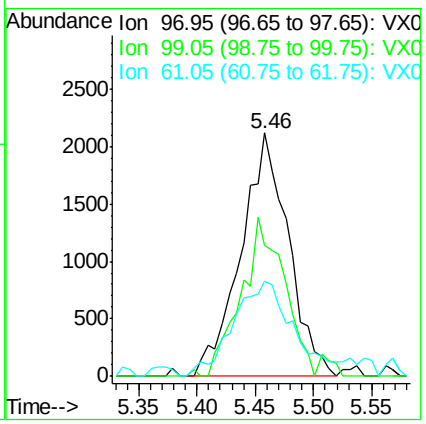


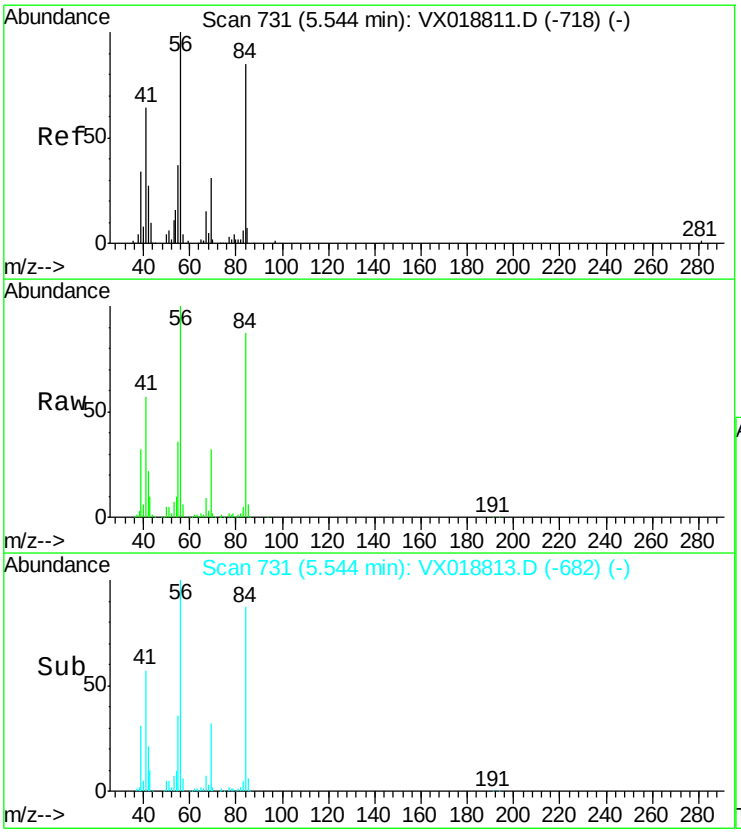

#29
1,1,1-Trichloroethane
Concen: 0.414 ug/L
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG3Q9DL

Tgt Ion: 97 Resp: 6025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 59.4 | 51.3 | 76.9 |
| 61 | 49.8 | 33.3 | 49.9 |

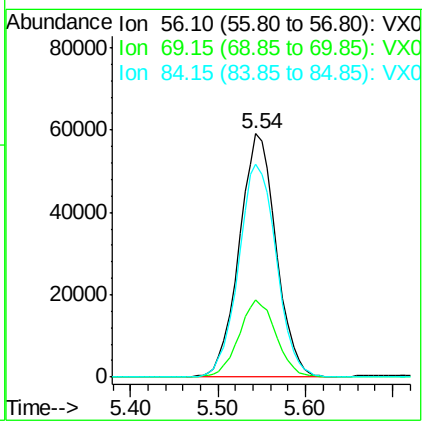


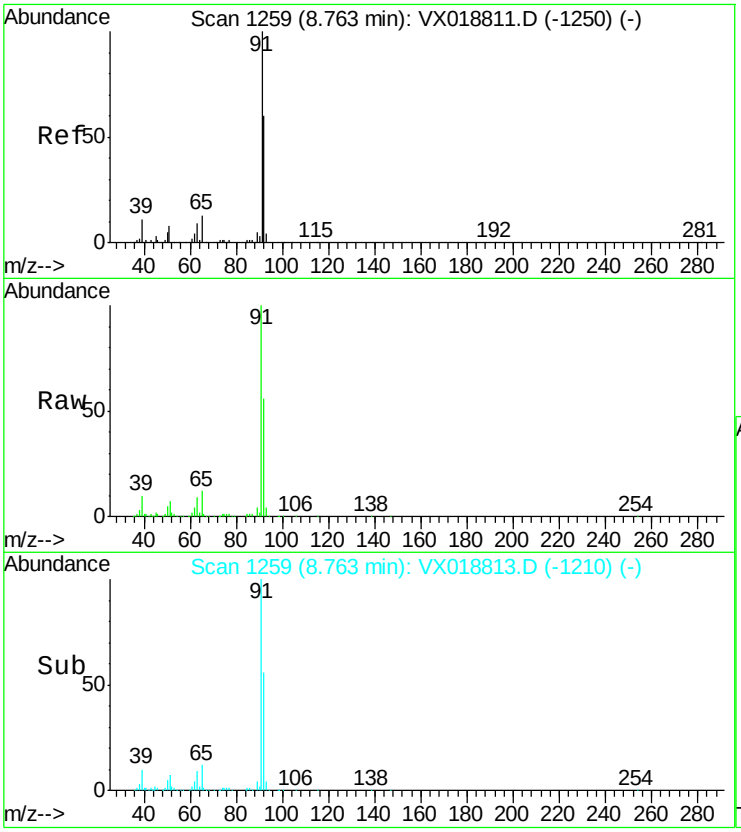




#30
Cyclohexane
Concen: 17.136 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

Tgt Ion: 56 Resp: 173003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.1 | 26.0 | 39.0 |
| 84 | 89.7 | 73.8 | 110.6 |



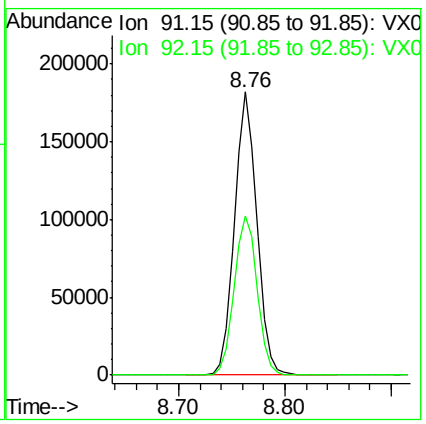


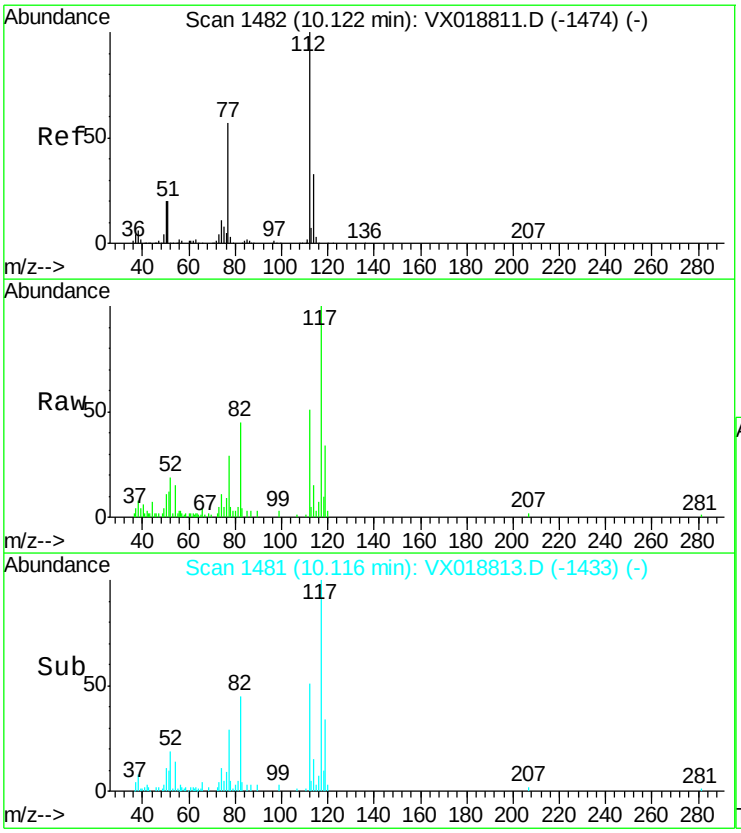

#42
Toluene
Concen: 9.533 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG3Q9DL

Tgt Ion: 91 Resp: 268782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.1 | 40.3 | 74.9 |

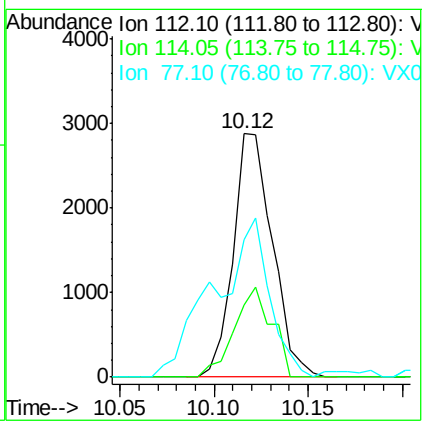


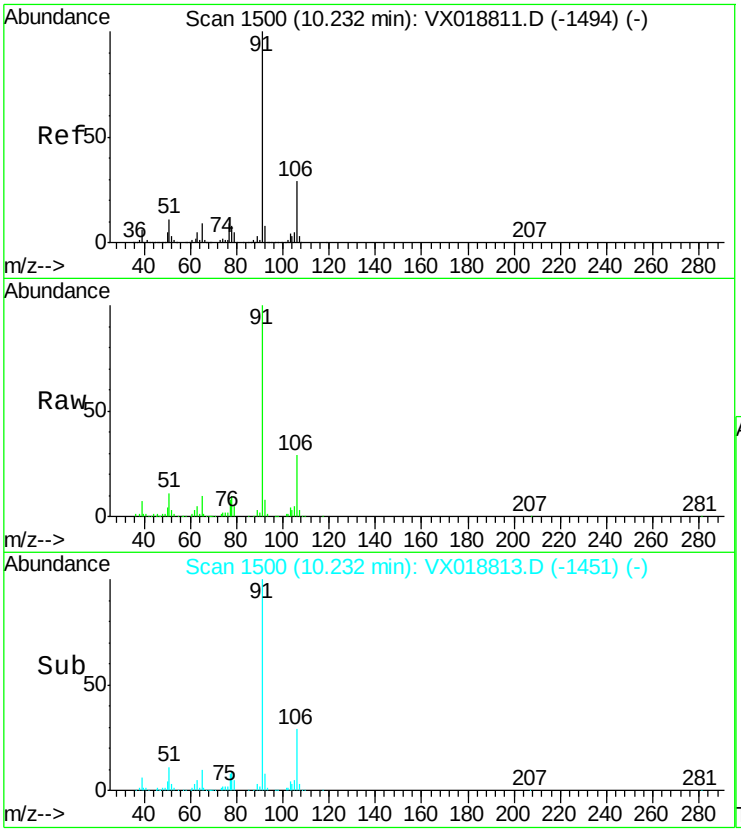




#53
Chlorobenzene
Concen: 0.215 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

Tgt Ion:112 Resp: 4153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 26.6 | 21.3 | 39.5 |
| 77 | 51.0 | 42.4 | 63.6 |



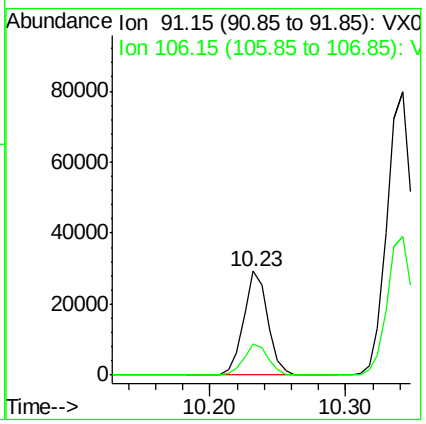


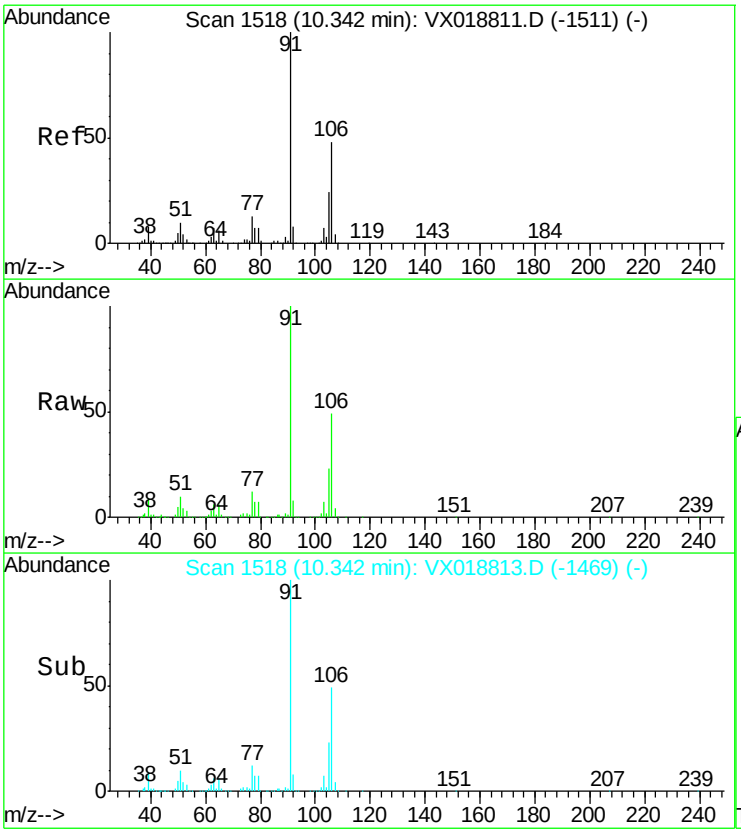

#54
Ethylbenzene
Concen: 1.154 ug/L
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :** MSVOA_X
**ClientSampleId :** BG3Q9DL

Tgt Ion: 91 Resp: 36463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 21.5 | 39.9 |

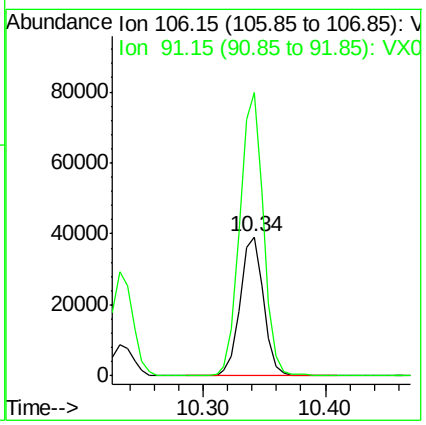


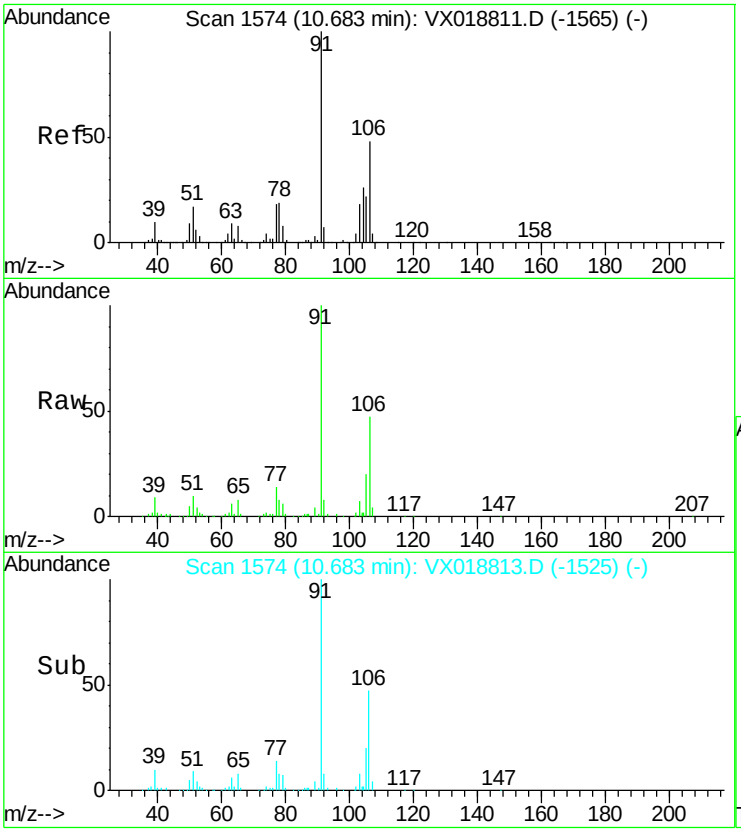




#55
m,p-xylene
Concen: 4.180 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

Tgt Ion:106 Resp: 51535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.2 | 143.4 | 266.2 |



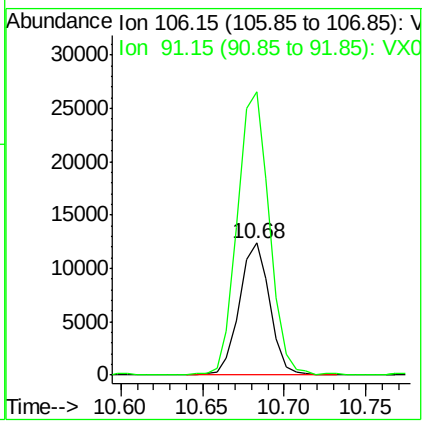


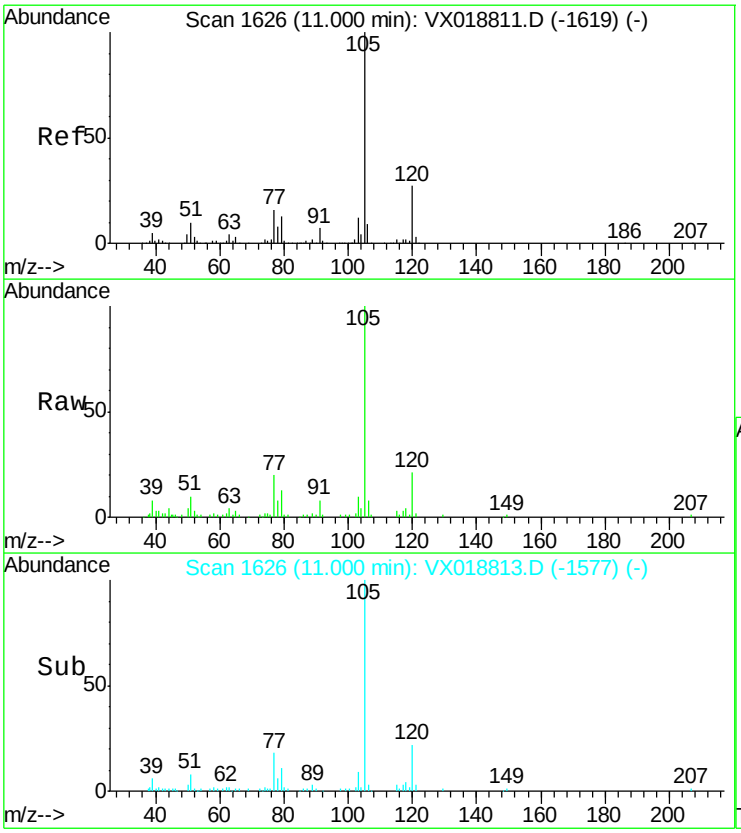

#56
o-xylene
Concen: 1.419 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG3Q9DL

Tgt Ion:106 Resp: 16165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.3 | 153.4 | 284.8 |

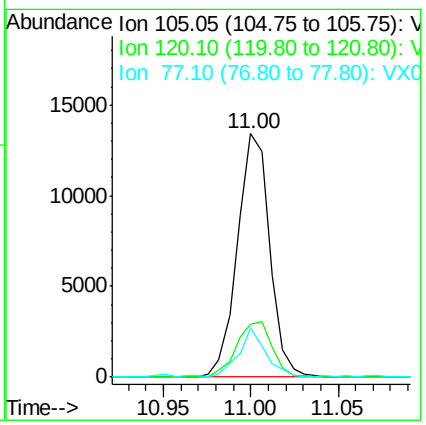


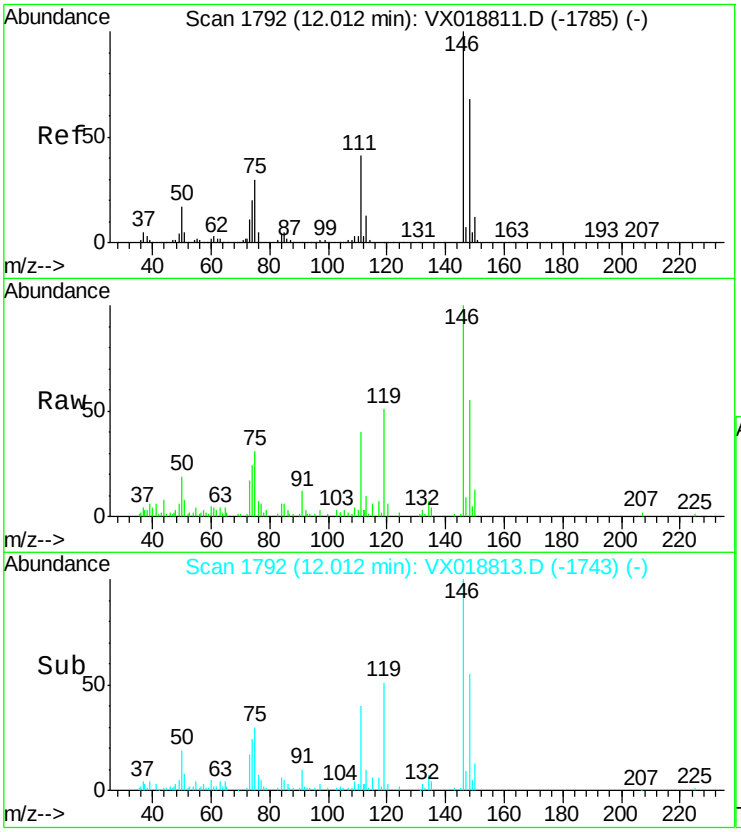




#58
Isopropylbenzene
Concen: 0.539 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

Tgt Ion:105 Resp: 17204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.0 | 20.2 | 30.2 |
| 77 | 16.8 | 13.3 | 19.9 |



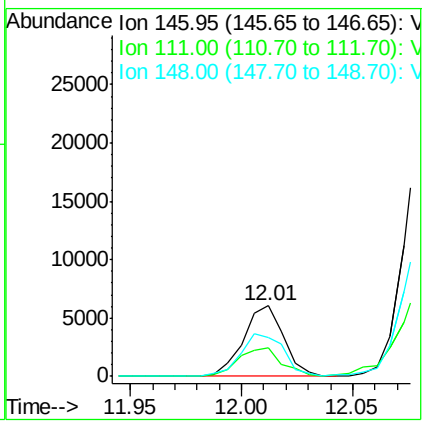


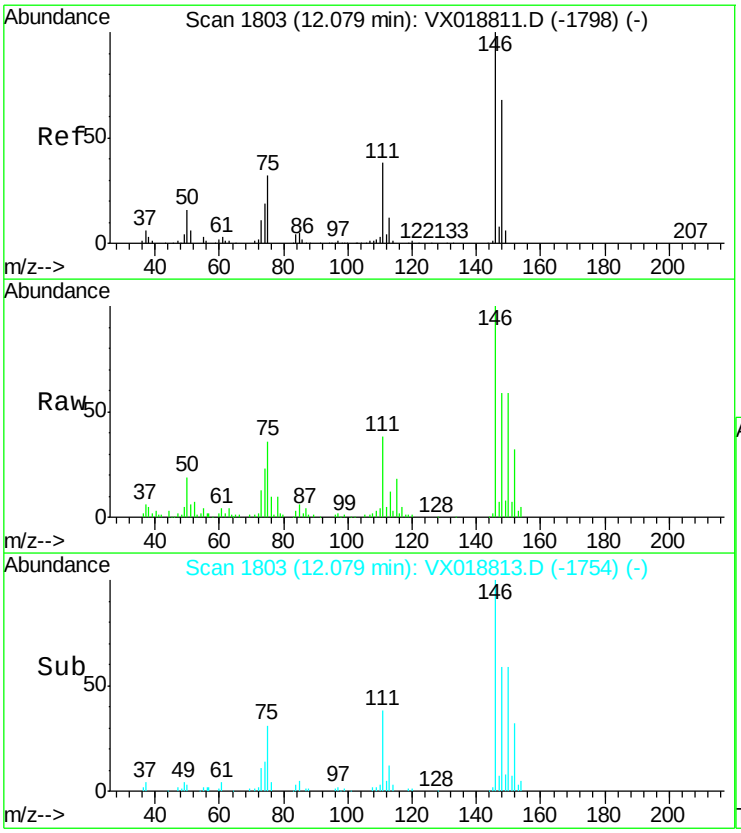

#63
1,3-Dichlorobenzene
Concen: 0.474 ug/L
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :** MSVOA_X
**ClientSampleId :** BG3Q9DL

Tgt Ion:146 Resp: 7597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 28.4 | 52.8 |
| 148 | 54.8 | 45.9 | 85.3 |

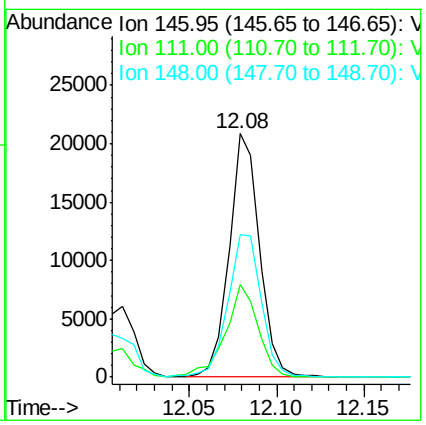


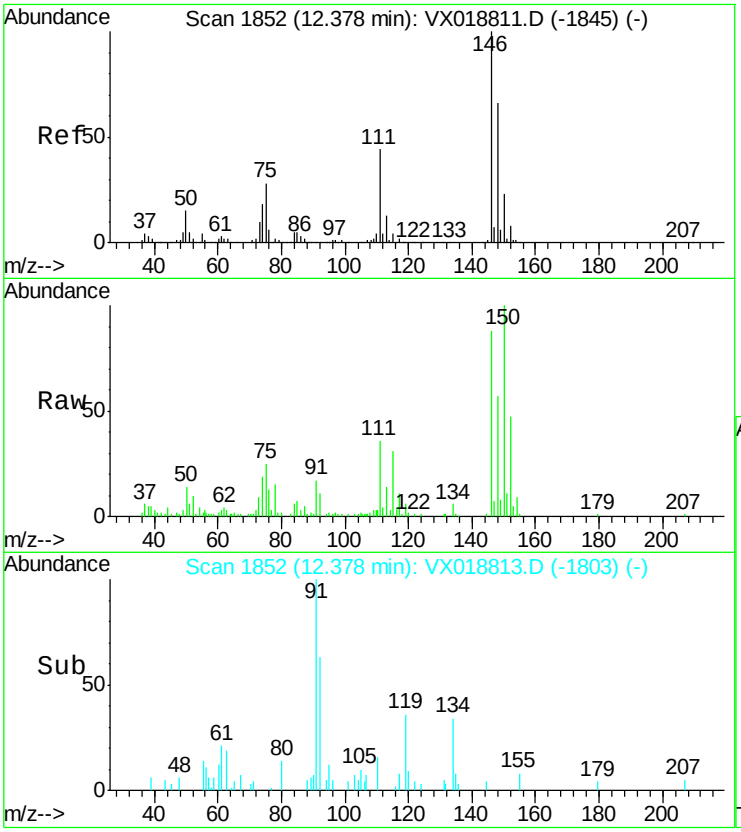




#64
1,4-Dichlorobenzene
Concen: 1.577 ug/L
RT: 12.08 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

Tgt Ion:146 Resp: 25224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.0 | 28.6 | 53.2 |
| 148 | 58.8 | 44.2 | 82.0 |



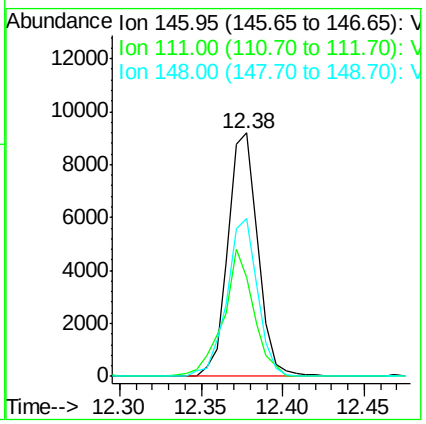


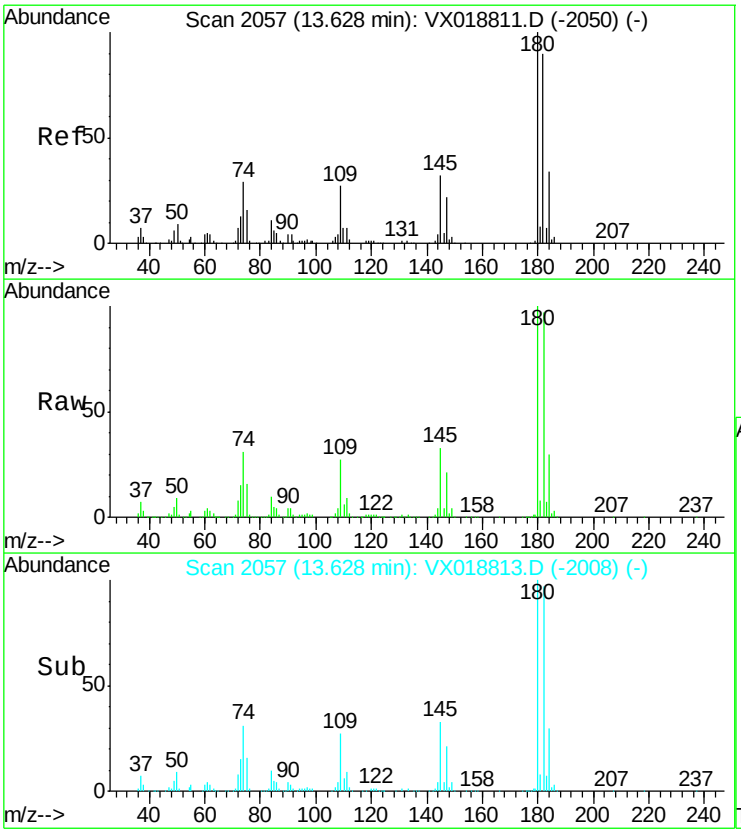

#66
1,2-Dichlorobenzene
Concen: 0.782 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG3Q9DL

Tgt Ion:146 Resp: 11705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 31.7 | 47.5 |
| 148 | 64.6 | 49.0 | 73.6 |

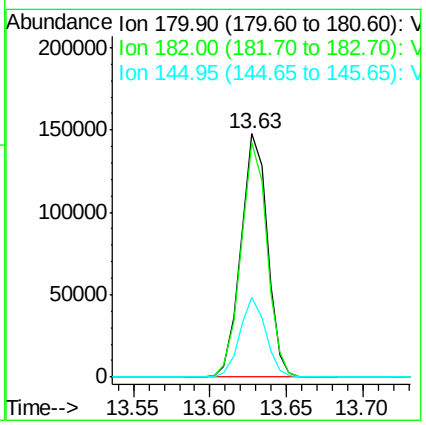


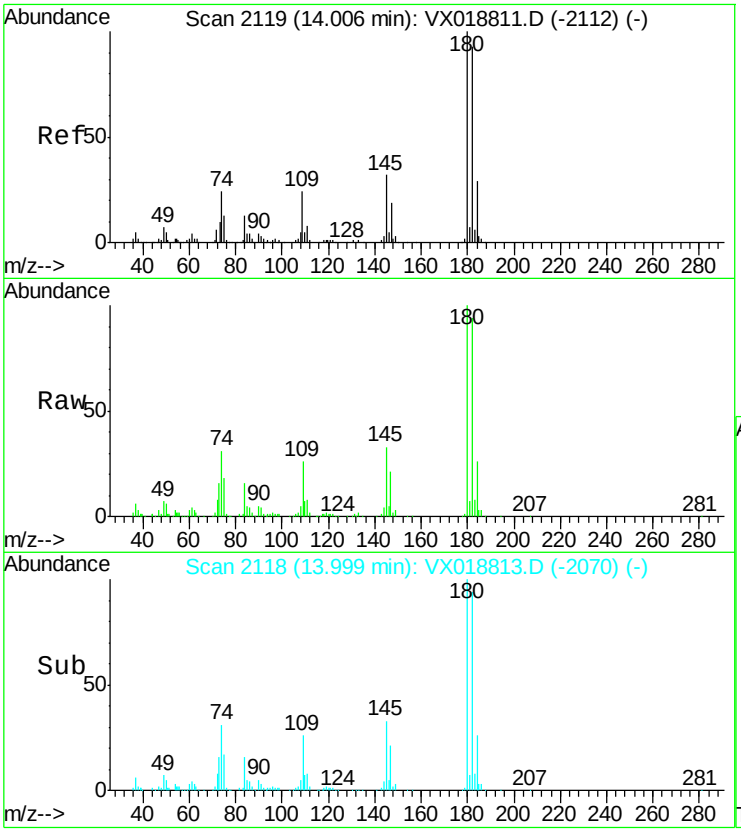




#69
1,2,4-trichlorobenzene
Concen: 17.319 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

Tgt Ion:180 Resp: 177462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 80.2 | 120.4 |
| 145 | 32.1 | 25.2 | 37.8 |






#71
1,2,3-Trichlorobenzene
Concen: 5.745 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX018813.D
Acq: 07 Oct 2020 15:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
BG3Q9DL

Tgt Ion:180 Resp: 52962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 73.6 | 110.4 |
| 145 | 34.1 | 26.6 | 40.0 |