Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092920\
Data File : VV018520.D
Acq On : 29 Sep 2020 16:43
Operator : SY/MD
Sample : L4109-12ME
Misc : 6.17g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Quant Time: Sep 30 01:51:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 30 01:47:57 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 375165 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 370349 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 200442 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 93567 | 42.53 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 85.06% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 72109 | 39.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 79.28% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.10 | 63 | 138894 | 30.98 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 61.96% | | | |
| 21) 2-Butanone-d5 | 3.94 | 46 | 113635 | 69.24 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 69.24% | | | |
| 24) Chloroform-d | 4.37 | 84 | 204012 | 42.88 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.76% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.05 | 65 | 141269 | 46.77 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.54% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 423295 | 45.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.24% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 130504 | 46.04 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 92.08% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 406714 | 46.09 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.18% | | | |
| 43) trans-1,3-Dichloropropene- | 7.65 | 79 | 68498 | 44.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 89.48% | | | |
| 47) 2-Hexanone-d5 | 8.14 | 63 | 106483 | 98.91 | ug/L | 0.04 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 98.91% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25 | 84 | 173627 | 46.20 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 92.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 180434 | 46.81 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 93.62% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 29) Cyclohexane | 4.69 | 56 | 77579 | 18.367 | ug/L | 92 |
| 30) 1,1,1-Trichloroethane | 4.63 | 97 | 7733 | 1.682 | ug/L | 97 |
| 35) Methylcyclohexane | 6.09 | 83 | 31498 | 7.392 | ug/L # | 19 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 4511 | 1.030 | ug/L # | 69 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 26541 | 7.368 | ug/L # | 75 |
| 42) Toluene | 7.41 | 91 | 455502 | 38.699 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.81 | 97 | 5243 | 1.897 | ug/L # | 25 |
| 46) Tetrachloroethene | 8.00 | 164 | 12400 | 4.839 | ug/L | 96 |
| 48) 2-Hexanone | 8.11 | 43 | 8405 | 2.991 | ug/L # | 40 |
| 49) Dibromochloromethane | 8.00 | 129 | 10078 | 3.189 | ug/L # | 11 |
| 52) Ethylbenzene | 9.04 | 91 | 241866 | 18.400 | ug/L | 99 |
| 53) m,p-Xylene | 9.16 | 106 | 396675 | 78.087 | ug/L | 100 |
| 54) o-xylene | 9.57 | 106 | 165509 | 34.413 | ug/L | 98 |
| 55) Styrene | 9.57 | 104 | 8682 | 1.037 | ug/L # | 1 |
| 56) Isopropylbenzene | 9.96 | 105 | 320903 | 24.879 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 4976 | 1.277 | ug/L # | 75 |
| 59) 1,2,3-Trichloropropane | 10.38 | 75 | 12340 | 3.634 | ug/L # | 1 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
Data File : VV018520.D
Acq On : 29 Sep 2020 16:43
Operator : SY/MD
Sample : L4109-12ME
Misc : 6.17g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Quant Time: Sep 30 01:51:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 30 01:47:57 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 65) 1,2-Dichlorobenzene | 11.67 | 146 | 11520 | 1.795 | ug/L | # | 86 |
| 66) 1,2-Dibromo-3-chloropropan | 12.44 | 75 | 7802 | 8.906 | ug/L | # | 1 |
| 67) 1,3,5-Trichlorobenzene | 13.29 | 180 | 105617 | 23.505 | ug/L | | 97 |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 105617 | 25.259 | ug/L | | 97 |
| 69) Naphthalene | 13.53 | 128 | 633836 | 52.955 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 28979 | 6.904 | ug/L | # | 92 |

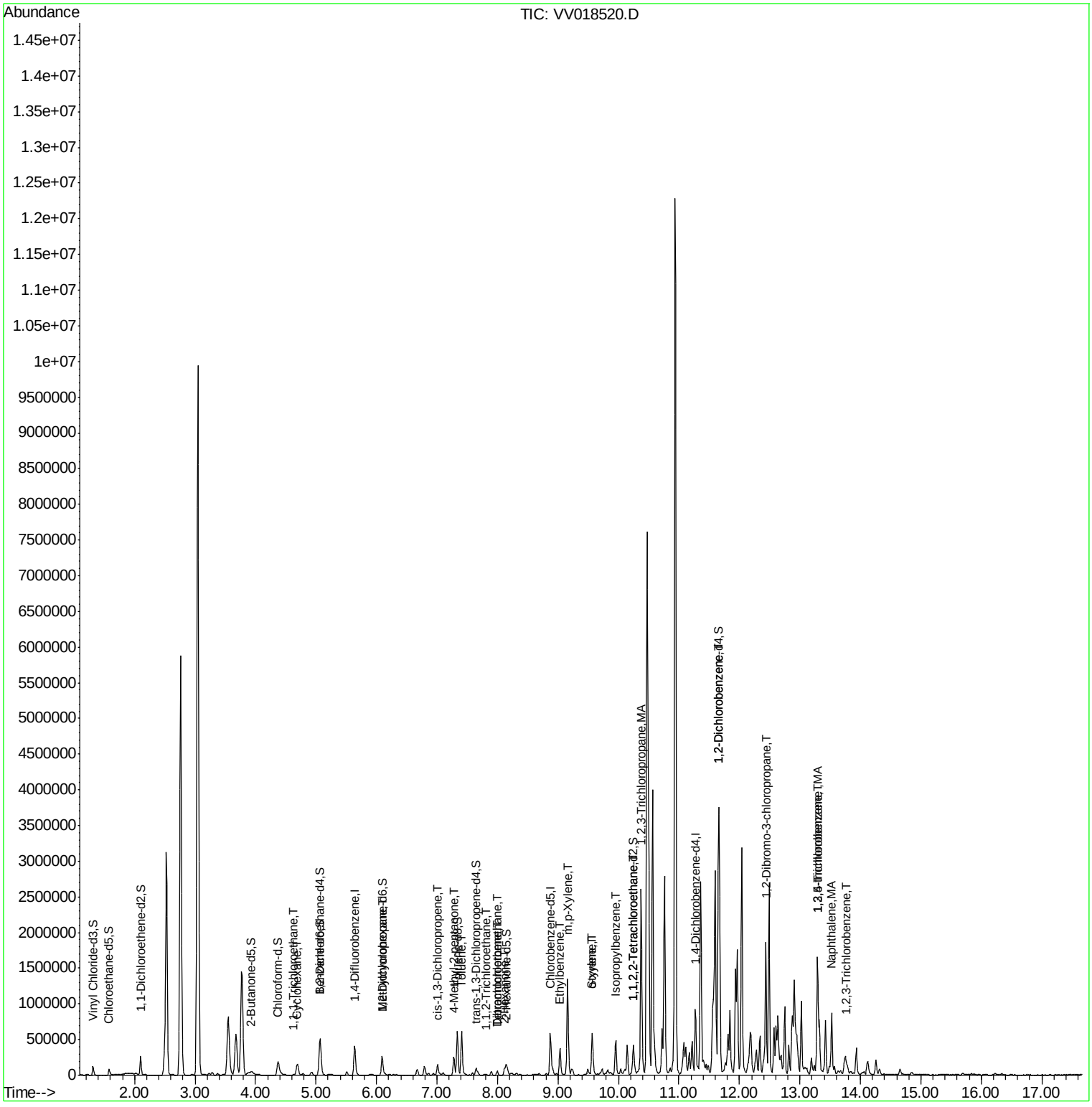
(#) = qualifier out of range (m) = manual integration (+) = signals summed

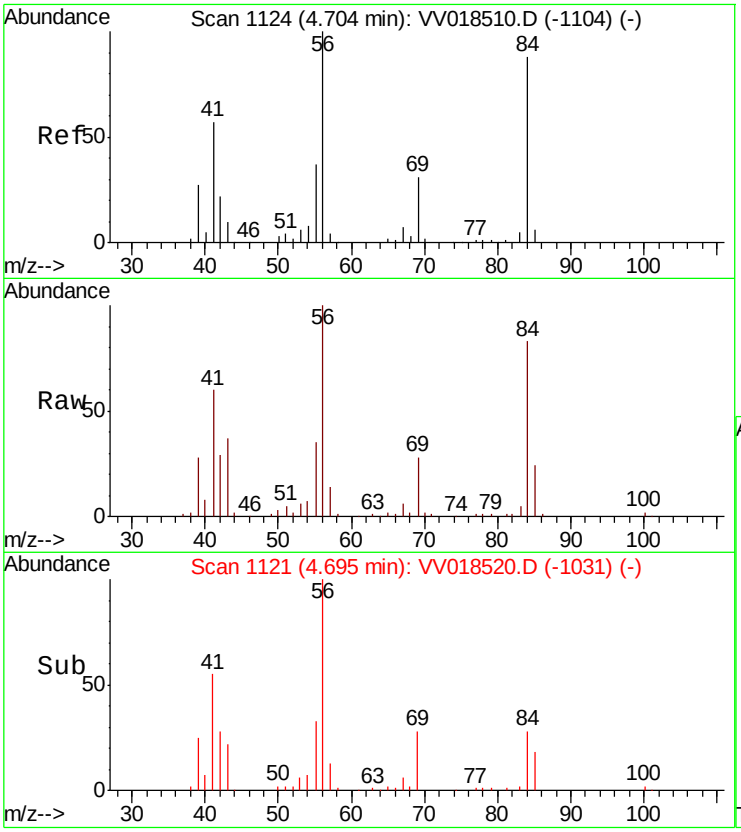
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092920\
Data File : VV018520.D
Acq On : 29 Sep 2020 16:43
Operator : SY/MD
Sample : L4109-12ME
Misc : 6.17g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Quant Time: Sep 30 01:51:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 30 01:47:57 2020
Response via : Initial Calibration



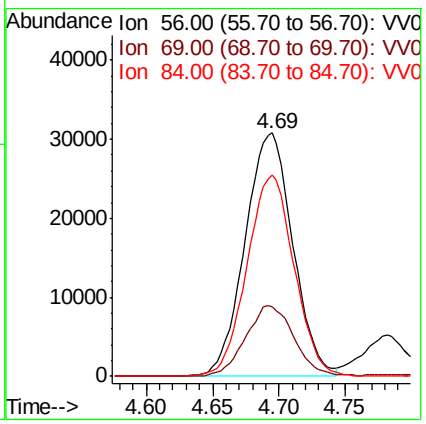


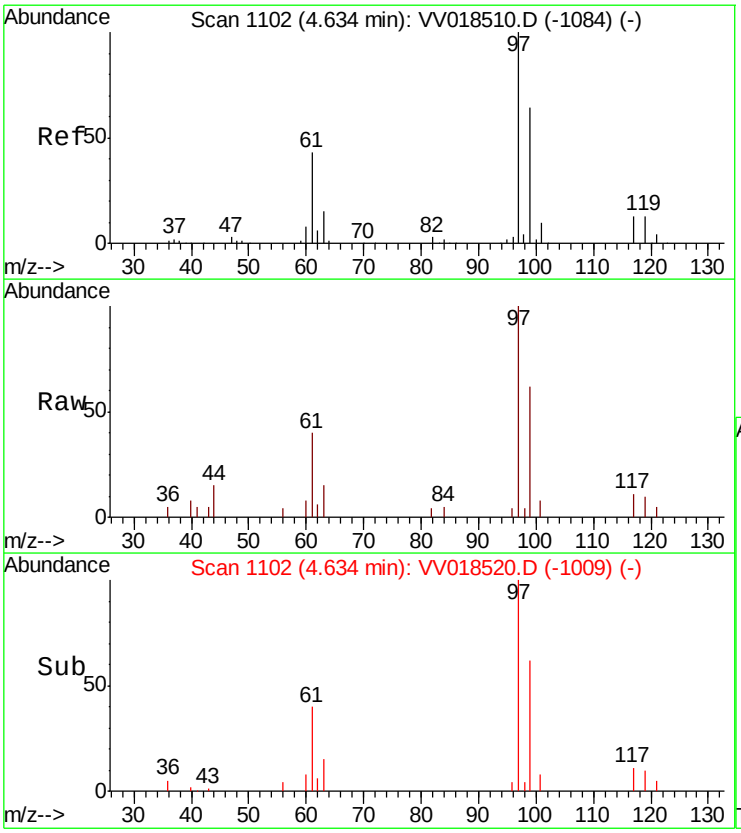

#29
Cyclohexane
Concen: 18.367 ug/L
RT: 4.69 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Tgt Ion: 56 Resp: 77579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.3 | 24.8 | 37.2 |
| 84 | 81.6 | 72.2 | 108.4 |

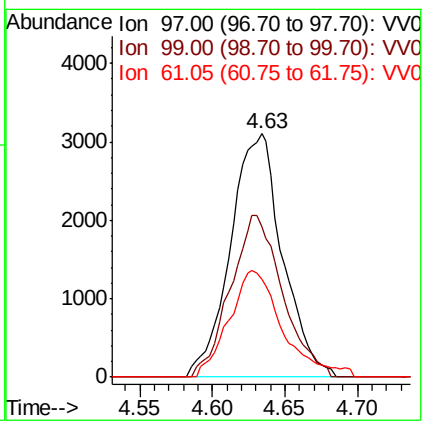


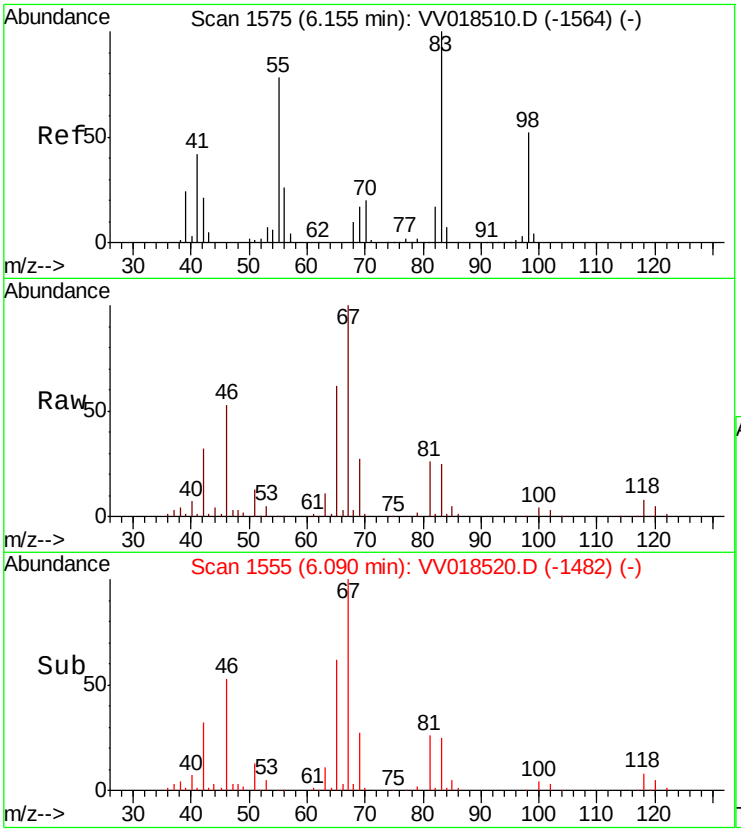




#30
1,1,1-Trichloroethane
Concen: 1.682 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion: 97 Resp: 7733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.6 | 51.4 | 77.0 |
| 61 | 44.6 | 33.9 | 50.9 |



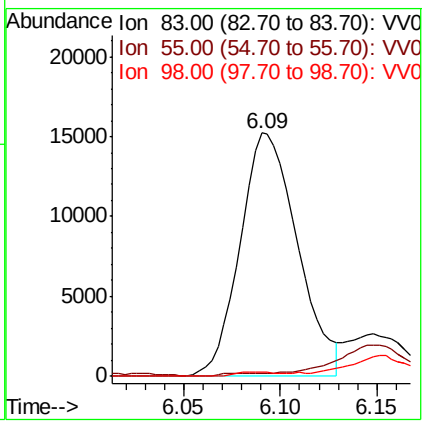


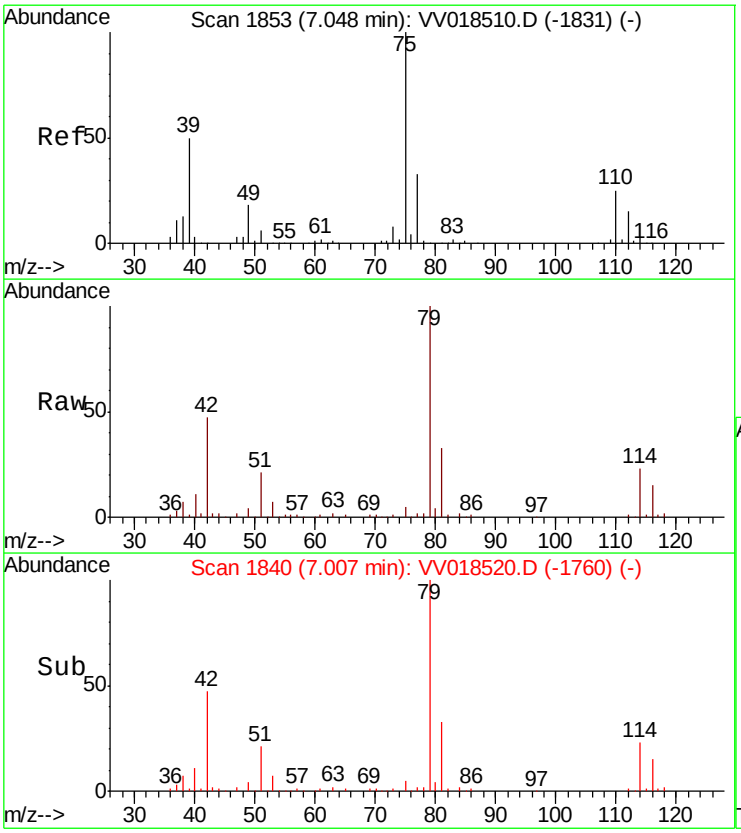

#35
Methylcyclohexane
Concen: 7.392 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.06 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Tgt Ion: 83 Resp: 31498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.5 | 60.1 | 90.1# |
| 98 | 1.2 | 40.2 | 60.4# |

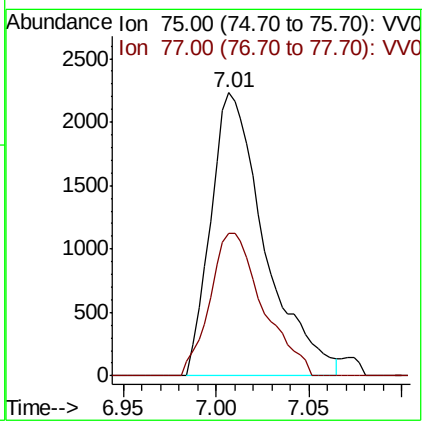


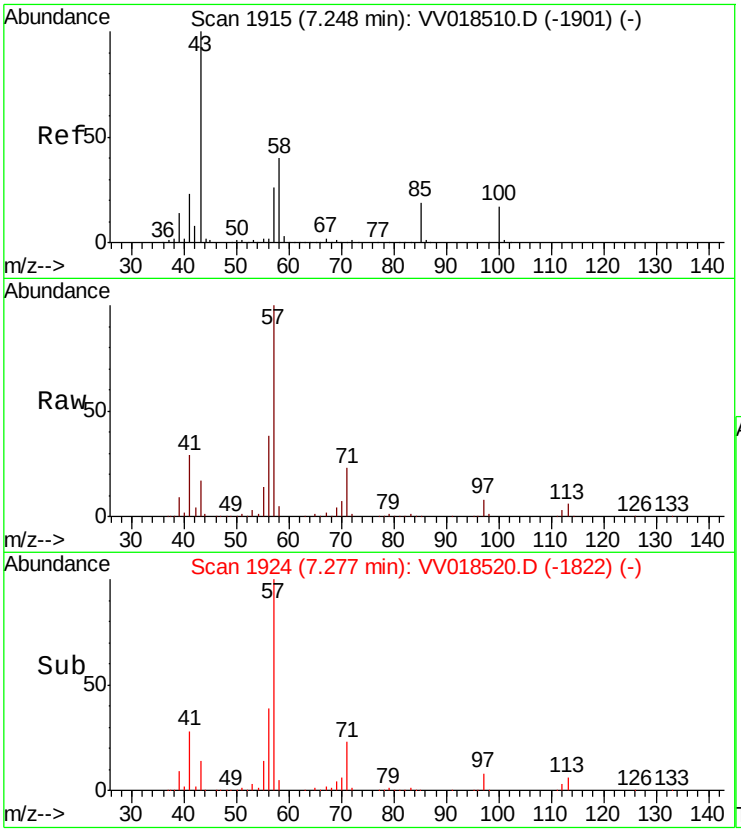




#39
cis-1,3-Dichloropropene
Concen: 1.030 ug/L
RT: 7.01 min Scan# 1840
Delta R.T. -0.04 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion: 75 Resp: 4511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 50.2 | 23.0 | 42.6# |



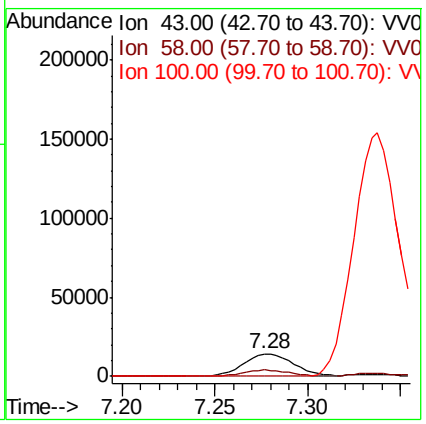


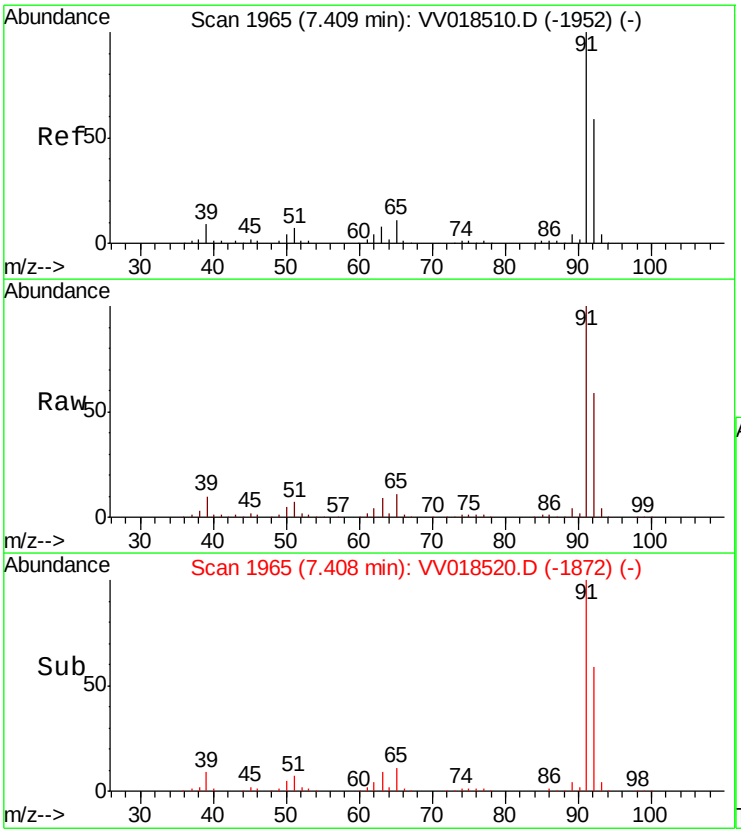

#40
4-Methyl-2-pentanone
Concen: 7.368 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.03 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion: 43 Resp: 26541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.0 | 31.8 | 47.6# |
| 100 | 0.0 | 13.4 | 20.0# |

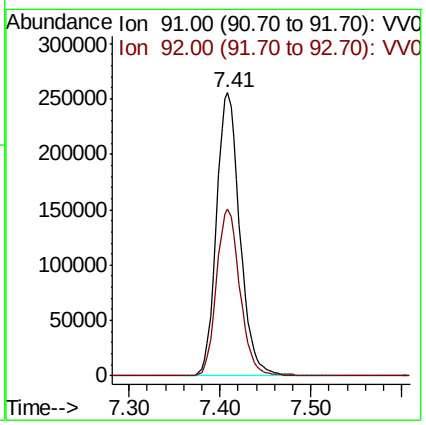


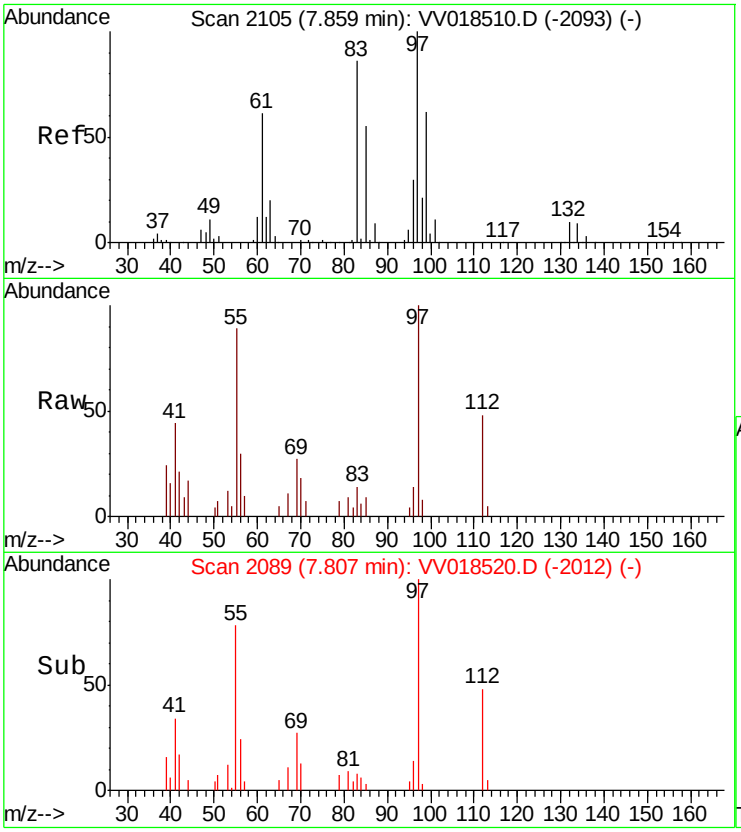




#42
Toluene
Concen: 38.699 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion: 91 Resp: 455502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.1 | 41.6 | 77.3 |



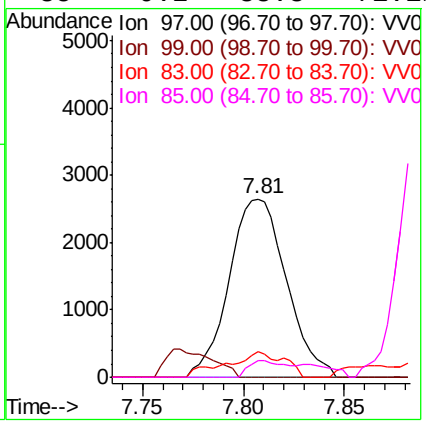


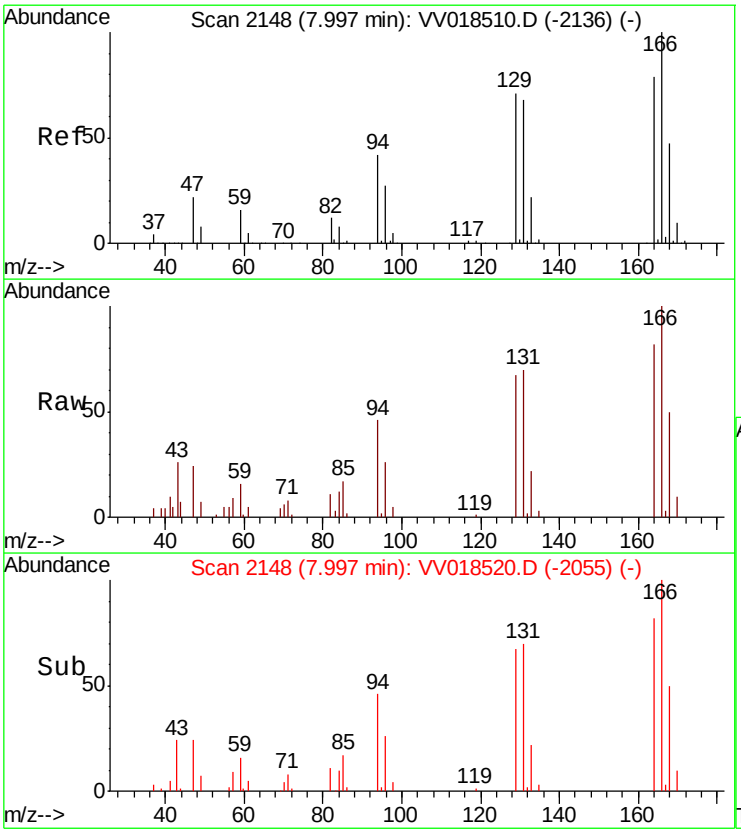

#45
1,1,2-Trichloroethane
Concen: 1.897 ug/L
RT: 7.81 min Scan# 2089
Delta R.T. -0.05 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion: 97 Resp: 5243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 43.3 | 80.3# |
| 83 | 14.1 | 60.5 | 112.5# |
| 85 | 9.2 | 38.3 | 71.1# |

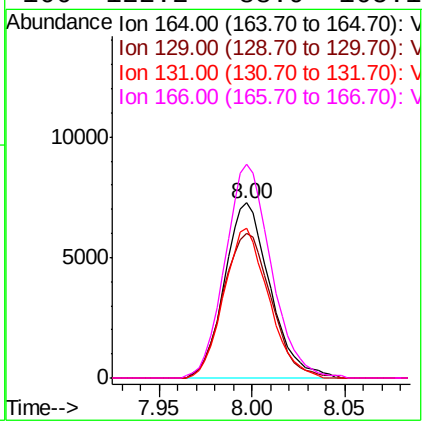


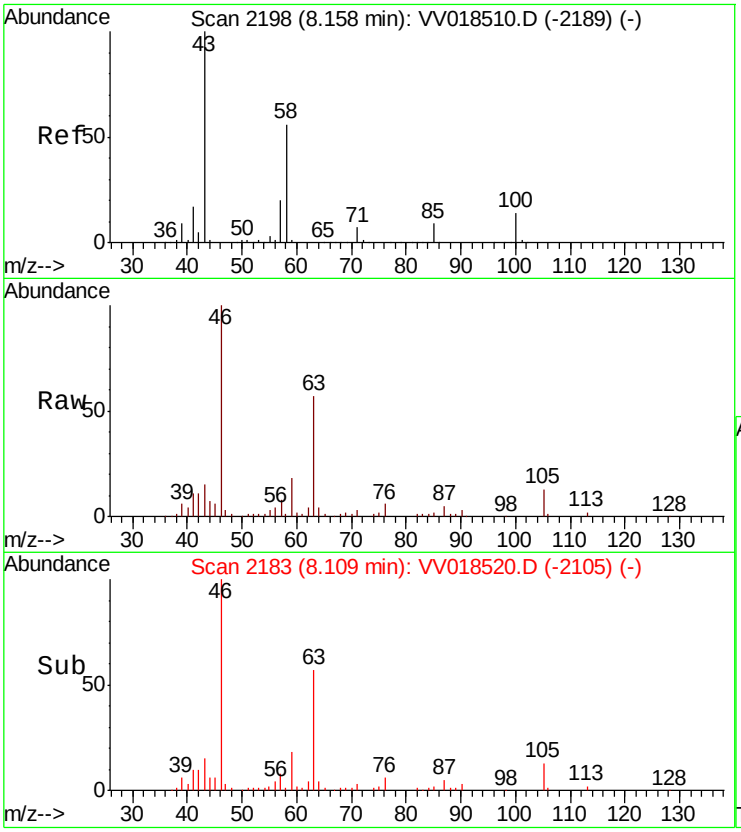




#46
Tetrachloroethene
Concen: 4.839 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:164 Resp: 12400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 82.5 | 62.8 | 116.6 |
| 131 | 85.8 | 60.8 | 112.8 |
| 166 | 122.2 | 88.9 | 165.1 |



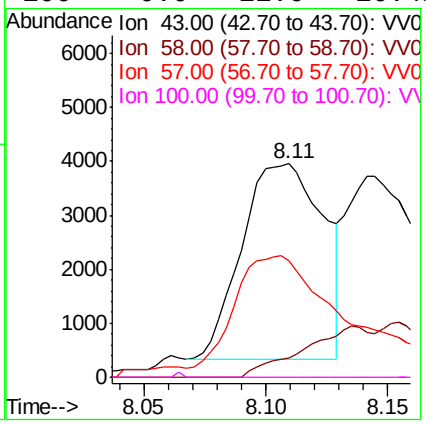


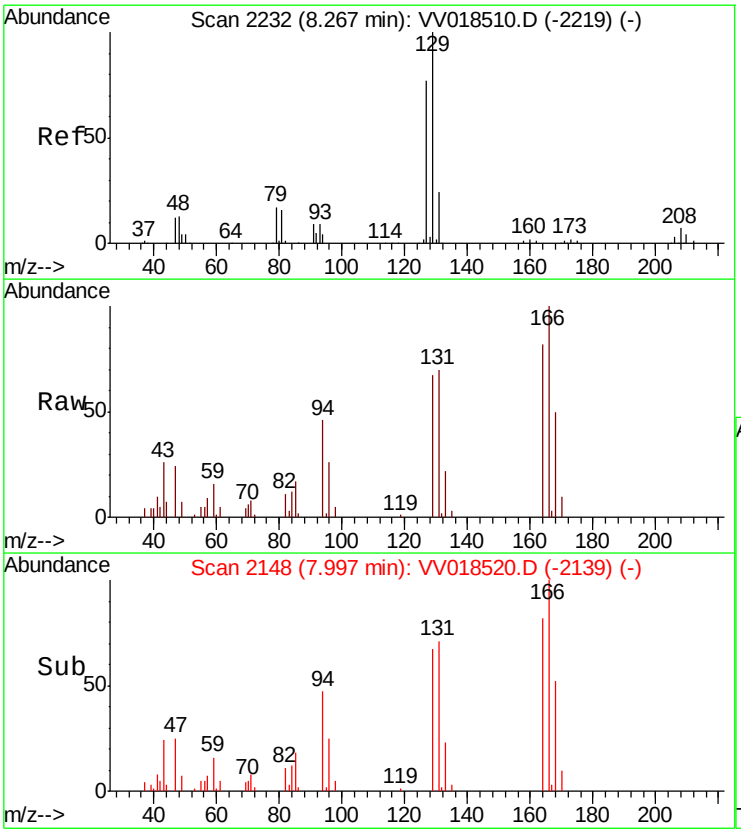

#48
2-Hexanone
Concen: 2.991 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Tgt Ion: 43 Resp: 8405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.3 | 45.1 | 67.7# |
| 57 | 72.3 | 15.7 | 23.5# |
| 100 | 0.0 | 11.0 | 16.4# |

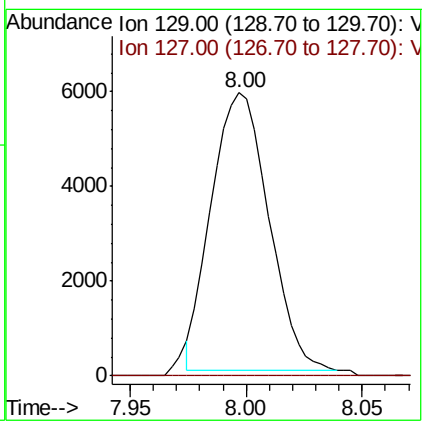


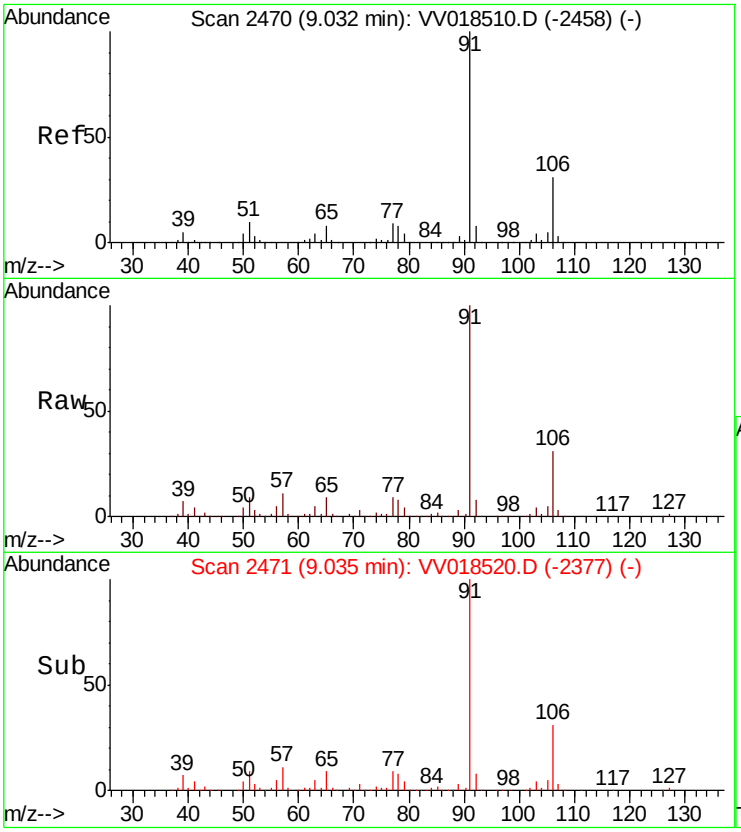




#49
Dibromochloromethane
Concen: 3.189 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.27 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:129 Resp: 10078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 54.1 | 100.5# |



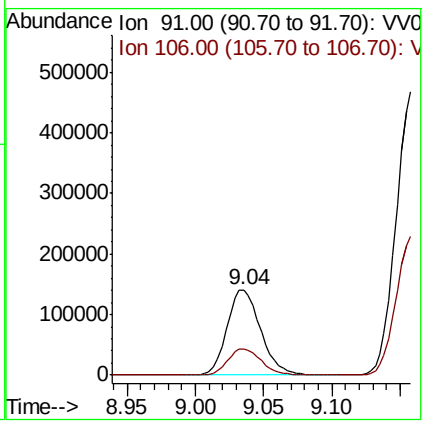


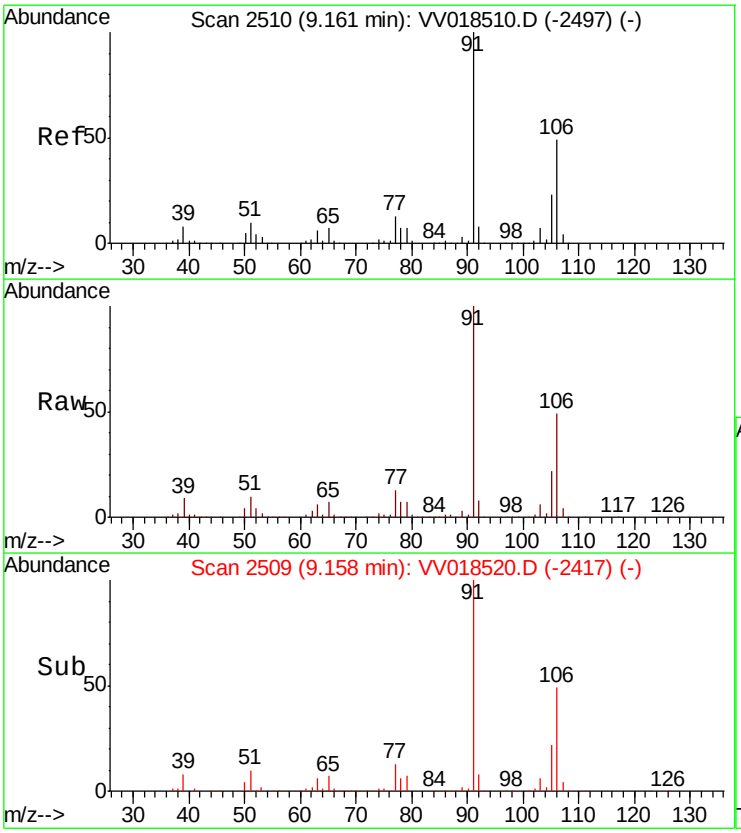

#52
Ethylbenzene
Concen: 18.400 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Tgt Ion: 91 Resp: 241866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 21.9 | 40.7 |

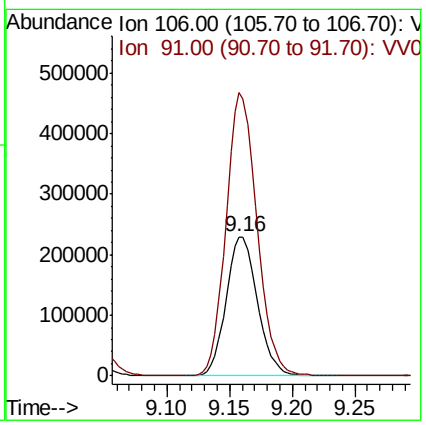


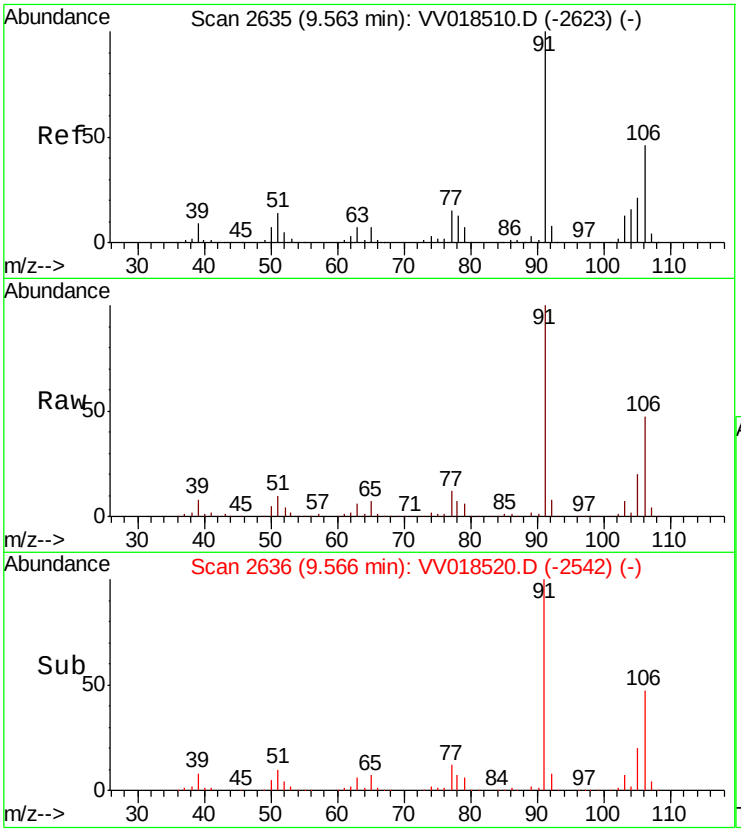




#53
m,p-Xylene
Concen: 78.087 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:106 Resp: 396675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.4 | 142.3 | 264.3 |



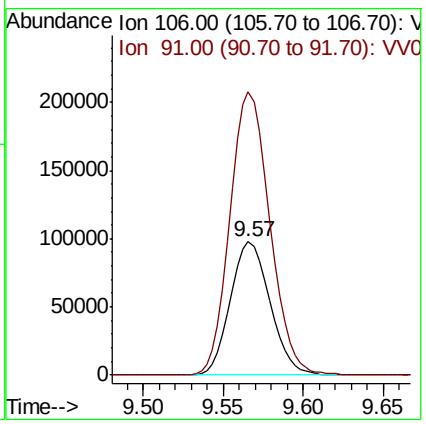


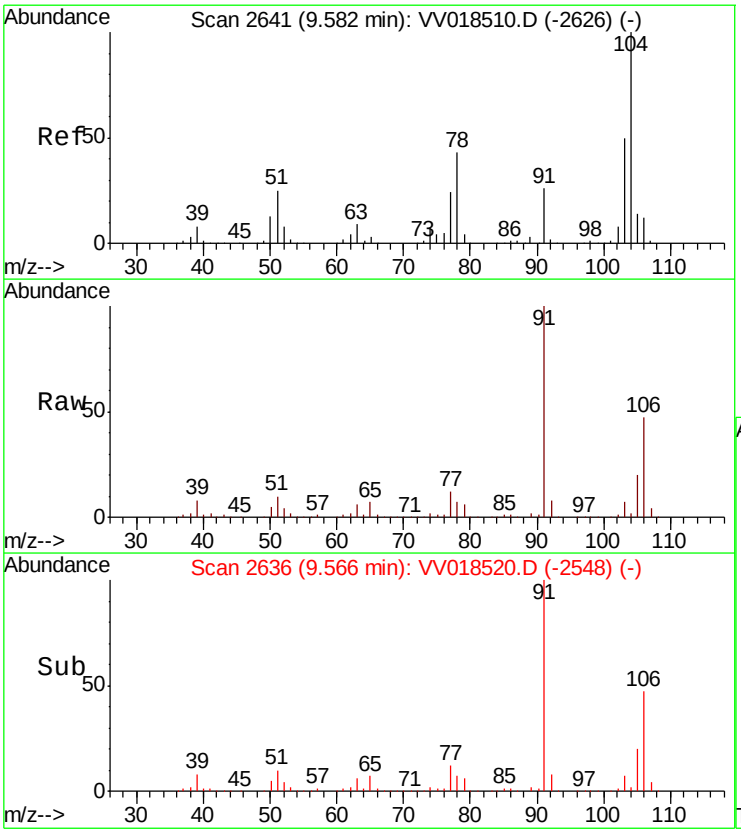

#54
o-xylene
Concen: 34.413 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion:106 Resp: 165509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.0 | 151.0 | 280.4 |

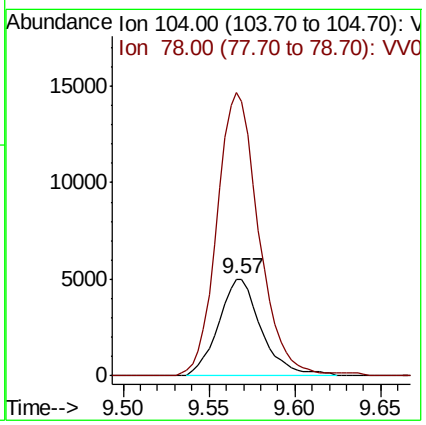


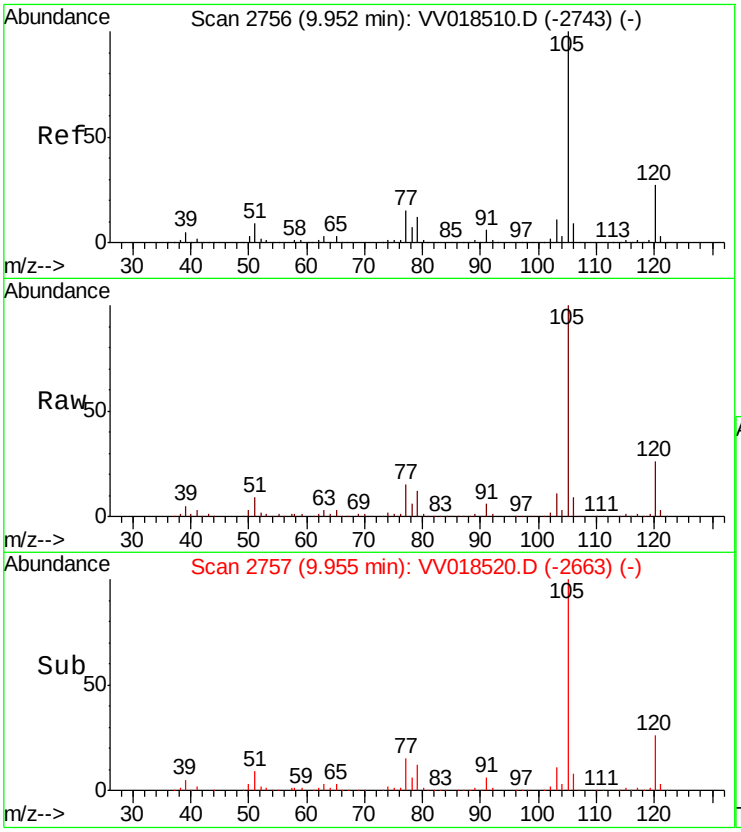




#55
Styrene
Concen: 1.037 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.02 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:104 Resp: 8682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 292.8 | 30.2 | 56.2# |



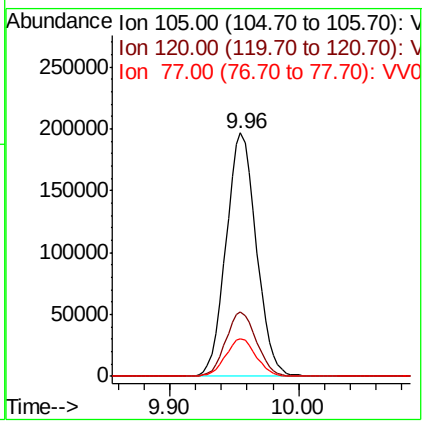


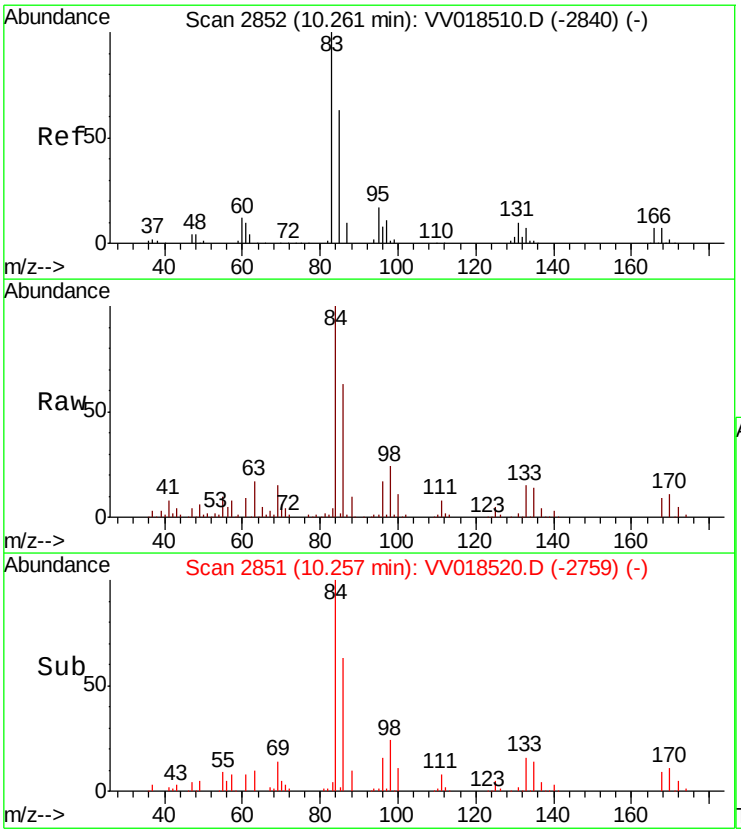

#56
Isopropylbenzene
Concen: 24.879 ug/L
RT: 9.96 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :** MSVOA_V
**ClientSampleId :** BG3X2ME

Tgt Ion:105 Resp: 320903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 21.5 | 32.3 |
| 77 | 15.6 | 12.2 | 18.2 |

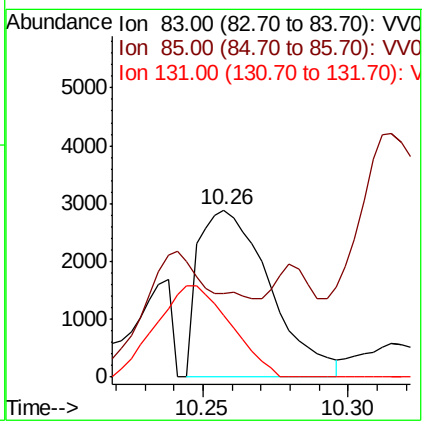


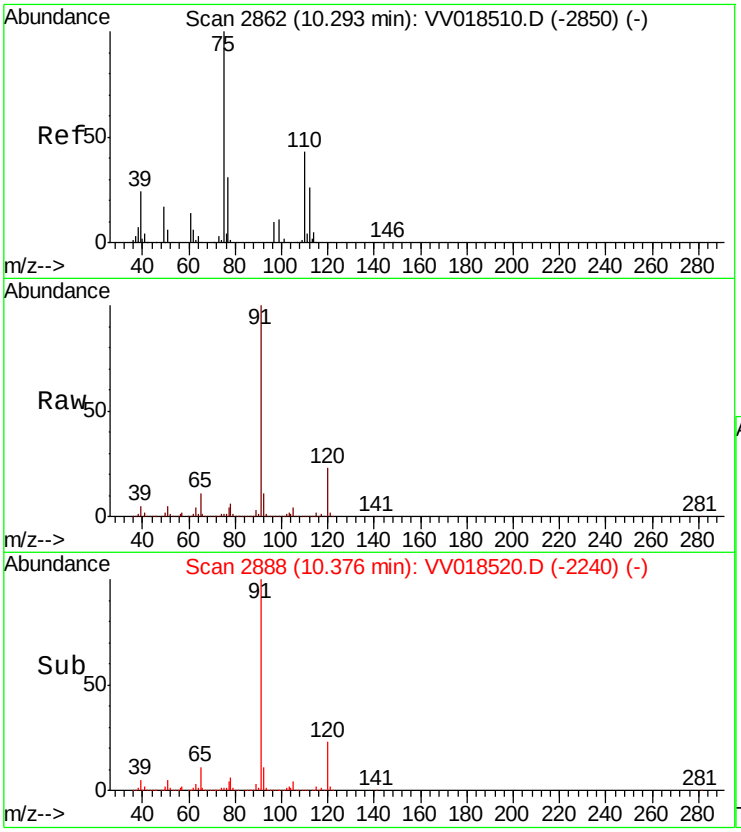




#58
1,1,2,2-Tetrachloroethane
Concen: 1.277 ug/L
RT: 10.26 min Scan# 2851
Delta R.T. -0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion: 83 Resp: 4976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 50.3 | 44.5 | 82.7 |
| 131 | 36.8 | 8.6 | 12.8# |



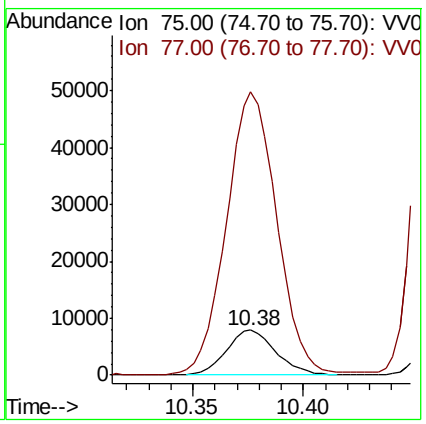


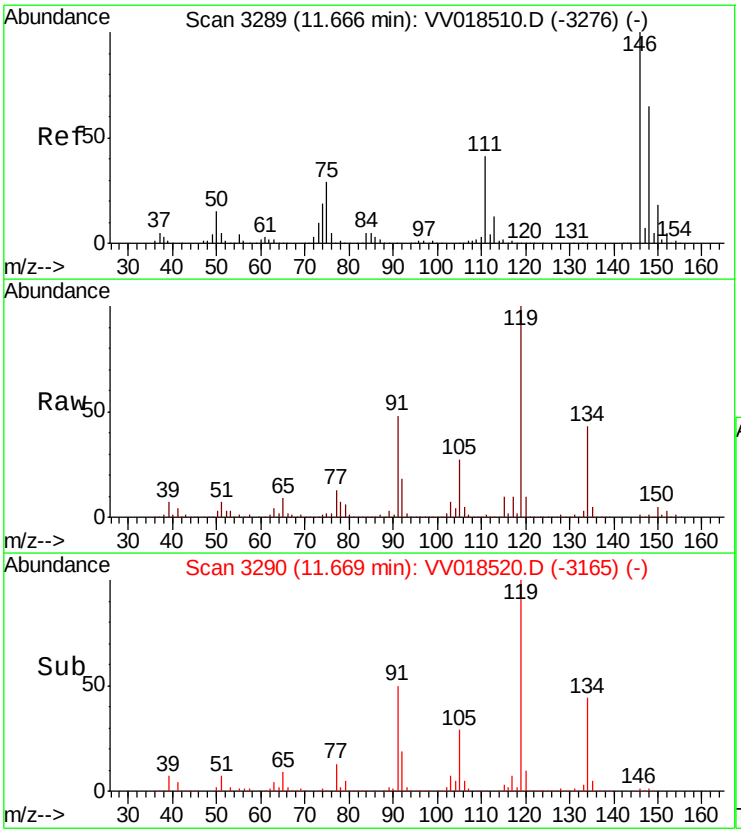

#59
1,2,3-Trichloropropane
Concen: 3.634 ug/L
RT: 10.38 min Scan# 2888
Delta R.T. 0.08 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion: 75 Resp: 12340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 640.9 | 25.4 | 38.0# |

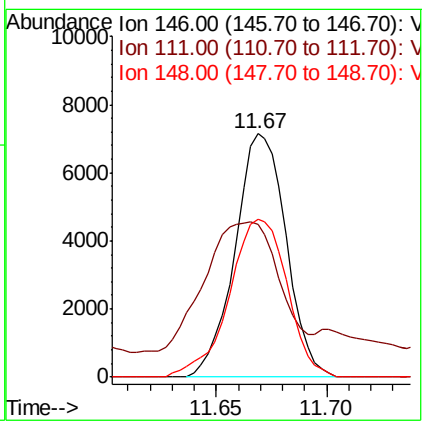


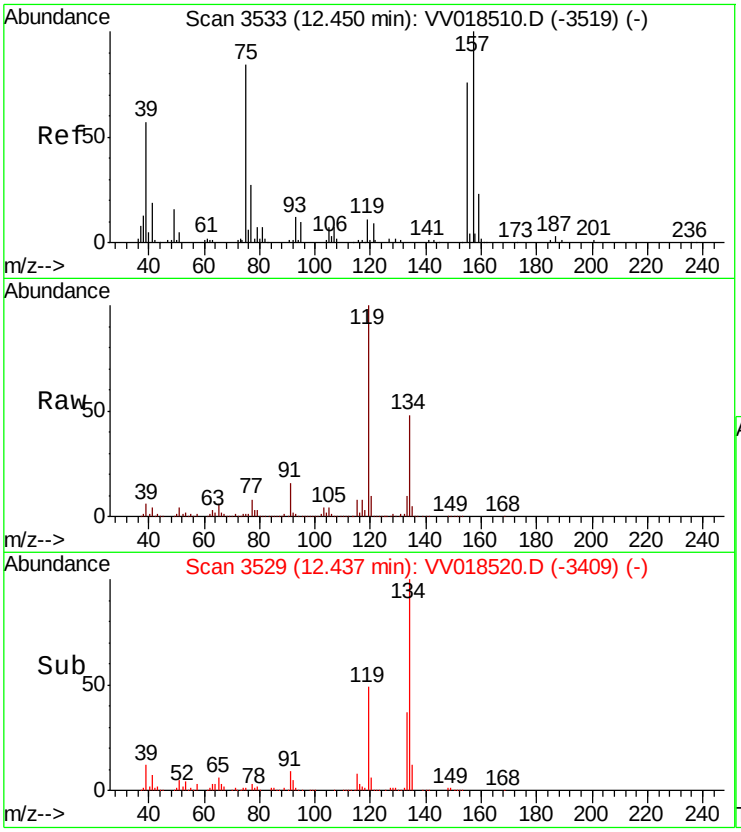




#65
1,2-Dichlorobenzene
Concen: 1.795 ug/L
RT: 11.67 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:146 Resp: 11520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 62.6 | 32.8 | 49.2# |
| 148 | 65.1 | 51.9 | 77.9 |



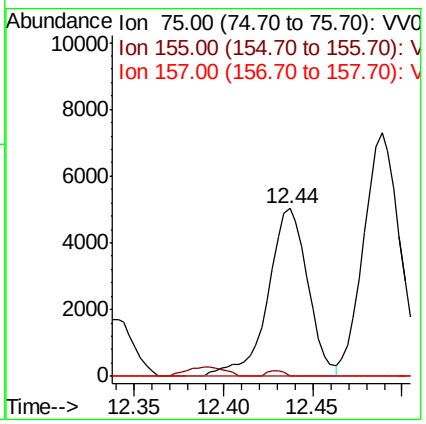


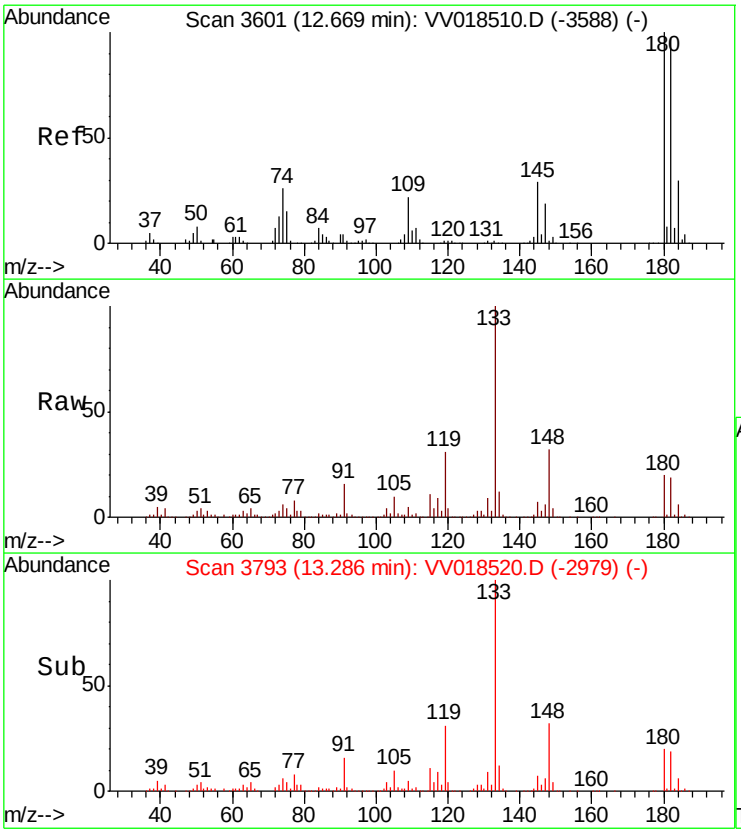

#66
1,2-Dibromo-3-chloropropane
Concen: 8.906 ug/L
RT: 12.44 min Scan# 3529
Delta R.T. -0.01 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion: 75 Resp: 7802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 73.0 | 109.6# |
| 157 | 0.0 | 95.8 | 143.6# |

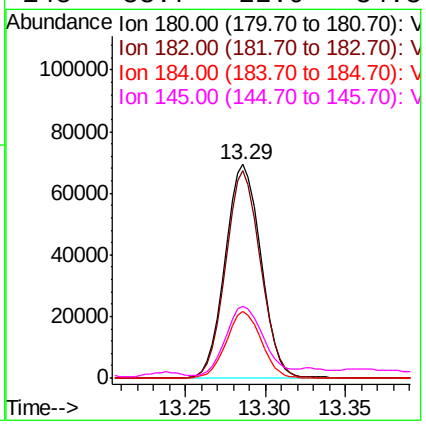


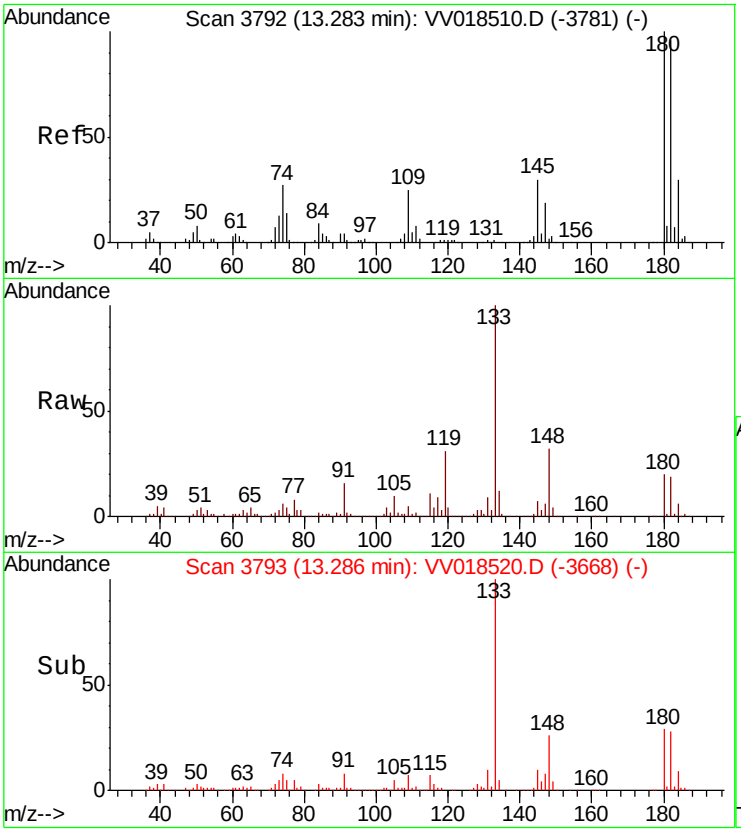




#67
1,3,5-Trichlorobenzene
Concen: 23.505 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.62 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:180 Resp: 105617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 77.1 | 115.7 |
| 184 | 30.1 | 24.3 | 36.5 |
| 145 | 33.7 | 22.9 | 34.3 |



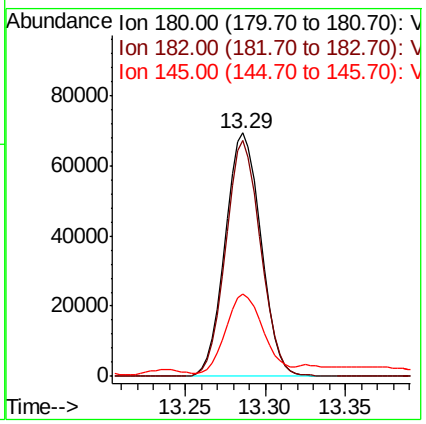


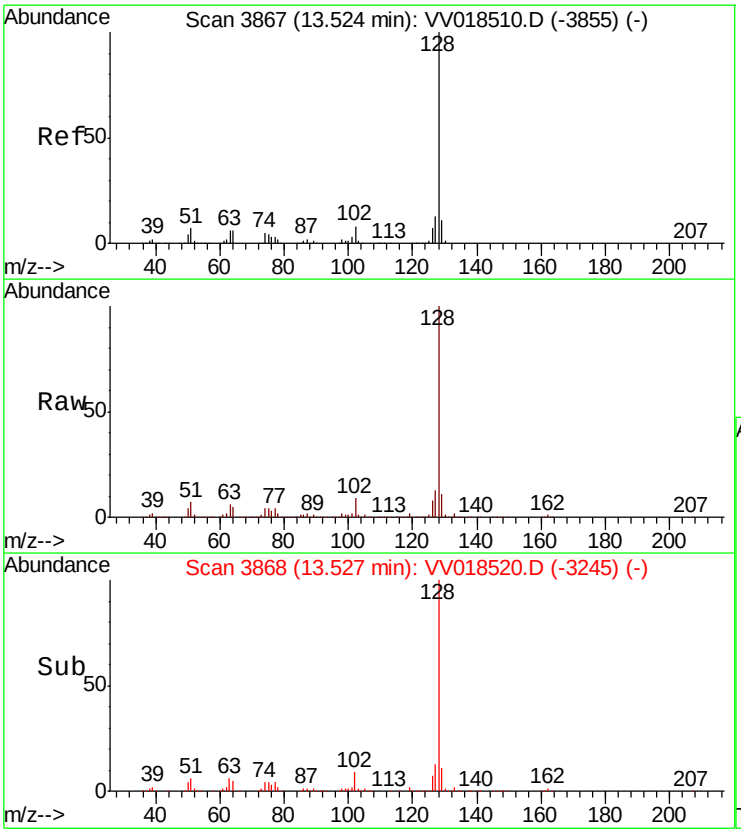

#68
1,2,4-trichlorobenzene
Concen: 25.259 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion:180 Resp: 105617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 76.3 | 114.5 |
| 145 | 33.7 | 23.6 | 35.4 |

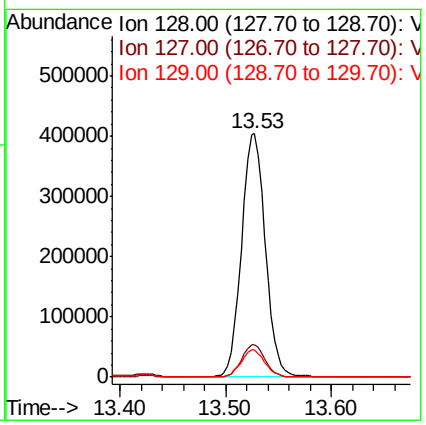


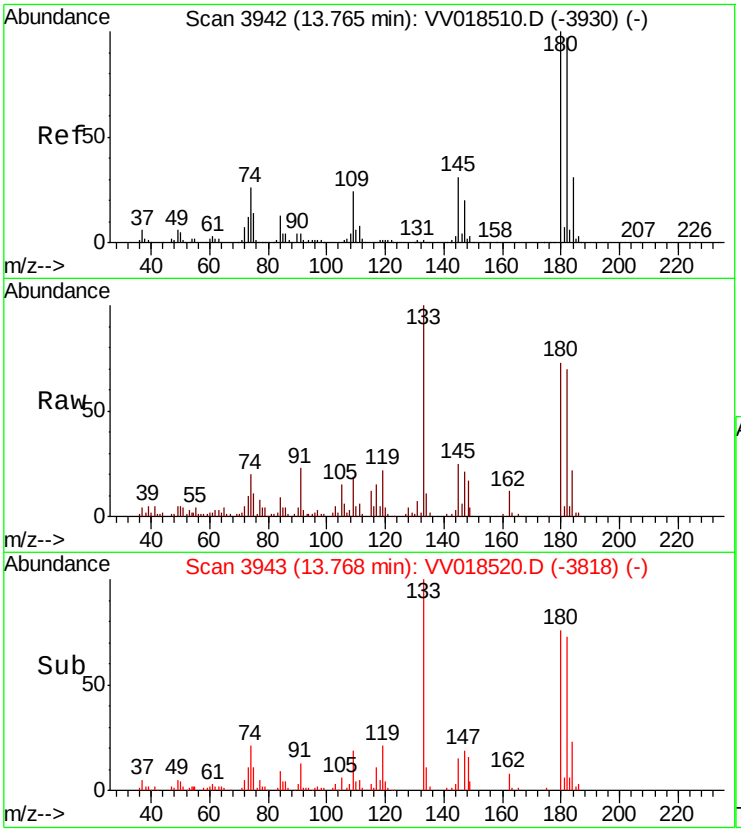




#69
Naphthalene
Concen: 52.955 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

Tgt Ion:128 Resp: 633836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.3 | 15.5 |
| 129 | 10.8 | 8.6 | 12.8 |






#70
1,2,3-Trichlorobenzene
Concen: 6.904 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018520.D
Acq: 29 Sep 2020 16:43

**Instrument :**
MSVOA_V
**ClientSampleId :**
BG3X2ME

Tgt Ion:180 Resp: 28979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 77.1 | 115.7 |
| 145 | 15.7 | 25.1 | 37.7# |