Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
Data File : VU050861.D
Acq On : 21 Sep 2022 03:25
Operator : JC/MD
Sample : N4650-02 25X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Quant Time: Sep 21 04:43:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 21 04:30:12 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.250 | 114 | 425373 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.417 | 117 | 416463 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 182432 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 189121 | 42.912 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 85.820% | | | |
| 7) Chloroethane-d5 | 1.909 | 69 | 156332 | 49.807 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 99.620% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 63 | 231299 | 33.729 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 67.460% | | | |
| 21) 2-Butanone-d5 | 4.623 | 46 | 314824 | 110.649 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 110.650% | | | |
| 24) Chloroform-d | 5.063 | 84 | 326721 | 47.306 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.620% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 210709 | 49.505 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 99.000% | | | |
| 32) Benzene-d6 | 5.726 | 84 | 657566 | 47.936 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.880% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.690 | 67 | 224440 | 48.473 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 96.940% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 525621 | 43.836 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.680% | | | |
| 43) trans-1,3-Dichloroprop... | 8.179 | 79 | 85269 | 42.332 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 84.660% | | | |
| 47) 2-Hexanone-d5 | 8.632 | 63 | 187537 | 98.283 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 98.280% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84 | 330934 | 46.879 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.760% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 191683 | 50.183 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 100.360% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Vinyl chloride | 1.604 | 62 | 158317 | 31.581 | ug/L | 98 |
| 8) Chloroethane | 1.929 | 64 | 89779 | 32.346 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565 | 101 | 2243 | 0.644 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 3078 | 0.941 | ug/L # | 1 |
| 16) Methylene chloride | 3.047 | 84 | 5388 | 1.187 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 3.356 | 96 | 4667 | 1.392 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.867 | 63 | 393640 | 58.123 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 4.665 | 96 | 182102 | 49.000 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.800 | 62 | 3158 | 0.616 | ug/L | 96 |
| 30) 1,1,1-Trichloroethane | 5.314 | 97 | 39150 | 7.066 | ug/L | 100 |
| 31) Carbon tetrachloride | 5.311 | 117 | 5009 | 1.088 | ug/L | 90 |
| 39) cis-1,3-Dichloropropene | 7.565 | 75 | 4999 | 0.891 | ug/L # | 59 |
| 42) Toluene | 7.967 | 91 | 46430 | 3.052 | ug/L | 99 |
| 52) Ethylbenzene | 9.568 | 91 | 119004 | 7.840 | ug/L | 99 |
| 53) m,p-Xylene | 9.690 | 106 | 104167 | 18.459 | ug/L | 98 |
| 54) o-Xylene | 10.099 | 106 | 54732 | 9.734 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.086 | 105 | 68057 | 6.350 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.465 | 105 | 370944 | 34.950 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.211 | 146 | 4530 | 0.718 | ug/L # | 83 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
Data File : VU050861.D
Acq On : 21 Sep 2022 03:25
Operator : JC/MD
Sample : N4650-02 25X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Quant Time: Sep 21 04:43:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 21 04:30:12 2022
Response via : Initial Calibration

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

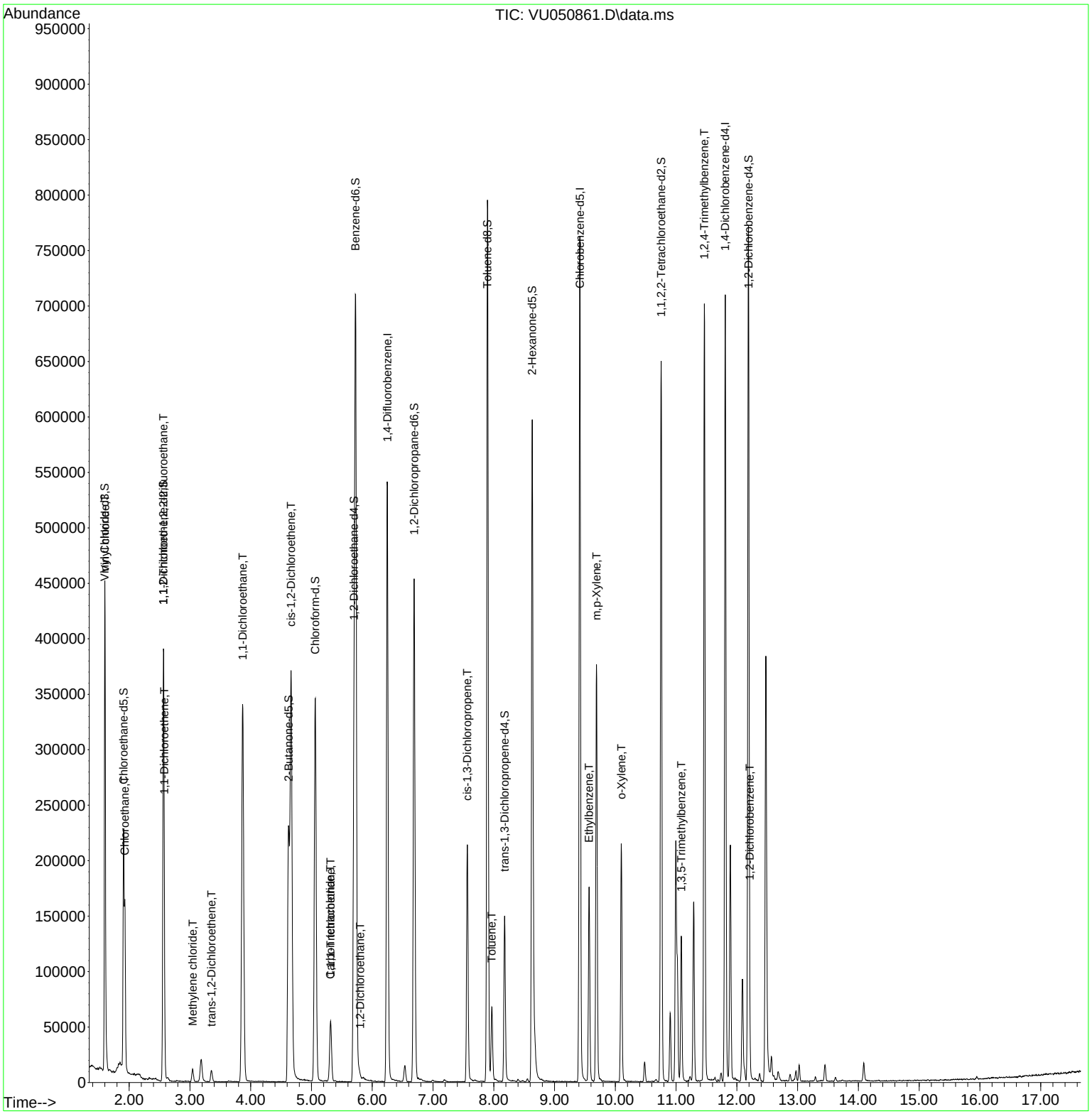
(#) = qualifier out of range (m) = manual integration (+) = signals summed

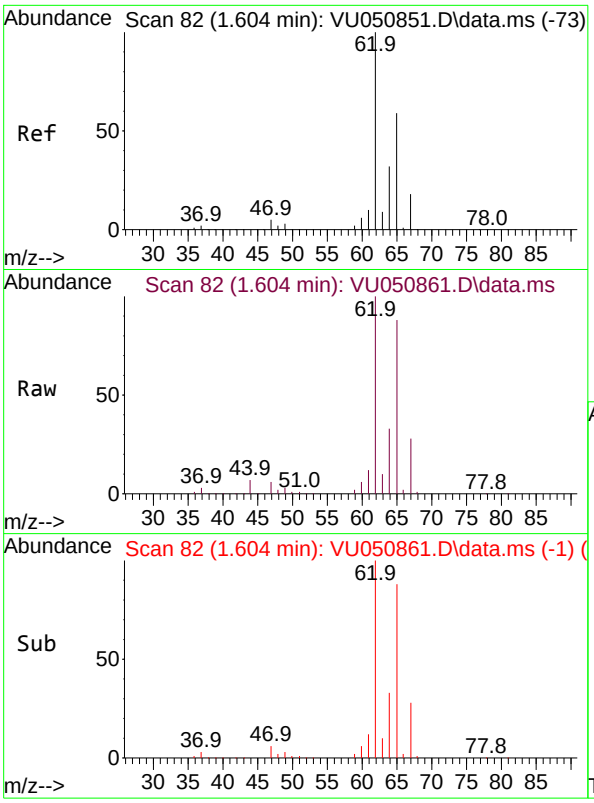
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
Data File : VU050861.D
Acq On : 21 Sep 2022 03:25
Operator : JC/MD
Sample : N4650-02 25X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Quant Time: Sep 21 04:43:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 21 04:30:12 2022
Response via : Initial Calibration



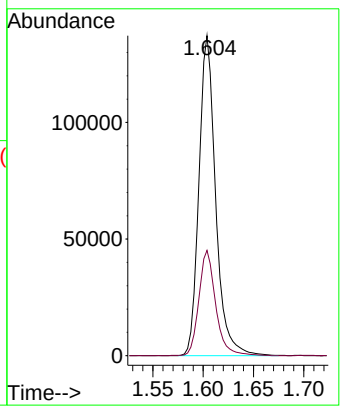


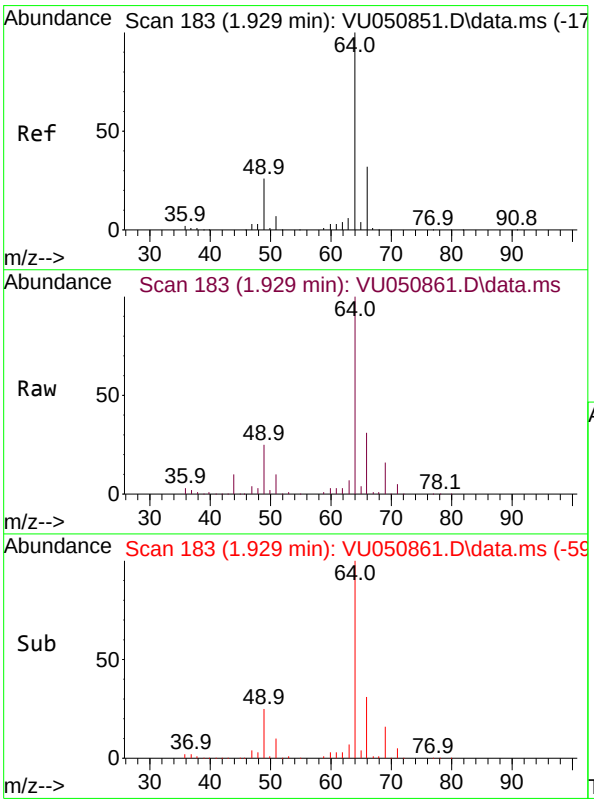

#5
Vinyl chloride
Concen: 31.581 ug/L
RT: 1.604 min Scan# 8
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion: 62 Resp: 158317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 22.2 | 41.2 |

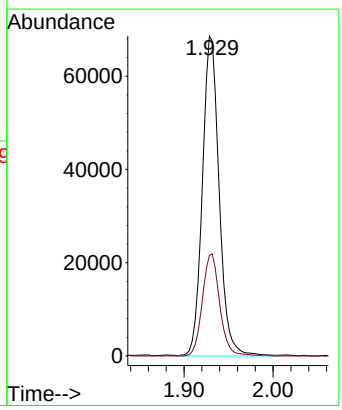


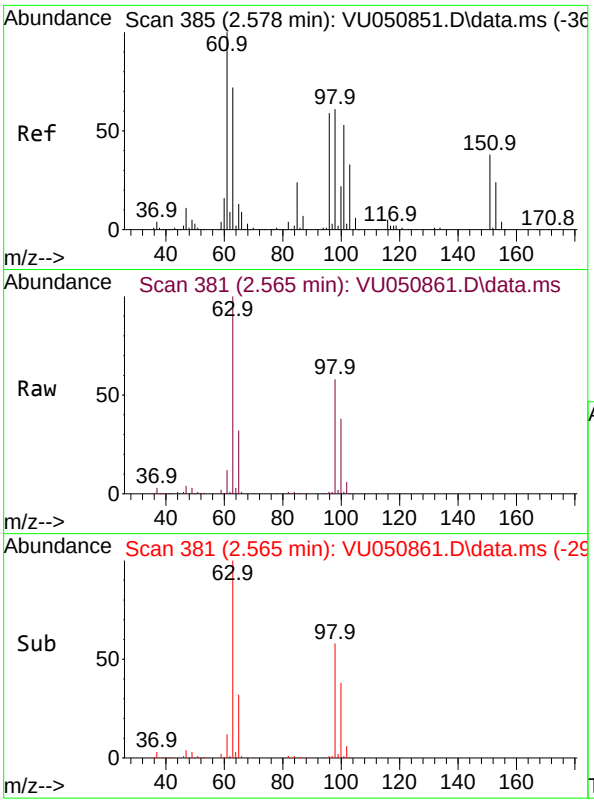




#8
Chloroethane
Concen: 32.346 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 64 Resp: 89779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.4 | 22.9 | 42.5 |



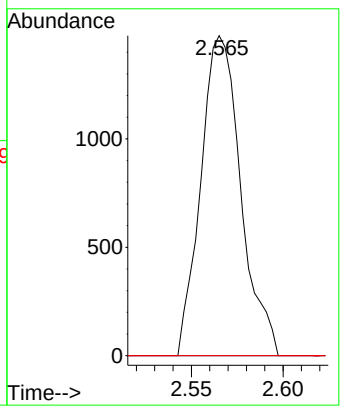


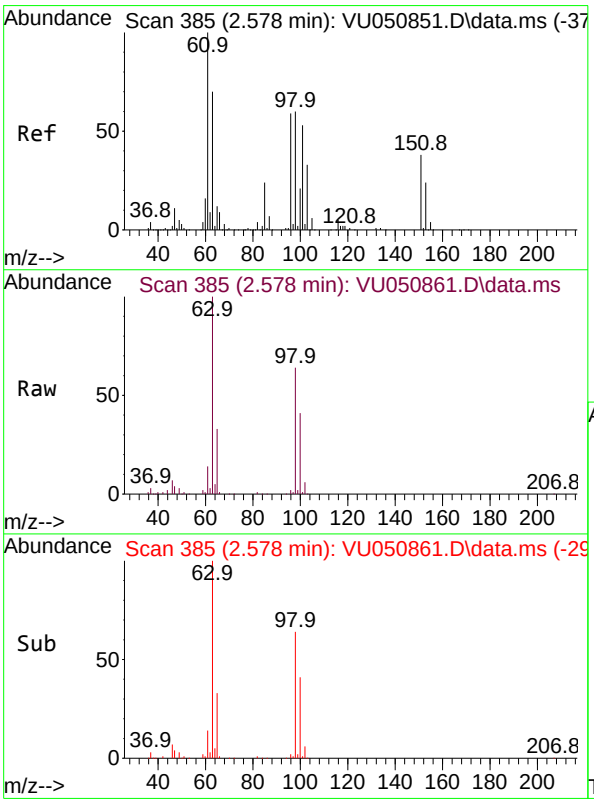

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.644 ug/L
RT: 2.565 min Scan# 3
Delta R.T. -0.013 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion:101 Resp: 2243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.1 | 52.7# |
| 151 | 0.0 | 56.6 | 84.8# |

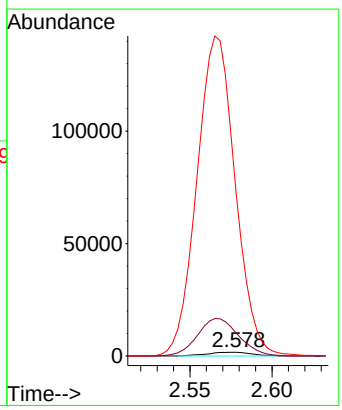


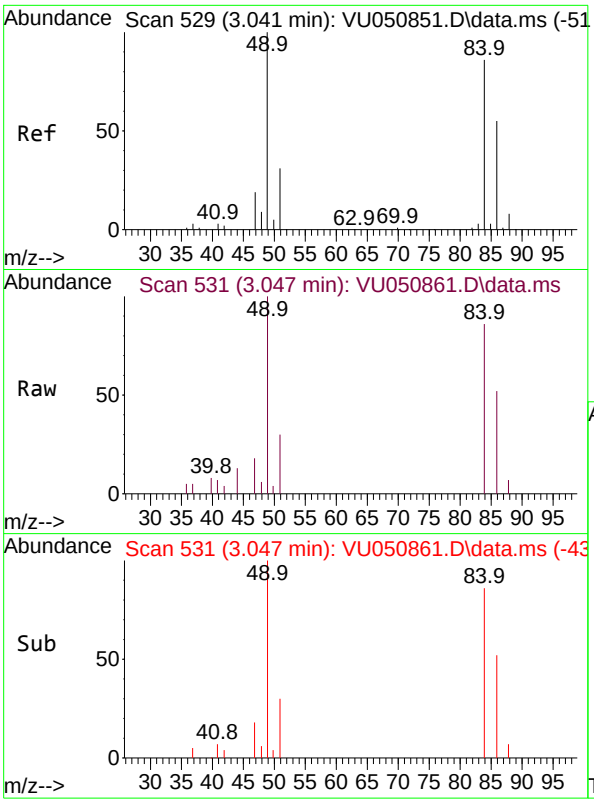




#12
1,1-Dichloroethene
Concen: 0.941 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 96 Resp: 3078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 628.1 | 118.6 | 220.2# |
| 63 | 4464.9 | 90.4 | 168.0# |



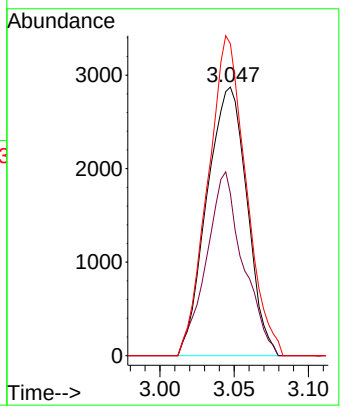


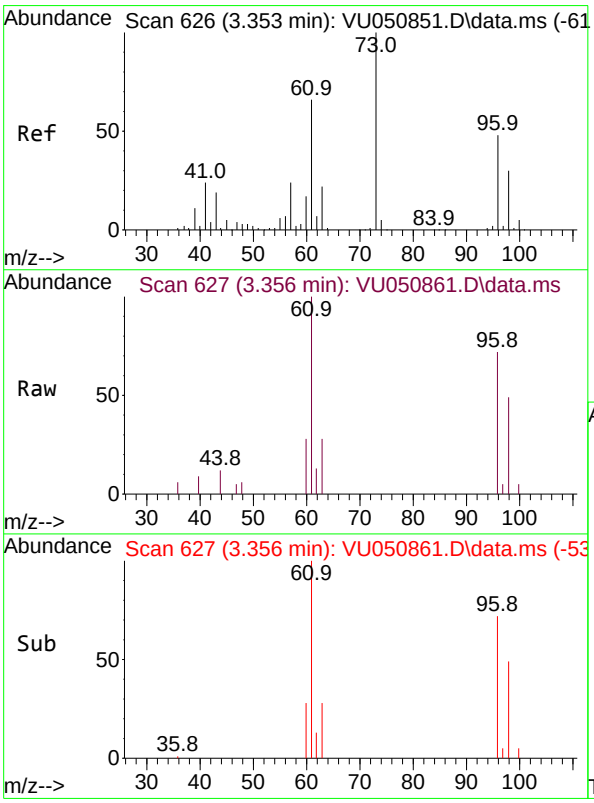

#16
Methylene chloride
Concen: 1.187 ug/L
RT: 3.047 min Scan# 5
Delta R.T. 0.006 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion: 84 Resp: 5388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 60.4 | 44.4 | 82.5 |
| 49 | 116.2 | 83.3 | 154.7 |

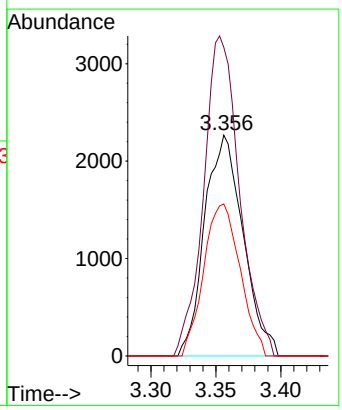


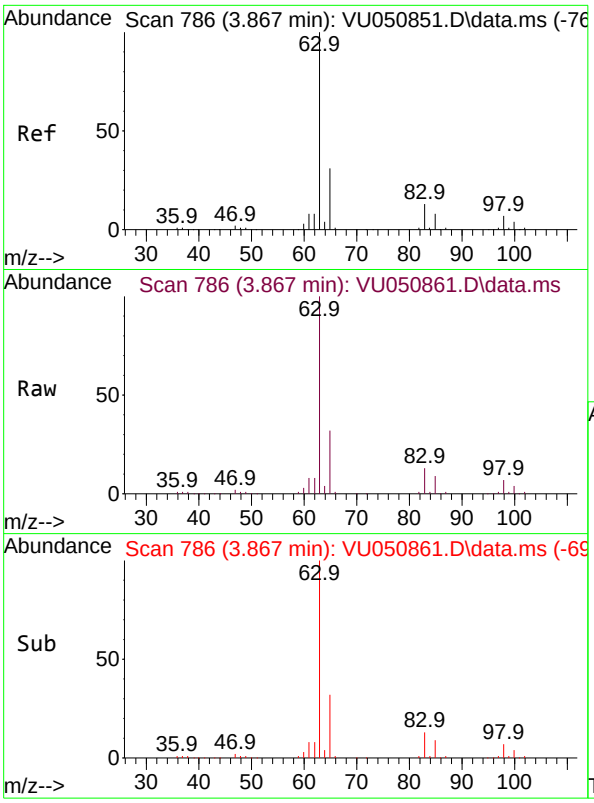




#17
trans-1,2-Dichloroethene
Concen: 1.392 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 96 Resp: 4667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.7 | 98.0 | 182.0 |
| 98 | 68.9 | 44.3 | 82.3 |



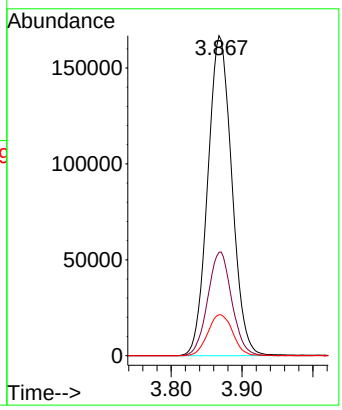


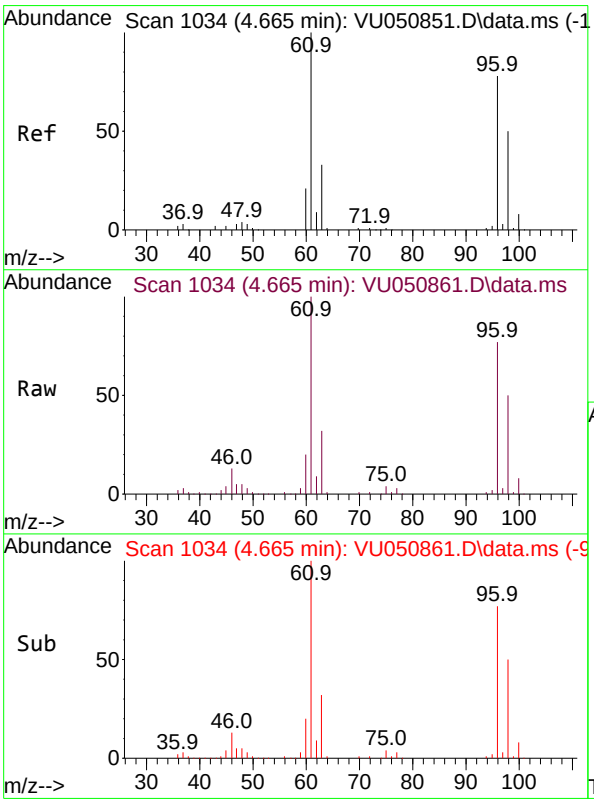

#19
1,1-Dichloroethane
Concen: 58.123 ug/L
RT: 3.867 min Scan# 7
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion: 63 Resp: 393640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.3 | 21.5 | 39.9 |
| 83 | 12.8 | 9.3 | 17.3 |

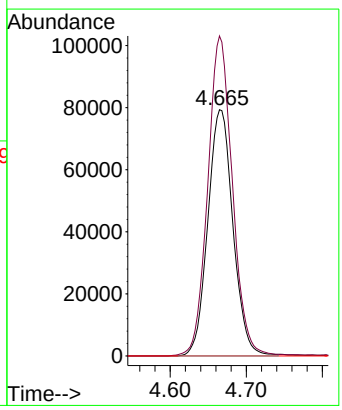


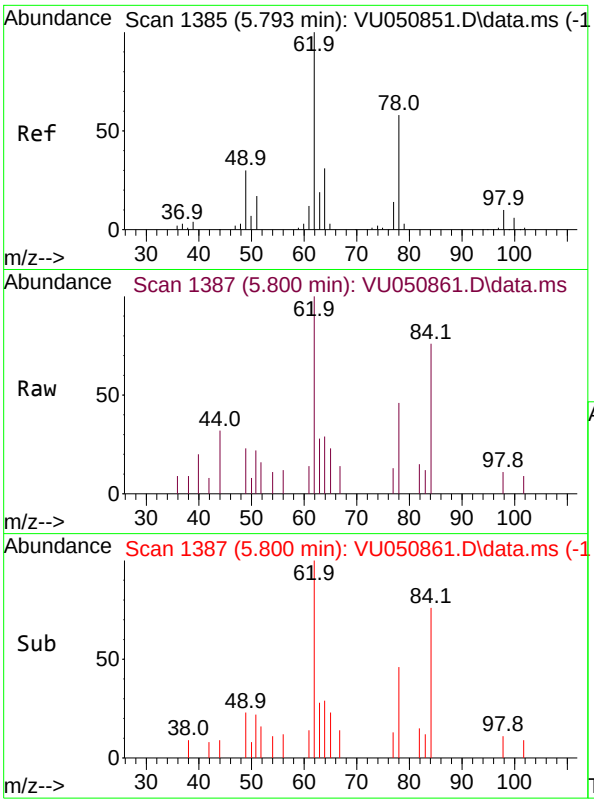




#20
cis-1,2-Dichloroethene
Concen: 49.000 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 96 Resp: 182102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.9 | 90.1 | 167.3 |
| 68 | 0.0 | 0.0 | 0.0 |



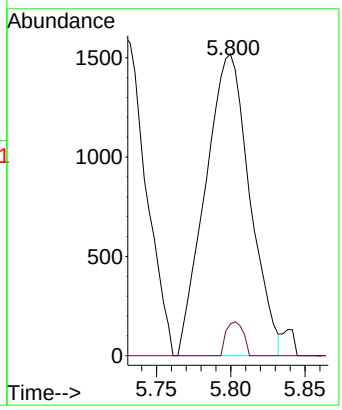


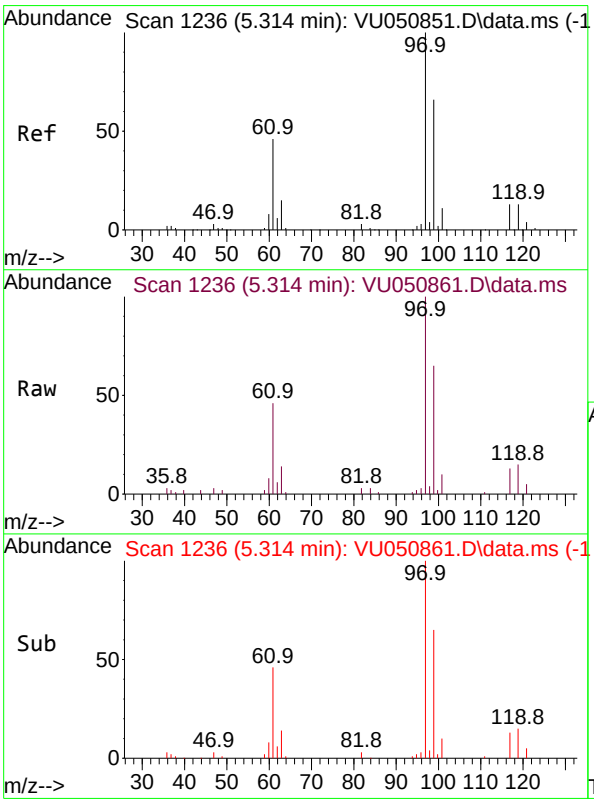

#27
1,2-Dichloroethane
Concen: 0.616 ug/L
RT: 5.800 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion: 62 Resp: 3158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.5 | 7.4 | 11.0 |

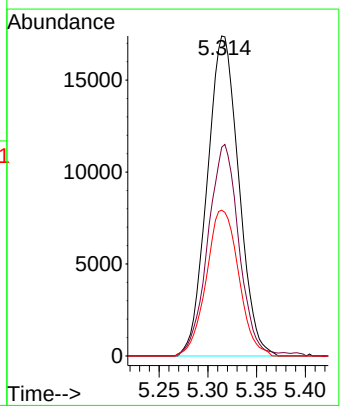


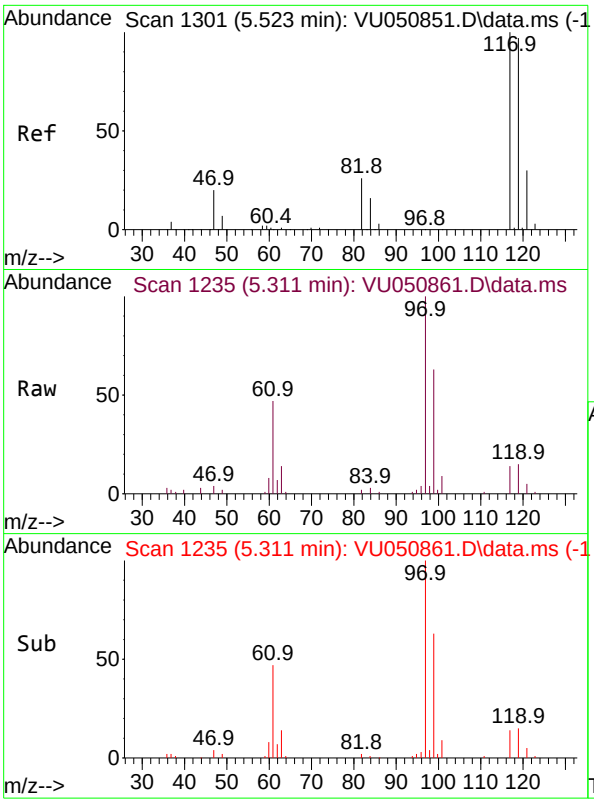




#30
1,1,1-Trichloroethane
Concen: 7.066 ug/L
RT: 5.314 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 97 Resp: 39150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.0 | 52.2 | 78.2 |
| 61 | 46.8 | 37.1 | 55.7 |



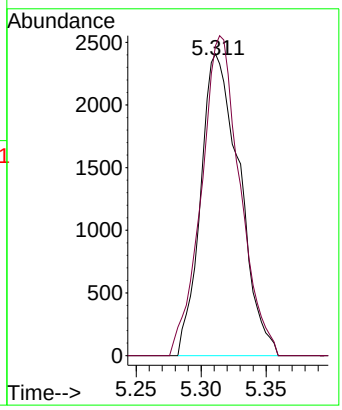


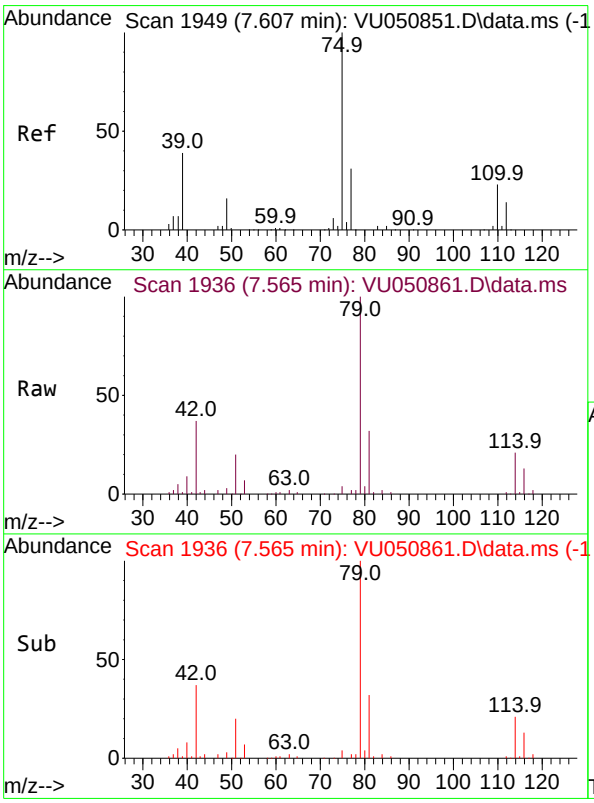

#31
Carbon tetrachloride
Concen: 1.088 ug/L
RT: 5.311 min Scan# 1
Delta R.T. -0.212 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion:117 Resp: 5009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 105.2 | 76.0 | 114.0 |

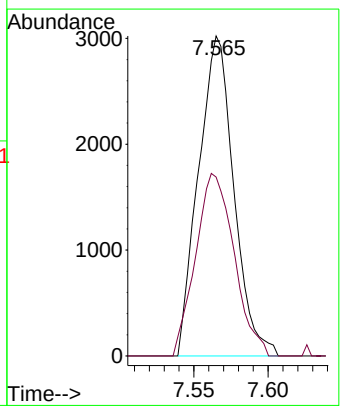


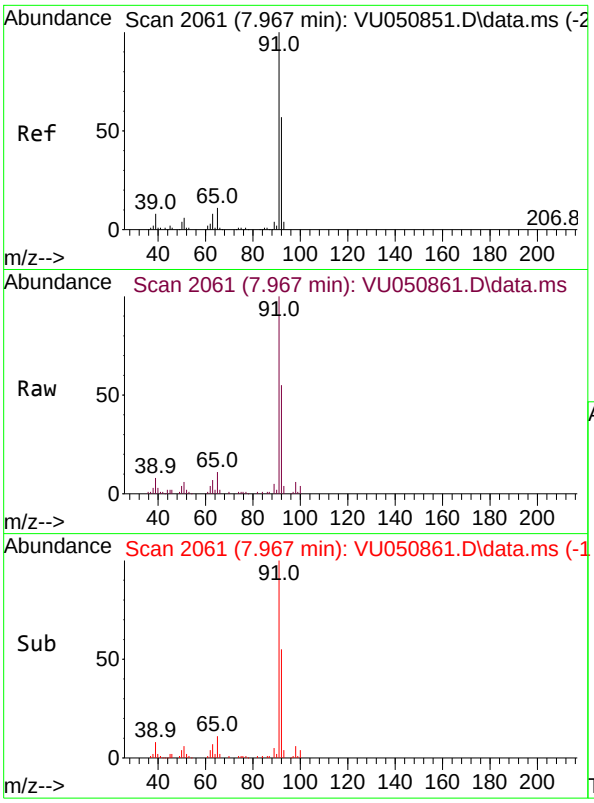




#39
cis-1,3-Dichloropropene
Concen: 0.891 ug/L
RT: 7.565 min Scan# 1936
Delta R.T. -0.042 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 75 Resp: 4999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 55.9 | 22.8 | 42.4# |



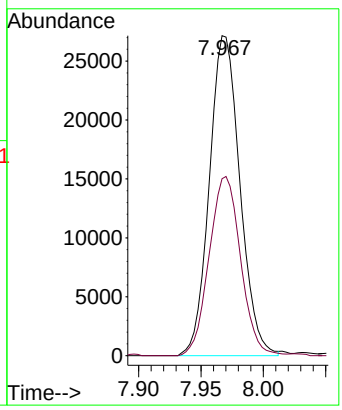


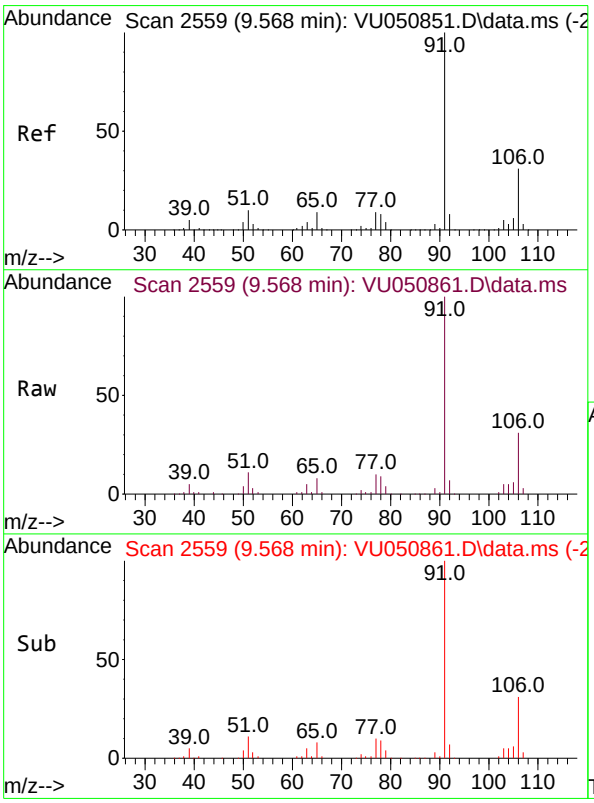

#42
Toluene
Concen: 3.052 ug/L
RT: 7.967 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion: 91 Resp: 46430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.3 | 39.1 | 72.5 |

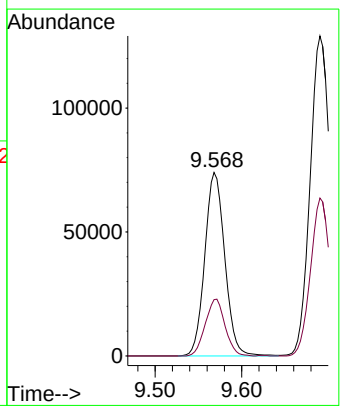


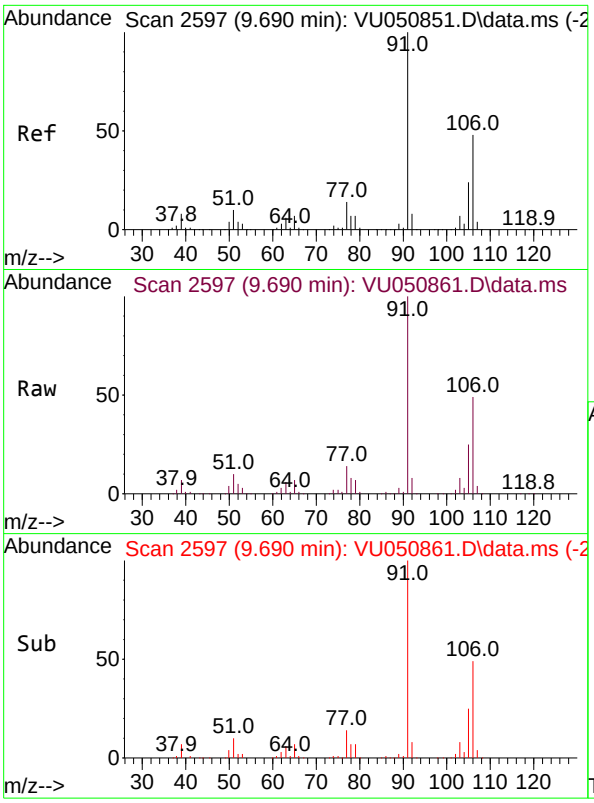




#52
Ethylbenzene
Concen: 7.840 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion: 91 Resp: 119004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 21.0 | 39.0 |



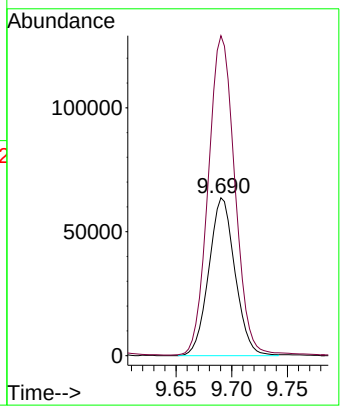


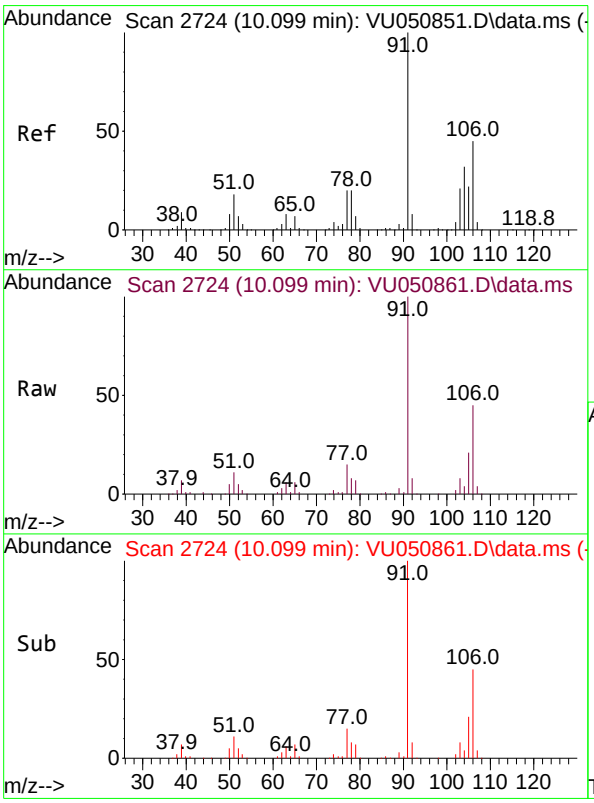

#53
m,p-Xylene
Concen: 18.459 ug/L
RT: 9.690 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion:106 Resp: 104167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.6 | 144.0 | 267.4 |

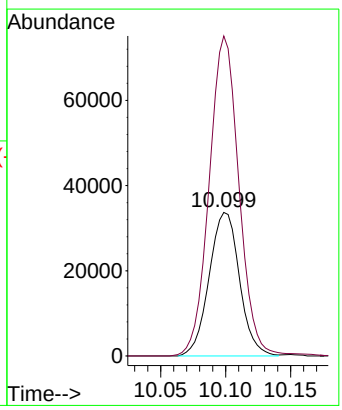


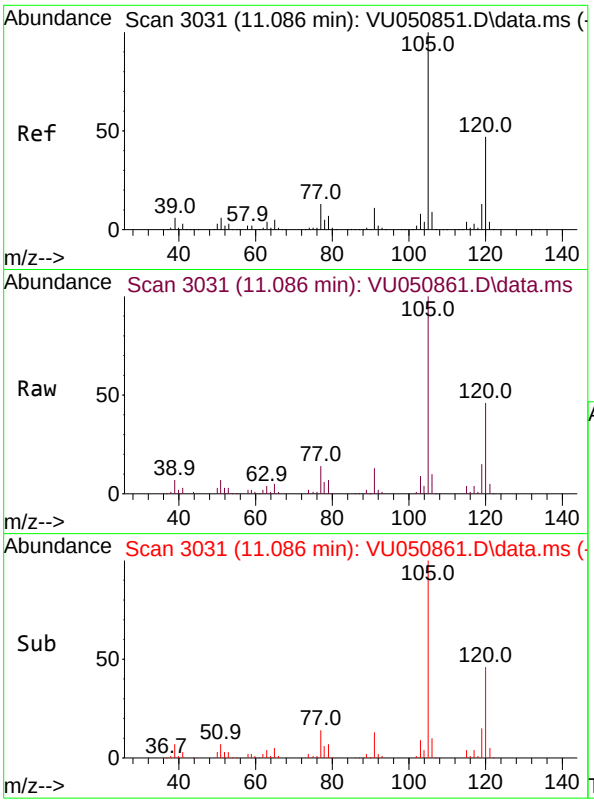




#54
o-Xylene
Concen: 9.734 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion:106 Resp: 54732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.9 | 154.6 | 287.0 |



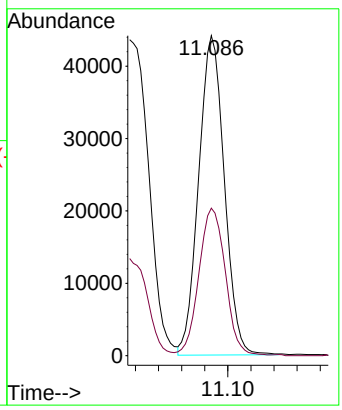


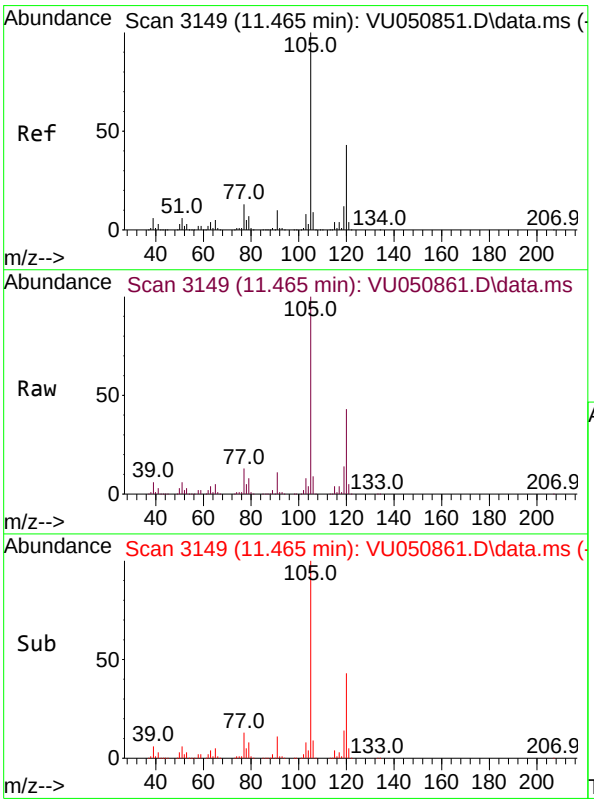

#62
1,3,5-Trimethylbenzene
Concen: 6.350 ug/L
RT: 11.086 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion:105 Resp: 68057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 37.9 | 56.9 |

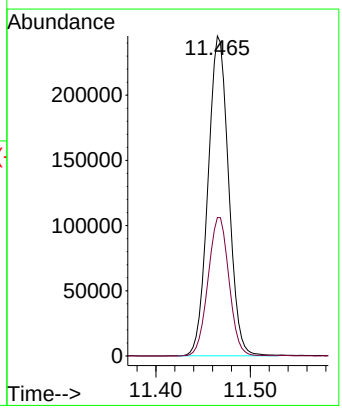


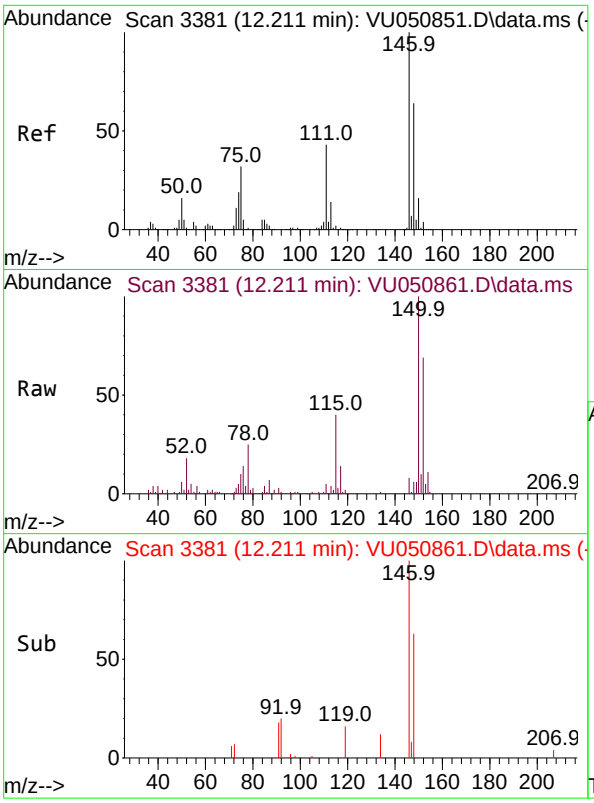




#63
1,2,4-Trimethylbenzene
Concen: 34.950 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

Tgt Ion:105 Resp: 370944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 34.9 | 52.3 |






#67
1,2-Dichlorobenzene
Concen: 0.718 ug/L
RT: 12.211 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU050861.D
Acq: 21 Sep 2022 03:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
EXYZ7

Tgt Ion:146 Resp: 4530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 59.9 | 35.2 | 52.8# |
| 148 | 74.0 | 52.0 | 78.0 |