Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121621\
Data File : VV024006.D
Acq On : 16 Dec 2021 12:28
Operator : SY/MD
Sample : M4971-13DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 17 02:00:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 16 04:44:29 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 94777 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.853 | 117 | 98809 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152 | 49119 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 15974 | 3.135 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 62.800% | | | |
| 7) Chloroethane-d5 | 1.568 | 69 | 16197 | 3.810 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 76.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.105 | 63 | 22760 | 2.288 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 45.800%# | | | |
| 20) 2-Butanone-d5 | 3.899 | 46 | 69203 | 69.520 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 139.040%# | | | |
| 24) Chloroform-d | 4.349 | 84 | 50851 | 4.406 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 26095 | 4.856 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.200% | | | |
| 32) Benzene-d6 | 5.050 | 84 | 75789 | 3.873 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 77.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.072 | 67 | 27087 | 4.588 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 91.800% | | | |
| 41) Toluene-d8 | 7.317 | 98 | 58097 | 3.297 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 66.000%# | | | |
| 43) trans-1,3-Dichloroprop... | 7.625 | 79 | 9767 | 3.987 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 79.800% | | | |
| 46) 2-Hexanone-d5 | 8.088 | 63 | 50328 | 45.897 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 91.800% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84 | 22592 | 4.612 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 92.200% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.625 | 152 | 29414 | 4.483 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 89.600% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.240 | 50 | 353 | 0.050 | ug/L # | 43 |
| 5) Vinyl chloride | 1.310 | 62 | 90008 | 11.774 | ug/L | 100 |
| 6) Bromomethane | 1.523 | 94 | 324 | 0.067 | ug/L | 75 |
| 8) Chloroethane | 1.310 | 64 | 28901 | 5.810 | ug/L # | 46 |
| 16) Methylene chloride | 2.506 | 84 | 3961 | 0.476 | ug/L | 93 |
| 18) trans-1,2-Dichloroethene | 2.764 | 96 | 2549 | 0.362 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.912 | 96 | 28021 | 3.761 | ug/L | 98 |
| 35) Methylcyclohexane | 6.072 | 83 | 6774 | 0.584 | ug/L # | 19 |
| 37) 1,2-Dichloropropane | 6.066 | 63 | 3277 | 0.493 | ug/L # | 84 |
| 48) 2-Hexanone | 8.140 | 43 | 3361 | 1.452 | ug/L # | 81 |
| 51) Chlorobenzene | 8.886 | 112 | 6946 | 0.330 | ug/L | 97 |
| 61) 1,2,3-Trichloropropane | 11.246 | 75 | 4855 | 1.451 | ug/L # | 64 |
| 67) 1,2-Dichlorobenzene | 11.644 | 146 | 14550 | 1.077 | ug/L | 99 |

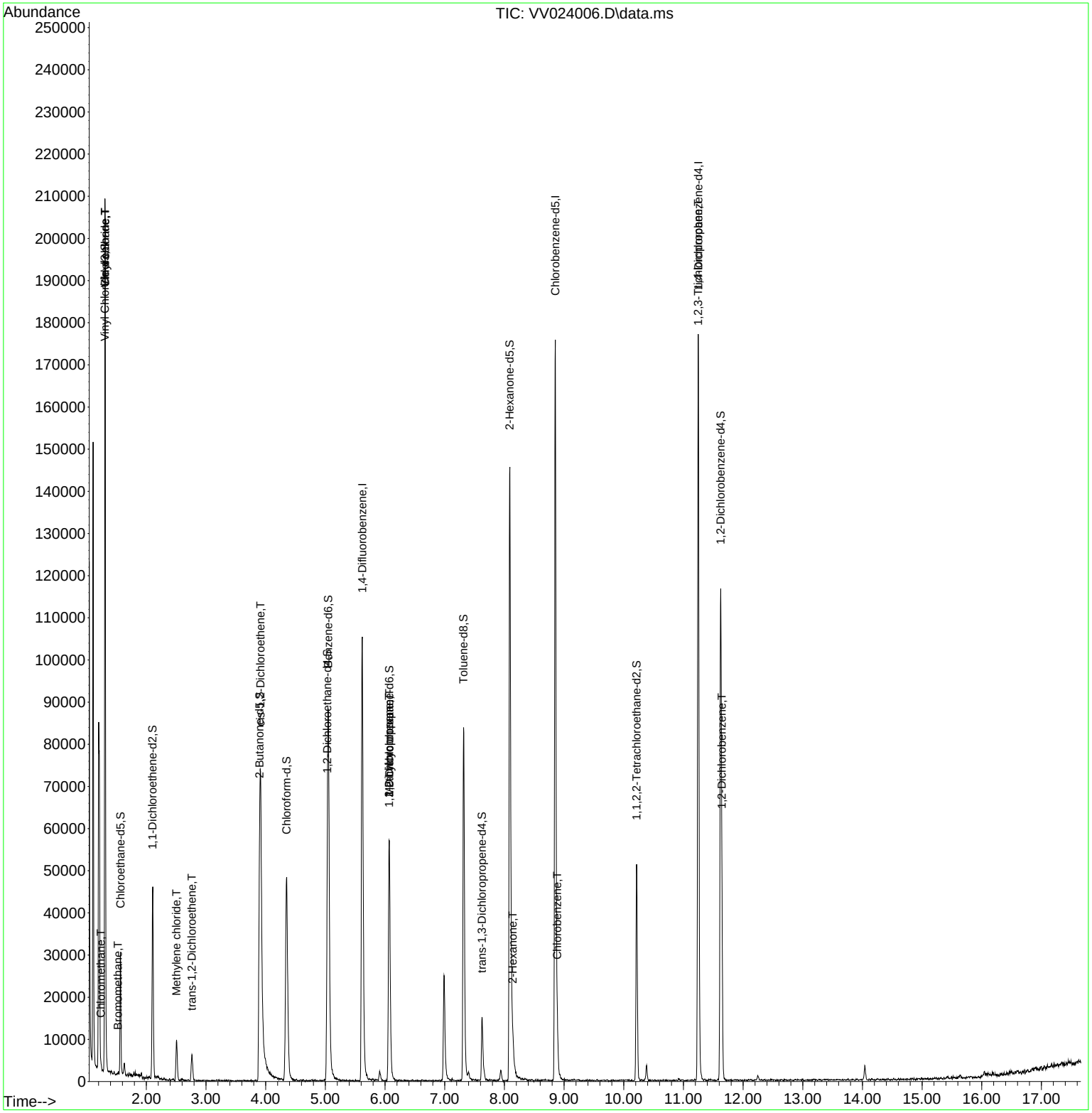
(#) = qualifier out of range (m) = manual integration (+) = signals summed

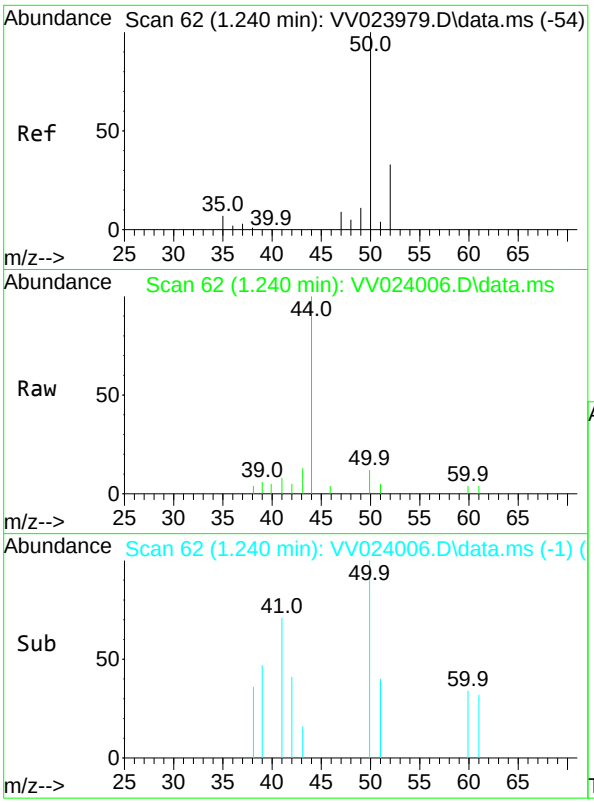
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121621\
Data File : VV024006.D
Acq On : 16 Dec 2021 12:28
Operator : SY/MD
Sample : M4971-13DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 17 02:00:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 16 04:44:29 2021
Response via : Initial Calibration



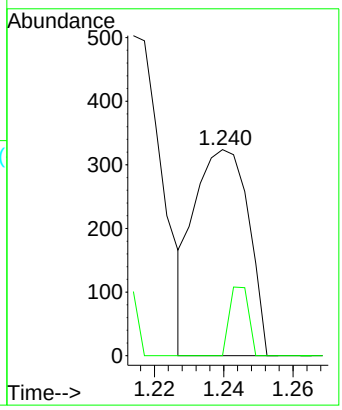


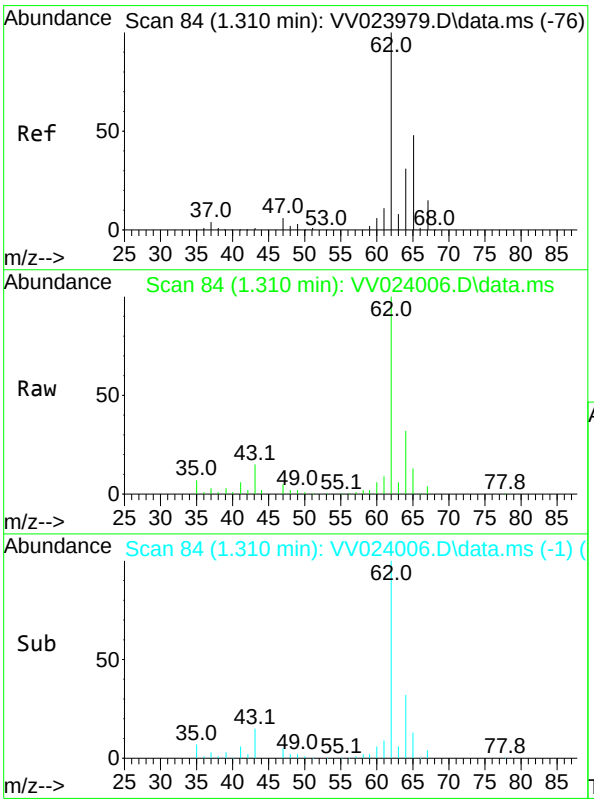

#3
Chloromethane
Concen: 0.050 ug/L
RT: 1.240 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion: 50 Resp: 353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 22.0 | 41.0# |

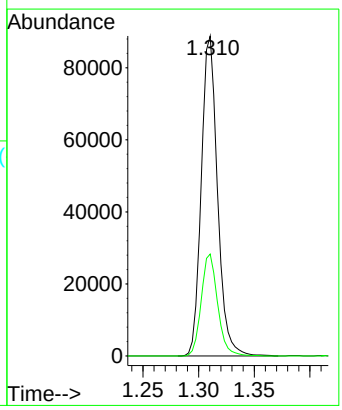


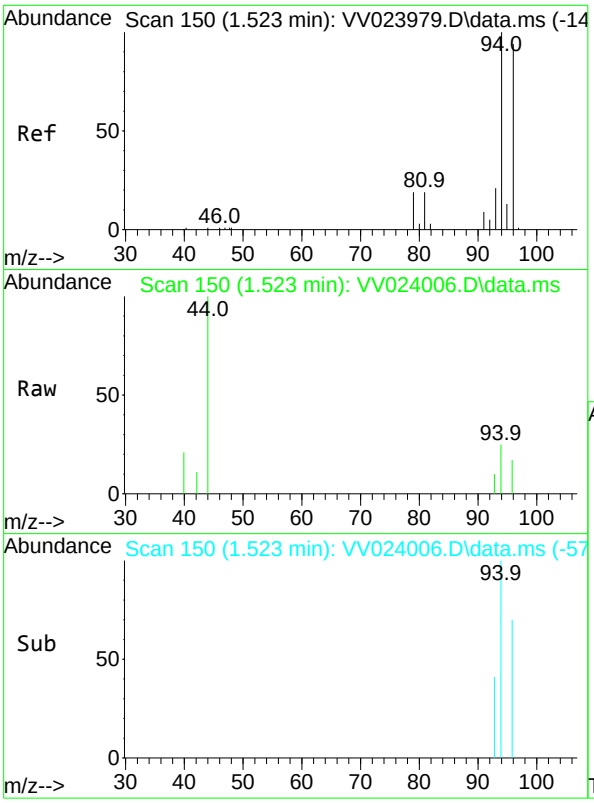




#5
Vinyl chloride
Concen: 11.774 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

Tgt Ion: 62 Resp: 90008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 22.4 | 41.6 |



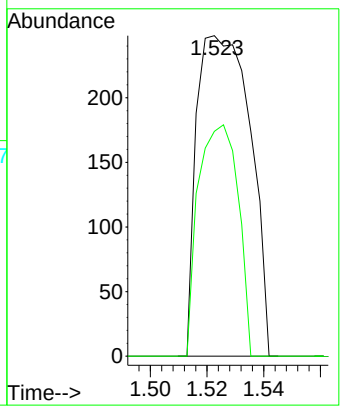


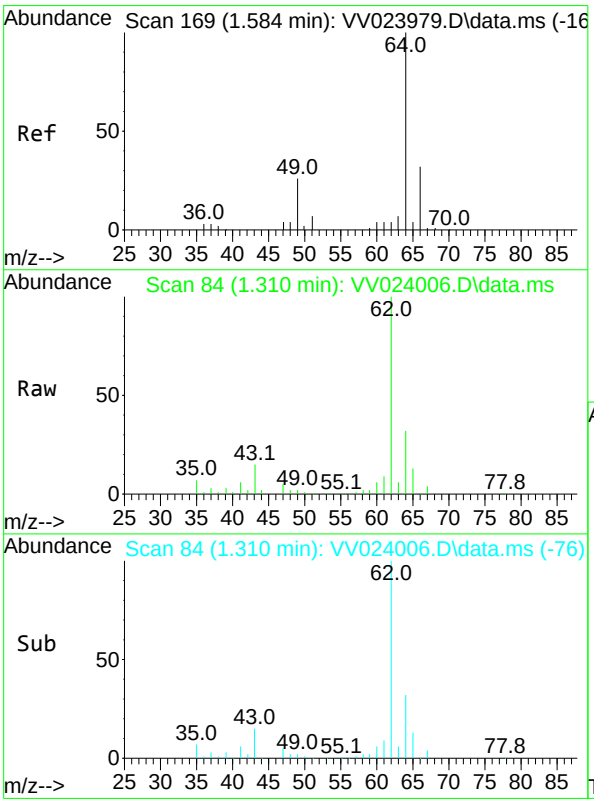

#6
Bromomethane
Concen: 0.067 ug/L
RT: 1.523 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion: 94 Resp: 324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 70.2 | 66.2 | 123.0 |

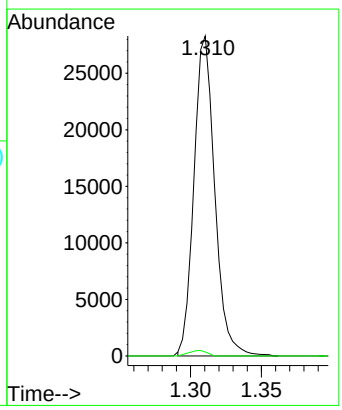


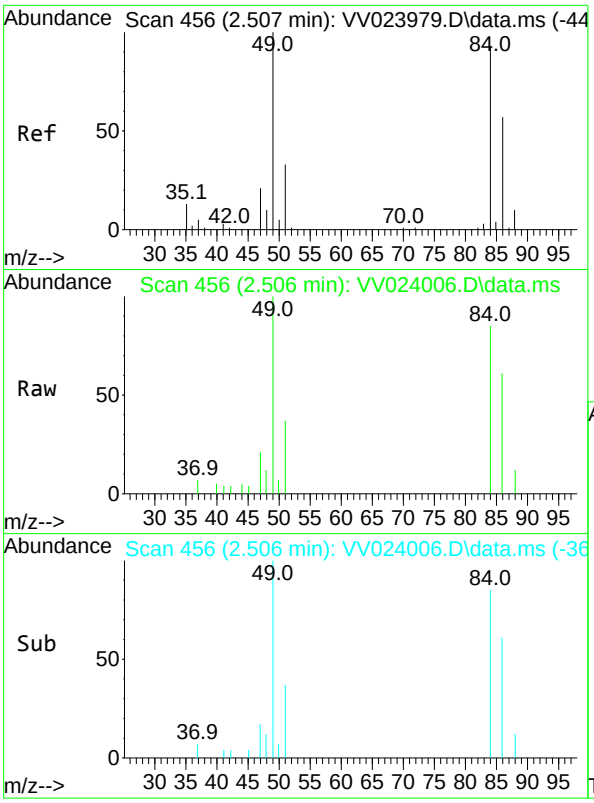




#8
Chloroethane
Concen: 5.810 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

Tgt Ion: 64 Resp: 28901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 1.3 | 21.4 | 39.8# |



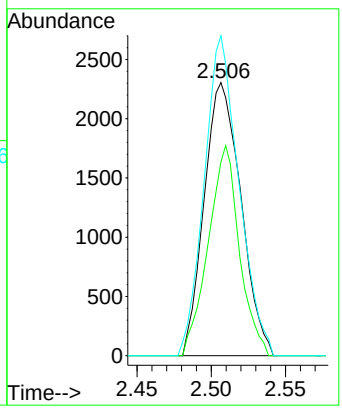


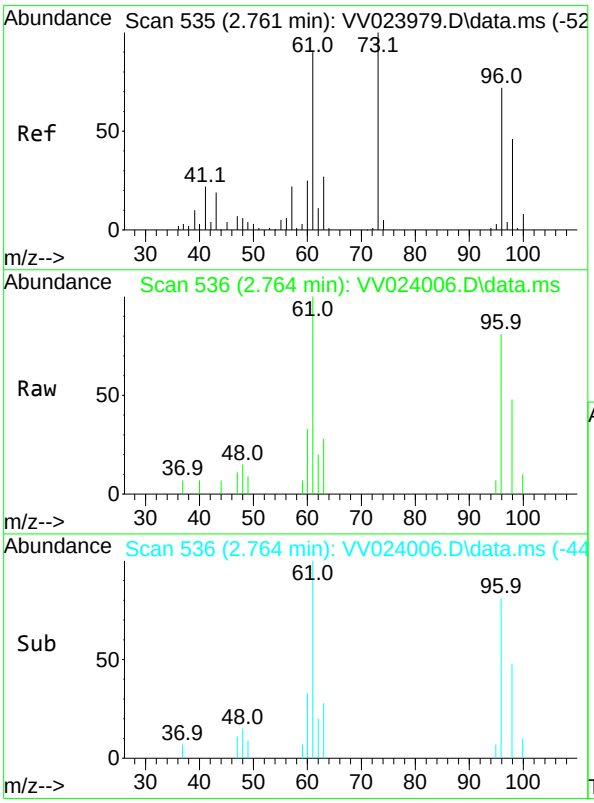

#16
Methylene chloride
Concen: 0.476 ug/L
RT: 2.506 min Scan# 4
Delta R.T. -0.000 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion: 84 Resp: 3961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 70.9 | 42.6 | 79.0 |
| 49 | 117.1 | 79.7 | 147.9 |

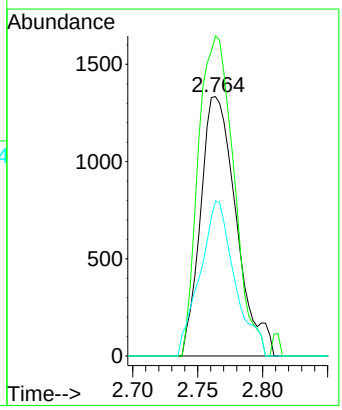


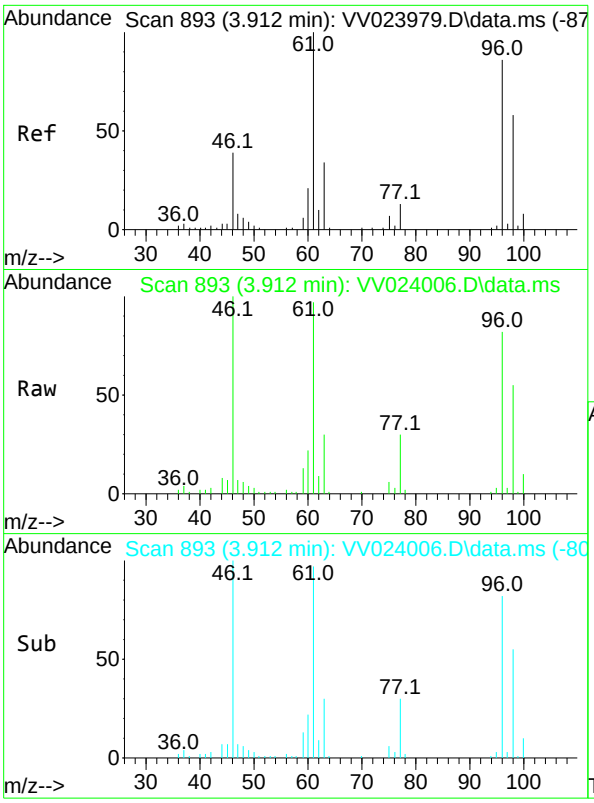




#18
trans-1,2-Dichloroethene
Concen: 0.362 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

Tgt Ion: 96 Resp: 2549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 123.4 | 88.2 | 163.8 |
| 98 | 59.7 | 44.9 | 83.5 |



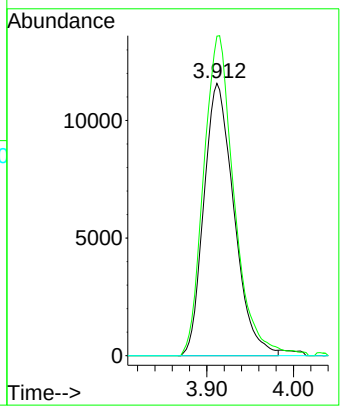


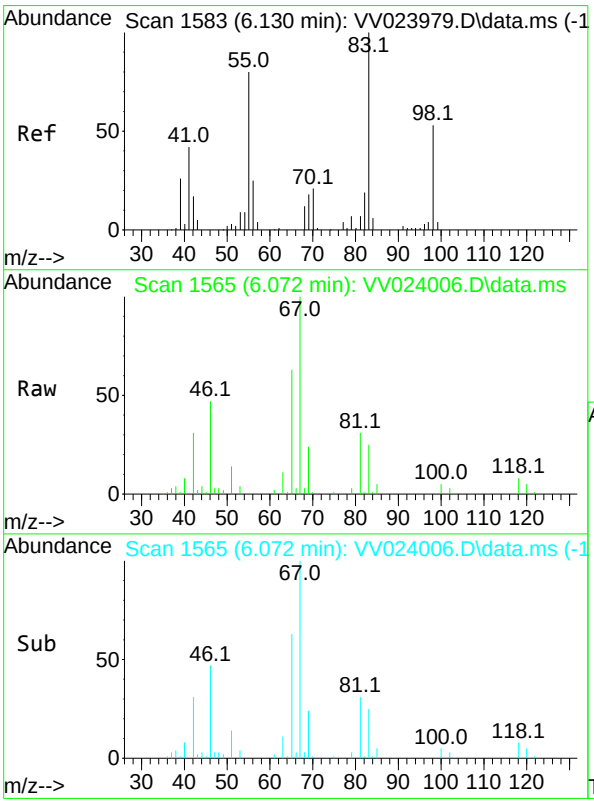

#22
cis-1,2-Dichloroethene
Concen: 3.761 ug/L
RT: 3.912 min Scan# 8
Delta R.T. -0.000 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion: 96 Resp: 28021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 117.3 | 83.4 | 154.8 |
| 68 | 0.0 | 0.0 | 0.0 |

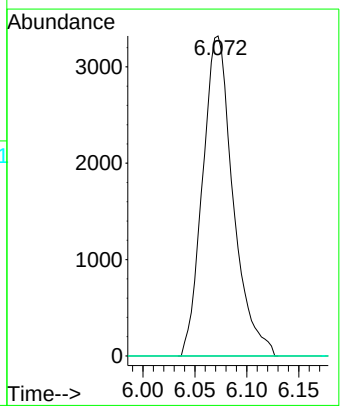


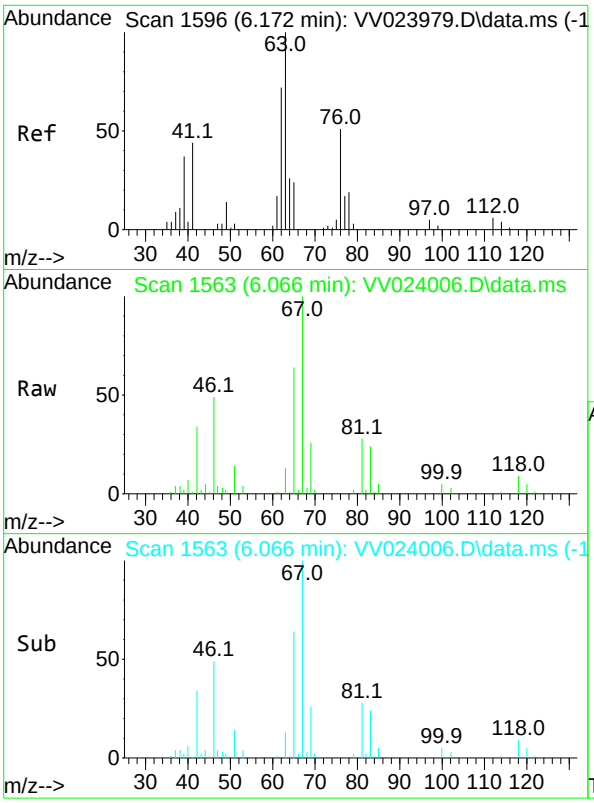




#35
Methylcyclohexane
Concen: 0.584 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

Tgt Ion: 83 Resp: 6774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 60.2 | 90.2# |
| 98 | 2.1 | 41.0 | 61.4# |



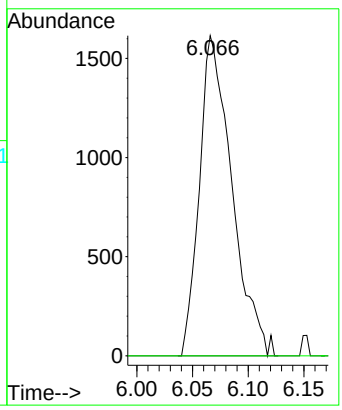


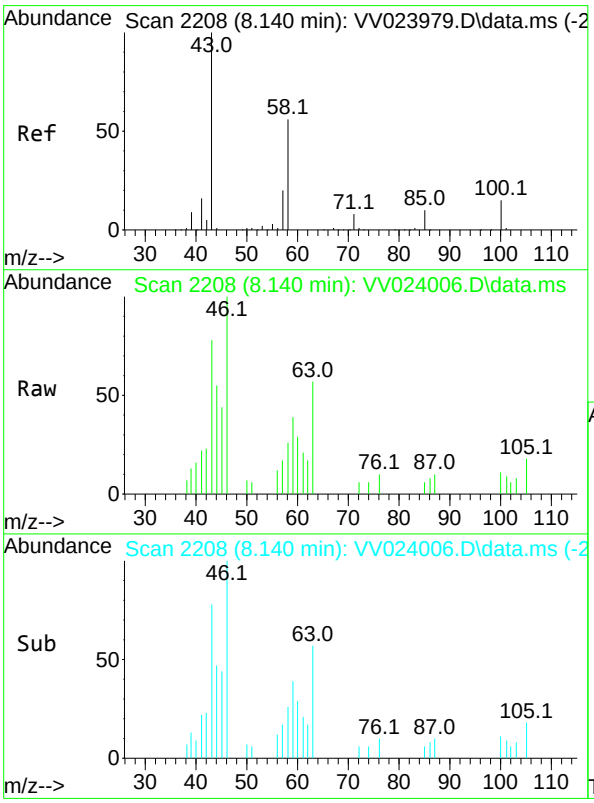

#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.066 min Scan# 1
Delta R.T. -0.106 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion: 63 Resp: 3277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 4.3 | 6.5# |

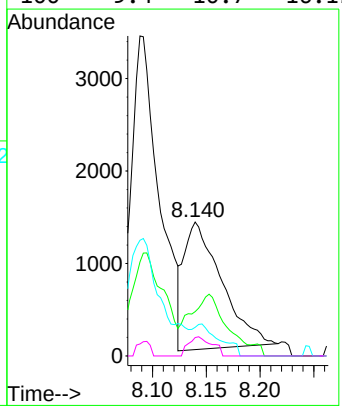


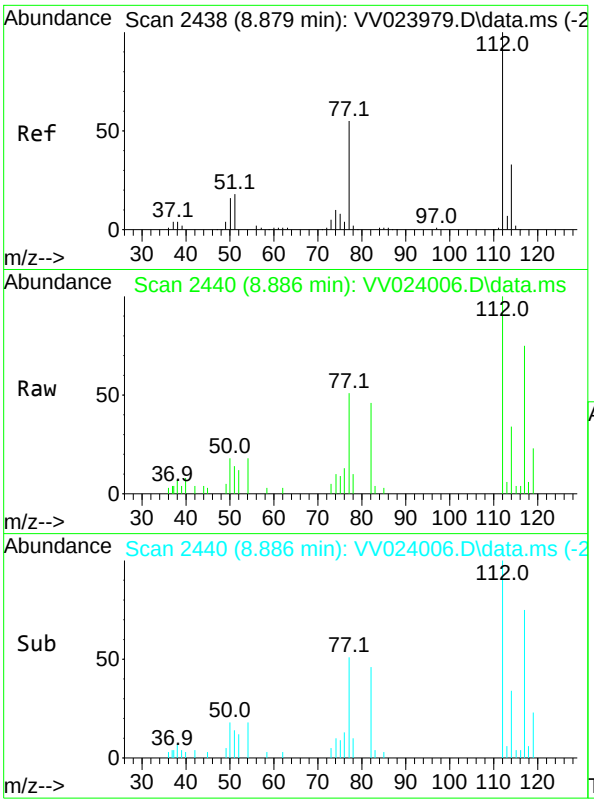




#48
2-Hexanone
Concen: 1.452 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

Tgt Ion: 43 Resp: 3361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.6 | 44.5 | 66.7# |
| 57 | 16.3 | 15.1 | 22.7 |
| 100 | 9.4 | 10.7 | 16.1# |



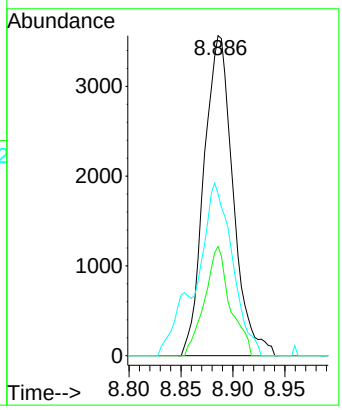


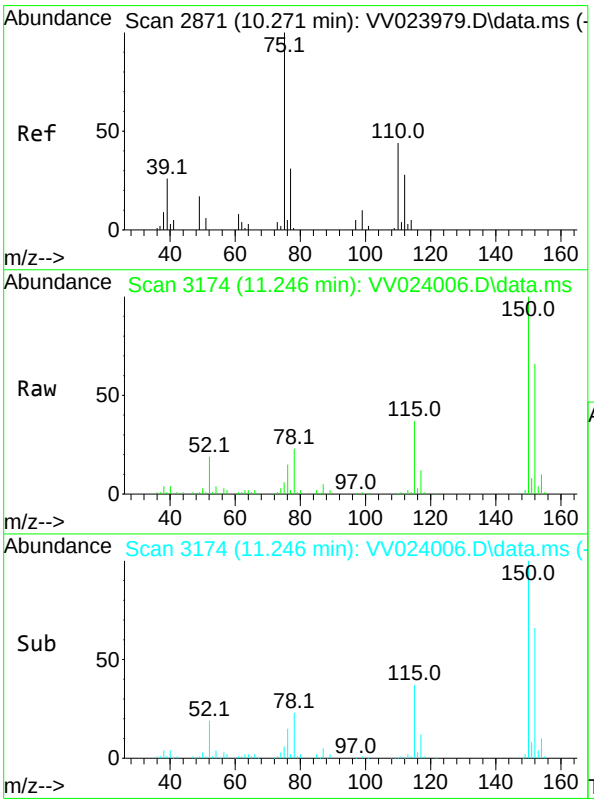

#51
Chlorobenzene
Concen: 0.330 ug/L
RT: 8.886 min Scan# 24
Delta R.T. 0.006 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion:112 Resp: 6946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 34.1 | 23.3 | 43.3 |
| 77 | 50.7 | 43.3 | 64.9 |

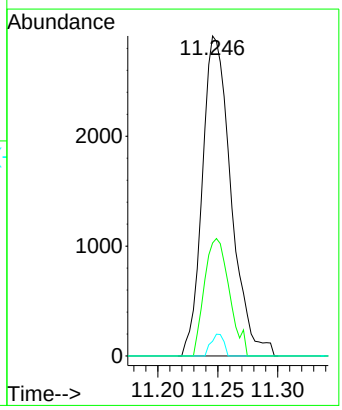


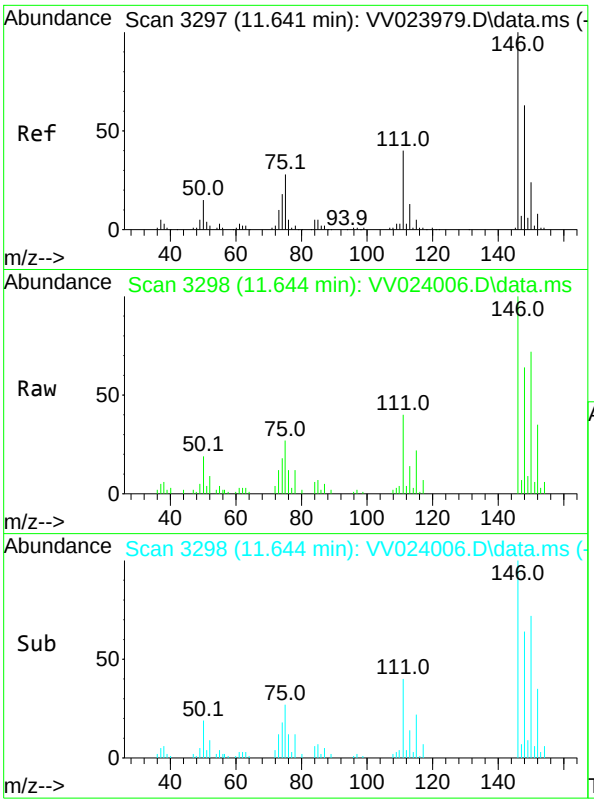




#61
1,2,3-Trichloropropane
Concen: 1.451 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

Tgt Ion: 75 Resp: 4855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 26.4 | 39.6 |
| 110 | 3.0 | 34.2 | 51.2# |






#67
1,2-Dichlorobenzene
Concen: 1.077 ug/L
RT: 11.644 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV024006.D
Acq: 16 Dec 2021 12:28

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

Tgt Ion:146 Resp: 14550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 31.9 | 47.9 |
| 148 | 64.1 | 50.5 | 75.7 |