Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039241.D
Acq On : 15 Dec 2023 20:16
Operator : JC/MD
Sample : 05844-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 16 01:53:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 12 03:50:51 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.763 | 114 | 221859 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 10.055 | 117 | 202704 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 93532 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.367 | 65 | 64535 | 37.086 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 74.180% | | | |
| 7) Chloroethane-d5 | 1.666 | 69 | 51716 | 40.208 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 80.420% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.306 | 65 | 32541 | 42.601 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 85.200% | | | |
| 21) 2-Butanone-d5 | 4.446 | 46 | 155837 | 98.933 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 98.930% | | | |
| 24) Chloroform-d | 5.056 | 84 | 147333 | 47.828 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.660% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.952 | 65 | 103414 | 51.837 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 103.680% | | | |
| 32) Benzene-d6 | 5.970 | 84 | 294624 | 47.096 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 94.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 7.311 | 67 | 96926 | 48.144 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 96.280% | | | |
| 41) Toluene-d8 | 8.647 | 98 | 263122 | 46.412 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 92.820% | | | |
| 43) trans-1,3-Dichloroprop... | 8.951 | 79 | 45521 | 44.432 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 88.860% | | | |
| 47) 2-Hexanone-d5 | 9.384 | 63 | 112877 | 93.872 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 93.870% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84 | 140451 | 49.178 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 98.360% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.323 | 152 | 91465 | 51.736 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Vinyl chloride | 1.374 | 62 | 111056 | 60.932 | ug/L | 99 |
| 8) Chloroethane | 1.691 | 64 | 2248 | 2.182 | ug/L # | 80 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.318 | 101 | 6738 | 4.434 | ug/L # | 58 |
| 12) 1,1-Dichloroethene | 2.318 | 96 | 1618339 | 1132.305 | ug/L # | 68 |
| 13) Acetone | 2.373 | 43 | 77697 | 51.345 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.611 | 63 | 253180 | 85.028 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 4.489 | 96 | 44475 | 25.463 | ug/L | 95 |
| 22) 2-Butanone | 4.556 | 43 | 29532 | 15.902 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 6.086 | 62 | 18221 | 7.773 | ug/L # | 88 |
| 30) 1,1,1-Trichloroethane | 5.385 | 97 | 24515 | 9.968 | ug/L | 97 |
| 33) Benzene | 6.043 | 78 | 29191 | 4.532 | ug/L | 100 |
| 34) Trichloroethene | 7.122 | 95 | 43557 | 25.586 | ug/L | 98 |
| 35) Methylcyclohexane | 7.311 | 83 | 22816 | 8.047 | ug/L # | 19 |
| 37) 1,2-Dichloropropane | 7.433 | 63 | 1655 | 0.926 | ug/L # | 89 |
| 39) cis-1,3-Dichloropropene | 8.330 | 75 | 3421 | 1.201 | ug/L # | 81 |
| 44) trans-1,3-Dichloropropene | 8.951 | 75 | 2364 | 0.894 | ug/L # | 79 |
| 46) Tetrachloroethene | 9.275 | 164 | 3121 | 2.779 | ug/L | 90 |
| 49) Dibromochloromethane | 9.275 | 129 | 3429 | 2.150 | ug/L # | 10 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039241.D
Acq On : 15 Dec 2023 20:16
Operator : JC/MD
Sample : 05844-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 16 01:53:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 12 03:50:51 2023
Response via : Initial Calibration

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

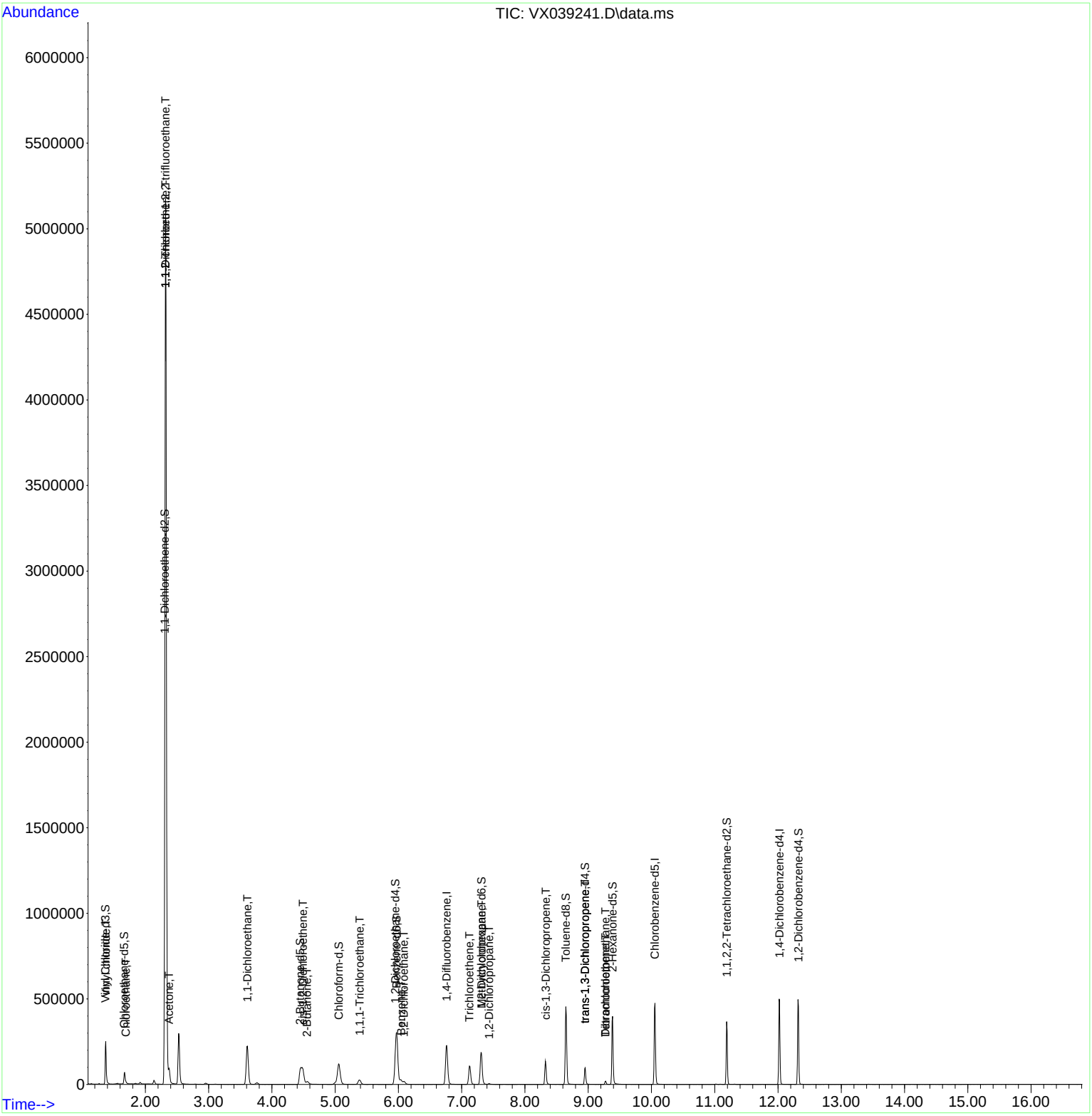
(#) = qualifier out of range (m) = manual integration (+) = signals summed

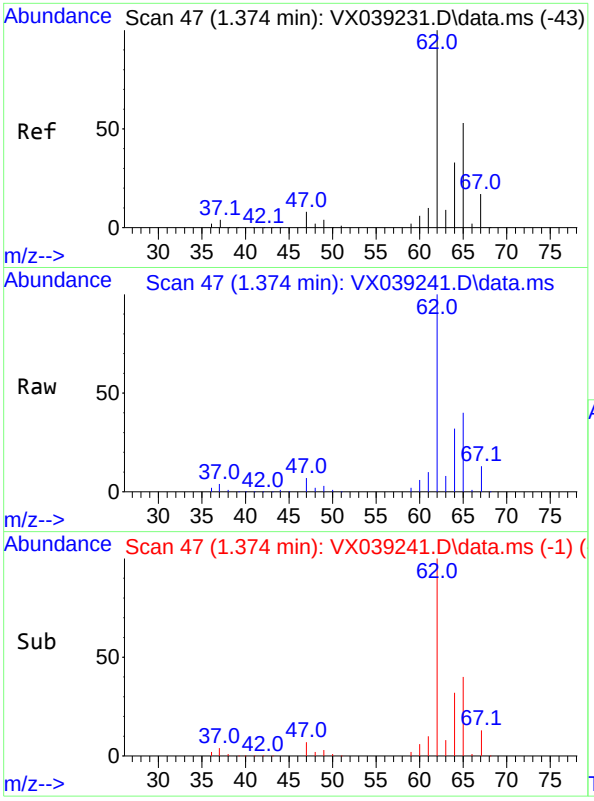
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
Data File : VX039241.D
Acq On : 15 Dec 2023 20:16
Operator : JC/MD
Sample : 05844-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 16 01:53:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 12 03:50:51 2023
Response via : Initial Calibration



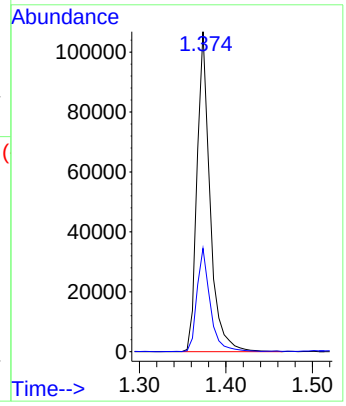


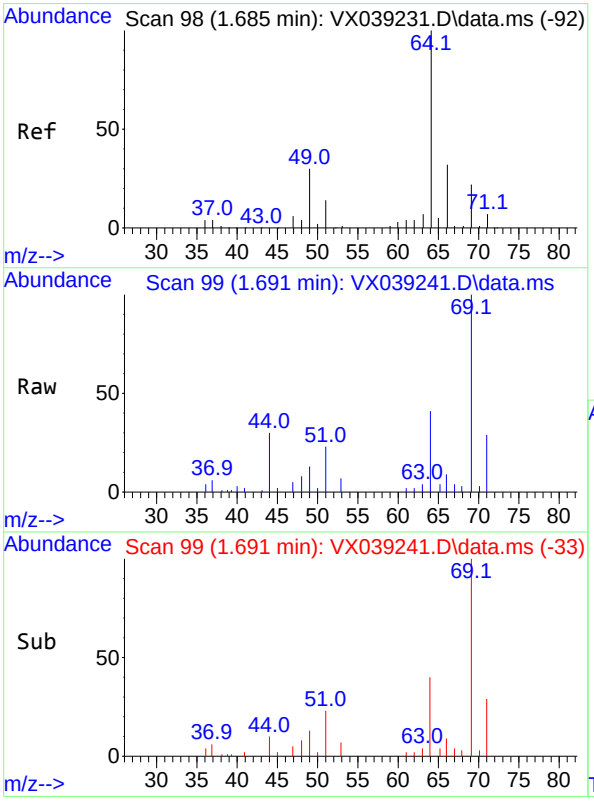

#5
Vinyl chloride
Concen: 60.932 ug/L
RT: 1.374 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 62 Resp: 111056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 22.3 | 41.3 |

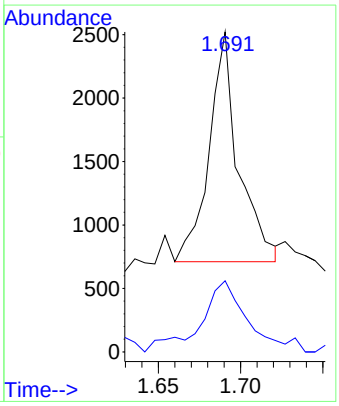


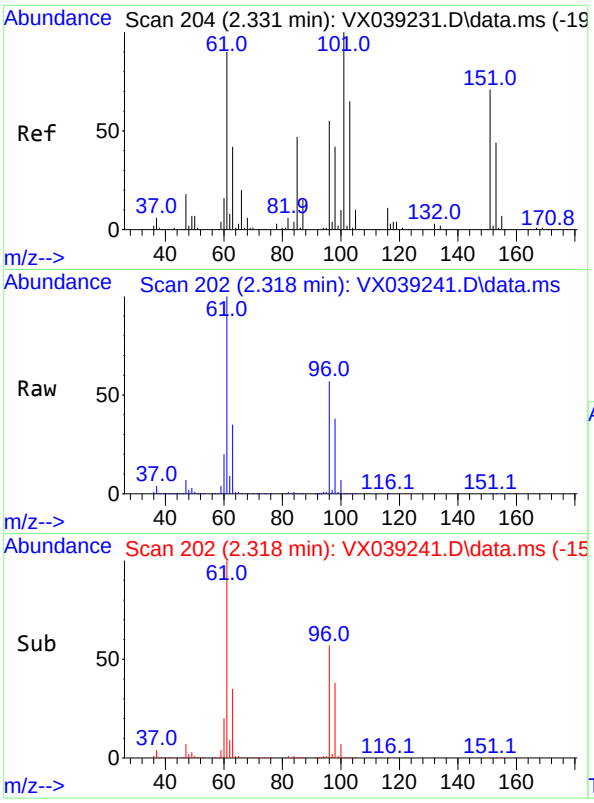




#8
Chloroethane
Concen: 2.182 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 64 Resp: 2248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 22.3 | 23.4 | 43.6# |



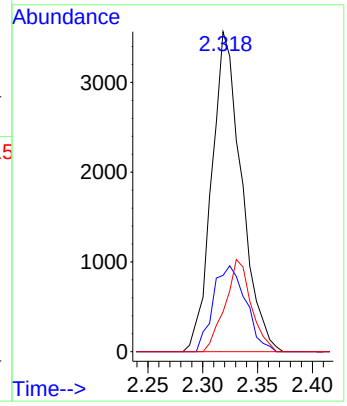


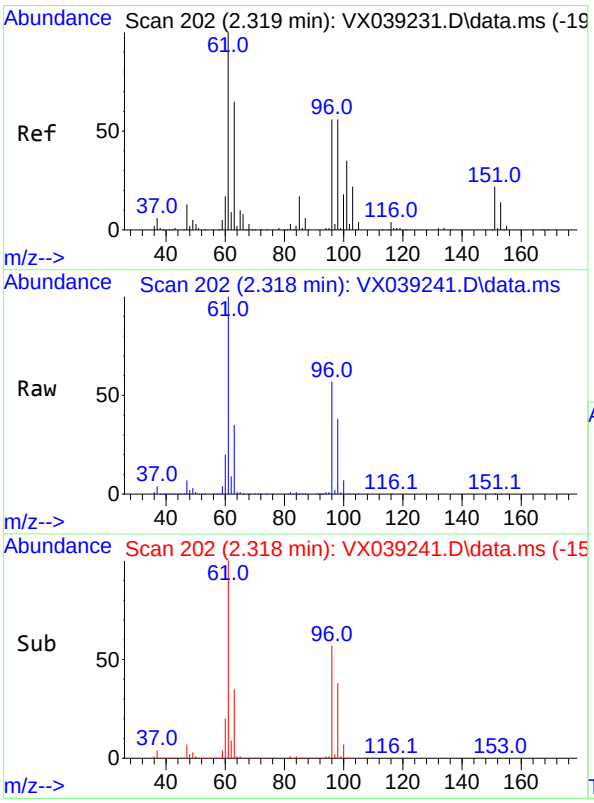

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.434 ug/L
RT: 2.318 min Scan# 2
Delta R.T. -0.013 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion:101 Resp: 6738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 29.5 | 35.8 | 53.6# |
| 151 | 25.1 | 55.4 | 83.2# |

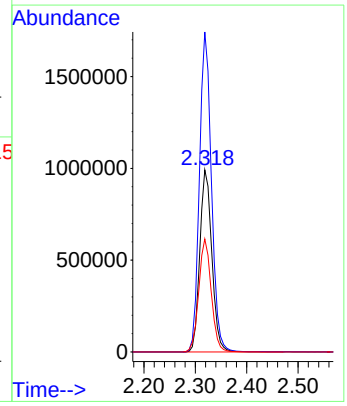


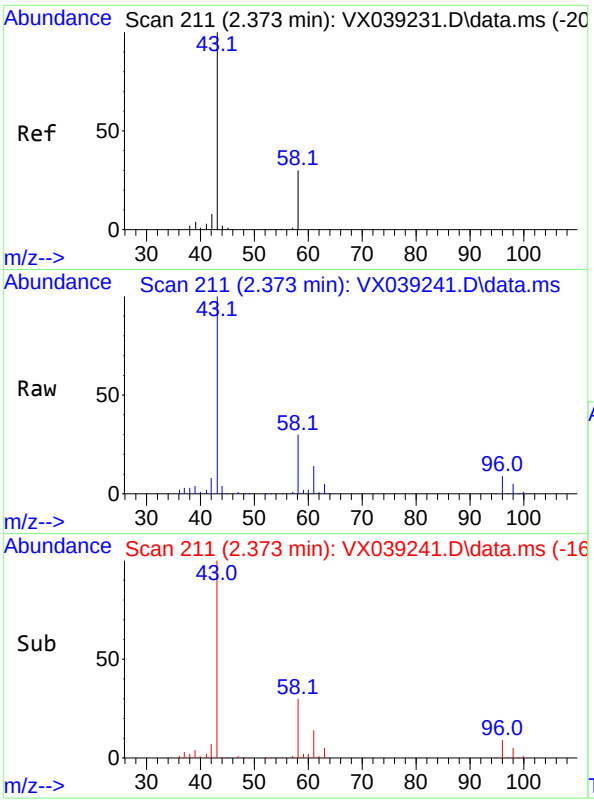




#12
1,1-Dichloroethene
Concen: 1132.305 ug/L
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 96 Resp: 1618339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.7 | 128.0 | 237.6 |
| 63 | 62.0 | 101.5 | 188.5# |



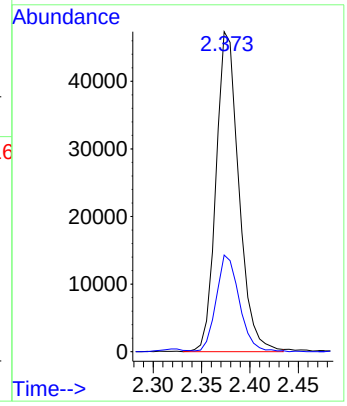


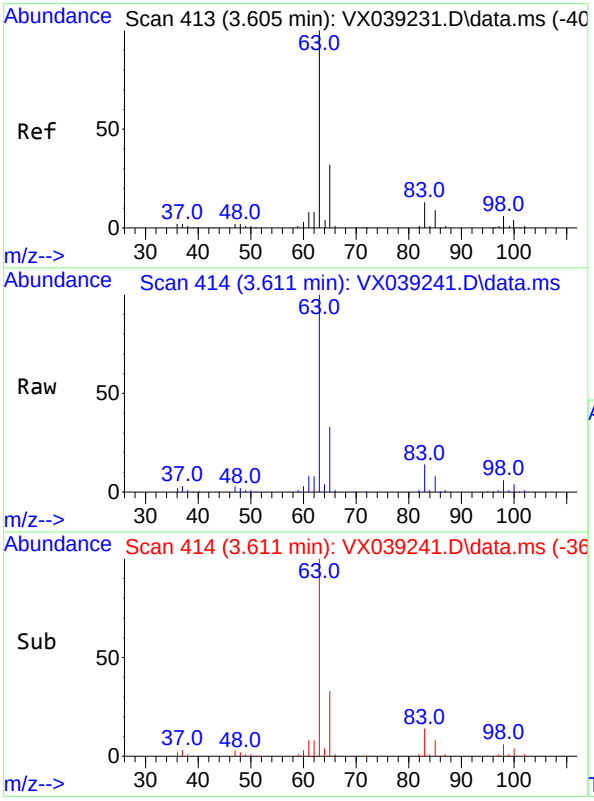

#13
Acetone
Concen: 51.345 ug/L
RT: 2.373 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 43 Resp: 77697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 0.0 | 65.8 |

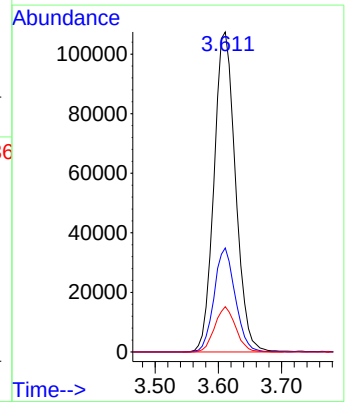


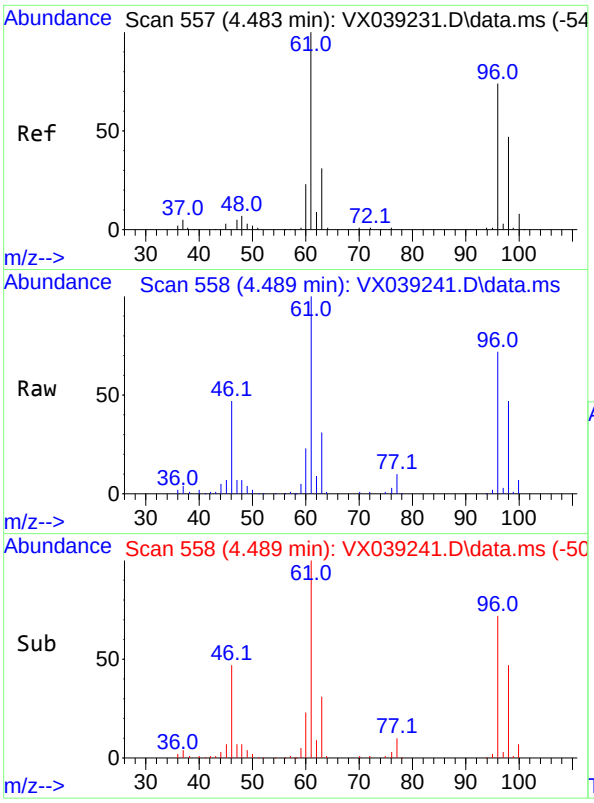




#19
1,1-Dichloroethane
Concen: 85.028 ug/L
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 63 Resp: 253180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.5 | 21.1 | 39.3 |
| 83 | 14.2 | 9.7 | 17.9 |



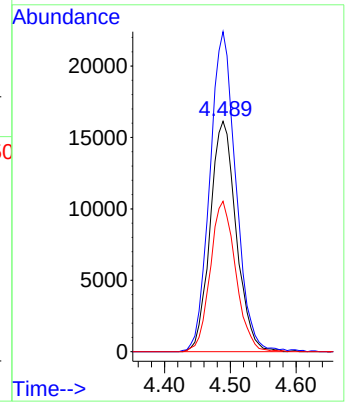


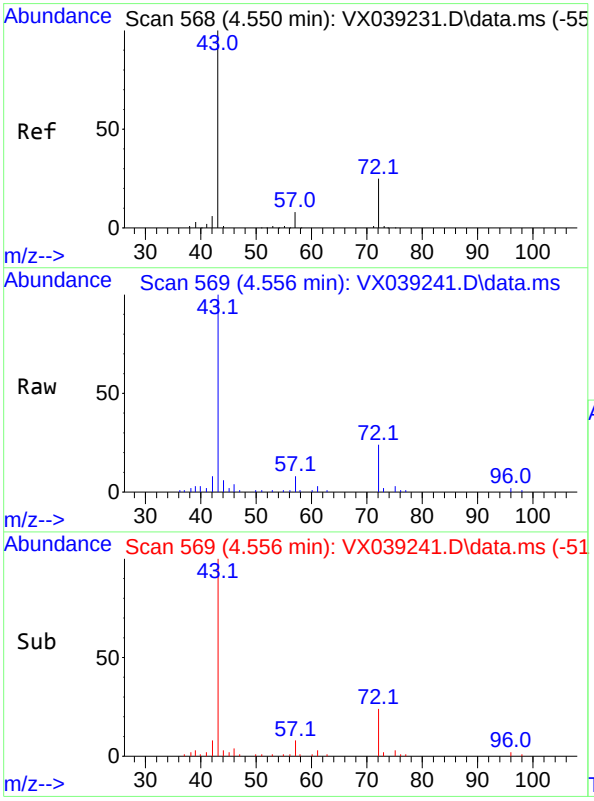

#20
cis-1,2-Dichloroethene
Concen: 25.463 ug/L
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 96 Resp: 44475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.9 | 91.7 | 170.3 |
| 98 | 65.3 | 44.2 | 82.2 |

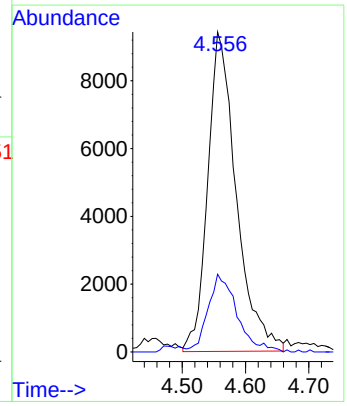


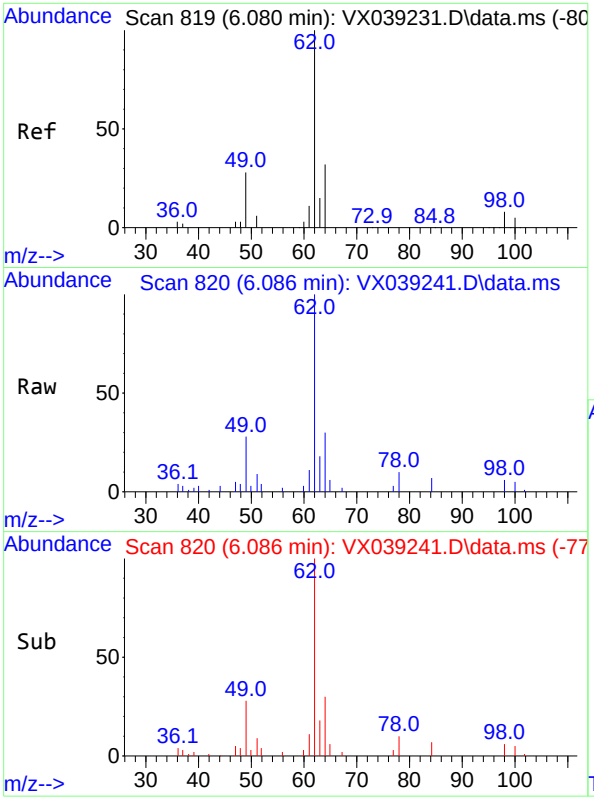




#22
2-Butanone
Concen: 15.902 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.012 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 43 Resp: 29532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 12.6 | 37.6 |



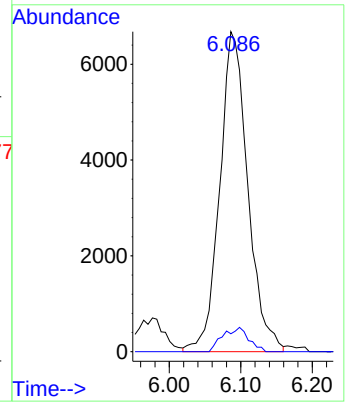


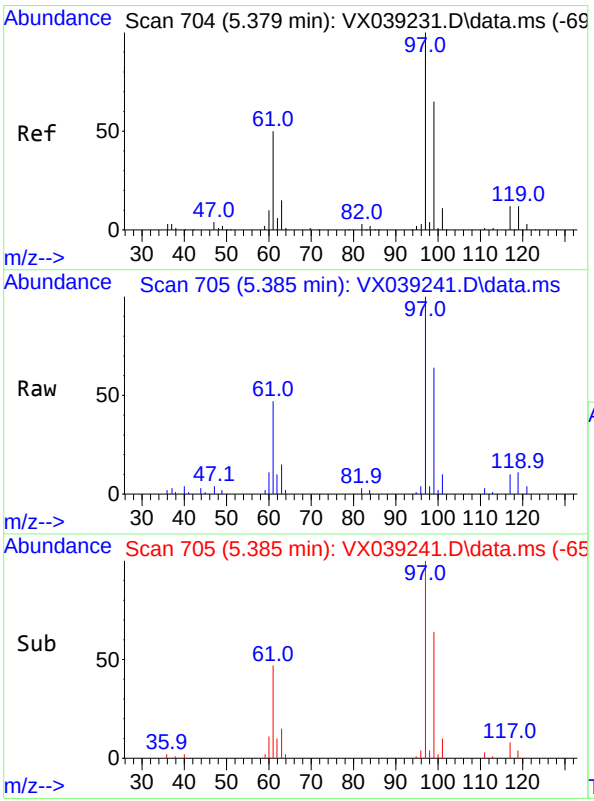

#27
1,2-Dichloroethane
Concen: 7.773 ug/L
RT: 6.086 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 62 Resp: 18221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.6 | 8.0 | 12.0# |

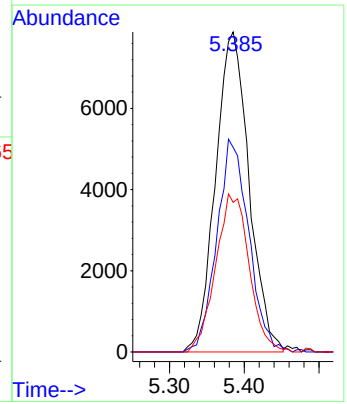


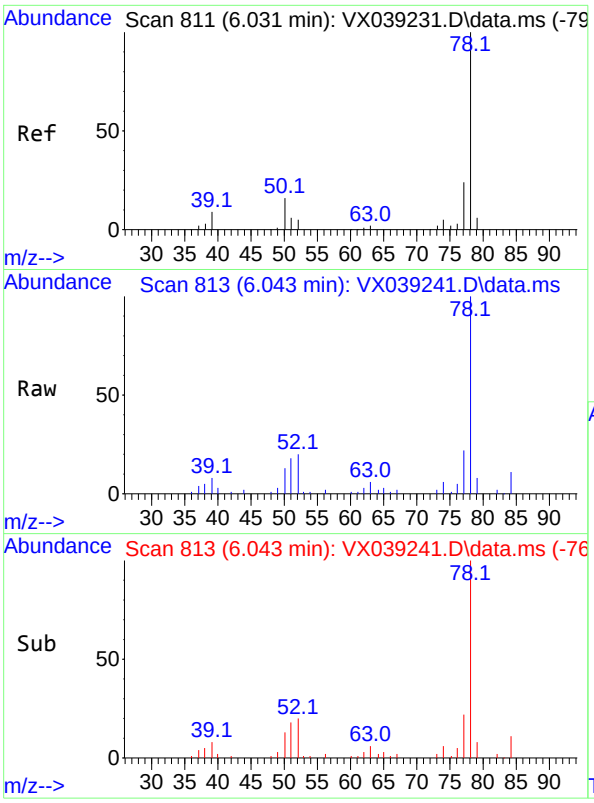




#30
1,1,1-Trichloroethane
Concen: 9.968 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.012 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 97 Resp: 24515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 51.0 | 76.4 |
| 61 | 49.3 | 36.7 | 55.1 |

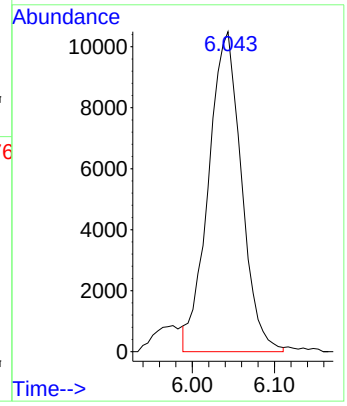


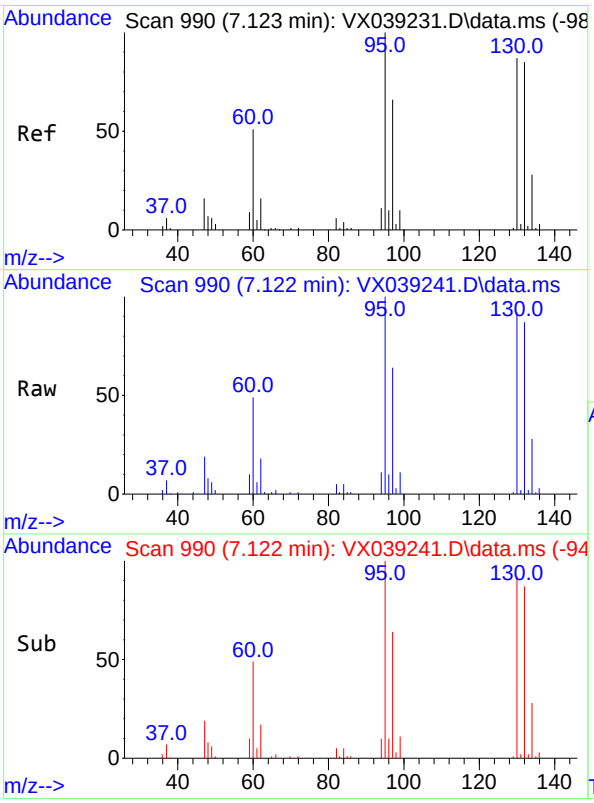



#33
Benzene
Concen: 4.532 ug/L
RT: 6.043 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 78 Resp: 29191

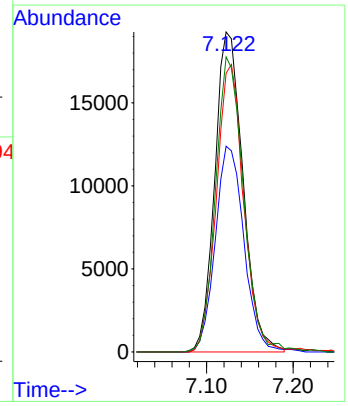


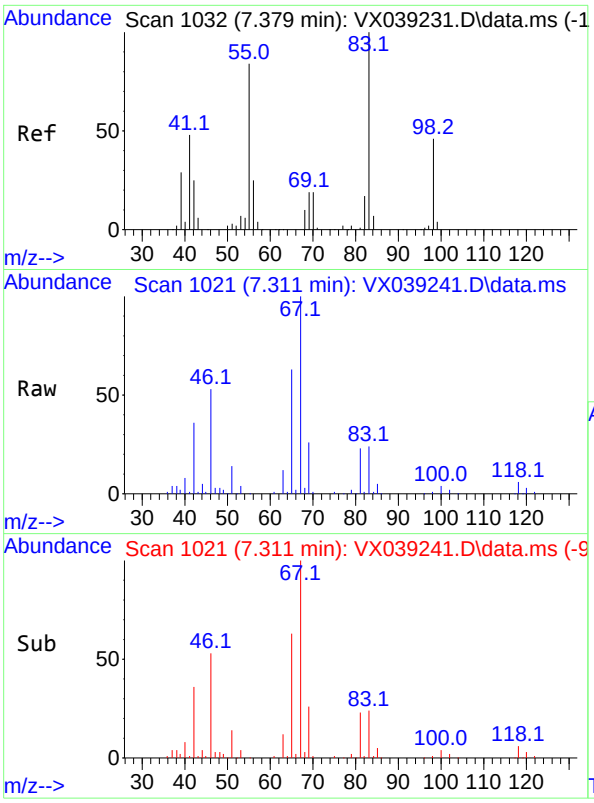




#34
Trichloroethene
Concen: 25.586 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 95 Resp: 43557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.3 | 45.5 | 84.5 |
| 132 | 87.1 | 62.2 | 115.4 |
| 130 | 92.2 | 67.0 | 124.4 |



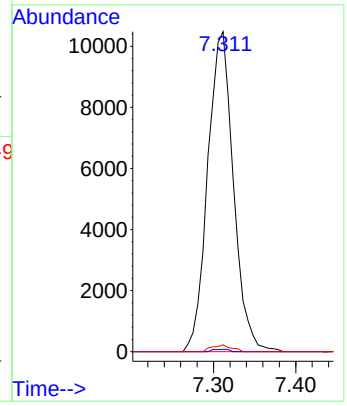


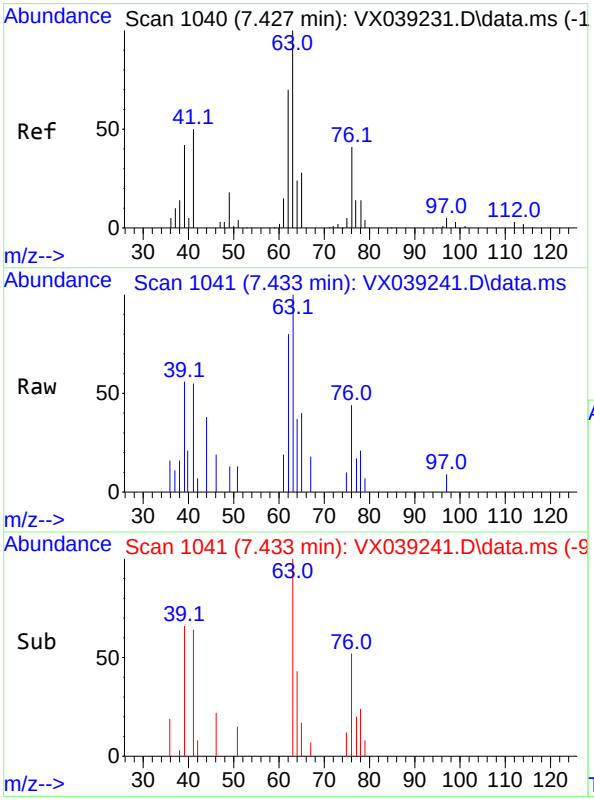

#35
Methylcyclohexane
Concen: 8.047 ug/L
RT: 7.311 min Scan# 1
Delta R.T. -0.061 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 83 Resp: 22816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.2 | 62.5 | 93.7# |
| 98 | 1.6 | 36.1 | 54.1# |

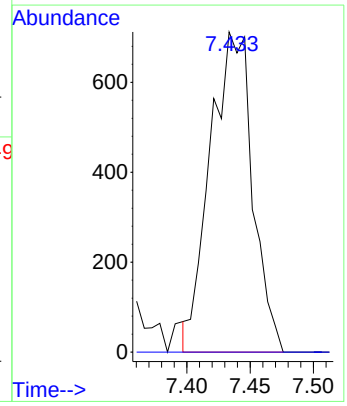


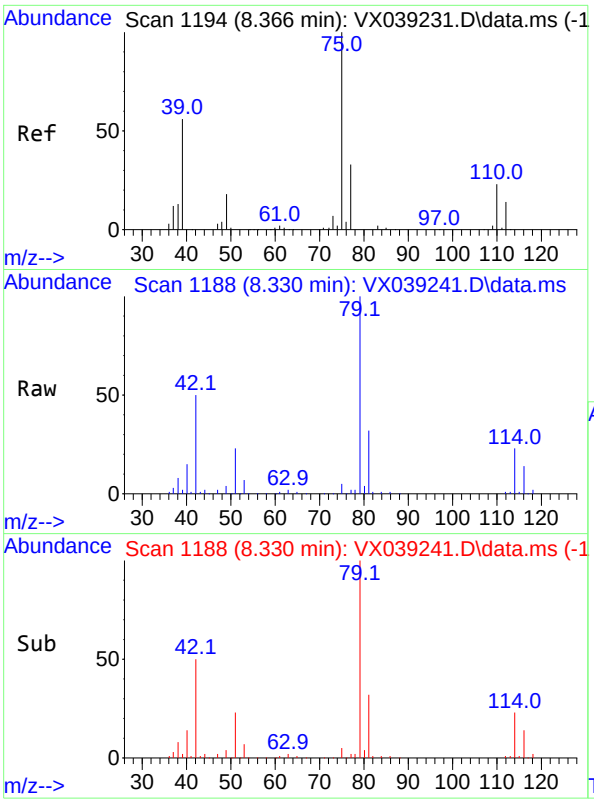




#37
1,2-Dichloropropane
Concen: 0.926 ug/L
RT: 7.433 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 63 Resp: 1655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.8 | 4.2# |



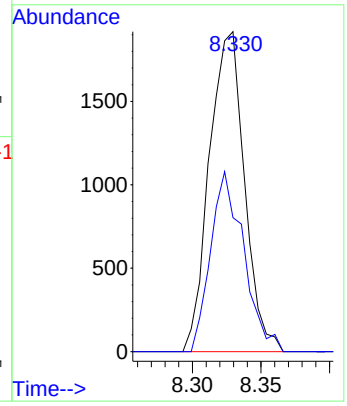


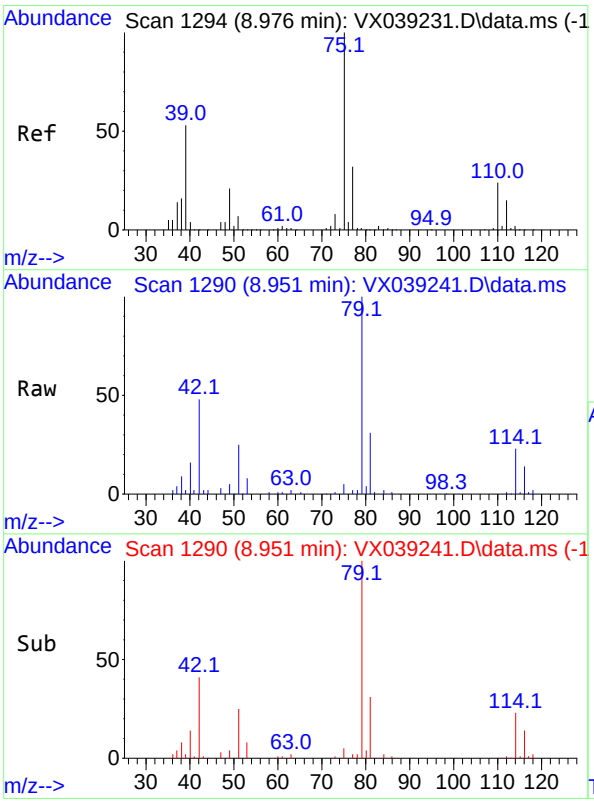

#39
cis-1,3-Dichloropropene
Concen: 1.201 ug/L
RT: 8.330 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion: 75 Resp: 3421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.9 | 22.0 | 40.8# |

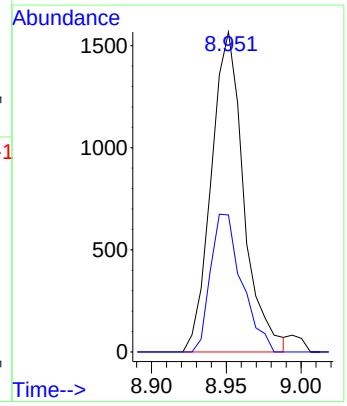


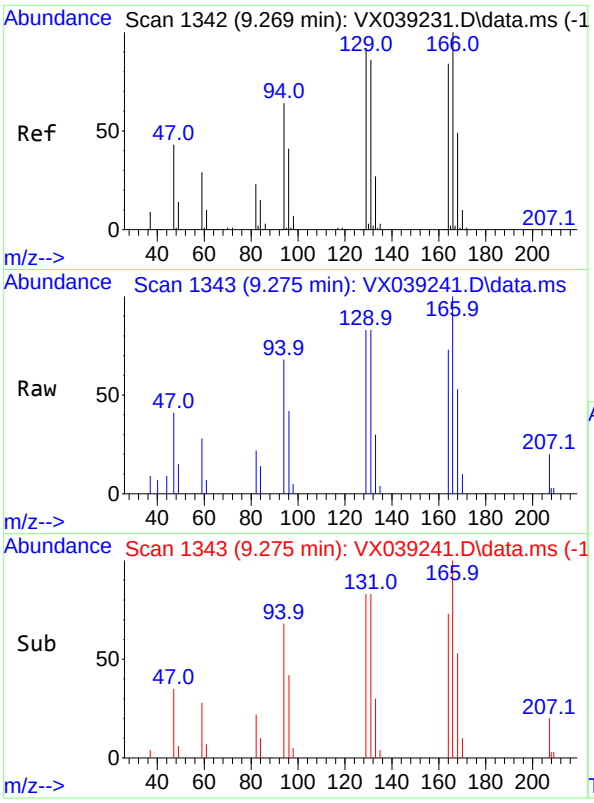




#44
trans-1,3-Dichloropropene
Concen: 0.894 ug/L
RT: 8.951 min Scan# 1290
Delta R.T. -0.019 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion: 75 Resp: 2364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.8 | 22.0 | 40.8# |



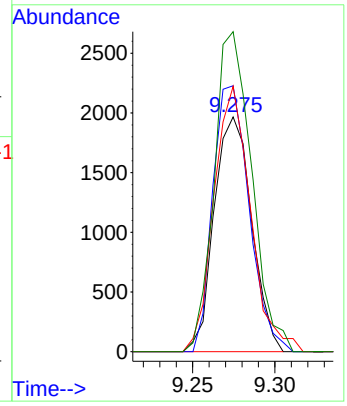


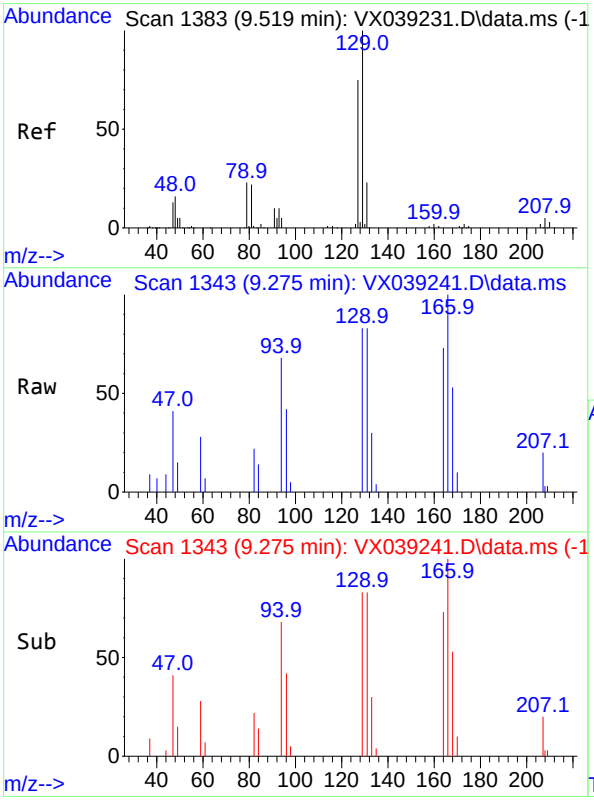

#46
Tetrachloroethene
Concen: 2.779 ug/L
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

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

Tgt Ion:164 Resp: 3121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 113.3 | 71.9 | 133.5 |
| 131 | 113.1 | 69.5 | 129.1 |
| 166 | 136.4 | 90.3 | 167.7 |




#49
Dibromochloromethane
Concen: 2.150 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX039241.D
Acq: 15 Dec 2023 20:16

Tgt Ion:129 Resp: 3429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 55.2 | 102.4# |