Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122021\
Data File : VU046508.D
Acq On : 20 Dec 2021 13:43
Operator : SY/MD
Sample : M5154-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 15:47:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 20 00:25:10 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 82444 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 85623 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.812 | 152 | 41368 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.604 | 65 | 51236 | 75.443 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 150.880%# | | | |
| 7) Chloroethane-d5 | 1.922 | 69 | 38735 | 74.286 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 148.580%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.575 | 63 | 65484 | 53.712 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 107.420% | | | |
| 21) 2-Butanone-d5 | 4.645 | 46 | 66655 | 123.463 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 123.460% | | | |
| 24) Chloroform-d | 5.066 | 84 | 87217 | 76.903 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 153.800%# | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 57946 | 76.133 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 152.260%# | | | |
| 32) Benzene-d6 | 5.732 | 84 | 170403 | 69.436 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 138.880%# | | | |
| 36) 1,2-Dichloropropane-d6 | 6.693 | 67 | 52243 | 68.689 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 137.380%# | | | |
| 41) Toluene-d8 | 7.899 | 98 | 145994 | 65.338 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 130.680%# | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 25220 | 68.691 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 137.380%# | | | |
| 47) 2-Hexanone-d5 | 8.635 | 63 | 50893 | 141.129 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 141.130%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84 | 74283 | 64.402 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 128.800%# | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 55252 | 69.353 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 138.700%# | | | |
| Target Compounds | | | | | | Qvalue |
| 8) Chloroethane | 1.678 | 64 | 2873 | 6.134 | ug/L # | 56 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575 | 101 | 633 | 1.055 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 449 | 0.788 | ug/L # | 1 |
| 13) Acetone | 2.671 | 43 | 2104 | 3.118 | ug/L | 81 |
| 27) 1,2-Dichloroethane | 5.729 | 62 | 947 | 1.047 | ug/L # | 73 |
| 35) Methylcyclohexane | 6.693 | 83 | 12952 | 12.235 | ug/L # | 20 |
| 37) 1,2-Dichloropropane | 6.690 | 63 | 5595 | 8.242 | ug/L # | 86 |
| 39) cis-1,3-Dichloropropene | 7.568 | 75 | 1575 | 1.525 | ug/L # | 54 |
| 44) trans-1,3-Dichloropropene | 8.182 | 75 | 1007 | 0.993 | ug/L | 94 |
| 60) 1,2,3-Trichloropropane | 11.812 | 75 | 4859 | 5.358 | ug/L # | 64 |

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

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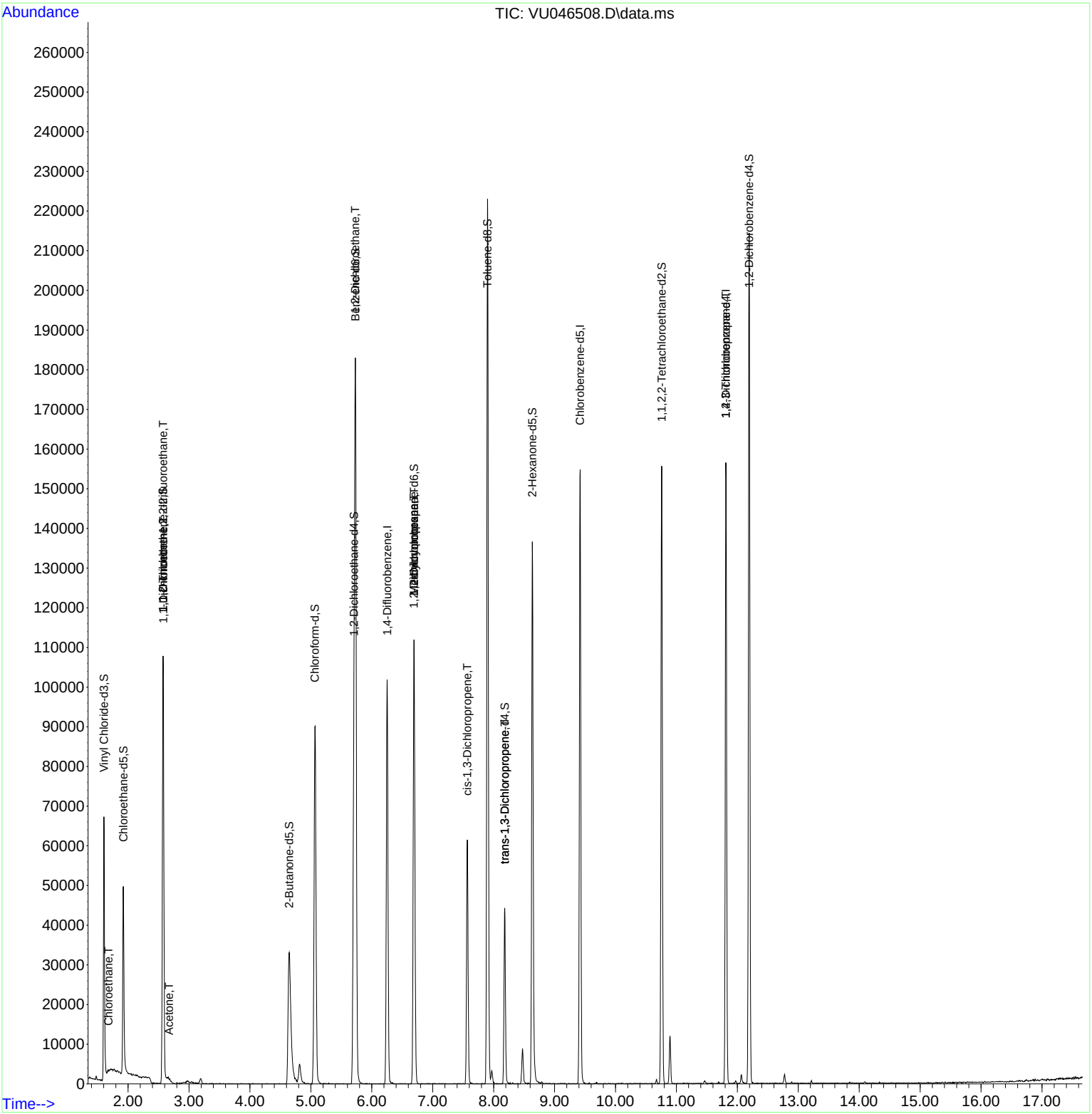
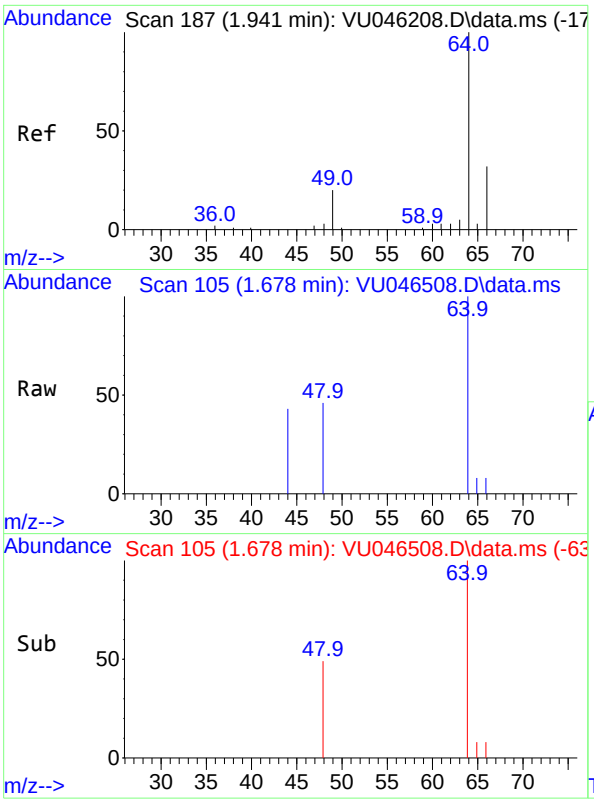
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 15:47:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 20 00:25:10 2021
Response via : Initial Calibration

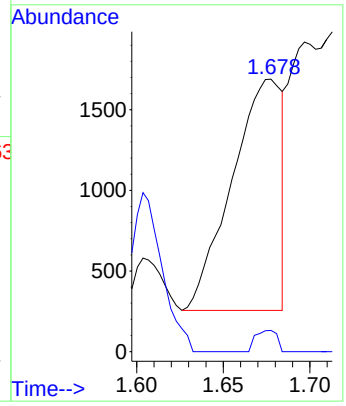


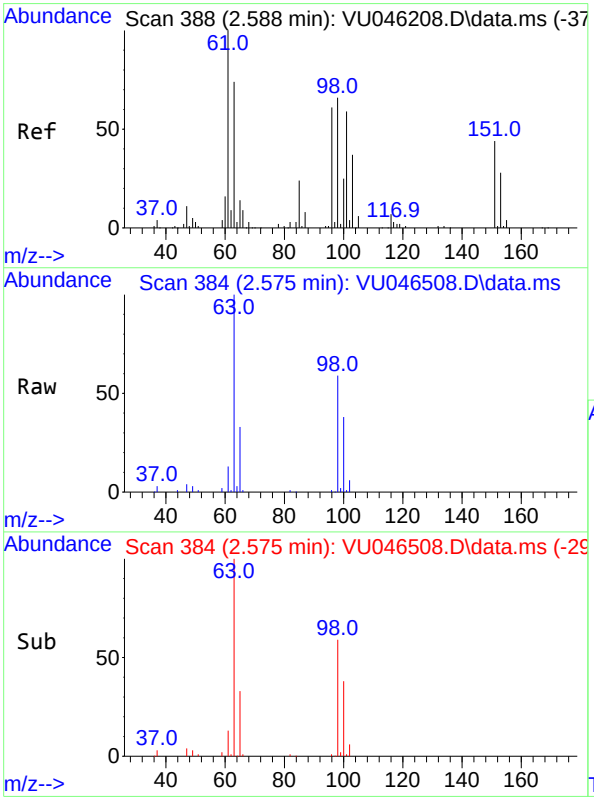



#8
Chloroethane
Concen: 6.134 ug/L
RT: 1.678 min Scan# 105
Delta R.T. -0.264 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 64 Resp: 2873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 7.8 | 22.5 | 41.9# |

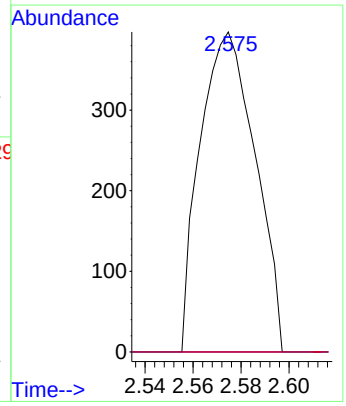


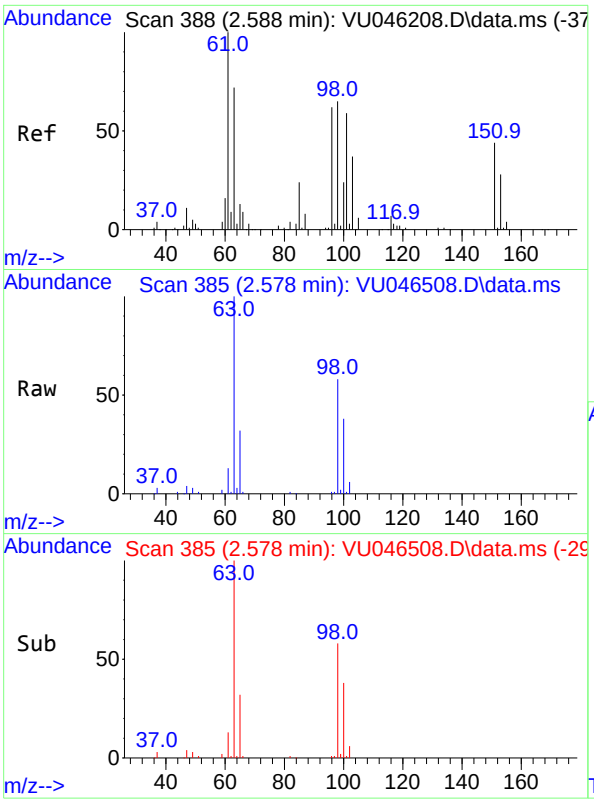




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.055 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion:101 Resp: 633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.1 | 52.7# |
| 151 | 0.0 | 56.7 | 85.1# |

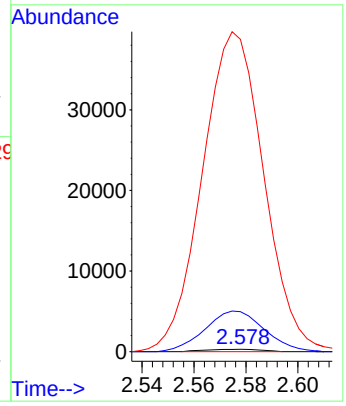


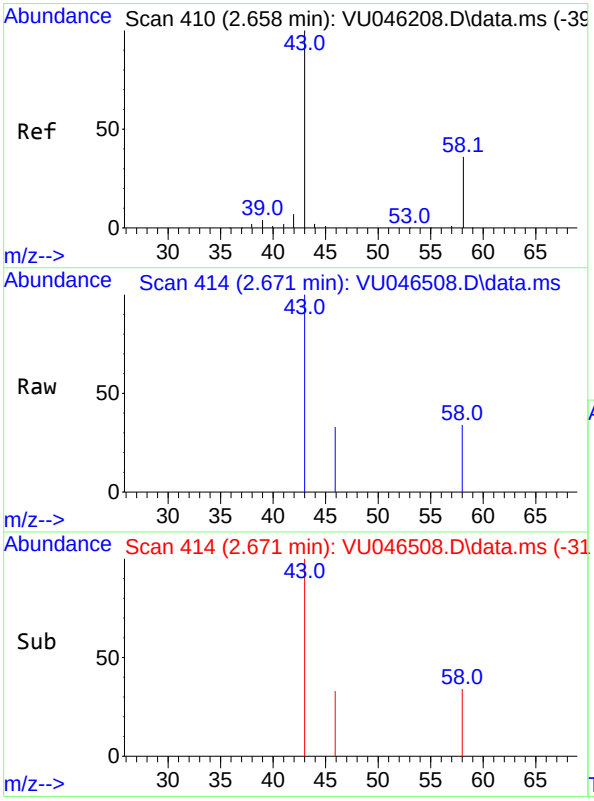



#12
1,1-Dichloroethene
Concen: 0.788 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 96 Resp: 449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1704.1 | 118.6 | 220.2# |
| 63 | 13314.1 | 93.0 | 172.8# |

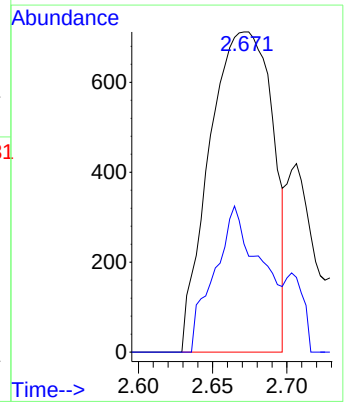


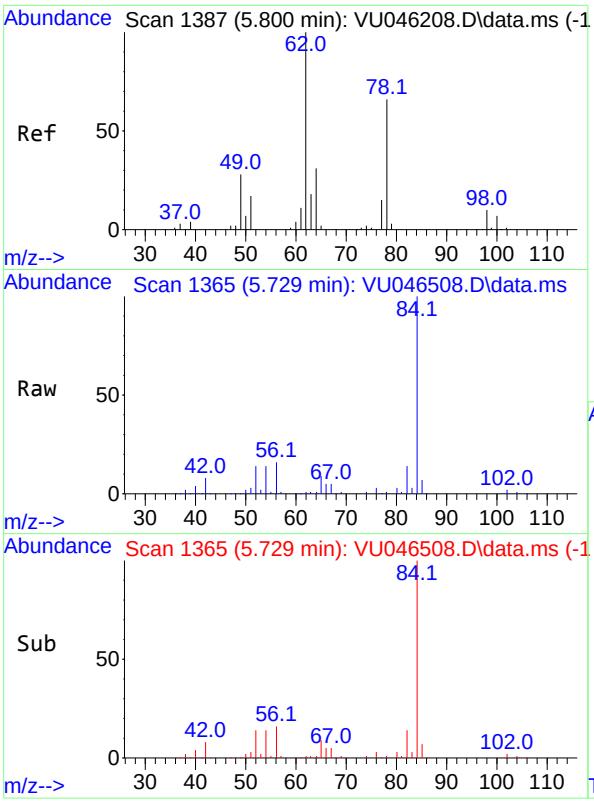




#13
Acetone
Concen: 3.118 ug/L
RT: 2.671 min Scan# 414
Delta R.T. 0.006 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 43 Resp: 2104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.8 | 0.0 | 66.8 |

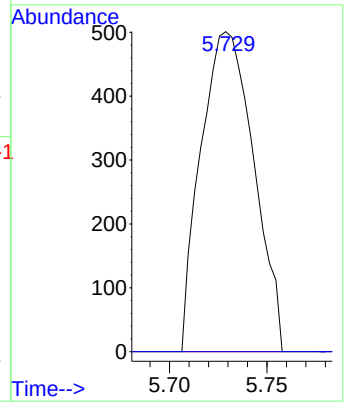


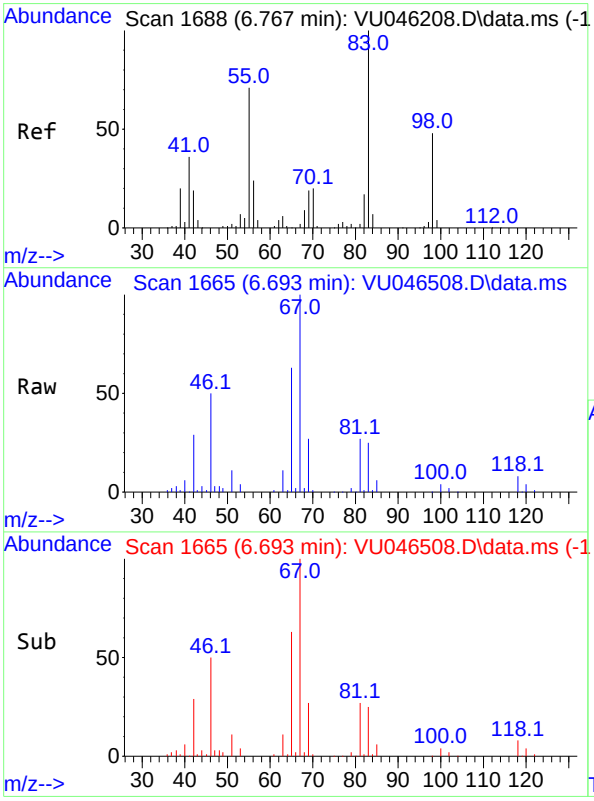



#27
1,2-Dichloroethane
Concen: 1.047 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.071 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 62 Resp: 947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 7.9 | 11.9# |

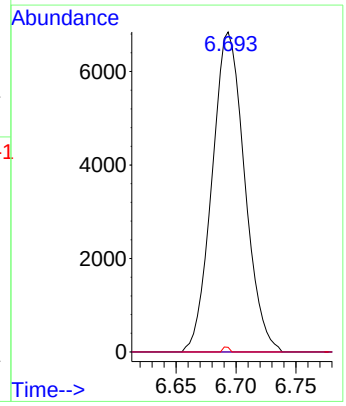


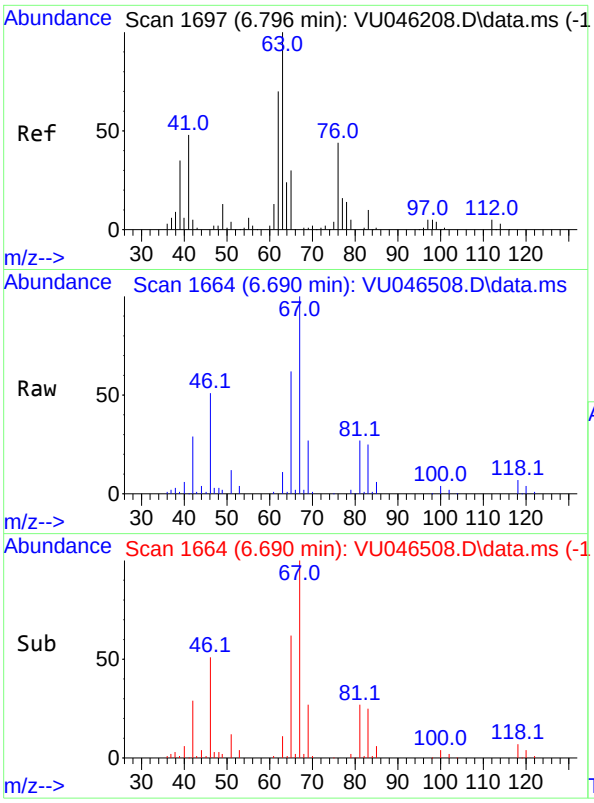




#35
Methylcyclohexane
Concen: 12.235 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 83 Resp: 12952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 57.8 | 86.6# |
| 98 | 0.3 | 38.4 | 57.6# |

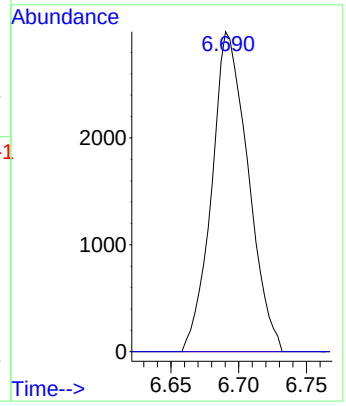


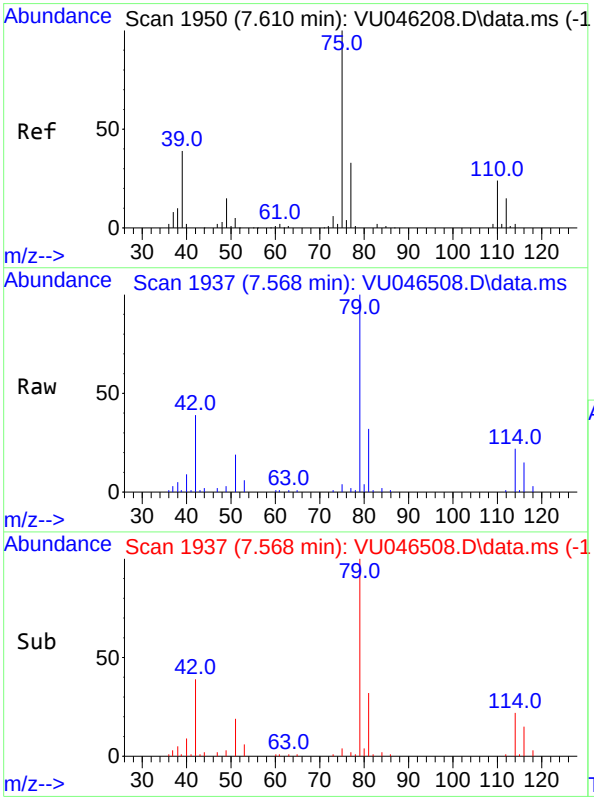



#37
1,2-Dichloropropane
Concen: 8.242 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.103 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 63 Resp: 5595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.8 | 5.6# |

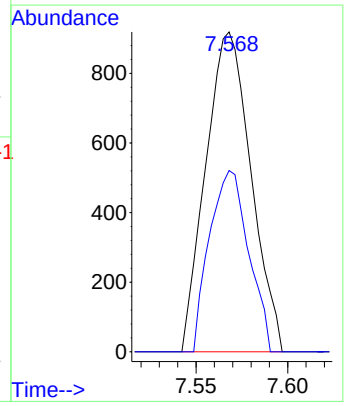


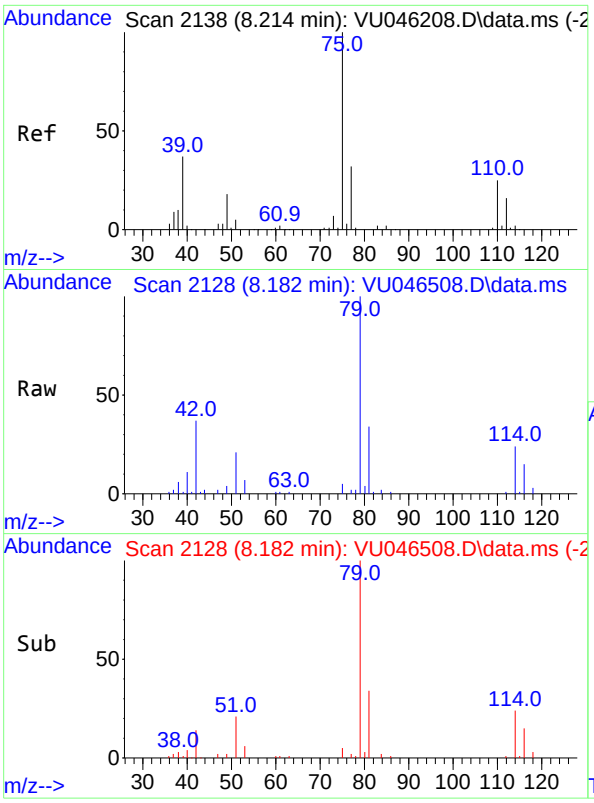




#39
cis-1,3-Dichloropropene
Concen: 1.525 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 75 Resp: 1575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 56.7 | 21.8 | 40.6# |

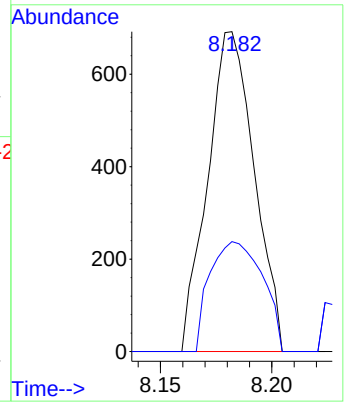


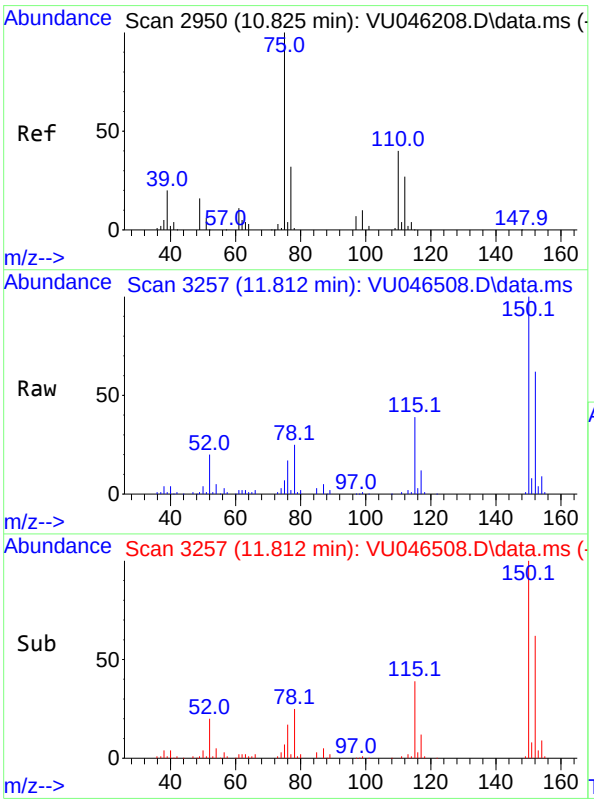



#44
trans-1,3-Dichloropropene
Concen: 0.993 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 75 Resp: 1007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.4 | 21.7 | 40.3 |




#60
1,2,3-Trichloropropane
Concen: 5.358 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046508.D
Acq: 20 Dec 2021 13:43

Tgt Ion: 75 Resp: 4859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.7 | 26.4 | 39.6 |
| 110 | 0.9 | 32.4 | 48.6# |