Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032924\
Data File : VU058262.D
Acq On : 29 Mar 2024 12:22
Operator : MD/SY
Sample : P1902-01DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 29 23:41:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 29 23:40:26 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.242 | 114 | 73259 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.412 | 117 | 69587 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 32239 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.595 | 65 | 30311 | 4.896 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 98.000% | | | |
| 7) Chloroethane-d5 | 1.907 | 69 | 26237 | 5.192 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 103.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.563 | 65 | 12638 | 4.917 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 98.400% | | | |
| 20) 2-Butanone-d5 | 4.631 | 46 | 50237 | 45.677 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 91.360% | | | |
| 24) Chloroform-d | 5.055 | 84 | 51265 | 4.632 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.695 | 65 | 25015 | 4.834 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.600% | | | |
| 32) Benzene-d6 | 5.721 | 84 | 106492 | 4.712 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.682 | 67 | 32170 | 4.829 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.600% | | | |
| 41) Toluene-d8 | 7.891 | 98 | 91022 | 4.546 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.177 | 79 | 9680 | 4.535 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 90.800% | | | |
| 46) 2-Hexanone-d5 | 8.631 | 63 | 39134 | 45.274 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 90.540% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84 | 20484 | 4.720 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 94.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 29189 | 4.862 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 97.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Vinyl chloride | 1.599 | 62 | 9487 | 2.259 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 2.576 | 96 | 38408 | 10.458 | ug/L # | 76 |
| 16) Methylene chloride | 3.039 | 84 | 36041 | 6.925 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 3.348 | 96 | 45484 | 11.850 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.663 | 96 | 8672 | 1.828 | ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.788 | 62 | 33343 | 6.494 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.309 | 97 | 13349 | 1.855 | ug/L | 98 |
| 31) Carbon tetrachloride | 5.518 | 117 | 9791 | 1.599 | ug/L | 93 |
| 33) Benzene | 5.766 | 78 | 67770 | 3.708 | ug/L | 100 |
| 34) Trichloroethene | 6.537 | 95 | 9577 | 2.011 | ug/L | 96 |
| 35) Methylcyclohexane | 6.685 | 83 | 7465 | 1.124 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.785 | 63 | 8917 | 1.747 | ug/L # | 92 |
| 42) Toluene | 7.962 | 91 | 92681 | 4.799 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.393 | 97 | 19202 | 5.971 | ug/L | 98 |
| 47) Tetrachloroethene | 8.547 | 164 | 34208 | 10.726 | ug/L | 94 |
| 49) Dibromochloromethane | 8.547 | 129 | 35081 | 9.969 | ug/L # | 10 |
| 51) Chlorobenzene | 9.441 | 112 | 82215 | 6.608 | ug/L | 98 |
| 52) Ethylbenzene | 9.566 | 91 | 45476 | 2.109 | ug/L | 98 |
| 53) m,p-Xylene | 9.688 | 106 | 85956 | 11.188 | ug/L | 98 |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032924\
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Operator : MD/SY
Sample : P1902-01DL 2X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 29 23:41:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 29 23:40:26 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 54) o-Xylene | 10.094 | 106 | 25329 | 3.266 | ug/L | | 98 |
| 55) Styrene | 10.110 | 104 | 86940 | 7.100 | ug/L | | 94 |
| 60) Isopropylbenzene | 10.100 | 105 | 18120 | 0.936 | ug/L | # | 1 |
| 61) 1,2,3-Trichloropropane | 10.110 | 75 | 4596 | 1.702 | ug/L | # | 1 |
| 62) 1,3,5-Trimethylbenzene | 10.100 | 105 | 18120 | 1.115 | ug/L | # | 30 |
| 64) 1,3-Dichlorobenzene | 11.833 | 146 | 11896 | 1.319 | ug/L | | 95 |
| 65) 1,4-Dichlorobenzene | 11.833 | 146 | 11896 | 1.365 | ug/L | | 95 |
| 67) 1,2-Dichlorobenzene | 12.206 | 146 | 73193 | 8.775 | ug/L | | 97 |
| 69) 1,3,5-Trichlorobenzene | 13.836 | 180 | 11724 | 1.859 | ug/L | | 97 |
| 70) 1,2,4-trichlorobenzene | 13.836 | 180 | 11724 | 2.492 | ug/L | | 98 |

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

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Misc : 25.0mL/MSVOA_U/WATER
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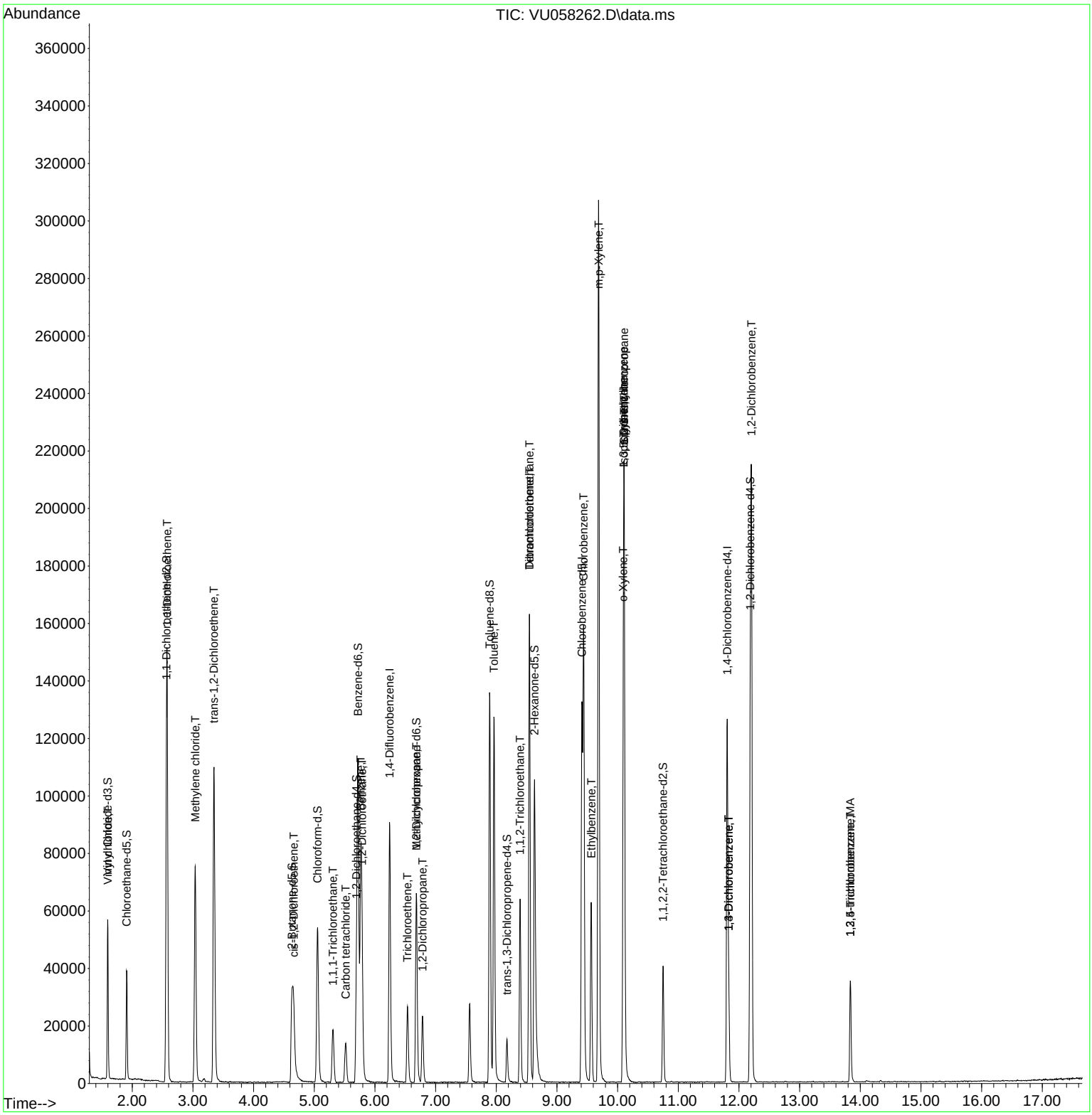
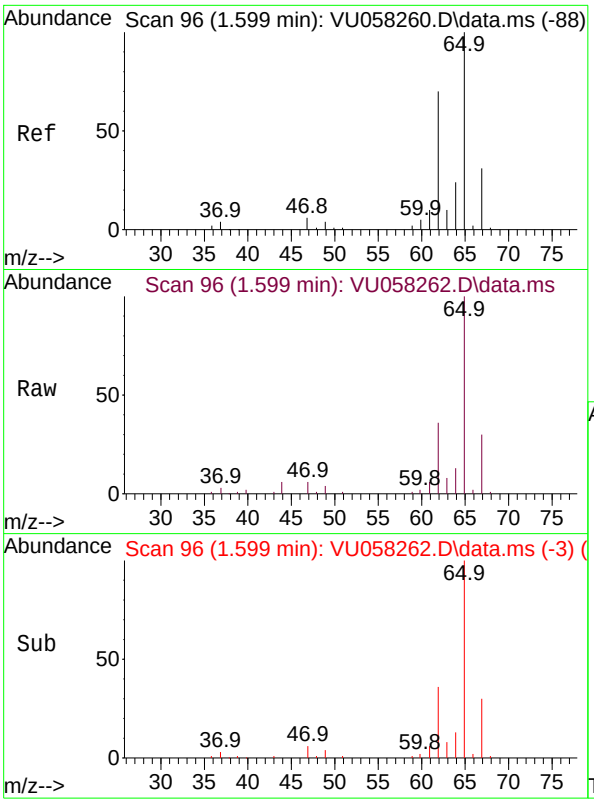
Quant Time: Mar 29 23:41:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 29 23:40:26 2024
Response via : Initial Calibration

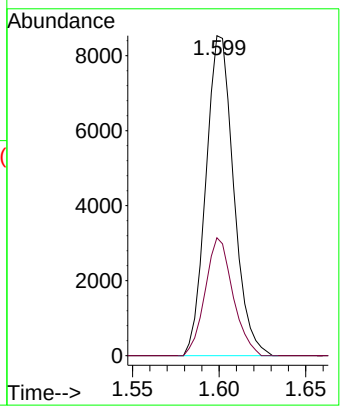


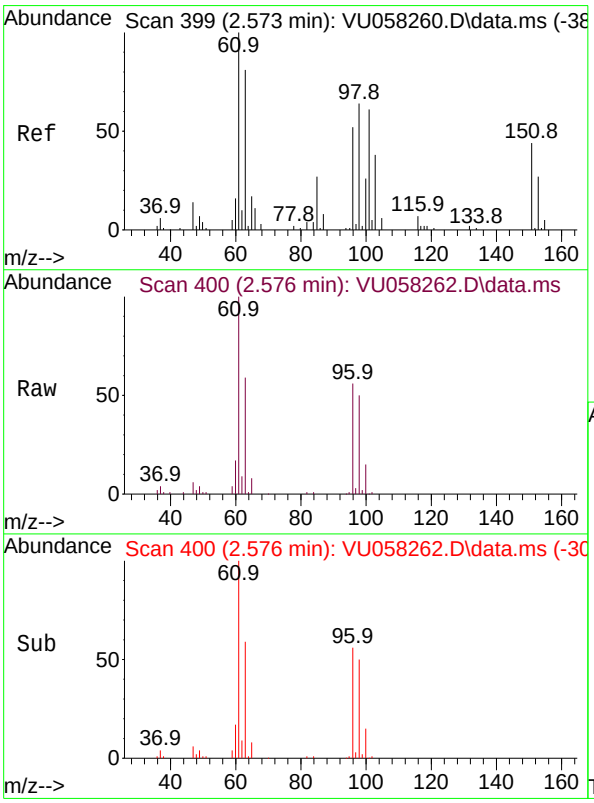



#5
Vinyl chloride
Concen: 2.259 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 62 Resp: 9487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 36.8 | 23.4 | 43.6 |

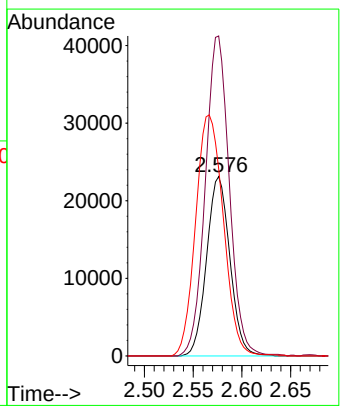


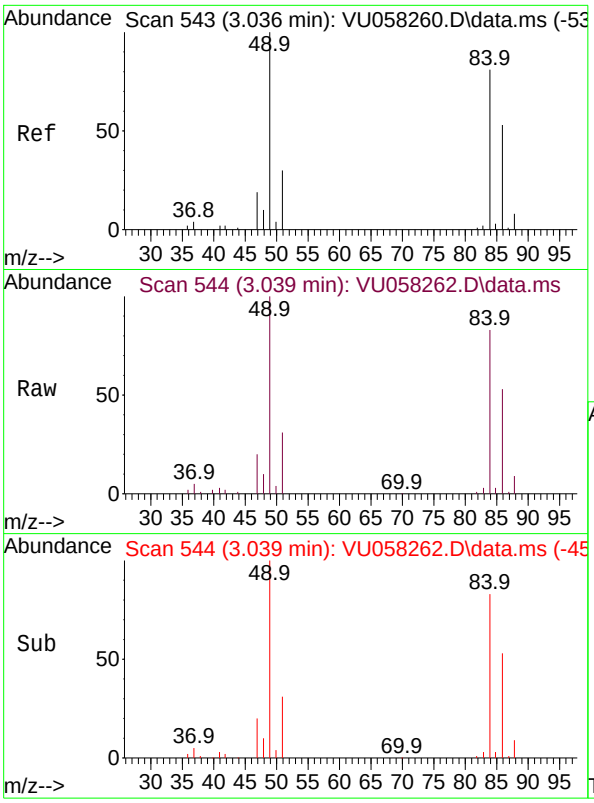




#12
1,1-Dichloroethene
Concen: 10.458 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 96 Resp: 38408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.5 | 128.1 | 237.9 |
| 63 | 104.5 | 116.8 | 217.0# |

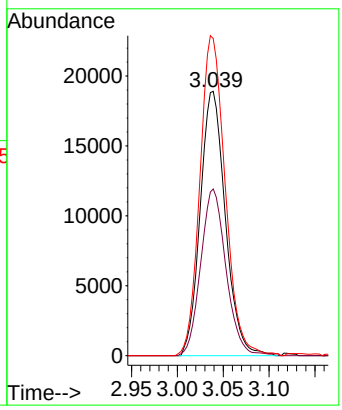


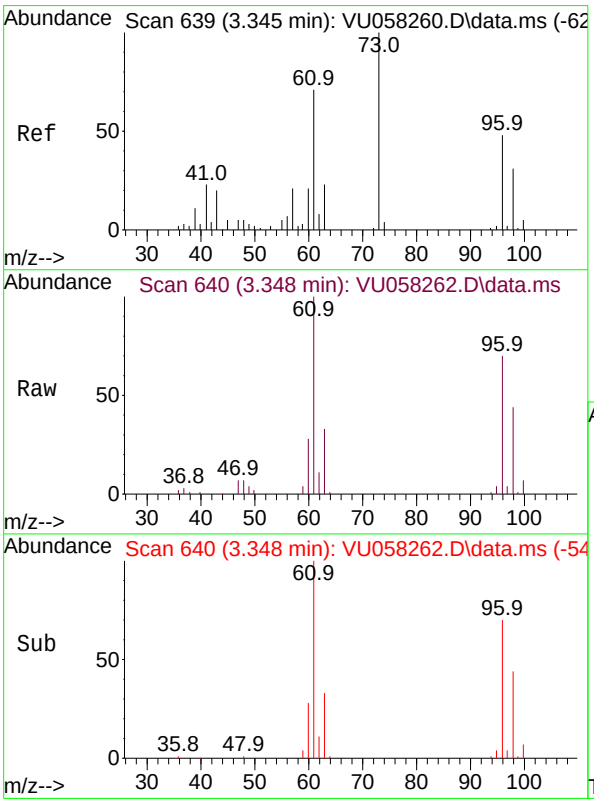



#16
Methylene chloride
Concen: 6.925 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 84 Resp: 36041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.1 | 45.6 | 84.6 |
| 49 | 120.0 | 88.3 | 163.9 |

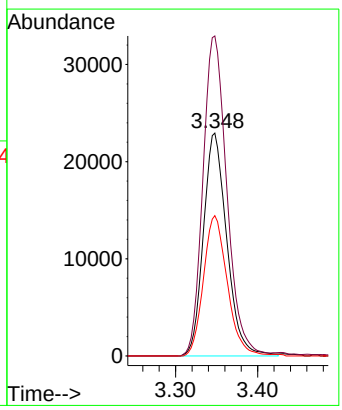


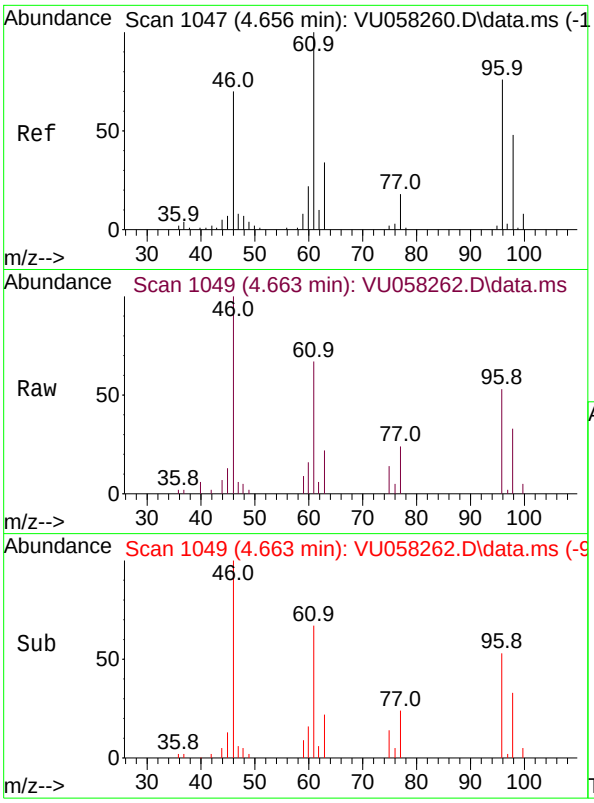




#18
trans-1,2-Dichloroethene
Concen: 11.850 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 96 Resp: 45484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.6 | 102.5 | 190.3 |
| 98 | 63.0 | 44.0 | 81.8 |

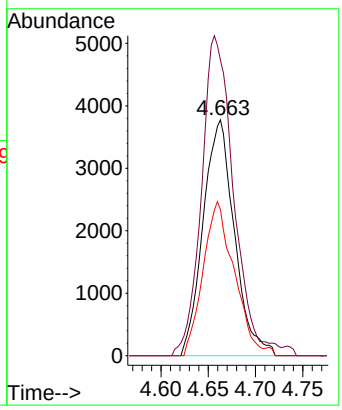


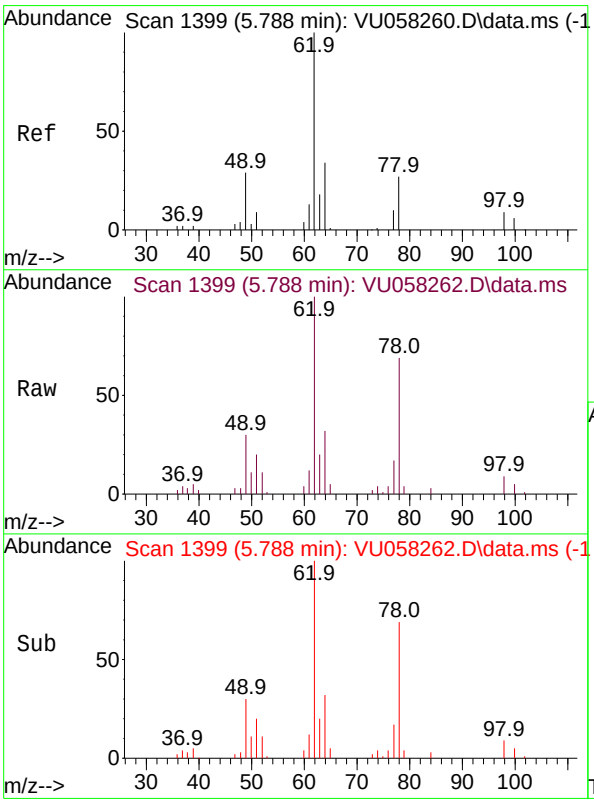



#22
cis-1,2-Dichloroethene
Concen: 1.828 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 96 Resp: 8672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 125.3 | 92.8 | 172.4 |
| 98 | 61.9 | 43.2 | 80.2 |

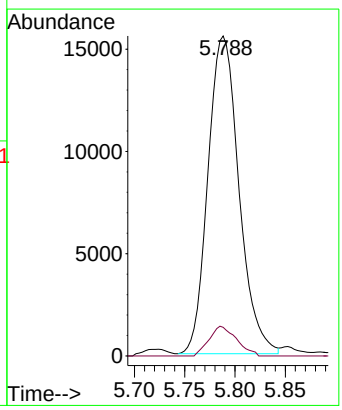


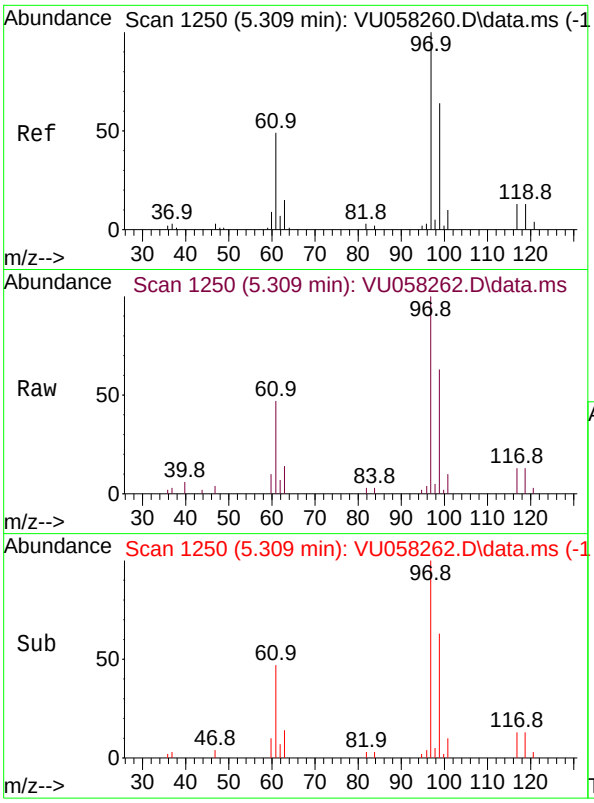




#27
1,2-Dichloroethane
Concen: 6.494 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 62 Resp: 33343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 6.6 | 10.0 |

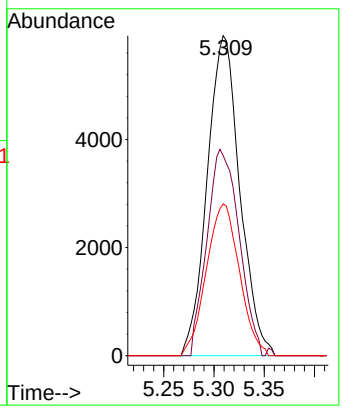


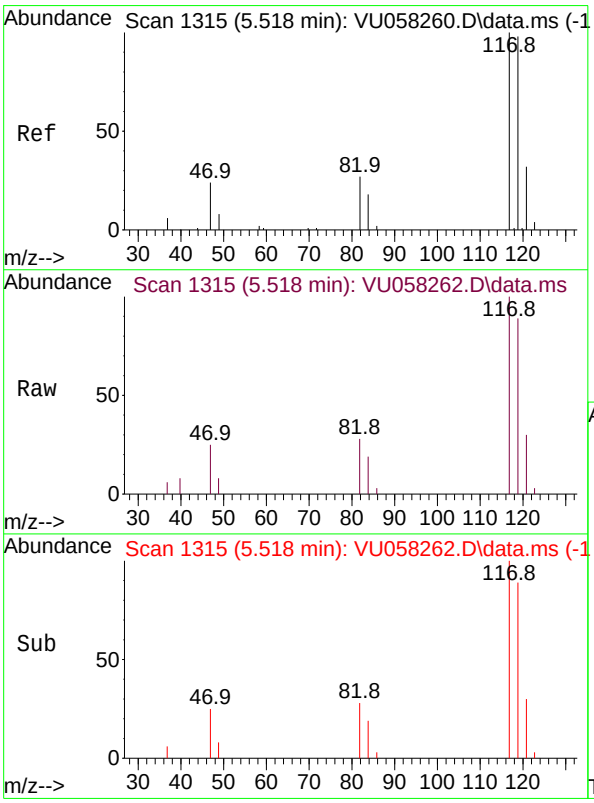



#29
1,1,1-Trichloroethane
Concen: 1.855 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 97 Resp: 13349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 50.5 | 75.7 |
| 61 | 48.1 | 36.3 | 54.5 |

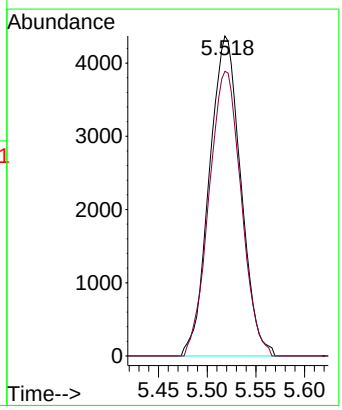


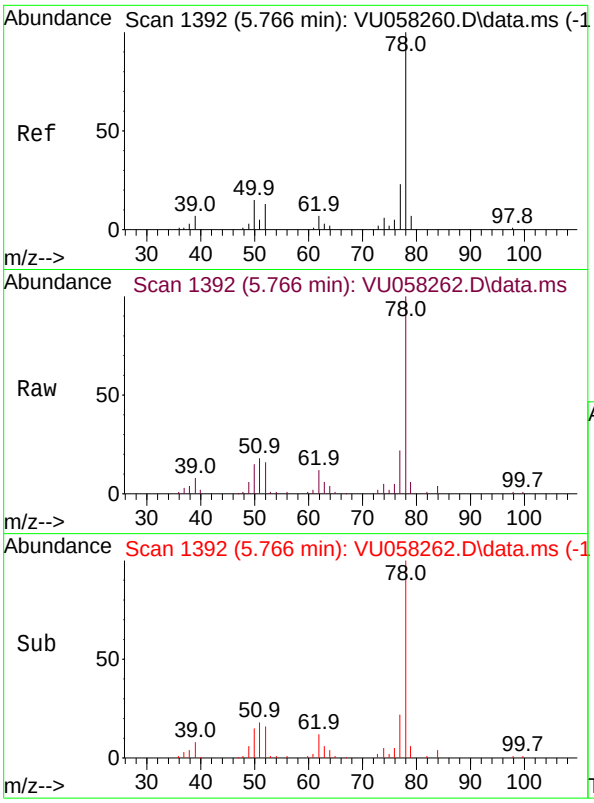




#31
Carbon tetrachloride
Concen: 1.599 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:117 Resp: 9791

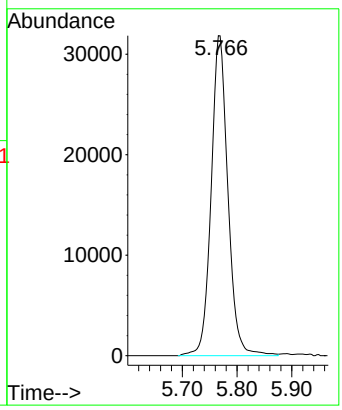
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.1 | 78.1 | 117.1 |

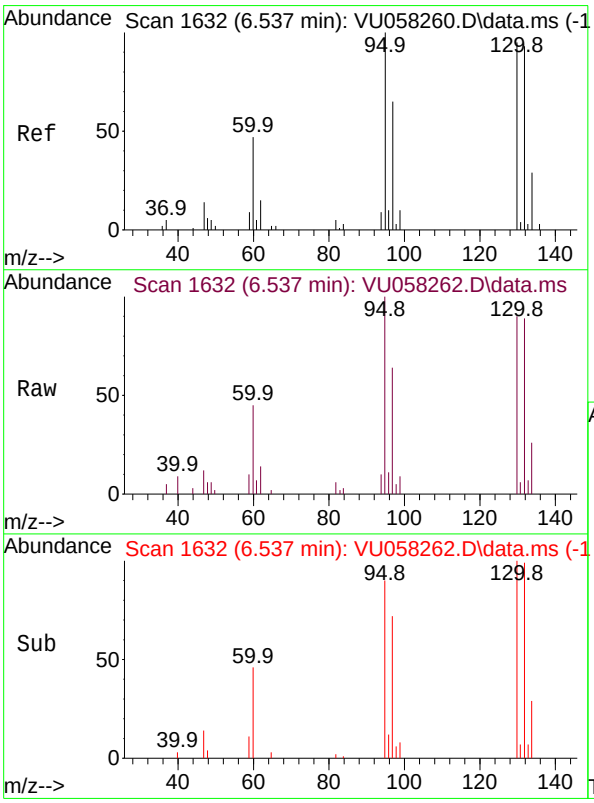





#33
Benzene
Concen: 3.708 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 78 Resp: 67770

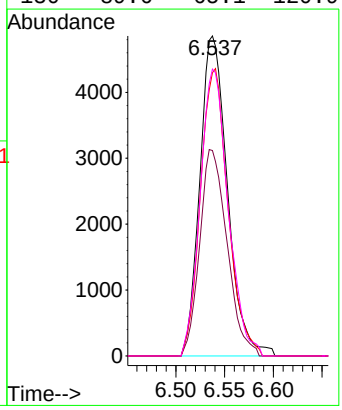


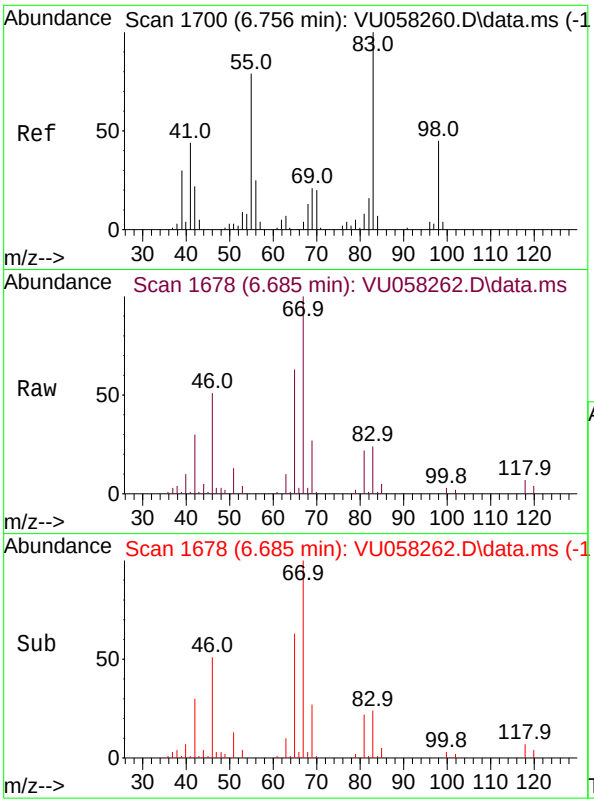




#34
Trichloroethene
Concen: 2.011 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 95 Resp: 9577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.2 | 47.7 | 88.7 |
| 132 | 88.5 | 63.6 | 118.2 |
| 130 | 89.6 | 65.1 | 120.9 |

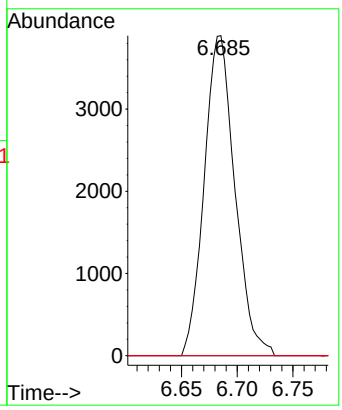


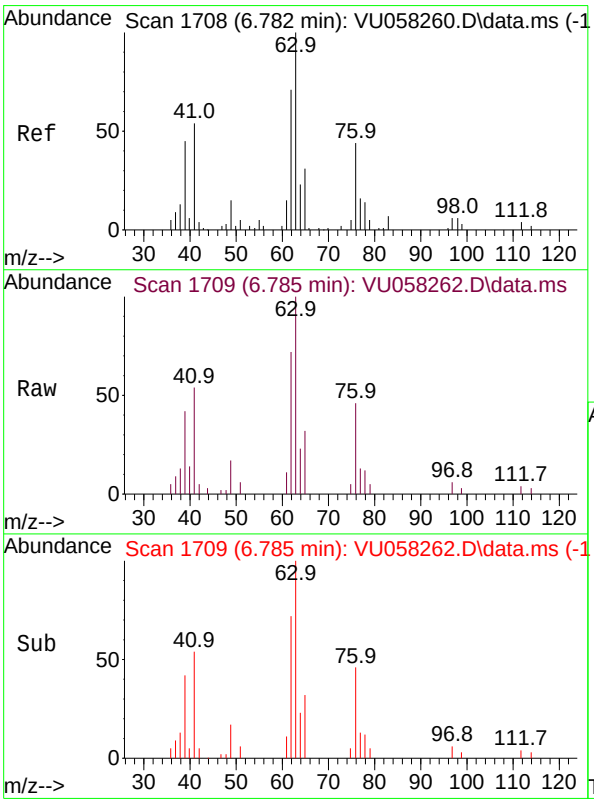



#35
Methylcyclohexane
Concen: 1.124 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.071 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 83 Resp: 7465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 62.7 | 94.1# |
| 98 | 1.4 | 37.3 | 55.9# |

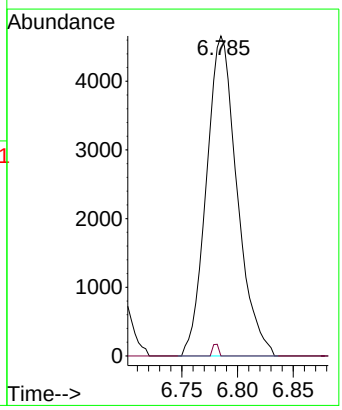


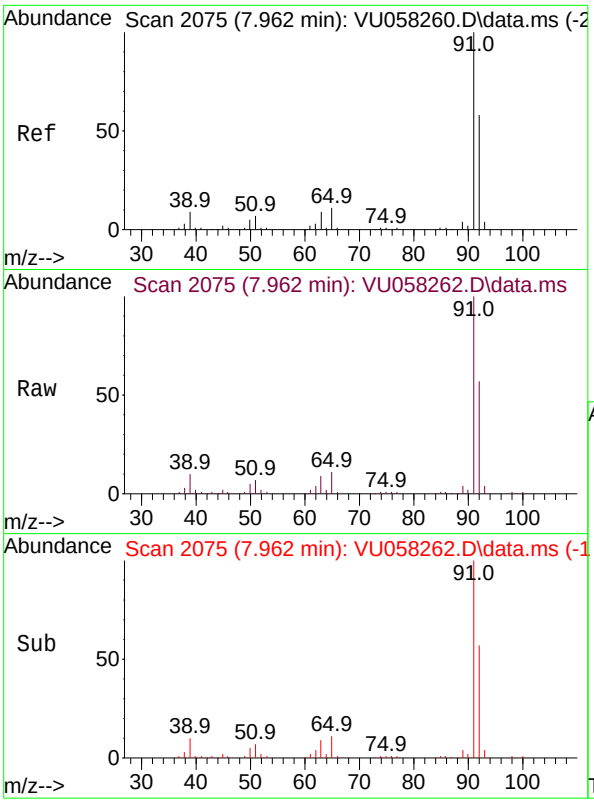




#37
1,2-Dichloropropane
Concen: 1.747 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 63 Resp: 8917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.7 | 2.7 | 4.1# |

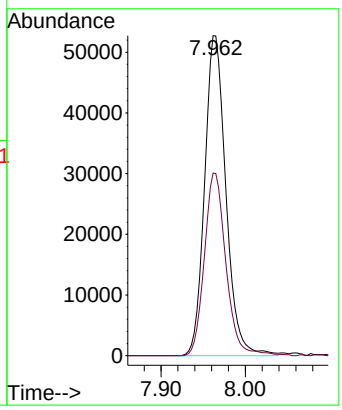


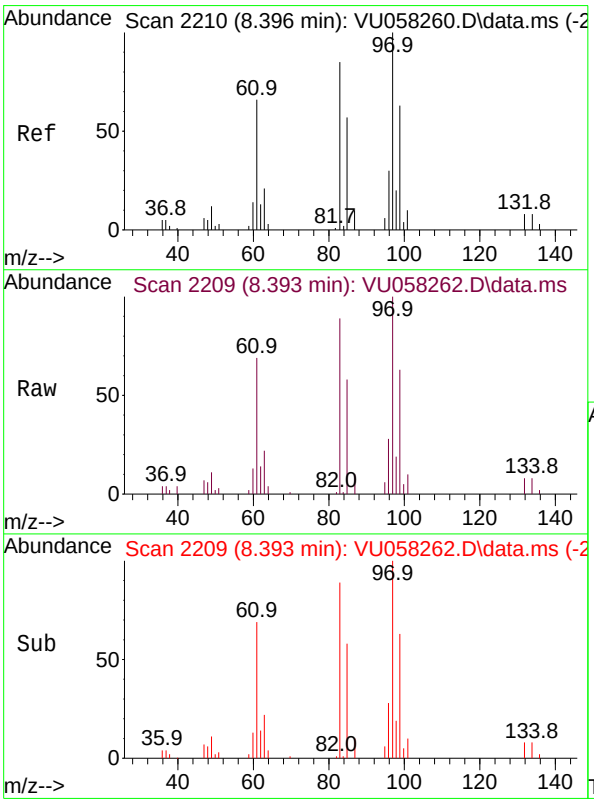



#42
Toluene
Concen: 4.799 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 91 Resp: 92681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.1 | 40.7 | 75.5 |

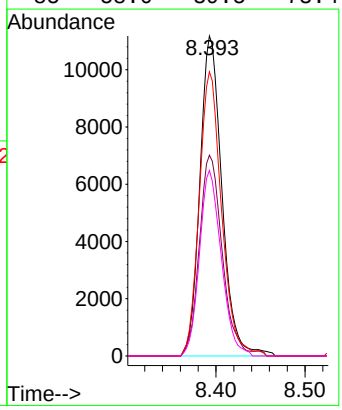


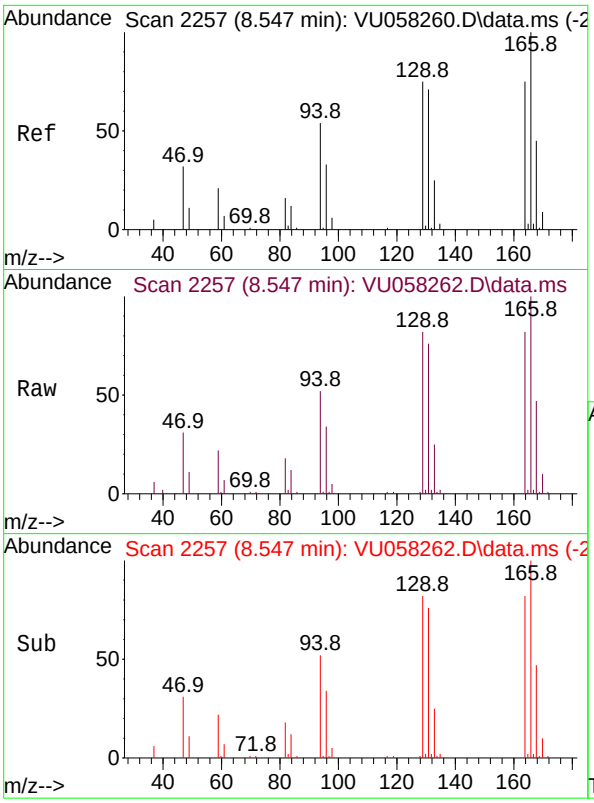




#45
1,1,2-Trichloroethane
Concen: 5.971 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 97 Resp: 19202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.7 | 44.5 | 82.7 |
| 83 | 88.8 | 64.1 | 119.1 |
| 85 | 58.0 | 39.5 | 73.4 |

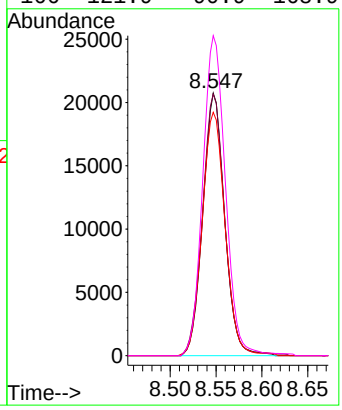


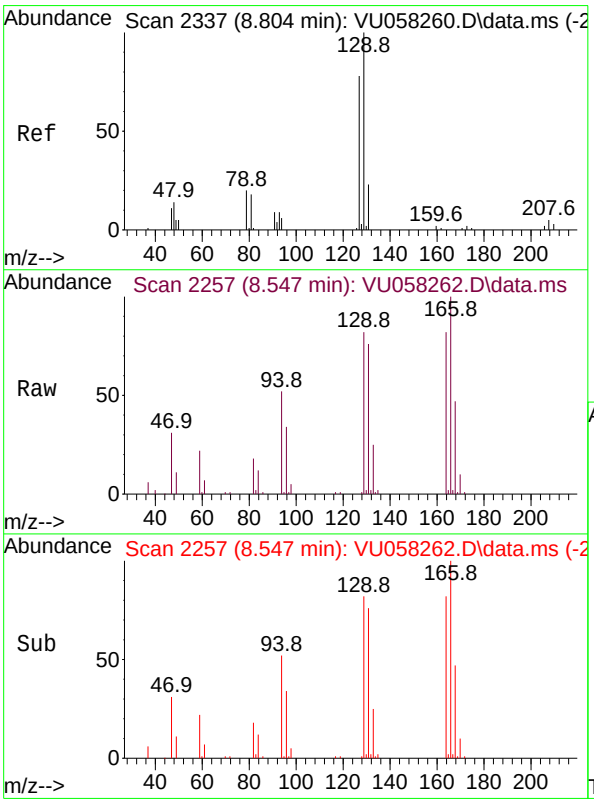



#47
Tetrachloroethene
Concen: 10.726 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:164 Resp: 34208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 99.7 | 71.3 | 132.3 |
| 131 | 92.7 | 70.8 | 131.4 |
| 166 | 121.9 | 90.9 | 168.9 |

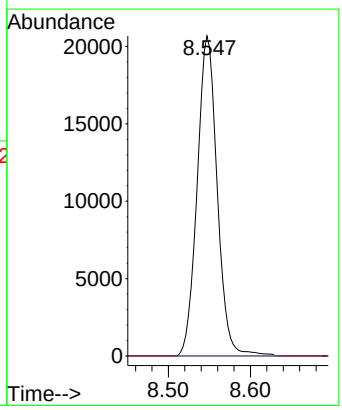


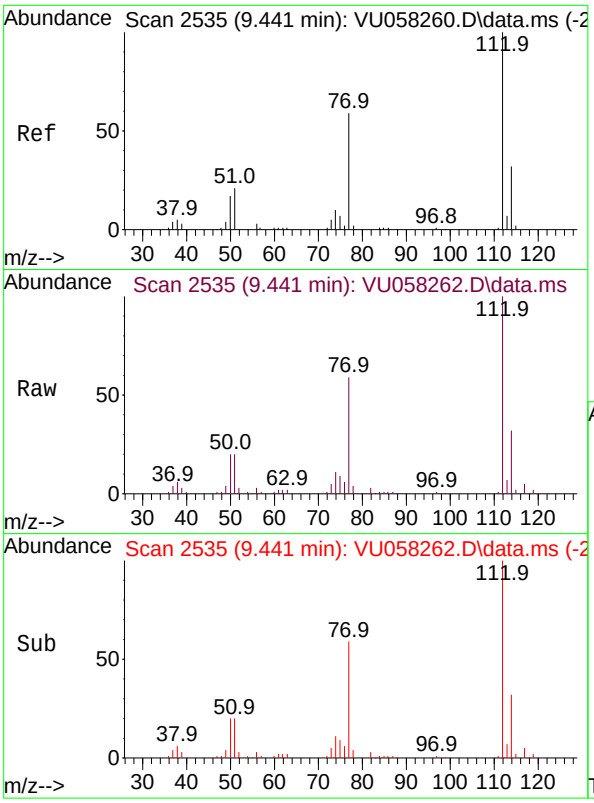




#49
Dibromochloromethane
Concen: 9.969 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.257 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:129 Resp: 35081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 55.7 | 103.5# |

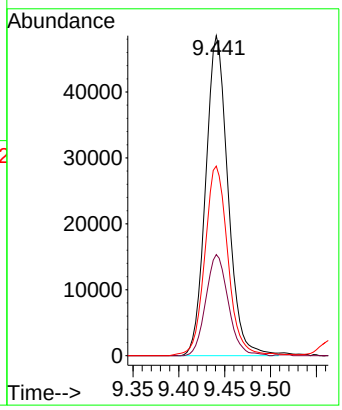


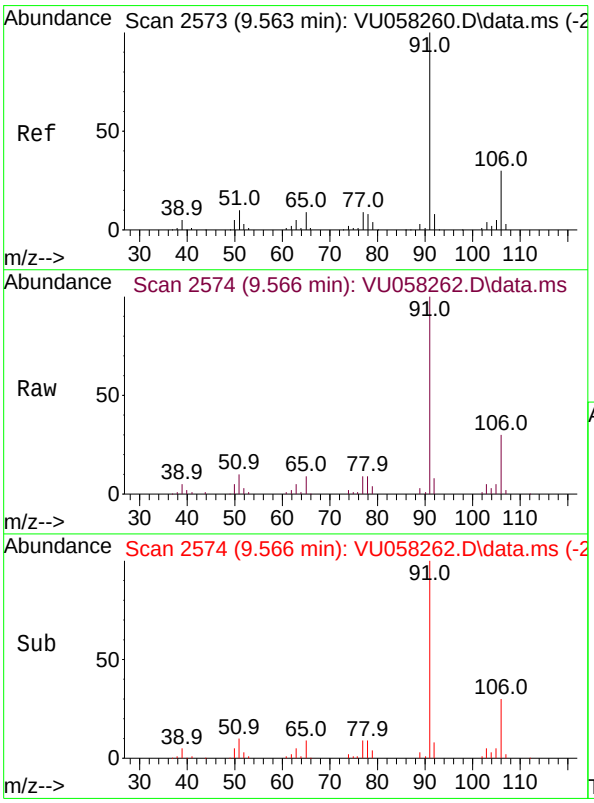



#51
Chlorobenzene
Concen: 6.608 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:112 Resp: 82215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.6 | 22.7 | 42.3 |
| 77 | 59.3 | 48.9 | 73.3 |

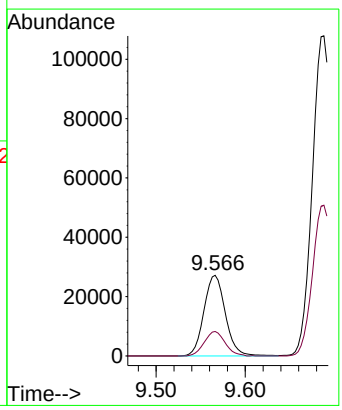


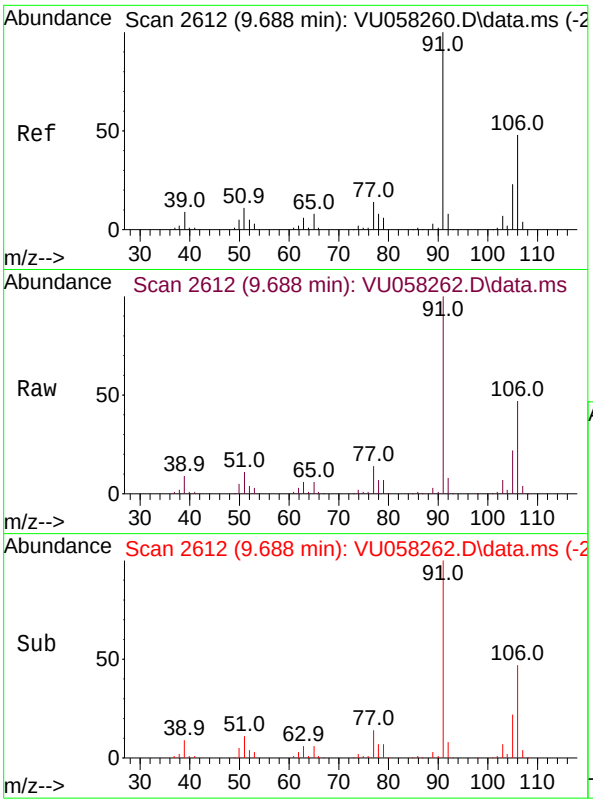




#52
Ethylbenzene
Concen: 2.109 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 91 Resp: 45476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 20.6 | 38.2 |

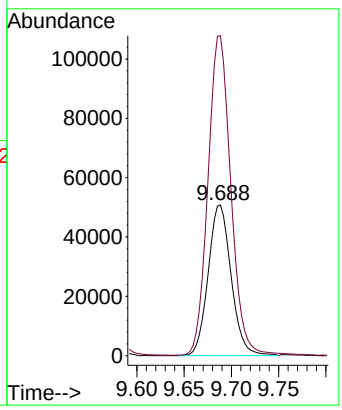


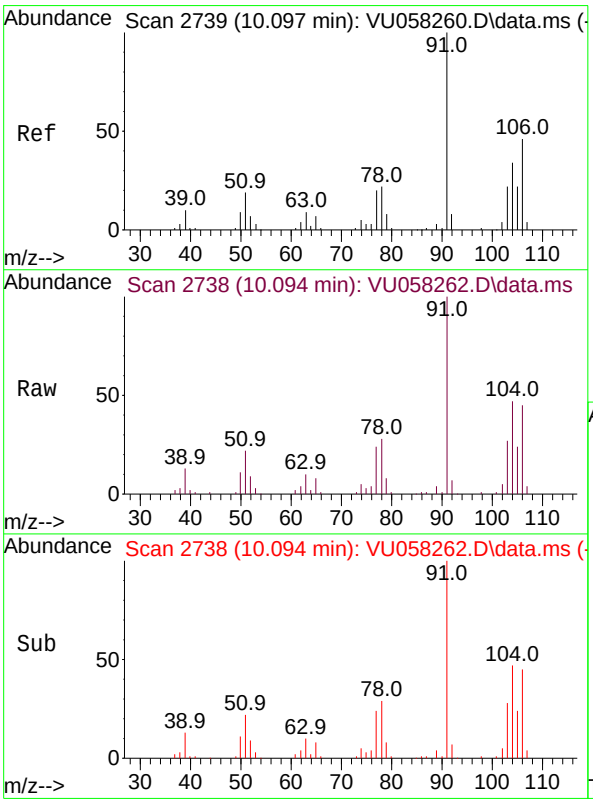



#53
m,p-Xylene
Concen: 11.188 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:106 Resp: 85956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.2 | 151.0 | 280.4 |

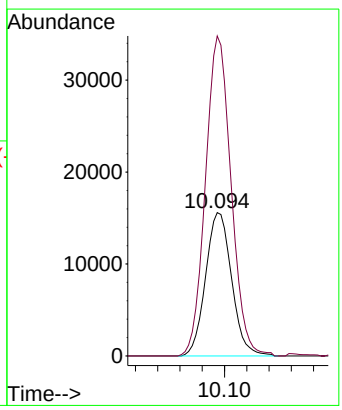


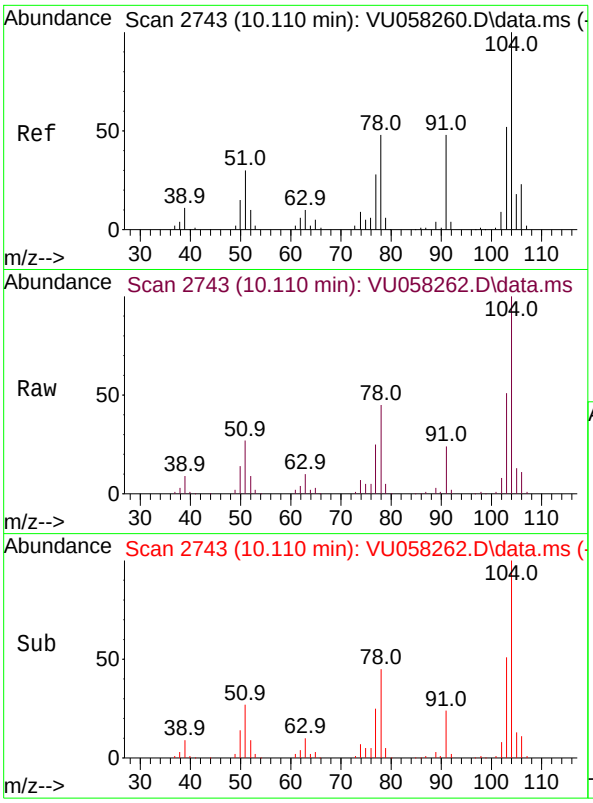




#54
o-Xylene
Concen: 3.266 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. -0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:106 Resp: 25329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.2 | 154.3 | 286.7 |

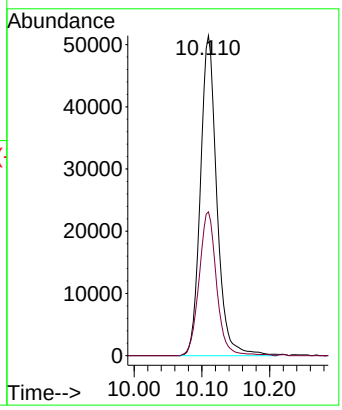


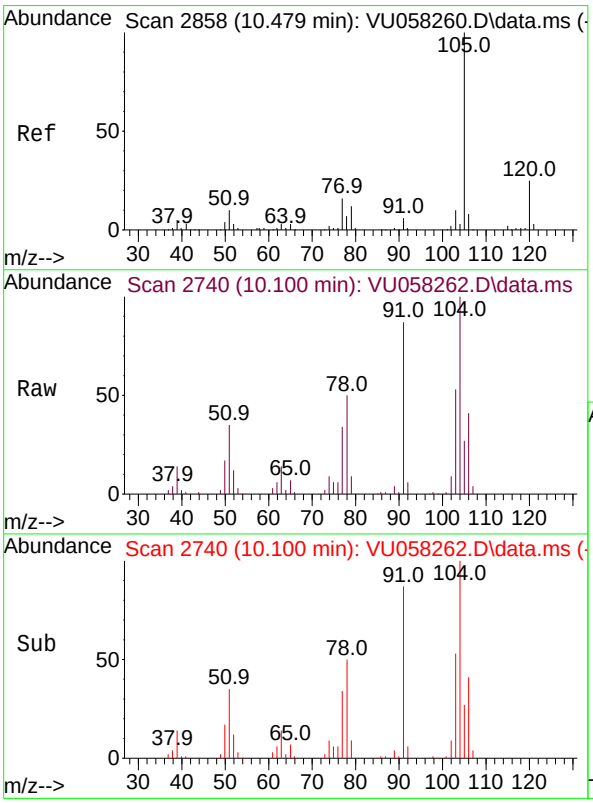



#55
Styrene
Concen: 7.100 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:104 Resp: 86940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.9 | 34.5 | 64.1 |

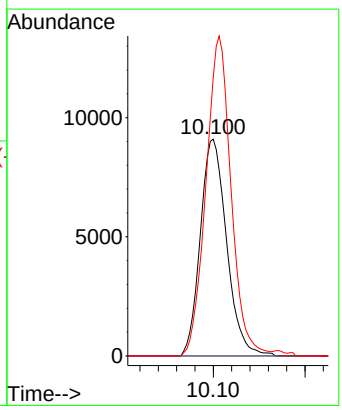


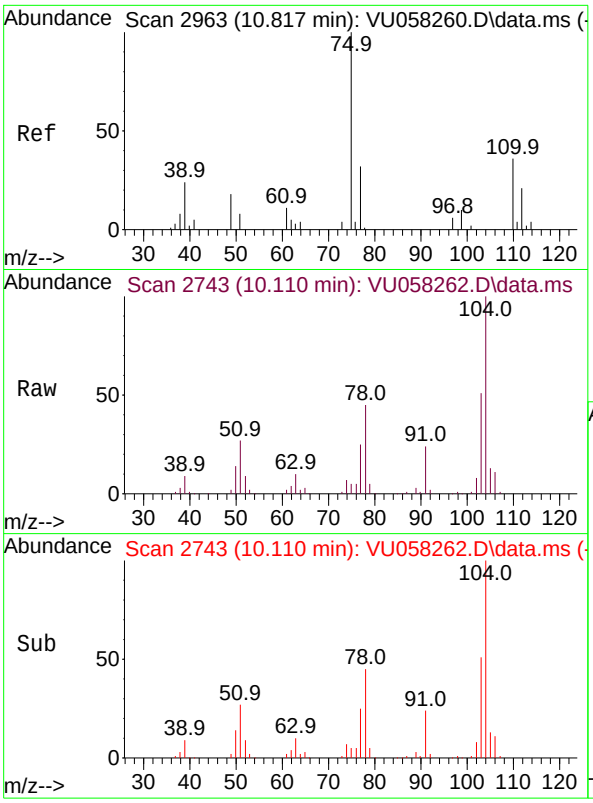




#60
Isopropylbenzene
Concen: 0.936 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. -0.379 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:105 Resp: 18120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 20.5 | 30.7# |
| 77 | 141.0 | 13.2 | 19.8# |

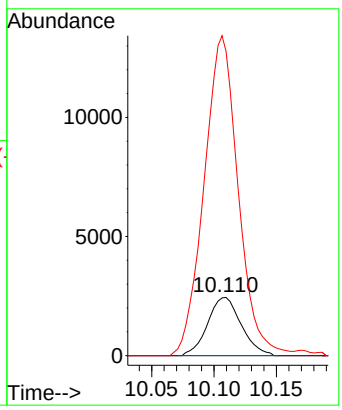


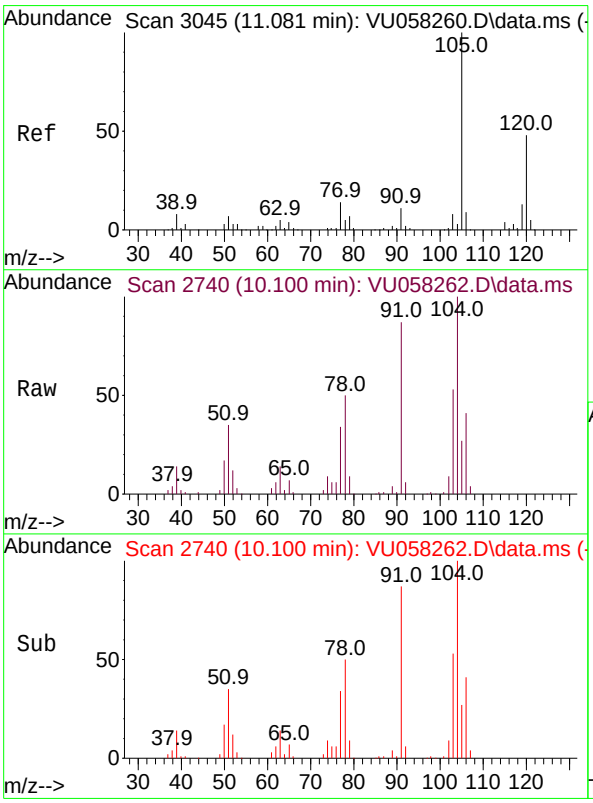



#61
1,2,3-Trichloropropane
Concen: 1.702 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.707 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion: 75 Resp: 4596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 28.1 | 42.1# |
| 77 | 555.8 | 25.1 | 37.7# |

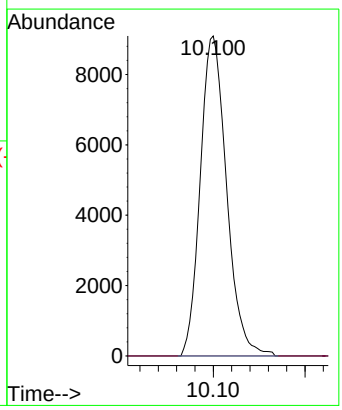


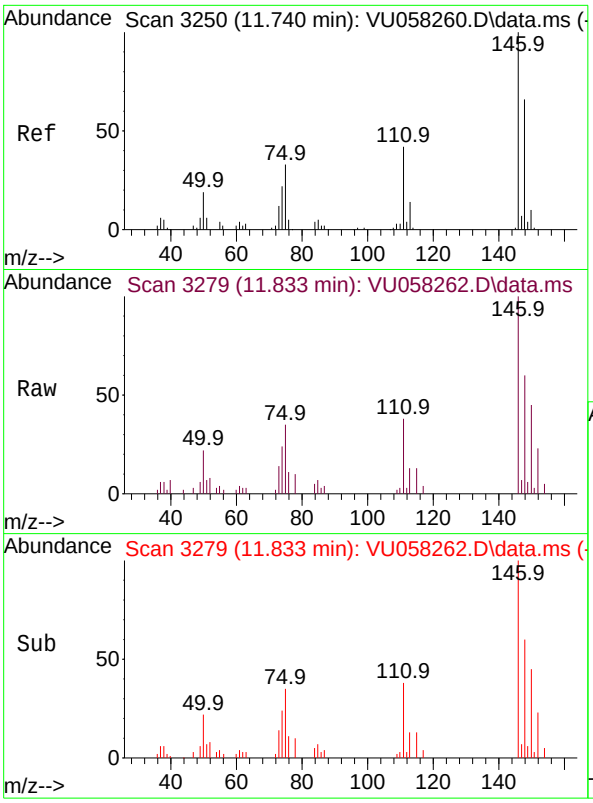




#62
1,3,5-Trimethylbenzene
Concen: 1.115 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. -0.981 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:105 Resp: 18120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 36.7 | 55.1# |

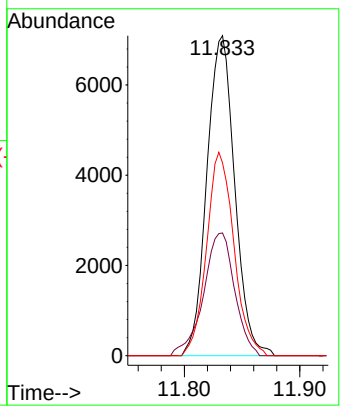


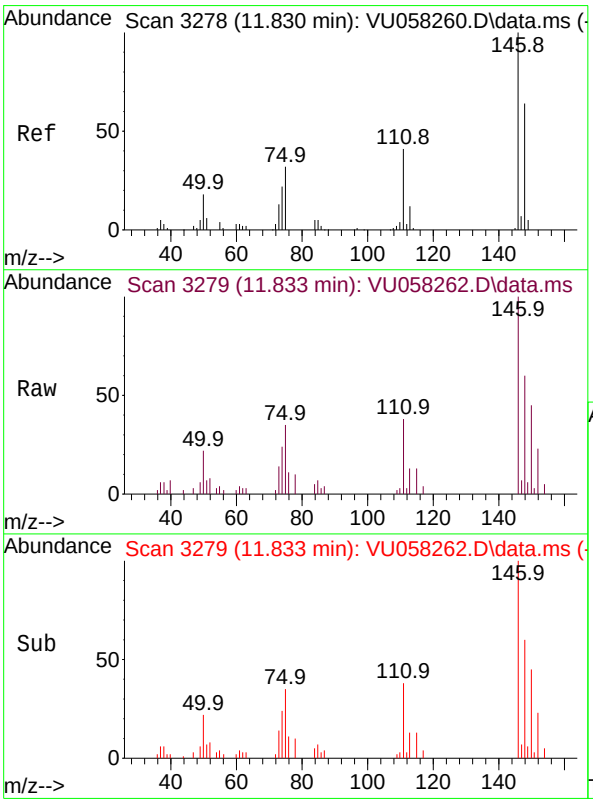



#64
1,3-Dichlorobenzene
Concen: 1.319 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.093 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:146 Resp: 11896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.3 | 29.9 | 55.5 |
| 148 | 60.2 | 44.4 | 82.4 |

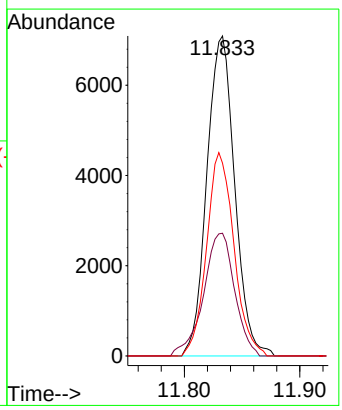


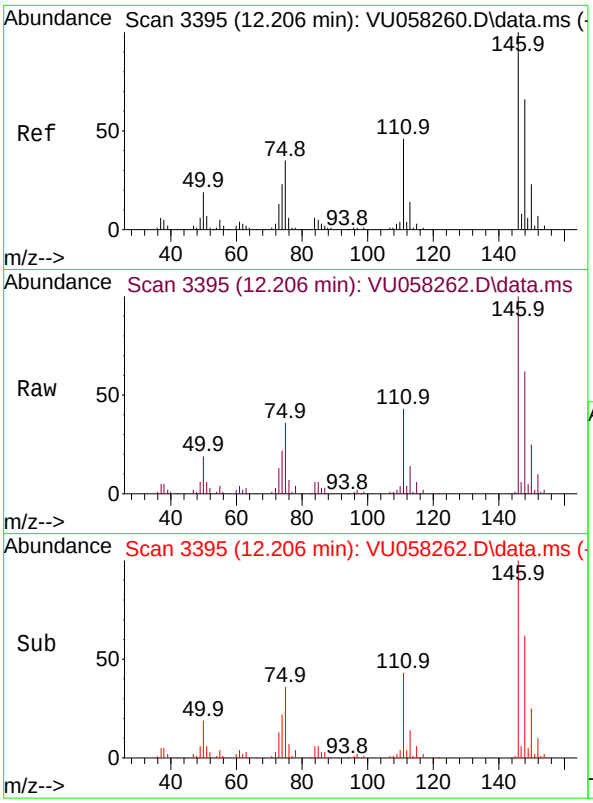




#65
1,4-Dichlorobenzene
Concen: 1.365 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:146 Resp: 11896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.3 | 29.0 | 53.8 |
| 148 | 60.2 | 44.5 | 82.7 |

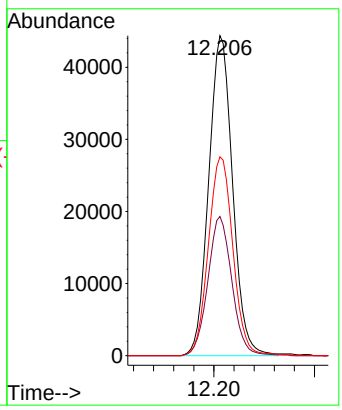


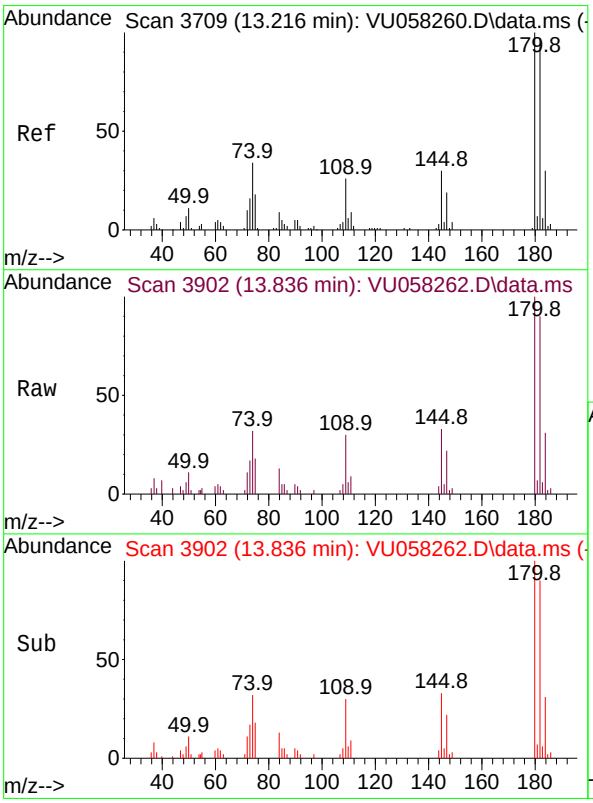



#67
1,2-Dichlorobenzene
Concen: 8.775 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:146 Resp: 73193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 35.9 | 53.9 |
| 148 | 62.2 | 52.4 | 78.6 |

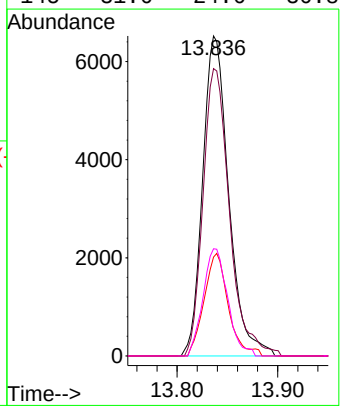


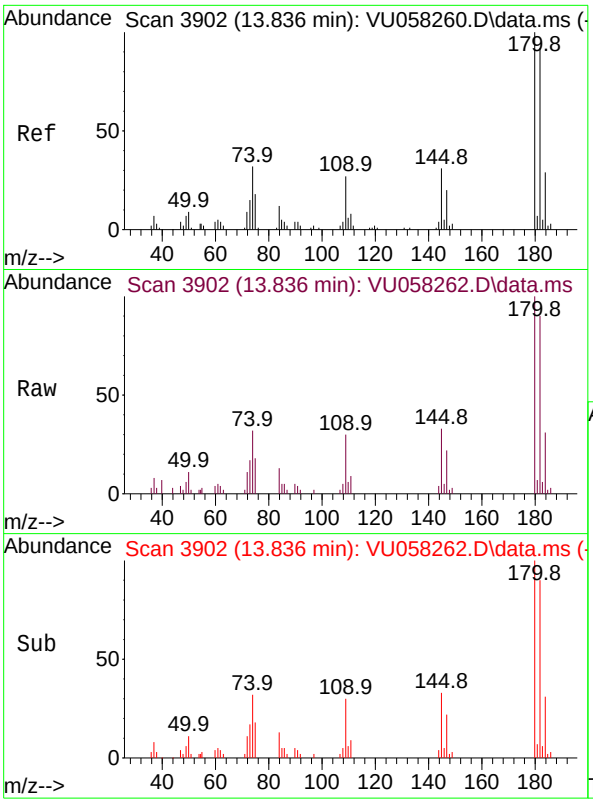




#69
1,3,5-Trichlorobenzene
Concen: 1.859 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.621 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:180 Resp: 11724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 75.4 | 113.0 |
| 184 | 29.8 | 24.8 | 37.2 |
| 145 | 31.6 | 24.6 | 36.8 |






#70
1,2,4-trichlorobenzene
Concen: 2.492 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU058262.D
Acq: 29 Mar 2024 12:22

Tgt Ion:180 Resp: 11724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 74.5 | 111.7 |
| 145 | 31.6 | 24.5 | 36.7 |