Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
Data File : VU063529.D
Acq On : 17 Jul 2025 17:20
Operator : MD/SY
Sample : Q2552-07
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 18 05:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 18 05:14:02 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
WS0725-PT-RVOA-WS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 08/20/2025
Supervised By :Mahesh Dadoda 08/20/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.097 | 96 | 21368m | 1.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.627 | 95 | 8119 | 1.004 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 100.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 7549 | 1.009 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 101.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) Vinyl Chloride | 1.599 | 62 | 169988 | 22.788 | ug/l | 99 |
| 9) 1,1-Dichloroethene | 2.567 | 96 | 47673 | 8.594 | ug/l | 96 |
| 15) Methylene Chloride | 3.030 | 84 | 87096 | 13.335 | ug/l | 98 |
| 16) trans-1,2-Dichloroethene | 3.335 | 96 | 116242 | 18.450 | ug/l | 99 |
| 22) cis-1,2-Dichloroethene | 4.647 | 96 | 34837 | 5.096 | ug/l | 90 |
| 28) 1,1,1-Trichloroethane | 5.293 | 97 | 180945 | 17.891 | ug/l | 98 |
| 30) Carbon Tetrachloride | 5.496 | 117 | 18569 | 2.281 | ug/l | 93 |
| 35) Benzene | 5.750 | 78 | 377988 | 15.016 | ug/l | 99 |
| 36) 1,2-Dichloroethane | 5.779 | 62 | 103598 | 13.245 | ug/l | 99 |
| 37) Trichloroethene | 6.525 | 130 | 76177 | 11.861 | ug/l | 97 |
| 38) 1,2-Dichloropropane | 6.779 | 63 | 85102 | 14.445 | ug/l | 99 |
| 49) Toluene | 7.959 | 92 | 31066 | 2.260 | ug/l | 97 |
| 52) 1,1,2-Trichloroethane | 8.393 | 97 | 58960 | 14.349 | ug/l | 99 |
| 58) Tetrachloroethene | 8.541 | 164 | 77148 | 13.124 | ug/l | 98 |
| 59) Chlorobenzene | 9.438 | 112 | 280950 | 17.797 | ug/l | 100 |
| 63) Ethyl Benzene | 9.560 | 91 | 445992 | 16.418 | ug/l | 99 |
| 64) m/p-Xylenes | 9.685 | 106 | 141952 | 13.444 | ug/l | 98 |
| 65) o-Xylene | 10.090 | 106 | 133669 | 13.175 | ug/l | 97 |
| 66) Styrene | 10.107 | 104 | 42618m | 2.636 | ug/l | |
| 83) 1,4-Dichlorobenzene | 11.830 | 146 | 77219 | 6.091 | ug/l | 99 |
| 85) 1,2-Dichlorobenzene | 12.206 | 146 | 66816 | 5.615 | ug/l | 99 |
| 87) 1,2,4-Trichlorobenzene | 13.833 | 180 | 125271 | 16.930 | ug/l | 100 |

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

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Misc : 25mL/MSVOA_U/WATER
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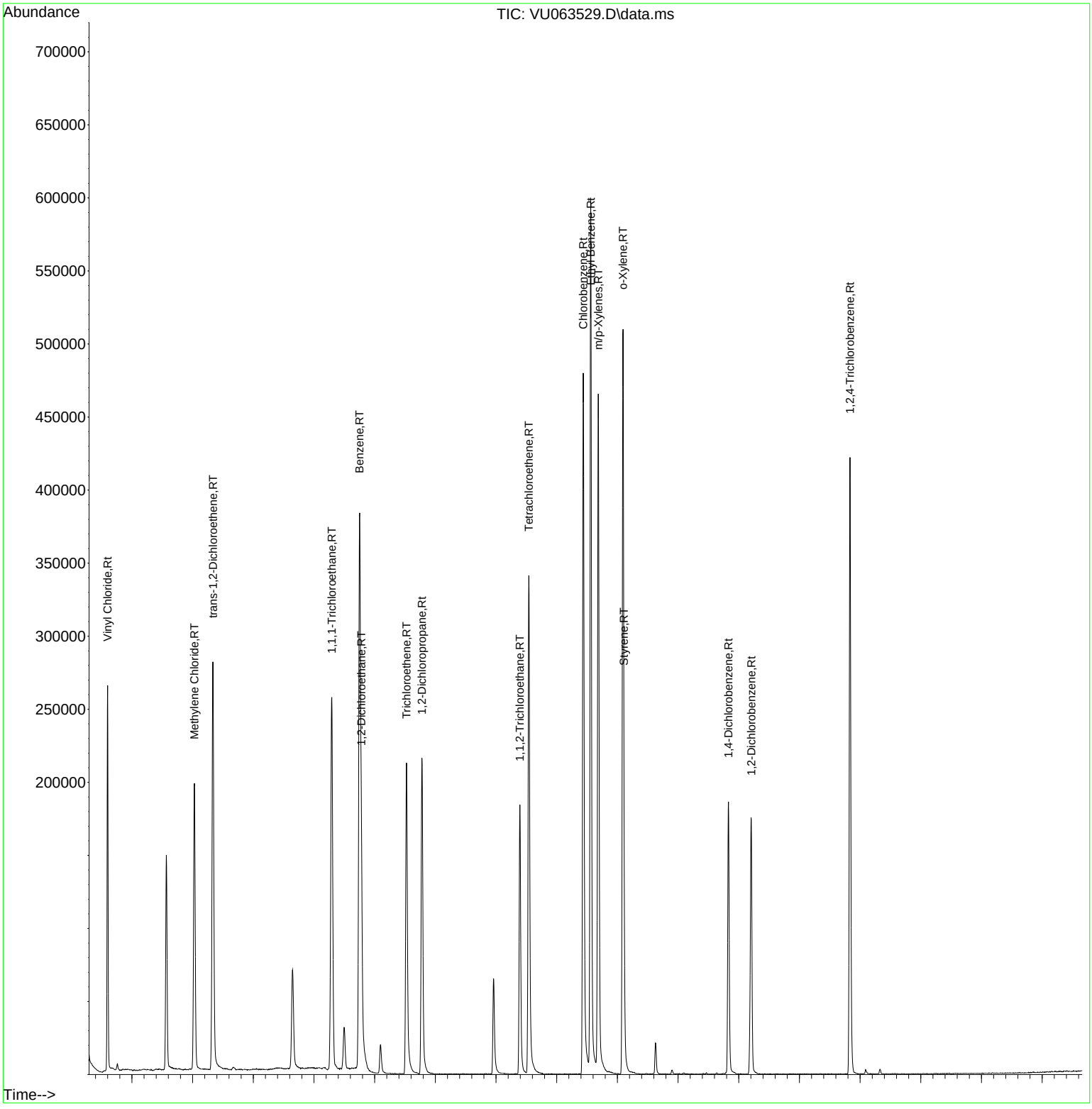
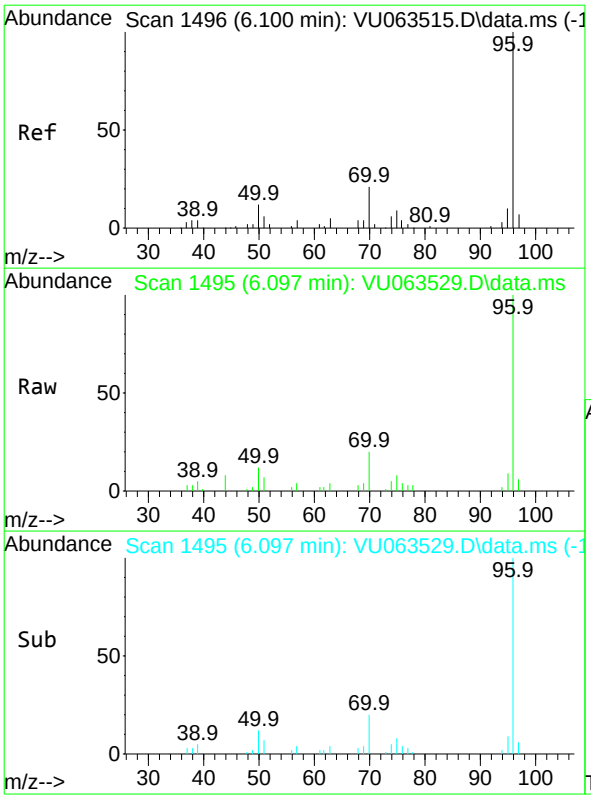
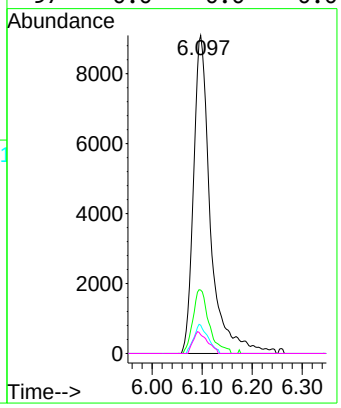





#1
Fluorobenzene
Concen: 1.000 ug/l m
RT: 6.097 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 96 Resp: 21368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 70 | 19.1 | 15.0 | 22.4 |
| 95 | 7.6 | 7.4 | 11.0 |
| 97 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_U
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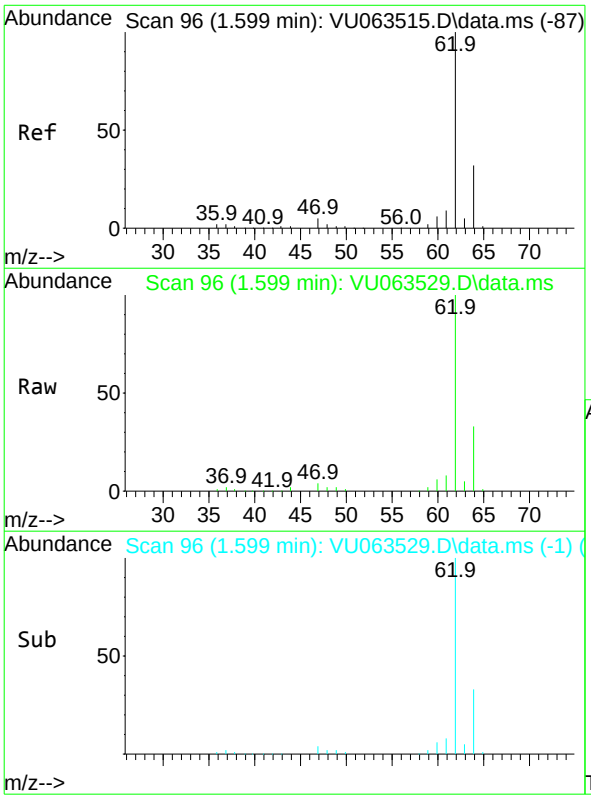
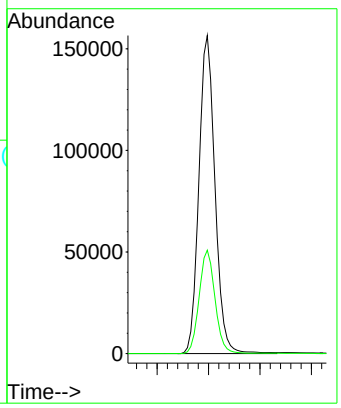
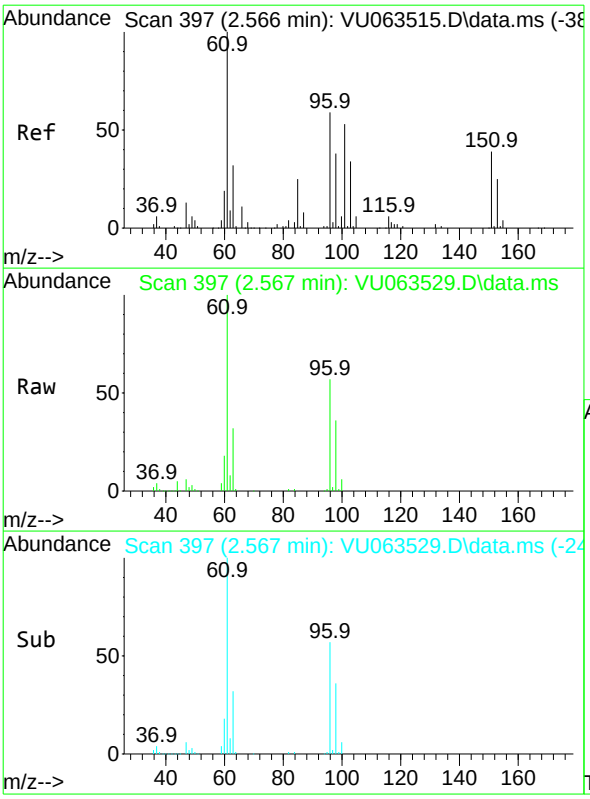



#4
Vinyl Chloride
Concen: 22.788 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 62 Resp: 169988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 25.7 | 38.5 |

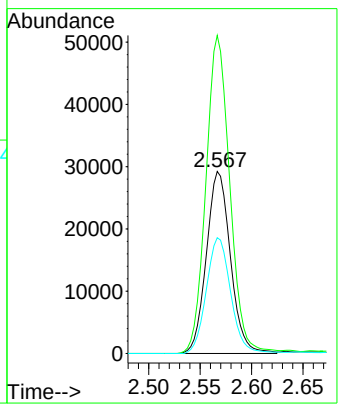





#9
1,1-Dichloroethene
Concen: 8.594 ug/l
RT: 2.567 min Scan# 39
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 96 Resp: 47673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.7 | 0.0 | 504.3 |
| 98 | 63.6 | 0.0 | 126.8 |

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MSVOA_U
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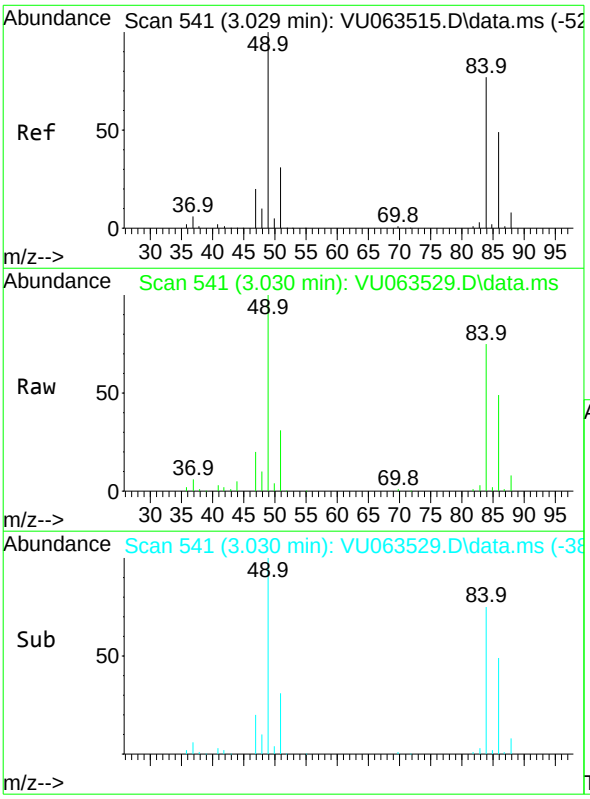
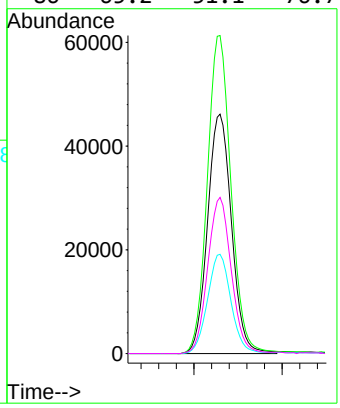
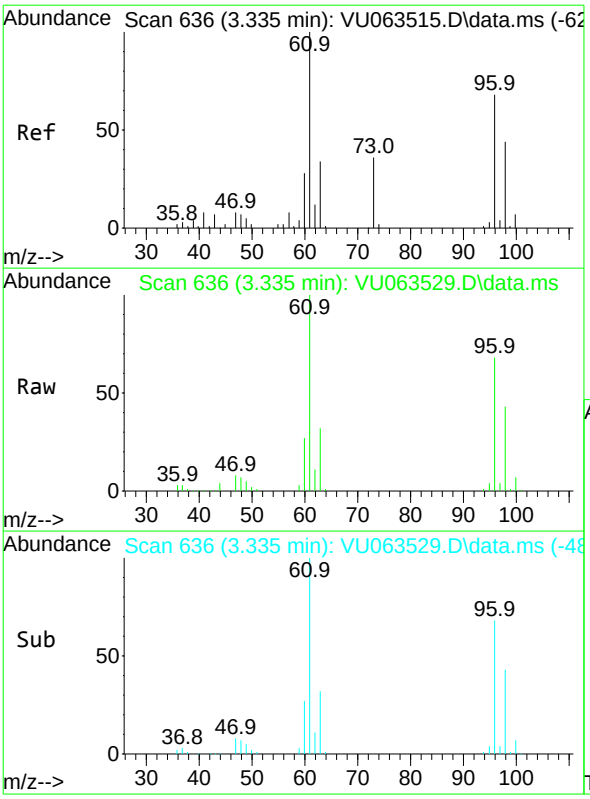



#15
Methylene Chloride
Concen: 13.335 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 84 Resp: 87096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.8 | 103.8 | 155.8 |
| 51 | 41.5 | 0.0 | 80.4 |
| 86 | 65.2 | 51.1 | 76.7 |

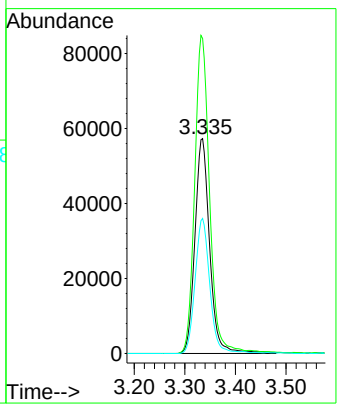





#16
trans-1,2-Dichloroethene
Concen: 18.450 ug/l
RT: 3.335 min Scan# 63
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 96 Resp: 116242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.6 | 117.2 | 175.8 |
| 98 | 62.9 | 51.4 | 77.2 |




**Instrument :**
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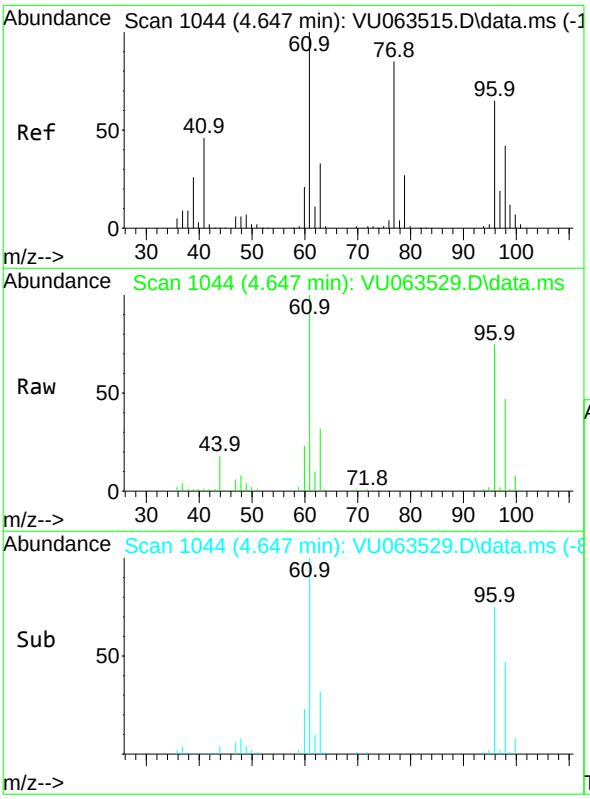
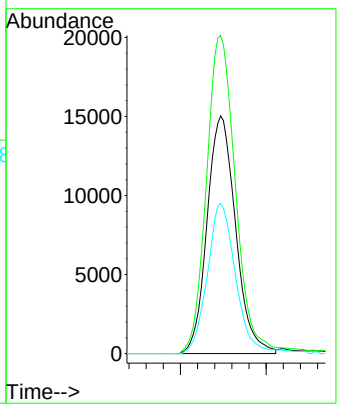
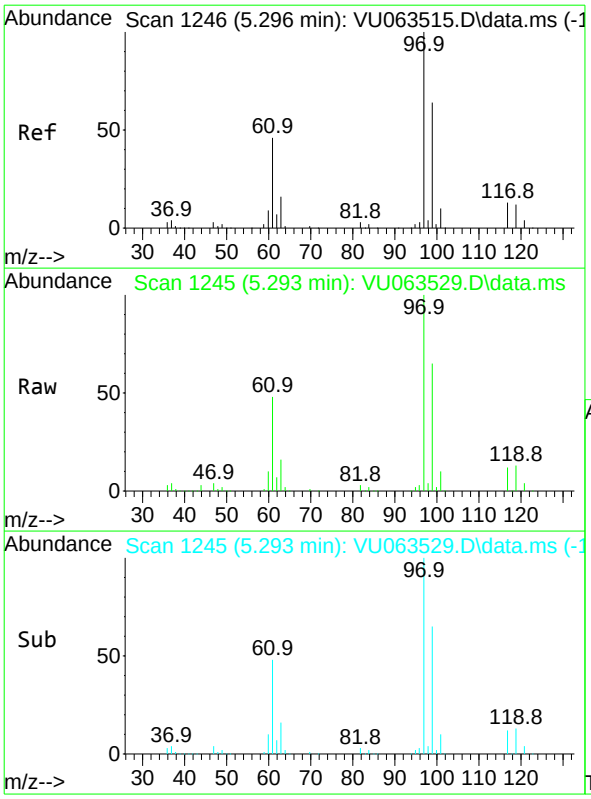



#22
cis-1,2-Dichloroethene
Concen: 5.096 ug/l
RT: 4.647 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 96 Resp: 34837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.5 | 0.0 | 384.7 |
| 98 | 62.8 | 32.1 | 96.3 |

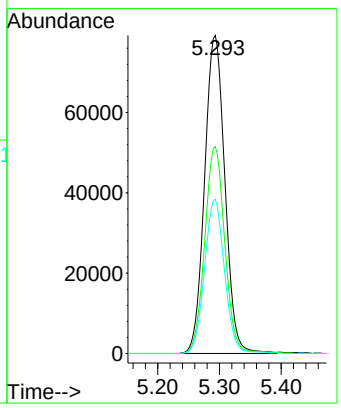





#28
1,1,1-Trichloroethane
Concen: 17.891 ug/l
RT: 5.293 min Scan# 12
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 97 Resp: 180945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 31.8 | 95.3 |
| 61 | 47.9 | 23.3 | 69.9 |

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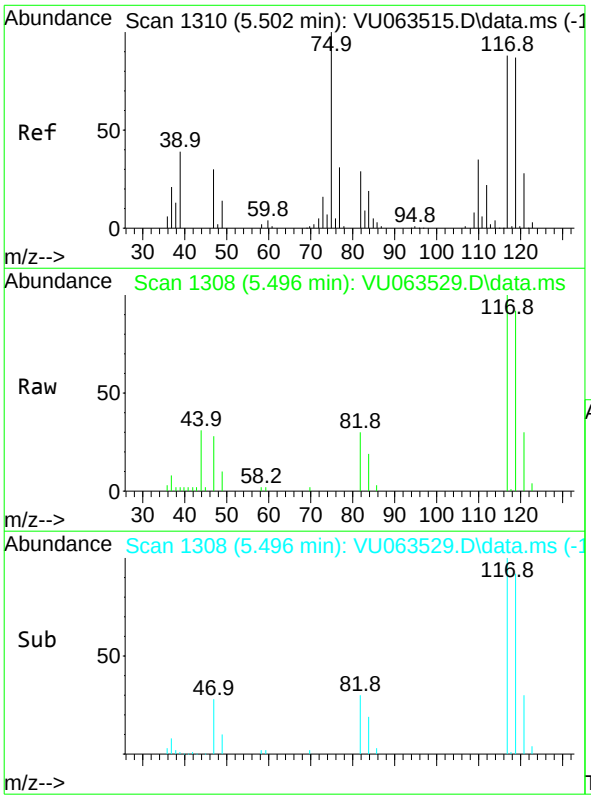
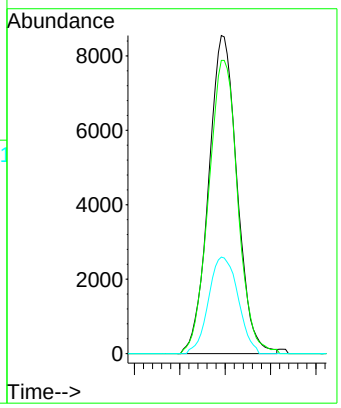
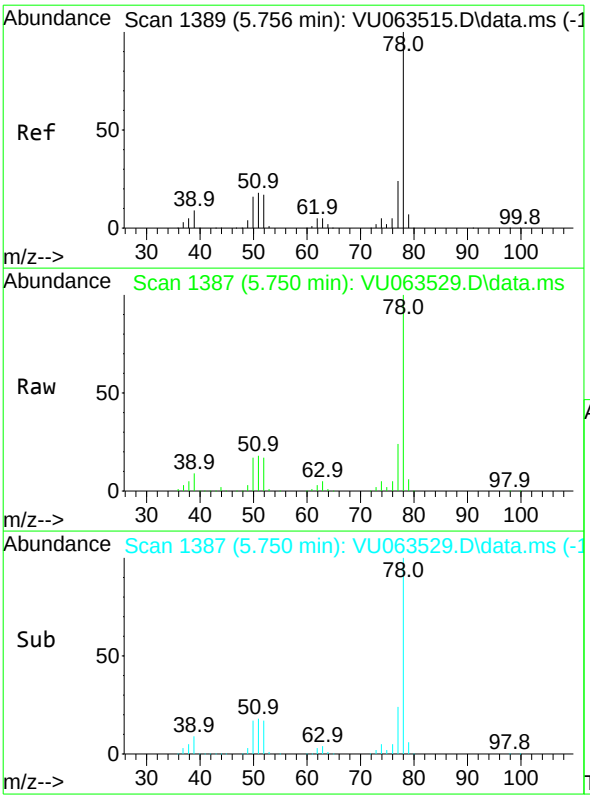



#30
Carbon Tetrachloride
Concen: 2.281 ug/l
RT: 5.496 min Scan# 1308
Delta R.T. -0.006 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:117 Resp: 18569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.0 | 79.2 | 118.8 |
| 121 | 30.0 | 25.5 | 38.3 |

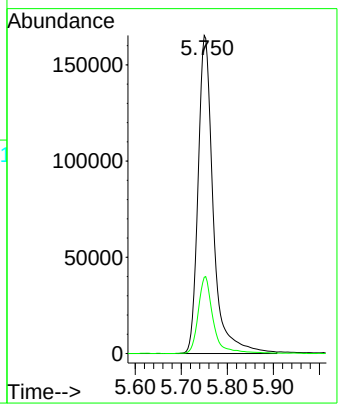





#35
Benzene
Concen: 15.016 ug/l
RT: 5.750 min Scan# 13
Delta R.T. -0.006 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 78 Resp: 377988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.4 | 29.2 |

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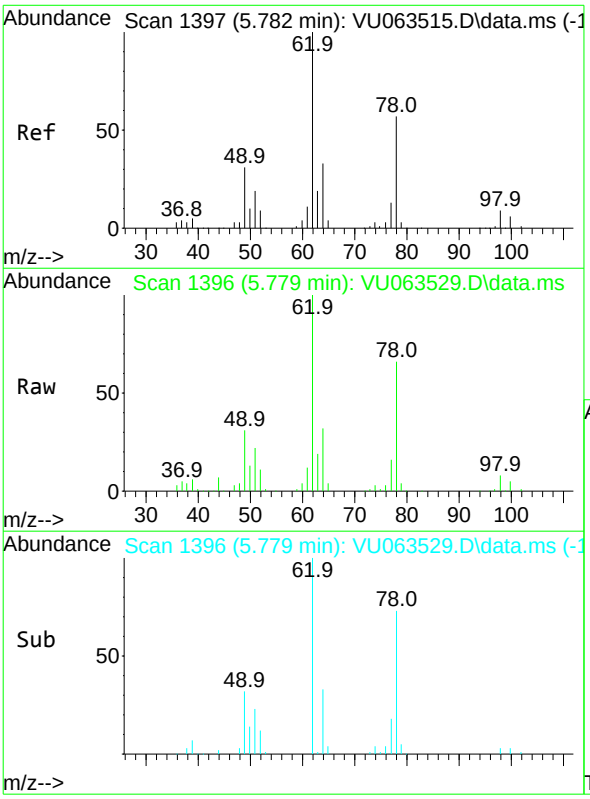
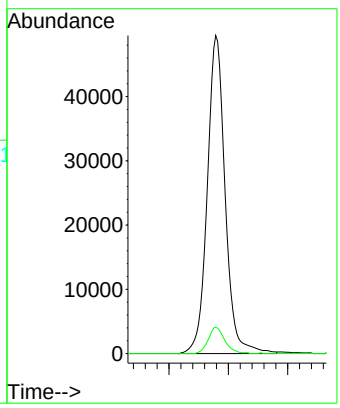
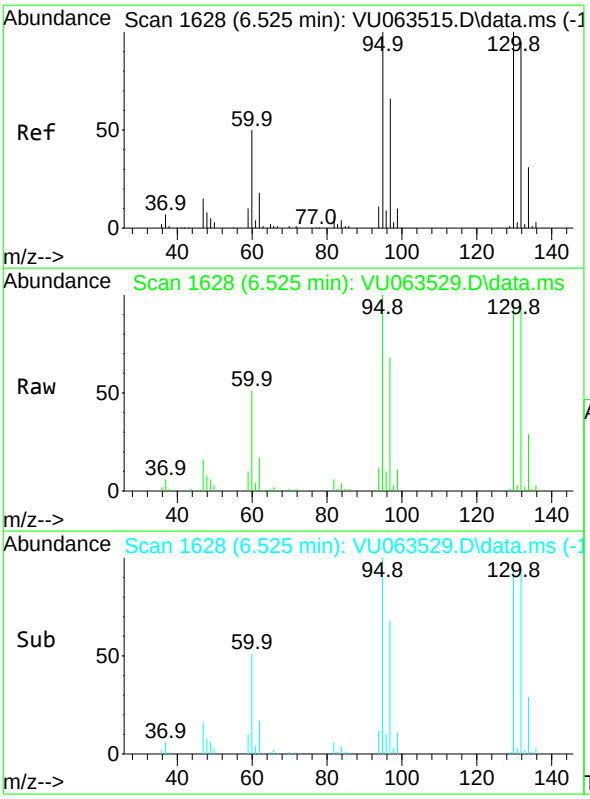



#36
1,2-Dichloroethane
Concen: 13.245 ug/l
RT: 5.779 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 62 Resp: 103598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.7 | 6.4 | 9.6 |

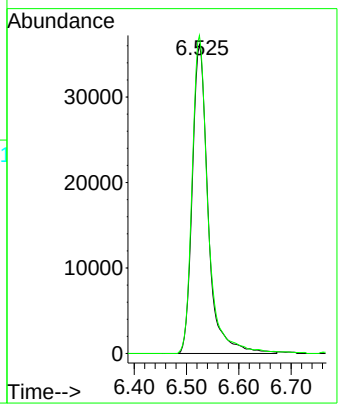





#37
Trichloroethene
Concen: 11.861 ug/l
RT: 6.525 min Scan# 16
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:130 Resp: 76177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.0 | 80.3 | 120.5 |

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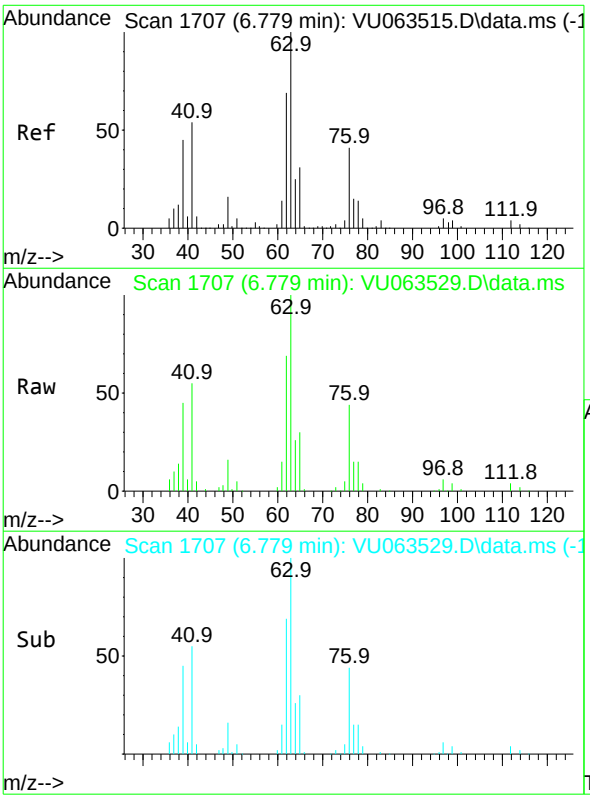
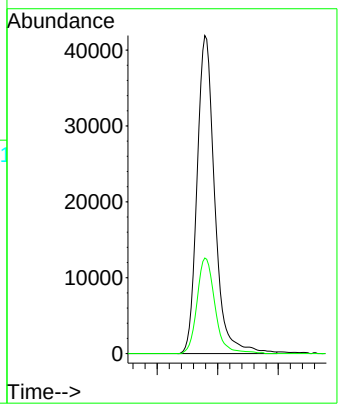
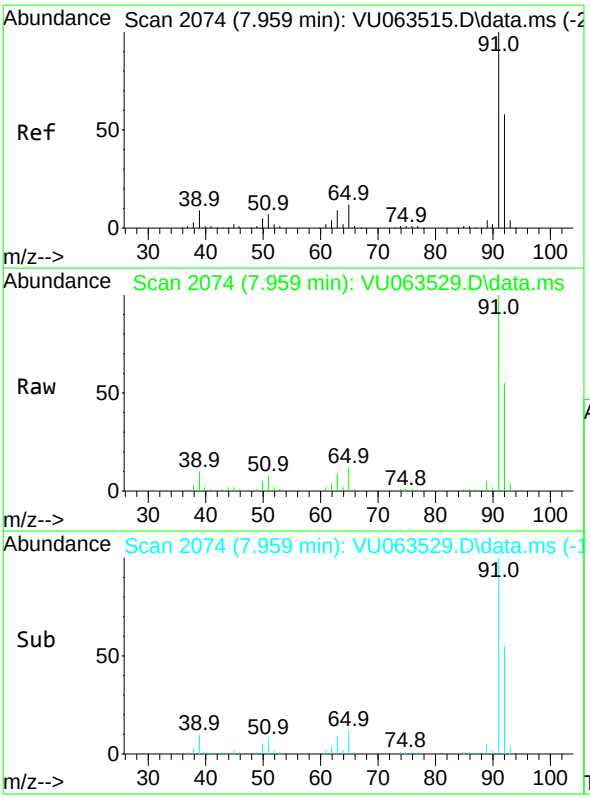



#38
1,2-Dichloropropane
Concen: 14.445 ug/l
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 63 Resp: 85102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 24.6 | 36.8 |

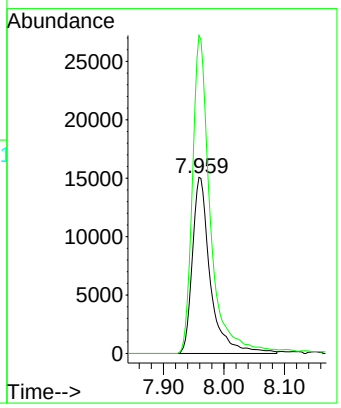





#49
Toluene
Concen: 2.260 ug/l
RT: 7.959 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 92 Resp: 31066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.5 | 140.4 | 210.6 |

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**ClientSampleId :**
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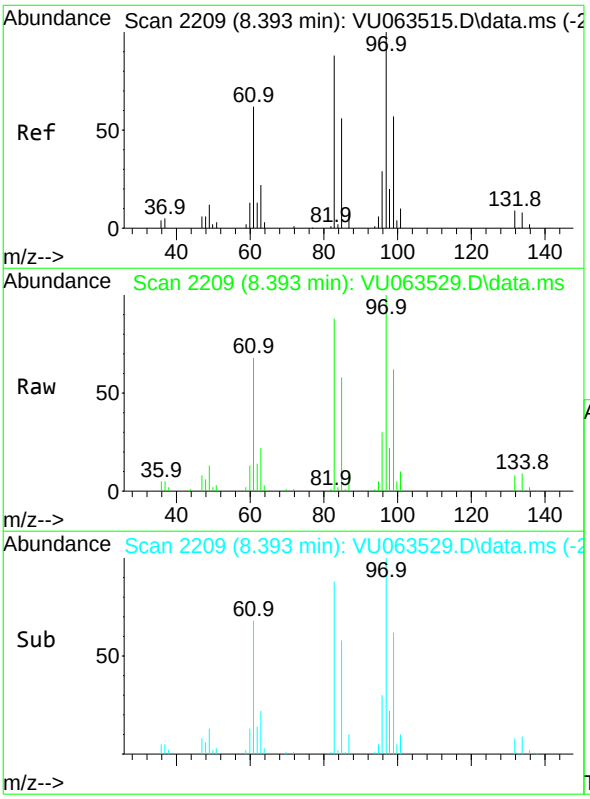
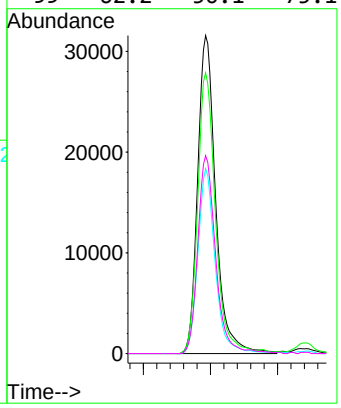
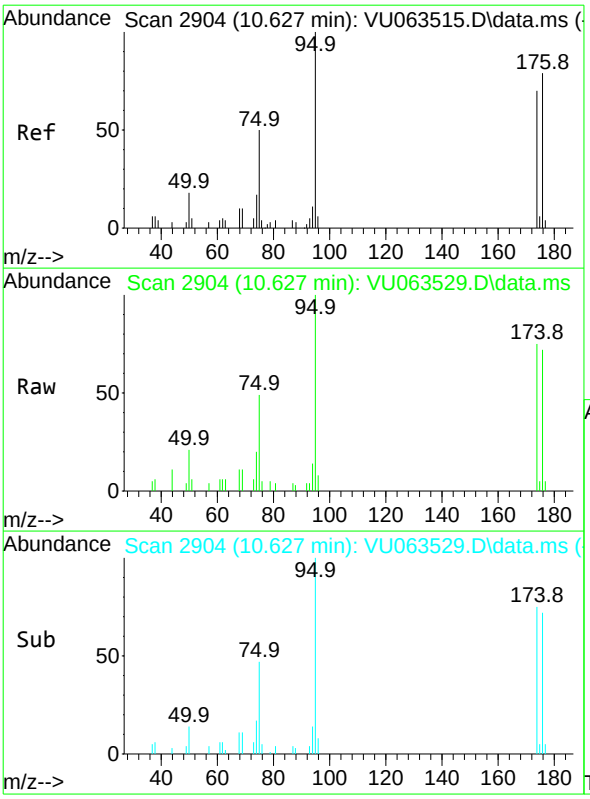



#52
1,1,2-Trichloroethane
Concen: 14.349 ug/l
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 97 Resp: 58960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.3 | 70.2 | 105.2 |
| 85 | 58.1 | 45.2 | 67.8 |
| 99 | 62.2 | 50.1 | 75.1 |

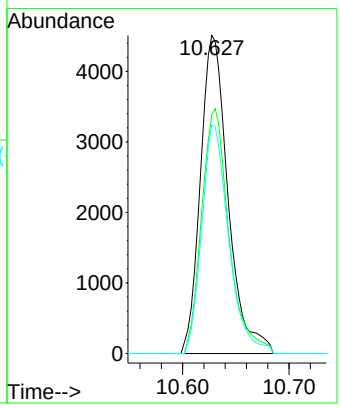





#57
4-Bromofluorobenzene
Concen: 1.004 ug/l
RT: 10.627 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 95 Resp: 8119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.2 | 59.8 | 89.8 |
| 176 | 70.3 | 61.8 | 92.8 |

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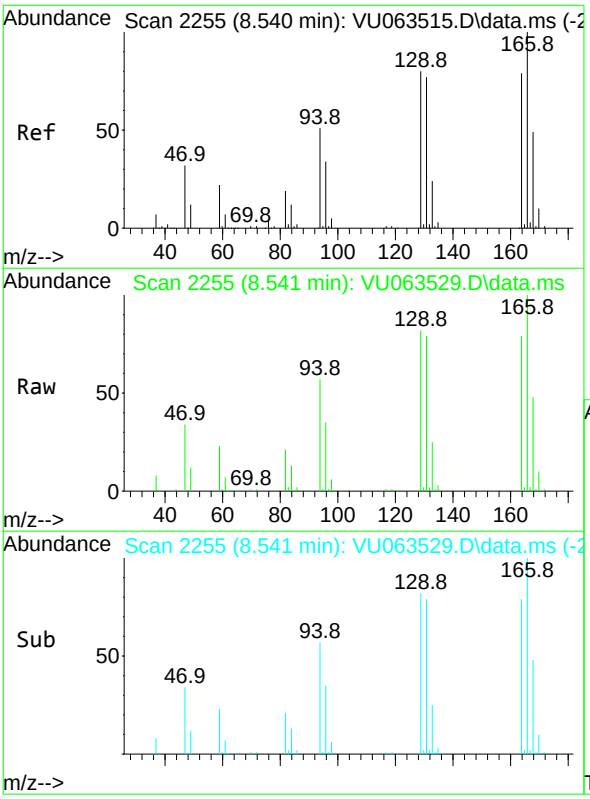
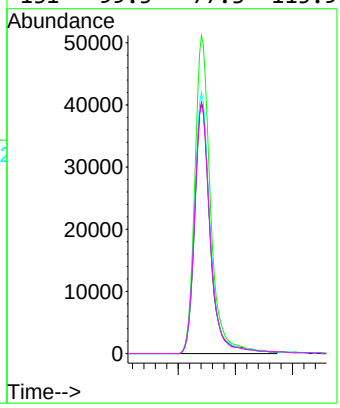
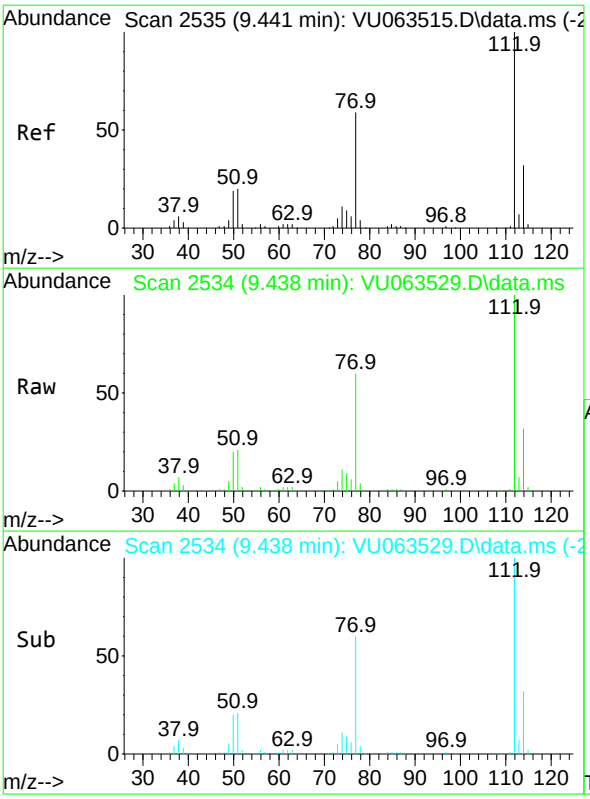



#58
Tetrachloroethene
Concen: 13.124 ug/l
RT: 8.541 min Scan# 2255
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:164 Resp: 77148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.7 | 100.7 | 151.1 |
| 129 | 104.0 | 80.6 | 120.8 |
| 131 | 99.5 | 77.3 | 115.9 |






#59
Chlorobenzene
Concen: 17.797 ug/l
RT: 9.438 min Scan# 25
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:112 Resp: 280950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.4 | 38.2 |

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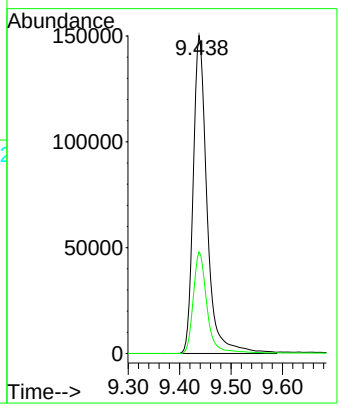
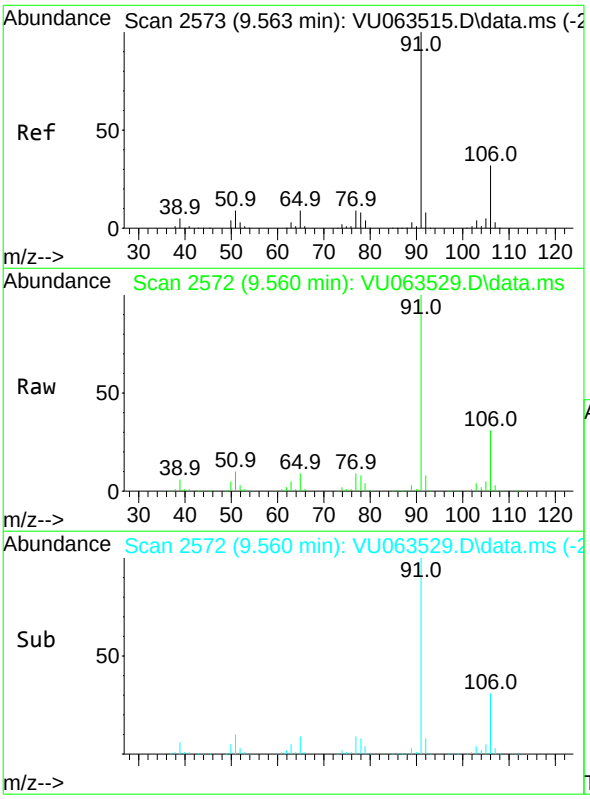
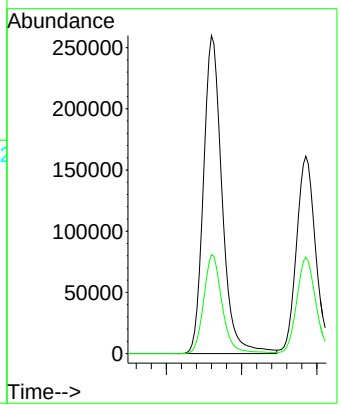


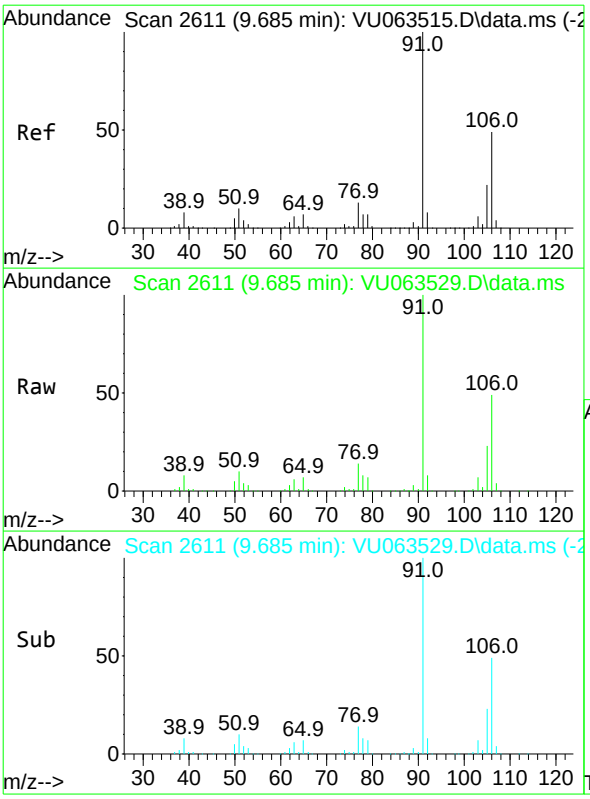




#63
Ethyl Benzene
Concen: 16.418 ug/l
RT: 9.560 min Scan# 2572
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion: 91 Resp: 445992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 25.4 | 38.0 |






#64
m/p-Xylenes
Concen: 13.444 ug/l
RT: 9.685 min Scan# 26
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:106 Resp: 141952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.5 | 163.6 | 245.4 |

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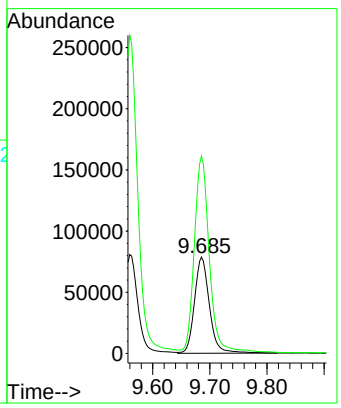
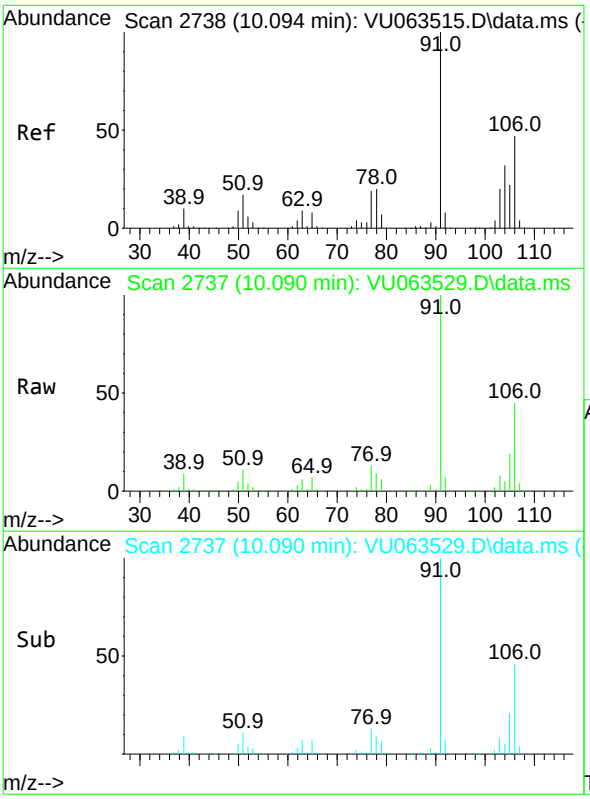
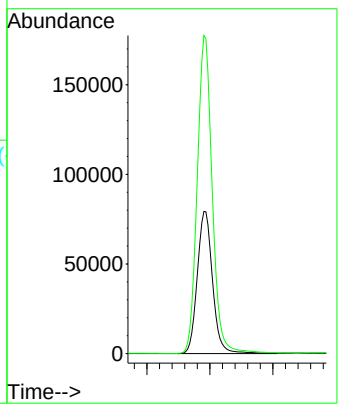


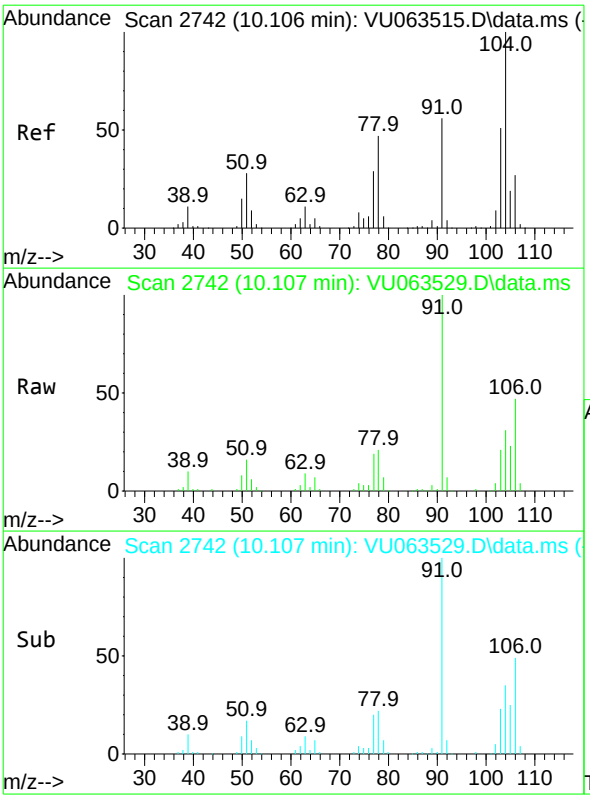




#65
o-Xylene
Concen: 13.175 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. -0.003 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:106 Resp: 133669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.7 | 108.1 | 324.4 |

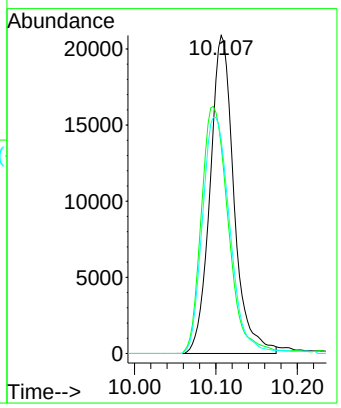





#66
Styrene
Concen: 2.636 ug/l m
RT: 10.107 min Scan# 27
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:104 Resp: 42618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 0.0 | 41.3 | 61.9# |
| 103 | 0.0 | 43.6 | 65.4# |

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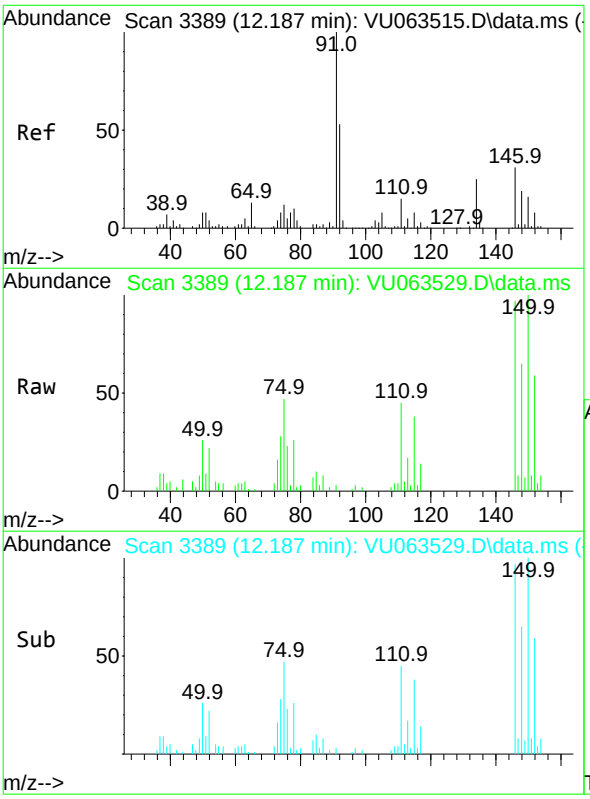
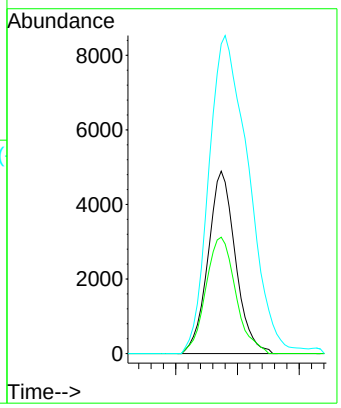
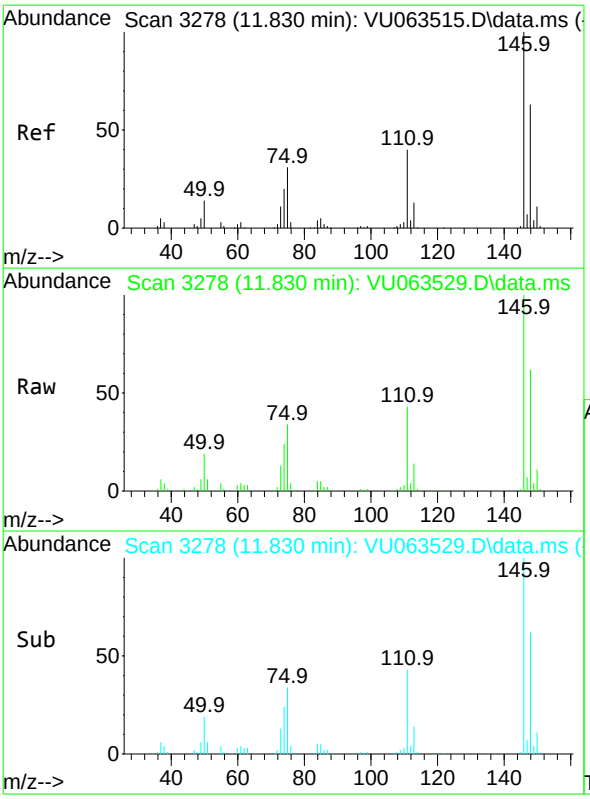



#68
1,2-Dichlorobenzene-d4
Concen: 1.009 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:152 Resp: 7549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 69.5 | 0.0 | 262.2 |
| 150 | 252.4 | 0.0 | 651.2 |

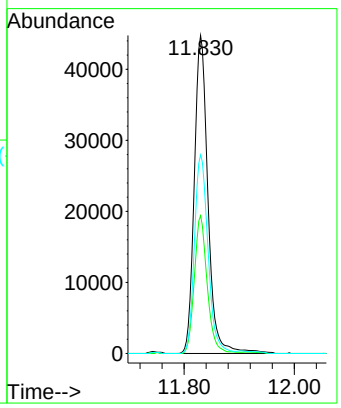





#83
1,4-Dichlorobenzene
Concen: 6.091 ug/l
RT: 11.830 min Scan# 32
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:146 Resp: 77219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 32.0 | 48.0 |
| 148 | 62.3 | 50.2 | 75.2 |

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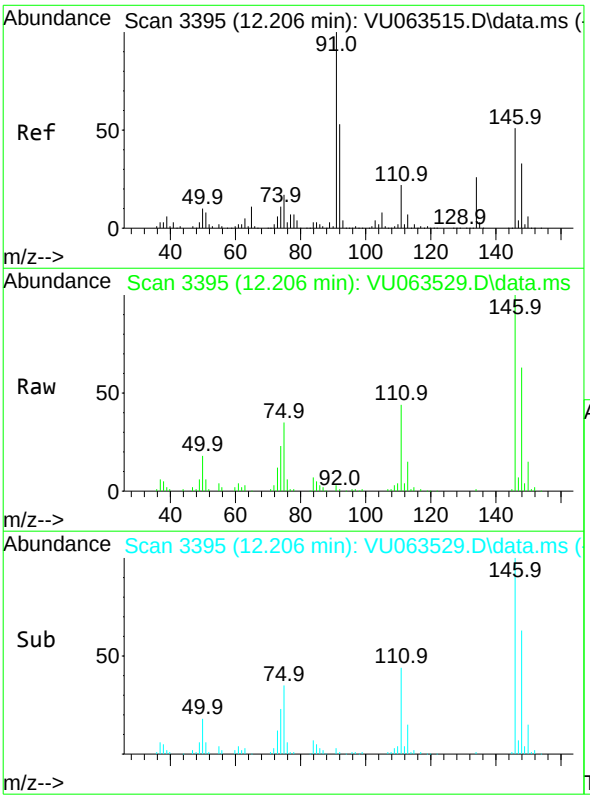
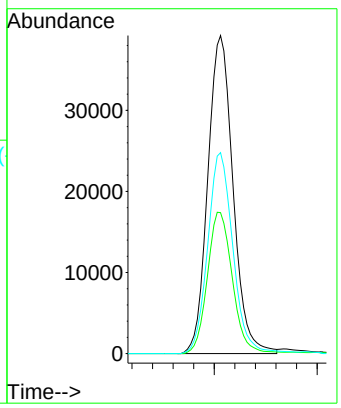
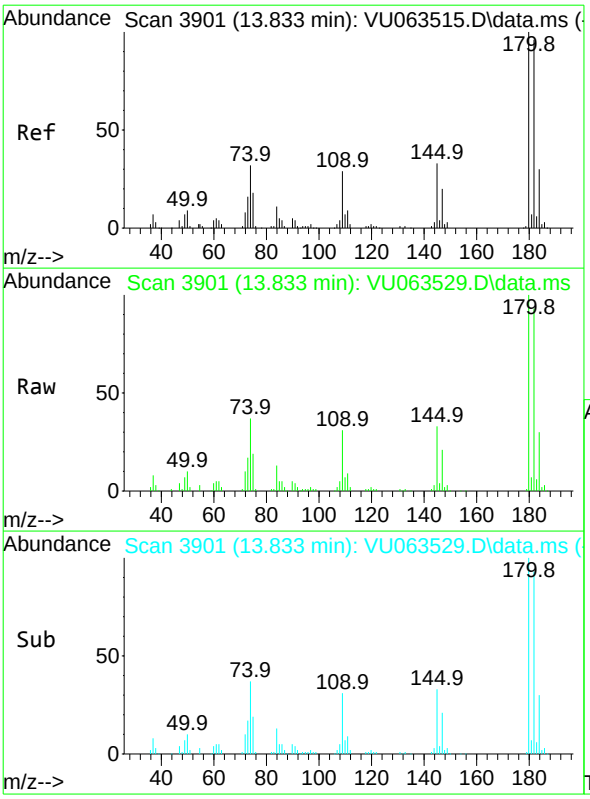



#85
1,2-Dichlorobenzene
Concen: 5.615 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:146 Resp: 66816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.3 | 21.7 | 65.1 |
| 148 | 63.2 | 31.8 | 95.3 |

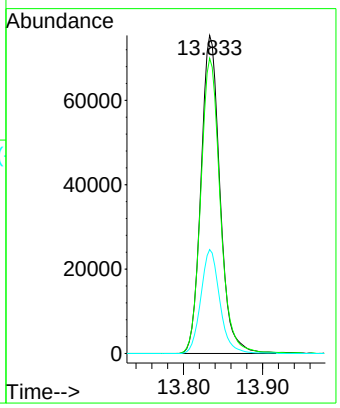





#87
1,2,4-Trichlorobenzene
Concen: 16.930 ug/l
RT: 13.833 min Scan# 39
Delta R.T. 0.000 min
Lab File: VU063529.D
Acq: 17 Jul 2025 17:20

Tgt Ion:180 Resp: 125271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 76.2 | 114.4 |
| 145 | 32.7 | 26.2 | 39.2 |

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