Quantitation Report (Qedit)

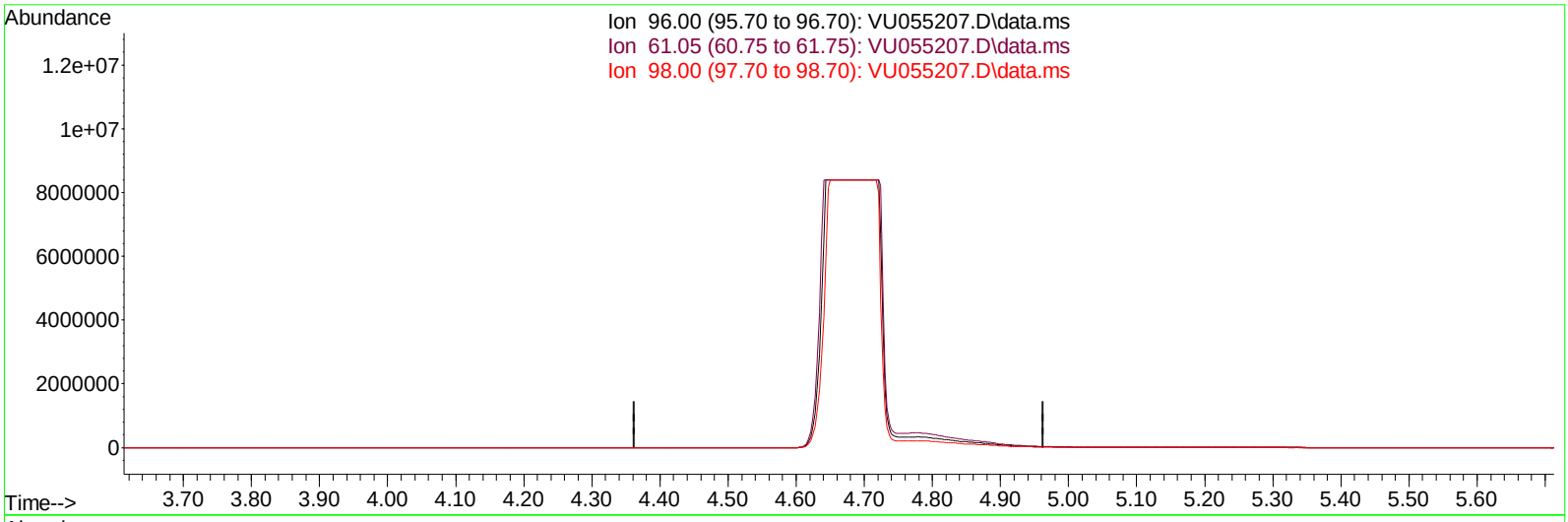
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

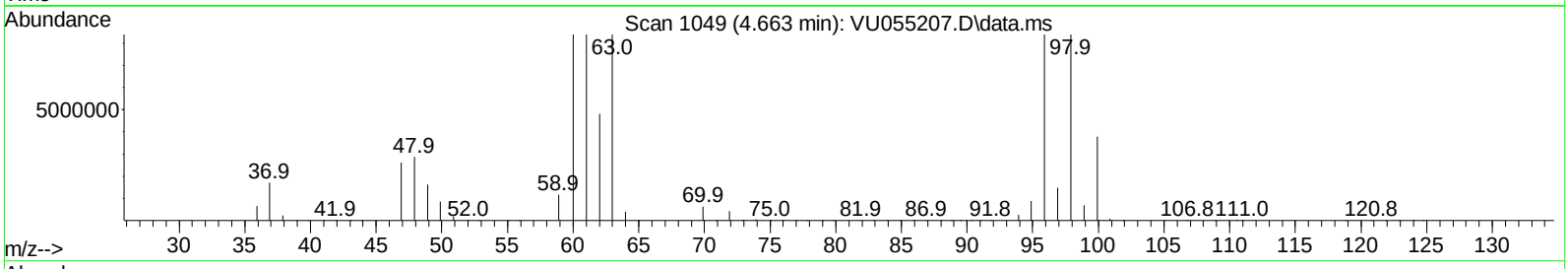
Quant Time: Sep 08 06:37:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

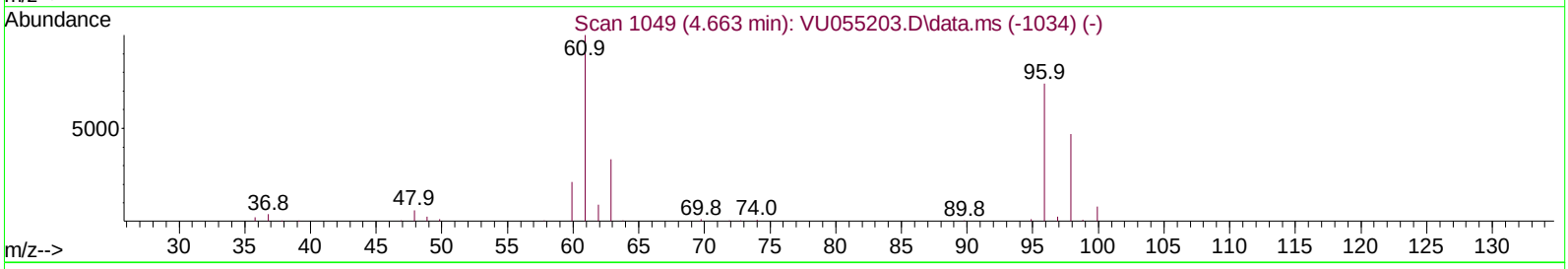
**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023




TIC: VU055207.D\data.ms

**(22) cis-1,2-Dichloroethene (T)**

**4.663min (-4.663) 0.00 ug/L**

**response 0**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 0.00 |
| 61.05 | 138.80 | 0.00# |
| 98.00 | 65.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
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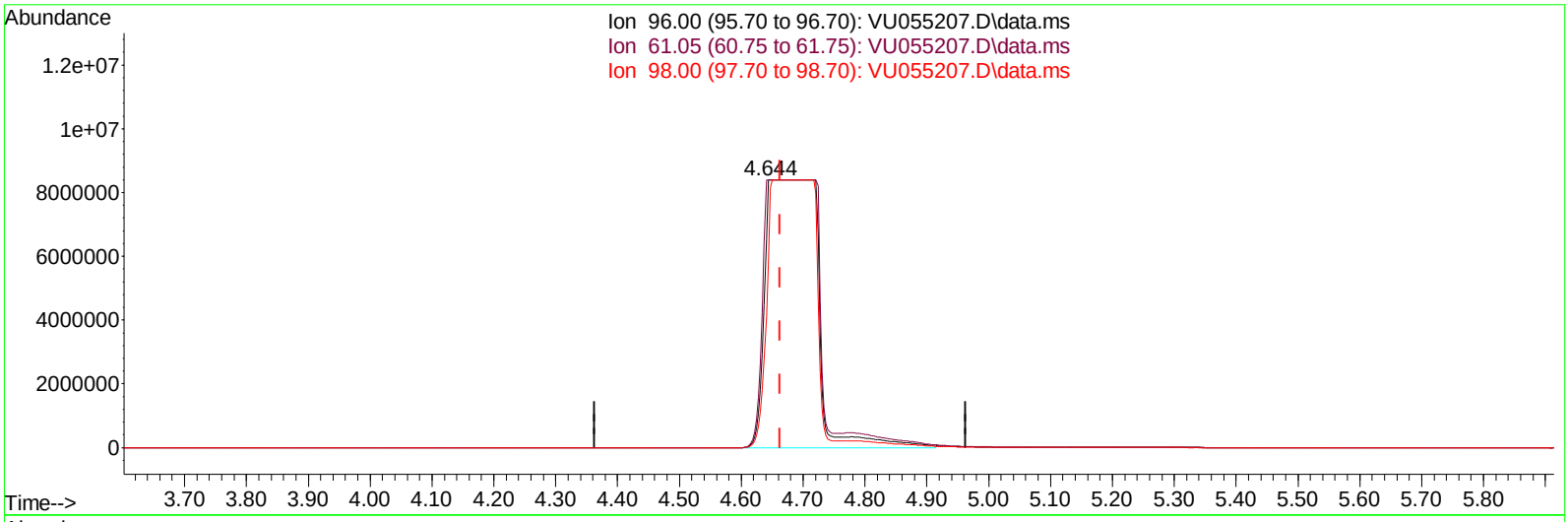


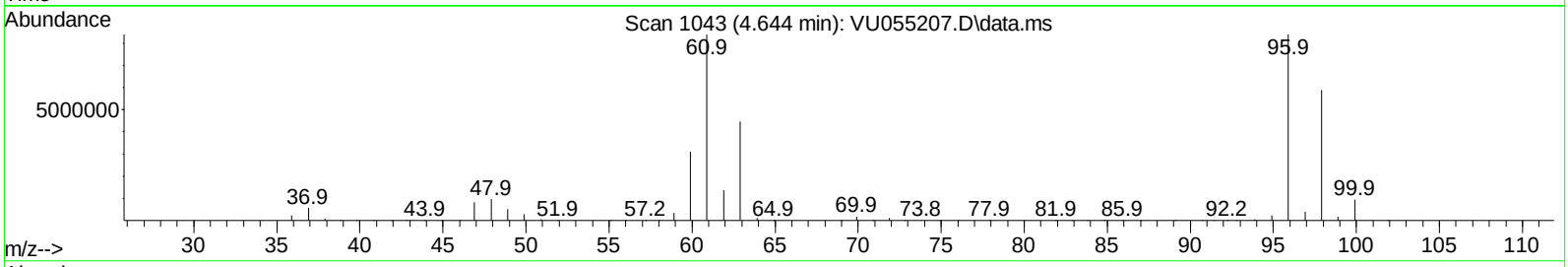


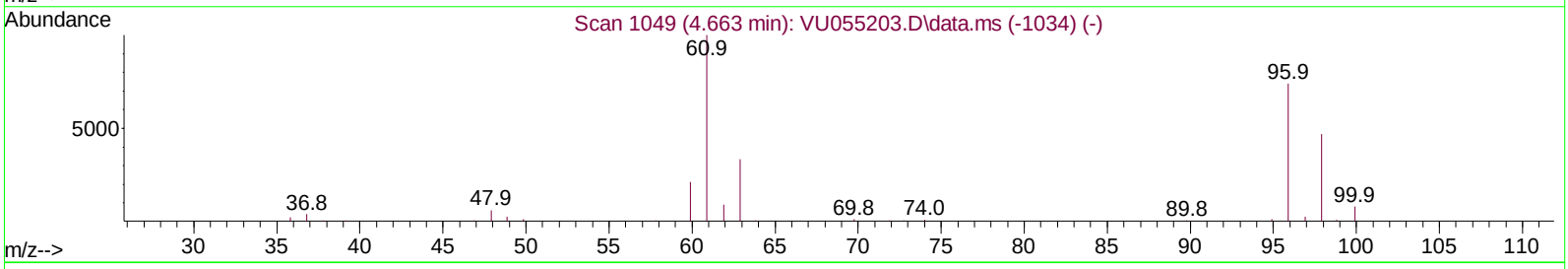


TIC: VU055207.D\data.ms

**(22) cis-1,2-Dichloroethene (T)**

**4.644min (-0.019) 4168.69 ug/L m**

**response 49040838**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 61.05 | 138.80 | 100.00 |
| 98.00 | 65.90 | 70.24 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
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Quant Title : TRACE VOA SFAM1.0
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**Instrument :**
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**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
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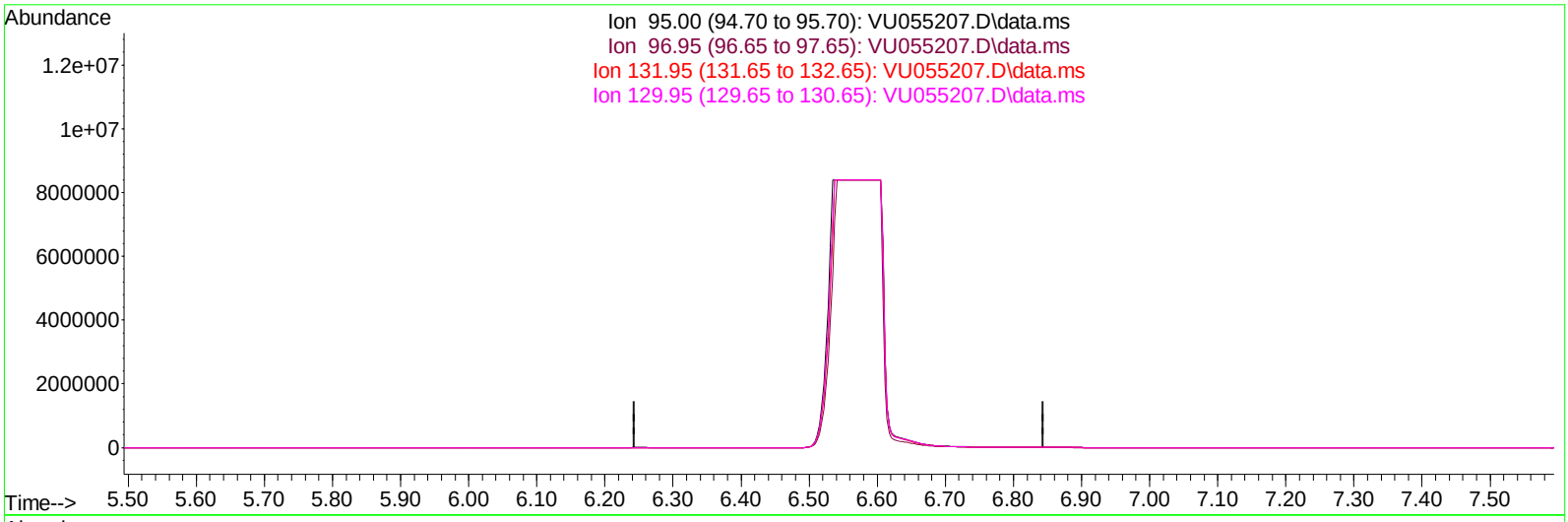


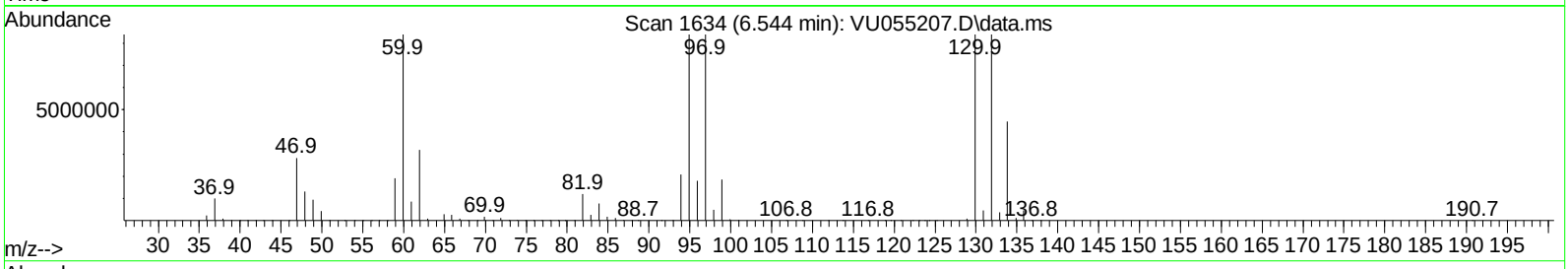


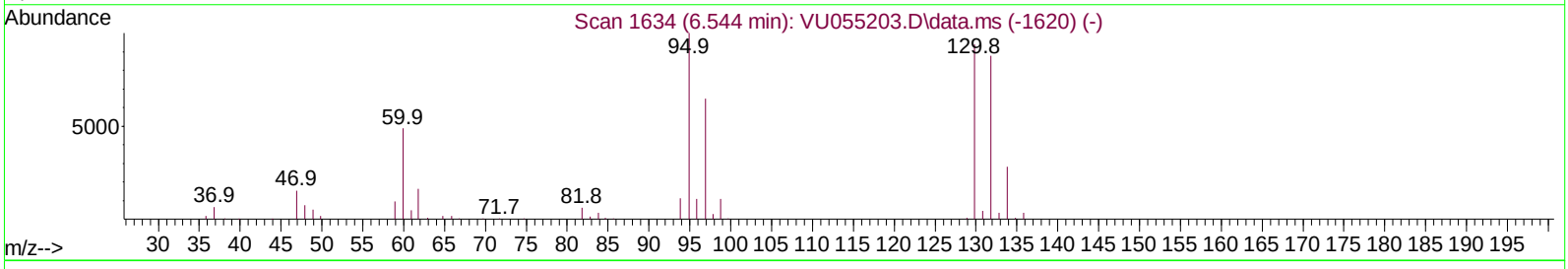


TIC: VU055207.D\data.ms

**(34) Trichloroethene (T)**

**6.544min (-6.544) 0.00 ug/L**

**response 0**

| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100.00 | 0.00 |
| 96.95 | 63.90 | 0.00# |
| 131.95 | 95.10 | 0.00# |
| 129.95 | 95.00 | 0.00# |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 08 06:37:41 2023
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
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**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

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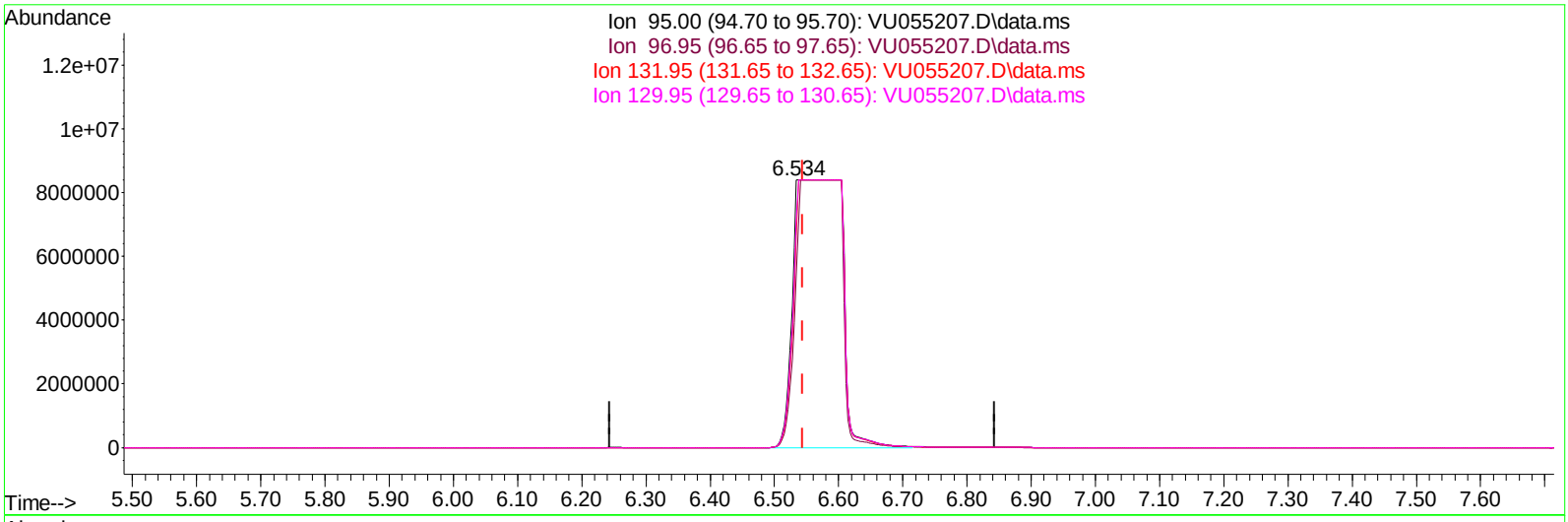


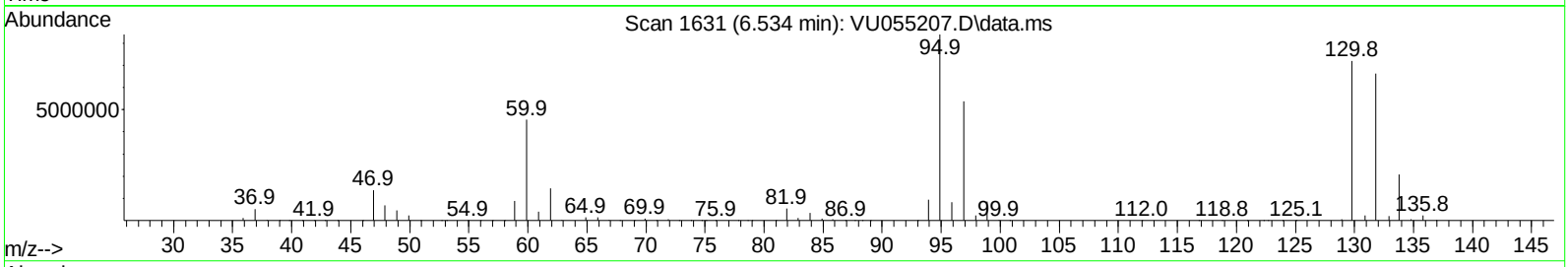


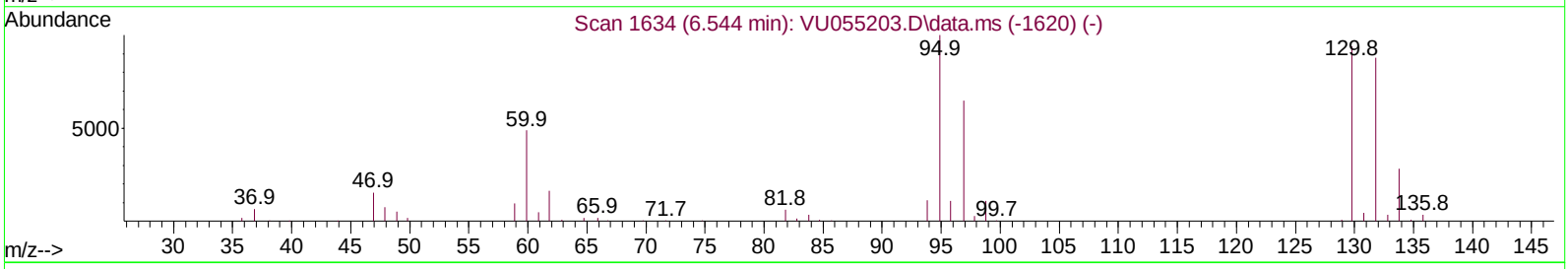


TIC: VU055207.D\data.ms

**(34) Trichloroethene (T)**

**6.534min (-0.010) 3615.99 ug/L m**

**response 43872775**

| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100.00 | 100.00 |
| 96.95 | 63.90 | 64.19 |
| 131.95 | 95.10 | 79.05 |
| 129.95 | 95.00 | 85.72 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 08 06:37:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
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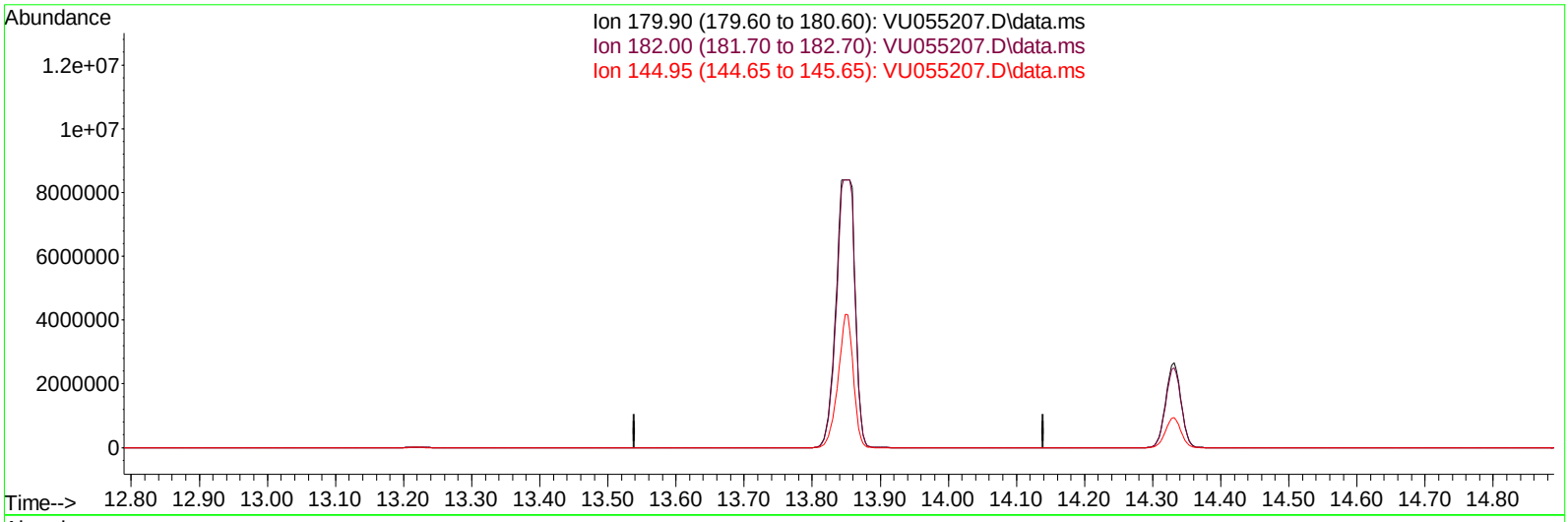
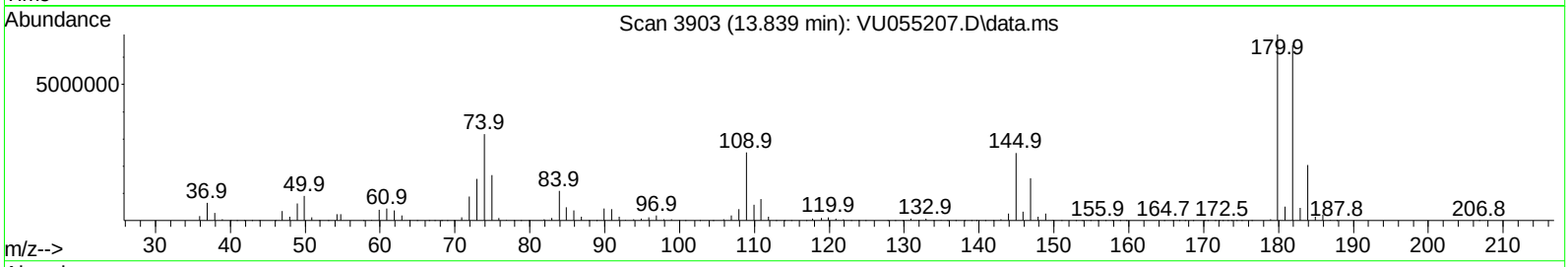
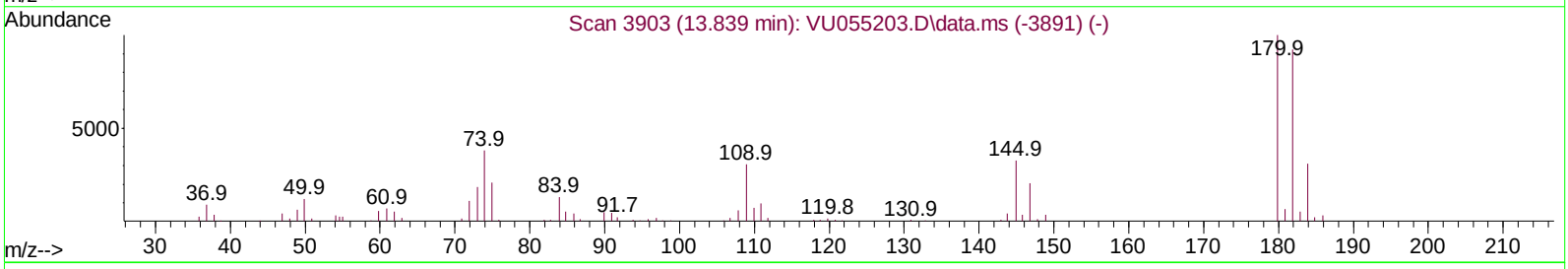
**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023




TIC: VU055207.D\data.ms

**(70) 1,2,4-trichlorobenzene (T)**

**13.839min (-13.839) 0.00 ug/L**

**response 0**

| Ion | Exp% | Act% |
|---|---|---|
| 179.90 | 100.00 | 0.00 |
| 182.00 | 92.00 | 0.00# |
| 144.95 | 32.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 08 06:37:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
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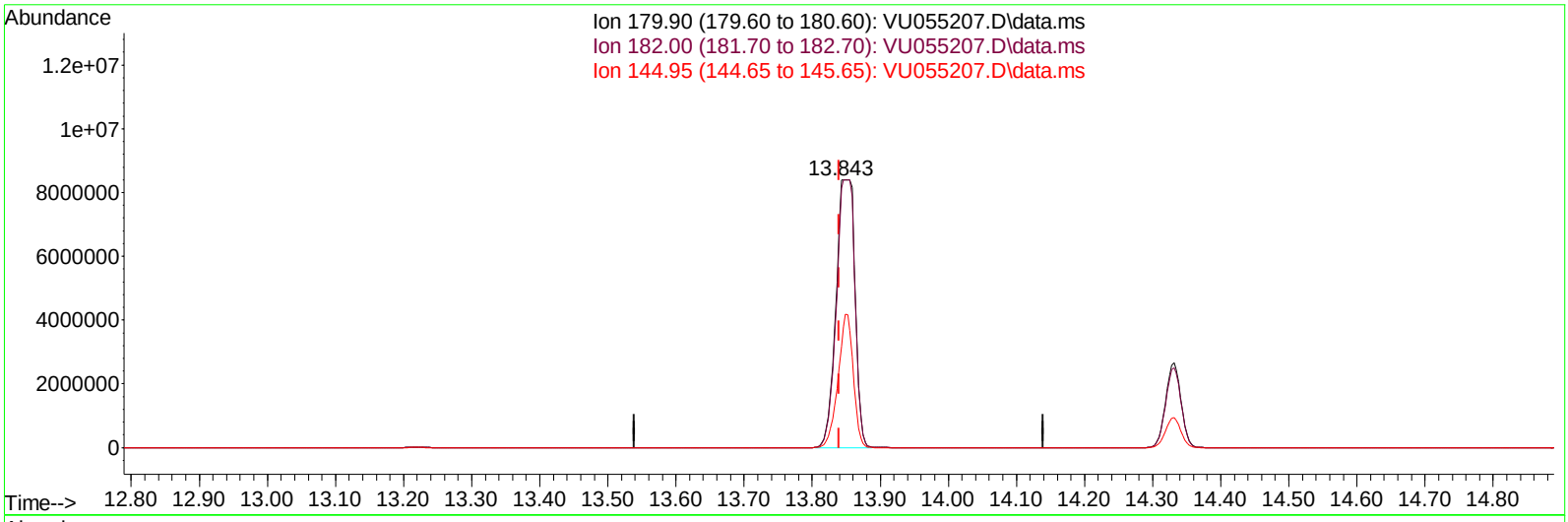
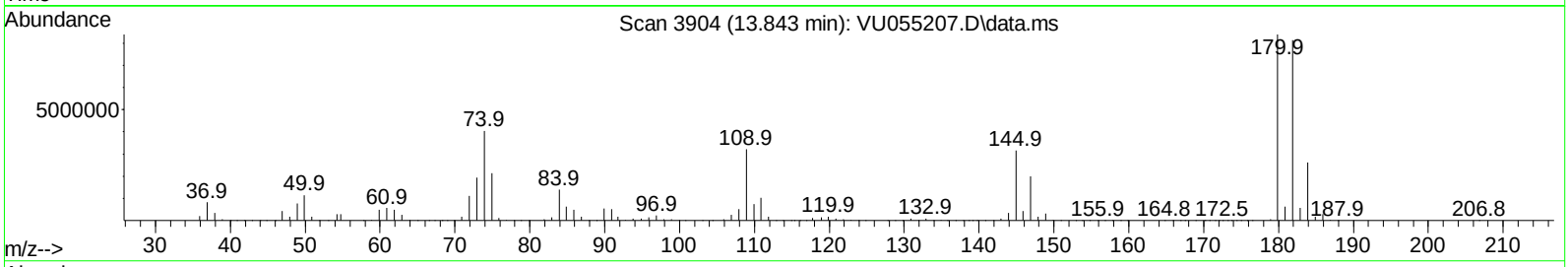
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

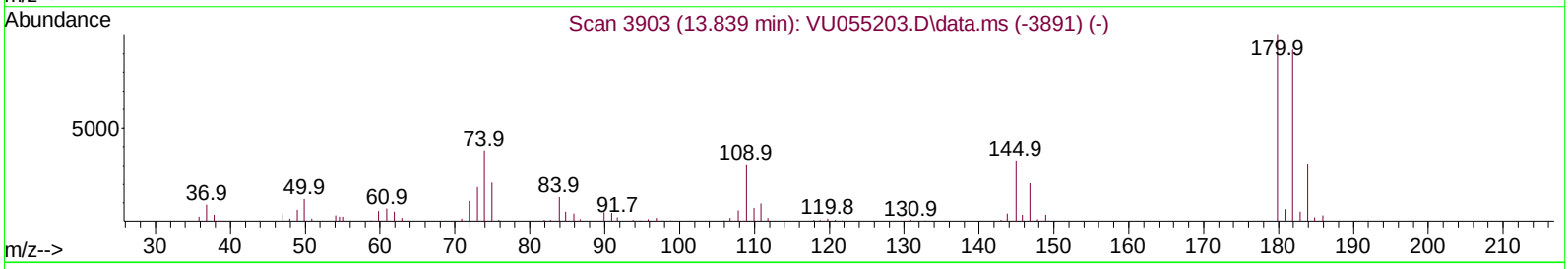
**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023




TIC: VU055207.D\data.ms

**(70) 1,2,4-trichlorobenzene (T)**

**13.843min (+ 0.003) 922.69 ug/L m**

**response 16386788**

| Ion | Exp% | Act% |
|---|---|---|
| 179.90 | 100.00 | 100.00 |
| 182.00 | 92.00 | 0.00# |
| 144.95 | 32.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
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Quant Time: Sep 08 06:37:41 2023
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Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.251 | 114 | 204887 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.418 | 117 | 205125 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.811 | 152 | 111958 | 5.000 | ug/L | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 42241 | 4.399 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = | 88.000% | | |
| 7) Chloroethane-d5 | 1.907 | 69 | 39187 | 3.525 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = | 70.600% | | |
| 11) 1,1-Dichloroethene-d2 | 2.563 | 65 | 19211 | 3.511 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = | 70.200% | | |
| 20) 2-Butanone-d5 | 0.000 | 46 | 0d | 0.000 | ug/L | |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = | 0.000%# | | |
| 24) Chloroform-d | 5.065 | 84 | 111875 | 4.390 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = | 87.800% | | |
| 26) 1,2-Dichloroethane-d4 | 5.701 | 65 | 59367 | 4.657 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = | 93.200% | | |
| 32) Benzene-d6 | 5.730 | 84 | 212999 | 4.207 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = | 84.200% | | |
| 36) 1,2-Dichloropropane-d6 | 6.701 | 67 | 72550 | 4.505 | ug/L | 0.01 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = | 90.000% | | |
| 41) Toluene-d8 | 7.898 | 98 | 191985 | 4.116 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = | 82.400% | | |
| 43) trans-1,3-Dichloroprop... | 8.180 | 79 | 20866 | 4.705 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = | 94.000% | | |
| 46) 2-Hexanone-d5 | 8.634 | 63 | 93391 | 51.869 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = | 103.740% | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84 | 58865 | 5.197 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = | 104.000% | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.193 | 152 | 72432 | 4.432 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = | 88.600% | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.515 | 50 | 3439 | 0.284 | ug/L | 93 |
| 5) Vinyl chloride | 1.599 | 62 | 1716960 | 134.275 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 2.576 | 96 | 252118 | 26.616 | ug/L # | 76 |
| 16) Methylene chloride | 3.042 | 84 | 7176 | 0.496 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 3.364 | 73 | 7833 | 0.315 | ug/L # | 82 |
| 18) trans-1,2-Dichloroethene | 3.348 | 96 | 1020946 | 106.234 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.644 | 96 | 49040838m | 4168.694 | ug/L | |
| 25) Chloroform | 5.087 | 83 | 9928 | 0.459 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.798 | 62 | 17667 | 1.338 | ug/L # | 88 |
| 30) Cyclohexane | 5.390 | 56 | 27210 | 1.725 | ug/L | 99 |
| 33) Benzene | 5.775 | 78 | 97745 | 2.239 | ug/L | 100 |
| 34) Trichloroethene | 6.534 | 95 | 43872775m | 3615.987 | ug/L | |
| 35) Methylcyclohexane | 6.769 | 83 | 84133 | 4.942 | ug/L # | 69 |
| 42) Toluene | 7.971 | 91 | 25851 | 0.555 | ug/L | 86 |
| 45) 1,1,2-Trichloroethane | 8.399 | 97 | 173835 | 21.715 | ug/L | 98 |
| 47) Tetrachloroethene | 8.553 | 164 | 93376 | 11.135 | ug/L | 95 |
| 51) Chlorobenzene | 9.444 | 112 | 1000553 | 32.460 | ug/L | 98 |
| 53) m,p-Xylene | 9.695 | 106 | 3905 | 0.203 | ug/L | 90 |

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**Instrument :**
MSVOA_U
**ClientSampleId :**
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**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 54) | o-Xylene | 10.100 | 106 | 8030 | 0.424 | ug/L | | 88 |
| 60) | Isopropylbenzene | 10.483 | 105 | 39462 | 0.756 | ug/L | # | 84 |
| 63) | 1,2,4-Trimethylbenzene | 11.470 | 105 | 6783 | 0.158 | ug/L | | 92 |
| 64) | 1,3-Dichlorobenzene | 11.743 | 146 | 2198284 | 87.711 | ug/L | | 99 |
| 65) | 1,4-Dichlorobenzene | 11.836 | 146 | 3598492 | 144.062 | ug/L | | 97 |
| 67) | 1,2-Dichlorobenzene | 12.209 | 146 | 1894178 | 80.611 | ug/L | | 99 |
| 70) | 1,2,4-trichlorobenzene | 13.843 | 180 | 16386788m | 922.690 | ug/L | | |
| 72) | 1,2,3-Trichlorobenzene | 14.331 | 180 | 4159726 | 269.849 | ug/L | | 99 |

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

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Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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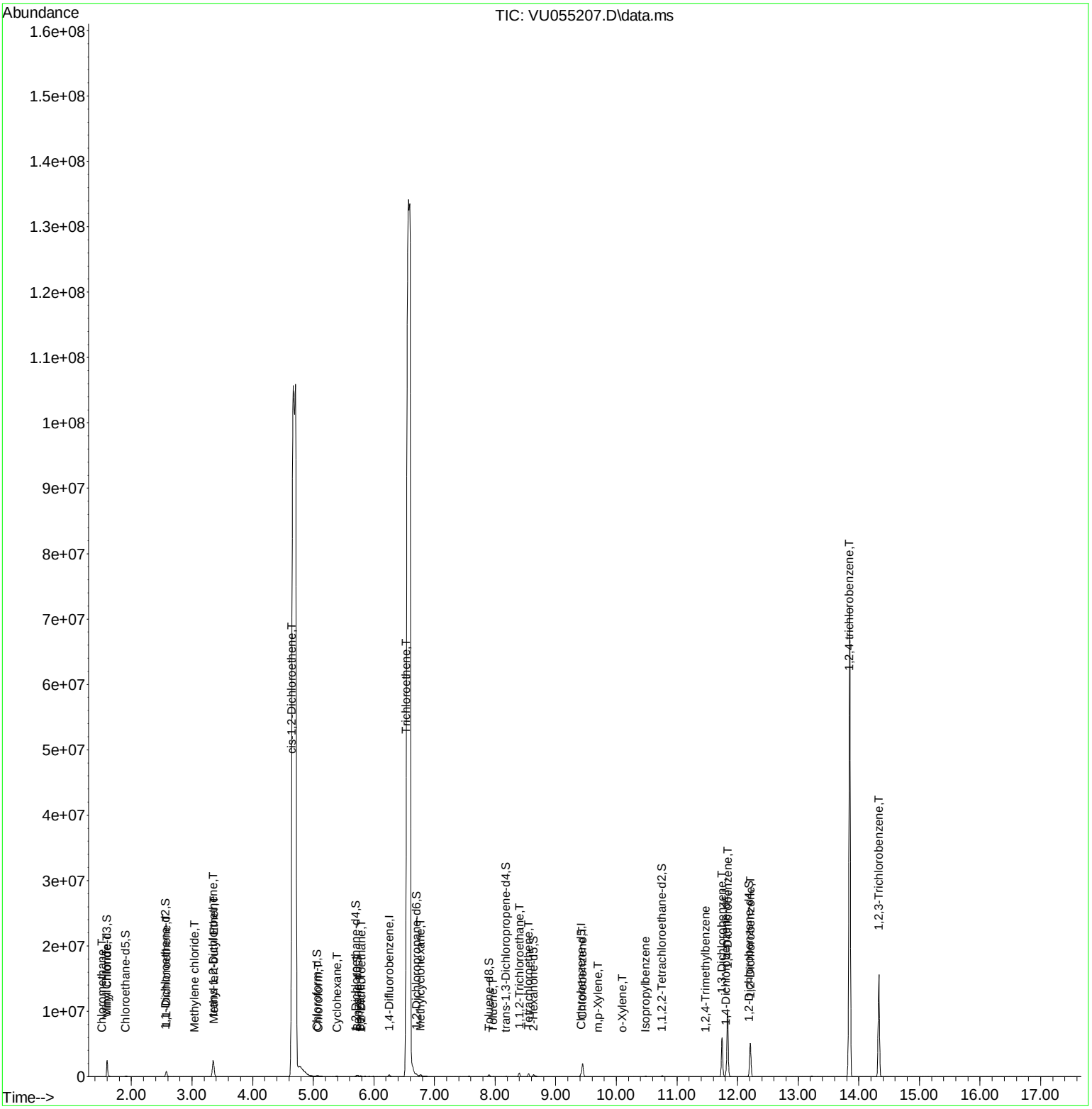

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.251 | 114 | 204887 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.418 | 117 | 205125 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.811 | 152 | 111958 | 5.000 | ug/L | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 42241 | 4.399 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 88.000% | | | |
| 7) Chloroethane-d5 | 1.907 | 69 | 39187 | 3.525 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 70.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.563 | 65 | 19211 | 3.511 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 70.200% | | | |
| 20) 2-Butanone-d5 | 0.000 | 46 | 0d | 0.000 | ug/L | |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 0.000%# | | | |
| 24) Chloroform-d | 5.065 | 84 | 111875 | 4.390 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.701 | 65 | 59367 | 4.657 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.200% | | | |
| 32) Benzene-d6 | 5.730 | 84 | 212999 | 4.207 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.701 | 67 | 72550 | 4.505 | ug/L | 0.01 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.000% | | | |
| 41) Toluene-d8 | 7.898 | 98 | 191985 | 4.116 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 82.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.180 | 79 | 20866 | 4.705 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 94.000% | | | |
| 46) 2-Hexanone-d5 | 8.634 | 63 | 93391 | 51.869 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 103.740% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84 | 58865 | 5.197 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 104.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.193 | 152 | 72432 | 4.432 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.600% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.515 | 50 | 3439 | 0.284 | ug/L | 93 |
| 5) Vinyl chloride | 1.599 | 62 | 1716960 | 134.275 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 2.576 | 96 | 252118 | 26.616 | ug/L # | 76 |
| 16) Methylene chloride | 3.042 | 84 | 7176 | 0.496 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 3.364 | 73 | 7833 | 0.315 | ug/L # | 82 |
| 18) trans-1,2-Dichloroethene | 3.348 | 96 | 1020946 | 106.234 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.644 | 96 | 49040838m | 4168.694 | ug/L | |
| 25) Chloroform | 5.087 | 83 | 9928 | 0.459 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.798 | 62 | 17667 | 1.338 | ug/L # | 88 |
| 30) Cyclohexane | 5.390 | 56 | 27210 | 1.725 | ug/L | 99 |
| 33) Benzene | 5.775 | 78 | 97745 | 2.239 | ug/L | 100 |
| 34) Trichloroethene | 6.534 | 95 | 43872775m | 3615.987 | ug/L | |
| 35) Methylcyclohexane | 6.769 | 83 | 84133 | 4.942 | ug/L # | 69 |
| 42) Toluene | 7.971 | 91 | 25851 | 0.555 | ug/L | 86 |
| 45) 1,1,2-Trichloroethane | 8.399 | 97 | 173835 | 21.715 | ug/L | 98 |
| 47) Tetrachloroethene | 8.553 | 164 | 93376 | 11.135 | ug/L | 95 |
| 51) Chlorobenzene | 9.444 | 112 | 1000553 | 32.460 | ug/L | 98 |
| 53) m,p-Xylene | 9.695 | 106 | 3905 | 0.203 | ug/L | 90 |
| 54) o-Xylene | 10.100 | 106 | 8030 | 0.424 | ug/L | 88 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 08 06:37:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 60) Isopropylbenzene | 10.483 | 105 | 39462 | 0.756 | ug/L | # | 84 |
| 63) 1,2,4-Trimethylbenzene | 11.470 | 105 | 6783 | 0.158 | ug/L | | 92 |
| 64) 1,3-Dichlorobenzene | 11.743 | 146 | 2198284 | 87.711 | ug/L | | 99 |
| 65) 1,4-Dichlorobenzene | 11.836 | 146 | 3598492 | 144.062 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 12.209 | 146 | 1894178 | 80.611 | ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 13.843 | 180 | 16386788m | 922.690 | ug/L | | |
| 72) 1,2,3-Trichlorobenzene | 14.331 | 180 | 4159726 | 269.849 | ug/L | | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
Data File : VU055207.D
Acq On : 08 Sep 2023 00:08
Operator : MD/SY
Sample : 04306-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 08 06:37:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 08 06:18:43 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
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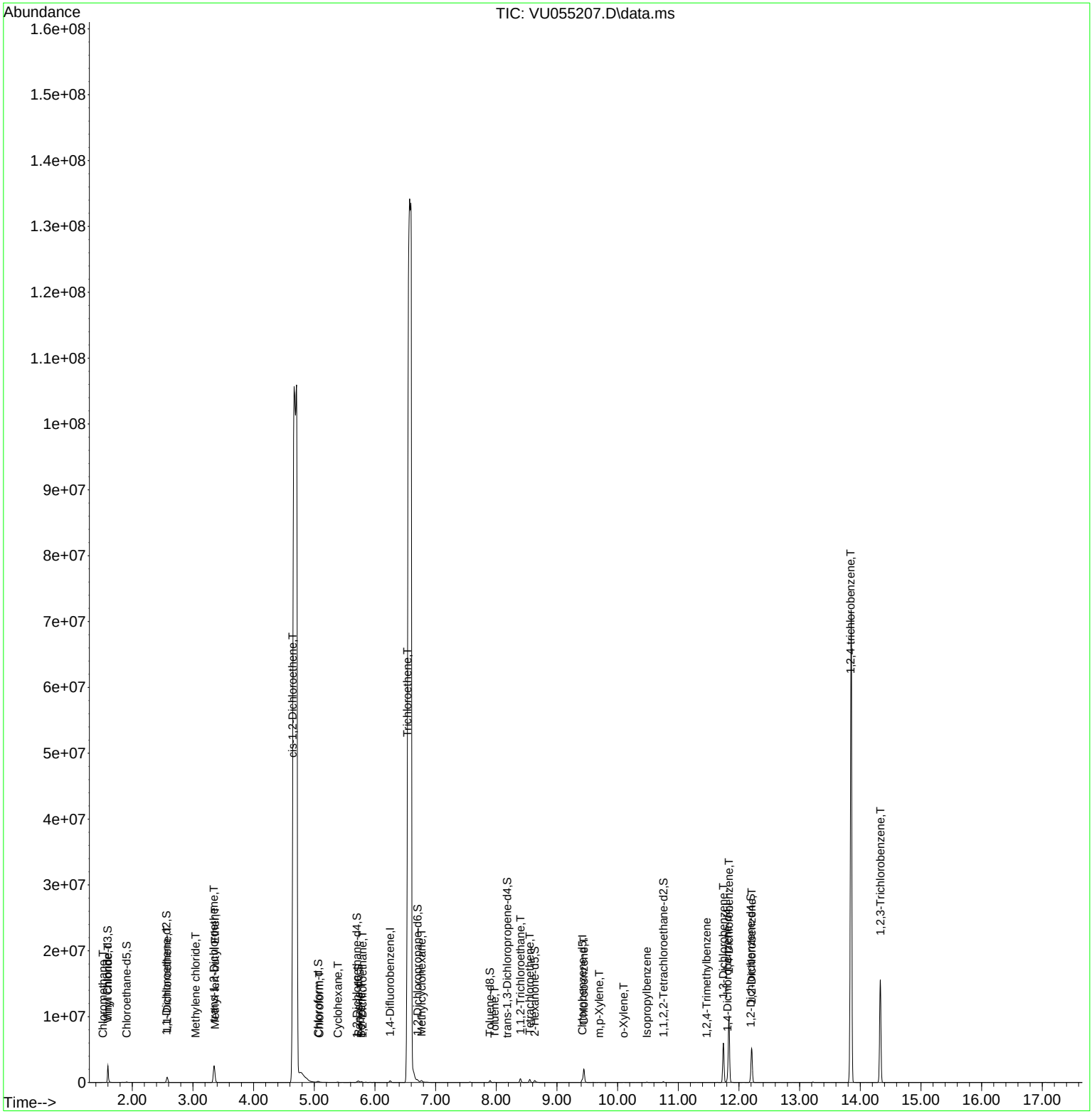
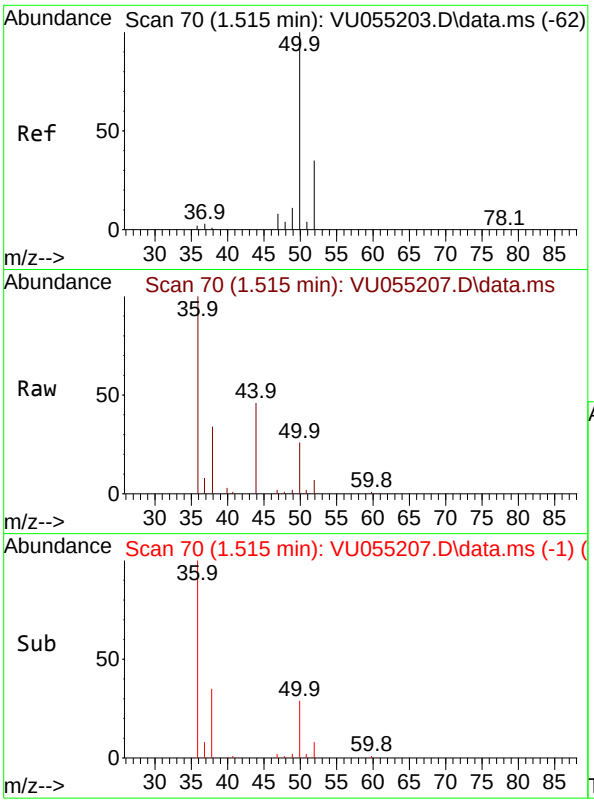
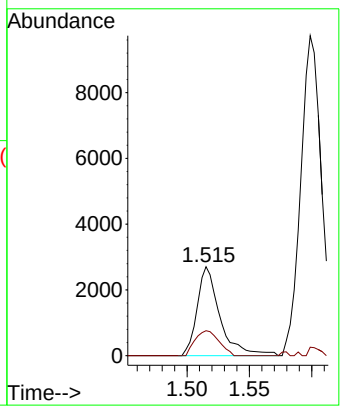





#3
Chloromethane
Concen: 0.284 ug/L
RT: 1.515 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 50 Resp: 343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.0 | 22.5 | 41.7 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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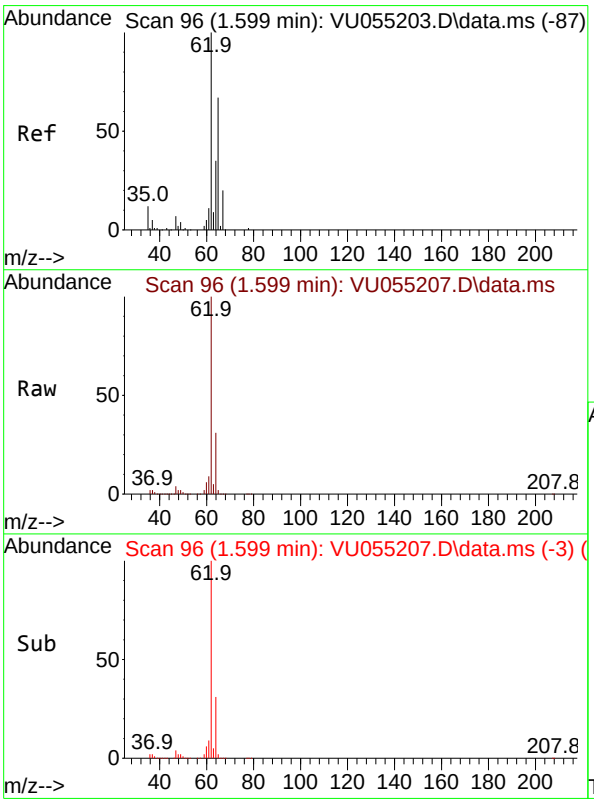
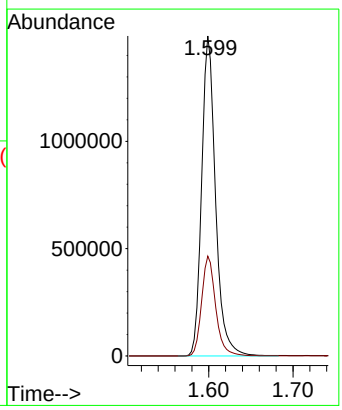
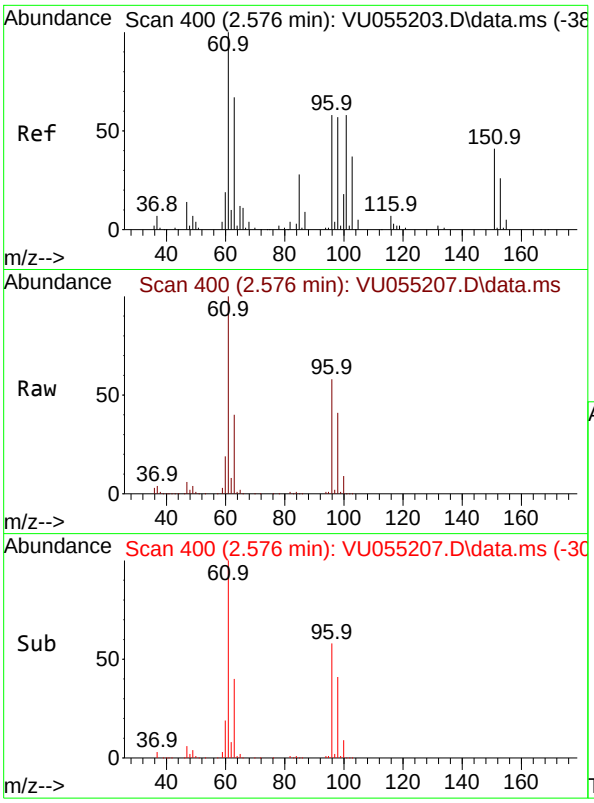



#5
Vinyl chloride
Concen: 134.275 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 62 Resp: 1716960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.2 | 24.2 | 45.0 |

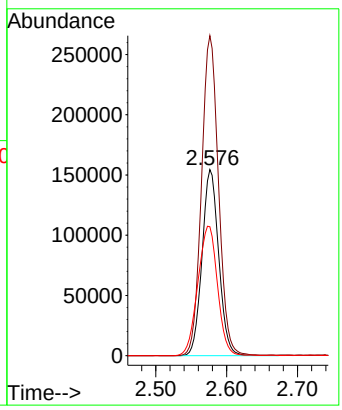





#12
1,1-Dichloroethene
Concen: 26.616 ug/L
RT: 2.576 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 96 Resp: 25211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.0 | 120.8 | 224.4 |
| 63 | 69.3 | 94.5 | 175.5 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
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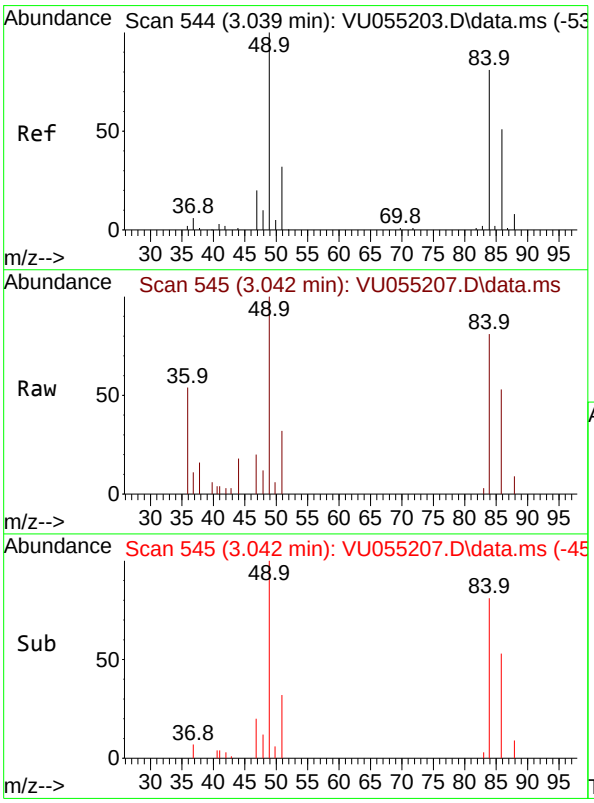
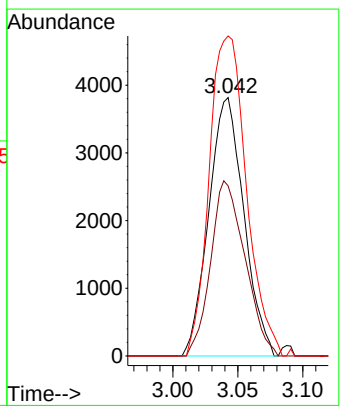
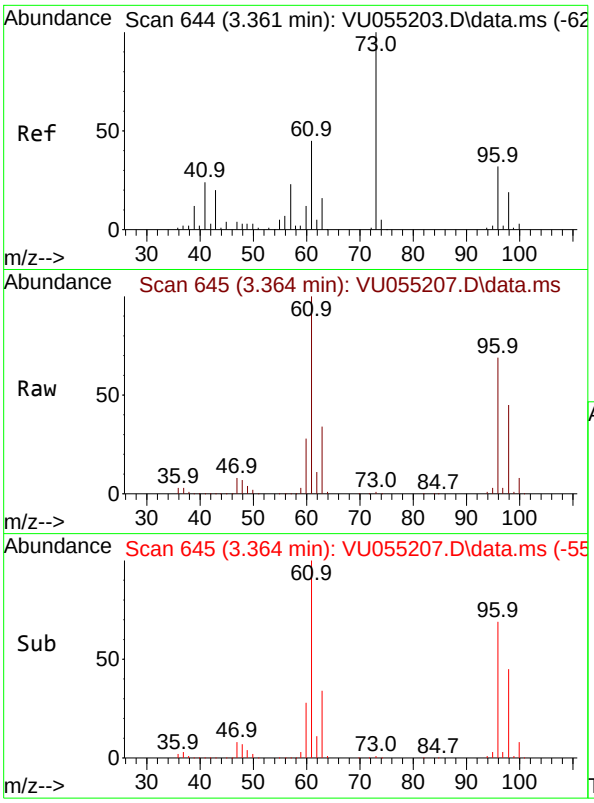



#16
Methylene chloride
Concen: 0.496 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 84 Resp: 7176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.8 | 43.4 | 80.6 |
| 49 | 131.4 | 87.7 | 162.9 |

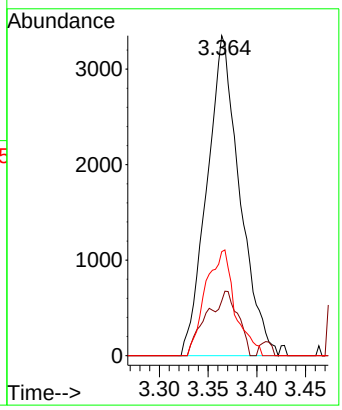





#17
Methyl tert-butyl Ether
Concen: 0.315 ug/L
RT: 3.364 min Scan# 64
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 73 Resp: 783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 11.6 | 16.2 | 24.2# |
| 57 | 29.6 | 17.4 | 26.2# |




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
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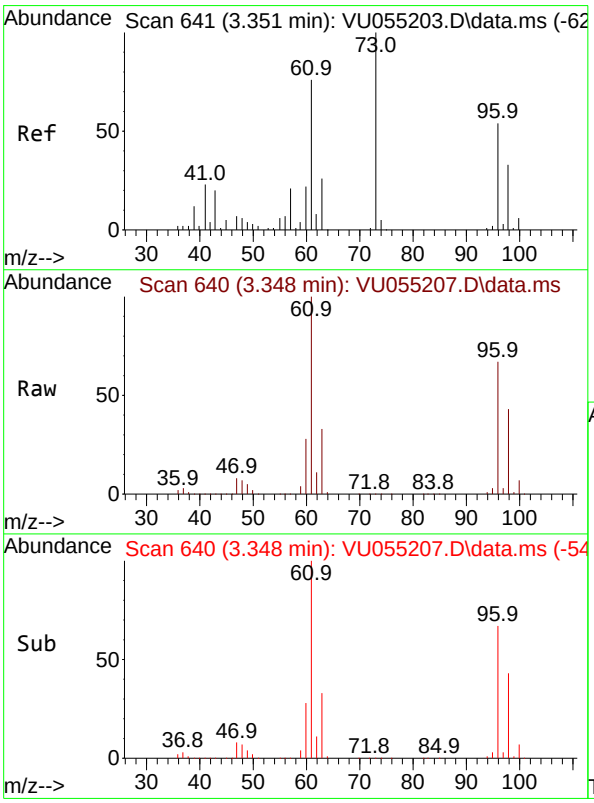
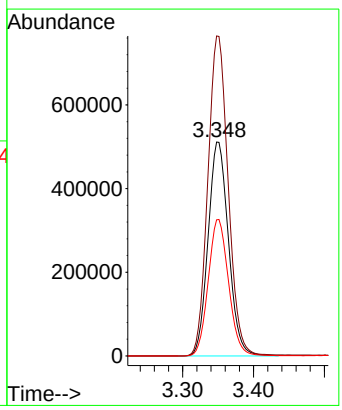
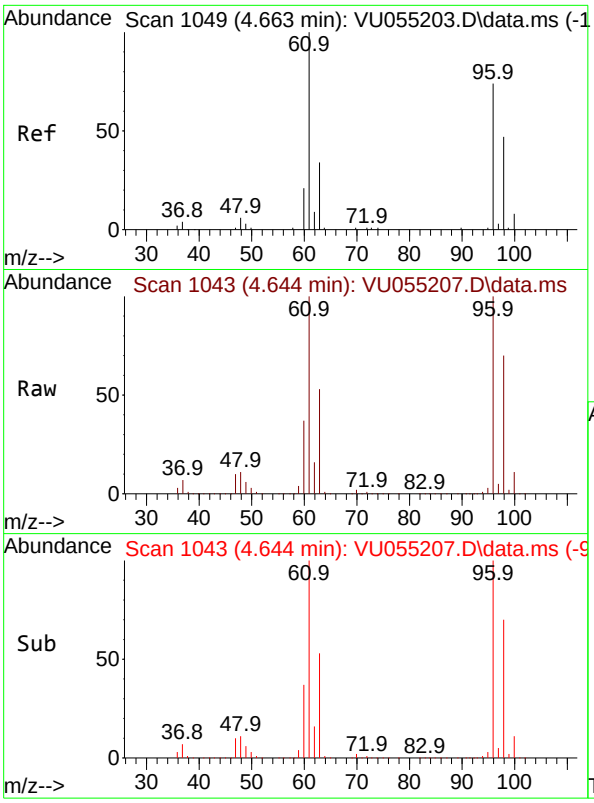



#18
trans-1,2-Dichloroethene
Concen: 106.234 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 96 Resp: 1020946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.6 | 108.1 | 200.9 |
| 98 | 63.7 | 45.4 | 84.4 |

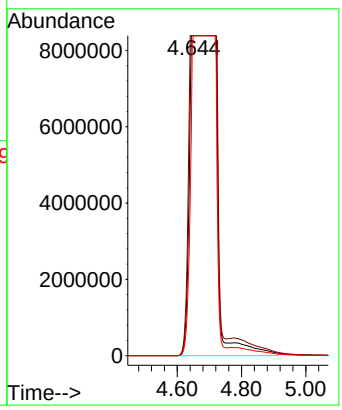





#22
cis-1,2-Dichloroethene
Concen: 4168.694 ug/L m
RT: 4.644 min Scan# 1
Delta R.T. -0.019 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 96 Resp:4904083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 100.0 | 97.2 | 180.4 |
| 98 | 70.2 | 46.1 | 85.7 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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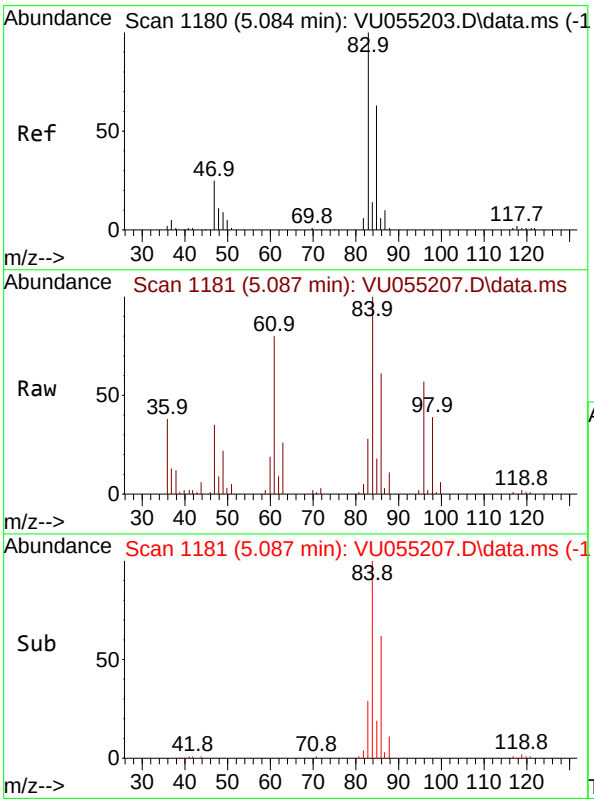
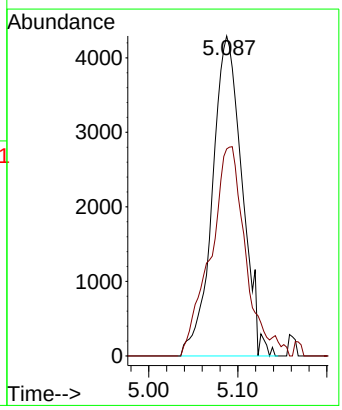
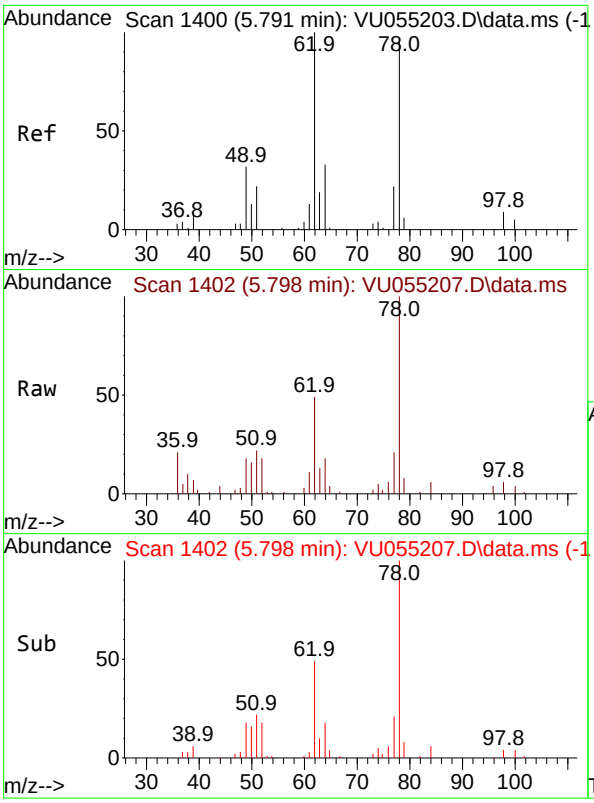



#25
Chloroform
Concen: 0.459 ug/L
RT: 5.087 min Scan# 1181
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 83 Resp: 9928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 47.2 | 87.6 |






#27
1,2-Dichloroethane
Concen: 1.338 ug/L
RT: 5.798 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 62 Resp: 1766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 12.9 | 6.9 | 10.3# |

**Instrument :**
MSVOA_U
**ClientSampleId :**
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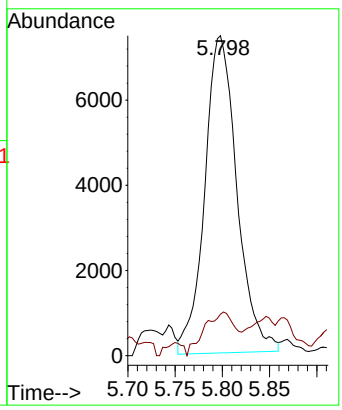
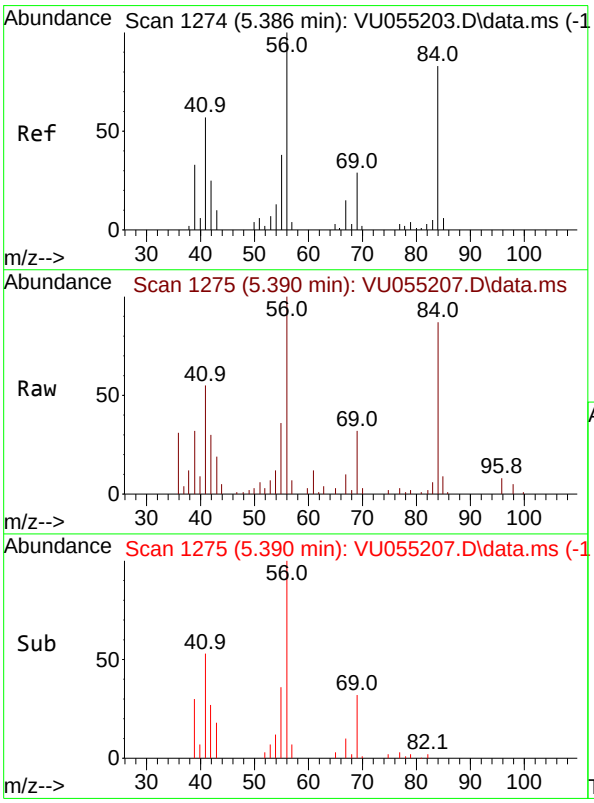
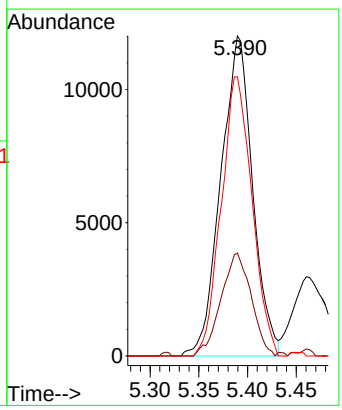


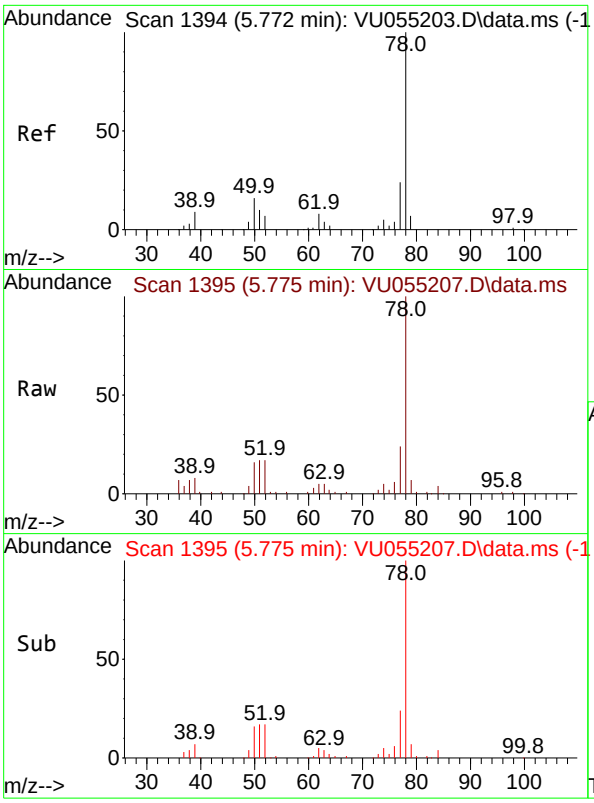




#30
Cyclohexane
Concen: 1.725 ug/L
RT: 5.390 min Scan# 1275
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 56 Resp: 27210

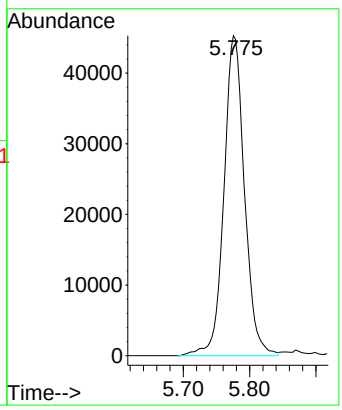
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.6 | 24.6 | 37.0 |
| 84 | 84.4 | 68.8 | 103.2 |






#33
Benzene
Concen: 2.239 ug/L
RT: 5.775 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 78 Resp: 9774




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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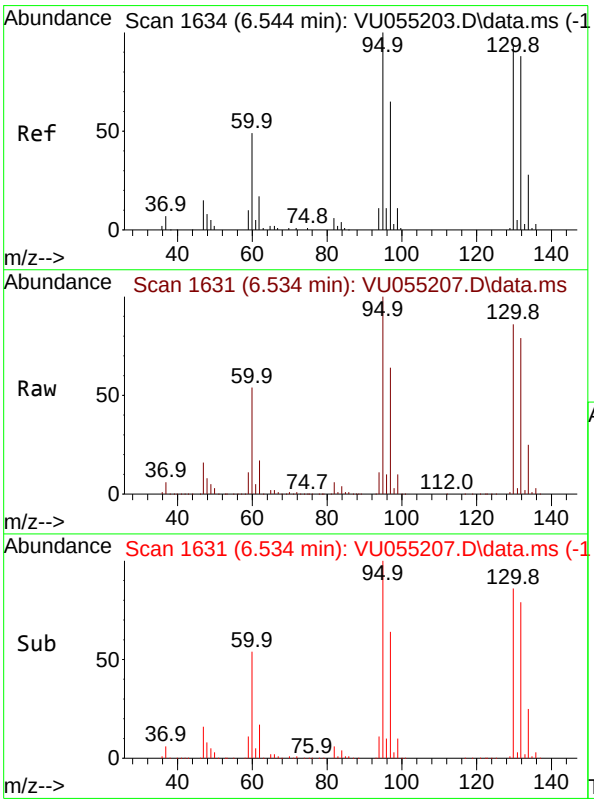
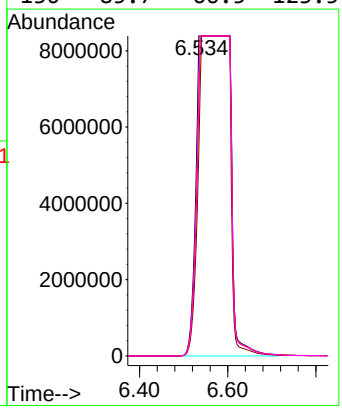
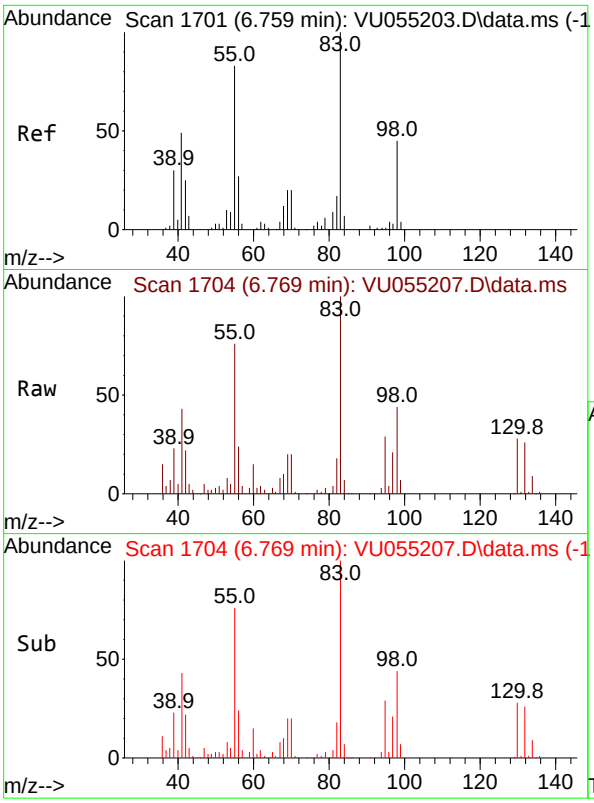



#34
Trichloroethene
Concen: 3615.987 ug/L m
RT: 6.534 min Scan# 1631
Delta R.T. -0.010 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 95 Resp:43872775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.2 | 44.7 | 83.1 |
| 132 | 79.1 | 66.6 | 123.6 |
| 130 | 85.7 | 66.5 | 123.5 |






#35
Methylcyclohexane
Concen: 4.942 ug/L
RT: 6.769 min Scan# 1
Delta R.T. 0.010 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 83 Resp: 8413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.6 | 60.4 | 90.6 |
| 98 | 0.0 | 35.3 | 52.9 |

**Instrument :**
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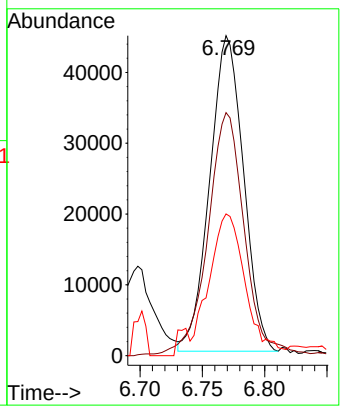
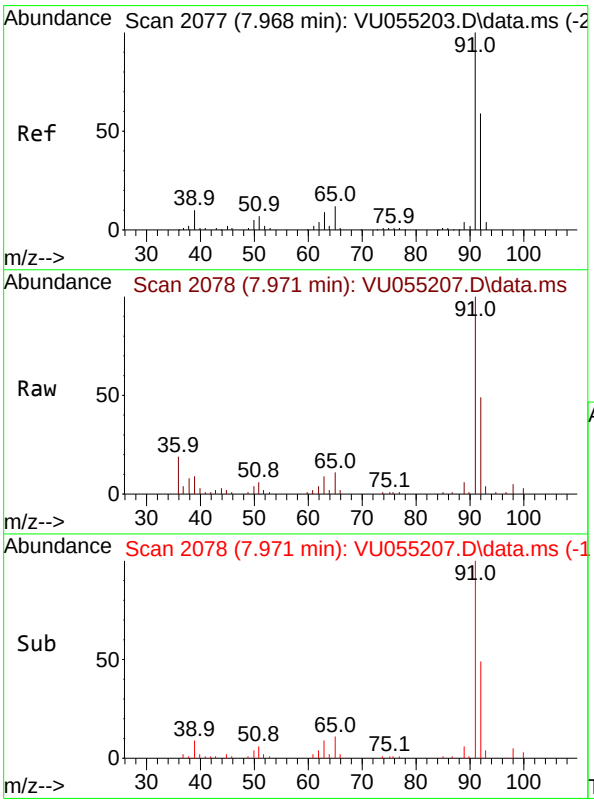
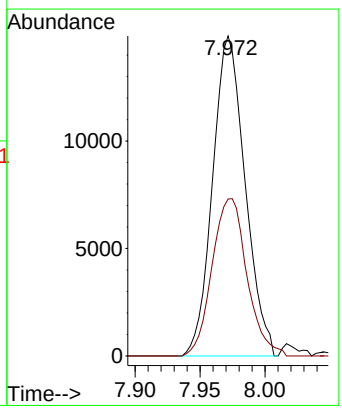


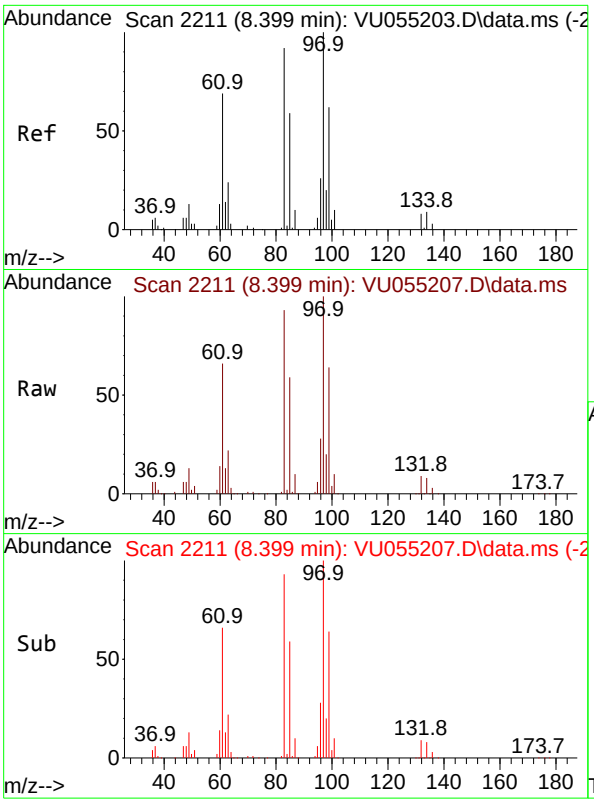




#42
Toluene
Concen: 0.555 ug/L
RT: 7.971 min Scan# 2078
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 91 Resp: 25851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 49.1 | 41.9 | 77.9 |

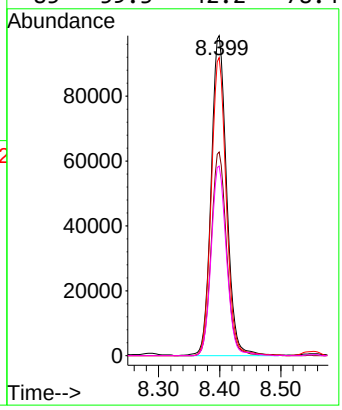





#45
1,1,2-Trichloroethane
Concen: 21.715 ug/L
RT: 8.399 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion: 97 Resp: 17383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.7 | 44.9 | 83.5 |
| 83 | 93.2 | 66.9 | 124.3 |
| 85 | 59.3 | 42.2 | 78.4 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
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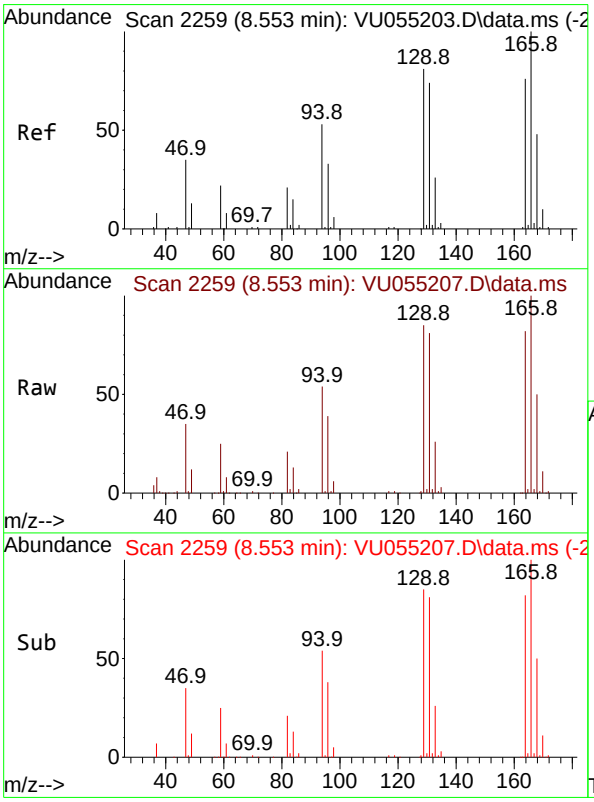
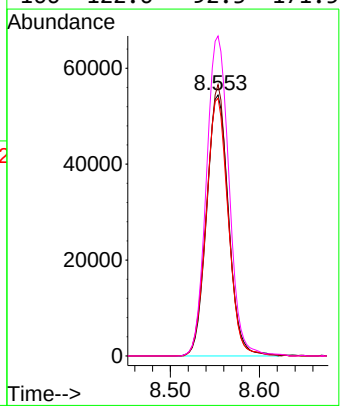
Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023

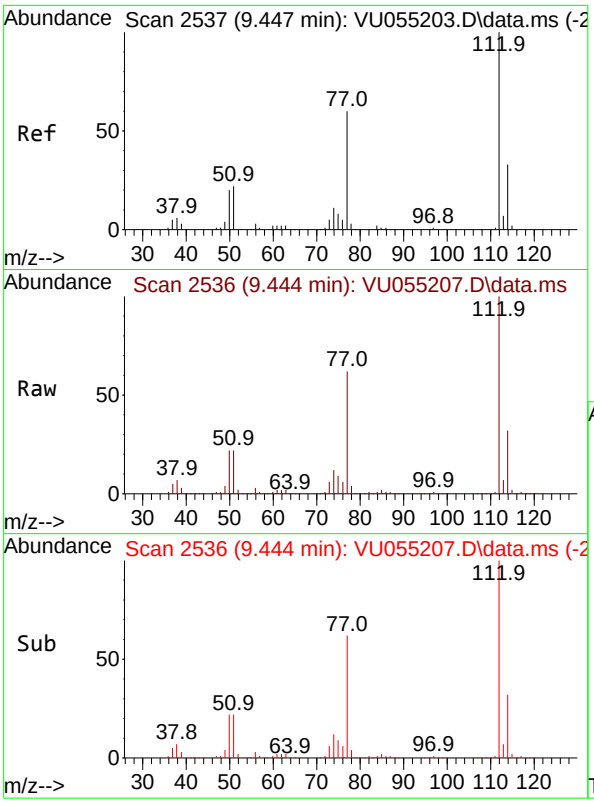



#47
Tetrachloroethene
Concen: 11.135 ug/L
RT: 8.553 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:164 Resp: 93376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 104.0 | 69.2 | 128.6 |
| 131 | 98.7 | 68.8 | 127.8 |
| 166 | 122.6 | 92.3 | 171.5 |






#51
Chlorobenzene
Concen: 32.460 ug/L
RT: 9.444 min Scan# 2
Delta R.T. -0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:112 Resp: 100055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 21.7 | 40.3 |
| 77 | 62.3 | 48.6 | 72.8 |

**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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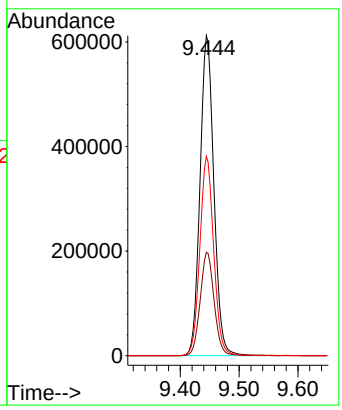
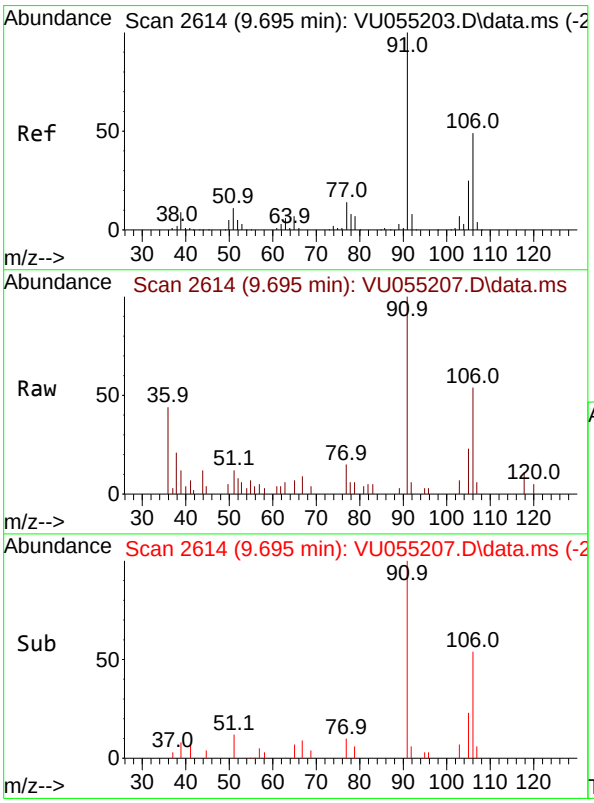
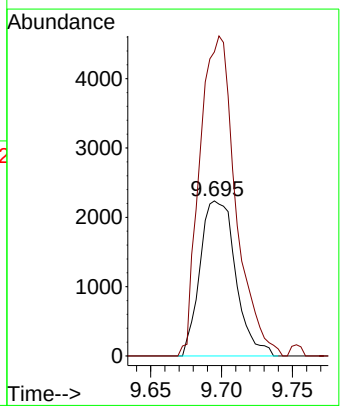


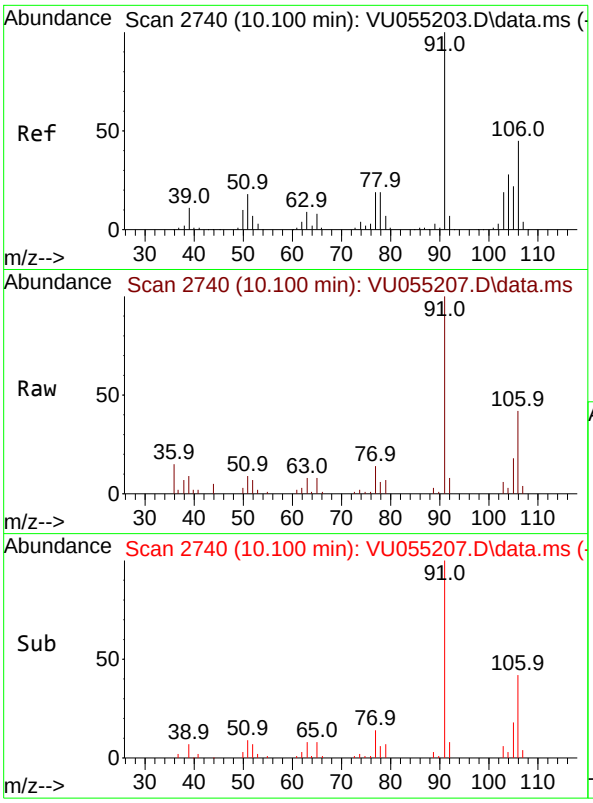




#53
m,p-Xylene
Concen: 0.203 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:106 Resp: 3905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.2 | 148.3 | 275.5 |






#54
o-Xylene
Concen: 0.424 ug/L
RT: 10.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:106 Resp: 803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 237.8 | 152.9 | 284.1 |

**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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Reviewed By :John Carlone 09/08/2023
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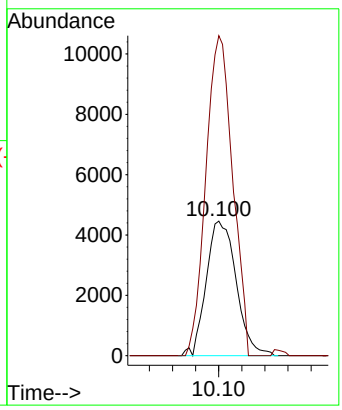
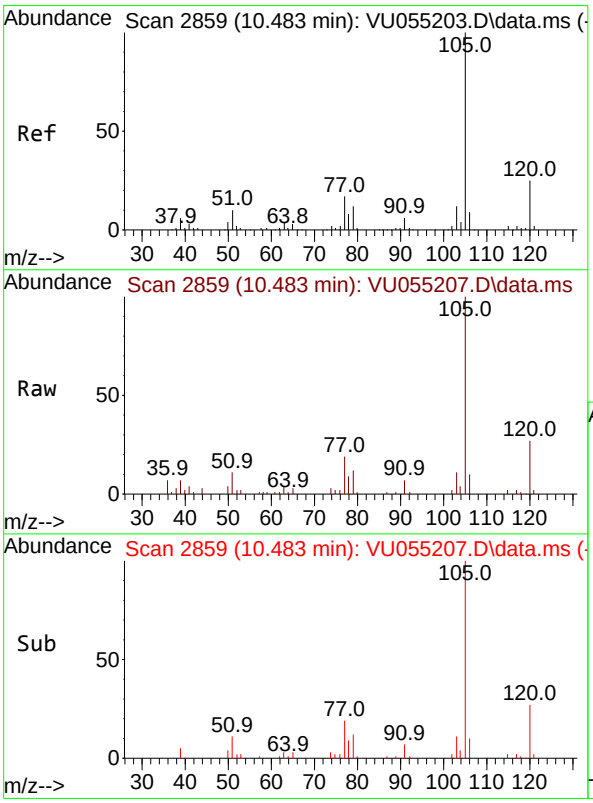
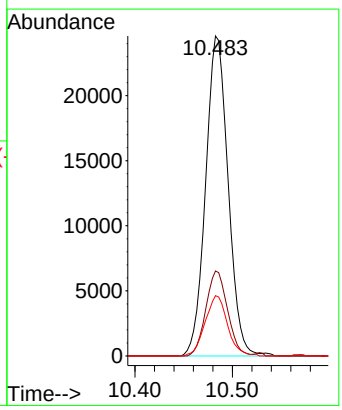


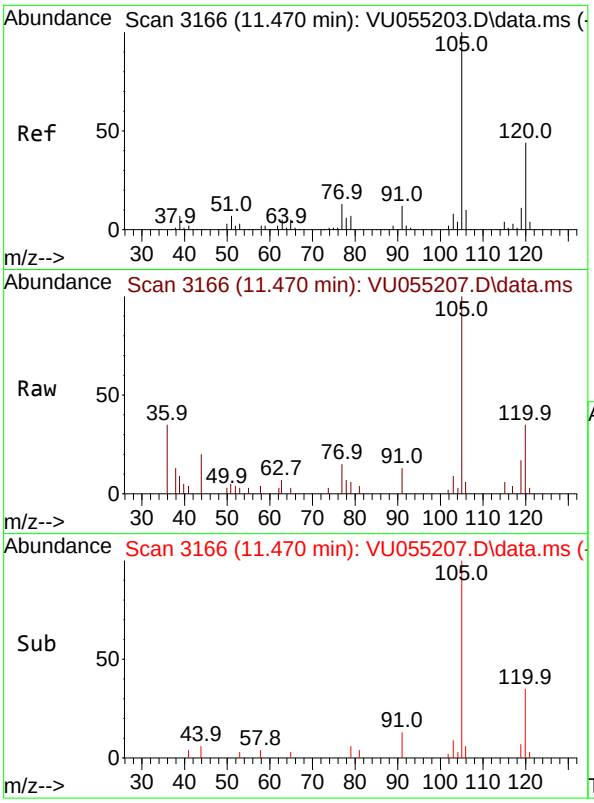




#60
Isopropylbenzene
Concen: 0.756 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:105 Resp: 39462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 20.1 | 30.1 |
| 77 | 0.0 | 13.4 | 20.0# |

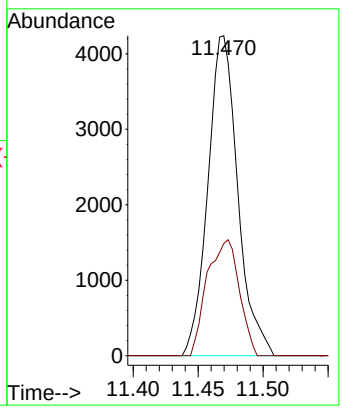





#63
1,2,4-Trimethylbenzene
Concen: 0.158 ug/L
RT: 11.470 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:105 Resp: 678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 38.8 | 35.4 | 53.0 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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Reviewed By :John Carlone 09/08/2023
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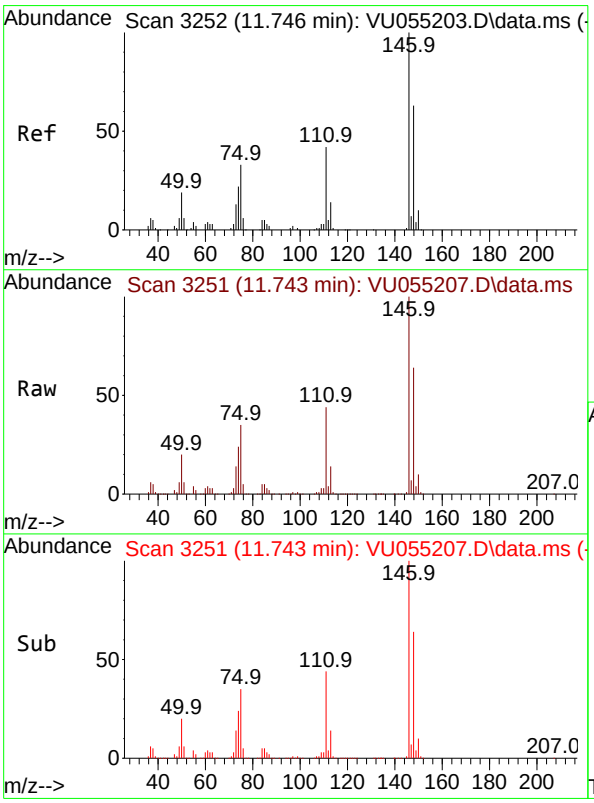
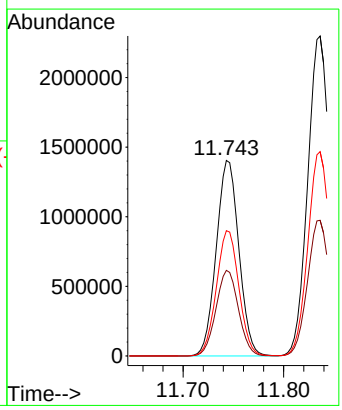
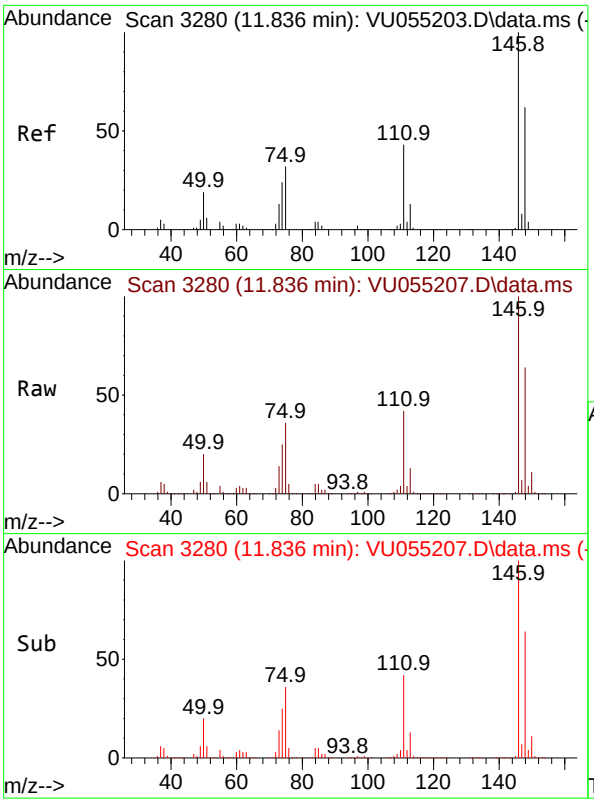



#64
1,3-Dichlorobenzene
Concen: 87.711 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:146 Resp: 2198284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 30.0 | 55.6 |
| 148 | 64.1 | 45.2 | 84.0 |

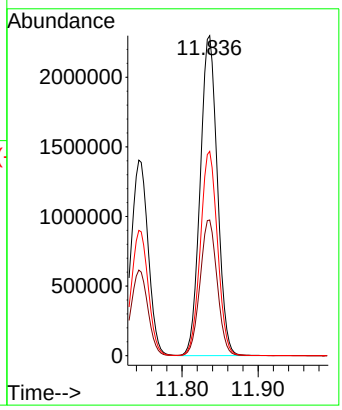





#65
1,4-Dichlorobenzene
Concen: 144.062 ug/L
RT: 11.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:146 Resp: 359849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 28.1 | 52.1 |
| 148 | 63.8 | 43.8 | 81.3 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

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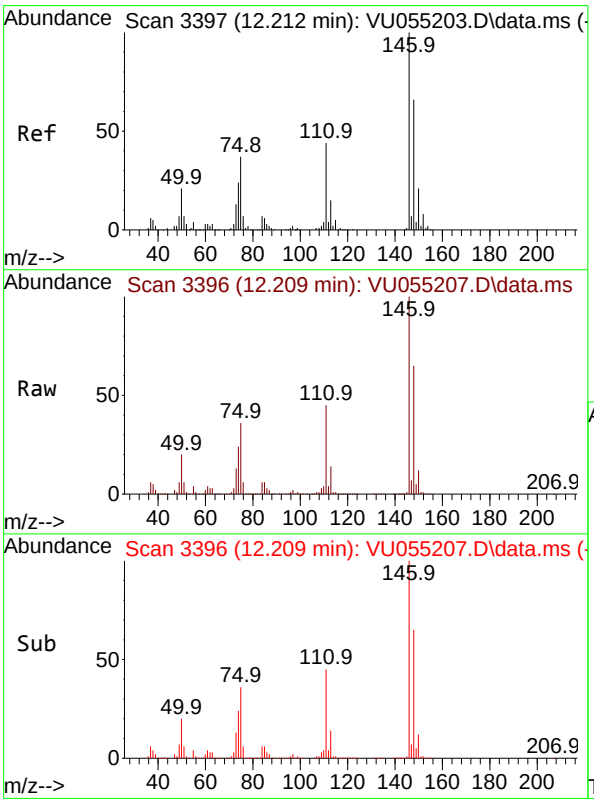
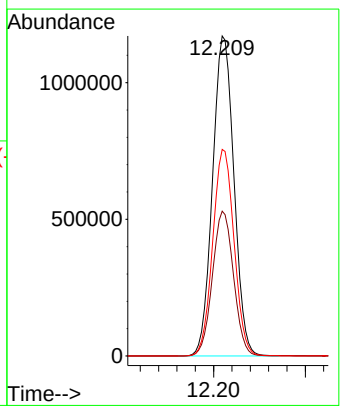
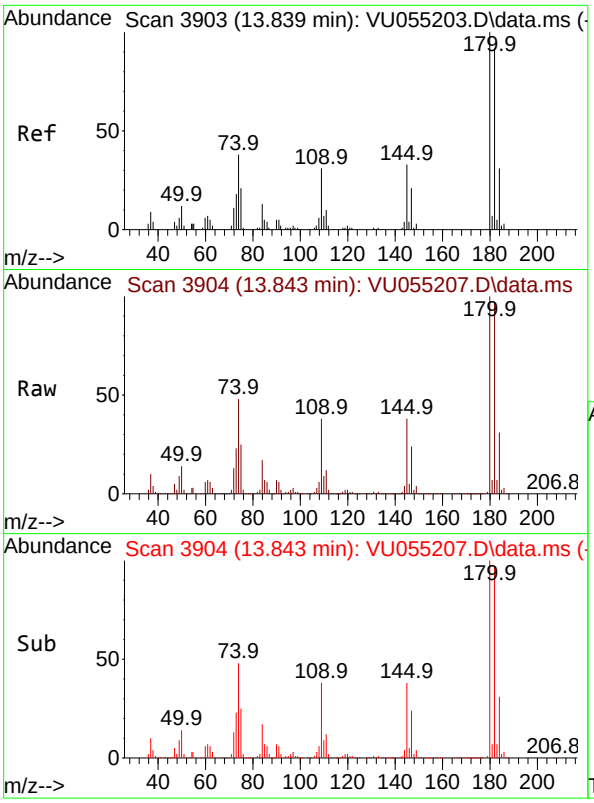



#67
1,2-Dichlorobenzene
Concen: 80.611 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:146 Resp: 1894178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.3 | 35.6 | 53.4 |
| 148 | 64.5 | 51.3 | 76.9 |

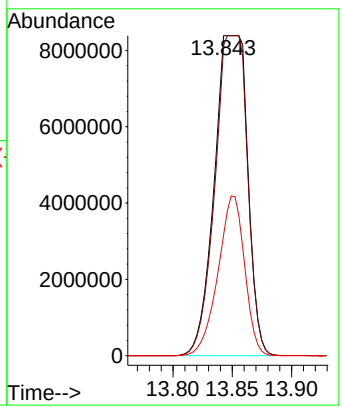





#70
1,2,4-trichlorobenzene
Concen: 922.690 ug/L m
RT: 13.843 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:180 Resp:1638678

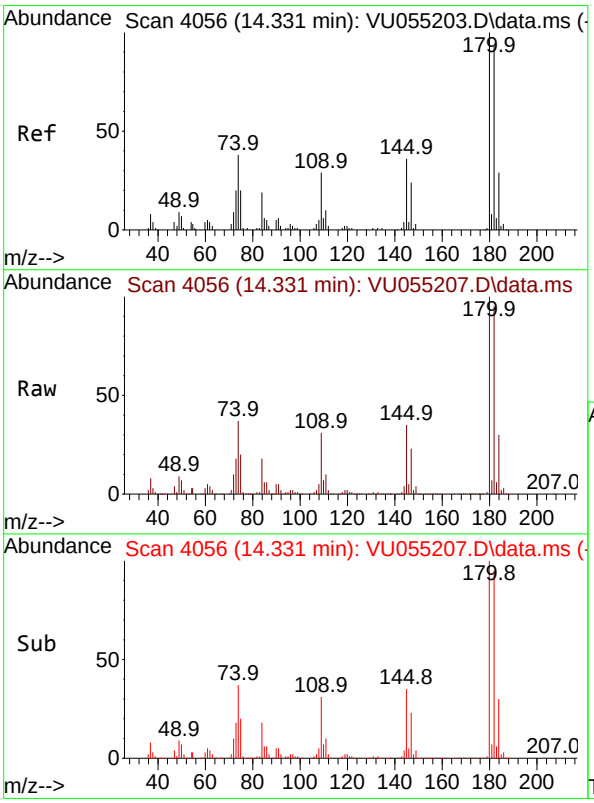
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 0.0 | 73.6 | 110.4 |
| 145 | 0.0 | 25.8 | 38.8 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
BH4H8

**Manual IntegrationsAPPROVED**

Reviewed By :John Carlone 09/08/2023
Supervised By :Mahesh Dadoda 09/14/2023




#72
1,2,3-Trichlorobenzene
Concen: 269.849 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.000 min
Lab File: VU055207.D
Acq: 08 Sep 2023 00:08

Tgt Ion:180 Resp: 4159726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 75.6 | 113.4 |
| 145 | 35.2 | 27.0 | 40.6 |