Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061523\
Data File : VV031537.D
Acq On : 15 Jun 2023 17:32
Operator : SY/MD
Sample : 03249-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

Quant Time: Jun 16 02:50:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 16 02:44:48 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.542 | 114 | 192425 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.792 | 117 | 185965 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.191 | 152 | 93110 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.282 | 65 | 49850 | 38.926 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 77.860% | | | |
| 7) Chloroethane-d5 | 1.536 | 69 | 48113 | 43.057 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 86.120% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.066 | 65 | 25309 | 38.346 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 76.700% | | | |
| 21) 2-Butanone-d5 | 3.799 | 46 | 113661 | 109.608 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 109.610% | | | |
| 24) Chloroform-d | 4.259 | 84 | 133994 | 41.778 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 83.560% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.950 | 65 | 92021 | 45.857 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.720% | | | |
| 32) Benzene-d6 | 4.969 | 84 | 235517 | 44.993 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.980% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.995 | 67 | 84529 | 45.561 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 91.120% | | | |
| 41) Toluene-d8 | 7.249 | 98 | 200493 | 41.739 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 83.480% | | | |
| 43) trans-1,3-Dichloroprop... | 7.558 | 79 | 39391 | 43.553 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 87.100% | | | |
| 47) 2-Hexanone-d5 | 8.034 | 63 | 78610 | 107.314 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 107.310% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84 | 130239 | 46.508 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.020% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.567 | 152 | 91028 | 51.288 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.580% | | | |
| Target Compounds | | | | | | Qvalue |
| 12) 1,1-Dichloroethene | 2.076 | 96 | 9176 | 6.445 | ug/L # | 1 |
| 17) trans-1,2-Dichloroethene | 2.706 | 96 | 2352 | 1.583 | ug/L | 77 |
| 19) 1,1-Dichloroethane | 3.121 | 63 | 74072 | 23.092 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 3.825 | 96 | 75221 | 46.833 | ug/L | 99 |
| 30) 1,1,1-Trichloroethane | 4.523 | 97 | 532606 | 178.633 | ug/L | 100 |
| 34) Trichloroethene | 5.844 | 95 | 4855 | 2.934 | ug/L | 98 |
| 46) Tetrachloroethene | 7.911 | 164 | 15242 | 11.738 | ug/L | 98 |
| 53) m,p-Xylene | 9.082 | 106 | 2966 | 1.131 | ug/L | 95 |
| 63) 1,2,4-Trimethylbenzene | 10.857 | 105 | 10958 | 2.397 | ug/L | 100 |

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

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ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

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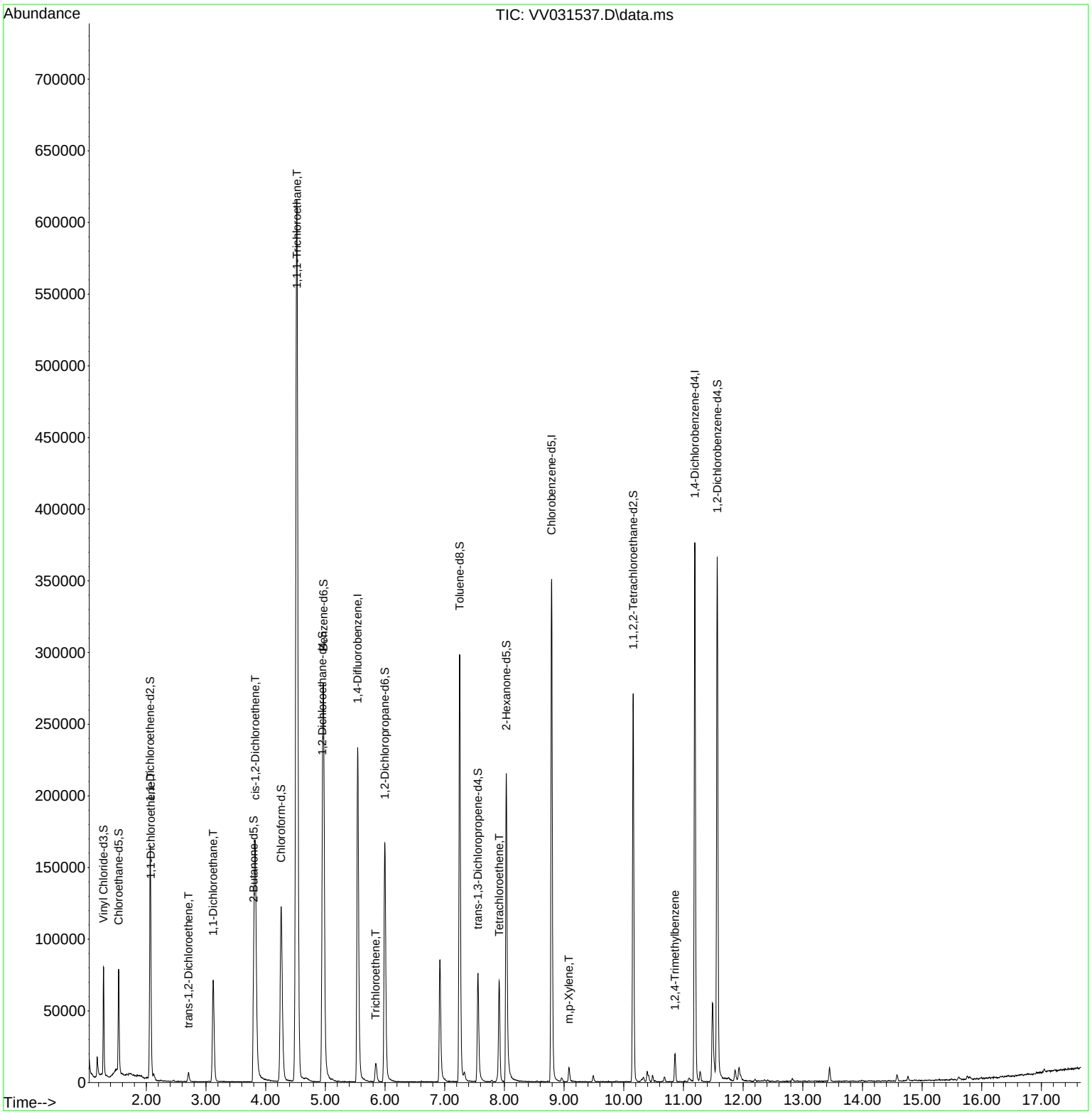
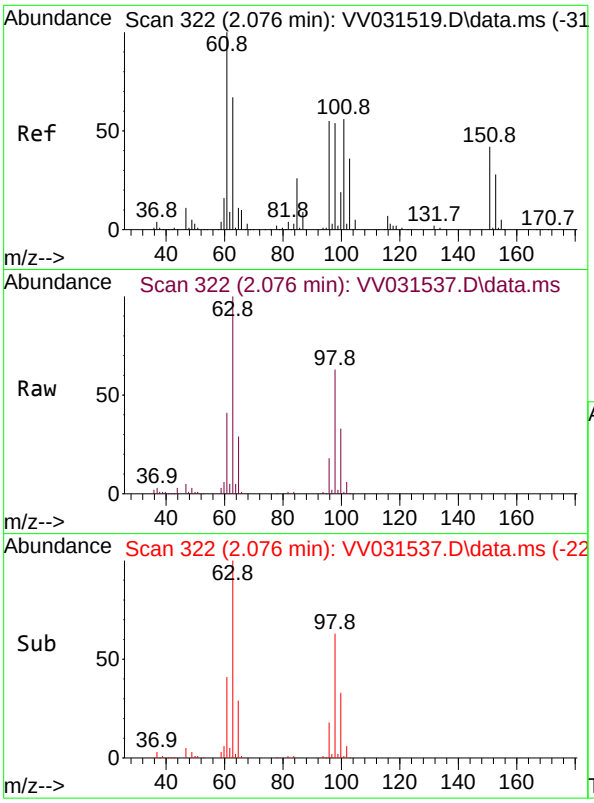
Quant Title : VOC Analysis
QLast Update : Fri Jun 16 02:44:48 2023
Response via : Initial Calibration



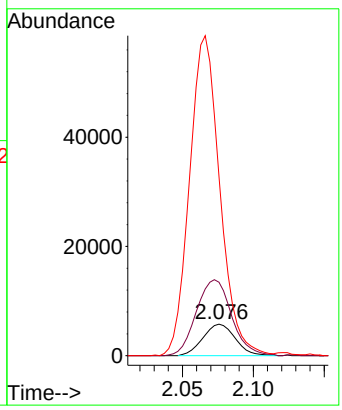


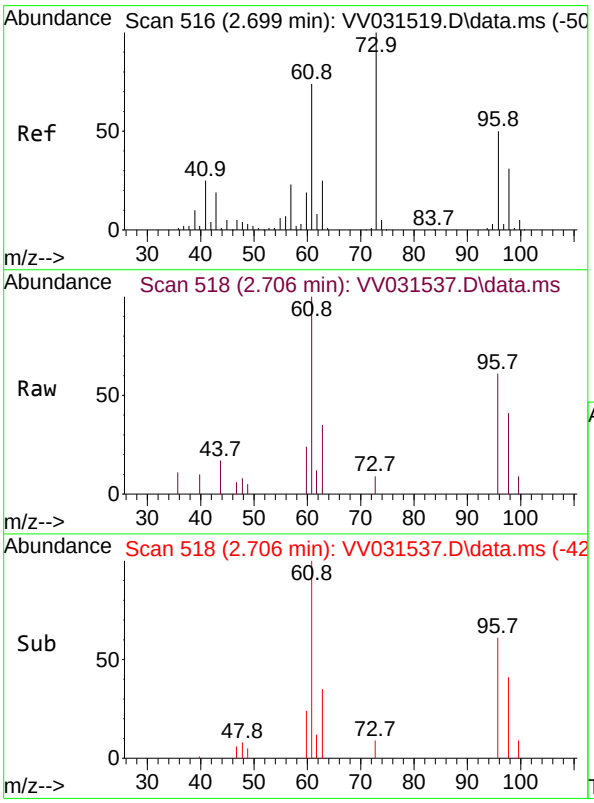

#12
1,1-Dichloroethene
Concen: 6.445 ug/L
RT: 2.076 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

Tgt Ion: 96 Resp: 9176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 213.9 | 128.9 | 239.5 |
| 63 | 522.0 | 95.3 | 177.1# |

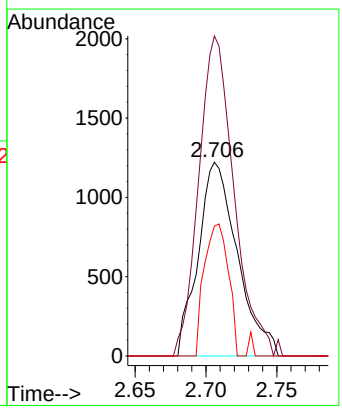


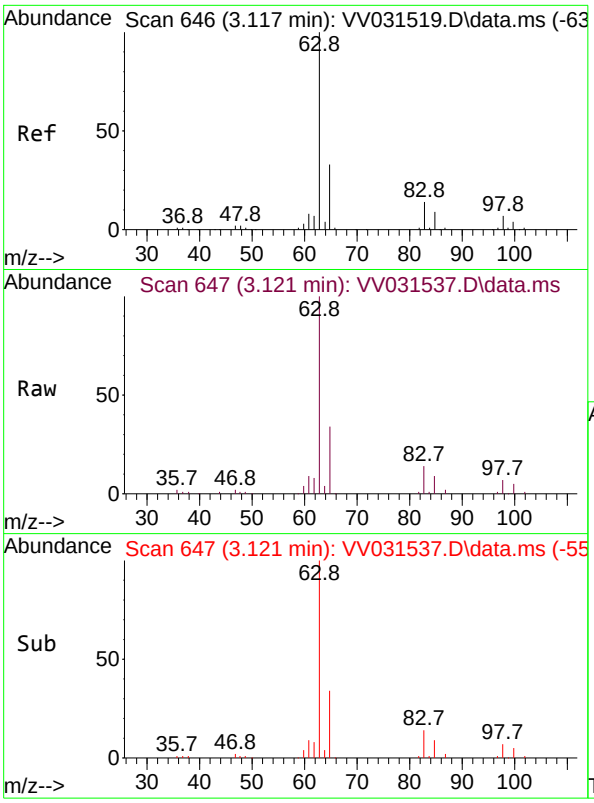




#17
trans-1,2-Dichloroethene
Concen: 1.583 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.007 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion: 96 Resp: 2352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.4 | 102.5 | 190.3 |
| 98 | 66.9 | 44.1 | 81.9 |



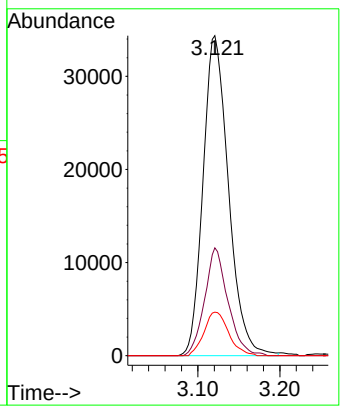


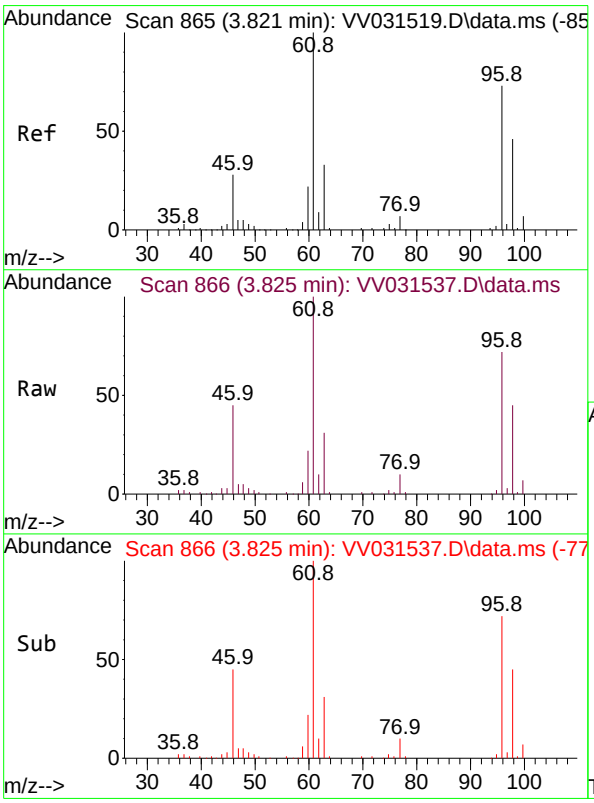

#19
1,1-Dichloroethane
Concen: 23.092 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

Tgt Ion: 63 Resp: 74072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.7 | 22.5 | 41.7 |
| 83 | 14.5 | 10.0 | 18.6 |

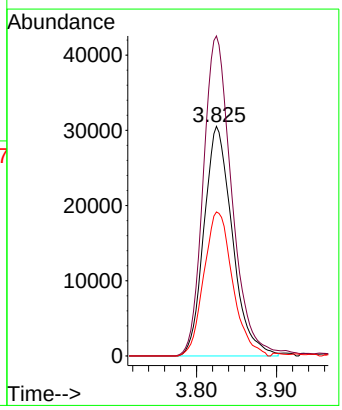


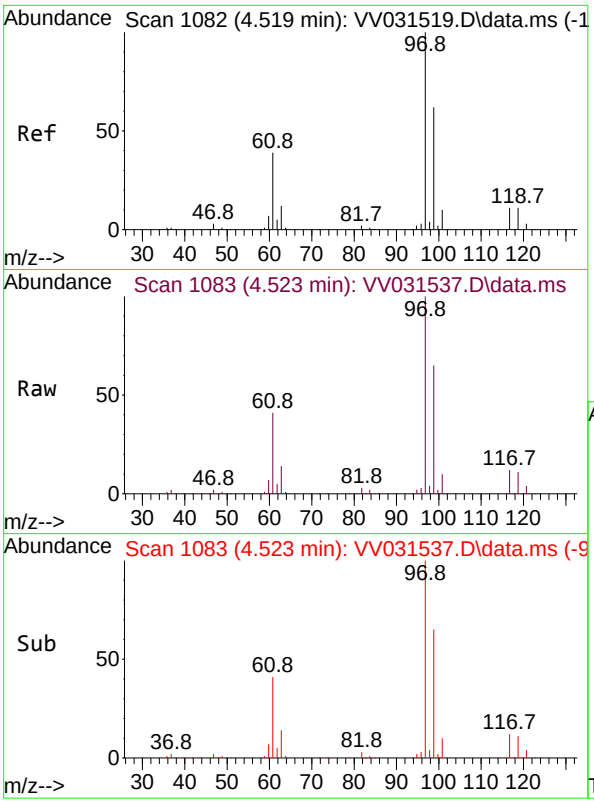




#20
cis-1,2-Dichloroethene
Concen: 46.833 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion: 96 Resp: 75221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.4 | 98.6 | 183.0 |
| 98 | 64.5 | 45.7 | 84.9 |



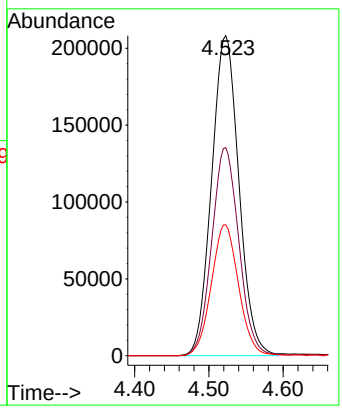


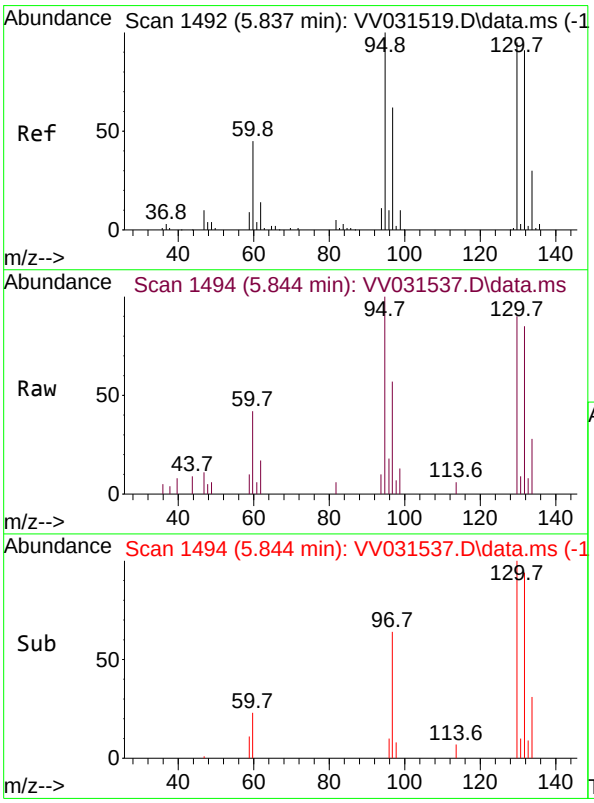

#30
1,1,1-Trichloroethane
Concen: 178.633 ug/L
RT: 4.523 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

Tgt Ion: 97 Resp: 532606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.6 | 51.8 | 77.6 |
| 61 | 40.9 | 33.0 | 49.6 |

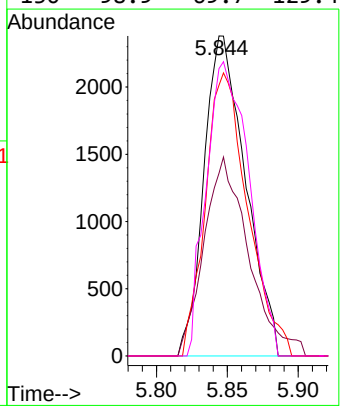


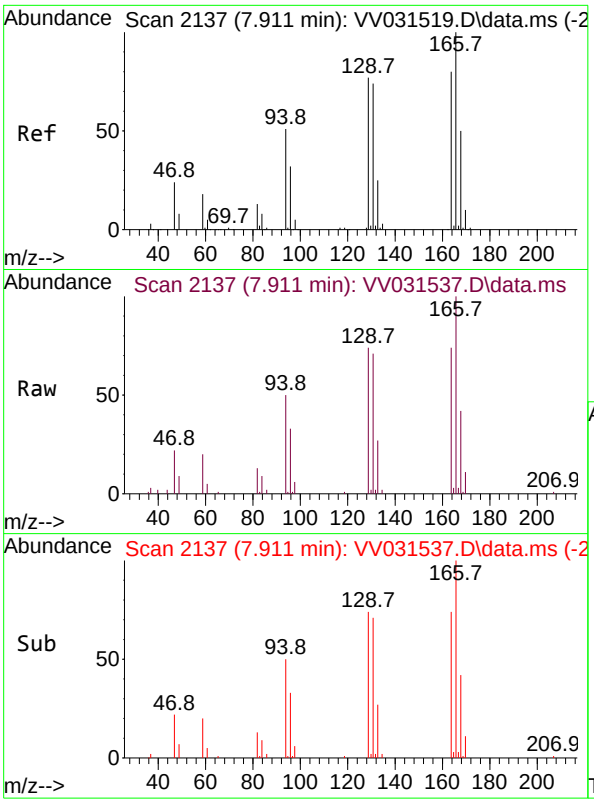




#34
Trichloroethene
Concen: 2.934 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion: 95 Resp: 4855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.4 | 46.8 | 86.8 |
| 132 | 92.7 | 66.4 | 123.2 |
| 130 | 98.9 | 69.7 | 129.4 |



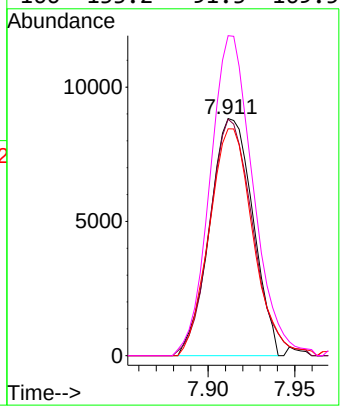


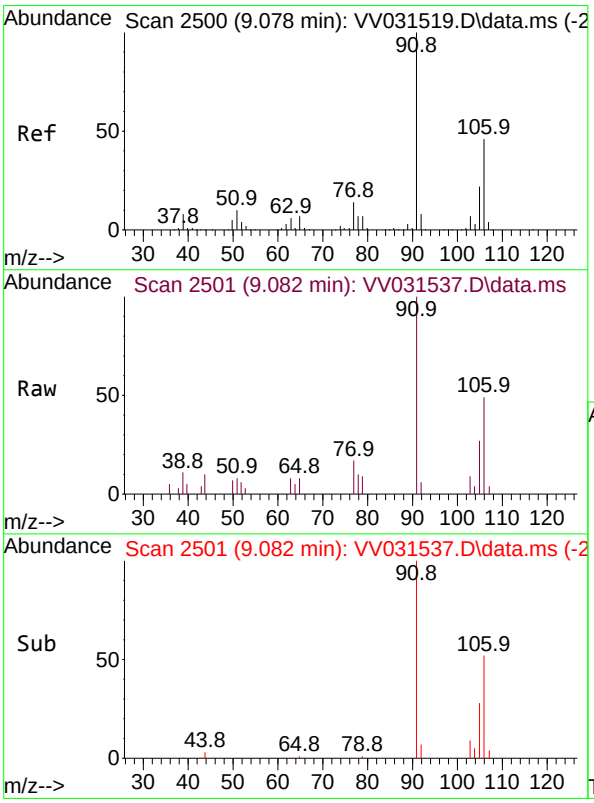

#46
Tetrachloroethene
Concen: 11.738 ug/L
RT: 7.911 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

Tgt Ion:164 Resp: 15242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 95.9 | 68.4 | 127.0 |
| 131 | 94.4 | 67.6 | 125.6 |
| 166 | 133.2 | 91.3 | 169.5 |

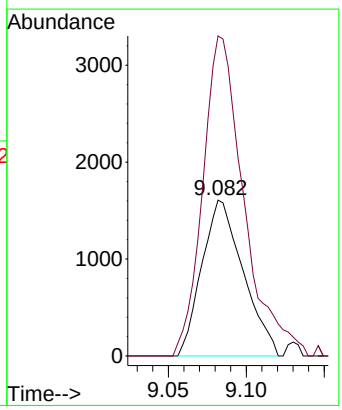


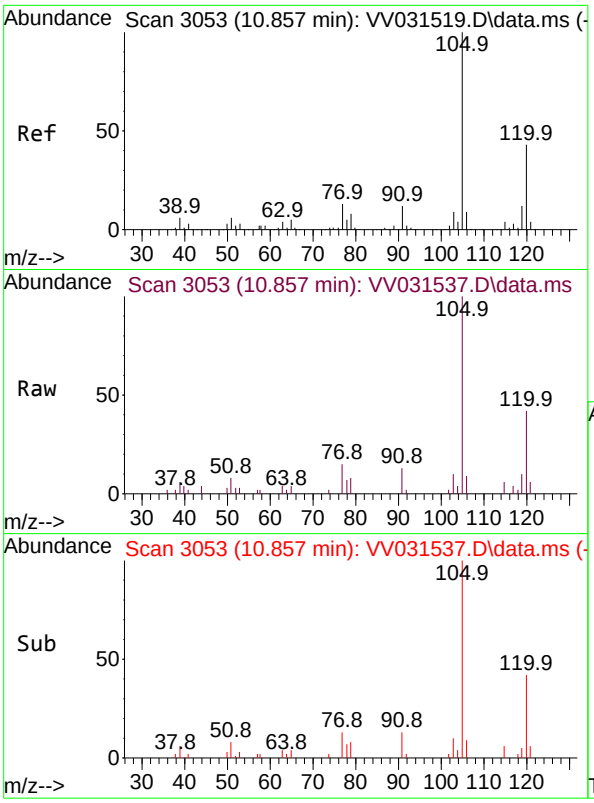




#53
m,p-Xylene
Concen: 1.131 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

Tgt Ion:106 Resp: 2966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.3 | 149.0 | 276.6 |






#63
1,2,4-Trimethylbenzene
Concen: 2.397 ug/L
RT: 10.857 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV031537.D
Acq: 15 Jun 2023 17:32

**Instrument :**
MSVOA_V
**ClientSampleId :**
EXYT5

Tgt Ion:105 Resp: 10958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.9 | 33.4 | 50.2 |