Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120721\
Data File : VV023829.D
Acq On : 07 Dec 2021 17:44
Operator : SY/MD
Sample : M4879-02DL 10X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Quant Time: Dec 08 01:16:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 148229 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.854 | 117 | 136747 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152 | 75807 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.307 | 65 | 37645 | 3.094 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 61.800% | | | |
| 7) Chloroethane-d5 | 1.568 | 69 | 33126 | 3.463 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 69.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.108 | 63 | 55386 | 2.583 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 51.600%# | | | |
| 20) 2-Butanone-d5 | 3.905 | 46 | 99288 | 67.874 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 135.740%# | | | |
| 24) Chloroform-d | 4.349 | 84 | 91848 | 4.335 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 43483 | 4.393 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 87.800% | | | |
| 32) Benzene-d6 | 5.050 | 84 | 174338 | 4.680 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.069 | 67 | 52072 | 4.986 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 99.800% | | | |
| 41) Toluene-d8 | 7.317 | 98 | 158592 | 4.557 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.200% | | | |
| 43) trans-1,3-Dichloroprop... | 7.622 | 79 | 19823 | 4.709 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 94.200% | | | |
| 46) 2-Hexanone-d5 | 8.092 | 63 | 88364 | 63.181 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 126.360% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84 | 37646 | 5.010 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 100.200% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.625 | 152 | 67025 | 5.001 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 100.000% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Methylene chloride | 2.510 | 84 | 11528 | 0.813 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.918 | 96 | 17283 | 1.593 | ug/L | 93 |
| 30) Cyclohexane | 4.674 | 56 | 7242 | 0.486 | ug/L | 92 |
| 34) Trichloroethene | 5.918 | 95 | 17409 | 1.667 | ug/L | 96 |
| 35) Methylcyclohexane | 6.133 | 83 | 3614 | 0.222 | ug/L | 93 |
| 42) Toluene | 7.394 | 91 | 11017 | 0.261 | ug/L | 96 |
| 47) Tetrachloroethene | 7.976 | 164 | 99980 | 10.518 | ug/L | 99 |
| 52) Ethylbenzene | 9.014 | 91 | 39379 | 0.891 | ug/L | 98 |
| 53) m,p-xylene | 9.140 | 106 | 30172 | 1.715 | ug/L | 94 |
| 54) o-xylene | 9.548 | 106 | 6253 | 0.374 | ug/L | 98 |
| 60) Isopropylbenzene | 9.934 | 105 | 5553 | 0.123 | ug/L # | 67 |
| 62) 1,3,5-Trimethylbenzene | 10.538 | 105 | 35129 | 0.933 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 10.915 | 105 | 179847 | 4.828 | ug/L | 100 |

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

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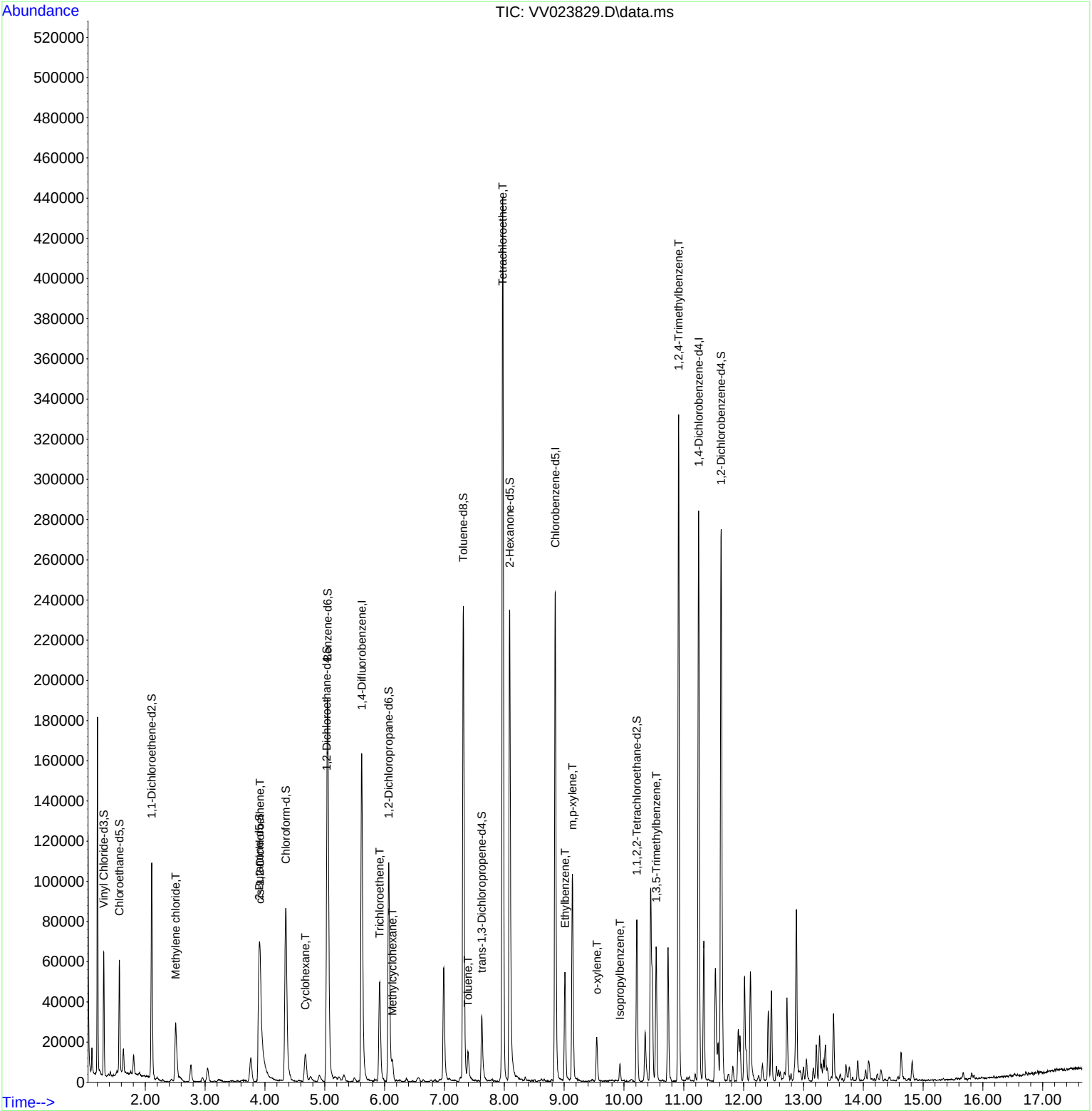
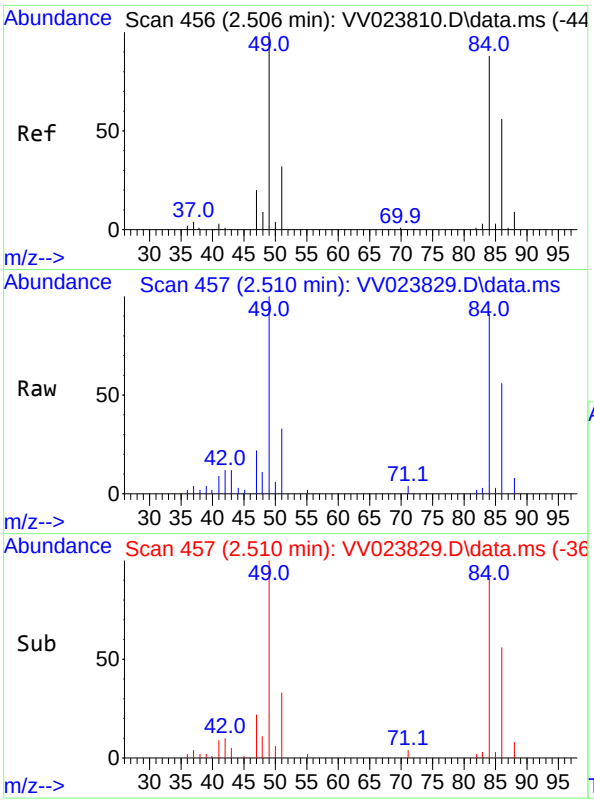
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Quant Time: Dec 08 01:16:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Dec 02 02:08:23 2021
Response via : Initial Calibration



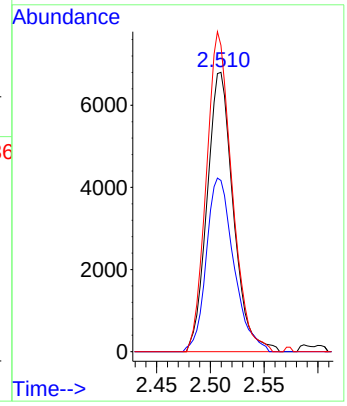


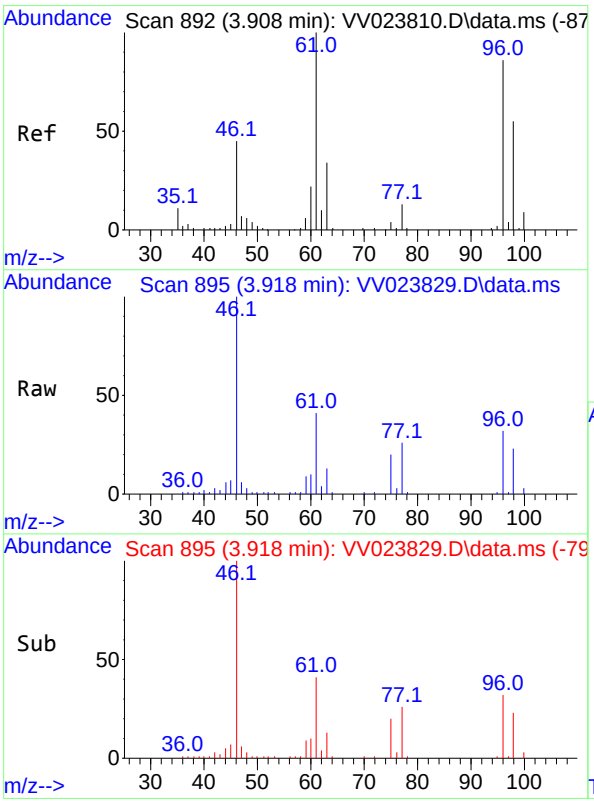

#16
Methylene chloride
Concen: 0.813 ug/L
RT: 2.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion: 84 Resp: 11528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.3 | 42.6 | 79.0 |
| 49 | 109.6 | 79.7 | 147.9 |

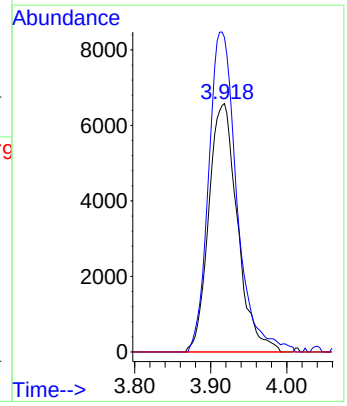


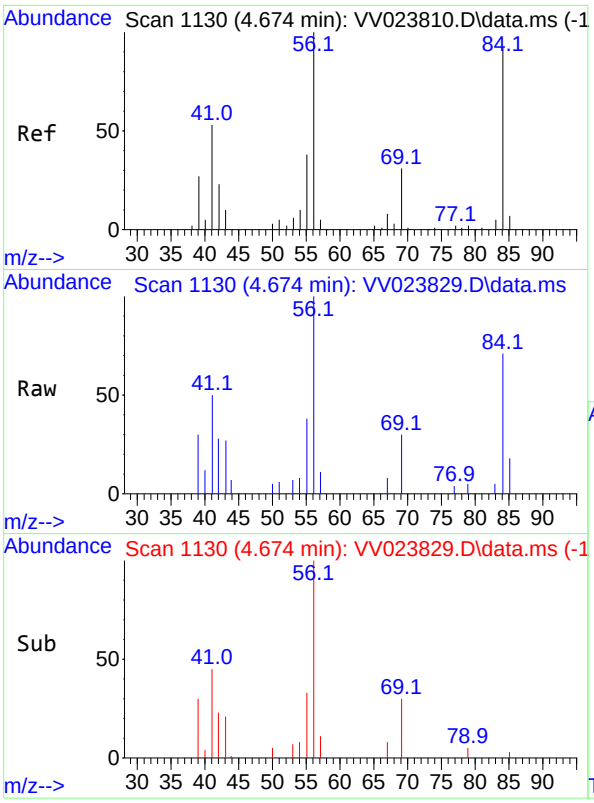




#22
cis-1,2-Dichloroethene
Concen: 1.593 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion: 96 Resp: 17283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.5 | 83.4 | 154.8 |
| 68 | 0.0 | 0.0 | 0.0 |



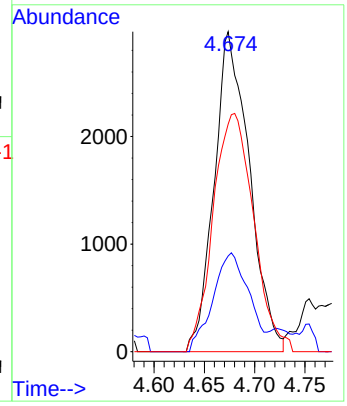


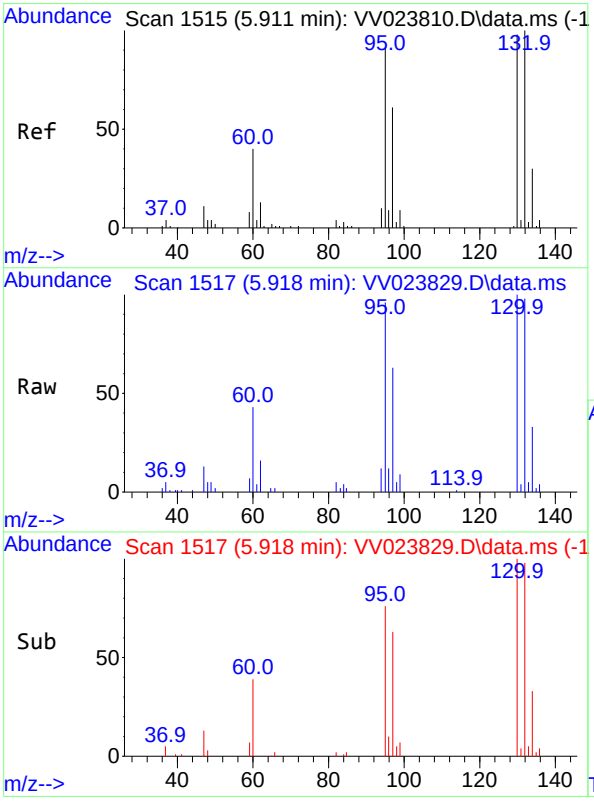

#30
Cyclohexane
Concen: 0.486 ug/L
RT: 4.674 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion: 56 Resp: 7242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.8 | 24.8 | 37.2 |
| 84 | 85.5 | 75.9 | 113.9 |

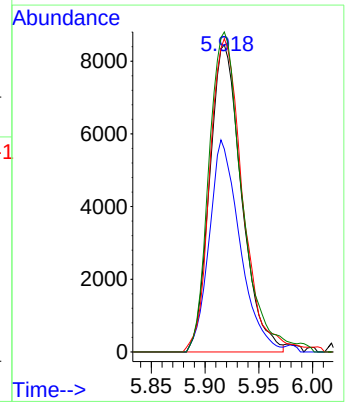


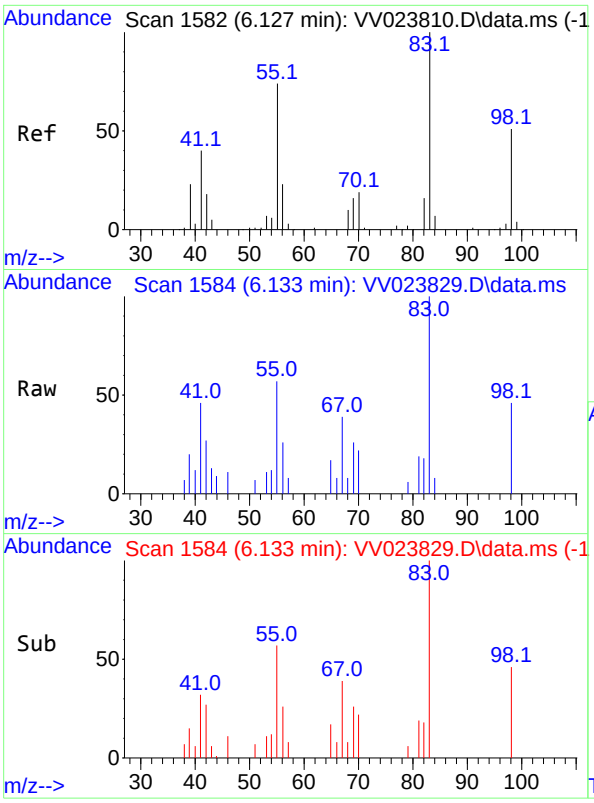




#34
Trichloroethene
Concen: 1.667 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion: 95 Resp: 17409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 66.0 | 45.2 | 84.0 |
| 132 | 102.0 | 76.1 | 141.3 |
| 130 | 104.1 | 75.4 | 140.0 |



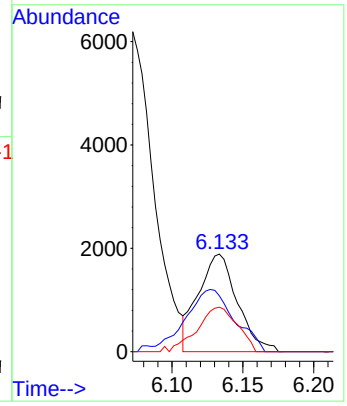


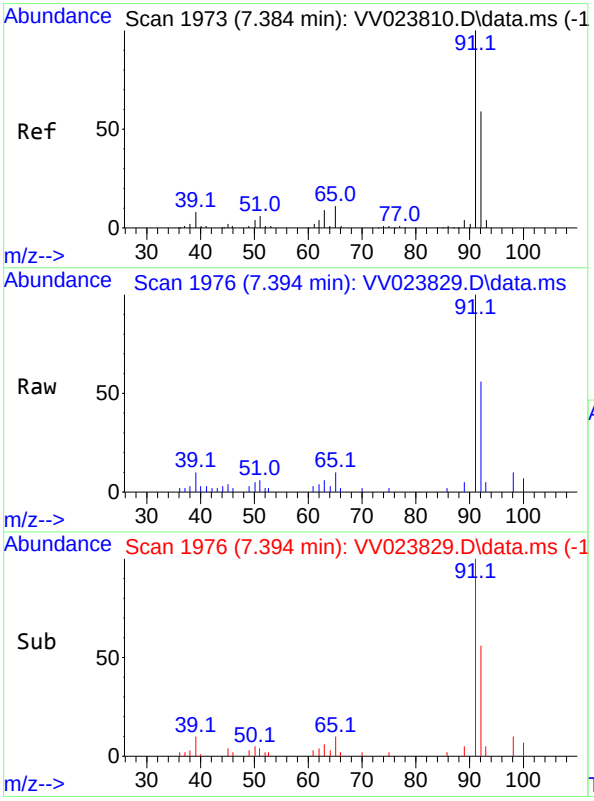

#35
Methylcyclohexane
Concen: 0.222 ug/L
RT: 6.133 min Scan# 1
Delta R.T. 0.007 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion: 83 Resp: 3614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.1 | 60.2 | 90.2 |
| 98 | 47.0 | 41.0 | 61.4 |

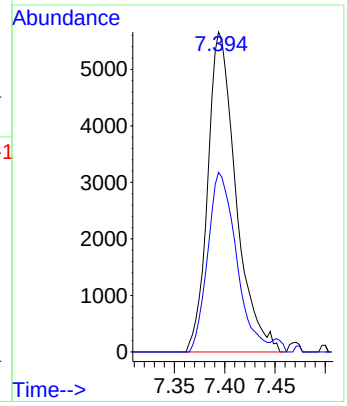


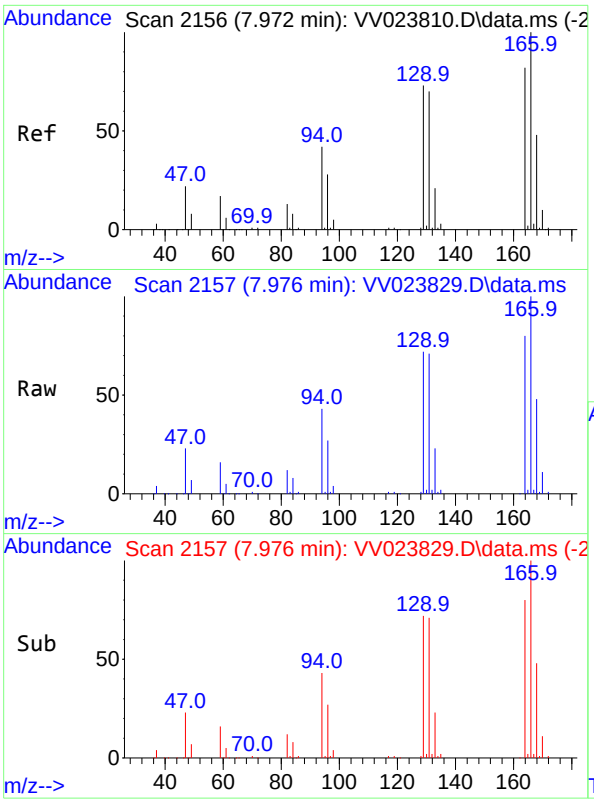




#42
Toluene
Concen: 0.261 ug/L
RT: 7.394 min Scan# 1976
Delta R.T. 0.010 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion: 91 Resp: 11017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.2 | 41.5 | 77.1 |



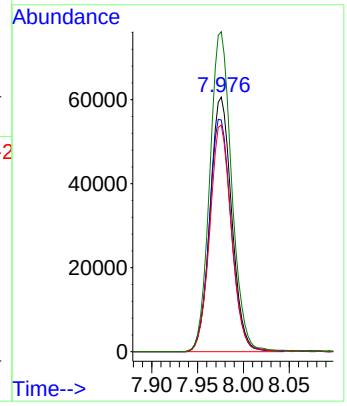


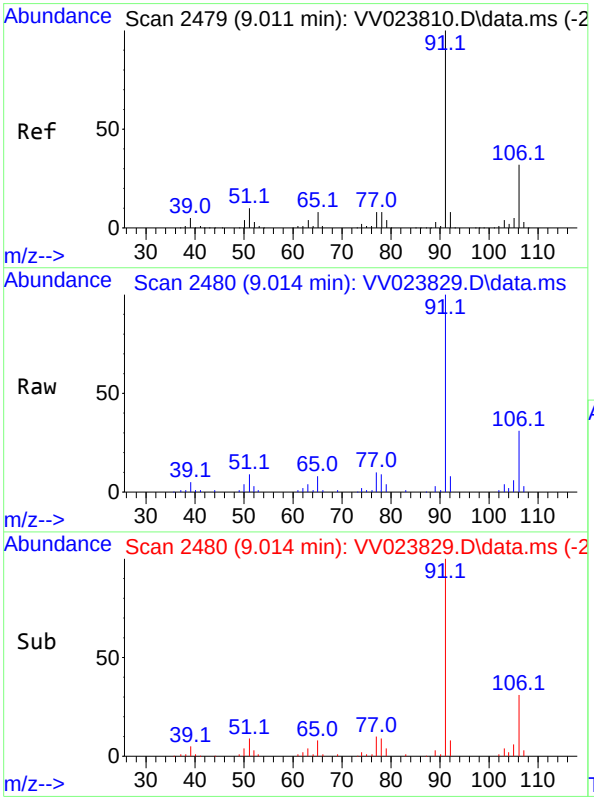

#47
Tetrachloroethene
Concen: 10.518 ug/L
RT: 7.976 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion:164 Resp: 99980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 91.0 | 62.6 | 116.2 |
| 131 | 89.0 | 61.0 | 113.4 |
| 166 | 125.7 | 87.3 | 162.1 |

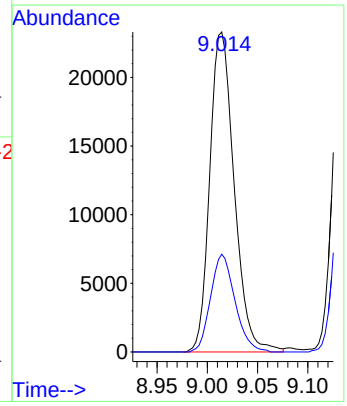


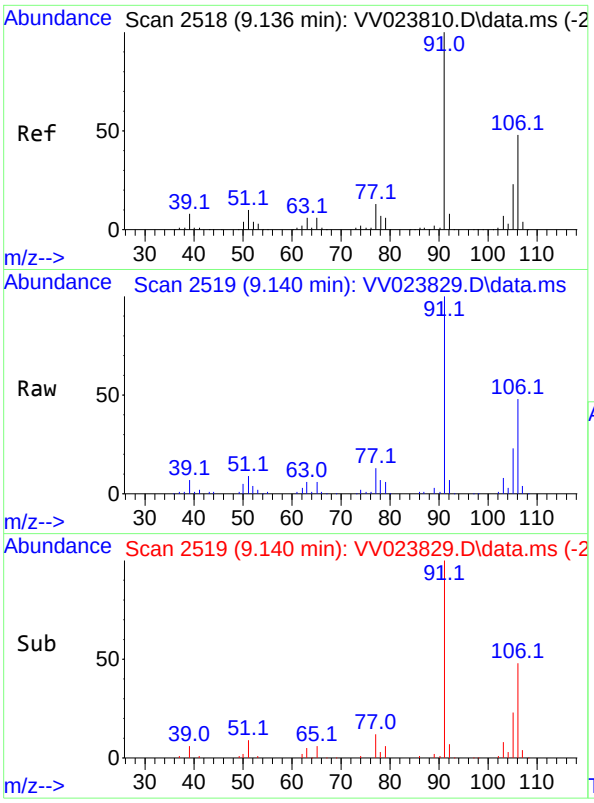




#52
Ethylbenzene
Concen: 0.891 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion: 91 Resp: 39379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 22.0 | 41.0 |



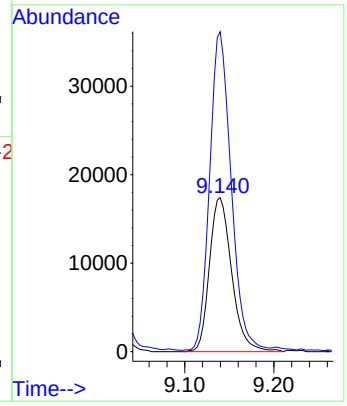


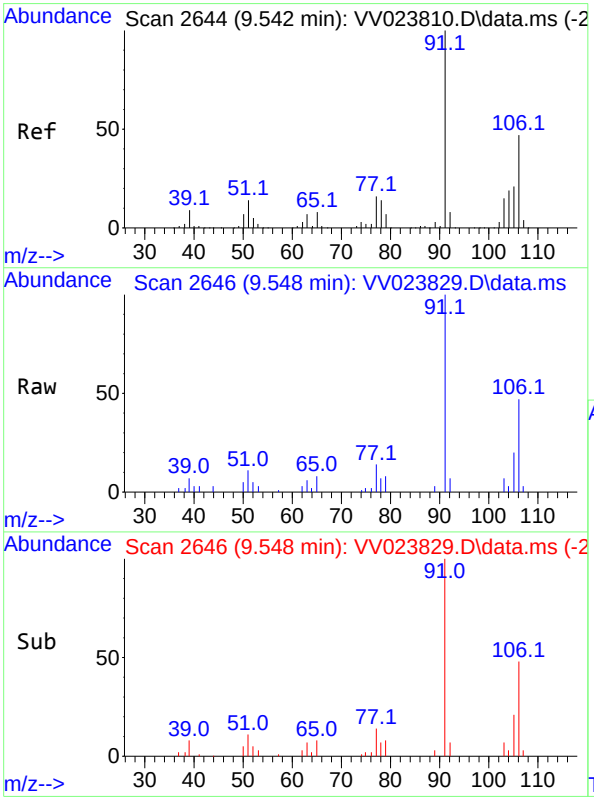

#53
m,p-xylene
Concen: 1.715 ug/L
RT: 9.140 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion:106 Resp: 30172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.6 | 139.5 | 259.1 |

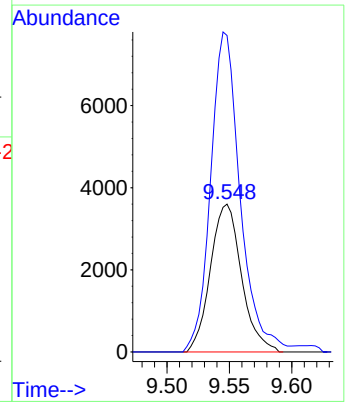


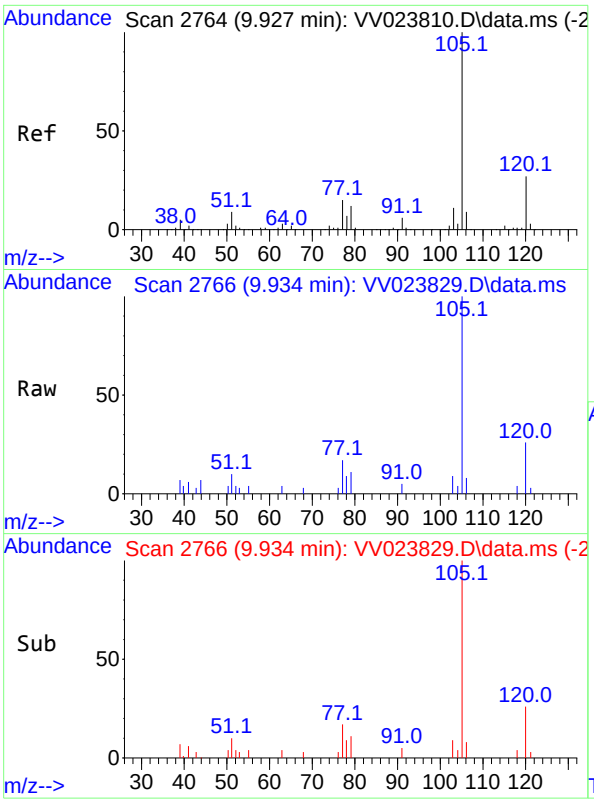




#54
o-xylene
Concen: 0.374 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.007 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion:106 Resp: 6253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.1 | 147.9 | 274.7 |



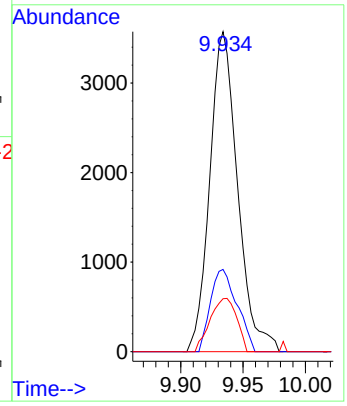


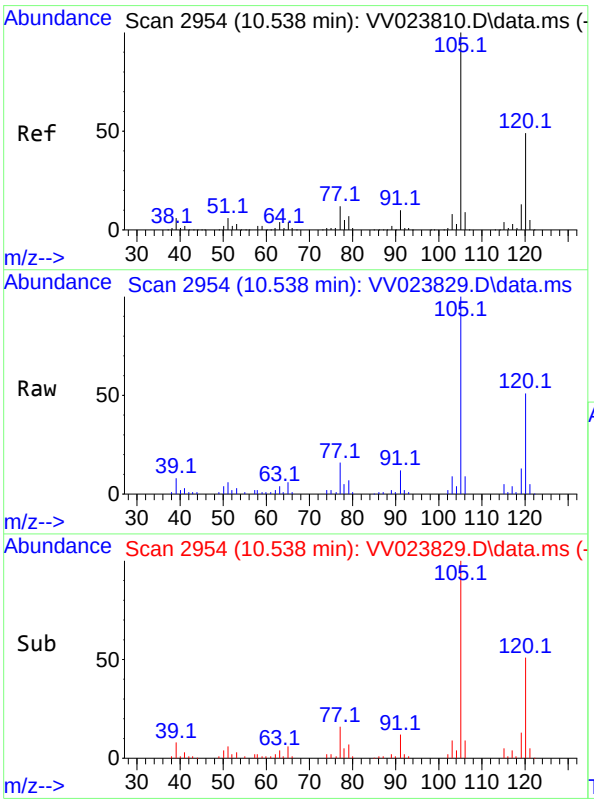

#60
Isopropylbenzene
Concen: 0.123 ug/L
RT: 9.934 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion:105 Resp: 5553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 21.4 | 32.0# |
| 77 | 15.9 | 12.2 | 18.4 |

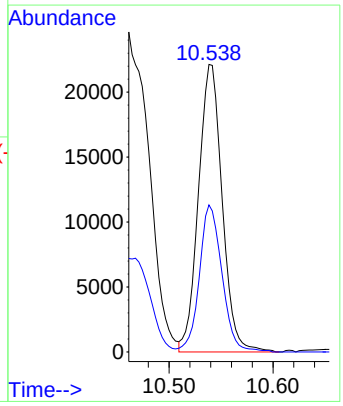


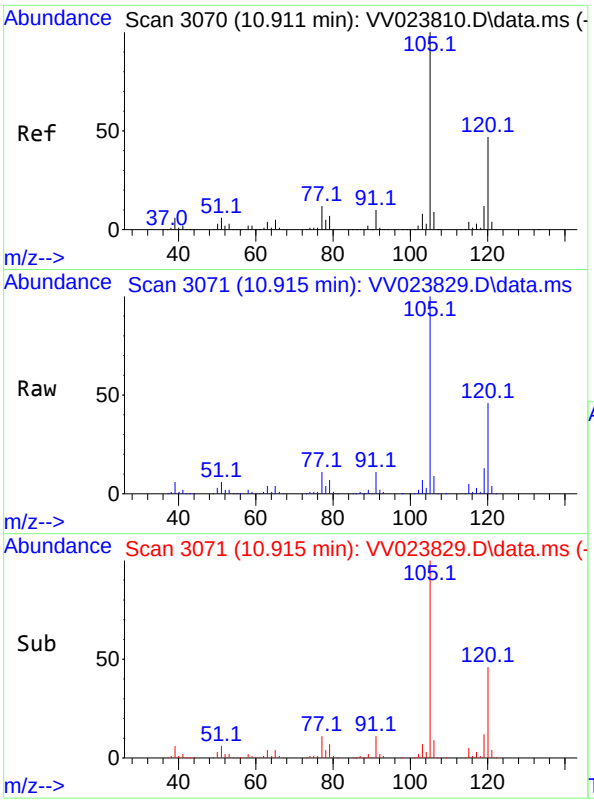




#62
1,3,5-Trimethylbenzene
Concen: 0.933 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

Tgt Ion:105 Resp: 35129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 40.1 | 60.1 |






#63
1,2,4-Trimethylbenzene
Concen: 4.828 ug/L
RT: 10.915 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV023829.D
Acq: 07 Dec 2021 17:44

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0G21DL

Tgt Ion:105 Resp: 179847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 36.7 | 55.1 |