Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120722\
Data File : VV029431.D
Acq On : 07 Dec 2022 20:42
Operator : SY/MD
Sample : N5894-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AA6

Quant Time: Dec 08 00:58:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 08 00:46:44 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.609 | 114 | 513183 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.844 | 117 | 466926 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.239 | 152 | 236787 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 136908 | 43.566 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 87.140% | | | |
| 7) Chloroethane-d5 | 1.564 | 69 | 107946 | 45.048 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 90.100% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.105 | 63 | 164526 | 33.567 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 67.140% | | | |
| 21) 2-Butanone-d5 | 3.870 | 46 | 181393 | 94.622 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 94.620% | | | |
| 24) Chloroform-d | 4.339 | 84 | 267898 | 45.302 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 90.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.024 | 65 | 160994 | 47.667 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 95.340% | | | |
| 32) Benzene-d6 | 5.043 | 84 | 573358 | 46.472 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.940% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.063 | 67 | 178564 | 47.382 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 94.760% | | | |
| 41) Toluene-d8 | 7.310 | 98 | 526921 | 45.327 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 90.660% | | | |
| 43) trans-1,3-Dichloroprop... | 7.612 | 79 | 85301 | 44.824 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 89.640% | | | |
| 47) 2-Hexanone-d5 | 8.082 | 63 | 156576 | 97.295 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 97.300% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84 | 251514 | 46.703 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 93.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.612 | 152 | 217892 | 48.340 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.680% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.159 | 43 | 4326 | 3.464 | ug/L | 99 |
| 16) Methylene chloride | 2.503 | 84 | 19685 | 5.772 | ug/L | 95 |
| 25) Chloroform | 4.365 | 83 | 28540 | 5.084 | ug/L | 98 |
| 33) Benzene | 5.098 | 78 | 31464 | 2.391 | ug/L | 100 |
| 35) Methylcyclohexane | 6.063 | 83 | 42168 | 7.528 | ug/L # | 21 |
| 44) trans-1,3-Dichloropropene | 7.616 | 75 | 3483 | 0.704 | ug/L # | 66 |
| 51) Chlorobenzene | 8.873 | 112 | 59008 | 6.578 | ug/L | 97 |
| 65) 1,4-Dichlorobenzene | 11.262 | 146 | 28428 | 4.115 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 11.631 | 146 | 25828 | 3.716 | ug/L | 97 |

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

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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
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**ClientSampleId :**
C0AA6

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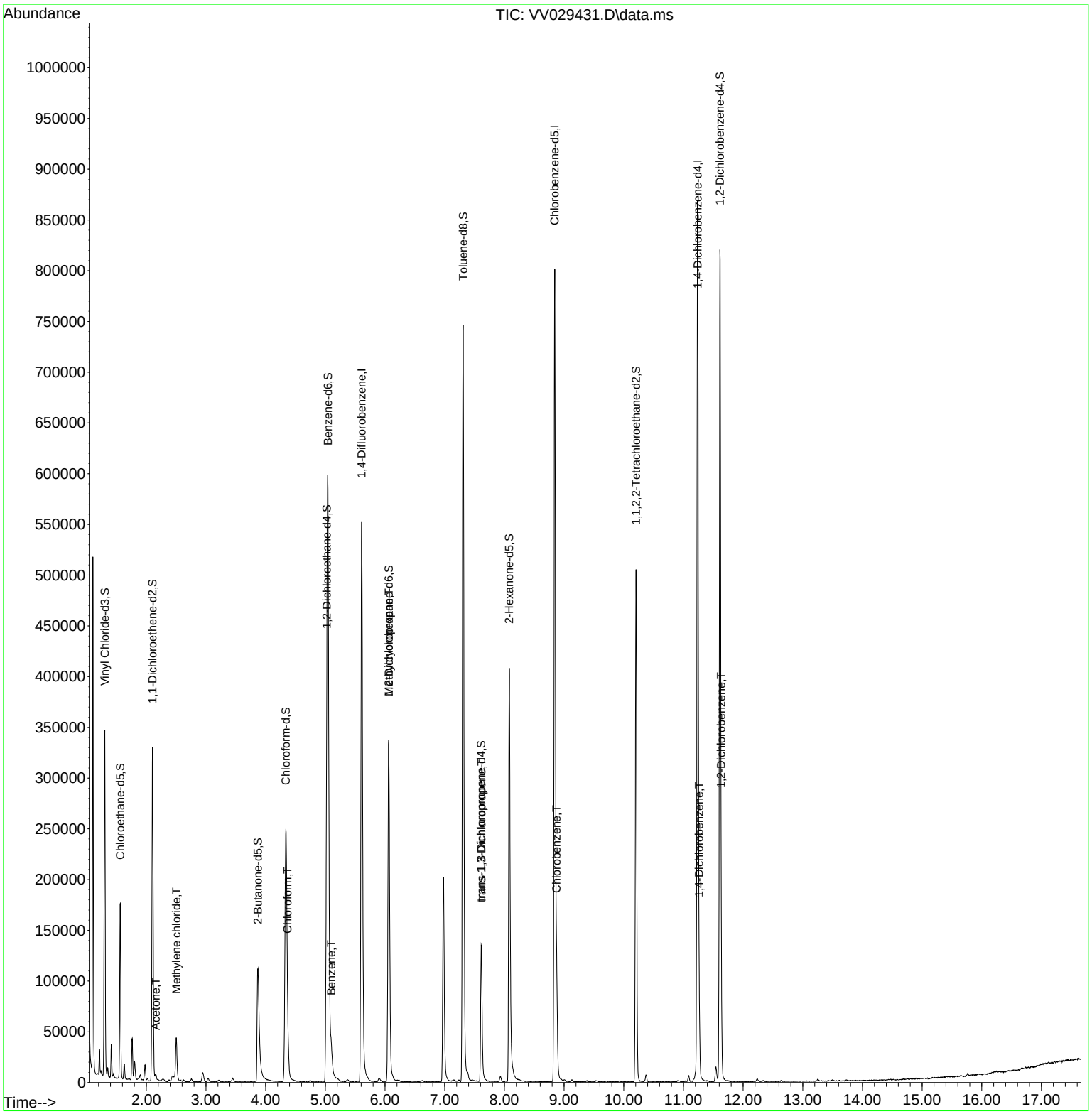
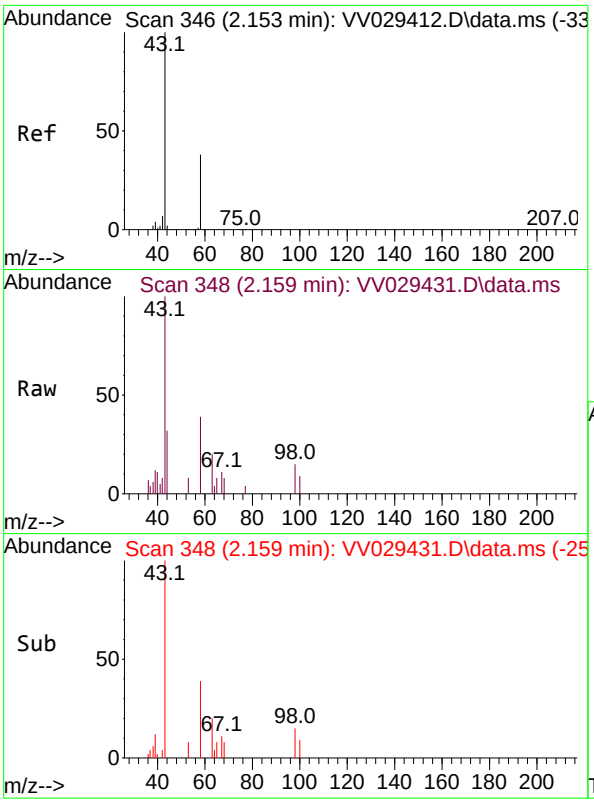
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 08 00:46:44 2022
Response via : Initial Calibration



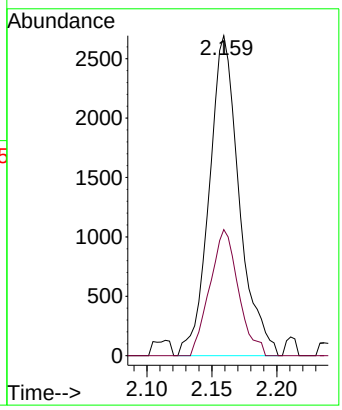


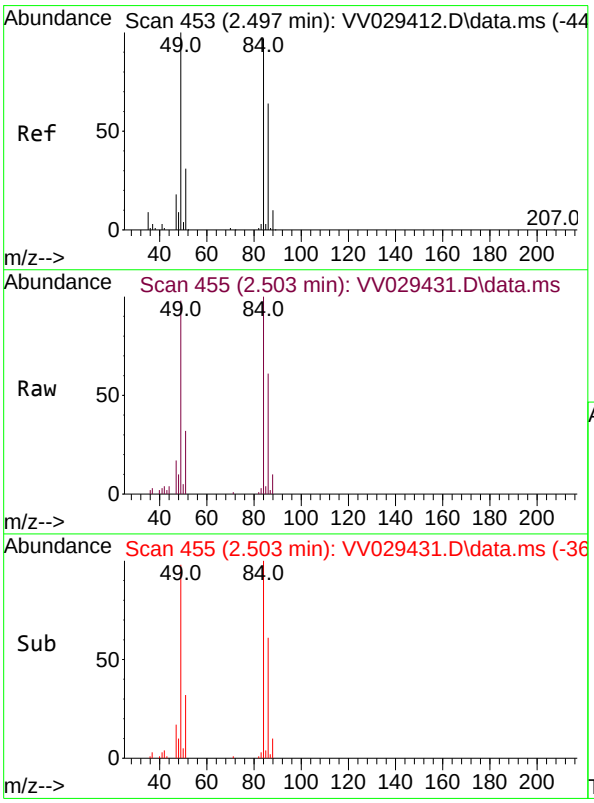

#13
Acetone
Concen: 3.464 ug/L
RT: 2.159 min Scan# 34
Delta R.T. 0.006 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AA6

Tgt Ion: 43 Resp: 4326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 0.0 | 74.8 |

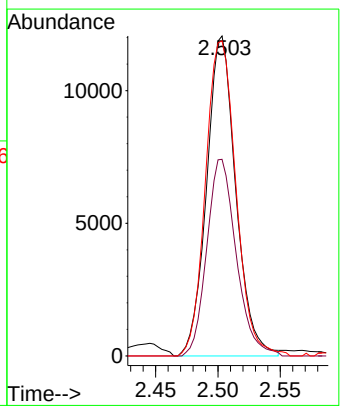


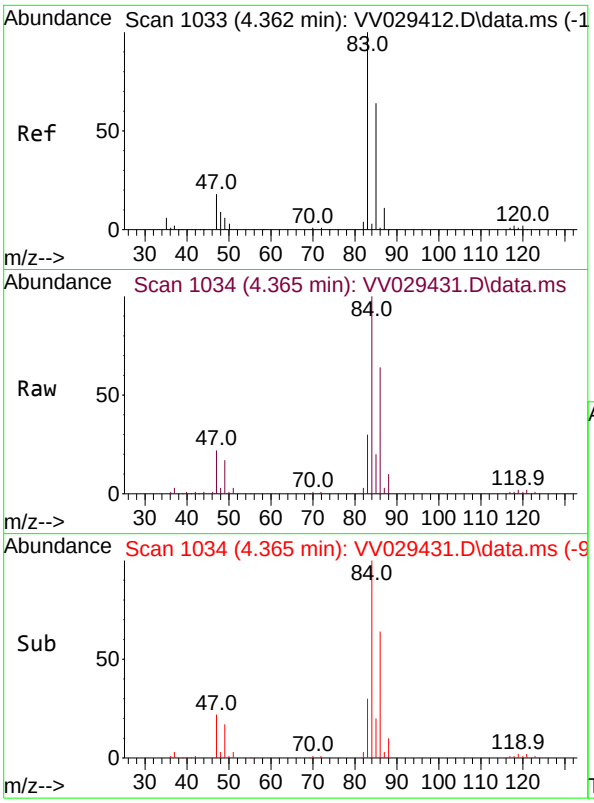




#16
Methylene chloride
Concen: 5.772 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.006 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

Tgt Ion: 84 Resp: 19685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.5 | 46.0 | 85.4 |
| 49 | 98.5 | 72.2 | 134.0 |



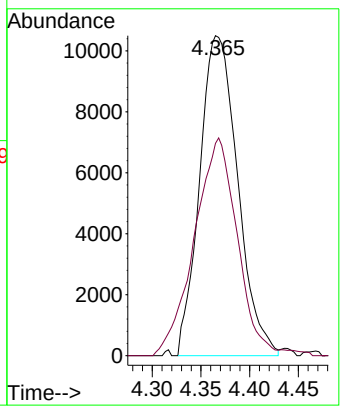


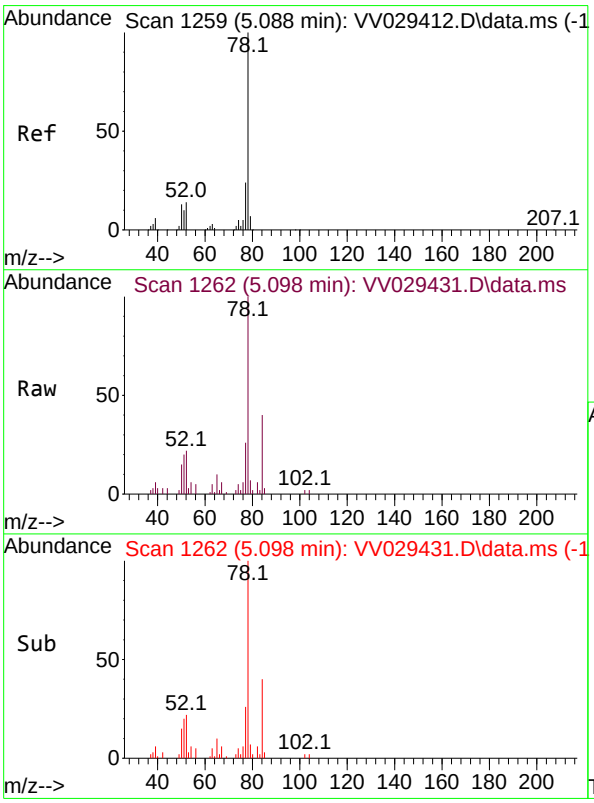

#25
Chloroform
Concen: 5.084 ug/L
RT: 4.365 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AA6

Tgt Ion: 83 Resp: 28540

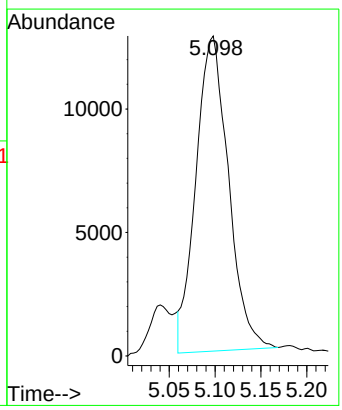
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 45.1 | 83.9 |

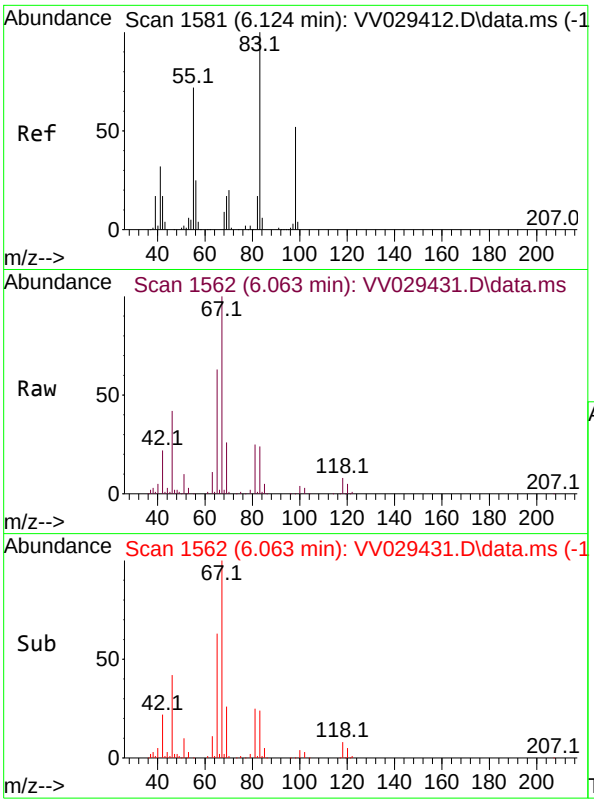



#33
Benzene
Concen: 2.391 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.010 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

Tgt Ion: 78 Resp: 31464



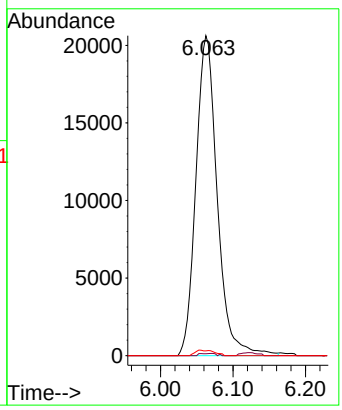


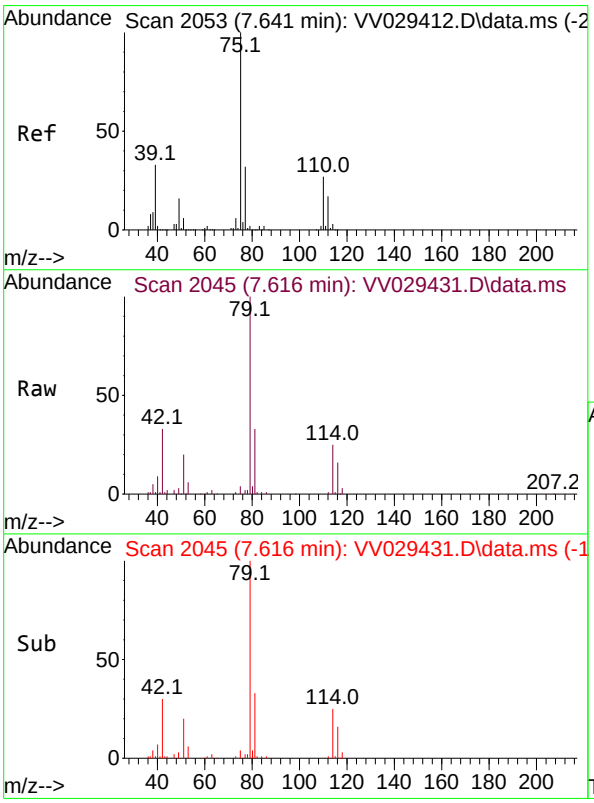

#35
Methylcyclohexane
Concen: 7.528 ug/L
RT: 6.063 min Scan# 1
Delta R.T. -0.061 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AA6

Tgt Ion: 83 Resp: 42168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.2 | 55.5 | 83.3# |
| 98 | 0.7 | 39.8 | 59.8# |

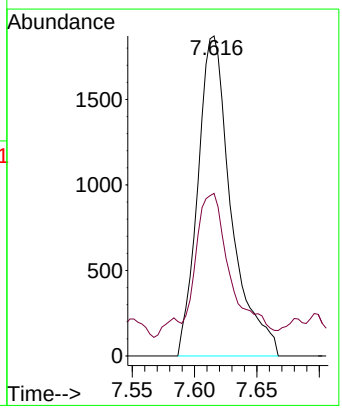


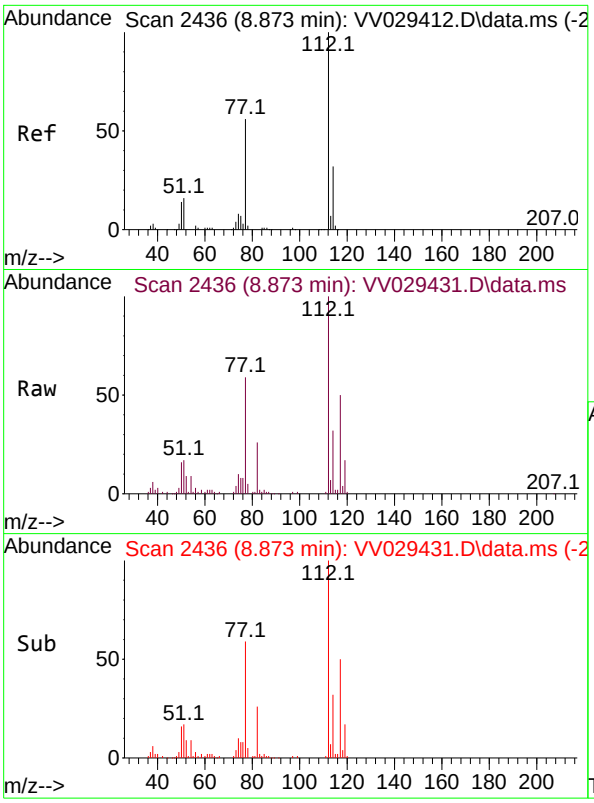




#44
trans-1,3-Dichloropropene
Concen: 0.704 ug/L
RT: 7.616 min Scan# 2045
Delta R.T. -0.026 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

Tgt Ion: 75 Resp: 3483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 50.8 | 22.3 | 41.5# |



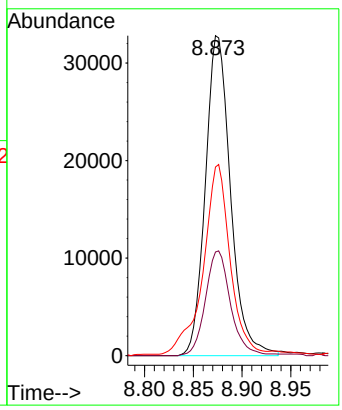


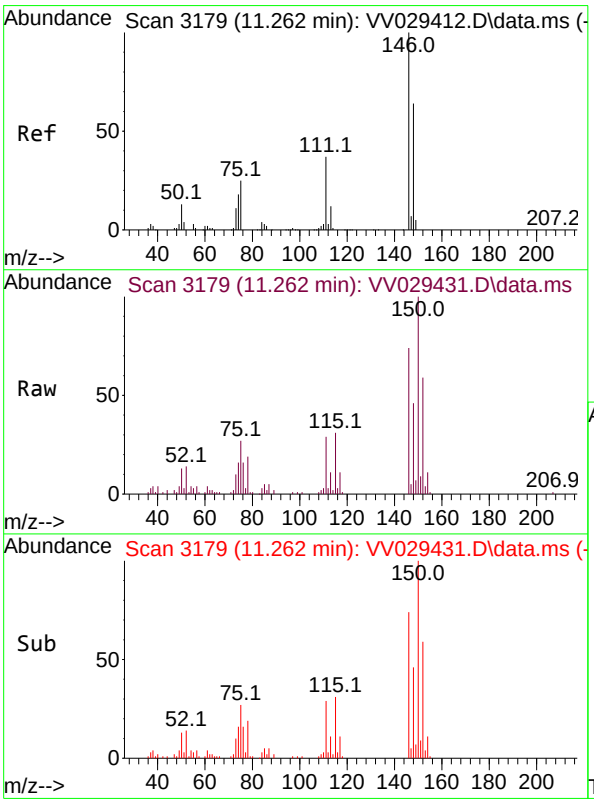

#51
Chlorobenzene
Concen: 6.578 ug/L
RT: 8.873 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AA6

Tgt Ion:112 Resp: 59008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 22.3 | 41.3 |
| 77 | 59.0 | 45.0 | 67.4 |

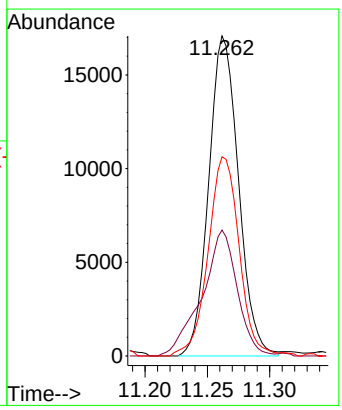


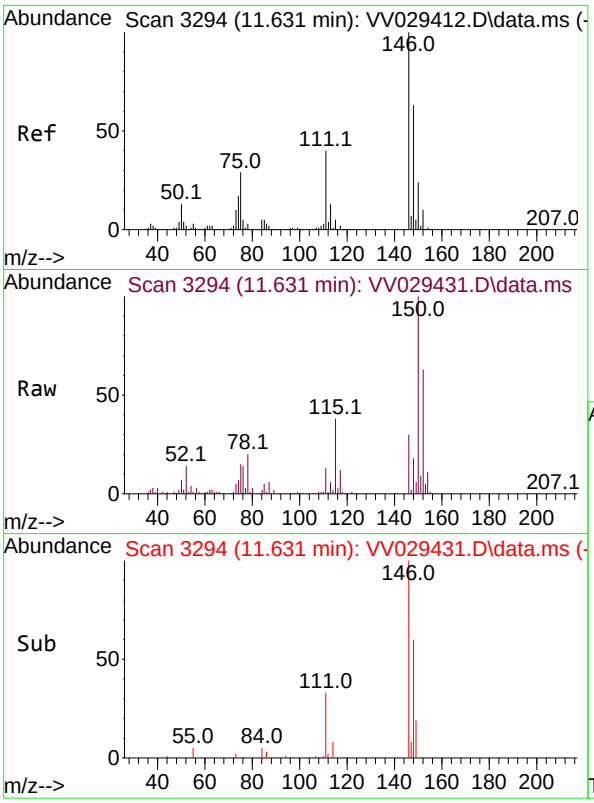




#65
1,4-Dichlorobenzene
Concen: 4.115 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

Tgt Ion:146 Resp: 28428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 26.2 | 48.8 |
| 148 | 62.2 | 44.7 | 83.1 |






#67
1,2-Dichlorobenzene
Concen: 3.716 ug/L
RT: 11.631 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV029431.D
Acq: 07 Dec 2022 20:42

**Instrument :**
MSVOA_V
**ClientSampleId :**
C0AA6

Tgt Ion:146 Resp: 25828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 32.0 | 48.0 |
| 148 | 62.0 | 50.6 | 76.0 |