Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081921\
Data File : VV021891.D
Acq On : 19 Aug 2021 15:11
Operator : SY/MD
Sample : M3464-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** DBKG0

Quant Time: Aug 20 02:18:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 20 02:14:47 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 5.619 | 114 | 460721 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.853 | 117 | 430995 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.252 | 152 | 239437 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 130087 | 36.118 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 72.240% | | | |
| 7) Chloroethane-d5 | 1.561 | 69 | 103968 | 38.252 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 76.500% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.105 | 63 | 161200 | 28.117 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 56.240%# | | | |
| 21) 2-Butanone-d5 | 3.876 | 46 | 192242 | 85.820 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 85.820% | | | |
| 24) Chloroform-d | 4.349 | 84 | 250917 | 40.210 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 80.420% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.034 | 65 | 151719 | 42.268 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 84.540% | | | |
| 32) Benzene-d6 | 5.050 | 84 | 534002 | 43.086 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.180% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.072 | 67 | 165918 | 42.989 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 85.980% | | | |
| 41) Toluene-d8 | 7.317 | 98 | 501660 | 43.792 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.580% | | | |
| 43) trans-1,3-Dichloroprop... | 7.622 | 79 | 74215 | 39.071 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 78.140% | | | |
| 47) 2-Hexanone-d5 | 8.088 | 63 | 134980 | 106.706 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 106.710% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84 | 236100 | 49.364 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 98.720% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.628 | 152 | 203226 | 41.012 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 82.020% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 18) Methyl tert-butyl Ether | 2.770 | 73 | 84864 | 8.635 | ug/L | 99 |
| 33) Benzene | 5.101 | 78 | 252692 | 19.052 | ug/L | 100 |
| 42) Toluene | 7.391 | 91 | 483359 | 34.123 | ug/L | 99 |
| 52) Ethylbenzene | 9.014 | 91 | 2978608 | 197.098 | ug/L | 100 |
| 53) m,p-Xylene | 9.140 | 106 | 457169 | 78.056 | ug/L | 100 |
| 54) o-Xylene | 9.545 | 106 | 239276 | 41.215 | ug/L | 99 |
| 60) Isopropylbenzene | 9.934 | 105 | 55402 | 3.451 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.542 | 105 | 203269 | 15.089 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.915 | 105 | 676009 | 49.355 | ug/L | 100 |

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

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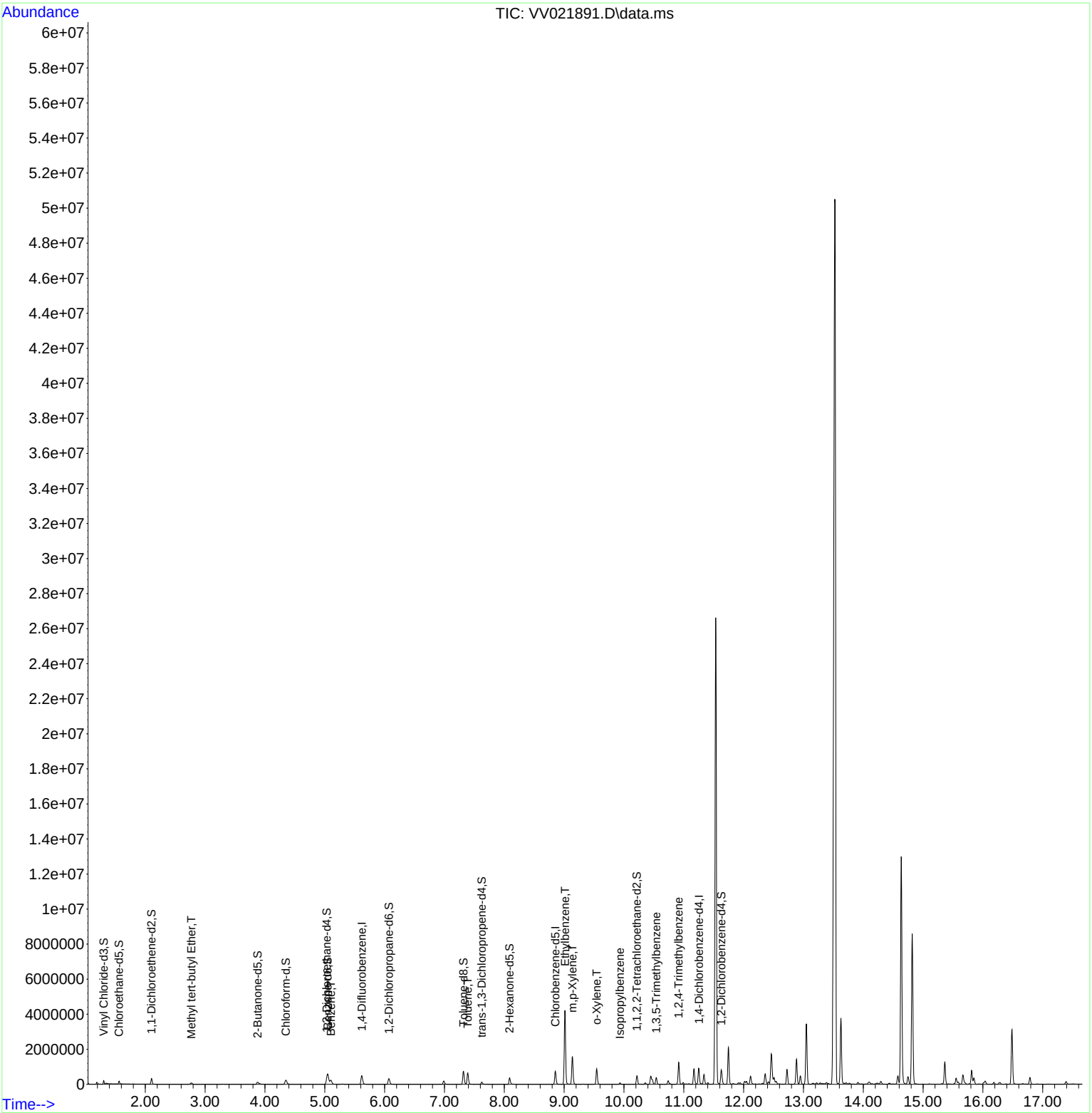
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
DBKG0

Quant Time: Aug 20 02:18:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 20 02:14:47 2021
Response via : Initial Calibration



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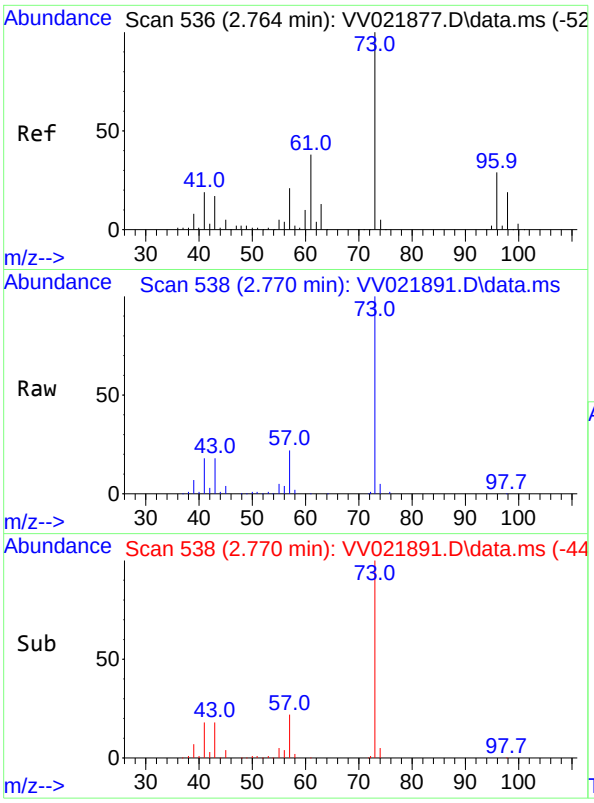
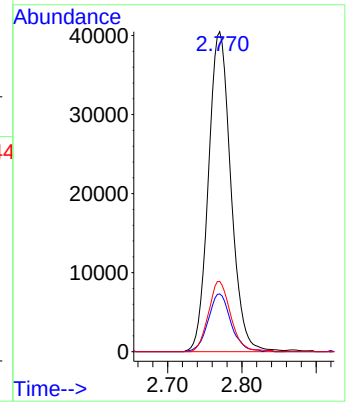
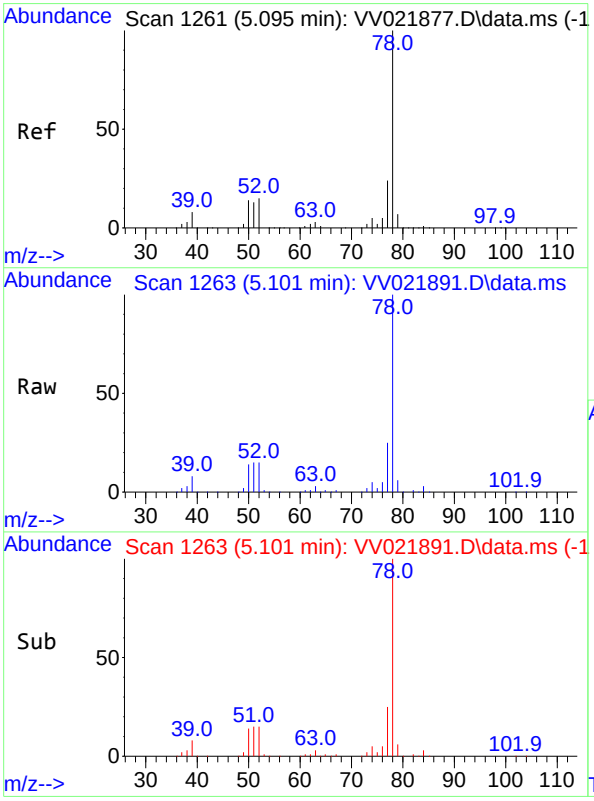



#18
Methyl tert-butyl Ether
Concen: 8.635 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.007 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion: 73 Resp: 84864

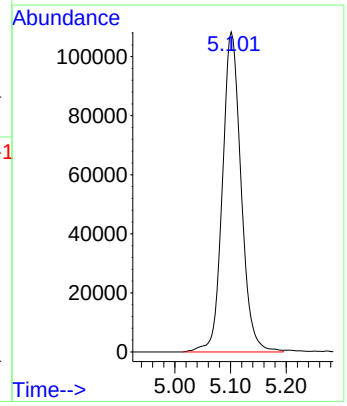
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 18.3 | 14.2 | 21.4 |
| 57 | 21.6 | 17.7 | 26.5 |



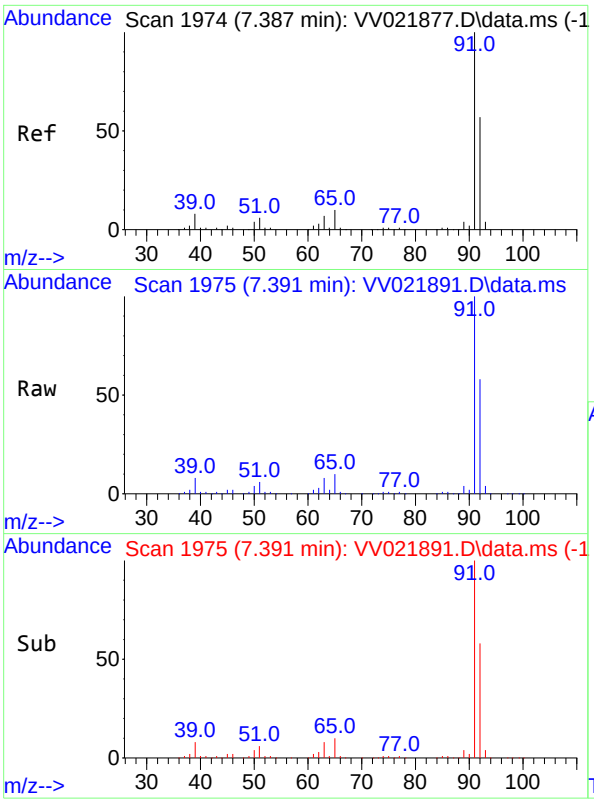




#33
Benzene
Concen: 19.052 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion: 78 Resp: 252692



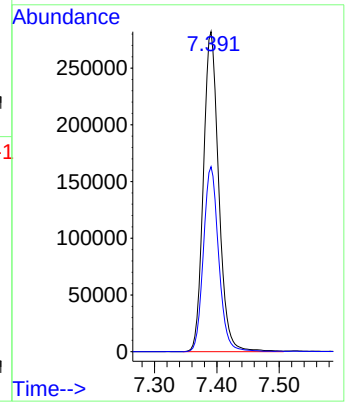
**Instrument :**
MSVOA_V
**ClientSampleId :**
DBKG0

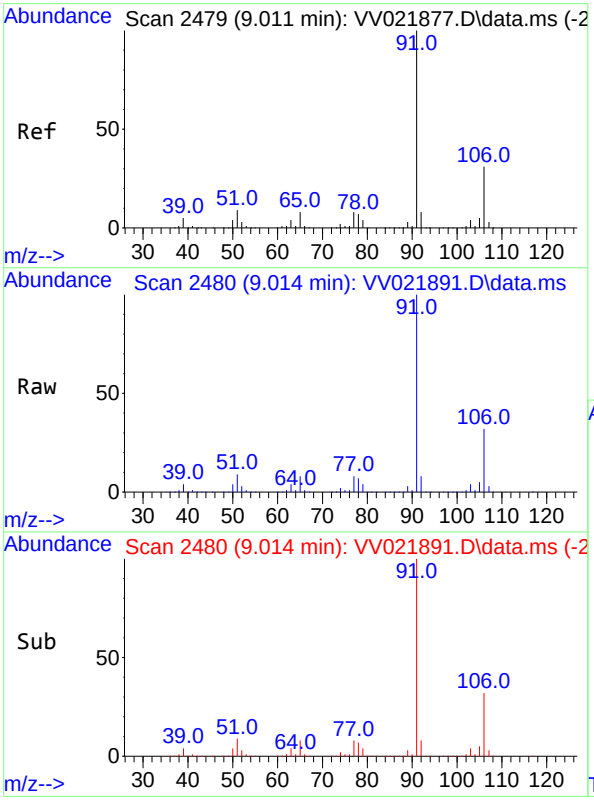



#42
Toluene
Concen: 34.123 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion: 91 Resp: 483359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.8 | 40.1 | 74.5 |

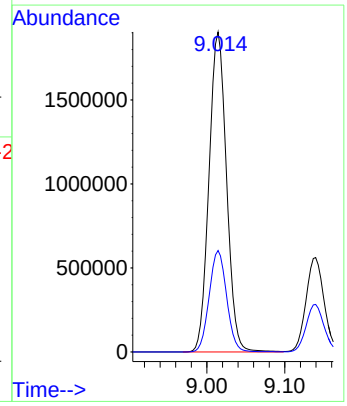



#52
Ethylbenzene
Concen: 197.098 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion: 91 Resp: 2978608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 22.2 | 41.2 |



**Instrument :**
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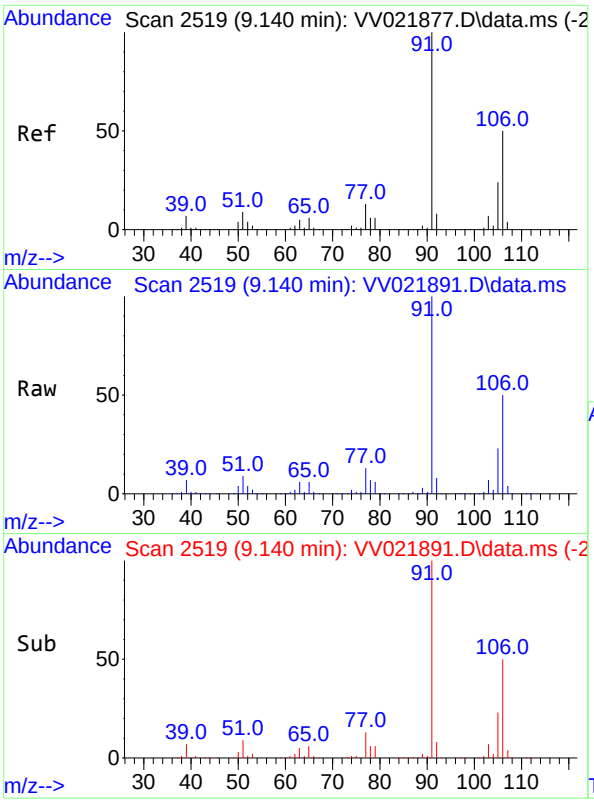
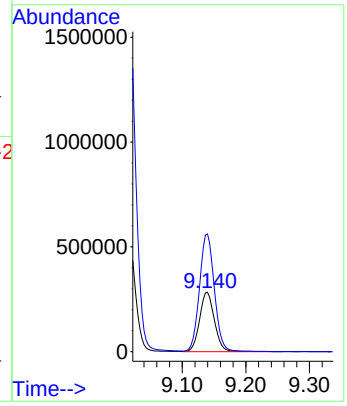
**ClientSampleId :**
DBKG0

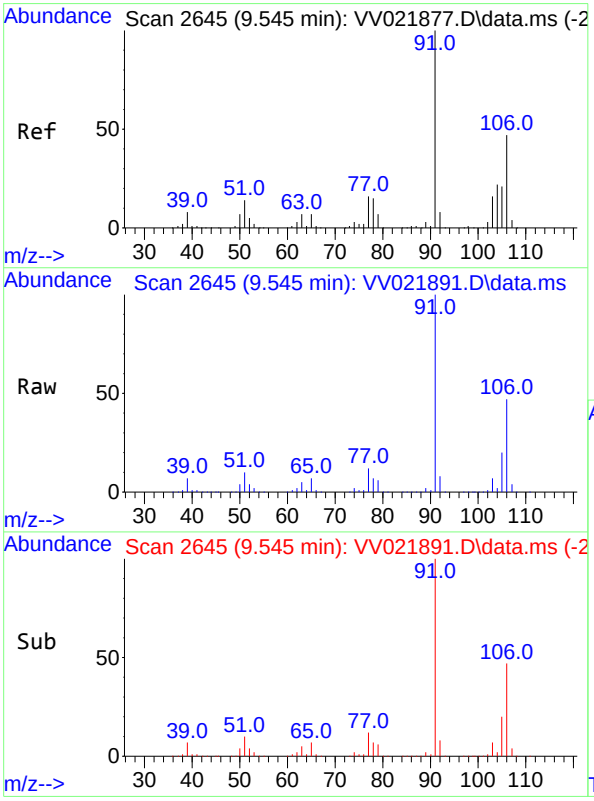



#53
m,p-Xylene
Concen: 78.056 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion:106 Resp: 457169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 198.4 | 139.2 | 258.6 |

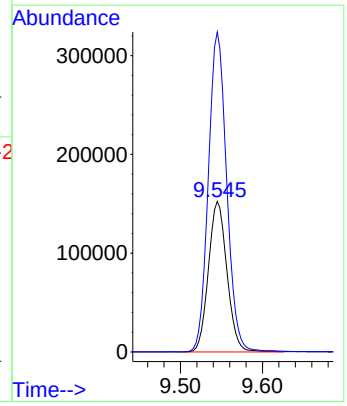



#54
o-Xylene
Concen: 41.215 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion:106 Resp: 239276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.6 | 148.1 | 275.0 |



**Instrument :**
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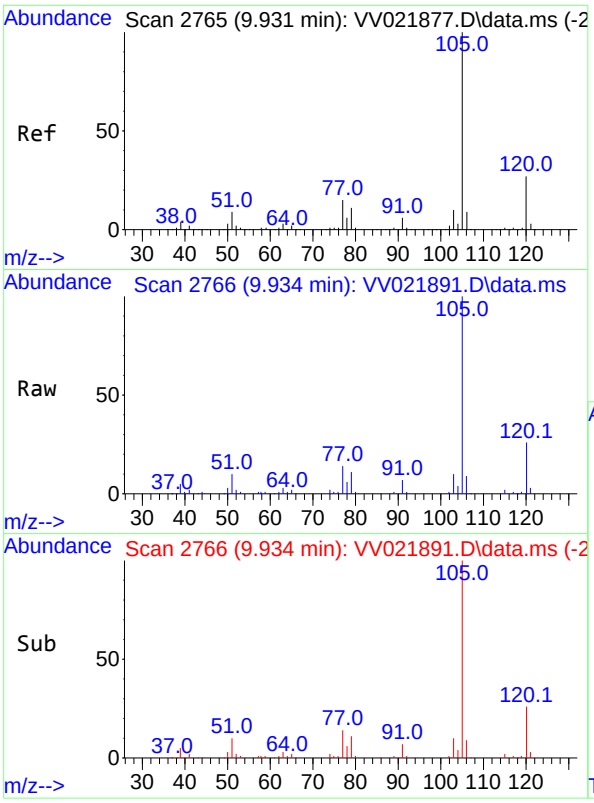
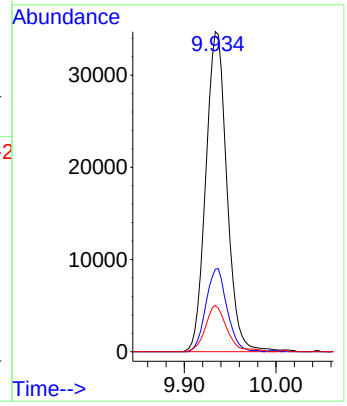
DBKG0

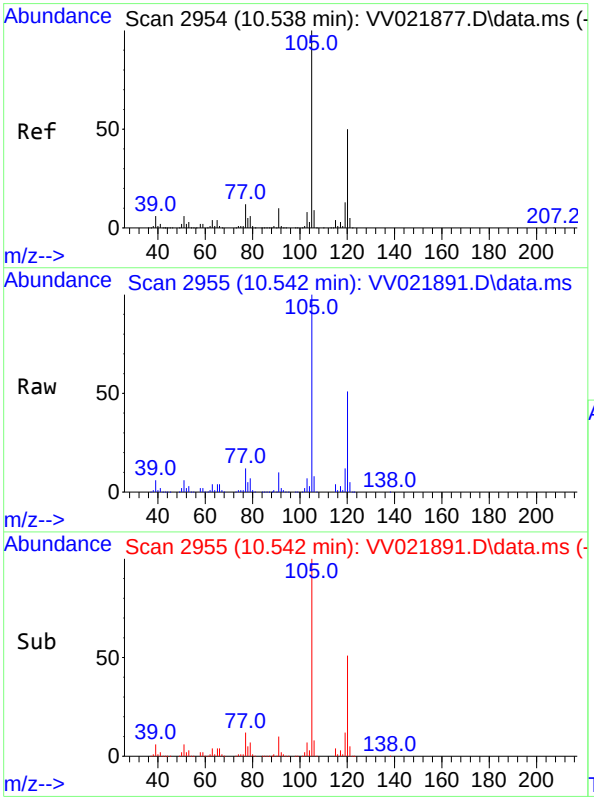



#60
Isopropylbenzene
Concen: 3.451 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion:105 Resp: 55402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 21.3 | 31.9 |
| 77 | 14.5 | 11.8 | 17.8 |

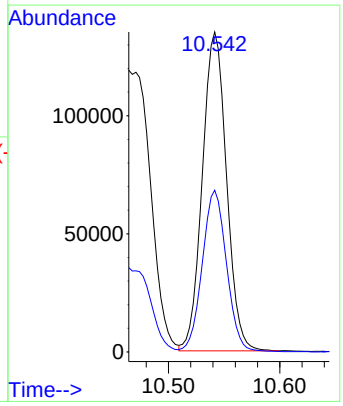


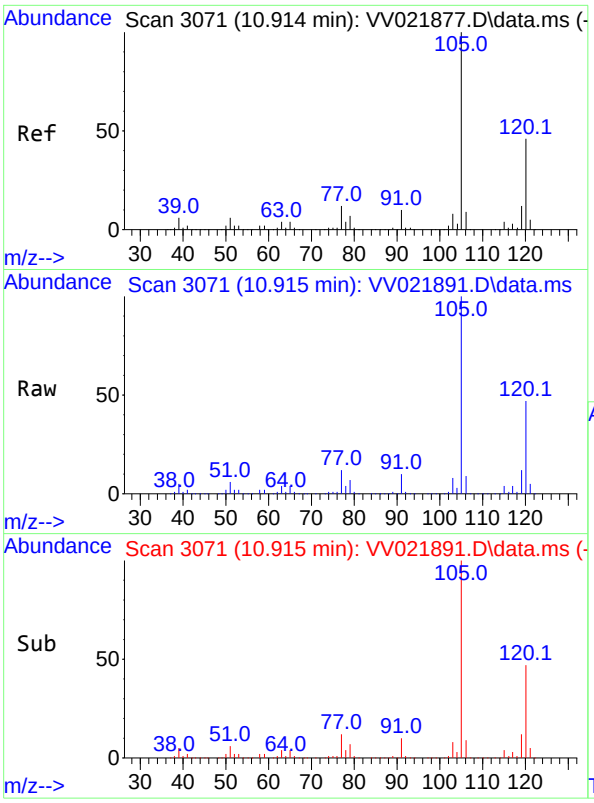




#62
1,3,5-Trimethylbenzene
Concen: 15.089 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion:105 Resp: 203269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.7 | 40.2 | 60.4 |

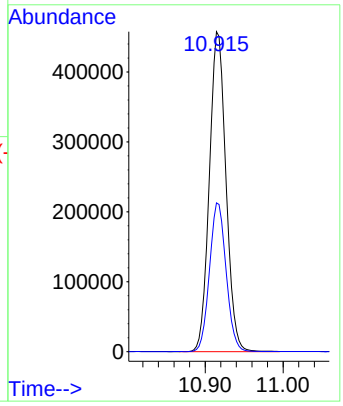





#63
1,2,4-Trimethylbenzene
Concen: 49.355 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV021891.D
Acq: 19 Aug 2021 15:11

Tgt Ion:105 Resp: 676009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.6 | 37.3 | 55.9 |




**Instrument :**
MSVOA_V
**ClientSampleId :**
DBKG0