Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
Data File : VU045140.D
Acq On : 05 Oct 2021 13:24
Operator : SY/MD
Sample : M4000-08DL 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** EW903DL

Quant Time: Oct 06 01:44:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 06 01:40:56 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 287919 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 271966 | 50.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.815 | 152 | 140037 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 122224 | 38.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 77.56% | | | |
| 7) Chloroethane-d5 | 1.899 | 69 | 61016 | 24.43 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 48.86%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 63 | 170694 | 32.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 64.50% | | | |
| 21) 2-Butanone-d5 | 4.632 | 46 | 239037 | 95.93 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 95.93% | | | |
| 24) Chloroform-d | 5.067 | 84 | 214719 | 43.13 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.26% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 154239 | 45.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.48% | | | |
| 32) Benzene-d6 | 5.729 | 84 | 457554 | 48.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 96.96% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.693 | 67 | 146185 | 47.51 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 95.02% | | | |
| 41) Toluene-d8 | 7.902 | 98 | 422180 | 51.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 103.68% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 68654 | 50.16 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 100.32% | | | |
| 47) 2-Hexanone-d5 | 8.642 | 63 | 182912 | 107.26 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 107.26% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84 | 241307 | 50.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 100.72% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 156443 | 51.33 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.66% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 29) Cyclohexane | 5.388 | 56 | 37165 | 9.09 | ug/L | 88 |
| 35) Methylcyclohexane | 6.764 | 83 | 153478 | 37.84 | ug/L | 95 |
| 42) Toluene | 7.973 | 91 | 9002 | 0.88 | ug/L | 98 |
| 52) Ethylbenzene | 9.574 | 91 | 111940 | 10.34 | ug/L | 99 |
| 53) m,p-Xylene | 9.693 | 106 | 145612 | 35.50 | ug/L | 99 |
| 54) o-xylene | 10.105 | 106 | 5991 | 1.49 | ug/L | 99 |
| 61) Isopropylbenzene | 10.488 | 105 | 49173 | 4.80 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 135443 | 15.82 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.471 | 105 | 322783 | 36.83 | ug/L | 100 |

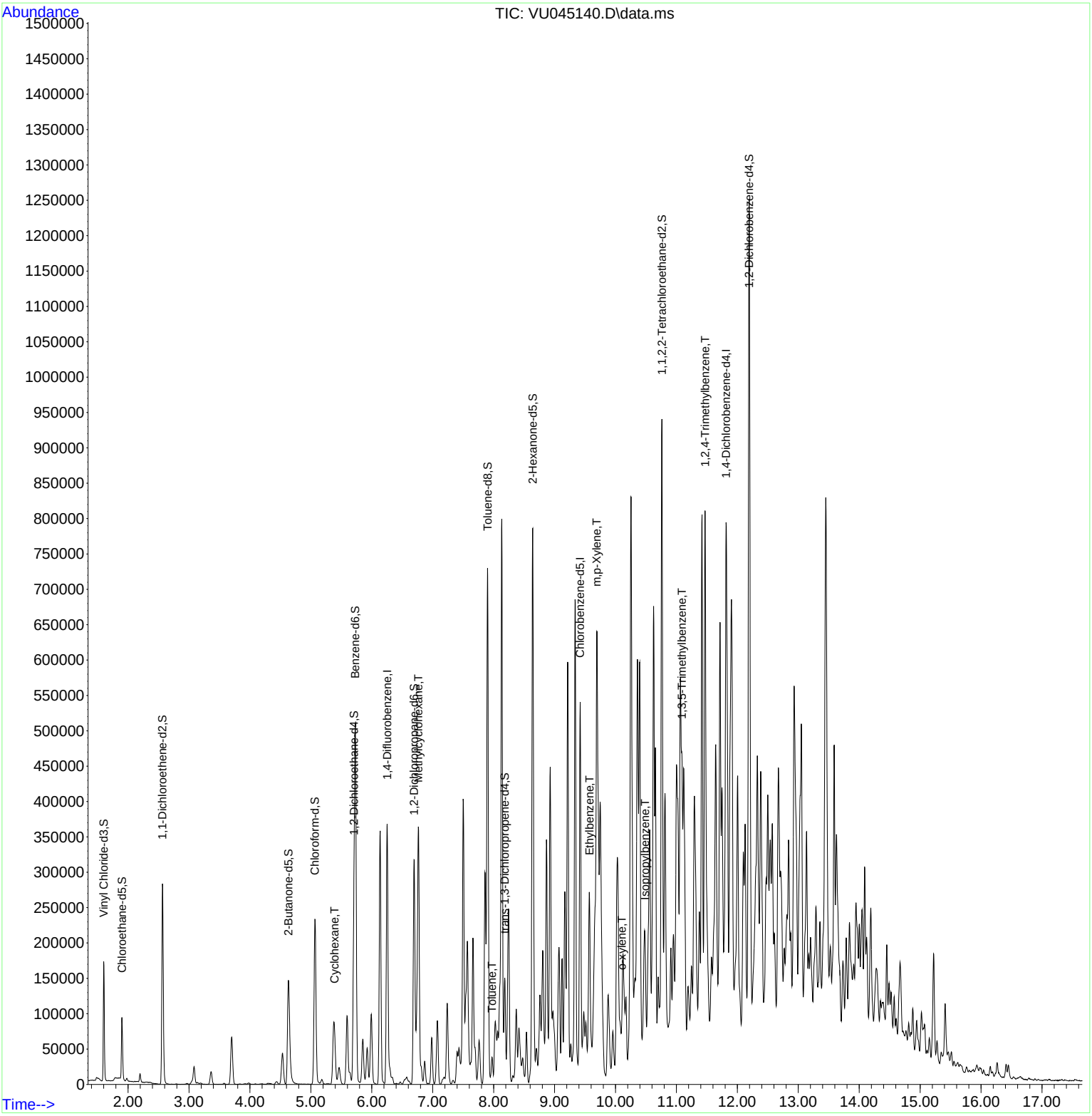
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
Data File : VU045140.D
Acq On : 05 Oct 2021 13:24
Operator : SY/MD
Sample : M4000-08DL 20X
Misc : 5.04g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW903DL

Quant Time: Oct 06 01:44:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 06 01:40:56 2021
Response via : Initial Calibration



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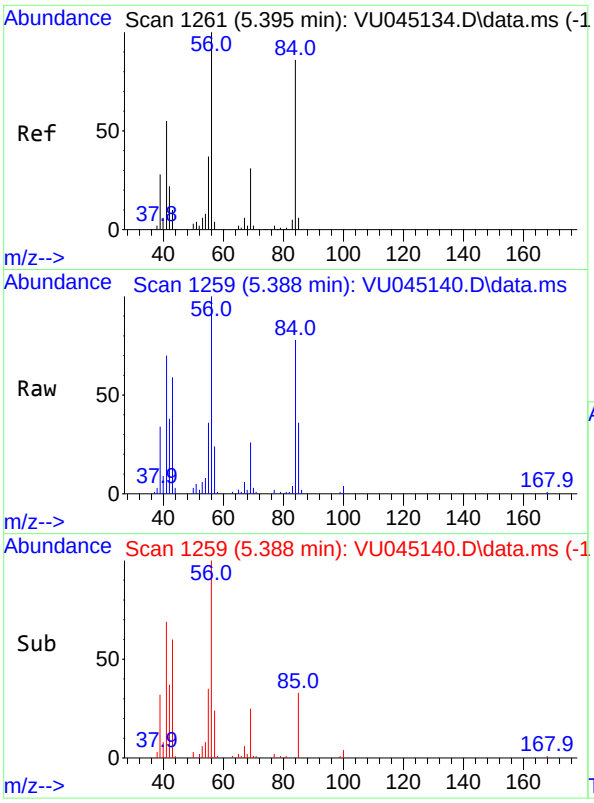
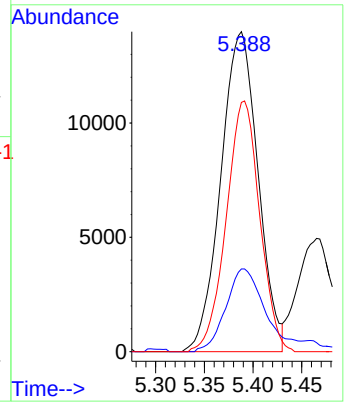
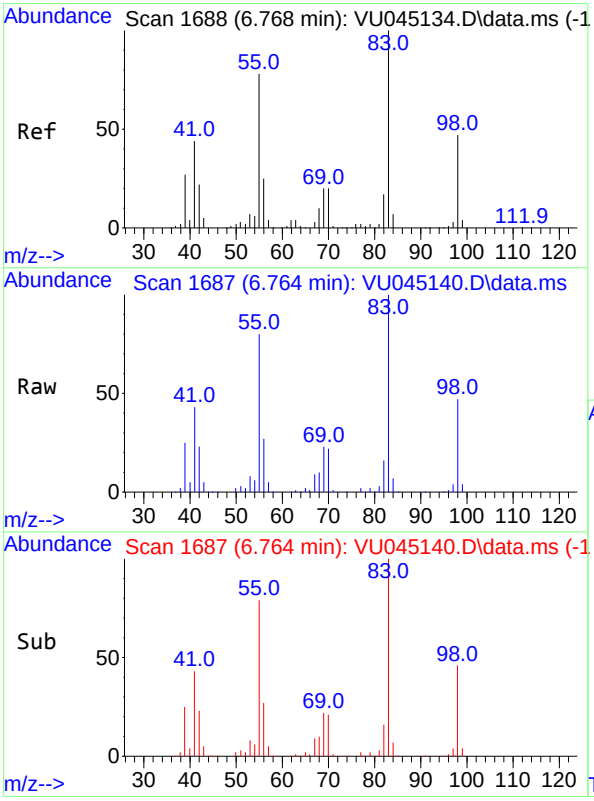



#29
Cyclohexane
Concen: 9.09 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.007 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 56 Resp: 37165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.5 | 23.8 | 35.8 |
| 84 | 70.5 | 66.8 | 100.2 |

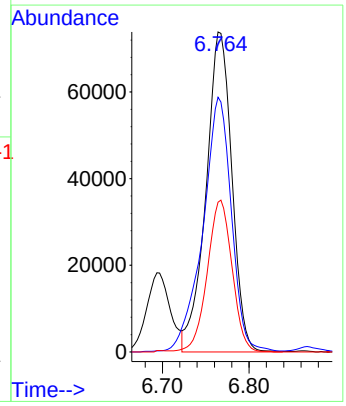


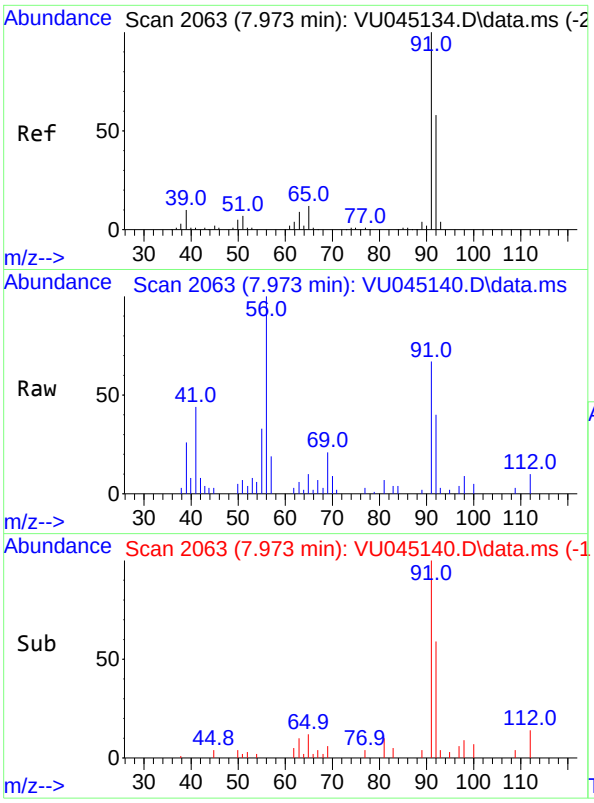

#35
Methylcyclohexane
Concen: 37.84 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 83 Resp: 153478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 88.0 | 65.8 | 98.6 |
| 98 | 45.1 | 37.1 | 55.7 |



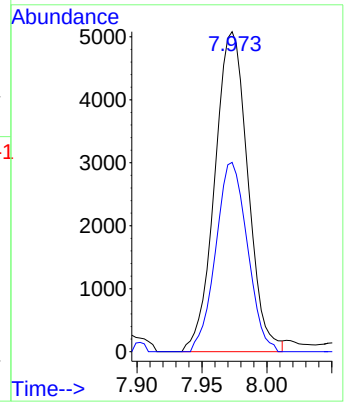
**Instrument :**
MSVOA_U
**ClientSampleId :**
EW903DL

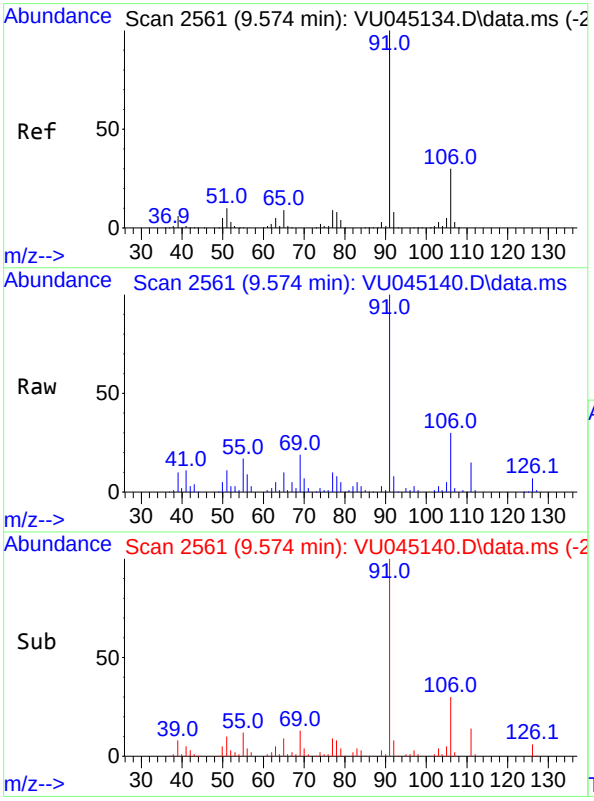



#42
Toluene
Concen: 0.88 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 91 Resp: 9002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.2 | 40.5 | 75.1 |

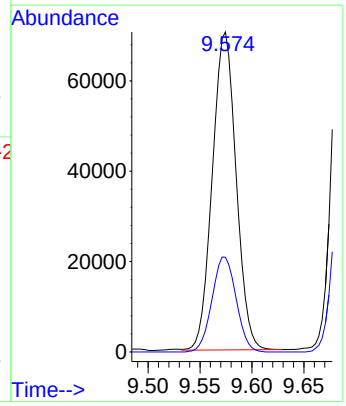


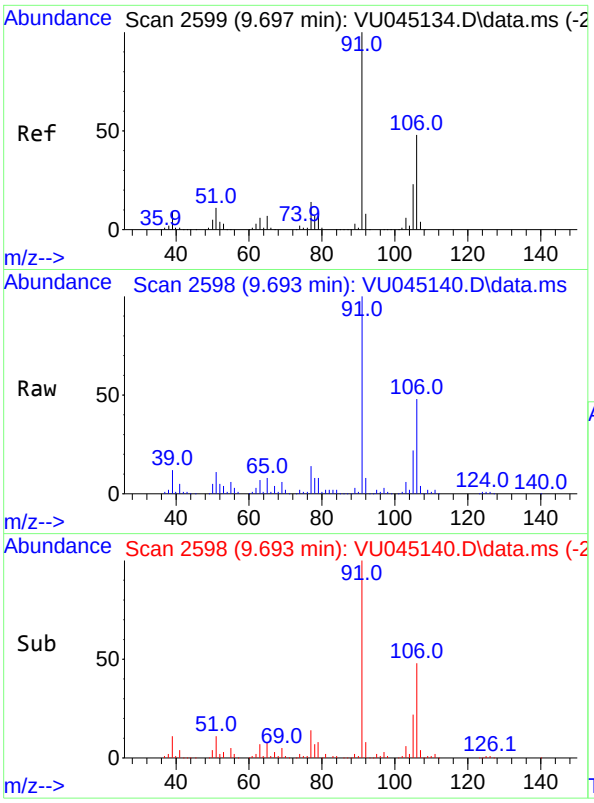

#52
Ethylbenzene
Concen: 10.34 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion: 91 Resp: 111940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.6 | 21.2 | 39.4 |



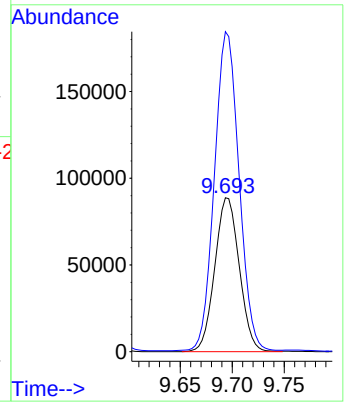
**Instrument :**
MSVOA_U
**ClientSampleId :**
EW903DL

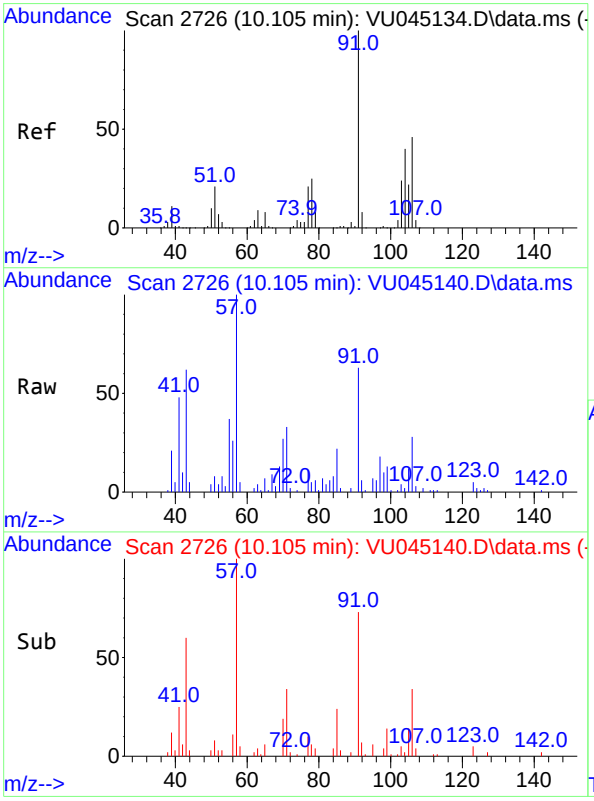



#53
m,p-Xylene
Concen: 35.50 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:106 Resp: 145612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 146.7 | 272.4 |

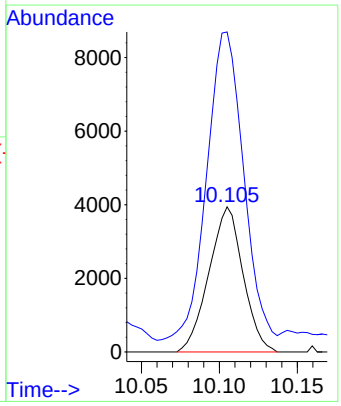


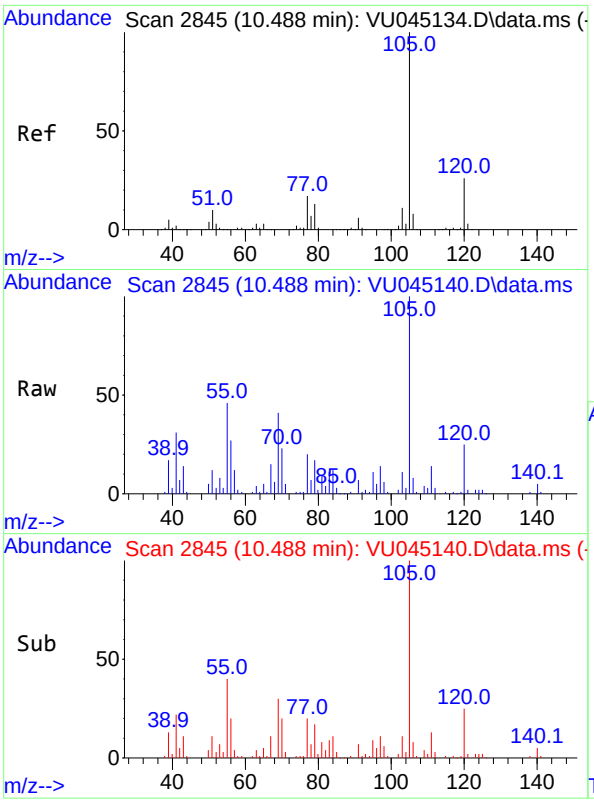

#54
o-xylene
Concen: 1.49 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:106 Resp: 5991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.6 | 152.9 | 283.9 |



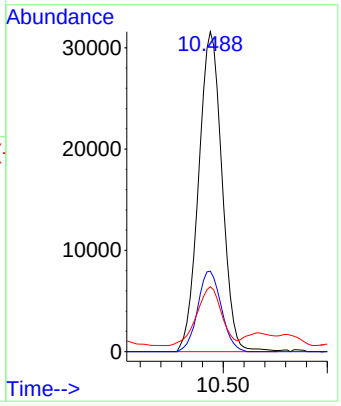
**Instrument :**
MSVOA_U
**ClientSampleId :**
EW903DL

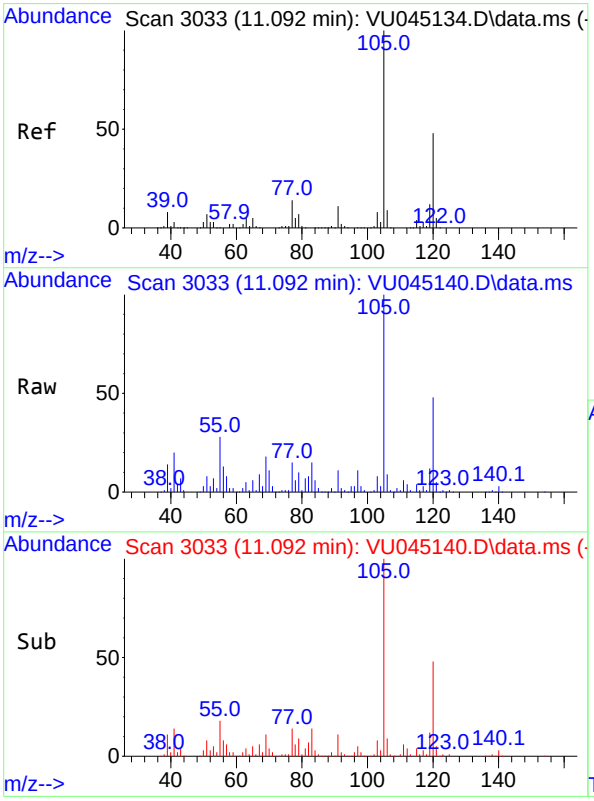



#61
Isopropylbenzene
Concen: 4.80 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:105 Resp: 49173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 20.5 | 30.7 |
| 77 | 19.2 | 13.5 | 20.3 |

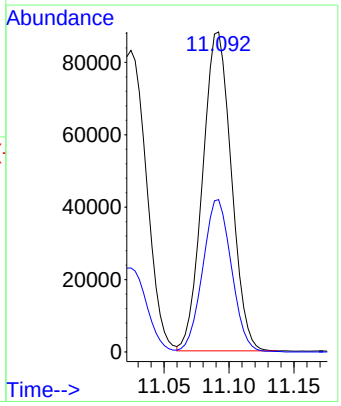


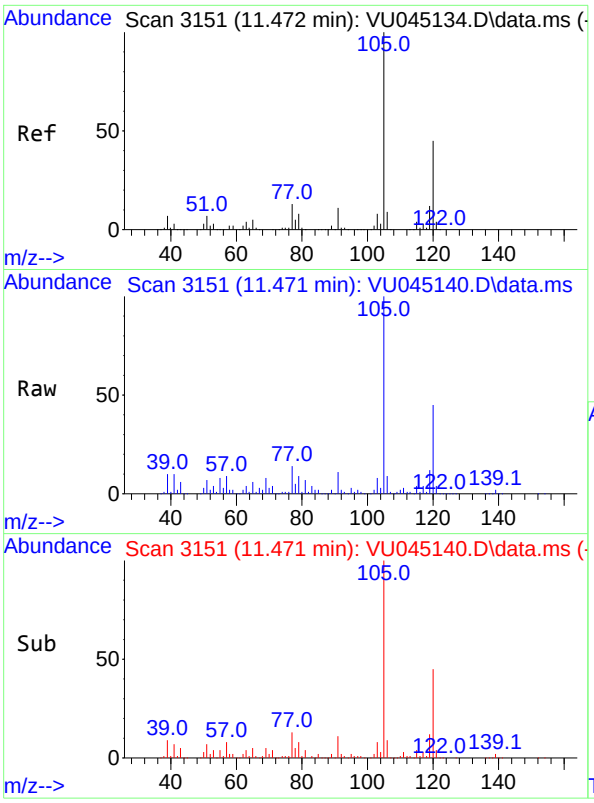




#62
1,3,5-Trimethylbenzene
Concen: 15.82 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:105 Resp: 135443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 38.8 | 58.2 |

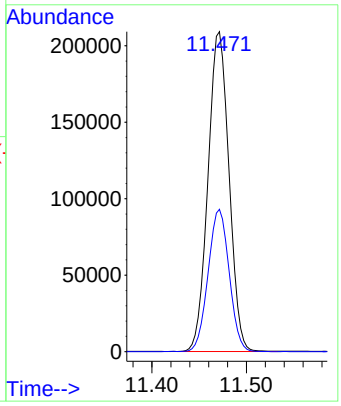





#63
1,2,4-Trimethylbenzene
Concen: 36.83 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045140.D
Acq: 05 Oct 2021 13:24

Tgt Ion:105 Resp: 322783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 35.7 | 53.5 |




**Instrument :**
MSVOA_U
**ClientSampleId :**
EW903DL