Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
Data File : VU051938.D
Acq On : 19 Nov 2022 07:36
Operator : JC/MD
Sample : N5685-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Quant Time: Nov 19 21:41:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 19 21:39:41 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.247 | 114 | 256314 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.414 | 117 | 242726 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 109060 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 105371 | 4.226 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.600% | | | |
| 7) Chloroethane-d5 | 1.912 | 69 | 84879 | 4.383 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 87.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.568 | 65 | 38637 | 4.323 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 86.400% | | | |
| 20) 2-Butanone-d5 | 4.617 | 46 | 218413 | 48.330 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 96.660% | | | |
| 24) Chloroform-d | 5.060 | 84 | 161992 | 4.422 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 81395 | 4.399 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.000% | | | |
| 32) Benzene-d6 | 5.726 | 84 | 353203 | 4.901 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.687 | 67 | 109954 | 4.930 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 98.600% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 311063 | 4.771 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.179 | 79 | 38194 | 4.700 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 94.000% | | | |
| 46) 2-Hexanone-d5 | 8.629 | 63 | 181179 | 52.607 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.220% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84 | 96046 | 4.967 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 111920 | 5.360 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 107.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 30) Cyclohexane | 5.388 | 56 | 193161 | 7.387 | ug/L # | 91 |
| 33) Benzene | 5.774 | 78 | 16028 | 0.203 | ug/L | 100 |
| 35) Methylcyclohexane | 6.761 | 83 | 214445 | 7.566 | ug/L | 93 |
| 47) Tetrachloroethene | 8.552 | 164 | 4613 | 0.305 | ug/L | 96 |
| 52) Ethylbenzene | 9.568 | 91 | 6702 | 0.085 | ug/L | 93 |
| 53) m,p-Xylene | 9.697 | 106 | 9733 | 0.318 | ug/L | 96 |
| 60) Isopropylbenzene | 10.481 | 105 | 75359 | 1.100 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 11.086 | 105 | 68858 | 1.257 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.465 | 105 | 68207 | 1.255 | ug/L | 98 |

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

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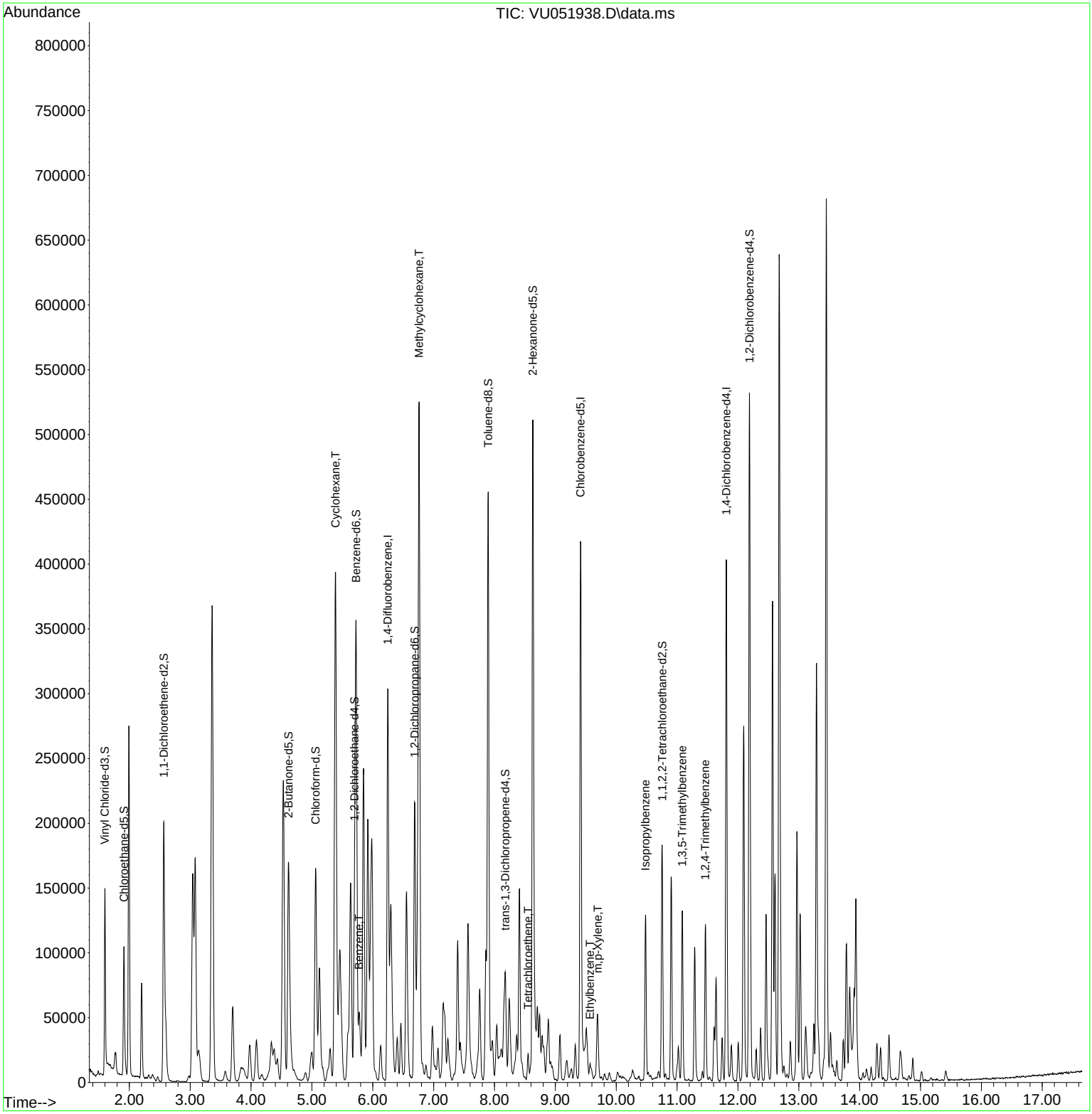
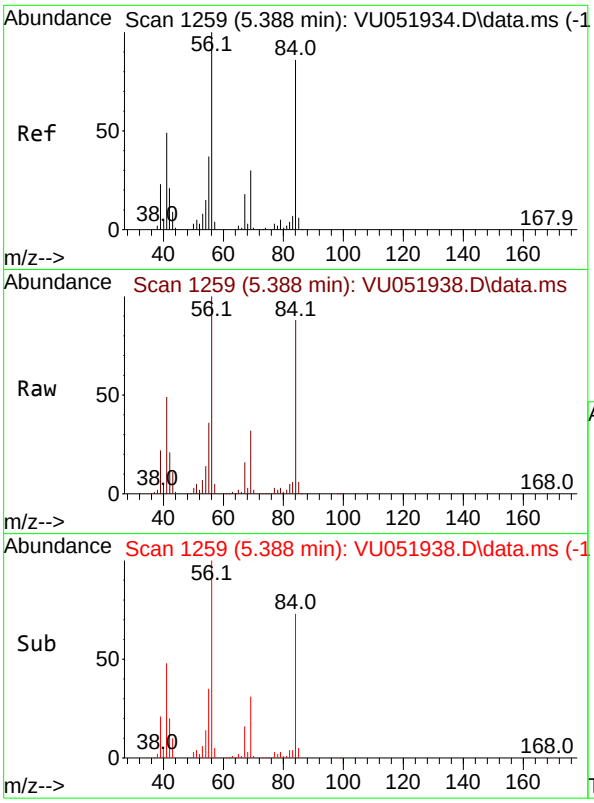
Operator : JC/MD
Sample : N5685-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Quant Time: Nov 19 21:41:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 19 21:39:41 2022
Response via : Initial Calibration



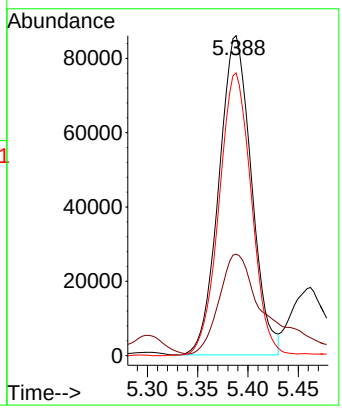


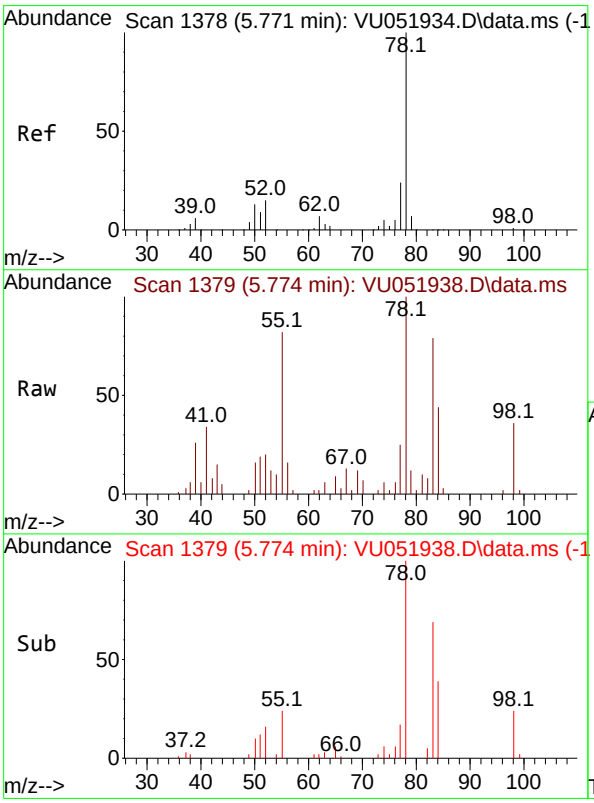

#30
Cyclohexane
Concen: 7.387 ug/L
RT: 5.388 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Tgt Ion: 56 Resp: 193161

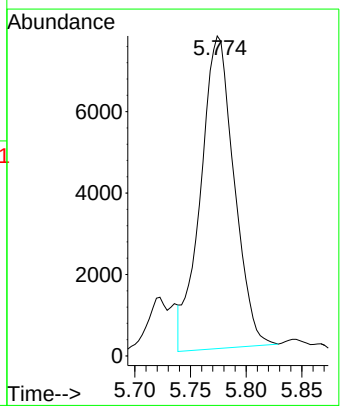
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 48.6 | 25.6 | 38.4# |
| 84 | 88.2 | 72.0 | 108.0 |

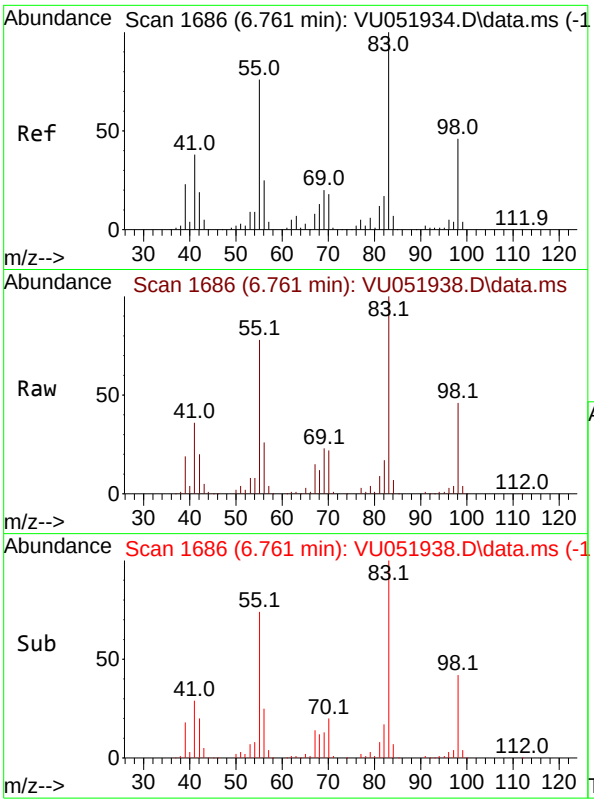



#33
Benzene
Concen: 0.203 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.003 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion: 78 Resp: 16028



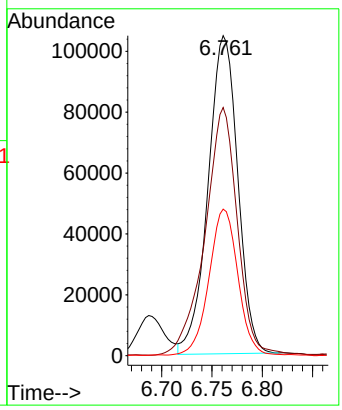


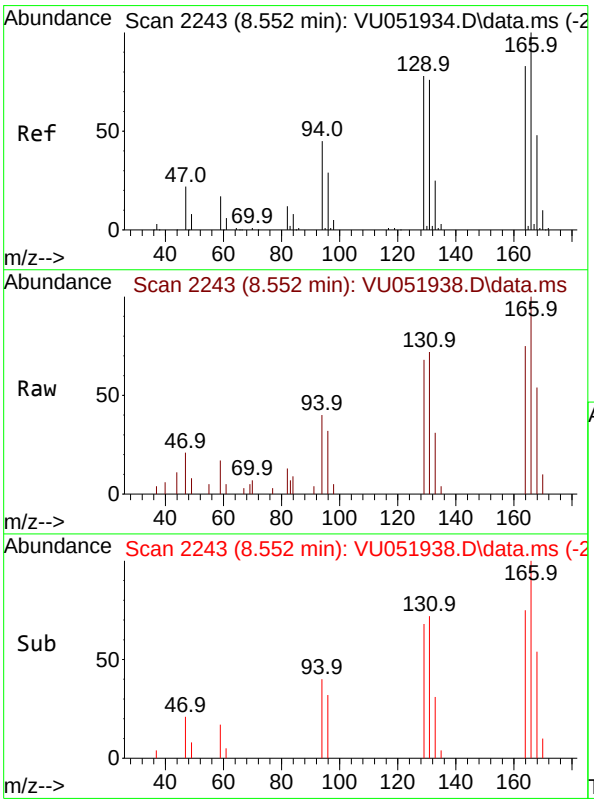

#35
Methylcyclohexane
Concen: 7.566 ug/L
RT: 6.761 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Tgt Ion: 83 Resp: 214445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 84.9 | 60.8 | 91.2 |
| 98 | 44.6 | 35.1 | 52.7 |

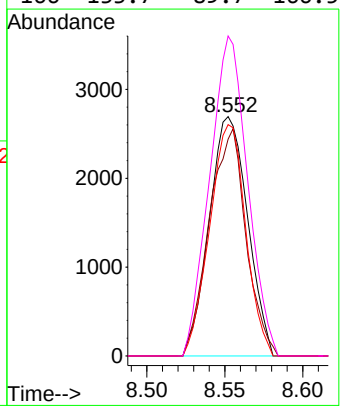


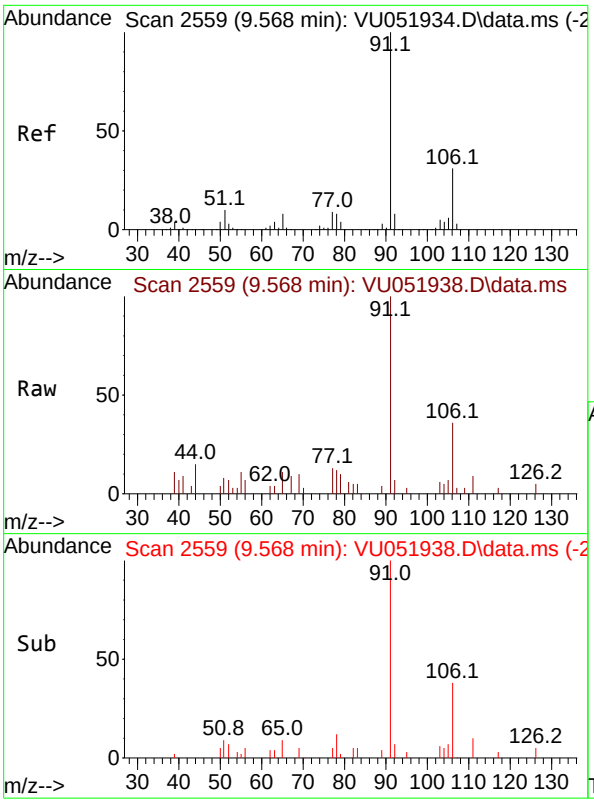




#47
Tetrachloroethene
Concen: 0.305 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion:164 Resp: 4613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.6 | 67.4 | 125.2 |
| 131 | 96.7 | 67.1 | 124.7 |
| 166 | 133.7 | 89.7 | 166.5 |



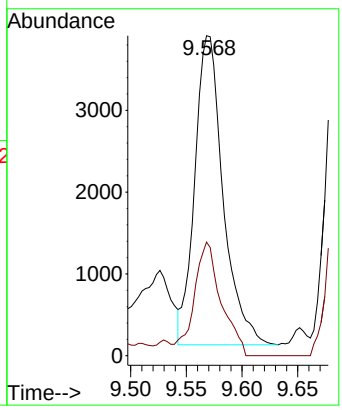


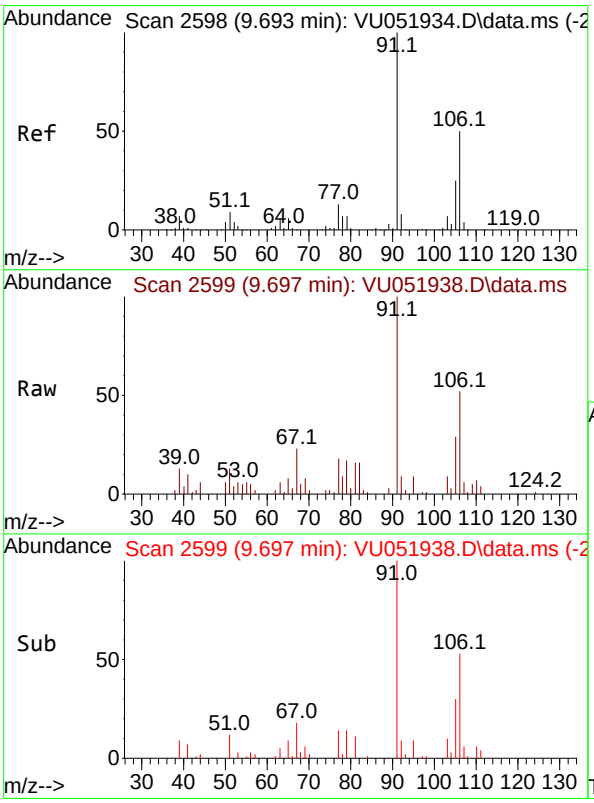

#52
Ethylbenzene
Concen: 0.085 ug/L
RT: 9.568 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Tgt Ion: 91 Resp: 6702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 35.5 | 22.3 | 41.3 |

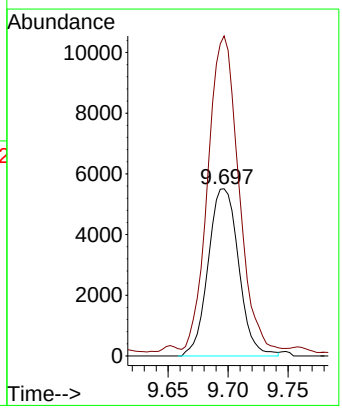


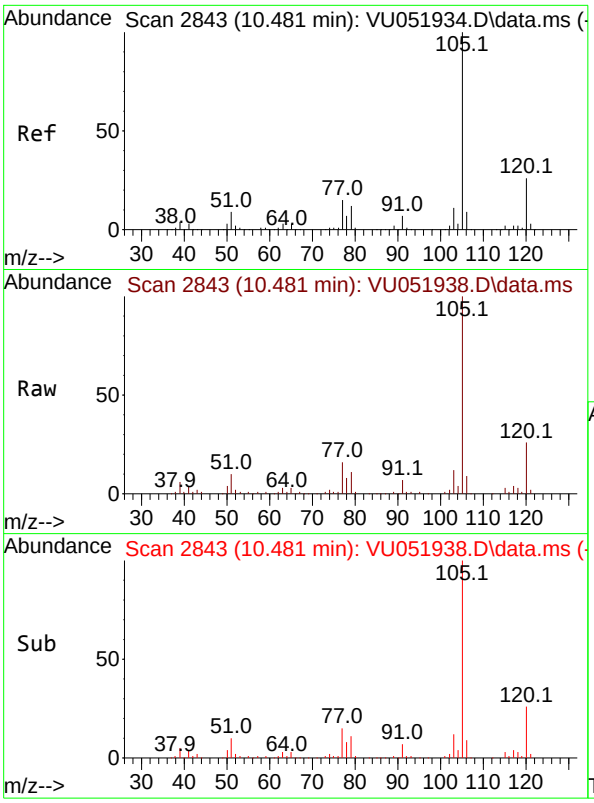




#53
m,p-Xylene
Concen: 0.318 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion:106 Resp: 9733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 191.4 | 137.7 | 255.7 |



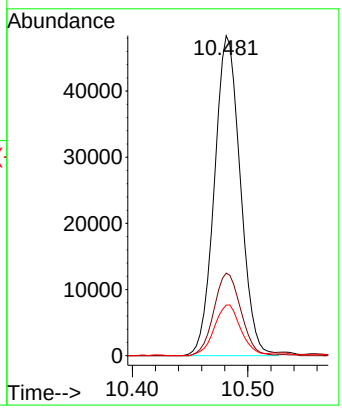


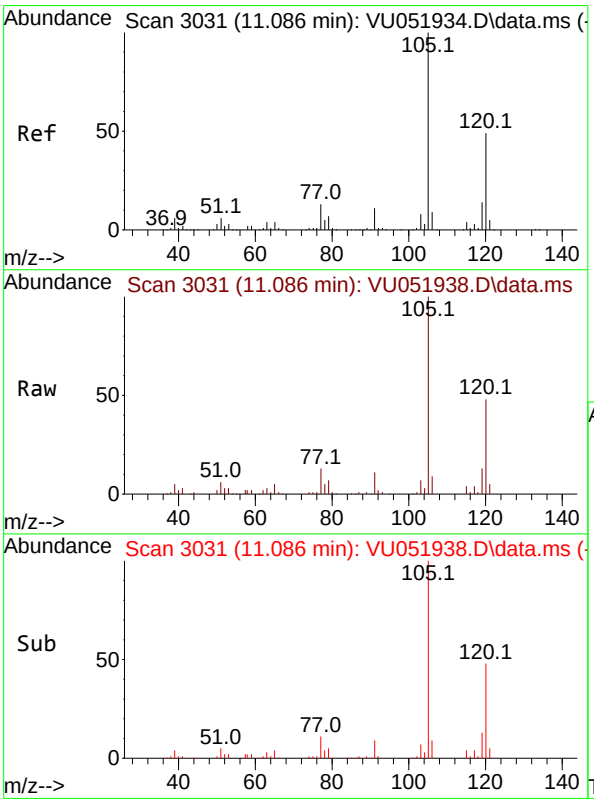

#60
Isopropylbenzene
Concen: 1.100 ug/L
RT: 10.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Tgt Ion:105 Resp: 75359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 21.0 | 31.6 |
| 77 | 16.2 | 12.5 | 18.7 |

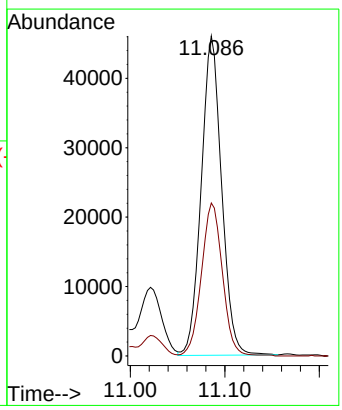


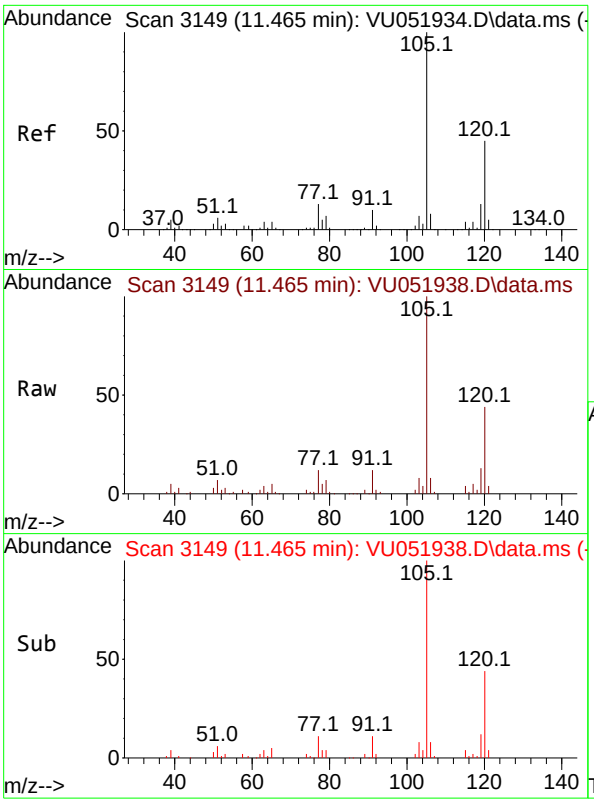




#62
1,3,5-Trimethylbenzene
Concen: 1.257 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

Tgt Ion:105 Resp: 68858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 38.7 | 58.1 |






#63
1,2,4-Trimethylbenzene
Concen: 1.255 ug/L
RT: 11.465 min Scan# 3
Delta R.T. 0.000 min
Lab File: VU051938.D
Acq: 19 Nov 2022 07:36

**Instrument :**
MSVOA_U
**ClientSampleId :**
EW707

Tgt Ion:105 Resp: 68207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 36.6 | 55.0 |