Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091123\
Data File : VV032017.D
Acq On : 11 Sep 2023 11:31
Operator : SY/MD
Sample : 04307-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BH4P7

Quant Time: Sep 12 05:59:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 09 21:51:31 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.539 | 114 | 119038 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.789 | 117 | 117585 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.191 | 152 | 63301 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.278 | 65 | 20897 | 5.198 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 104.000% | | | |
| 7) Chloroethane-d5 | 1.532 | 69 | 26173 | 5.683 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 113.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.060 | 65 | 11826 | 4.998 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 100.000% | | | |
| 20) 2-Butanone-d5 | 3.812 | 46 | 110332 | 56.691 | ug/L | 0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 113.380% | | | |
| 24) Chloroform-d | 4.256 | 84 | 62843 | 4.618 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.950 | 65 | 33057 | 4.715 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.200% | | | |
| 32) Benzene-d6 | 4.966 | 84 | 124066 | 4.637 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.800% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.992 | 67 | 44733 | 4.741 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.800% | | | |
| 41) Toluene-d8 | 7.249 | 98 | 106729 | 4.299 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 86.000% | | | |
| 43) trans-1,3-Dichloroprop... | 7.564 | 79 | 11200 | 3.255 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 65.200% | | | |
| 46) 2-Hexanone-d5 | 8.030 | 63 | 83286 | 45.402 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 90.800% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84 | 30055 | 4.440 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 88.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.564 | 152 | 40309 | 3.932 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 78.600%# | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.217 | 50 | 1583 | 0.217 | ug/L | 89 |
| 13) Acetone | 2.140 | 43 | 60306 | 52.588 | ug/L | 77 |
| 15) Methyl Acetate | 2.388 | 43 | 18598 | 7.958 | ug/L | 98 |
| 16) Methylene chloride | 2.449 | 84 | 5461 | 0.627 | ug/L | 89 |
| 40) 4-Methyl-2-pentanone | 7.178 | 43 | 7141 | 1.527 | ug/L # | 87 |
| 42) Toluene | 7.330 | 91 | 4174 | 0.139 | ug/L | 92 |
| 53) m,p-Xylene | 9.088 | 106 | 849 | 0.065 | ug/L | 69 |
| 55) Styrene | 9.513 | 104 | 2004 | 0.092 | ug/L | 84 |

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

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**Instrument :**
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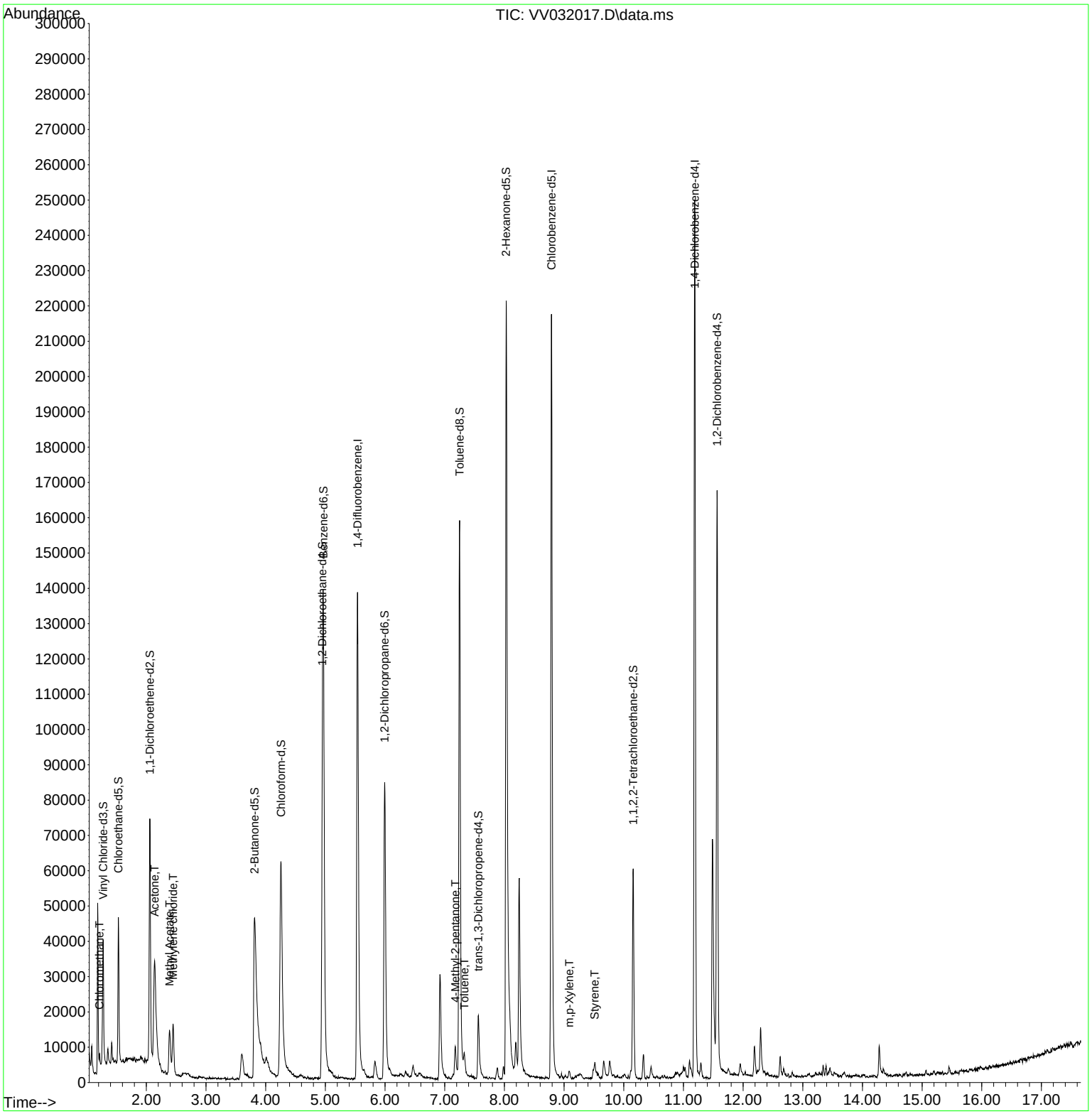
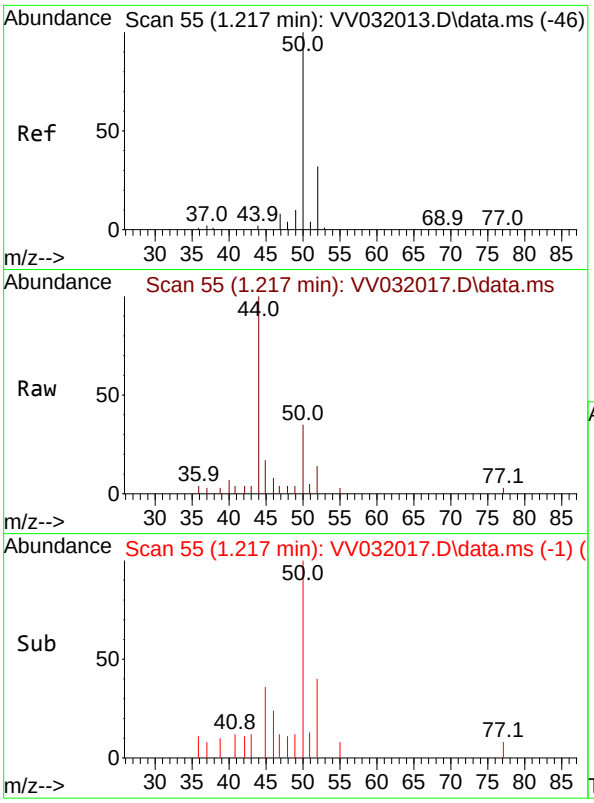
**ClientSampleId :**
BH4P7

Quant Time: Sep 12 05:59:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 09 21:51:31 2023
Response via : Initial Calibration



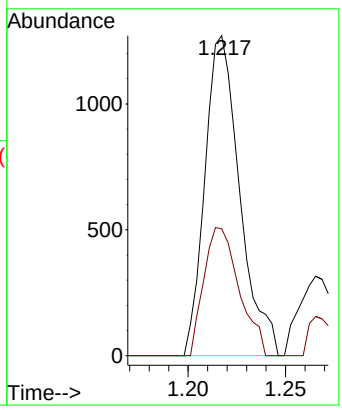


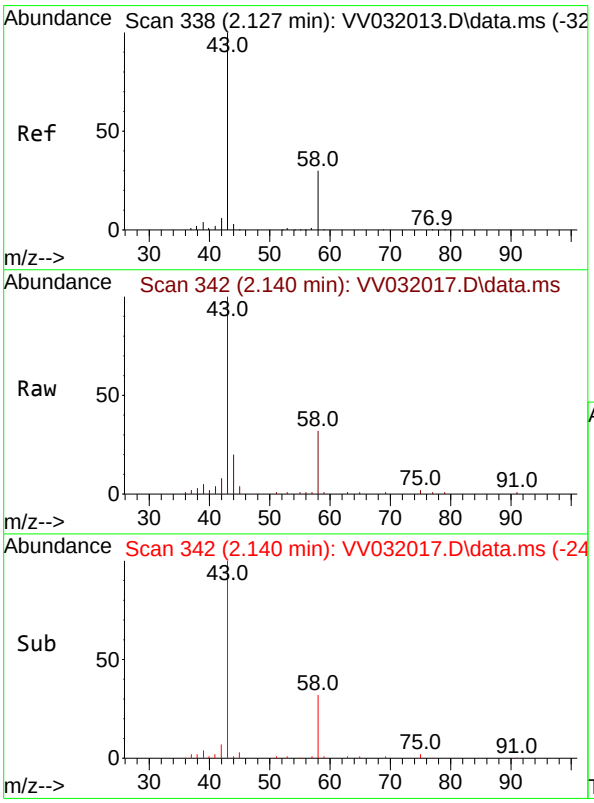

#3
Chloromethane
Concen: 0.217 ug/L
RT: 1.217 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
BH4P7

Tgt Ion: 50 Resp: 1583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 39.7 | 23.3 | 43.3 |

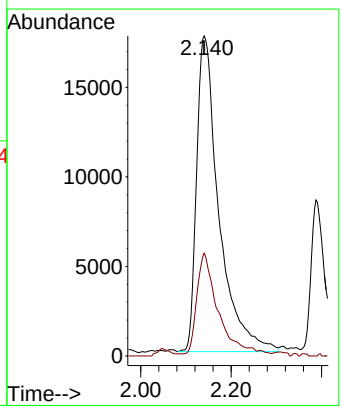


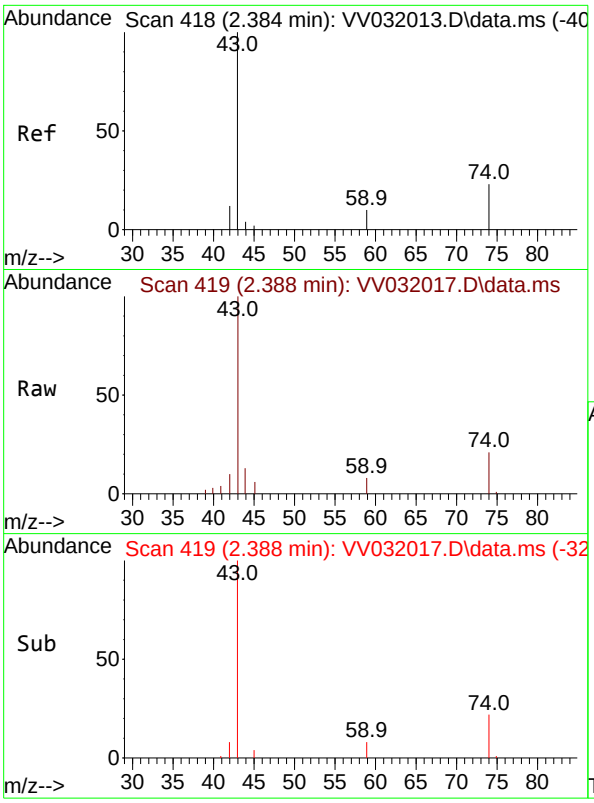




#13
Acetone
Concen: 52.588 ug/L
RT: 2.140 min Scan# 342
Delta R.T. 0.013 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

Tgt Ion: 43 Resp: 60306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 0.0 | 37.0 |



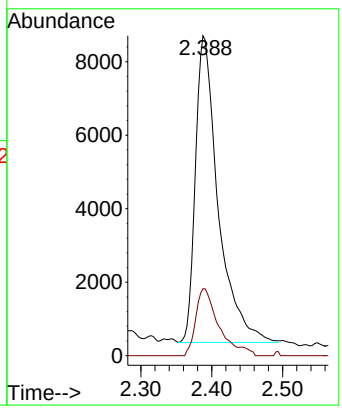


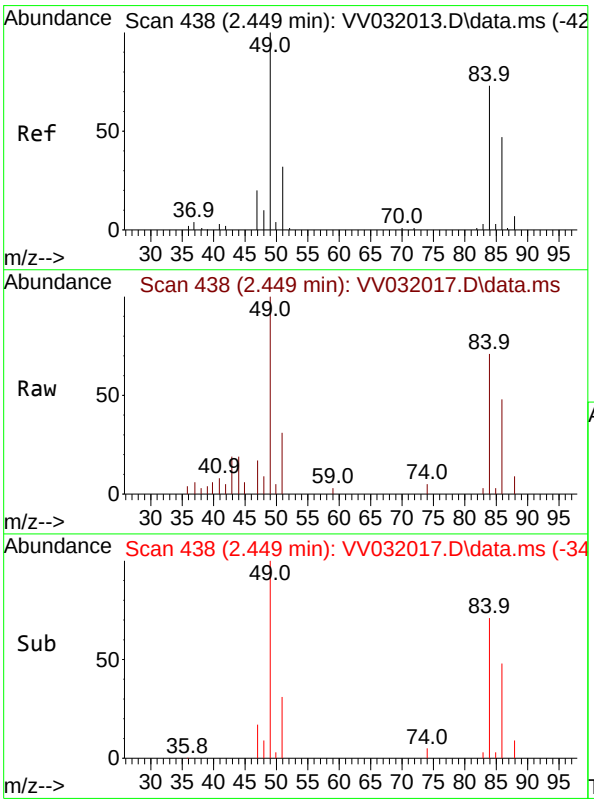

#15
Methyl Acetate
Concen: 7.958 ug/L
RT: 2.388 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
BH4P7

Tgt Ion: 43 Resp: 18598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.2 | 18.3 | 27.5 |

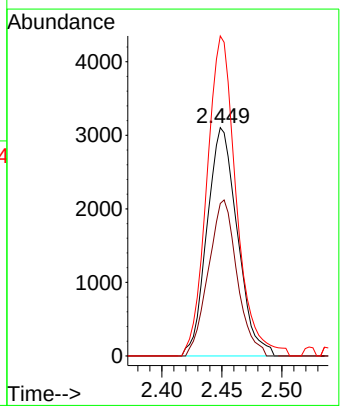


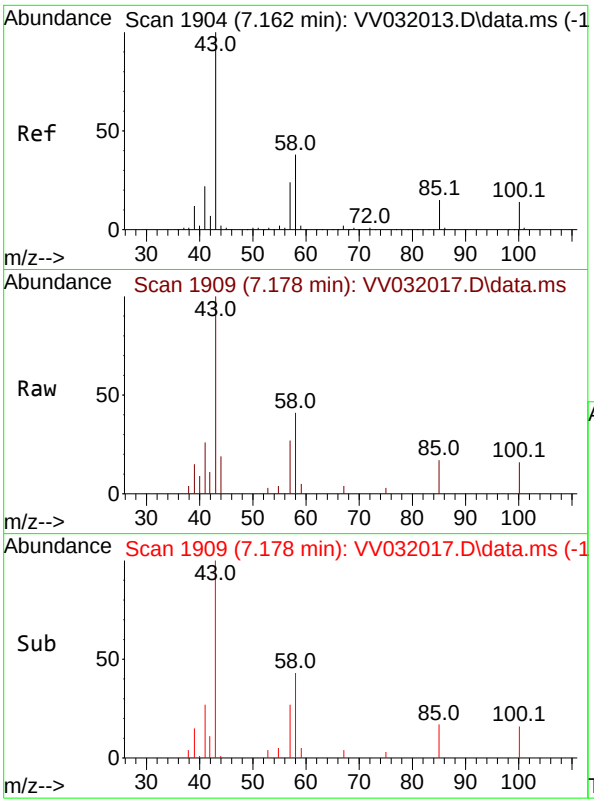




#16
Methylene chloride
Concen: 0.627 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

Tgt Ion: 84 Resp: 5461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 66.8 | 42.6 | 79.2 |
| 49 | 140.1 | 88.5 | 164.4 |



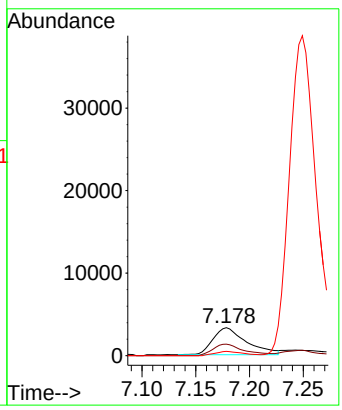


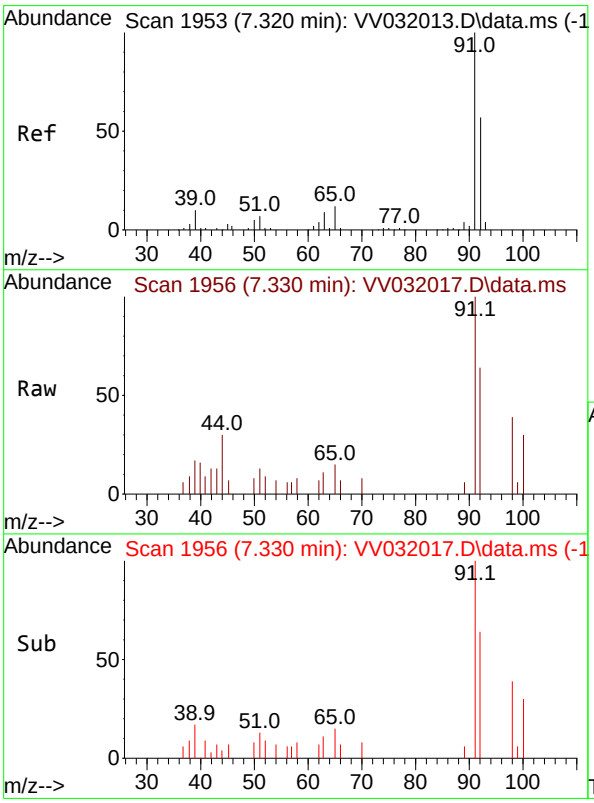

#40
4-Methyl-2-pentanone
Concen: 1.527 ug/L
RT: 7.178 min Scan# 1
Delta R.T. 0.016 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
BH4P7

Tgt Ion: 43 Resp: 7141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.3 | 29.0 | 43.6 |
| 100 | 0.0 | 10.7 | 16.1# |

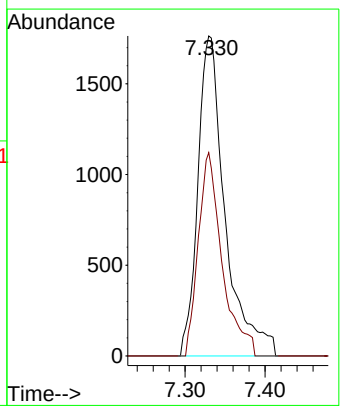


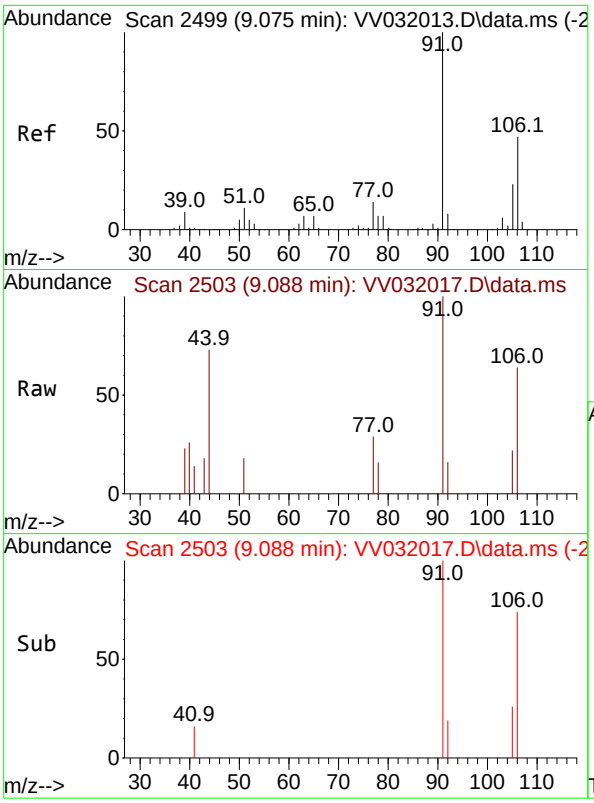




#42
Toluene
Concen: 0.139 ug/L
RT: 7.330 min Scan# 1956
Delta R.T. 0.010 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

Tgt Ion: 91 Resp: 4174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 63.5 | 40.5 | 75.1 |



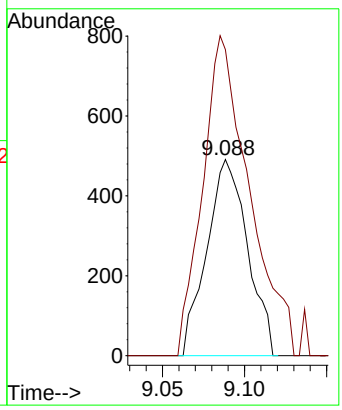


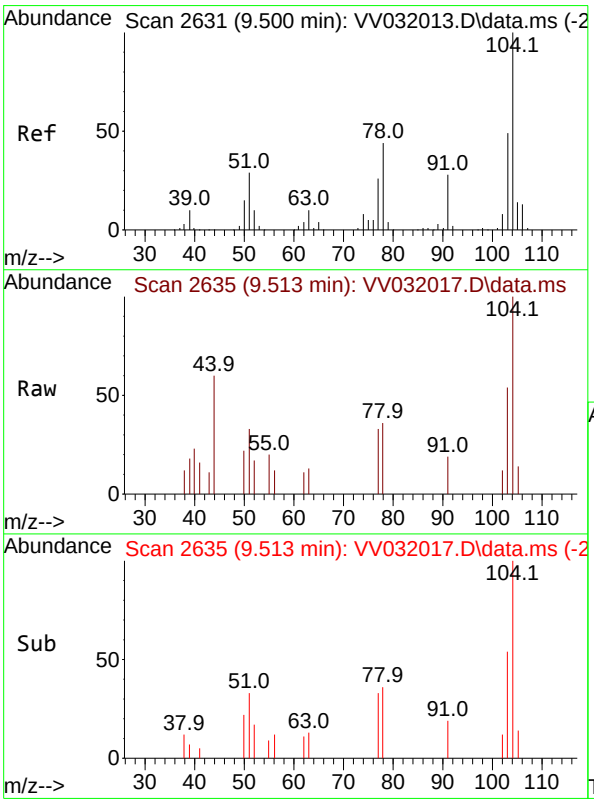

#53
m,p-Xylene
Concen: 0.065 ug/L
RT: 9.088 min Scan# 2
Delta R.T. 0.013 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
BH4P7

Tgt Ion:106 Resp: 849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 156.0 | 142.7 | 265.1 |




#55
Styrene
Concen: 0.092 ug/L
RT: 9.513 min Scan# 2635
Delta R.T. 0.013 min
Lab File: VV032017.D
Acq: 11 Sep 2023 11:31

Tgt Ion:104 Resp: 2004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 35.6 | 32.1 | 59.7 |