Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100523\
Data File : VV032259.D
Acq On : 05 Oct 2023 16:34
Operator : SY/MD
Sample : 04748-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Quant Time: Oct 06 01:30:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 01:20:04 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.542 | 114 | 75402 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.789 | 117 | 77465 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.191 | 152 | 37235 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.278 | 65 | 26495 | 4.321 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 86.400% | | | |
| 7) Chloroethane-d5 | 1.532 | 69 | 24599 | 4.942 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 98.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.059 | 65 | 11412 | 4.413 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 88.200% | | | |
| 20) 2-Butanone-d5 | 3.796 | 46 | 98376 | 63.416 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 126.840% | | | |
| 24) Chloroform-d | 4.256 | 84 | 53131 | 4.911 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 4.947 | 65 | 29347 | 5.727 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 114.600% | | | |
| 32) Benzene-d6 | 4.963 | 84 | 103934 | 4.560 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 91.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 5.995 | 67 | 35002 | 4.635 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.600% | | | |
| 41) Toluene-d8 | 7.249 | 98 | 88498 | 4.246 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.000% | | | |
| 43) trans-1,3-Dichloroprop... | 7.561 | 79 | 11877 | 4.438 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.800% | | | |
| 46) 2-Hexanone-d5 | 8.027 | 63 | 74575 | 59.227 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 118.460% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84 | 31331 | 5.931 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 118.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.564 | 152 | 35203 | 5.095 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 101.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) Acetone | 2.127 | 43 | 3090 | 2.584 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.117 | 63 | 5284 | 0.443 | ug/L | 87 |
| 30) Cyclohexane | 4.590 | 56 | 3514 | 0.304 | ug/L | 96 |
| 33) Benzene | 5.024 | 78 | 6669 | 0.245 | ug/L | 100 |
| 35) Methylcyclohexane | 6.050 | 83 | 4445 | 0.386 | ug/L | 97 |
| 42) Toluene | 7.326 | 91 | 19407 | 0.667 | ug/L | 97 |
| 52) Ethylbenzene | 8.960 | 91 | 4722 | 0.146 | ug/L | 99 |
| 53) m,p-Xylene | 9.082 | 106 | 3353 | 0.279 | ug/L | 97 |
| 54) o-Xylene | 9.487 | 106 | 1694 | 0.146 | ug/L | 76 |
| 63) 1,2,4-Trimethylbenzene | 10.860 | 105 | 2911 | 0.124 | ug/L | 96 |

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

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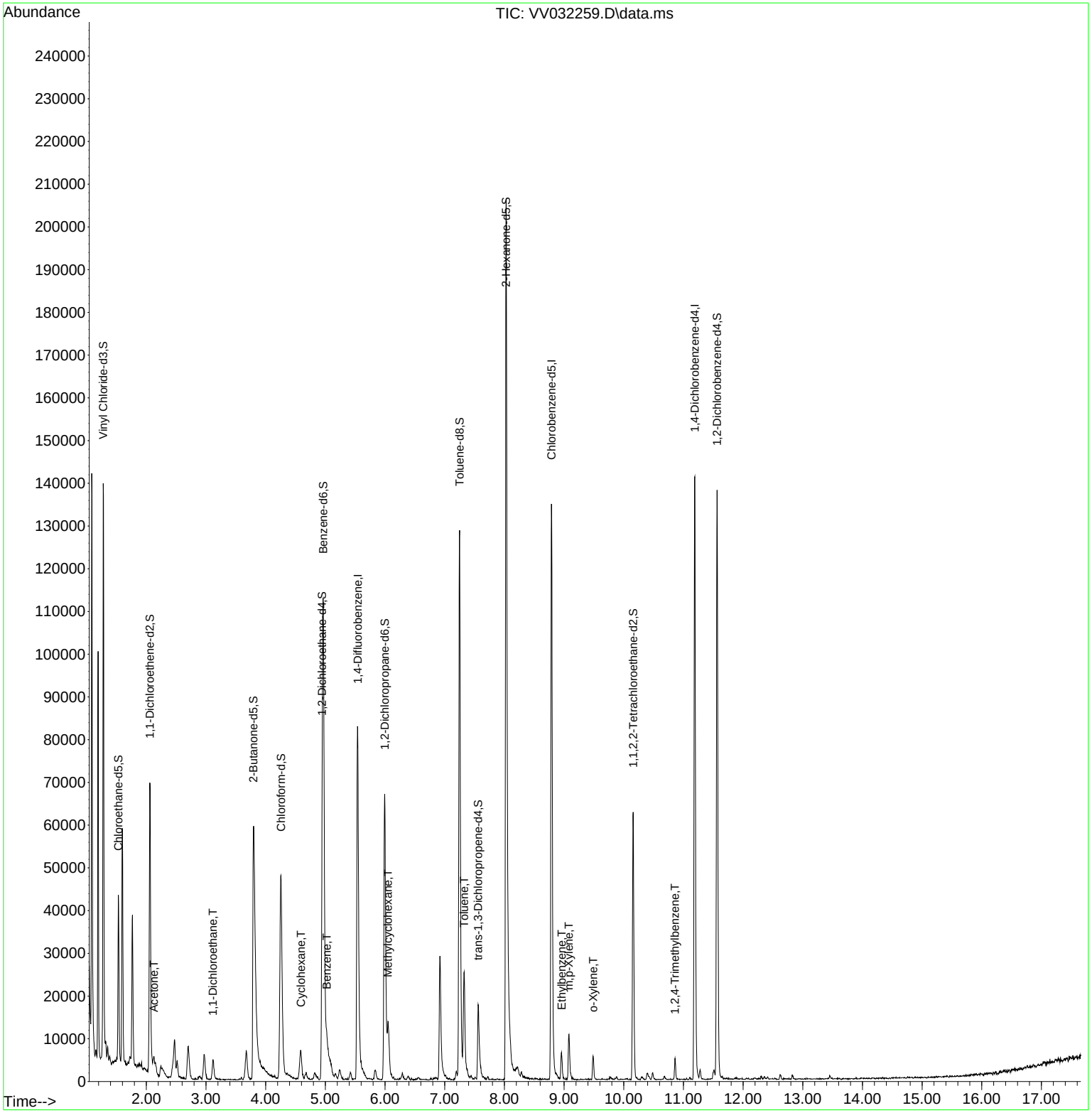
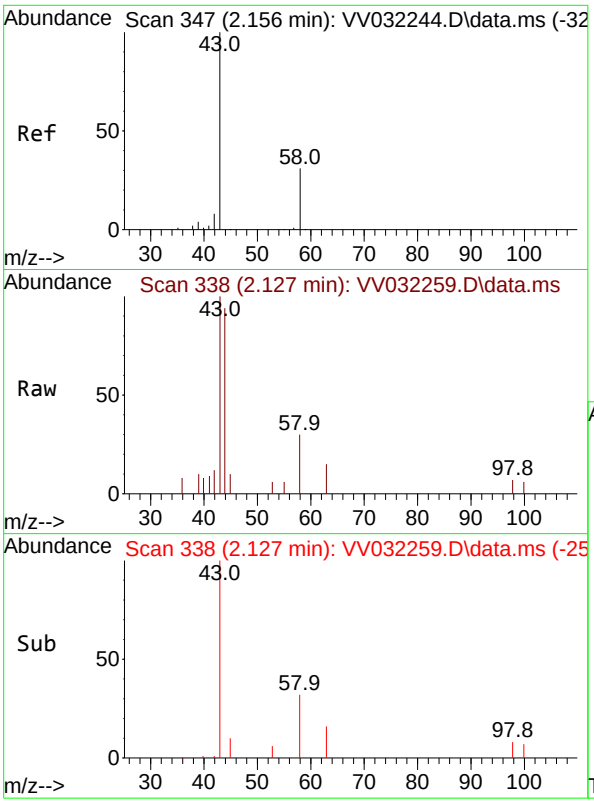
Operator : SY/MD
Sample : 04748-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Quant Time: Oct 06 01:30:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 01:20:04 2023
Response via : Initial Calibration



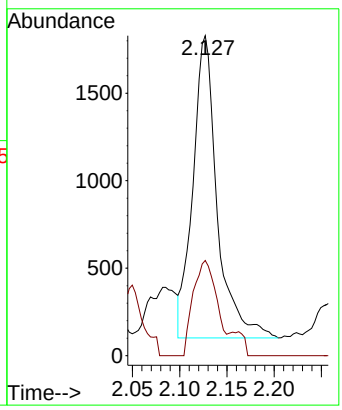


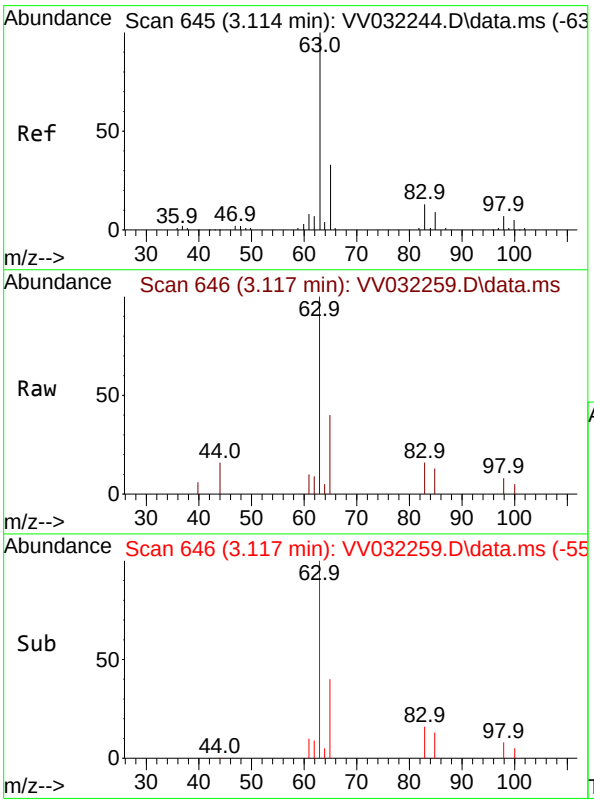

#13
Acetone
Concen: 2.584 ug/L
RT: 2.127 min Scan# 3
Delta R.T. -0.029 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Tgt Ion: 43 Resp: 3090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.3 | 0.0 | 66.0 |

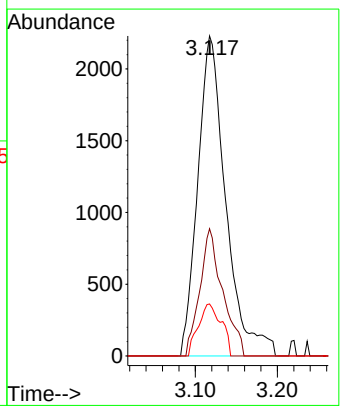


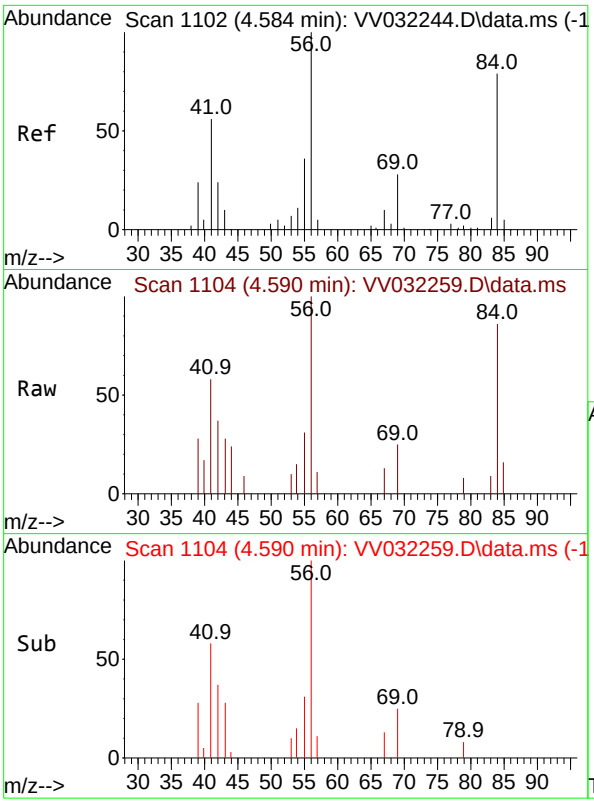




#19
1,1-Dichloroethane
Concen: 0.443 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.003 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

Tgt Ion: 63 Resp: 5284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 39.7 | 22.3 | 41.5 |
| 83 | 16.2 | 9.0 | 16.6 |



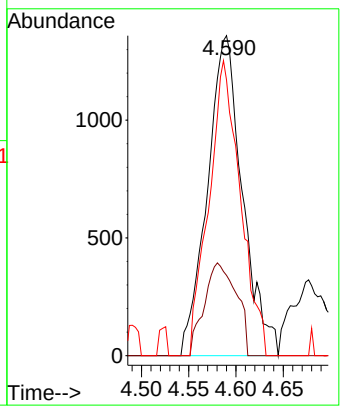


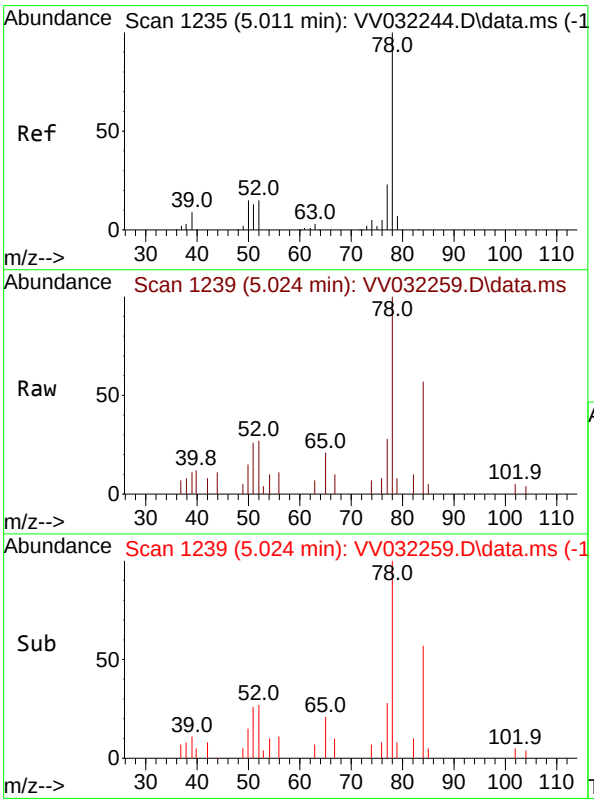

#30
Cyclohexane
Concen: 0.304 ug/L
RT: 4.590 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Tgt Ion: 56 Resp: 3514

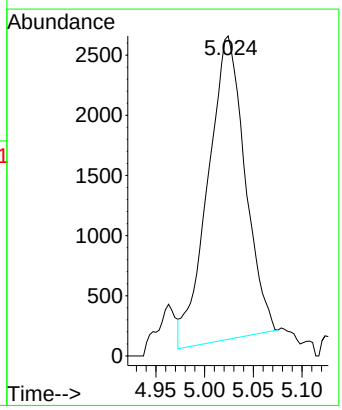
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 26.4 | 24.2 | 36.2 |
| 84 | 82.4 | 68.1 | 102.1 |

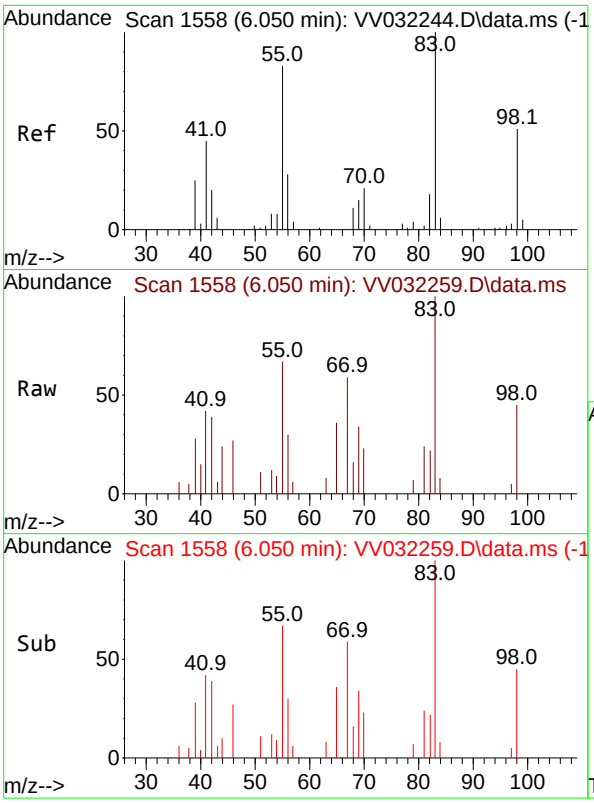



#33
Benzene
Concen: 0.245 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.013 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

Tgt Ion: 78 Resp: 6669



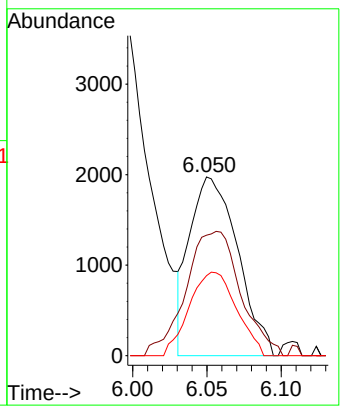


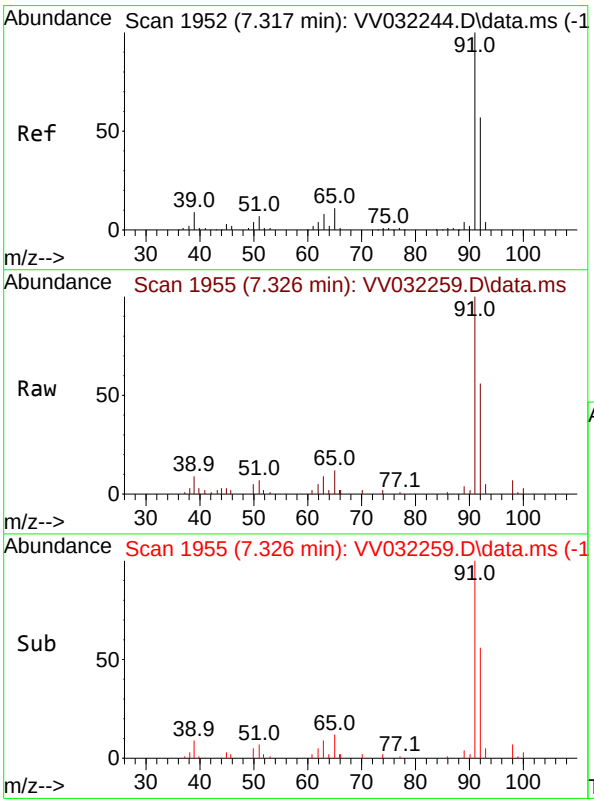

#35
Methylcyclohexane
Concen: 0.386 ug/L
RT: 6.050 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Tgt Ion: 83 Resp: 4445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.5 | 64.2 | 96.2 |
| 98 | 45.9 | 39.6 | 59.4 |

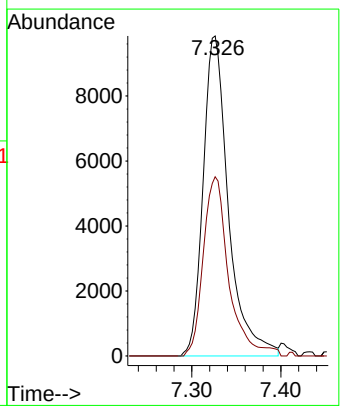


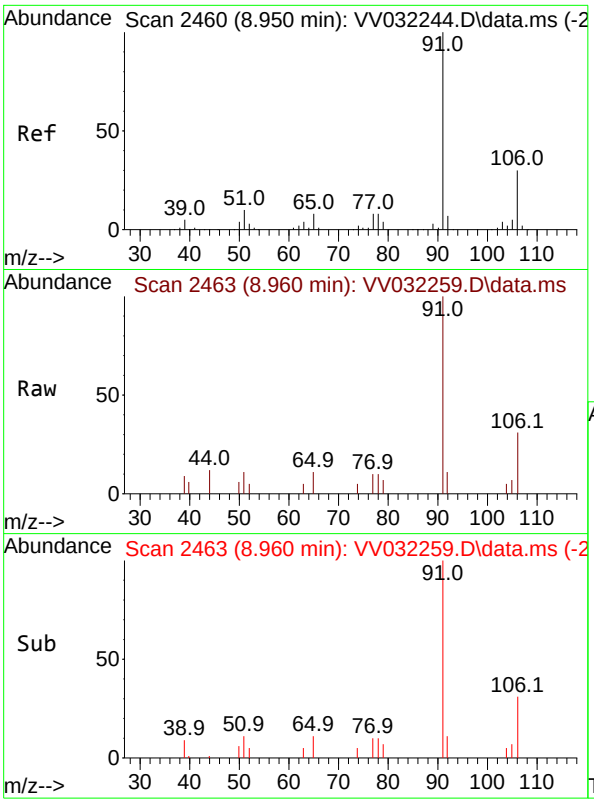




#42
Toluene
Concen: 0.667 ug/L
RT: 7.326 min Scan# 1955
Delta R.T. 0.010 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

Tgt Ion: 91 Resp: 19407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.0 | 40.8 | 75.8 |



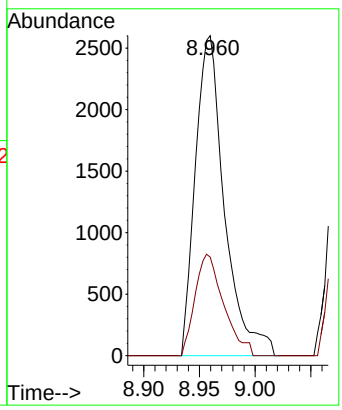


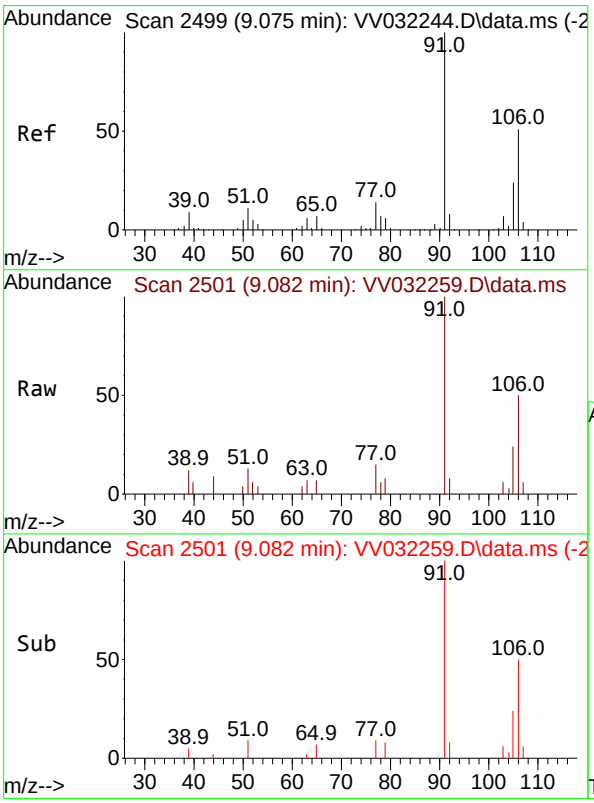

#52
Ethylbenzene
Concen: 0.146 ug/L
RT: 8.960 min Scan# 24
Delta R.T. 0.010 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Tgt Ion: 91 Resp: 4722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.8 | 21.3 | 39.5 |

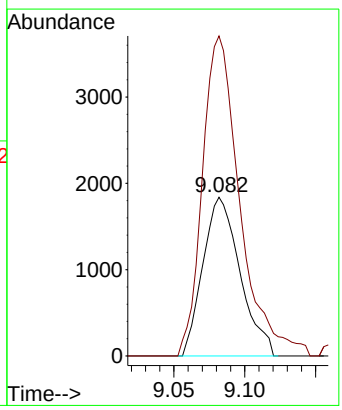


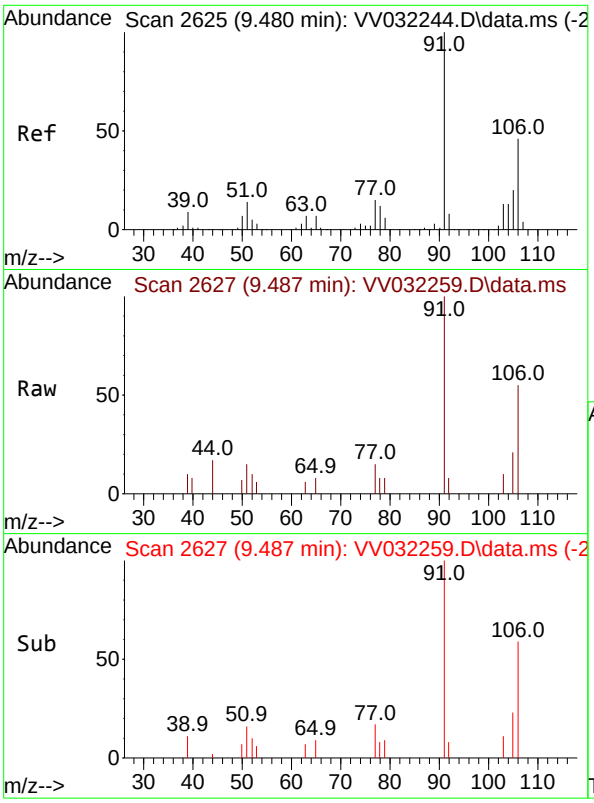




#53
m,p-Xylene
Concen: 0.279 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.006 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

Tgt Ion:106 Resp: 3353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.5 | 144.5 | 268.3 |



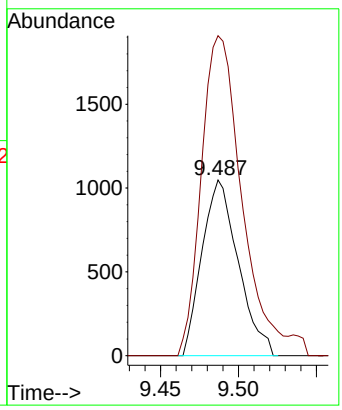


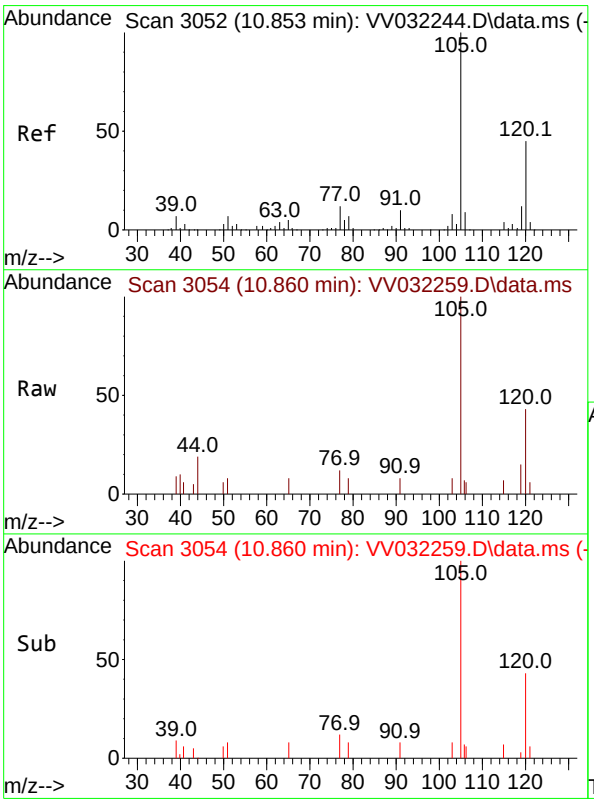

#54
o-Xylene
Concen: 0.146 ug/L
RT: 9.487 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

**Instrument :**
MSVOA_V
**ClientSampleId :**
EX862

Tgt Ion:106 Resp: 1694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 182.2 | 154.8 | 287.4 |




#63
1,2,4-Trimethylbenzene
Concen: 0.124 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.006 min
Lab File: VV032259.D
Acq: 05 Oct 2023 16:34

Tgt Ion:105 Resp: 2911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.7 | 36.2 | 54.4 |