Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102822\
Data File : VV028760.D
Acq On : 28 Oct 2022 16:30
Operator : SY/MD
Sample : N5233-09DL2 800X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Quant Time: Oct 28 21:54:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 21:50:06 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.612 | 114 | 184791 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.847 | 117 | 172775 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.243 | 152 | 78963 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 39971 | 3.110 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 62.200% | | | |
| 7) Chloroethane-d5 | 1.564 | 69 | 42618 | 3.922 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 78.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.105 | 63 | 67750 | 2.725 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 54.600%# | | | |
| 20) 2-Butanone-d5 | 3.902 | 46 | 116471 | 39.744 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 79.480% | | | |
| 24) Chloroform-d | 4.342 | 84 | 89642 | 4.017 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 80.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.031 | 65 | 50816 | 4.488 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.800% | | | |
| 32) Benzene-d6 | 5.047 | 84 | 174742 | 3.782 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 75.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.066 | 67 | 64972 | 4.442 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 88.800% | | | |
| 41) Toluene-d8 | 7.313 | 98 | 138042 | 3.829 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 76.600% | | | |
| 43) trans-1,3-Dichloroprop... | 7.622 | 79 | 14993 | 3.299 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 66.000% | | | |
| 46) 2-Hexanone-d5 | 8.088 | 63 | 113132 | 53.484 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 106.960% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84 | 46508 | 4.795 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.619 | 152 | 49223 | 4.519 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 90.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.236 | 50 | 1975 | 0.136 | ug/L | 87 |
| 5) Vinyl chloride | 1.307 | 62 | 1542 | 0.107 | ug/L # | 5 |
| 14) Carbon disulfide | 2.291 | 76 | 1575 | 0.067 | ug/L # | 69 |
| 16) Methylene chloride | 2.503 | 84 | 12944 | 0.924 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.188 | 63 | 2398 | 0.097 | ug/L # | 86 |
| 22) cis-1,2-Dichloroethene | 3.912 | 96 | 8453 | 0.690 | ug/L # | 84 |
| 25) Chloroform | 4.371 | 83 | 4494 | 0.187 | ug/L | 84 |
| 27) 1,2-Dichloroethane | 5.095 | 62 | 4605 | 0.325 | ug/L # | 77 |
| 33) Benzene | 5.095 | 78 | 441436 | 8.549 | ug/L | 100 |
| 42) Toluene | 7.384 | 91 | 179679 | 3.670 | ug/L | 100 |
| 51) Chlorobenzene | 8.879 | 112 | 11869 | 0.385 | ug/L | 98 |
| 52) Ethylbenzene | 9.008 | 91 | 87382 | 1.606 | ug/L | 97 |
| 53) m,p-Xylene | 9.130 | 106 | 112227 | 5.712 | ug/L | 100 |
| 54) o-Xylene | 9.542 | 106 | 7918 | 0.401 | ug/L | 99 |
| 60) Isopropylbenzene | 9.931 | 105 | 2429 | 0.049 | ug/L # | 82 |
| 61) 1,2,3-Trichloropropane | 9.542 | 75 | 453 | 0.067 | ug/L # | 1 |
| 62) 1,3,5-Trimethylbenzene | 10.911 | 105 | 14859 | 1.025 | ug/L | 96 |
| 63) 1,2,4-Trimethylbenzene | 10.911 | 105 | 14859 | 0.370 | ug/L | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102822\
Data File : VV028760.D
Acq On : 28 Oct 2022 16:30
Operator : SY/MD
Sample : N5233-09DL2 800X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Quant Time: Oct 28 21:54:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 21:50:06 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

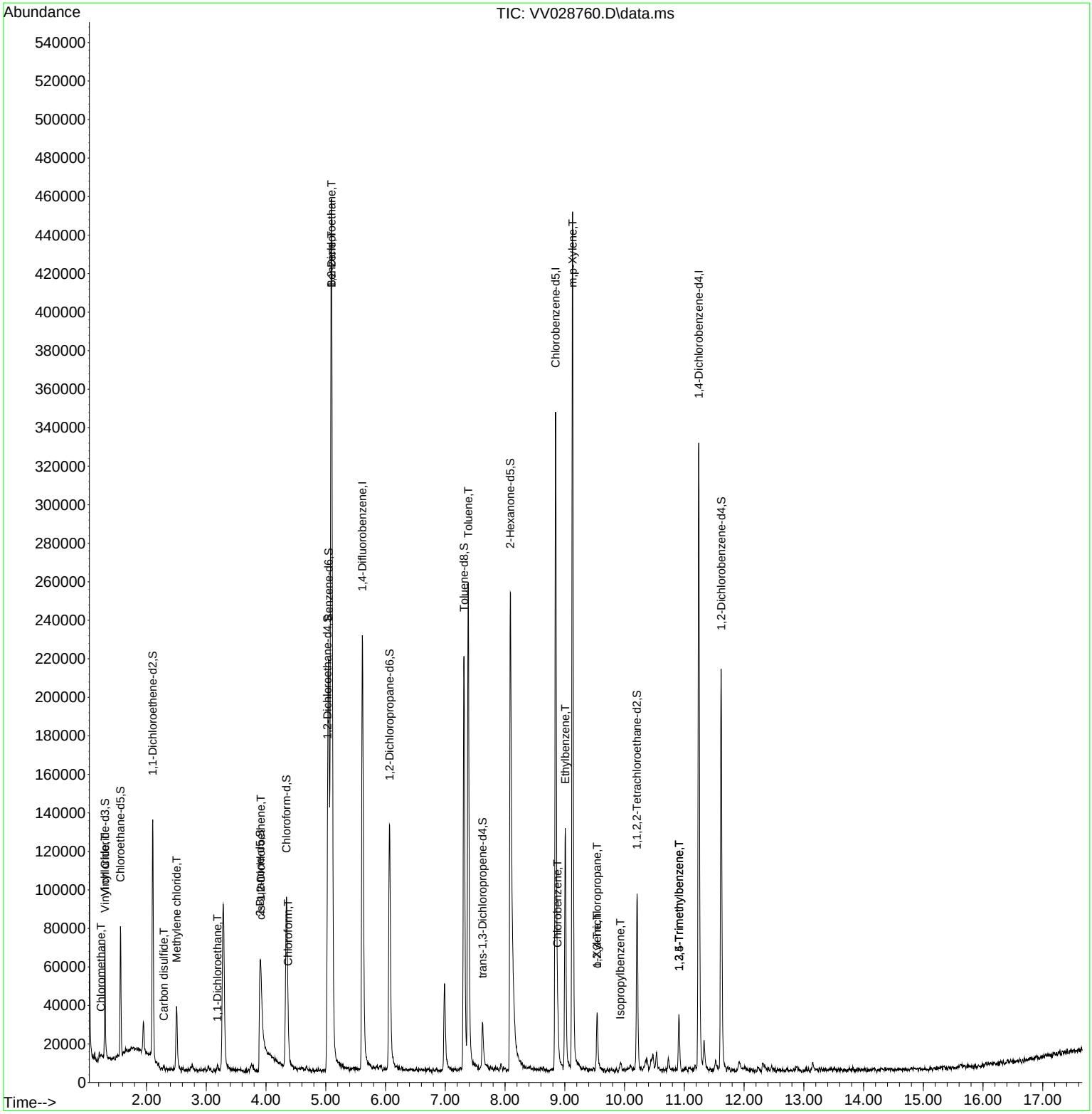
(#) = qualifier out of range (m) = manual integration (+) = signals summed

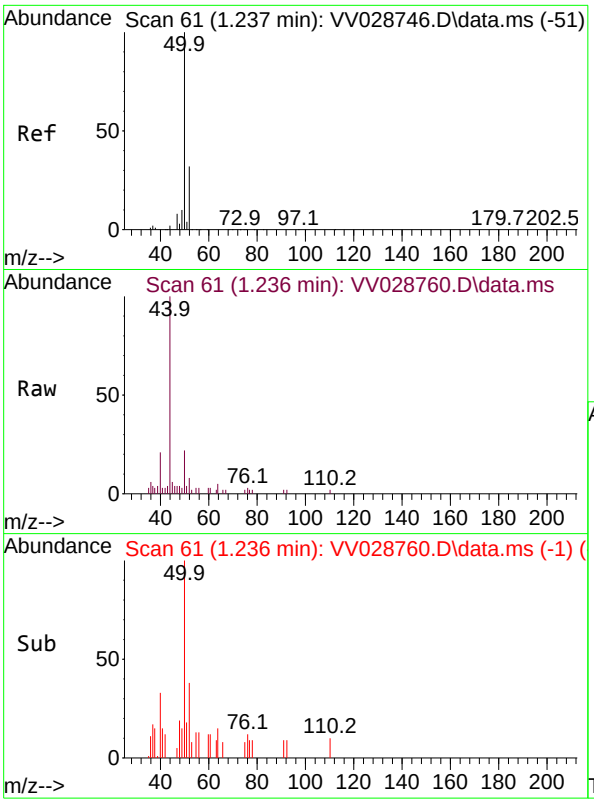
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102822\
Data File : VV028760.D
Acq On : 28 Oct 2022 16:30
Operator : SY/MD
Sample : N5233-09DL2 800X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Quant Time: Oct 28 21:54:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 21:50:06 2022
Response via : Initial Calibration



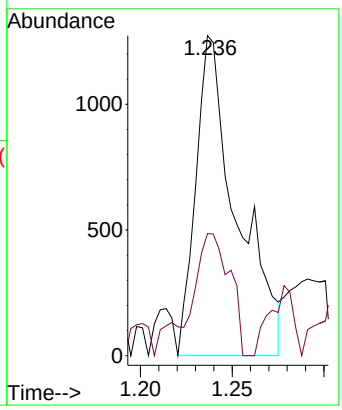


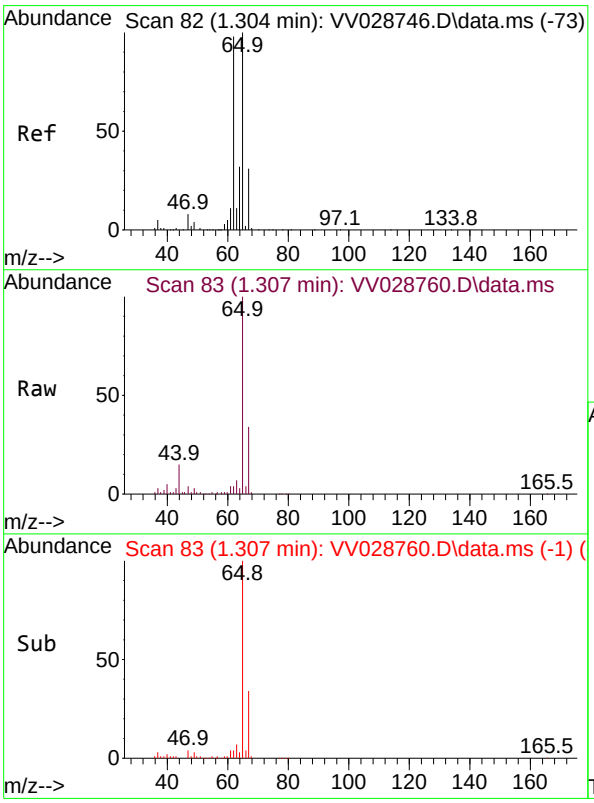

#3
Chloromethane
Concen: 0.136 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion: 50 Resp: 1975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 38.2 | 21.8 | 40.6 |

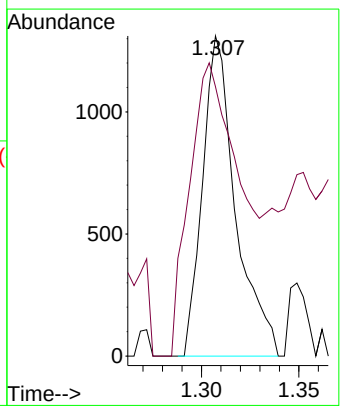


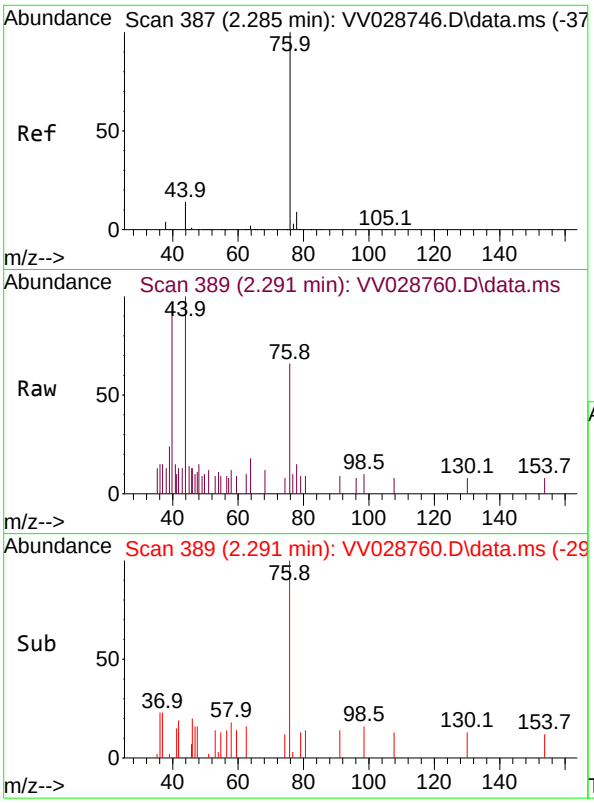




#5
Vinyl chloride
Concen: 0.107 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 62 Resp: 1542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 84.1 | 22.0 | 41.0# |



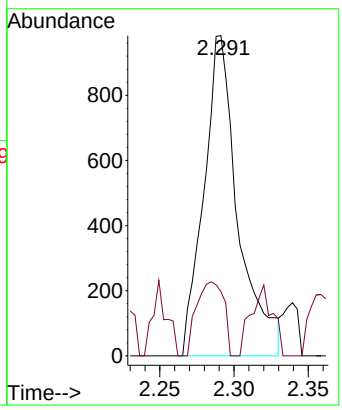


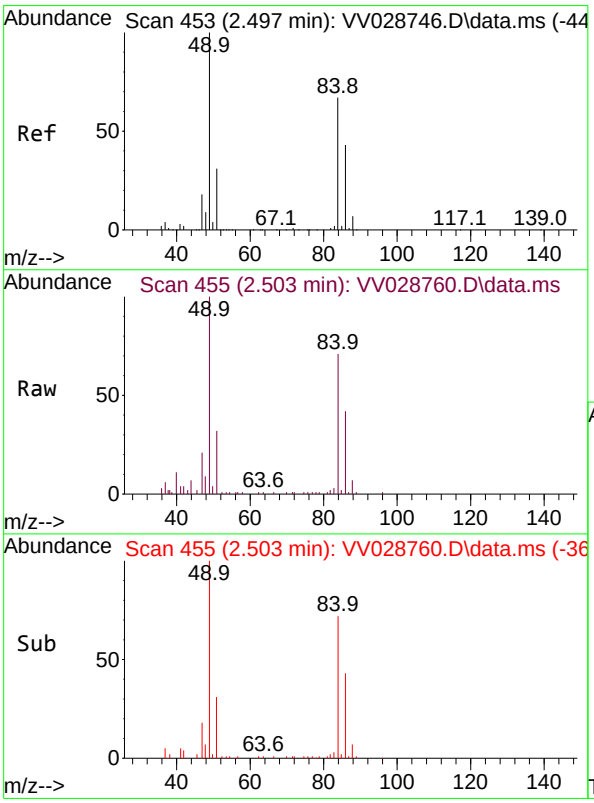

#14
Carbon disulfide
Concen: 0.067 ug/L
RT: 2.291 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion: 76 Resp: 1575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 20.0 | 7.1 | 10.7# |

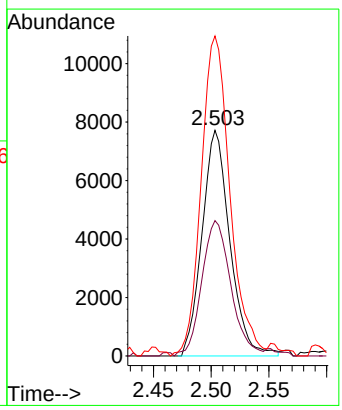


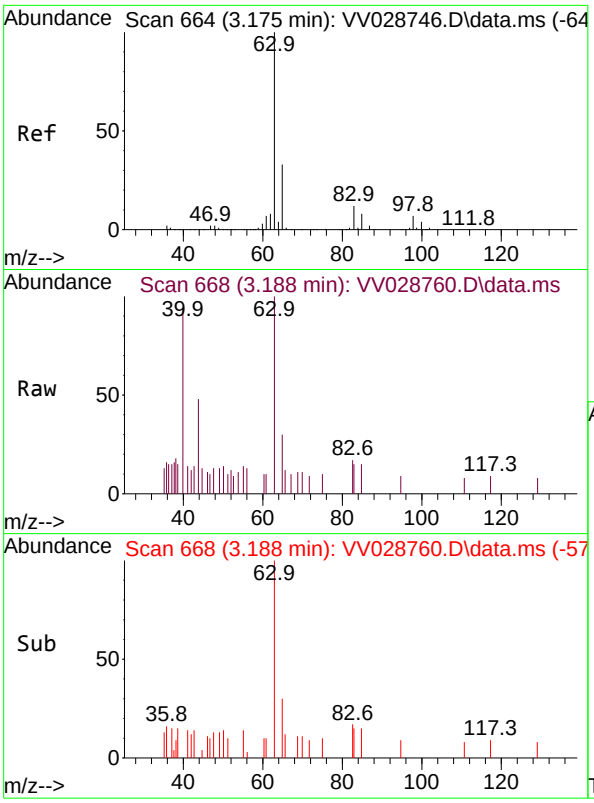




#16
Methylene chloride
Concen: 0.924 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 84 Resp: 12944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 60.0 | 44.4 | 82.4 |
| 49 | 147.8 | 110.8 | 205.8 |



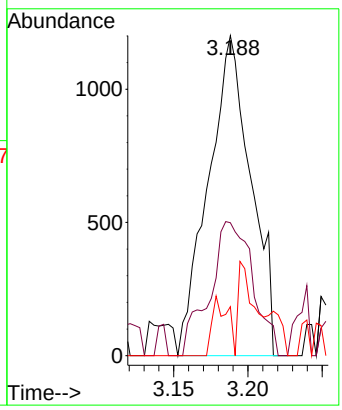


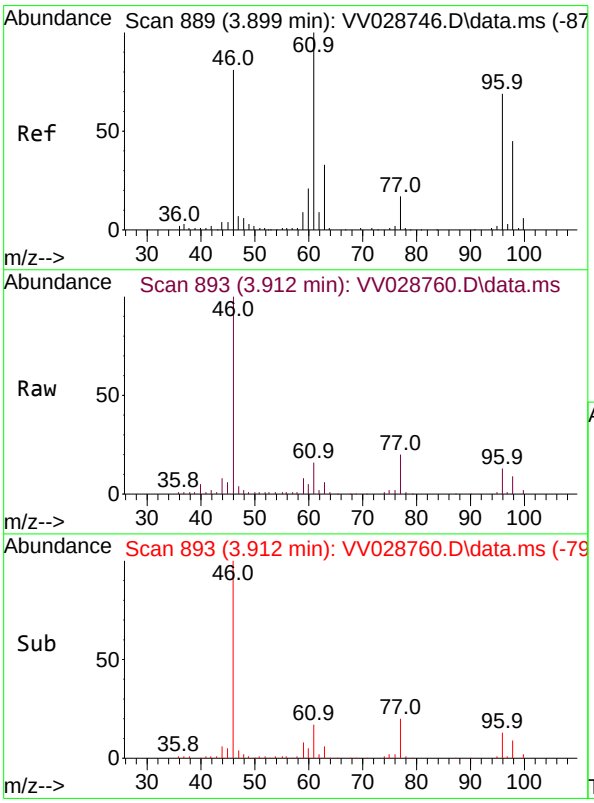

#19
1,1-Dichloroethane
Concen: 0.097 ug/L
RT: 3.188 min Scan# 6
Delta R.T. 0.013 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion: 63 Resp: 2398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 41.5 | 23.1 | 42.9 |
| 83 | 15.3 | 7.9 | 14.7# |

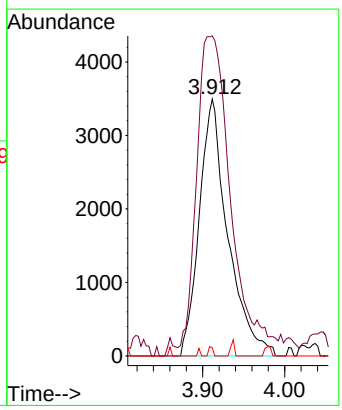


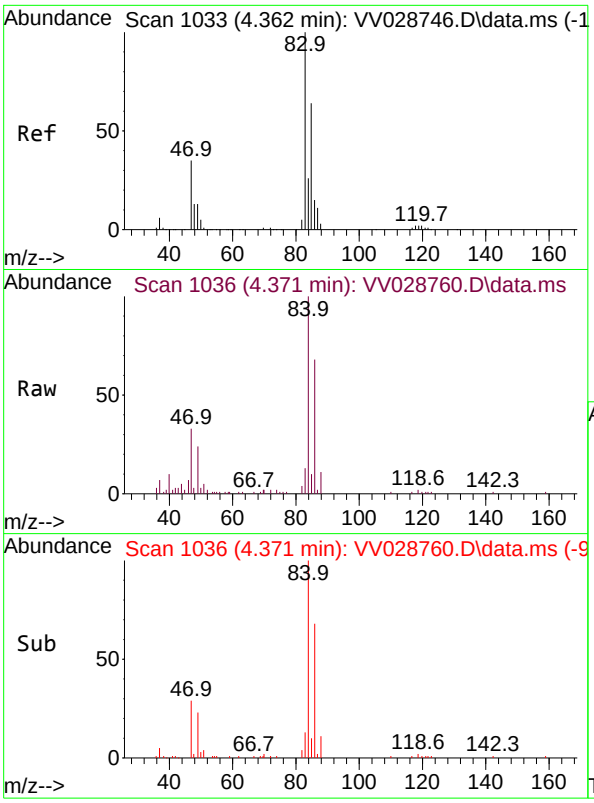




#22
cis-1,2-Dichloroethene
Concen: 0.690 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.013 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 96 Resp: 8453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 124.5 | 101.4 | 188.2 |
| 68 | 3.3 | 0.5 | 0.9# |



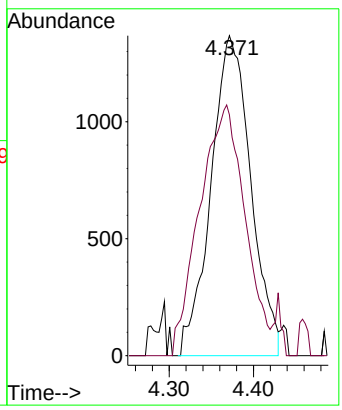


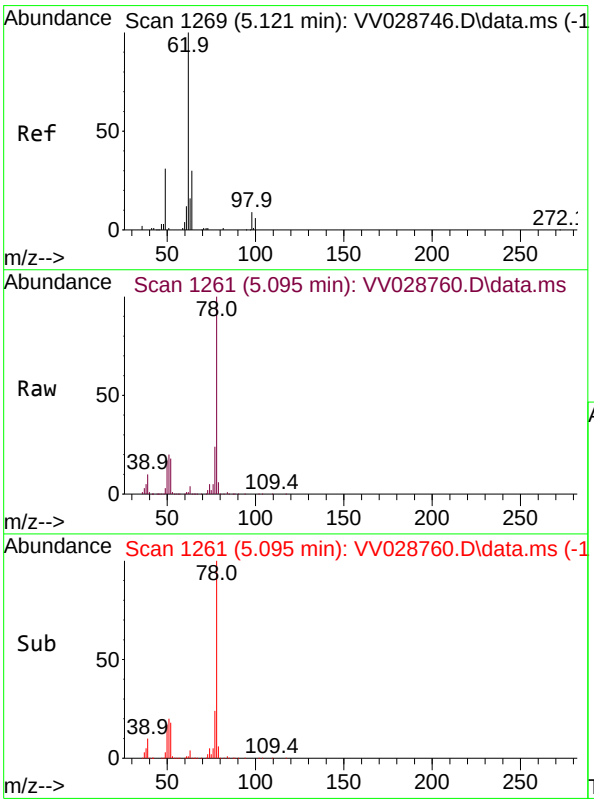

#25
Chloroform
Concen: 0.187 ug/L
RT: 4.371 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion: 83 Resp: 4494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 75.3 | 44.1 | 81.9 |

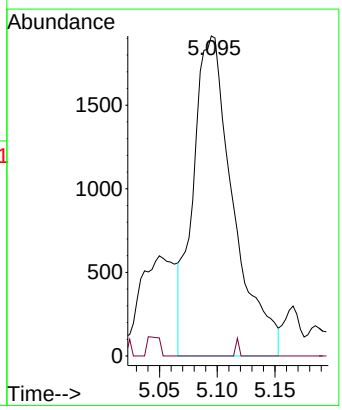


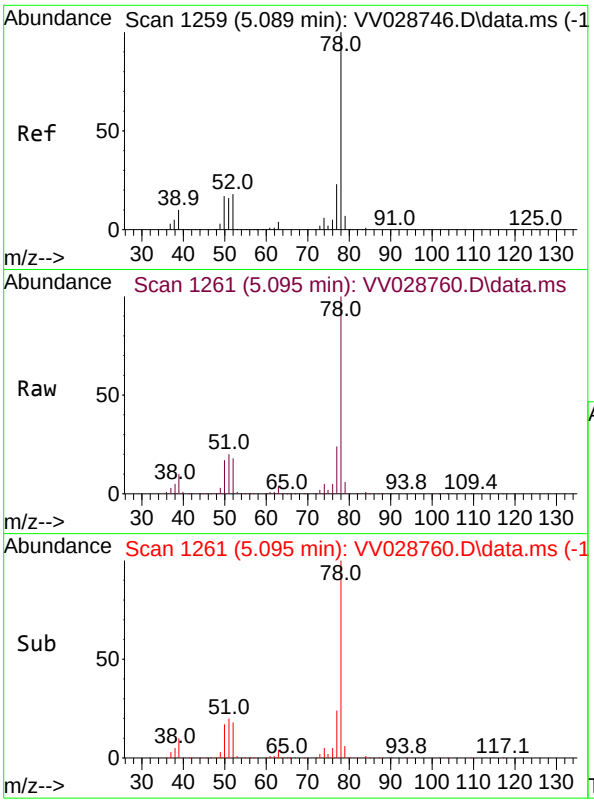




#27
1,2-Dichloroethane
Concen: 0.325 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.026 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 62 Resp: 4605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.6 | 9.8# |

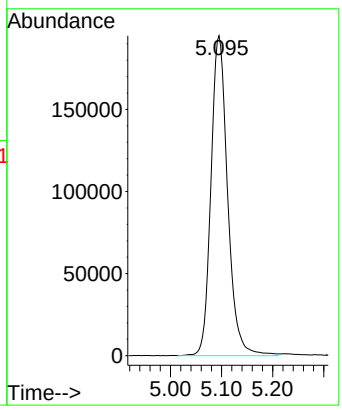


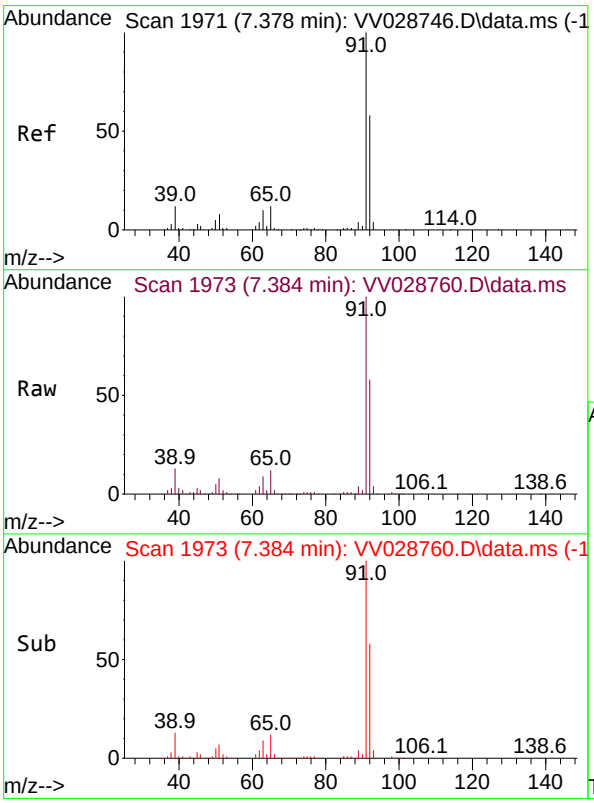



#33
Benzene
Concen: 8.549 ug/L
RT: 5.095 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion: 78 Resp: 441436

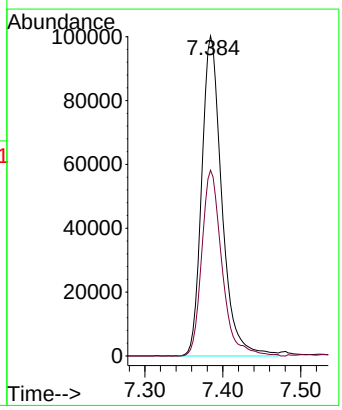


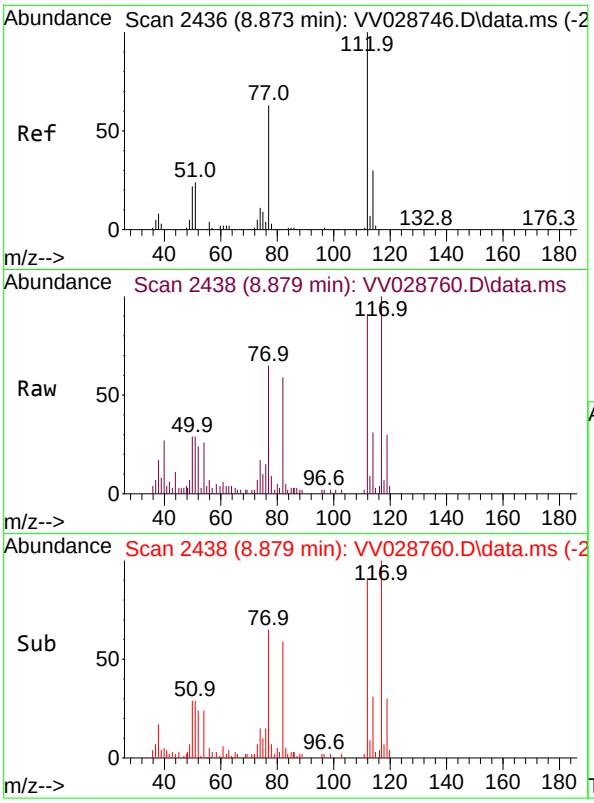




#42
Toluene
Concen: 3.670 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 91 Resp: 179679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.0 | 40.5 | 75.3 |



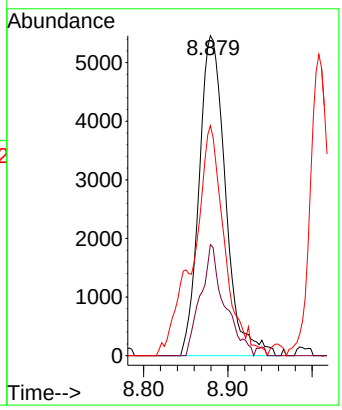


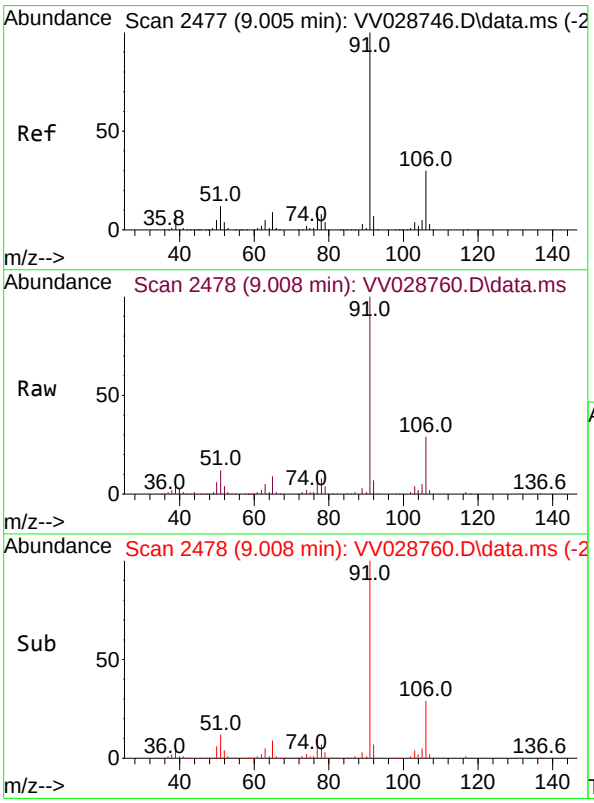

#51
Chlorobenzene
Concen: 0.385 ug/L
RT: 8.879 min Scan# 24
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion:112 Resp: 11869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.5 | 22.0 | 41.0 |
| 77 | 65.3 | 50.0 | 75.0 |

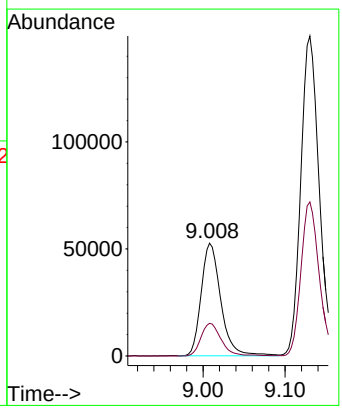


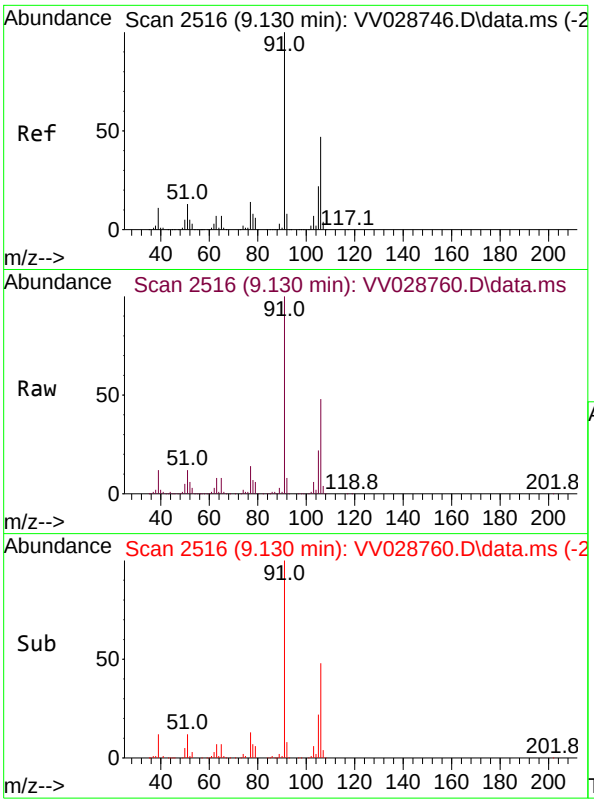




#52
Ethylbenzene
Concen: 1.606 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 91 Resp: 87382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.0 | 21.3 | 39.6 |



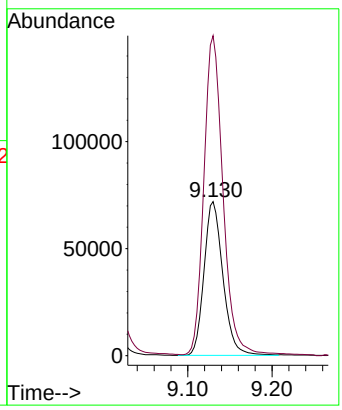


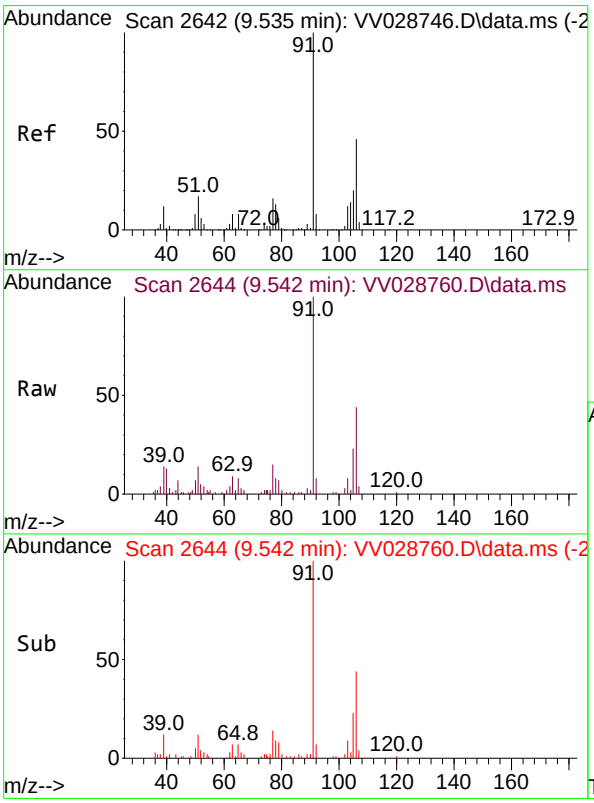

#53
m,p-Xylene
Concen: 5.712 ug/L
RT: 9.130 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion:106 Resp: 112227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.6 | 145.5 | 270.1 |

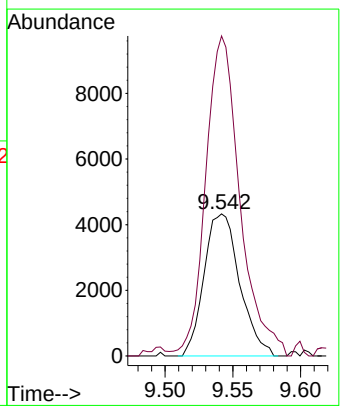


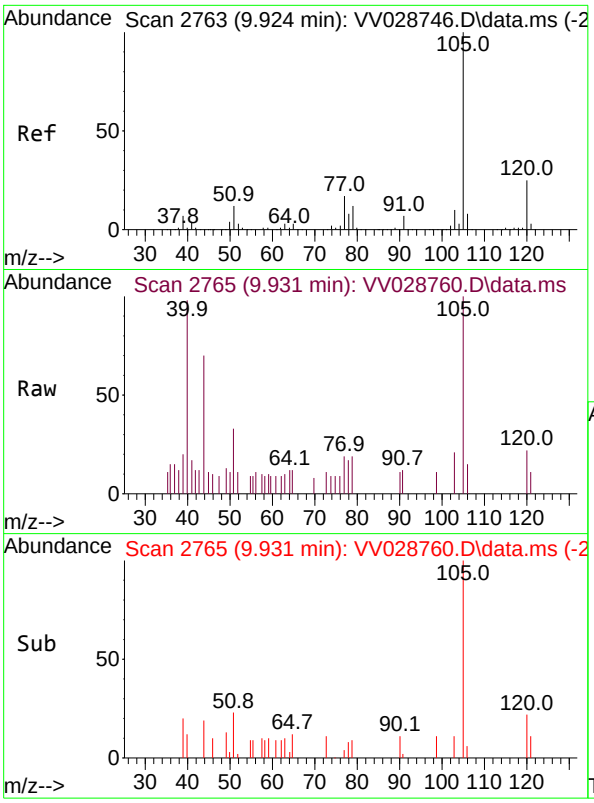




#54
o-Xylene
Concen: 0.401 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion:106 Resp: 7918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.2 | 159.0 | 295.4 |



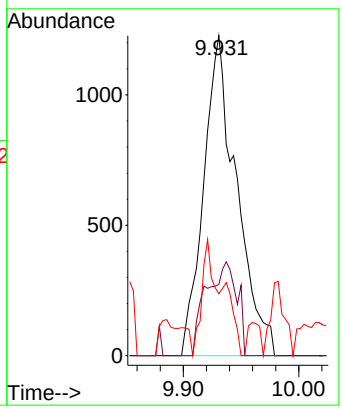


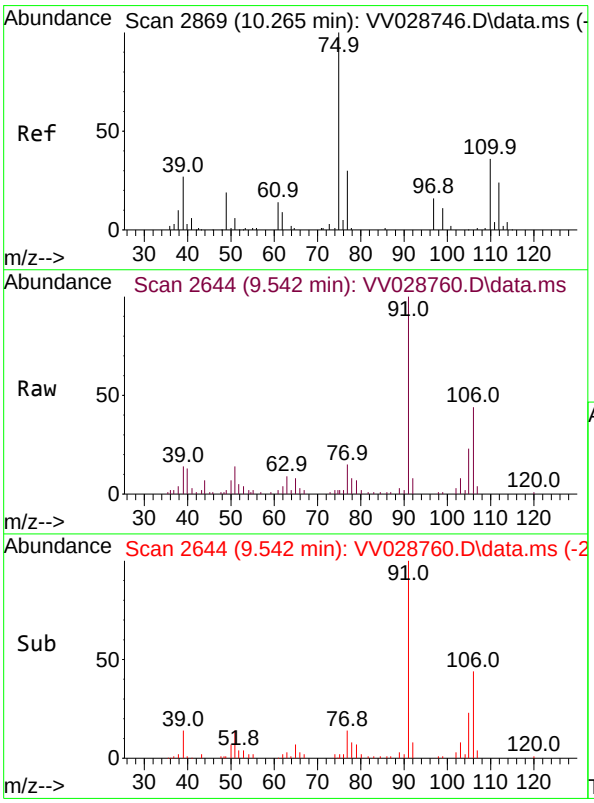

#60
Isopropylbenzene
Concen: 0.049 ug/L
RT: 9.931 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion:105 Resp: 2429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.2 | 20.1 | 30.1 |
| 77 | 0.0 | 13.4 | 20.0# |

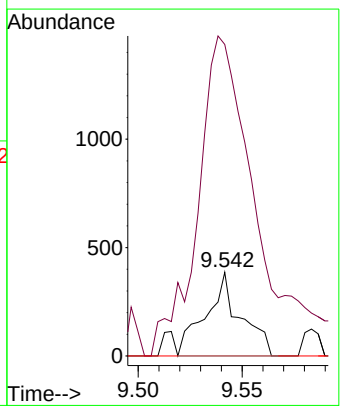


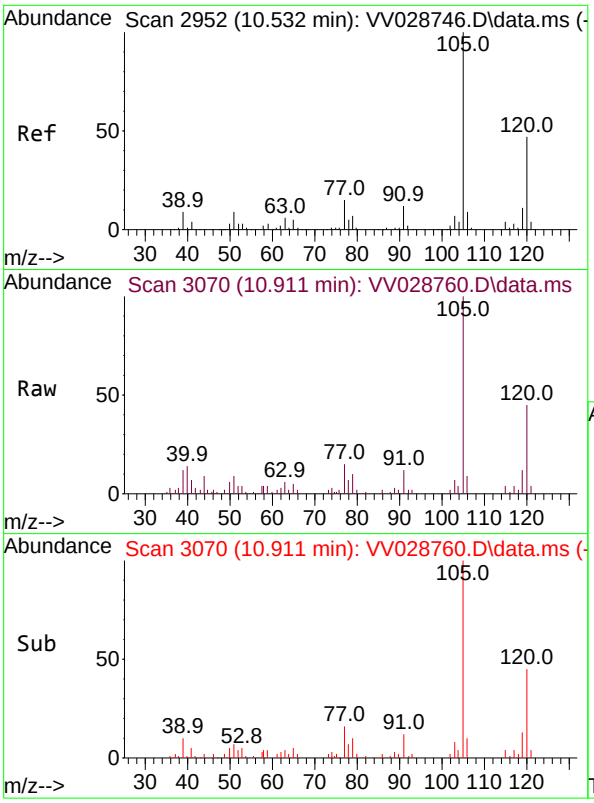




#61
1,2,3-Trichloropropane
Concen: 0.067 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.724 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion: 75 Resp: 453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 631.3 | 25.2 | 37.8# |
| 110 | 9.9 | 27.9 | 41.9# |



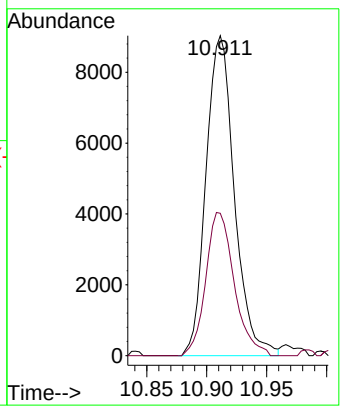


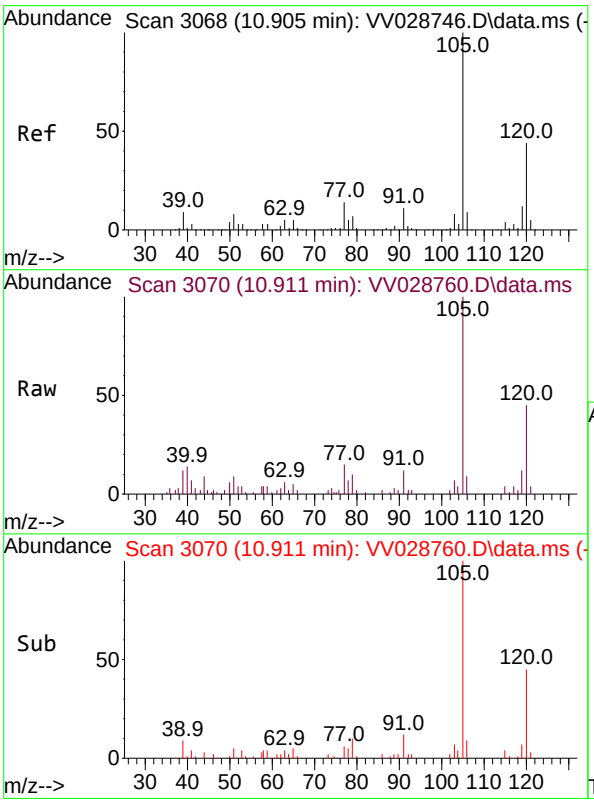

#62
1,3,5-Trimethylbenzene
Concen: 1.025 ug/L
RT: 10.911 min Scan# 3
Delta R.T. 0.379 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

**Instrument :**
MSVOA_V
**ClientSampleId :**
BHA77DL2

Tgt Ion:105 Resp: 14859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 38.3 | 57.5 |




#63
1,2,4-Trimethylbenzene
Concen: 0.370 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. 0.006 min
Lab File: VV028760.D
Acq: 28 Oct 2022 16:30

Tgt Ion:105 Resp: 14859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 36.2 | 54.2 |