Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
Data File : VU045294.D
Acq On : 12 Oct 2021 16:10
Operator : SY/MD
Sample : M4070-09ME
Misc : 2.53g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 13 02:54:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 13 02:48:52 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.250 | 114 | 288533 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.426 | 117 | 276144 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.819 | 152 | 131040 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 78179 | 24.751 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 49.500%# | | | |
| 7) Chloroethane-d5 | 1.871 | 69 | 28991 | 11.583 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 23.160%# | | | |
| 11) 1,1-Dichloroethene-d2 | 2.523 | 63 | 126118 | 23.776 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 47.560%# | | | |
| 21) 2-Butanone-d5 | 4.649 | 46 | 224562 | 89.929 | ug/L | 0.02 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 89.930% | | | |
| 24) Chloroform-d | 5.063 | 84 | 200581 | 40.207 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 80.420% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.703 | 65 | 146222 | 43.272 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.540% | | | |
| 32) Benzene-d6 | 5.722 | 84 | 414867 | 43.296 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.693 | 67 | 142386 | 45.572 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 91.140% | | | |
| 41) Toluene-d8 | 7.902 | 98 | 362643 | 43.855 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 87.700% | | | |
| 43) trans-1,3-Dichloroprop... | 8.185 | 79 | 59890 | 43.092 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 86.180% | | | |
| 47) 2-Hexanone-d5 | 8.652 | 63 | 156964 | 90.655 | ug/L | 0.01 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 90.650% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84 | 228983 | 47.065 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.120% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 137866 | 48.344 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 96.680% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.517 | 50 | 2589 | 0.752 | ug/L | 91 |
| 14) Carbon disulfide | 2.752 | 76 | 6958 | 0.972 | ug/L | 100 |
| 15) Methyl Acetate | 2.970 | 43 | 5152 | 1.447 | ug/L | 96 |
| 16) Methylene chloride | 3.034 | 84 | 2772 | 0.979 | ug/L # | 84 |
| 25) Chloroform | 5.092 | 83 | 2707 | 0.556 | ug/L | 96 |
| 29) Cyclohexane | 5.375 | 56 | 24265 | 5.846 | ug/L | 96 |
| 35) Methylcyclohexane | 6.758 | 83 | 79272 | 19.247 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.571 | 75 | 3532 | 0.885 | ug/L # | 62 |
| 42) Toluene | 7.973 | 91 | 47657 | 4.580 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.185 | 75 | 2603 | 0.686 | ug/L # | 78 |
| 45) 1,1,2-Trichloroethane | 8.372 | 97 | 2773 | 1.097 | ug/L # | 23 |
| 48) 2-Hexanone | 8.652 | 43 | 22795 | 5.518 | ug/L # | 60 |
| 52) Ethylbenzene | 9.578 | 91 | 42673 | 3.882 | ug/L | 98 |
| 53) m,p-Xylene | 9.700 | 106 | 32507 | 7.806 | ug/L | 99 |
| 54) o-xylene | 10.108 | 106 | 35464 | 8.666 | ug/L | 96 |
| 61) Isopropylbenzene | 10.491 | 105 | 27898 | 2.909 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 8227 | 1.027 | ug/L | 97 |
| 63) 1,2,4-Trimethylbenzene | 11.475 | 105 | 41464 | 5.056 | ug/L | 98 |
| 71) Naphthalene | 14.089 | 128 | 110131 | 12.435 | ug/L | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
Data File : VU045294.D
Acq On : 12 Oct 2021 16:10
Operator : SY/MD
Sample : M4070-09ME
Misc : 2.53g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 13 02:54:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 13 02:48:52 2021
Response via : Initial Calibration

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

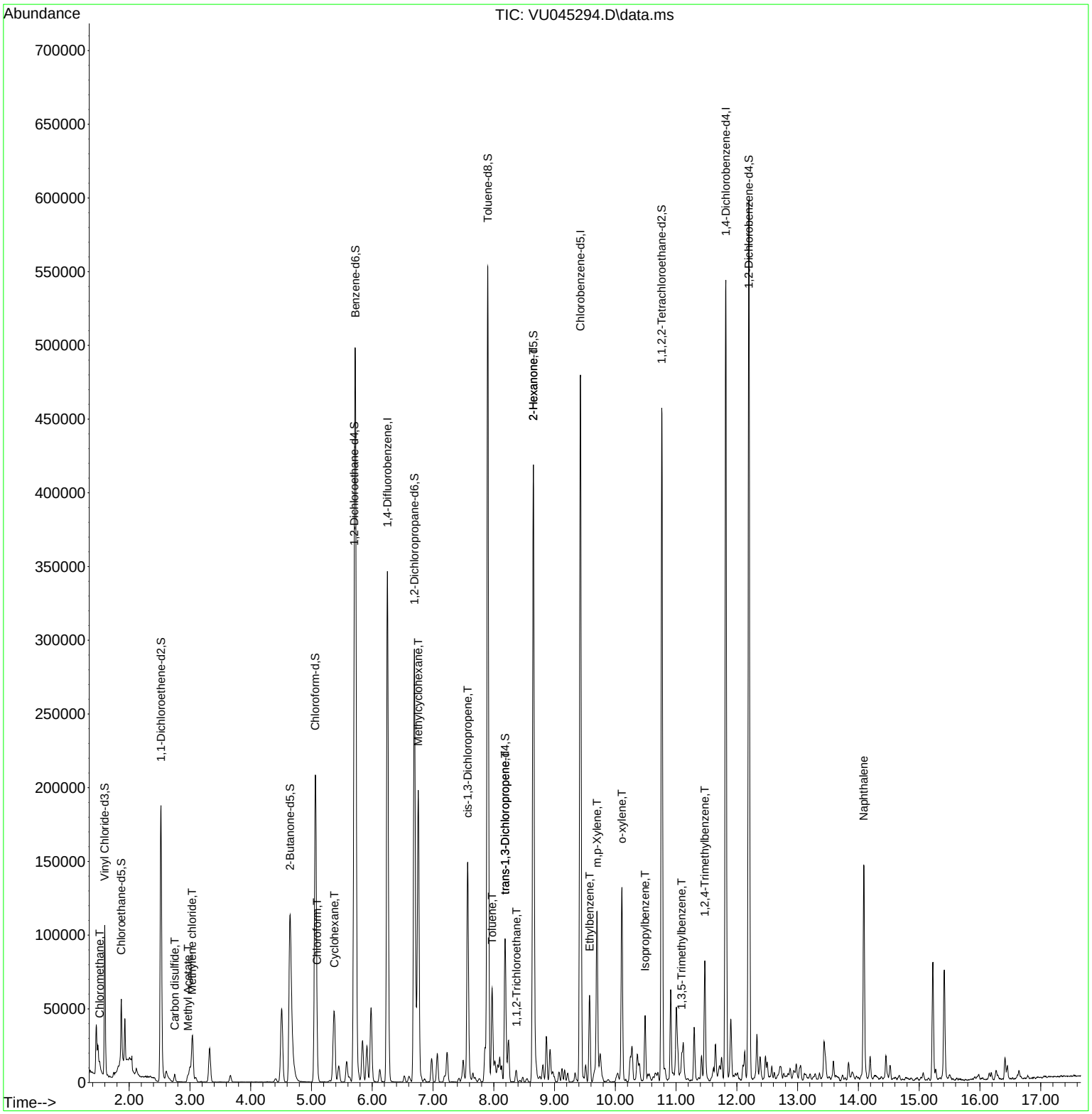
(#) = qualifier out of range (m) = manual integration (+) = signals summed

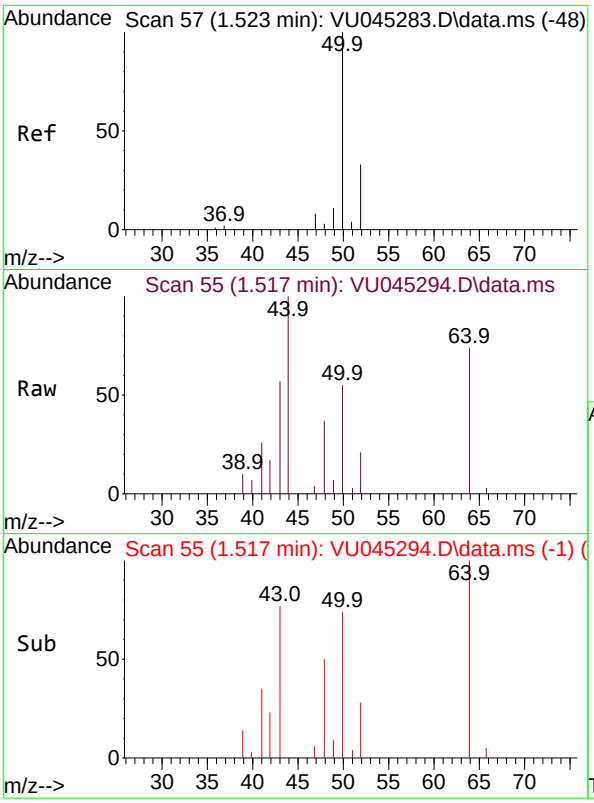
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101221\
Data File : VU045294.D
Acq On : 12 Oct 2021 16:10
Operator : SY/MD
Sample : M4070-09ME
Misc : 2.53g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 13 02:54:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 13 02:48:52 2021
Response via : Initial Calibration

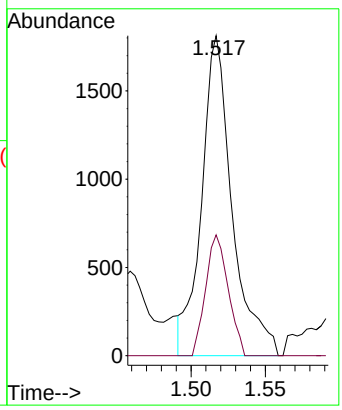




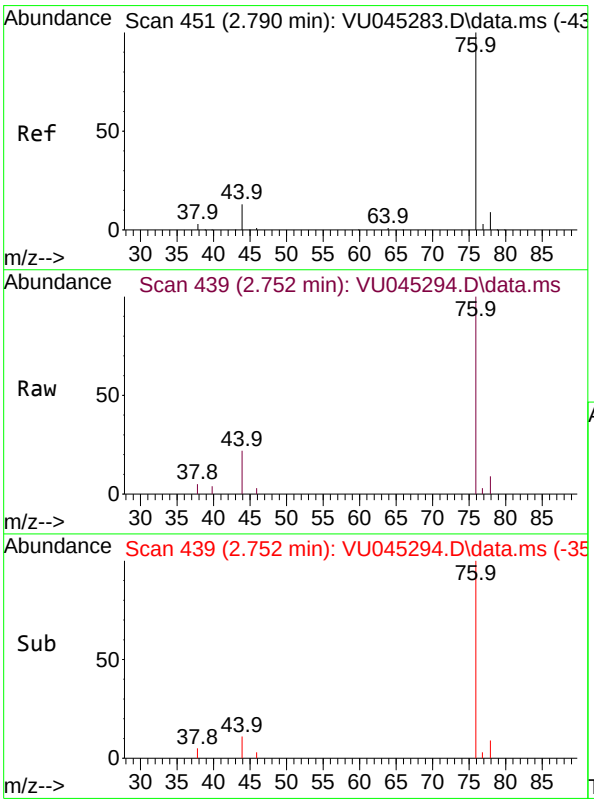

#3
Chloromethane
Concen: 0.752 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.006 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 50 Resp: 2589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 37.8 | 23.0 | 42.8 |



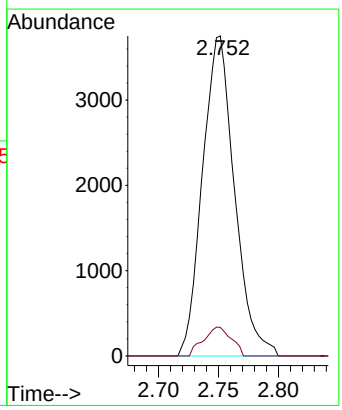

**Instrument :**
MSVOA_U
**ClientSampleId :**

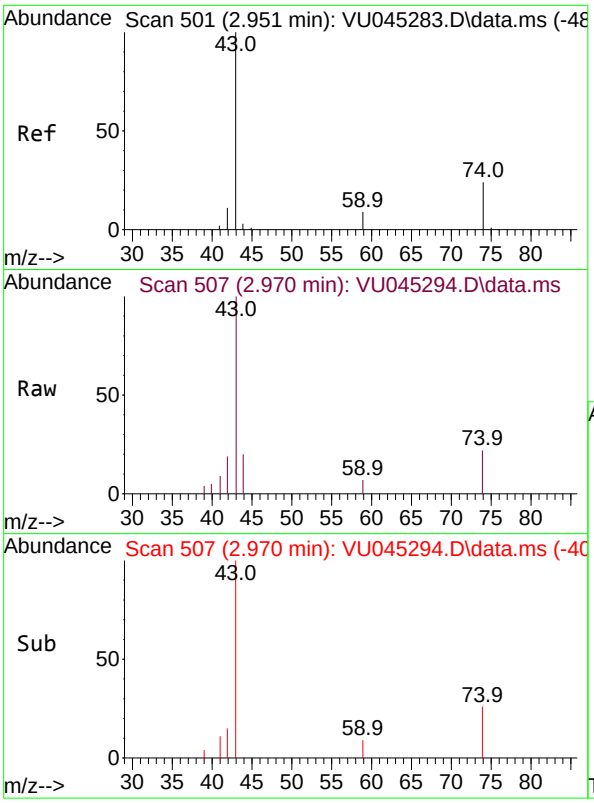



#14
Carbon disulfide
Concen: 0.972 ug/L
RT: 2.752 min Scan# 439
Delta R.T. -0.039 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 76 Resp: 6958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.3 | 10.9 |

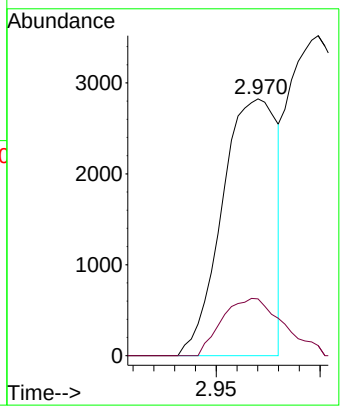




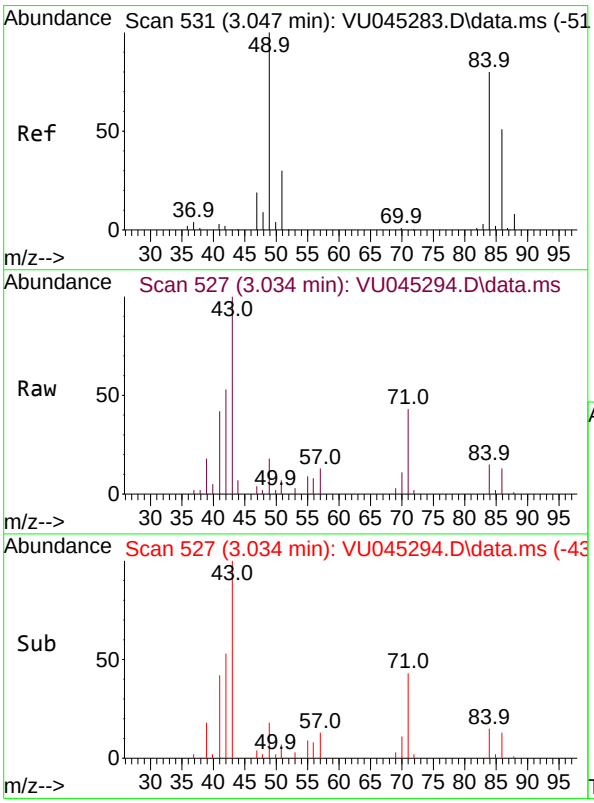

#15
Methyl Acetate
Concen: 1.447 ug/L
RT: 2.970 min Scan# 507
Delta R.T. 0.019 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 43 Resp: 5152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.1 | 18.4 | 27.6 |



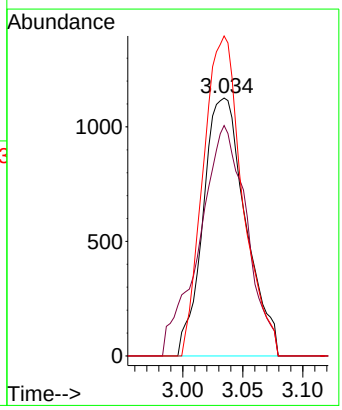

**Instrument :**
MSVOA_U
**ClientSampleId :**

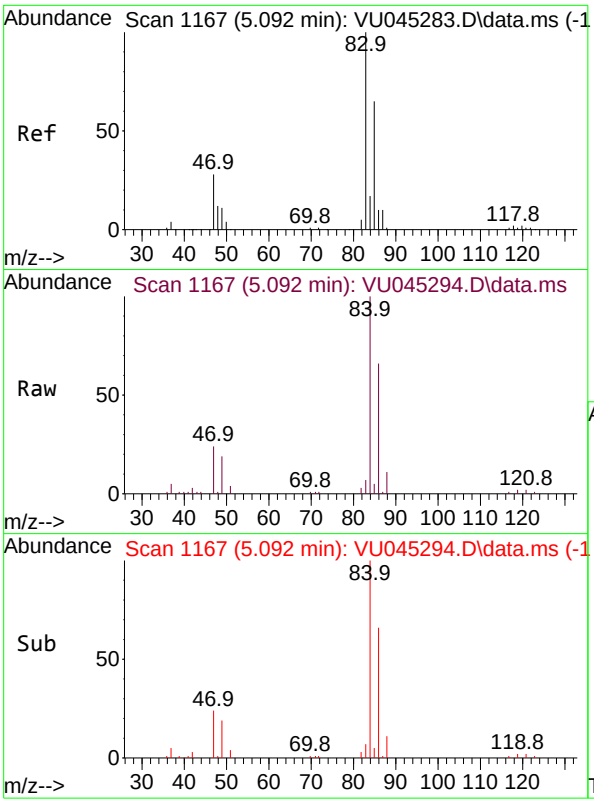



#16
Methylene chloride
Concen: 0.979 ug/L
RT: 3.034 min Scan# 527
Delta R.T. -0.013 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 84 Resp: 2772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 89.3 | 44.7 | 83.1# |
| 49 | 124.1 | 92.9 | 172.5 |

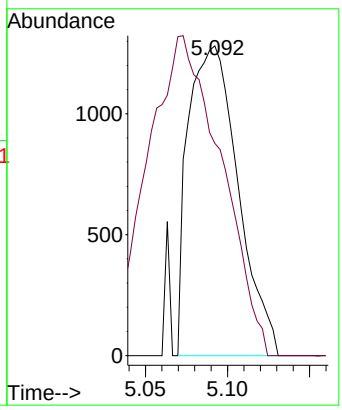




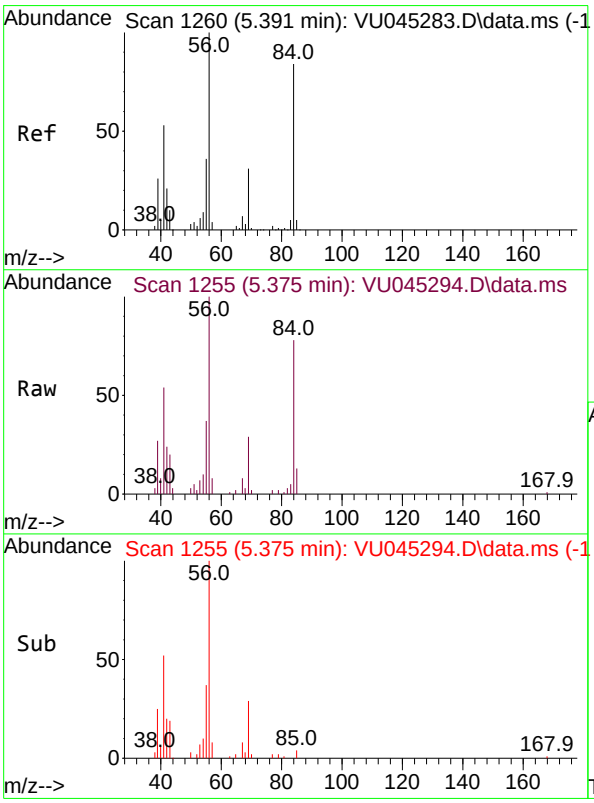

#25
Chloroform
Concen: 0.556 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 83 Resp: 2707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.5 | 45.6 | 84.6 |



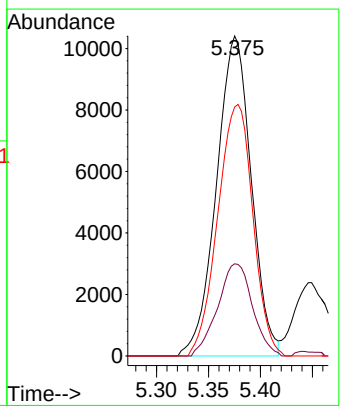

**Instrument :**
MSVOA_U
**ClientSampleId :**

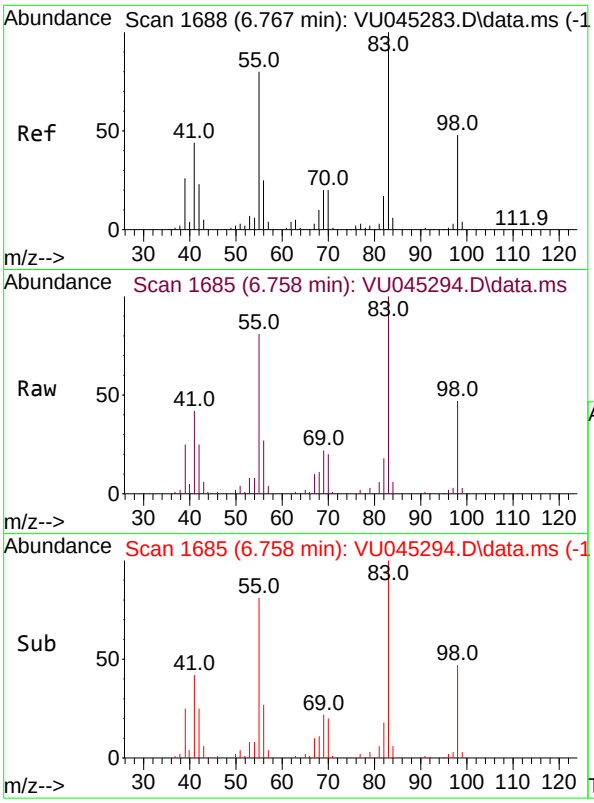



#29
Cyclohexane
Concen: 5.846 ug/L
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 56 Resp: 24265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 23.8 | 35.8 |
| 84 | 79.2 | 66.8 | 100.2 |

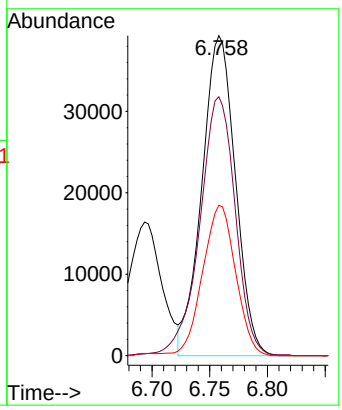




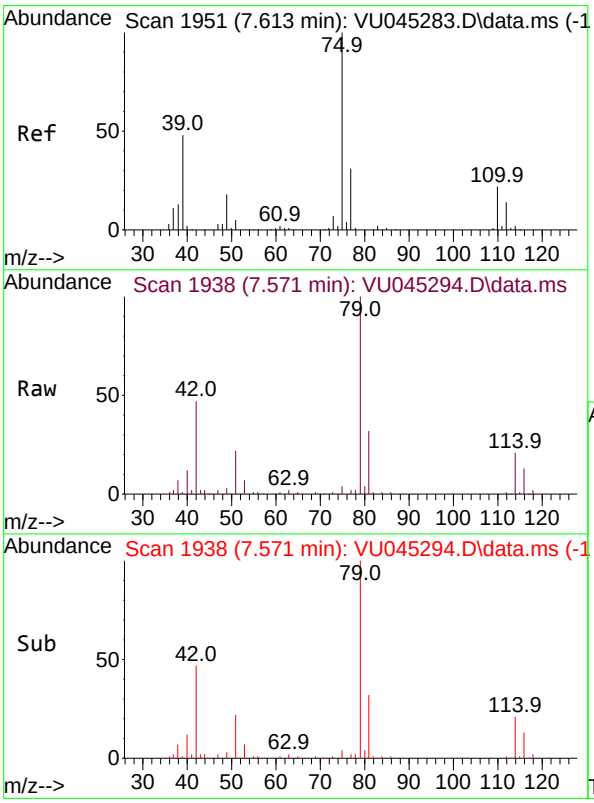

#35
Methylcyclohexane
Concen: 19.247 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 83 Resp: 79272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.9 | 65.8 | 98.6 |
| 98 | 46.2 | 37.1 | 55.7 |



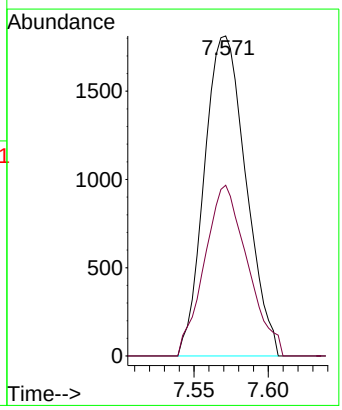

**Instrument :**
MSVOA_U
**ClientSampleId :**



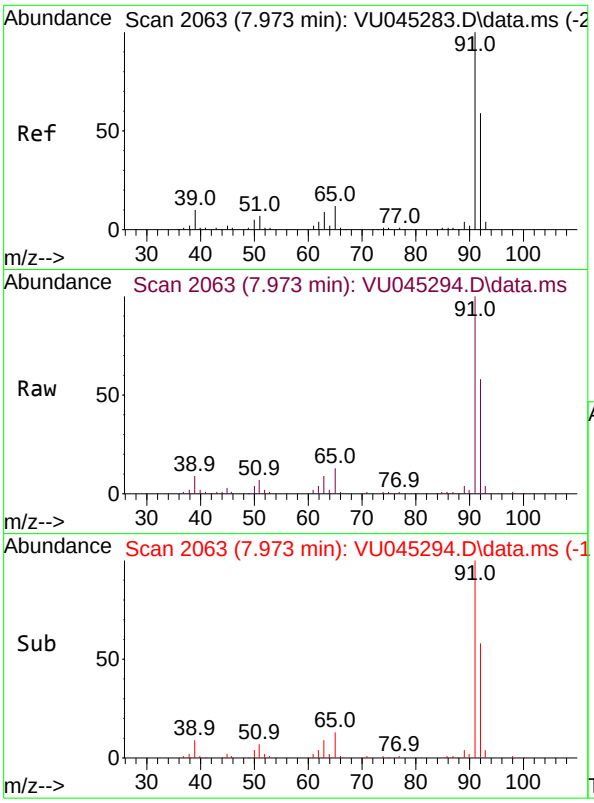

#39
cis-1,3-Dichloropropene
Concen: 0.885 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 75 Resp: 3532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 53.3 | 22.4 | 41.6# |



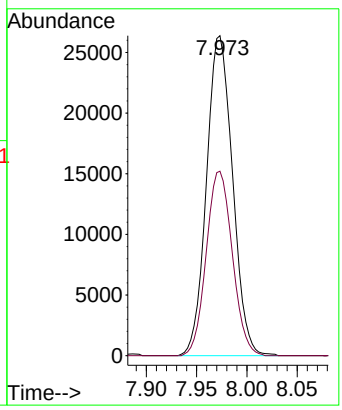
**Instrument :**
MSVOA_U
**ClientSampleId :**

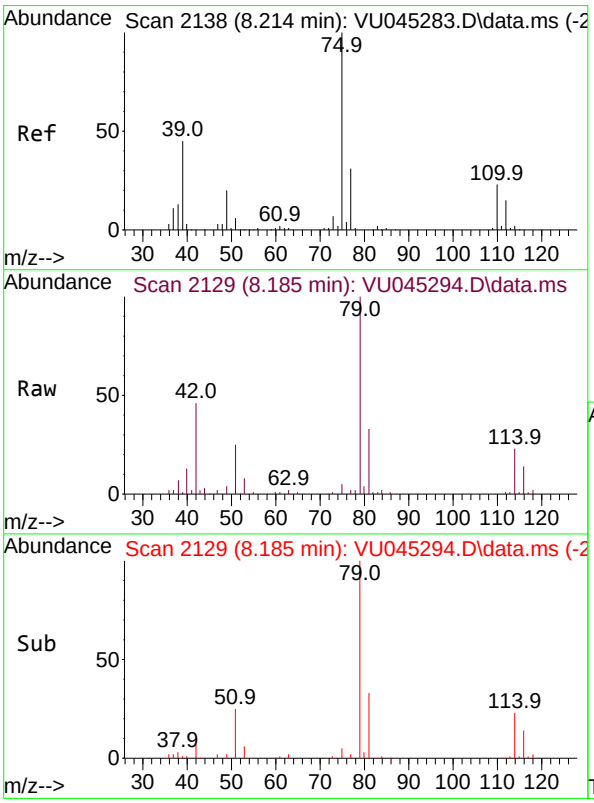



#42
Toluene
Concen: 4.580 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 91 Resp: 47657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.7 | 40.5 | 75.1 |

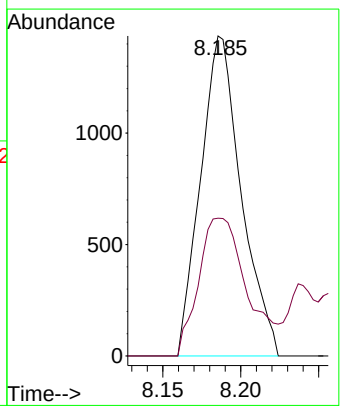


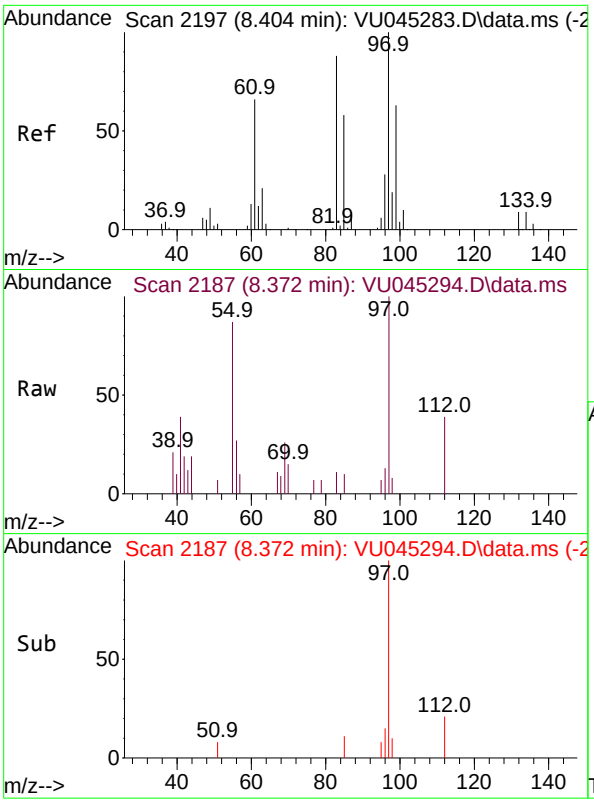




#44
trans-1,3-Dichloropropene
Concen: 0.686 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 75 Resp: 2603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.0 | 21.7 | 40.3# |

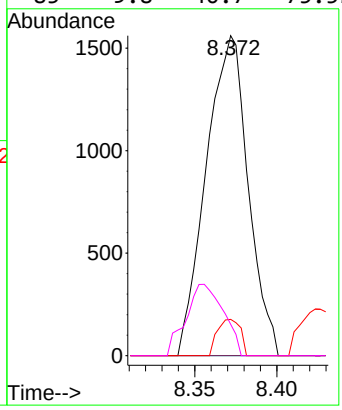




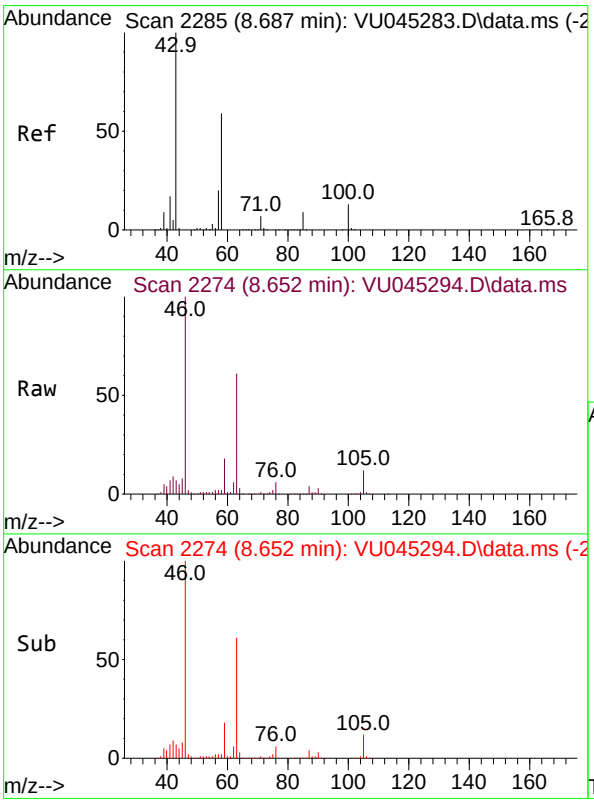

#45
1,1,2-Trichloroethane
Concen: 1.097 ug/L
RT: 8.372 min Scan# 2187
Delta R.T. -0.032 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 97 Resp: 2773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 43.7 | 81.1# |
| 83 | 11.3 | 61.9 | 115.1# |
| 85 | 9.8 | 40.7 | 75.5# |



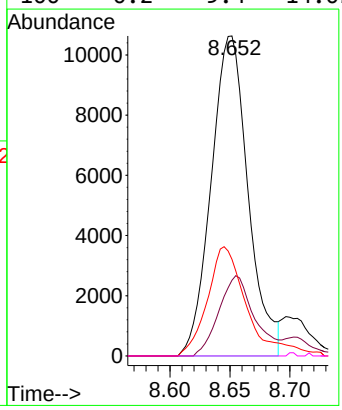

**Instrument :**
MSVOA_U
**ClientSampleId :**



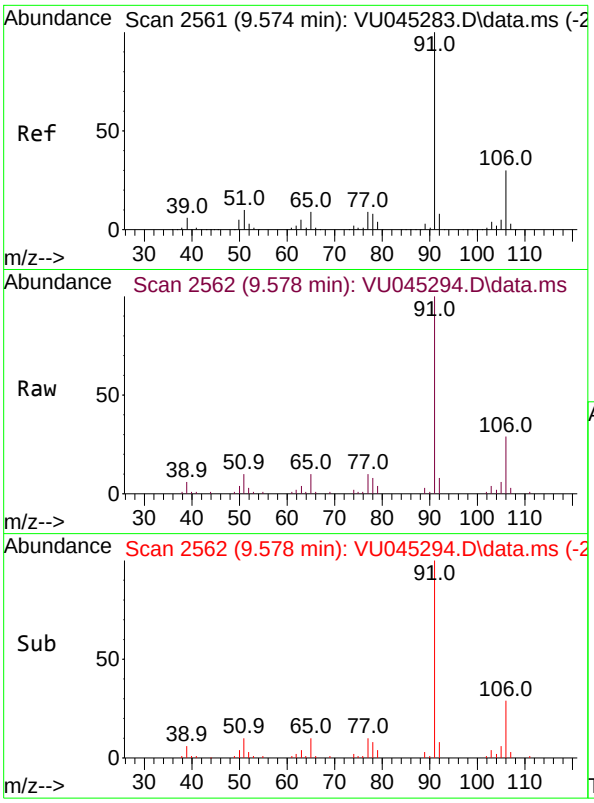

#48
2-Hexanone
Concen: 5.518 ug/L
RT: 8.652 min Scan# 2274
Delta R.T. -0.035 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 43 Resp: 22795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.1 | 44.9 | 67.3# |
| 57 | 36.3 | 15.5 | 23.3# |
| 100 | 0.2 | 9.4 | 14.0# |



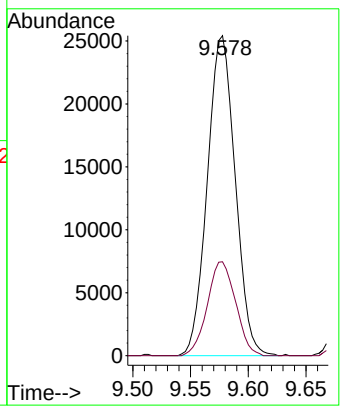
**Instrument :**
MSVOA_U
**ClientSampleId :**

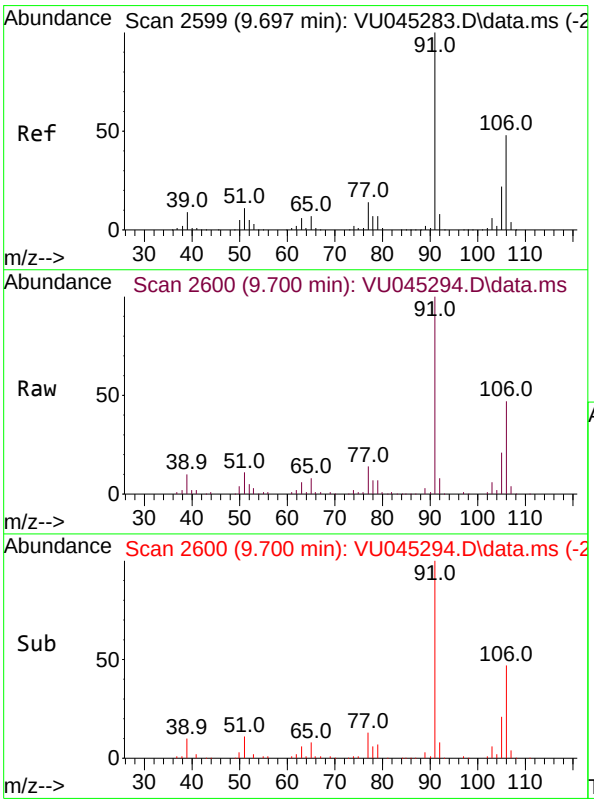



#52
Ethylbenzene
Concen: 3.882 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion: 91 Resp: 42673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.4 | 21.2 | 39.4 |

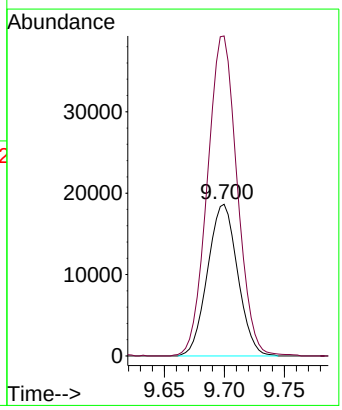


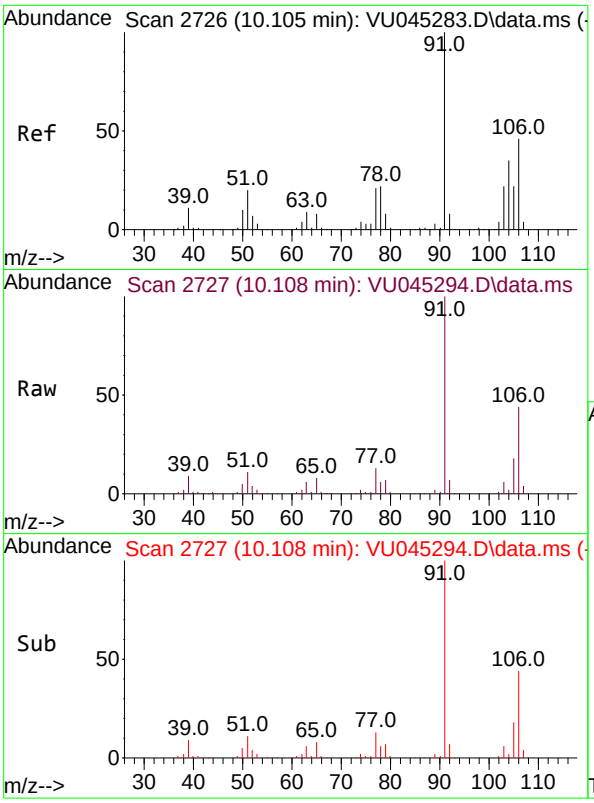

#53
m,p-Xylene
Concen: 7.806 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:106 Resp: 32507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.9 | 146.7 | 272.4 |



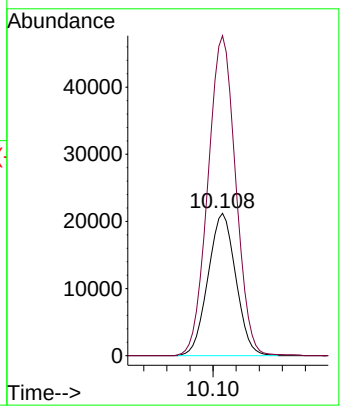
**Instrument :**
MSVOA_U
**ClientSampleId :**

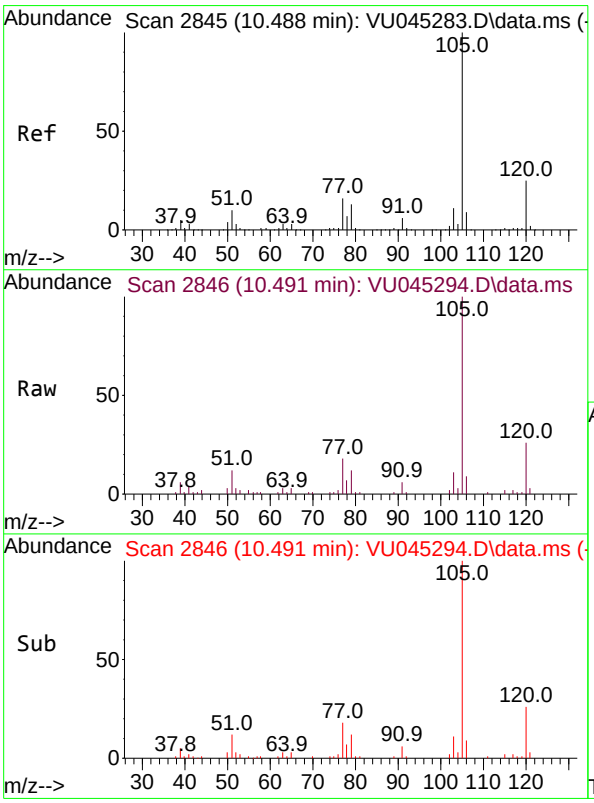



#54
o-xylene
Concen: 8.666 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:106 Resp: 35464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 224.8 | 152.9 | 283.9 |

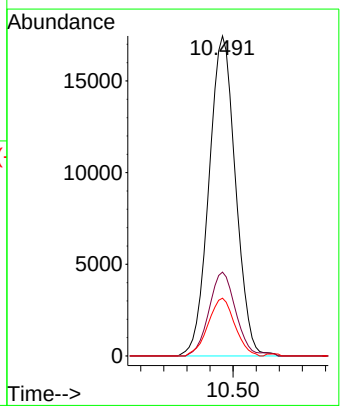


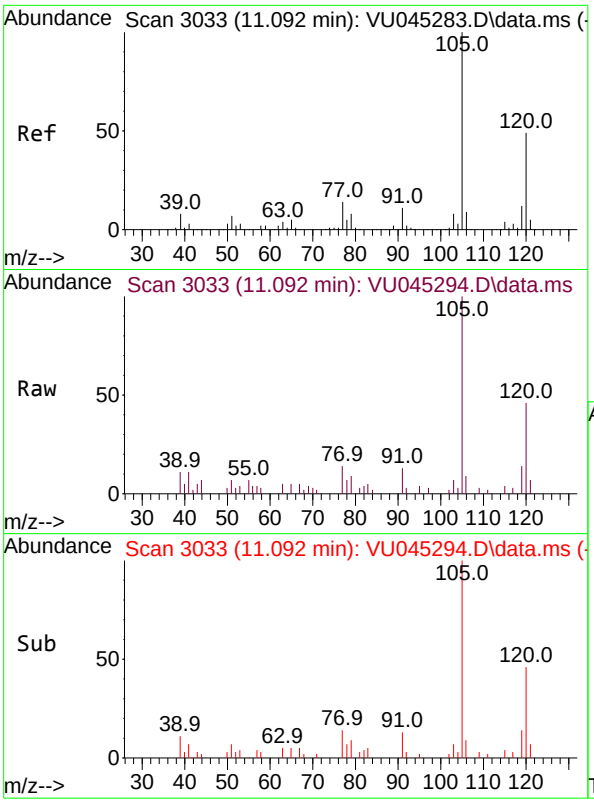

#61
Isopropylbenzene
Concen: 2.909 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:105 Resp: 27898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.1 | 20.5 | 30.7 |
| 77 | 18.1 | 13.5 | 20.3 |



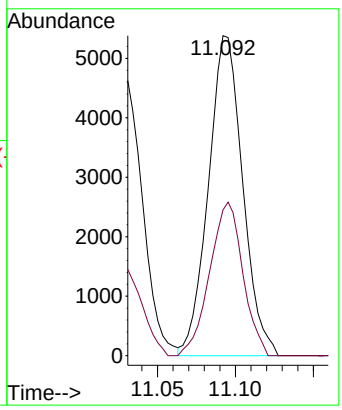
**Instrument :**
MSVOA_U
**ClientSampleId :**

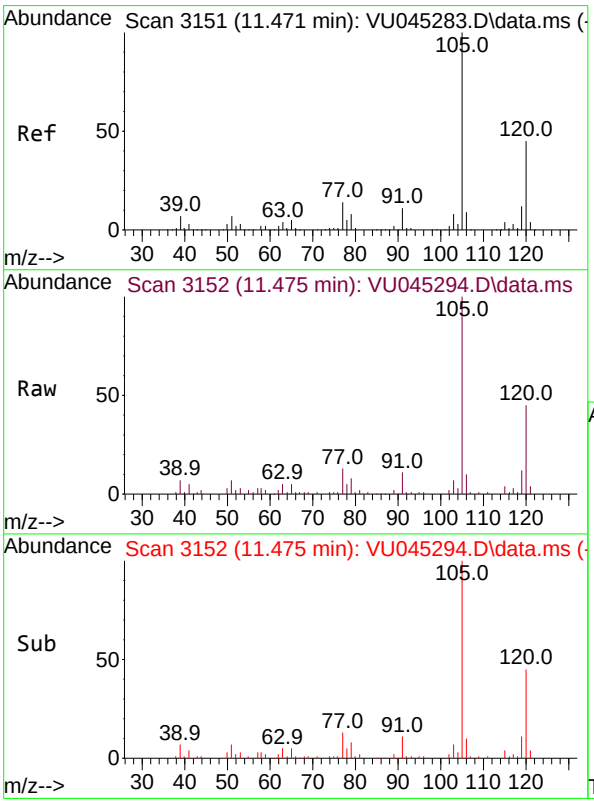



#62
1,3,5-Trimethylbenzene
Concen: 1.027 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:105 Resp: 8227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.4 | 38.8 | 58.2 |

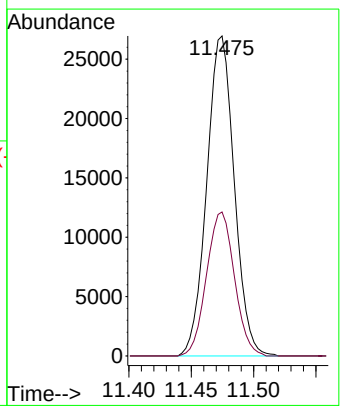


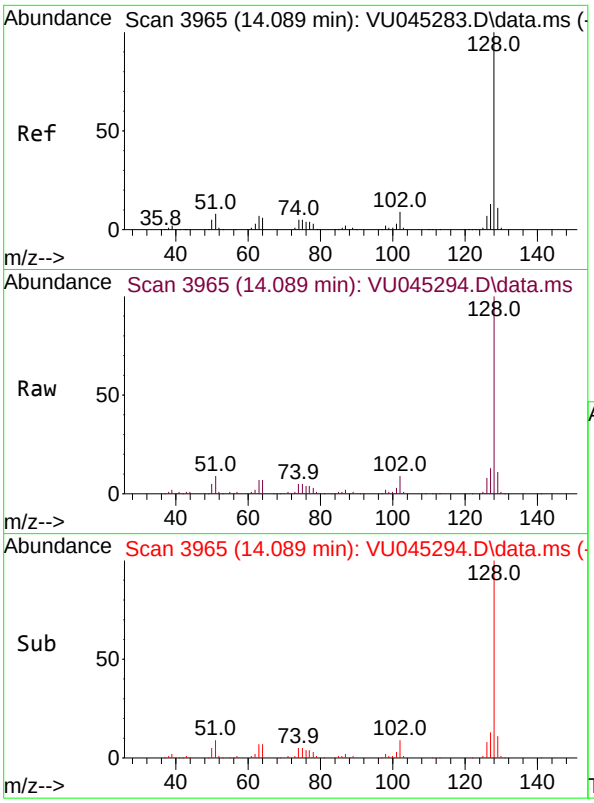




#63
1,2,4-Trimethylbenzene
Concen: 5.056 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:105 Resp: 41464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.6 | 35.7 | 53.5 |

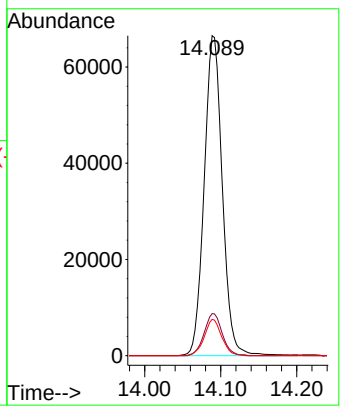





#71
Naphthalene
Concen: 12.435 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. -0.000 min
Lab File: VU045294.D
Acq: 12 Oct 2021 16:10

Tgt Ion:128 Resp: 110131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.4 | 15.6 |
| 129 | 10.9 | 8.8 | 13.2 |




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