Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
Data File : VY006521.D
Acq On : 28 Oct 2021 17:21
Operator : SY/MD
Sample : M4373-03
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** SU-04-102621

Quant Time: Oct 29 07:05:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.795 | 168 | 2725 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.691 | 114 | 4551 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.496 | 117 | 4437 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152 | 1215 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.155 | 65 | 2356 | 70.259 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 140.520% | | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 372 | 14.665 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 29.340%# | | | |
| 50) Toluene-d8 | 10.185 | 98 | 5789 | 53.836 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 107.680% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 1656 | 45.717 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 91.440% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 2.125 | 50 | 115 | 3.382 | ug/l # | 43 |
| 4) Vinyl Chloride | 2.272 | 62 | 147 | 3.871 | ug/l # | 44 |
| 10) Methyl Iodide | 4.101 | 142 | 19 | 5.696 | ug/l # | 36 |
| 16) Acetone | 3.954 | 43 | 53 | 5.489 | ug/l # | 46 |
| 20) Methylene Chloride | 4.716 | 84 | 41 | Below Cal | # | 44 |
| 36) 1,1-Dichloropropene | 7.789 | 75 | 257 | 5.715 | ug/l # | 42 |
| 38) Carbon Tetrachloride | 7.801 | 117 | 245 | 4.939 | ug/l # | 12 |
| 76) 1,2,3-Trichloropropane | 12.483 | 75 | 973 | 77.714 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75 | 973 | 159.544 | ug/l # | 7 |
| 89) n-Butylbenzene | 13.690 | 91 | 102 | 1.384 | ug/l # | 33 |

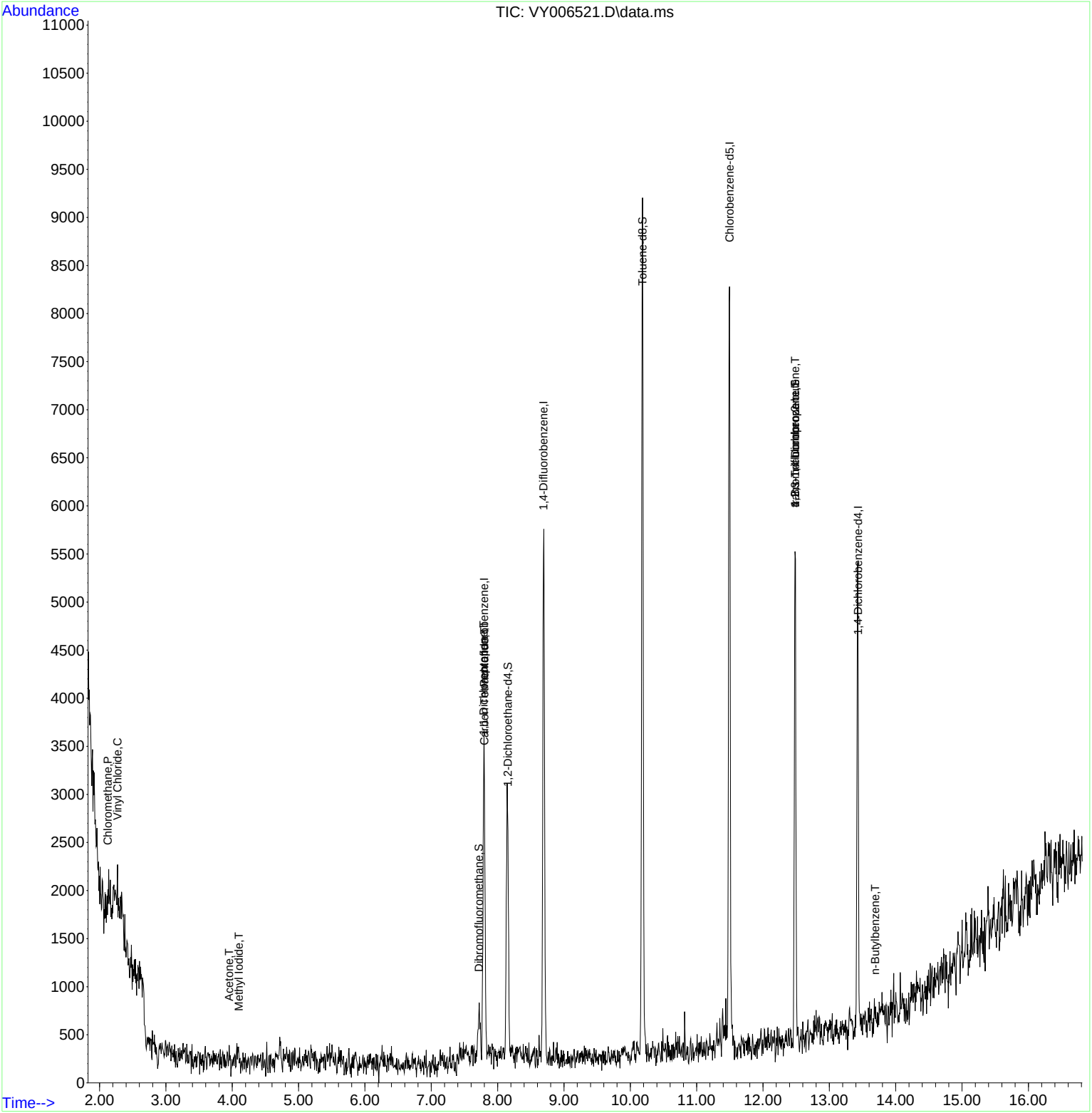
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

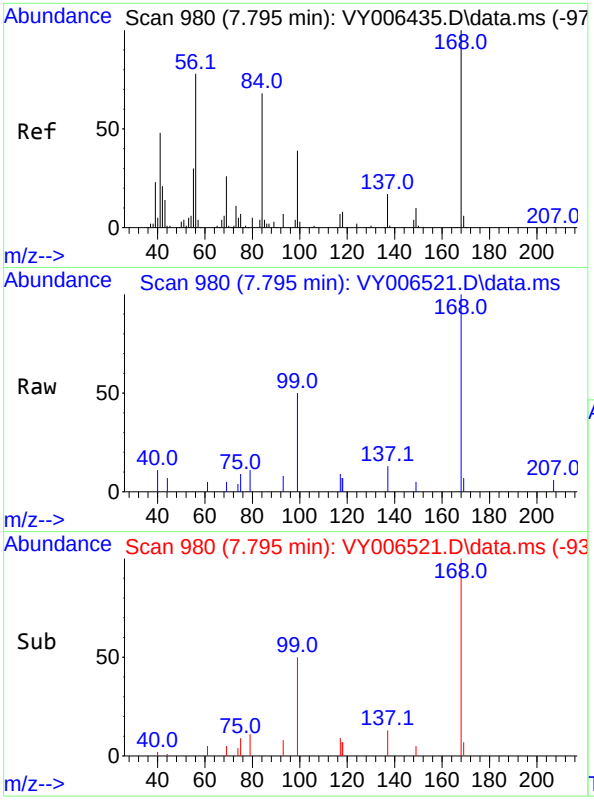
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
Data File : VY006521.D
Acq On : 28 Oct 2021 17:21
Operator : SY/MD
Sample : M4373-03
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

Quant Time: Oct 29 07:05:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
Response via : Initial Calibration



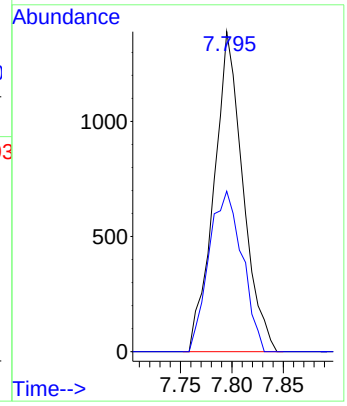
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

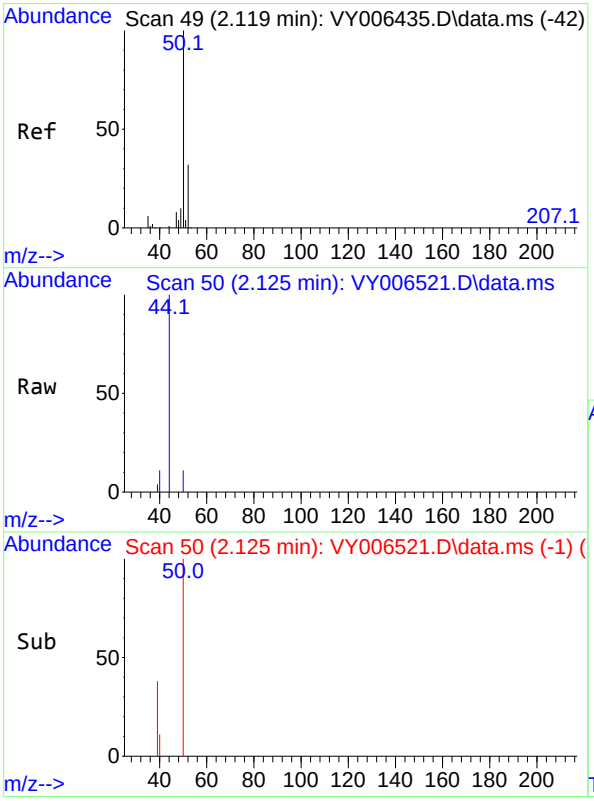



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:168 Resp: 2725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.1 | 44.8 | 67.2 |

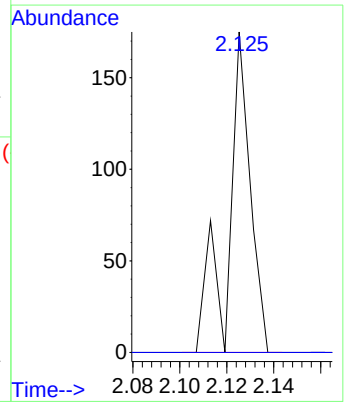


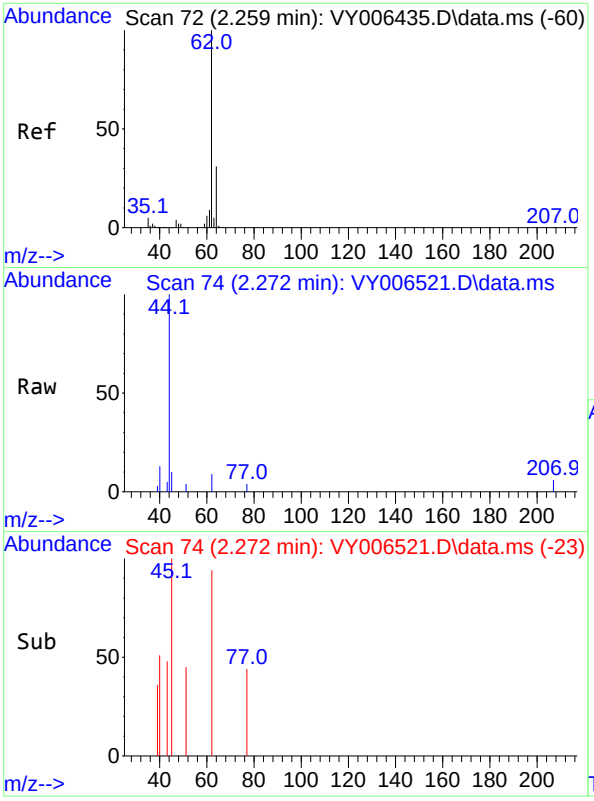




#3
Chloromethane
Concen: 3.382 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 50 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 25.4 | 38.2# |

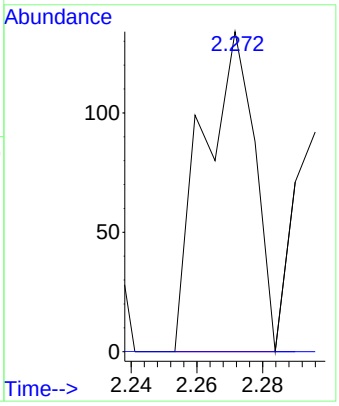




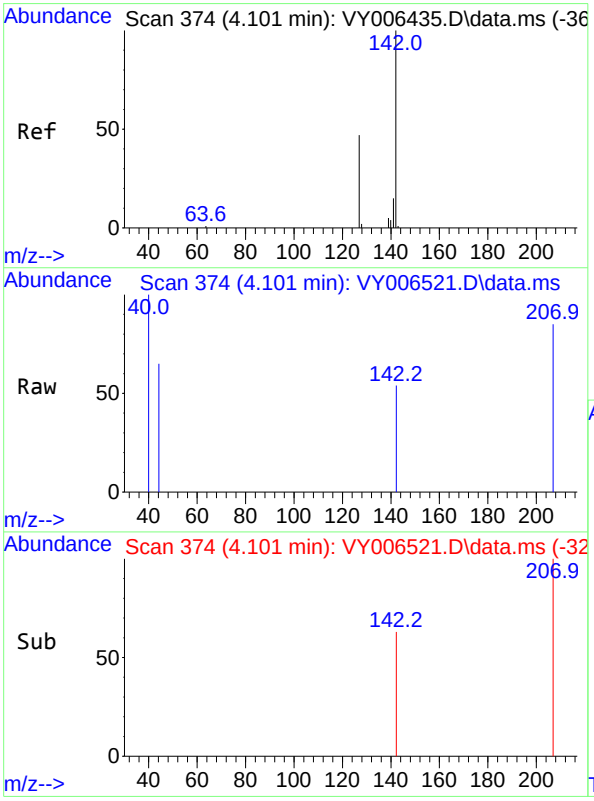

#4
Vinyl Chloride
Concen: 3.871 ug/l
RT: 2.272 min Scan# 74
Delta R.T. 0.012 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 62 Resp: 147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 0.0 | 24.7 | 37.1# |



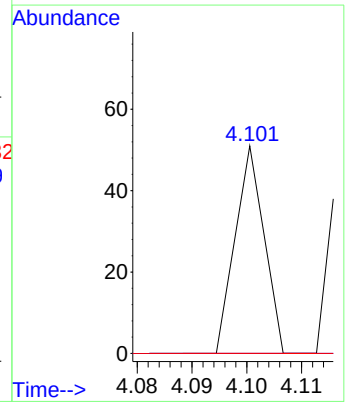

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

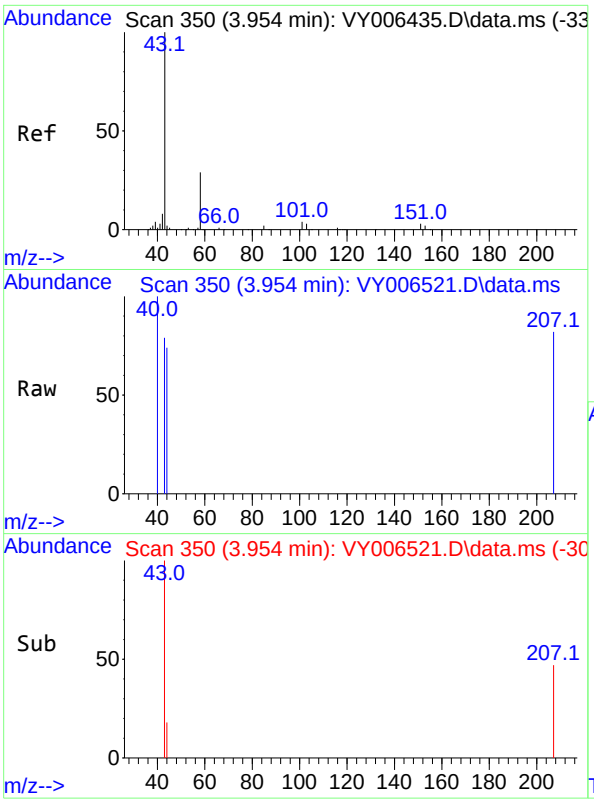



#10
Methyl Iodide
Concen: 5.696 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:142 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 40.1 | 60.1# |
| 141 | 0.0 | 12.5 | 18.7# |

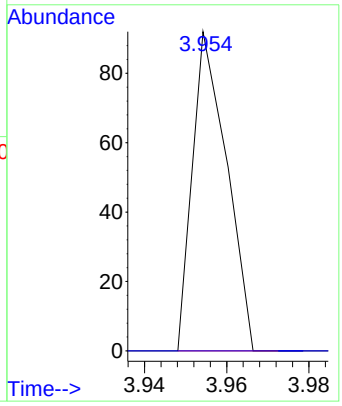




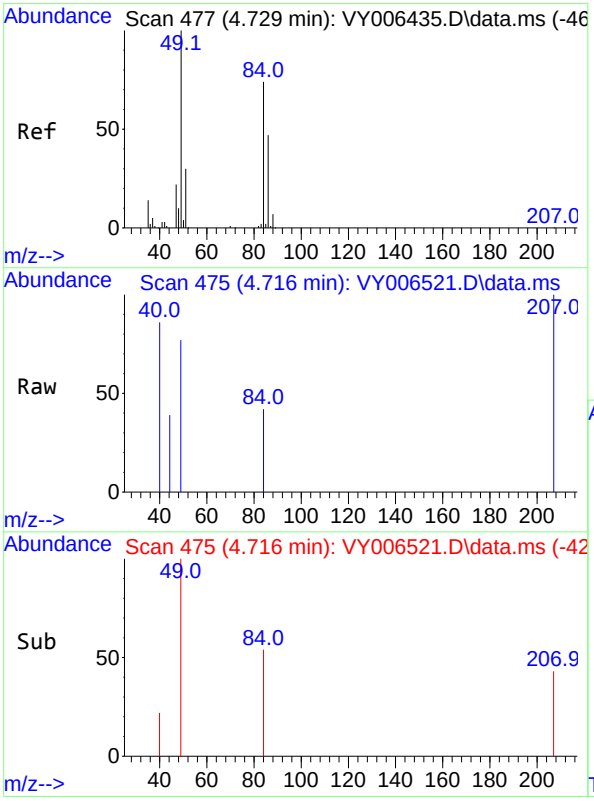

#16
Acetone
Concen: 5.489 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 43 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 22.9 | 34.3# |



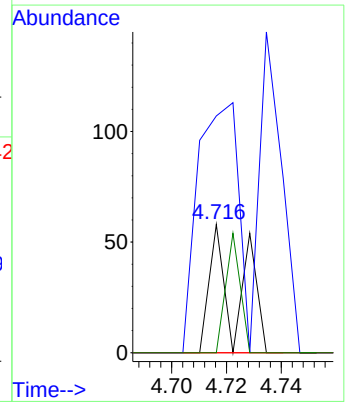

**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621



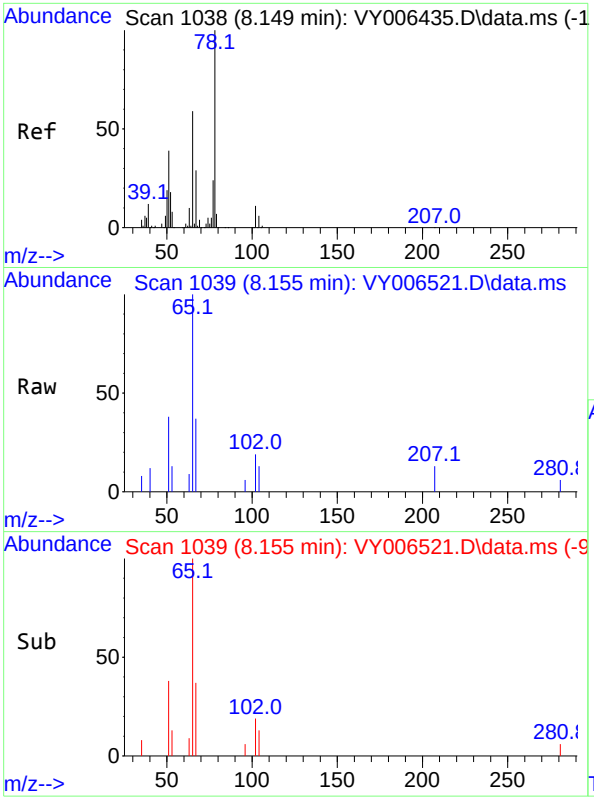

#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 84 Resp: 41

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 184.5 | 107.8 | 161.8# |
| 51 | 0.0 | 32.8 | 49.2# |
| 86 | 0.0 | 50.6 | 75.8# |



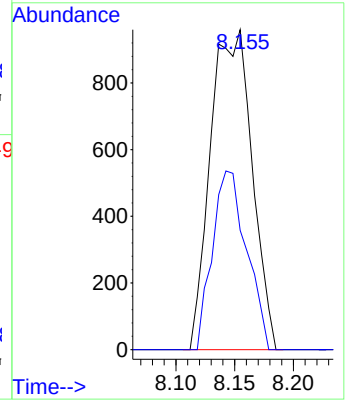
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

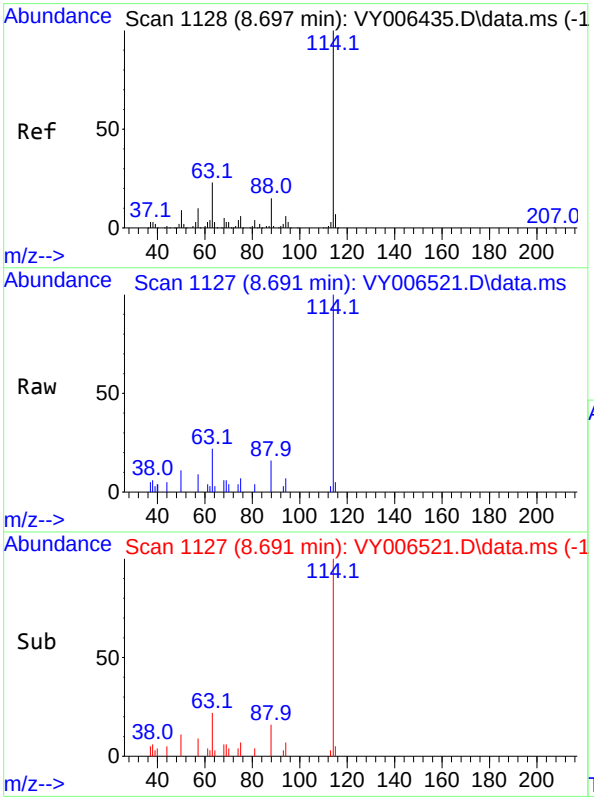



#33
1,2-Dichloroethane-d4
Concen: 70.259 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 65 Resp: 2356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 46.1 | 0.0 | 98.2 |

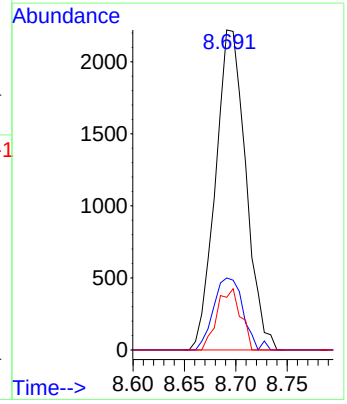


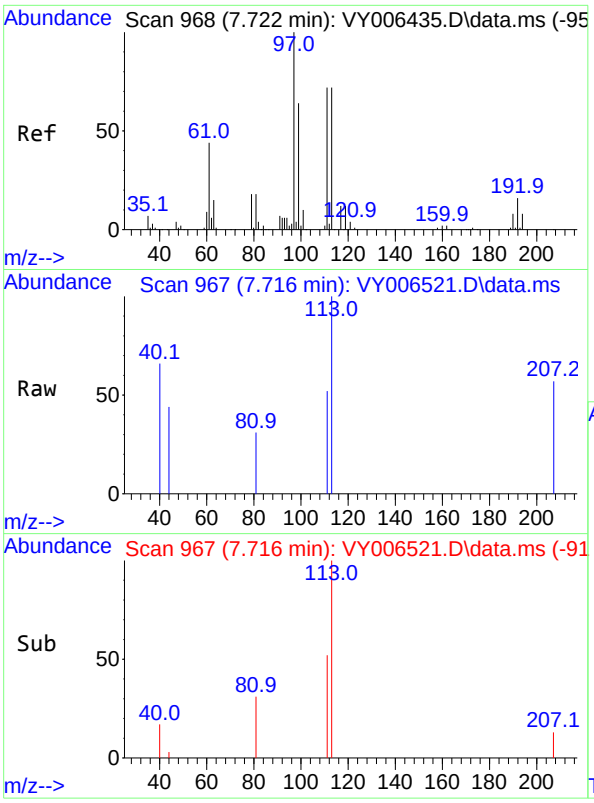

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:114 Resp: 4551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 45.0 |
| 88 | 16.4 | 0.0 | 30.6 |



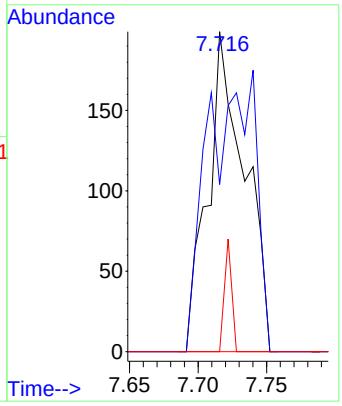
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

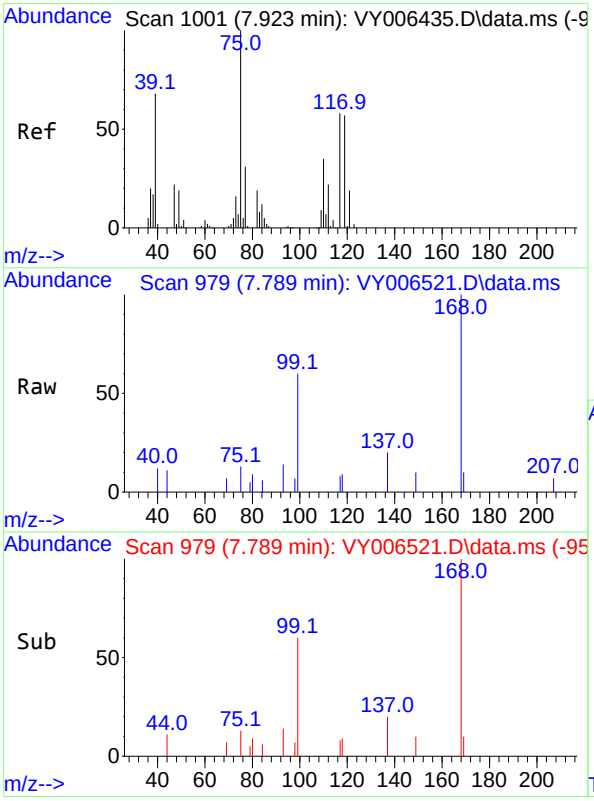



#35
Dibromofluoromethane
Concen: 14.665 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:113 Resp: 372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 44.4 | 82.3 | 123.5# |
| 192 | 7.0 | 17.4 | 26.2# |

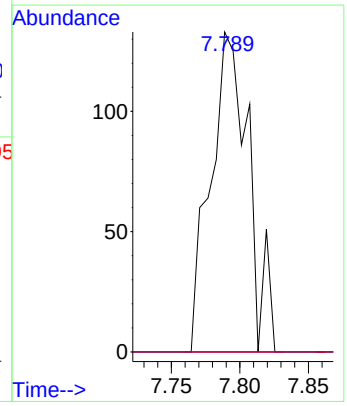


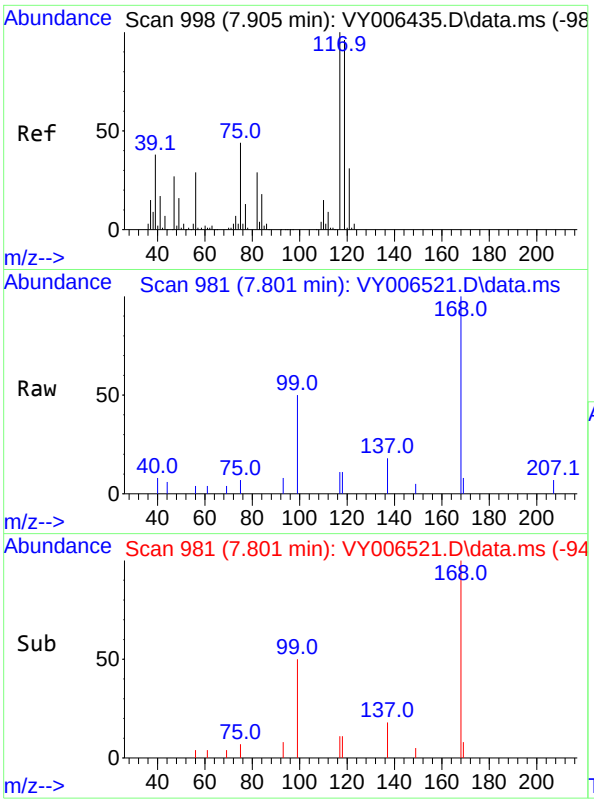

#36
1,1-Dichloropropene
Concen: 5.715 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 75 Resp: 257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 17.1 | 51.3# |
| 77 | 0.0 | 24.9 | 37.3# |



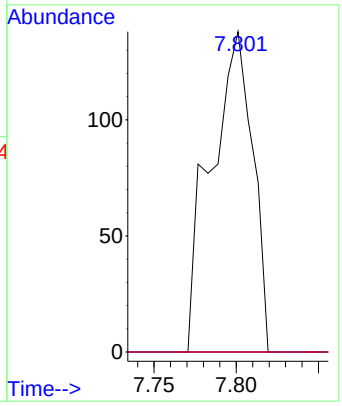
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

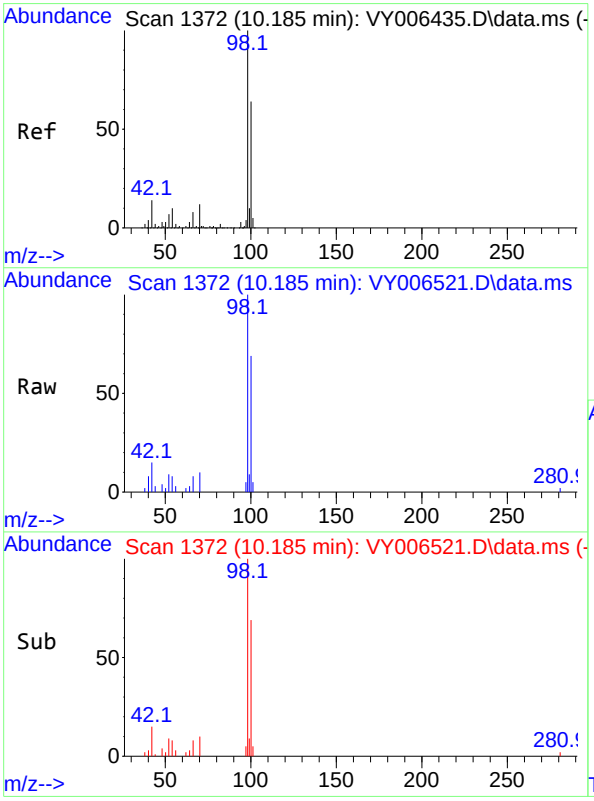



#38
Carbon Tetrachloride
Concen: 4.939 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:117 Resp: 245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 76.6 | 115.0# |
| 121 | 0.0 | 24.7 | 37.1# |

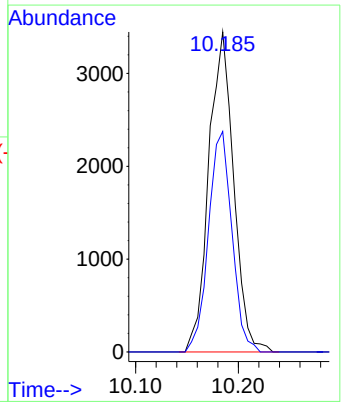


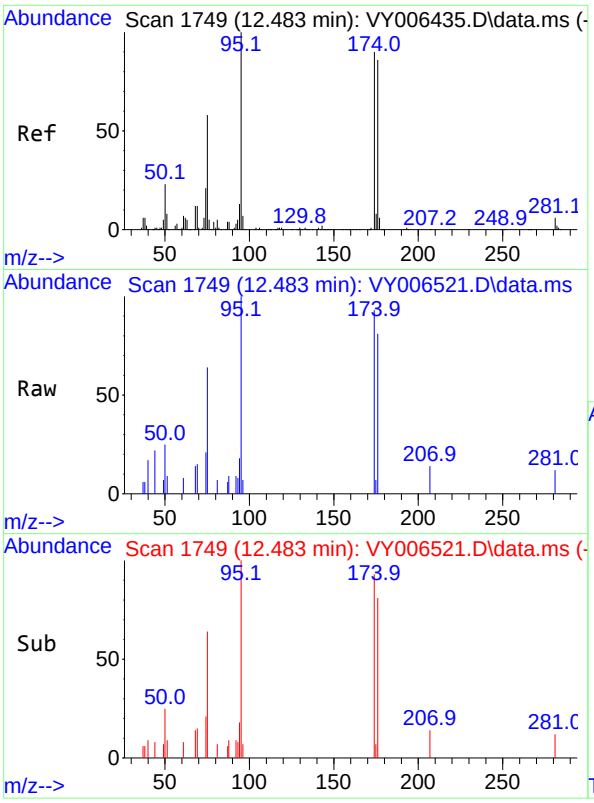

#50
Toluene-d8
Concen: 53.836 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 98 Resp: 5789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 50.9 | 76.3 |



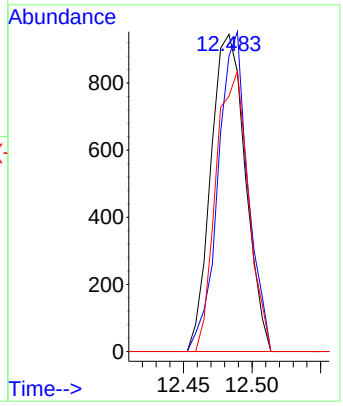
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

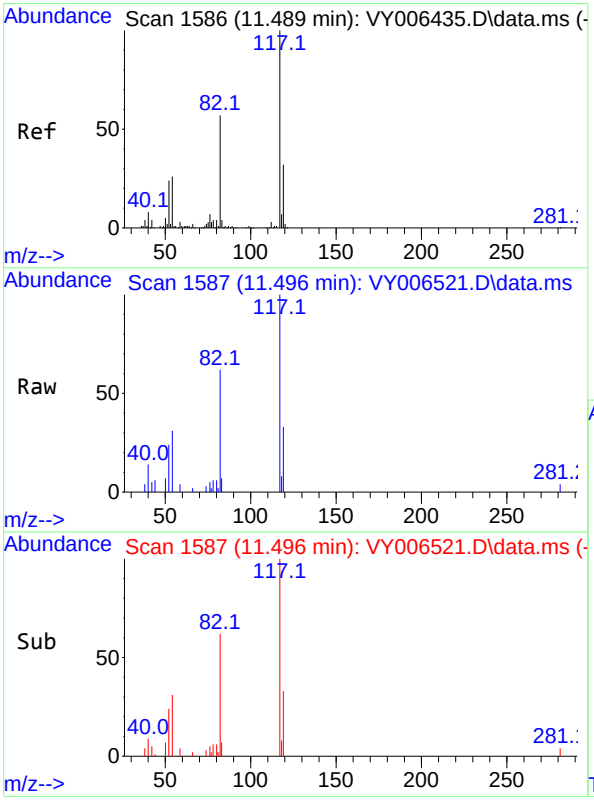



#62
4-Bromofluorobenzene
Concen: 45.717 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 95 Resp: 1656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.0 | 0.0 | 177.0 |
| 176 | 83.0 | 0.0 | 169.4 |

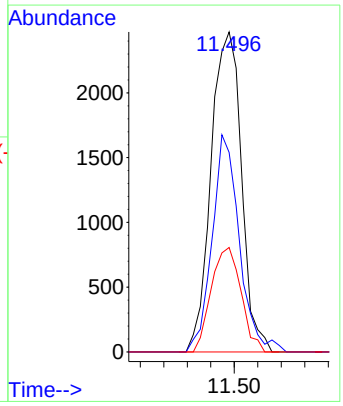


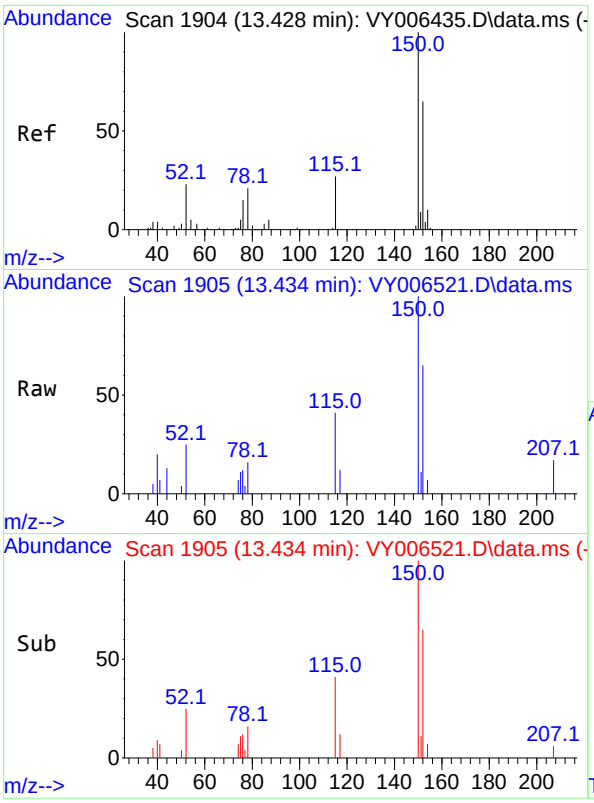

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:117 Resp: 4437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.3 | 45.7 | 68.5 |
| 119 | 32.7 | 25.5 | 38.3 |



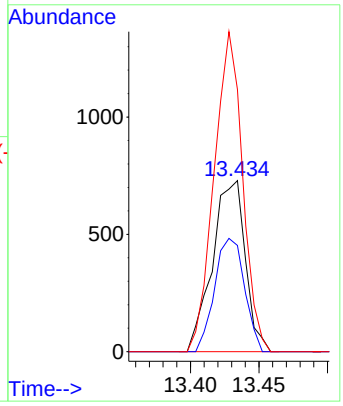
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

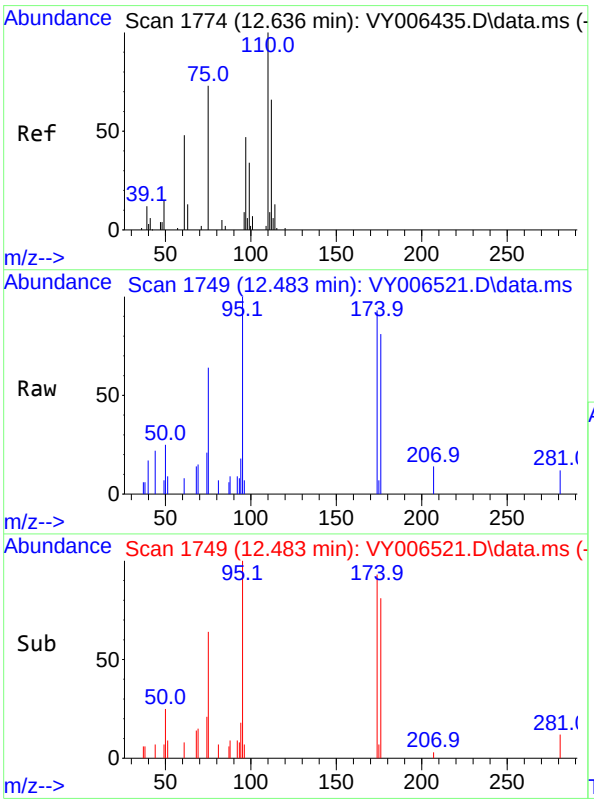



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion:152 Resp: 1215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 28.5 | 85.5 |
| 150 | 162.3 | 0.0 | 348.2 |

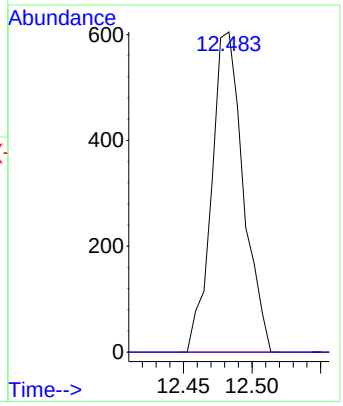


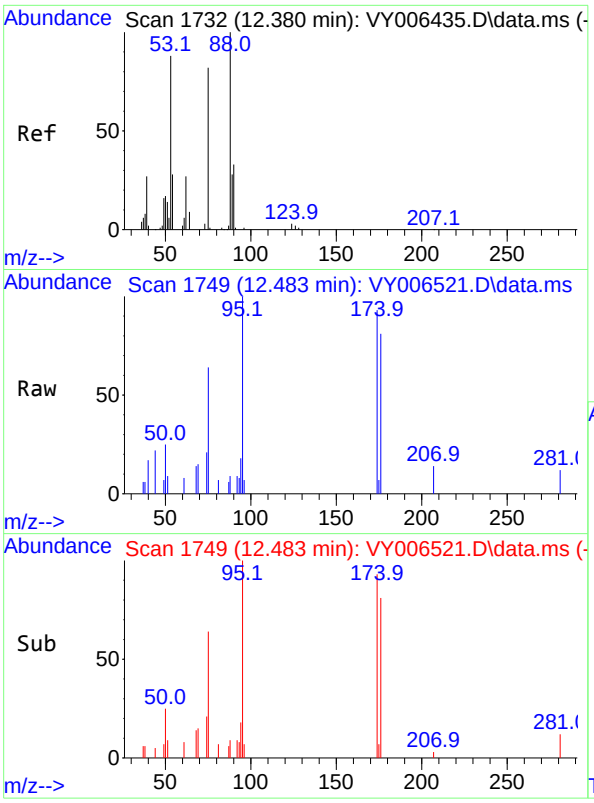

#76
1,2,3-Trichloropropane
Concen: 77.714 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 75 Resp: 973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



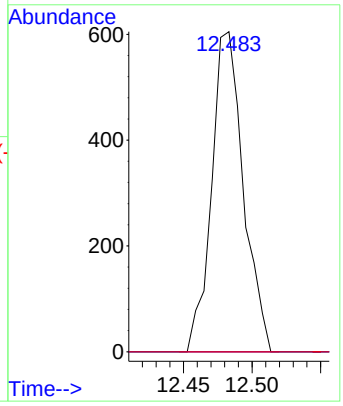
**Instrument :**
MSVOA_Y
**ClientSampleId :**
SU-04-102621

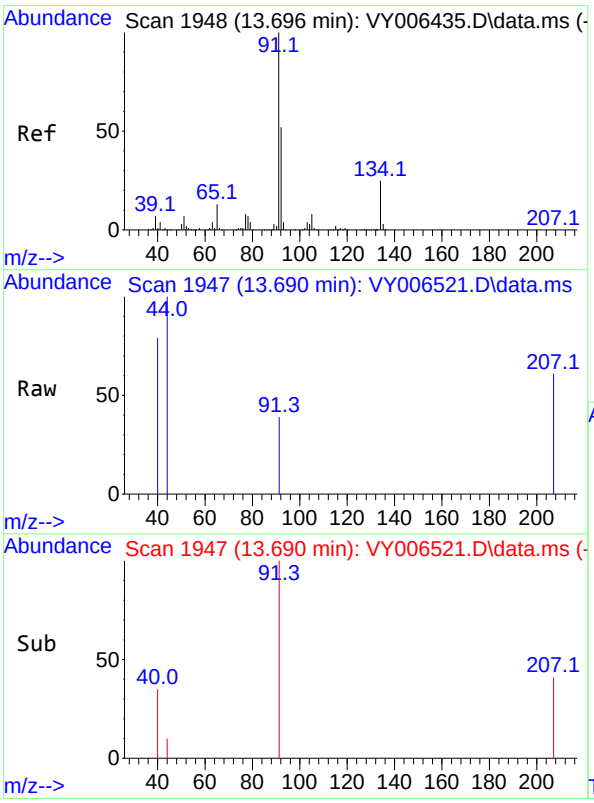



#81
trans-1,4-Dichloro-2-butene
Concen: 159.544 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 75 Resp: 973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 85.8 | 128.6# |
| 89 | 0.0 | 39.3 | 58.9# |




#89
n-Butylbenzene
Concen: 1.384 ug/l
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY006521.D
Acq: 28 Oct 2021 17:21

Tgt Ion: 91 Resp: 102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 0.0 | 26.3 | 78.9# |
| 134 | 0.0 | 12.9 | 38.7# |