Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
Data File : VY011870.D
Acq On : 15 Dec 2022 14:36
Operator : KP/MD
Sample : N6038-16
Misc : 3.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Quant Time: Dec 16 00:14:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
Quant Title : SW846 8260
QLast Update : Sat Dec 10 04:19:59 2022
Response via : Initial Calibration

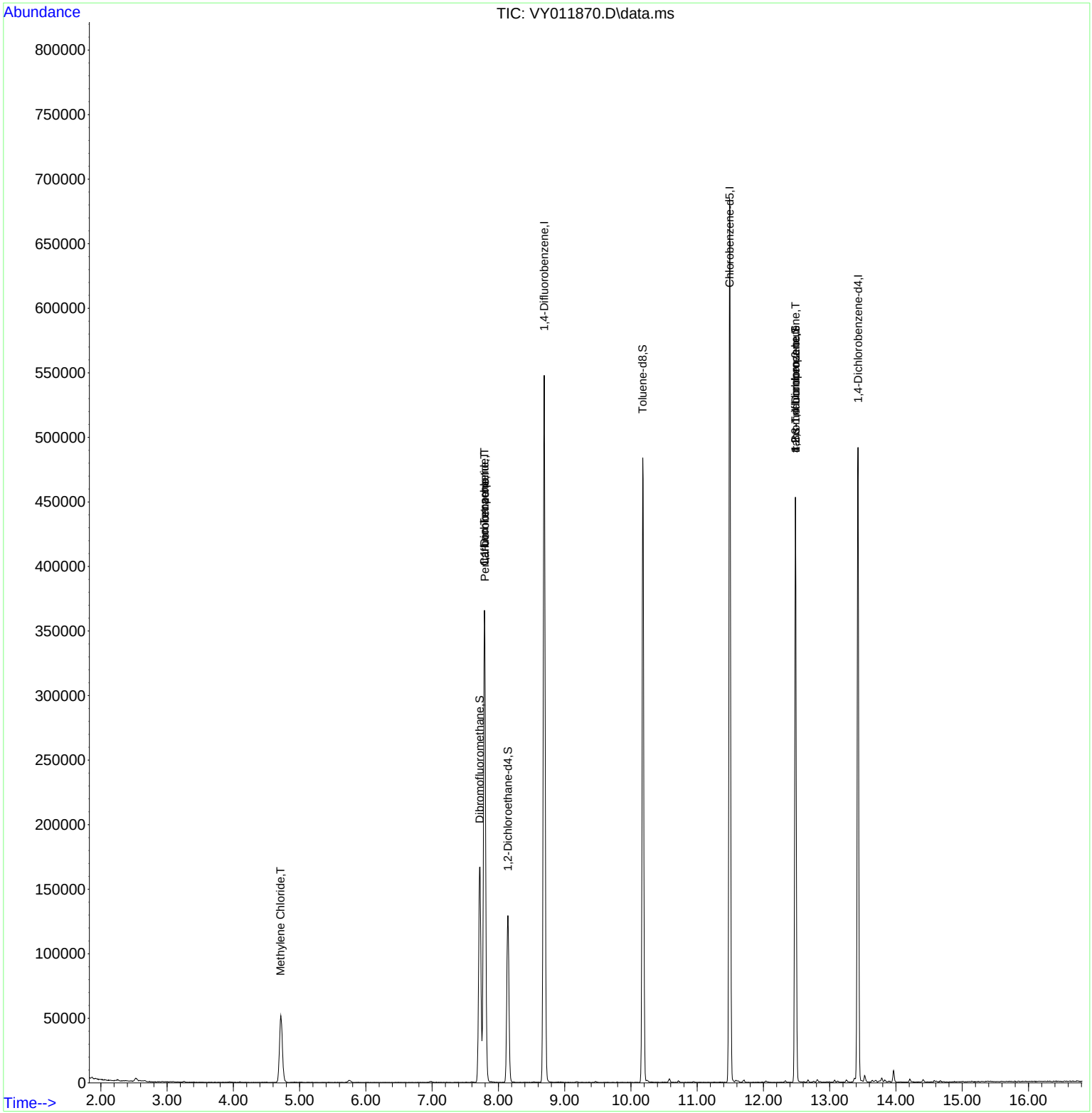
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.795 | 168 | 283089 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.691 | 114 | 468086 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.489 | 117 | 371154 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152 | 128204 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.142 | 65 | 105834 | 55.294 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 110.580% | | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 119199 | 57.933 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 115.860% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 320399 | 46.529 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 93.060% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 128803 | 47.206 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 94.420% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.912 | 85 | 22 | Below Cal | # | 41 |
| 3) Chloromethane | 2.113 | 50 | 137 | Below Cal | # | 41 |
| 5) Bromomethane | 2.656 | 94 | 206 | Below Cal | | 93 |
| 11) Tert butyl alcohol | 4.917 | 59 | 90 | Below Cal | # | 74 |
| 18) Methyl Acetate | 4.484 | 43 | 304 | Below Cal | # | 50 |
| 20) Methylene Chloride | 4.710 | 84 | 39864 | 9.759 | ug/l | 94 |
| 31) Cyclohexane | 7.789 | 56 | 5656 | Below Cal | # | 1 |
| 36) 1,1-Dichloropropene | 7.789 | 75 | 21369 | 6.016 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 7.789 | 117 | 28148 | 6.746 | ug/l # | 18 |
| 76) 1,2,3-Trichloropropane | 12.483 | 75 | 68000 | 52.425 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75 | 68000 | 118.963 | ug/l # | 13 |

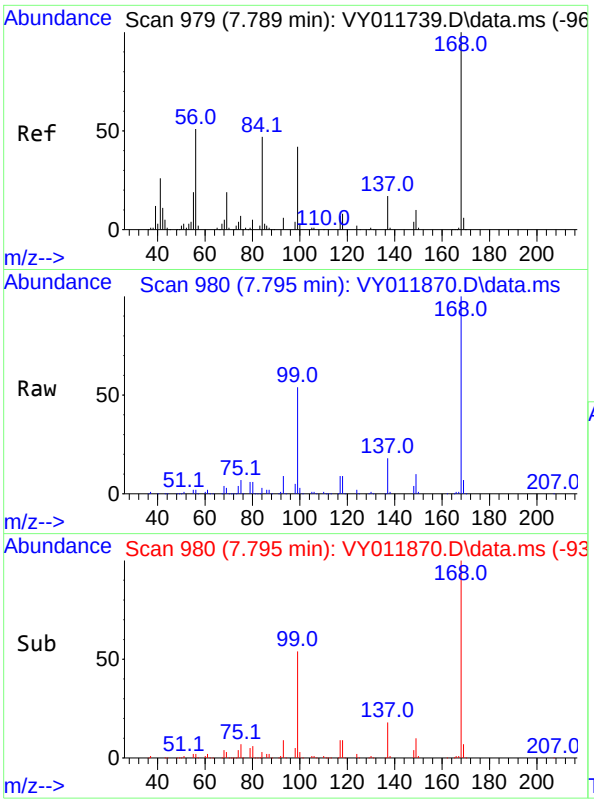
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
Data File : VY011870.D
Acq On : 15 Dec 2022 14:36
Operator : KP/MD
Sample : N6038-16
Misc : 3.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Quant Time: Dec 16 00:14:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
Quant Title : SW846 8260
QLast Update : Sat Dec 10 04:19:59 2022
Response via : Initial Calibration



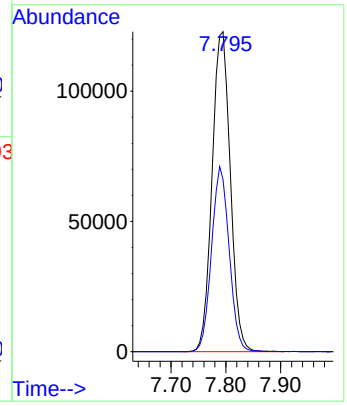


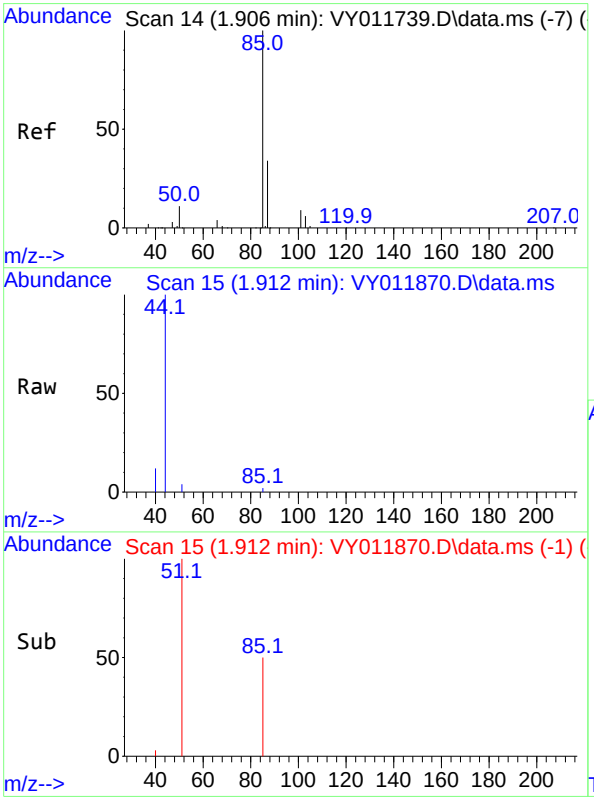

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion:168 Resp: 283089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.8 | 44.0 | 66.0 |

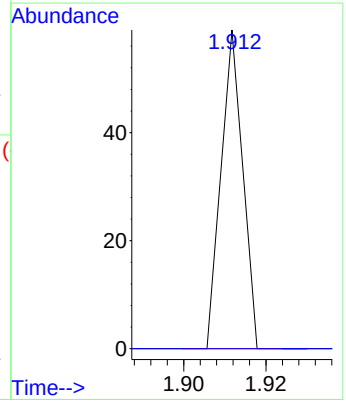


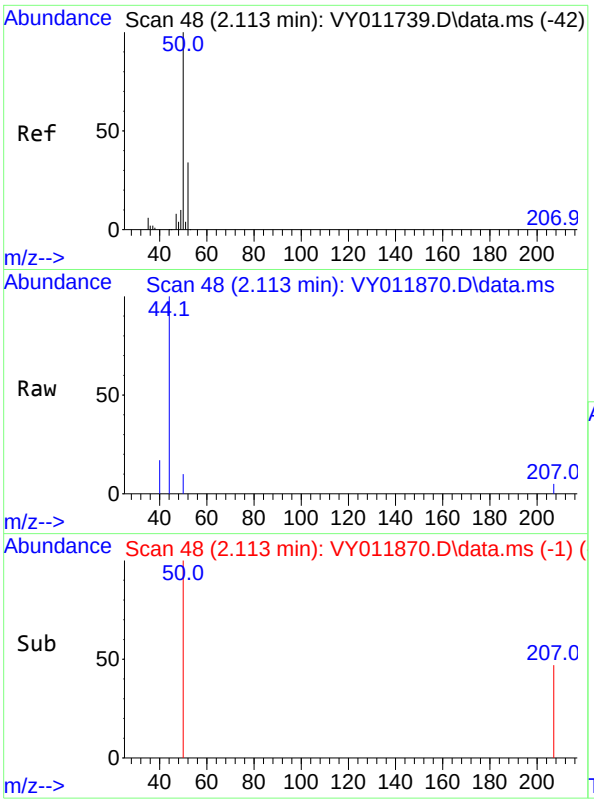




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion: 85 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 16.8 | 50.4# |



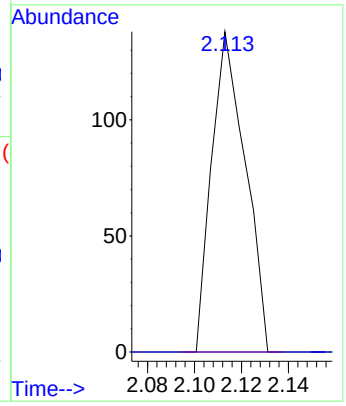


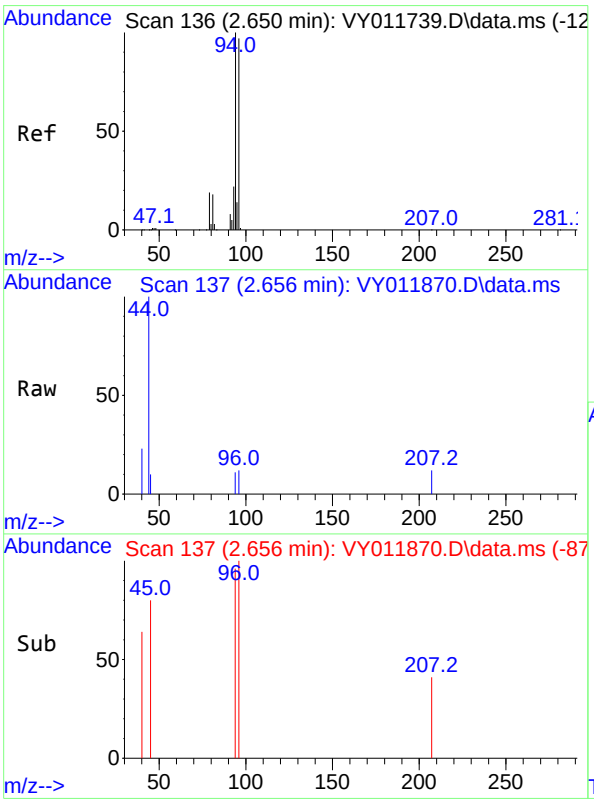

#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 4
Delta R.T. -0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion: 50 Resp: 137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 26.8 | 40.2# |

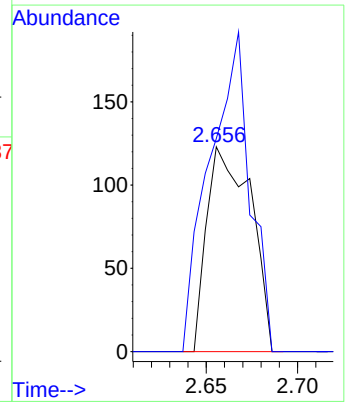


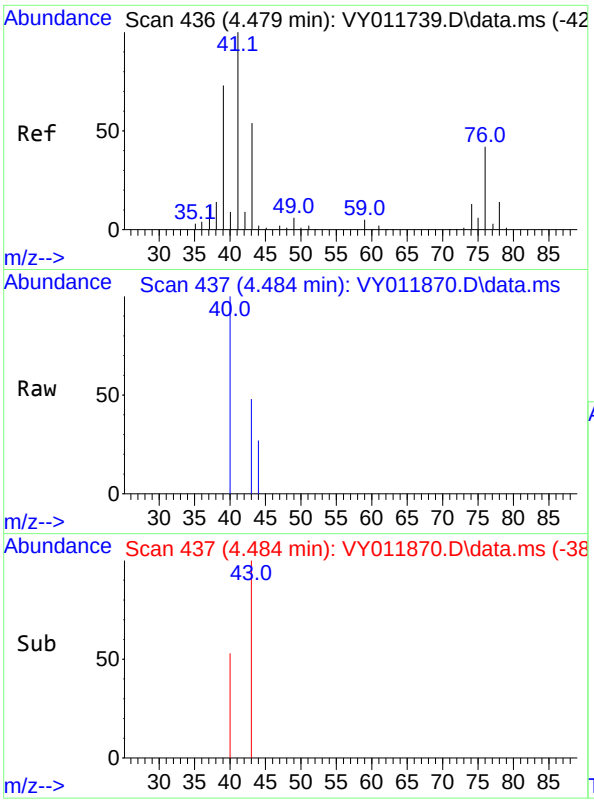




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion: 94 Resp: 206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 104.1 | 77.4 | 116.2 |



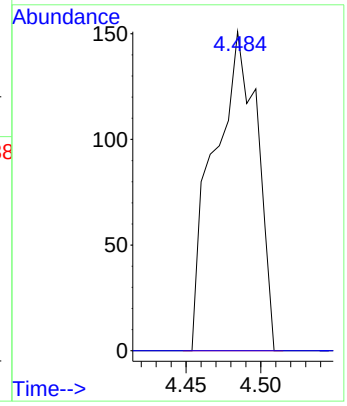


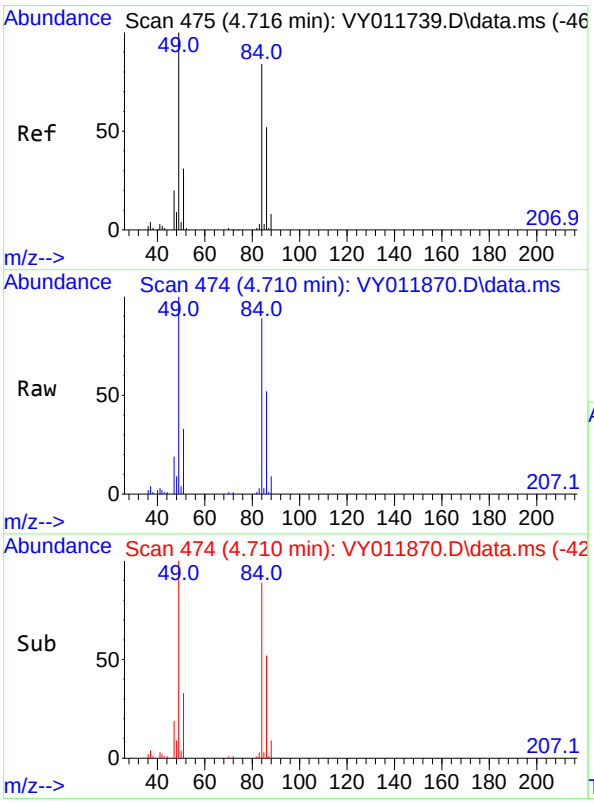

#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 4
Delta R.T. 0.005 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion: 43 Resp: 304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 20.1 | 30.1# |

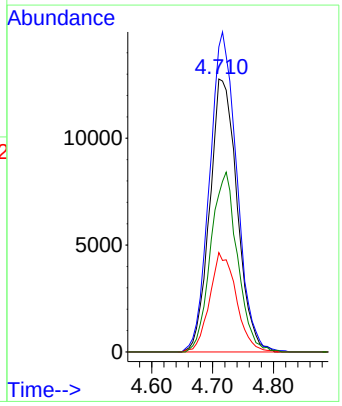


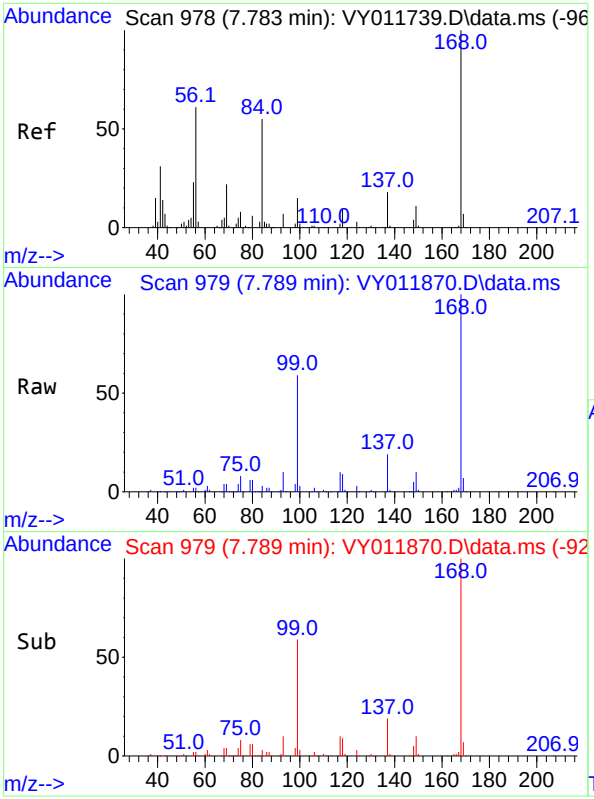




#20
Methylene Chloride
Concen: 9.759 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion: 84 Resp: 39864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.8 | 95.4 | 143.2 |
| 51 | 36.4 | 29.9 | 44.9 |
| 86 | 57.7 | 49.6 | 74.4 |



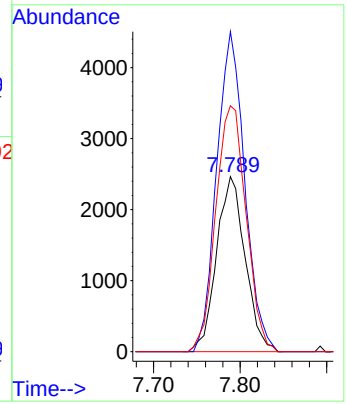


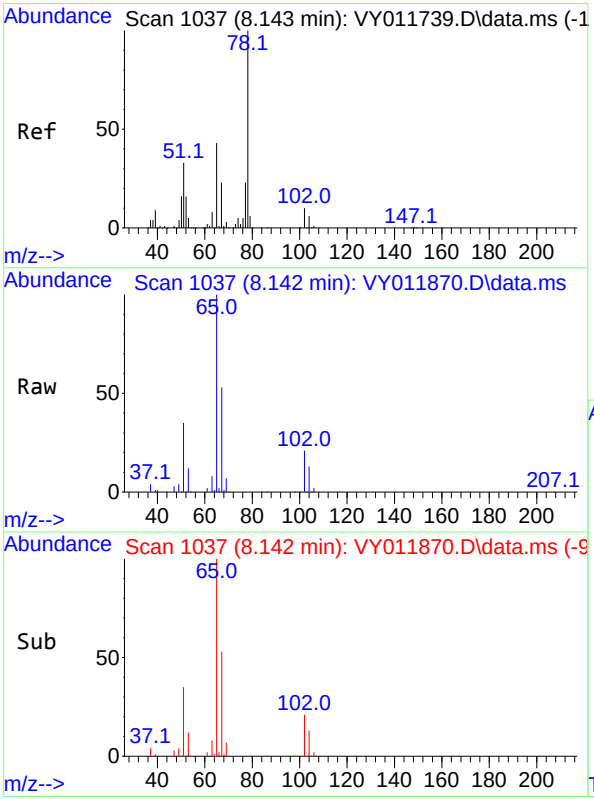

#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion: 56 Resp: 5656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 182.8 | 29.2 | 43.8# |
| 84 | 140.5 | 72.6 | 108.8# |

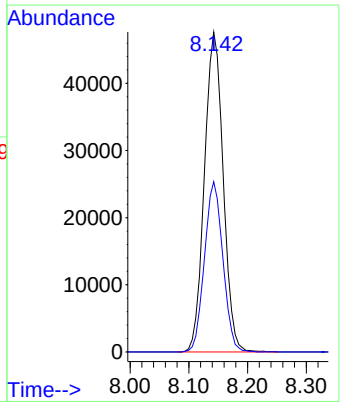


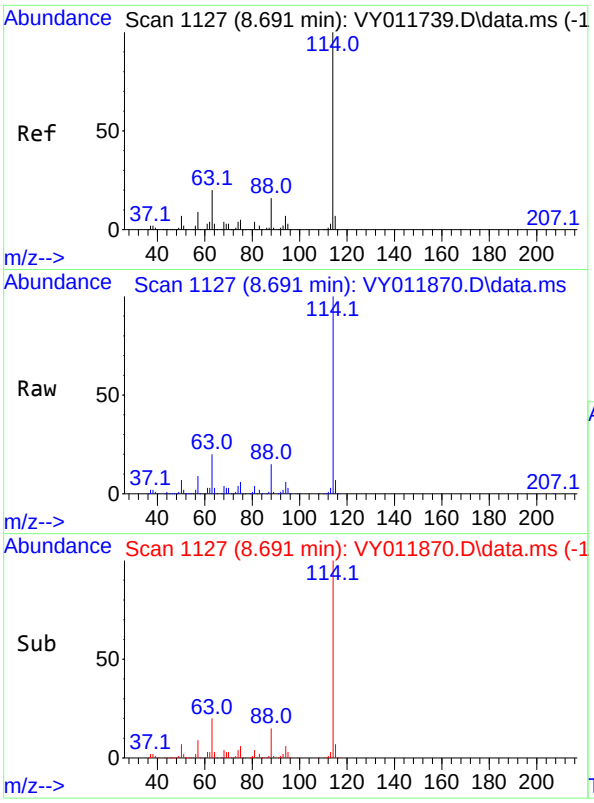




#33
1,2-Dichloroethane-d4
Concen: 55.294 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion: 65 Resp: 105834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 103.2 |



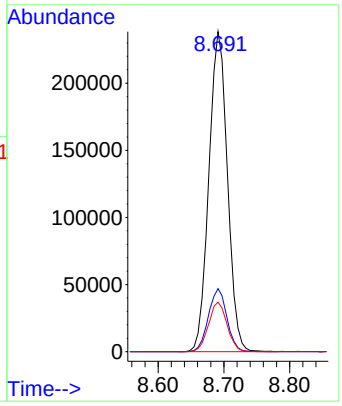


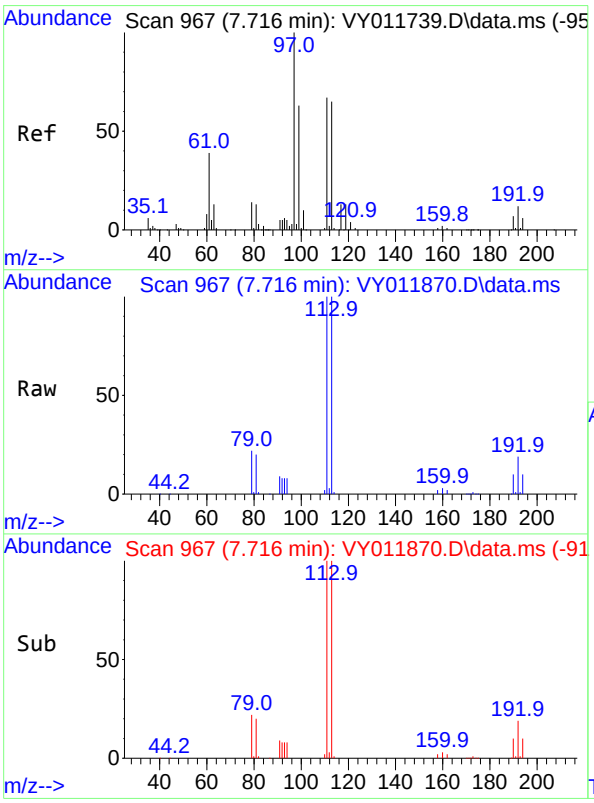

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion:114 Resp: 468086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 39.6 |
| 88 | 15.5 | 0.0 | 32.2 |

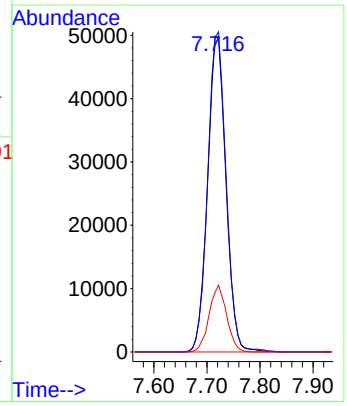


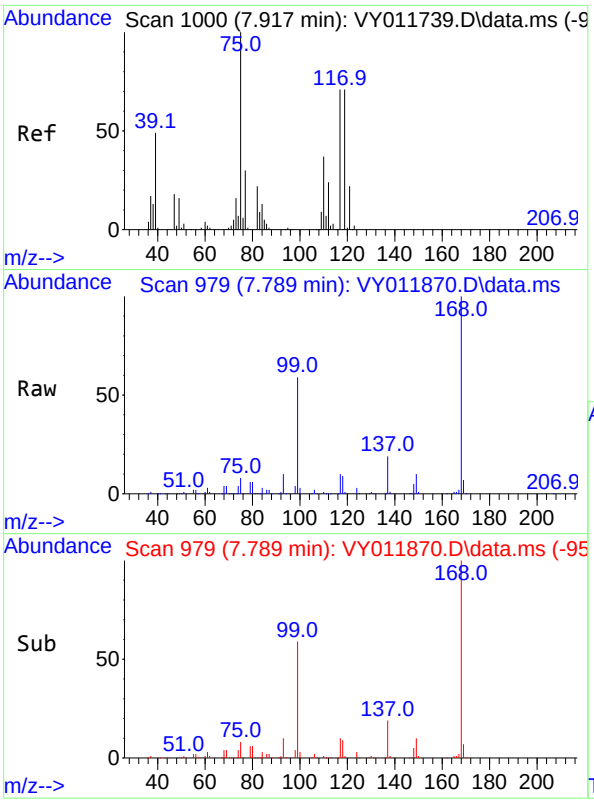




#35
Dibromofluoromethane
Concen: 57.933 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion:113 Resp: 119199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 83.0 | 124.4 |
| 192 | 20.3 | 16.0 | 24.0 |



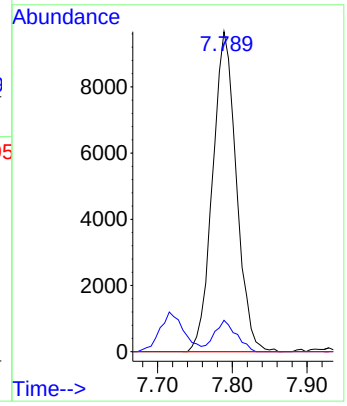


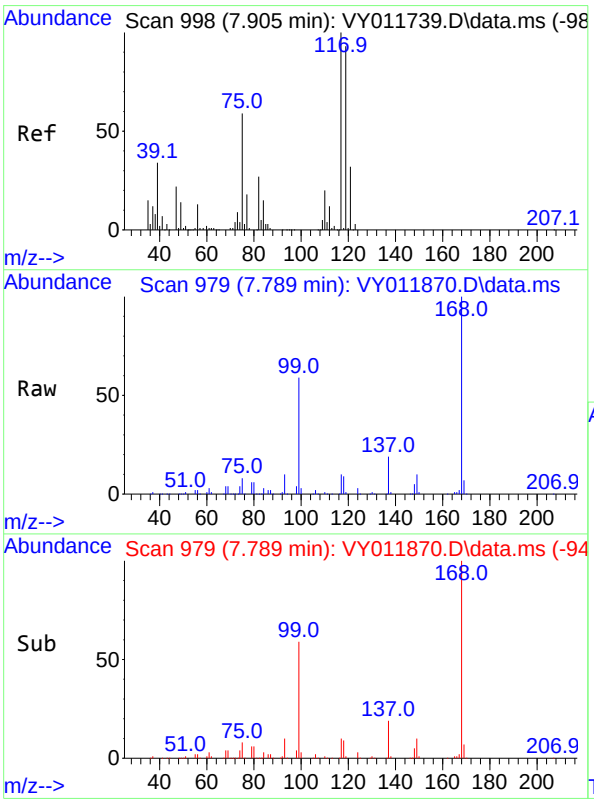

#36
1,1-Dichloropropene
Concen: 6.016 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.128 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion: 75 Resp: 21369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.0 | 18.1 | 54.1# |
| 77 | 0.0 | 25.1 | 37.7# |

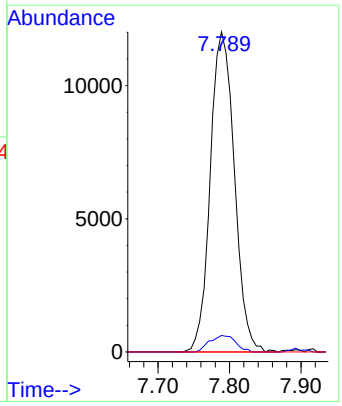


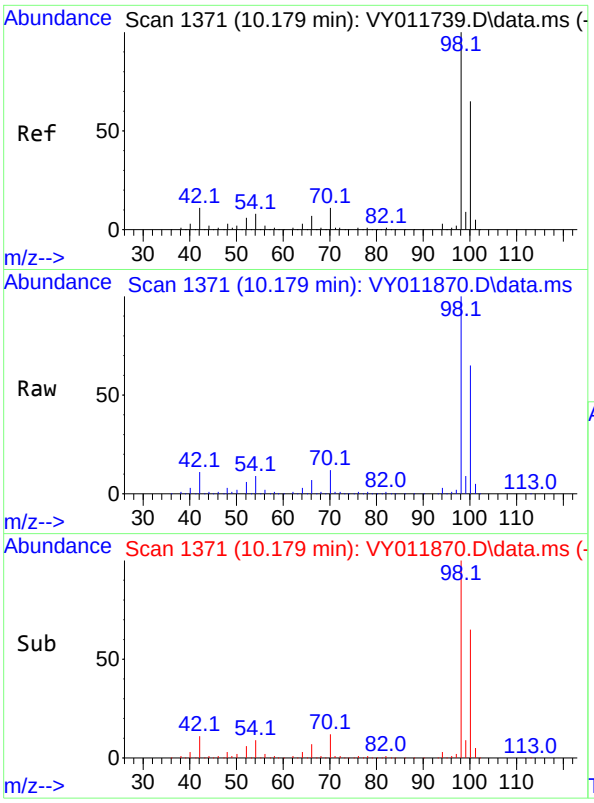




#38
Carbon Tetrachloride
Concen: 6.746 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion:117 Resp: 28148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 73.8 | 110.8# |
| 121 | 0.0 | 25.2 | 37.8# |



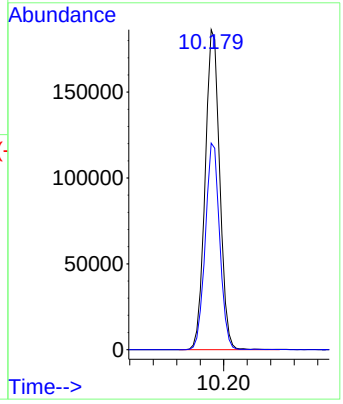


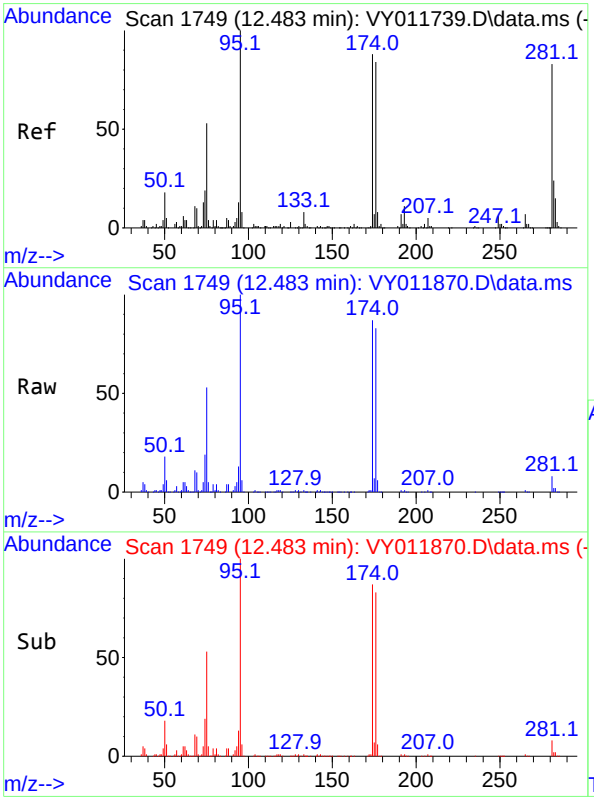

#50
Toluene-d8
Concen: 46.529 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion: 98 Resp: 320399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 51.9 | 77.9 |

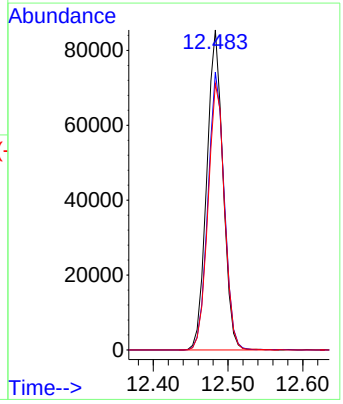


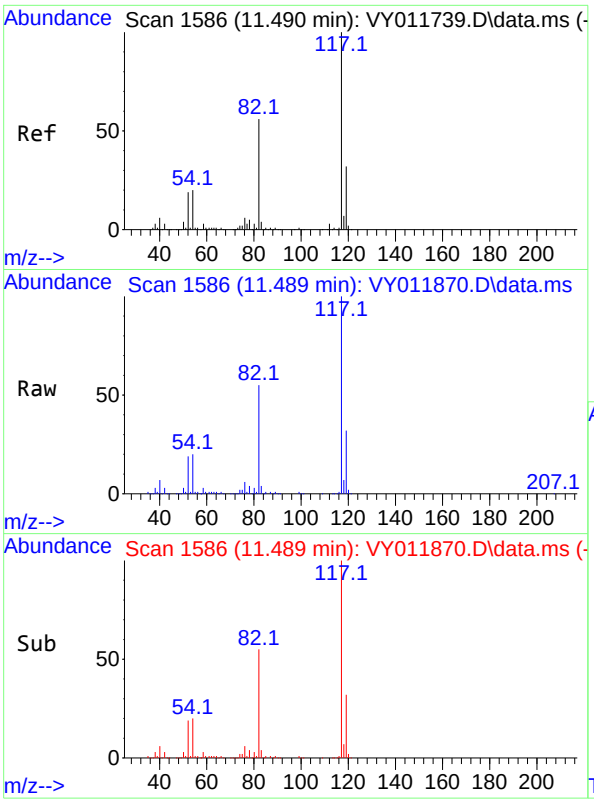




#62
4-Bromofluorobenzene
Concen: 47.206 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion: 95 Resp: 128803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.3 | 0.0 | 172.0 |
| 176 | 84.5 | 0.0 | 167.6 |



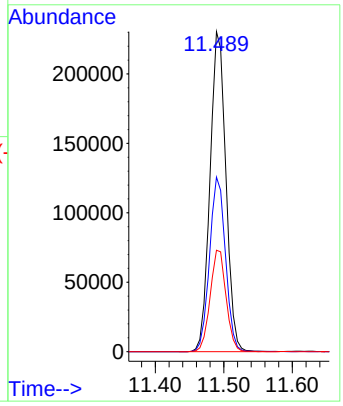


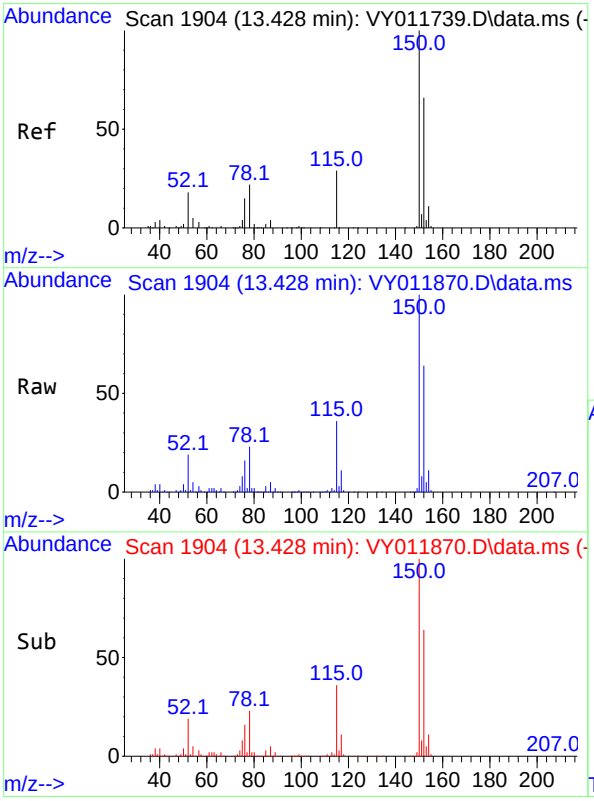

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion:117 Resp: 371154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.6 | 44.8 | 67.2 |
| 119 | 31.7 | 25.4 | 38.2 |

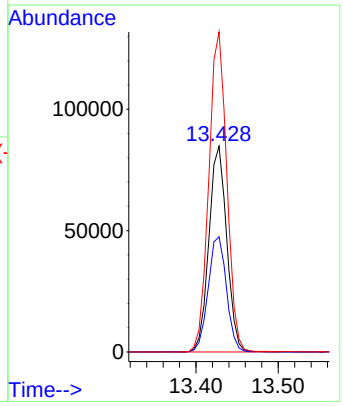


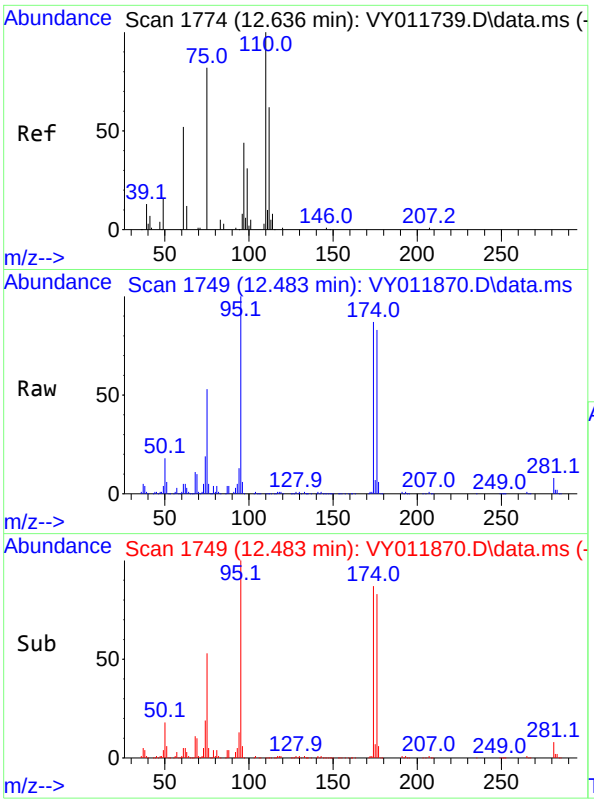




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion:152 Resp: 128204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.5 | 29.1 | 87.3 |
| 150 | 156.4 | 0.0 | 342.6 |



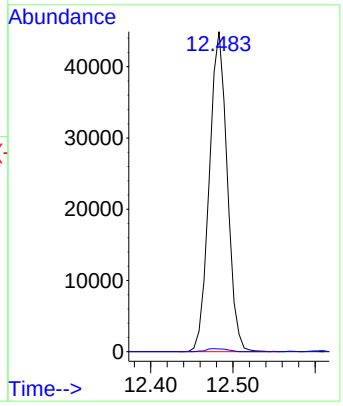


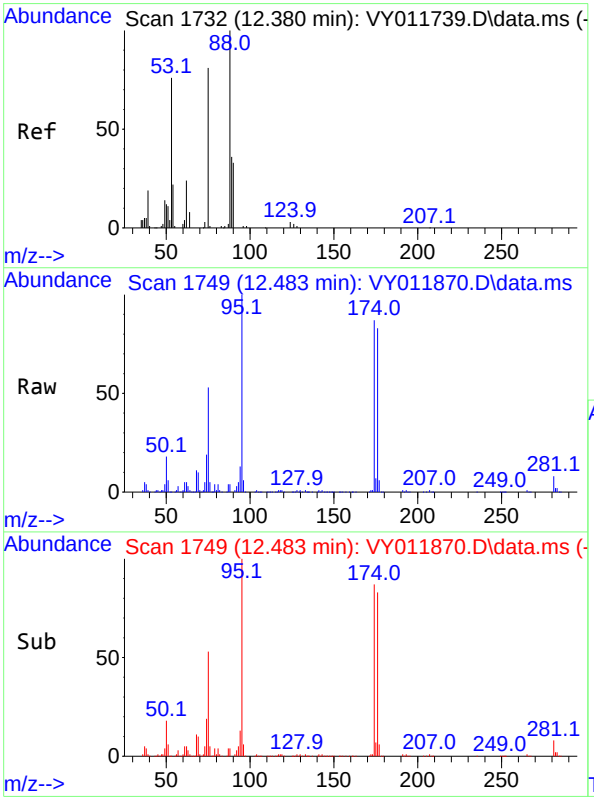

#76
1,2,3-Trichloropropane
Concen: 52.425 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.153 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
RB-37-(0-2)

Tgt Ion: 75 Resp: 68000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 118.963 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011870.D
Acq: 15 Dec 2022 14:36

Tgt Ion: 75 Resp: 68000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 72.5 | 108.7# |
| 89 | 0.0 | 37.0 | 55.4# |