Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011822\
Data File : VY007210.D
Acq On : 18 Jan 2022 16:10
Operator : SY/MD
Sample : N1158-02
Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Quant Time: Jan 19 00:32:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 14 05:48:29 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 2889 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.697 | 114 | 6047 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.496 | 117 | 6193 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152 | 1939 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.149 | 65 | 2809 | 79.242 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 158.480% | | | |
| 35) Dibromofluoromethane | 7.728 | 113 | 2193 | 53.633 | ug/l | 0.01 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 107.260% | | | |
| 50) Toluene-d8 | 10.185 | 98 | 7328 | 49.048 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 98.100% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 2608 | 49.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 98.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 68) m/p-Xylenes | 11.703 | 106 | 556 | 5.879 | ug/l | 86 |
| 69) o-Xylene | 12.032 | 106 | 115 | 1.291 | ug/l | 52 |
| 80) 1,3,5-Trimethylbenzene | 12.819 | 105 | 146 | 1.062 | ug/l | 78 |
| 84) 1,2,4-Trimethylbenzene | 13.130 | 105 | 430 | 3.155 | ug/l # | 66 |

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

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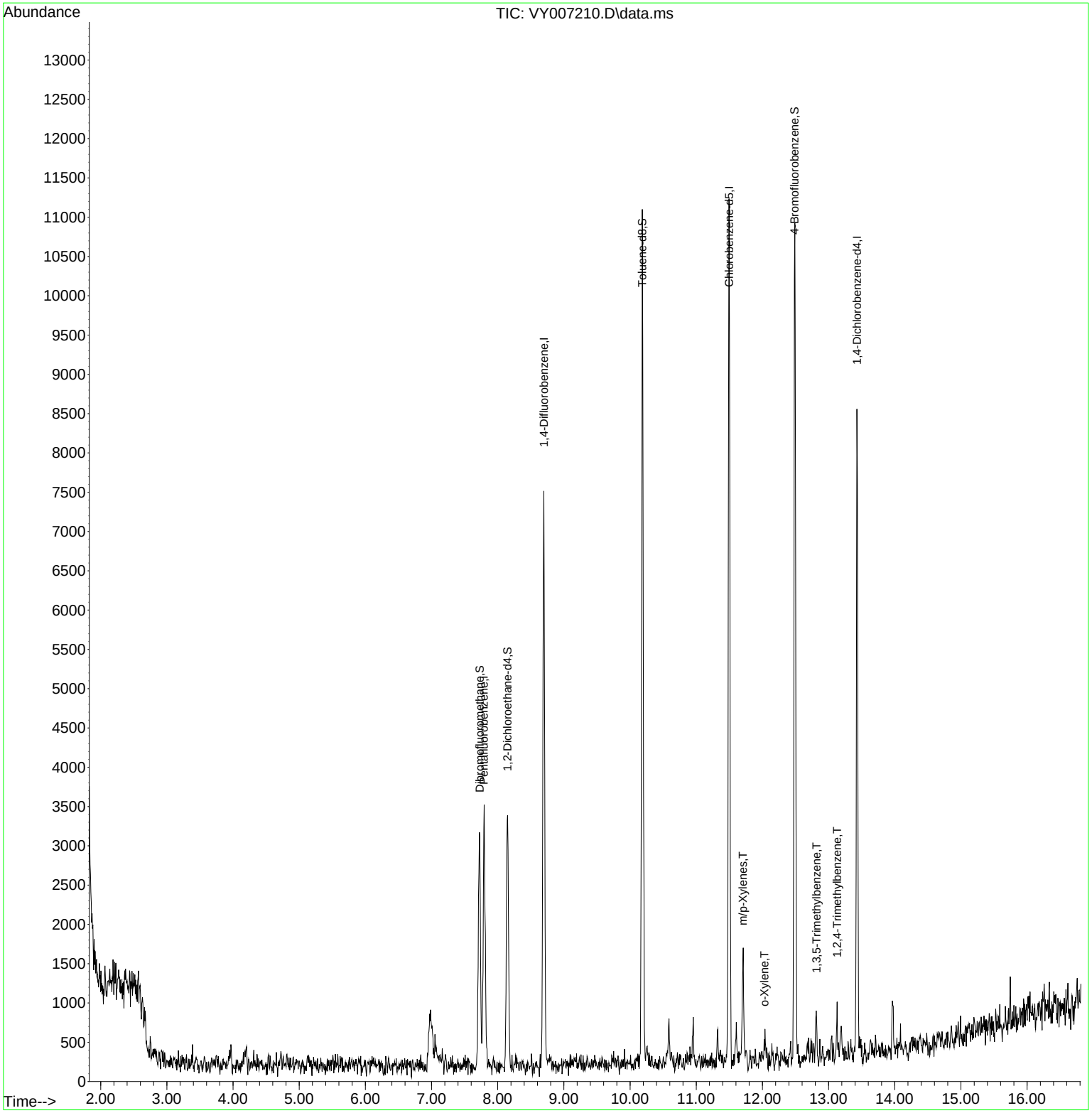
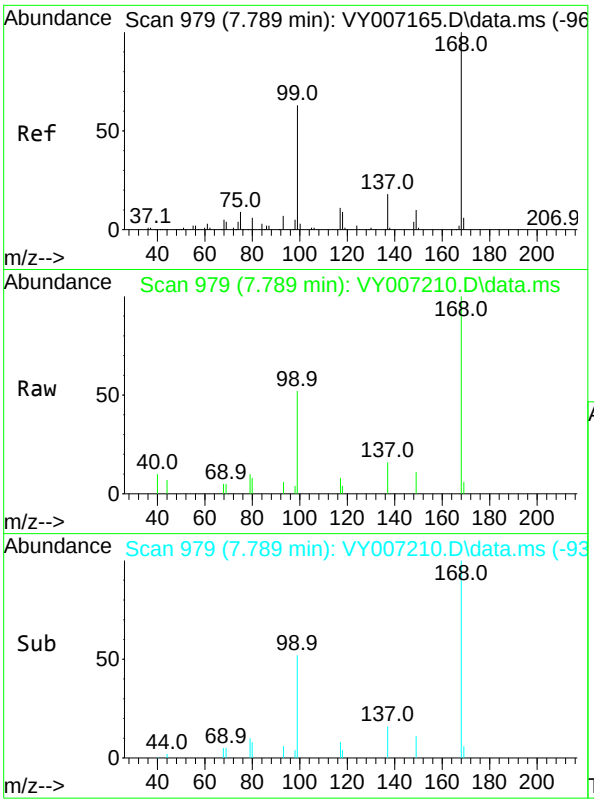
Quant Title : SW846 8260
QLast Update : Fri Jan 14 05:48:29 2022
Response via : Initial Calibration



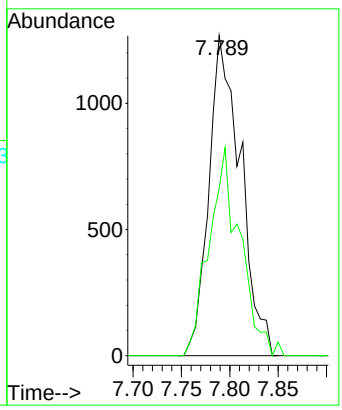


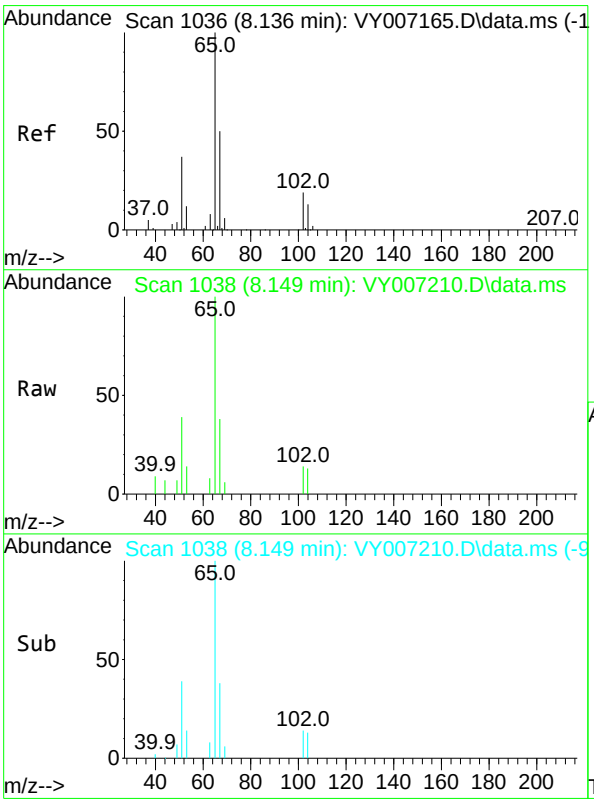

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Tgt Ion:168 Resp: 2889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.1 | 49.1 | 73.7 |

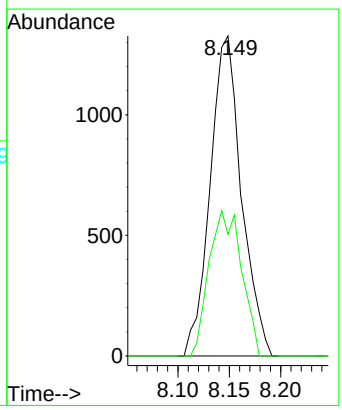


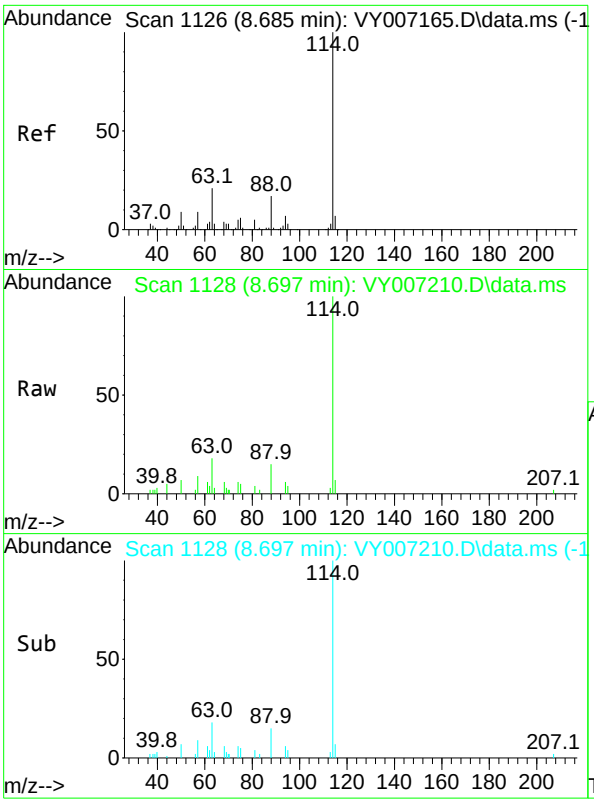




#33
1,2-Dichloroethane-d4
Concen: 79.242 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion: 65 Resp: 2809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 47.3 | 0.0 | 105.6 |



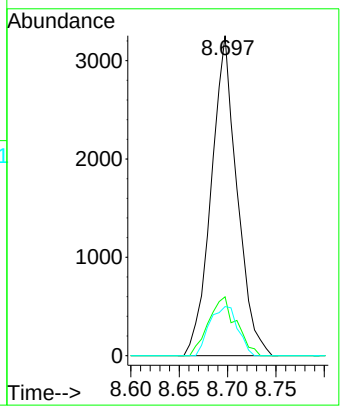


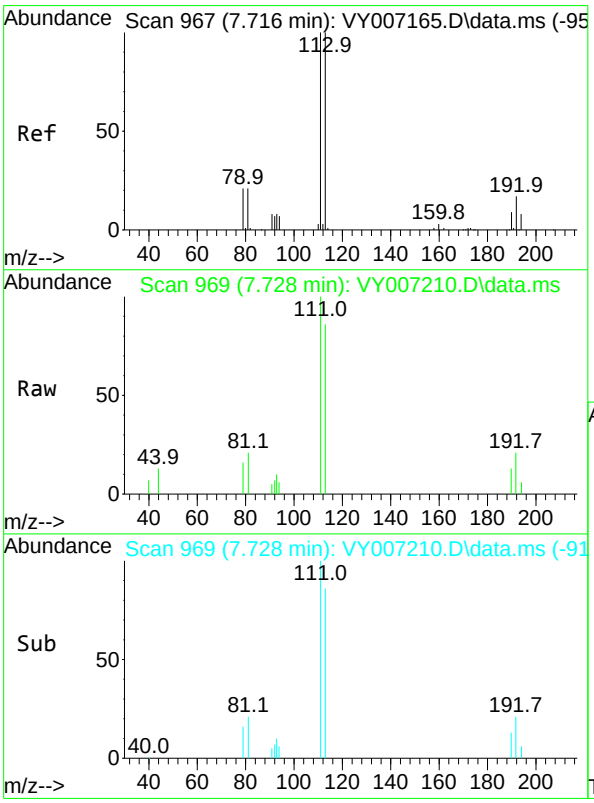

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Tgt Ion:114 Resp: 6047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.4 | 0.0 | 39.2 |
| 88 | 15.3 | 0.0 | 31.0 |

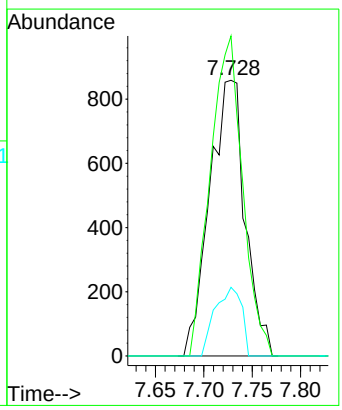


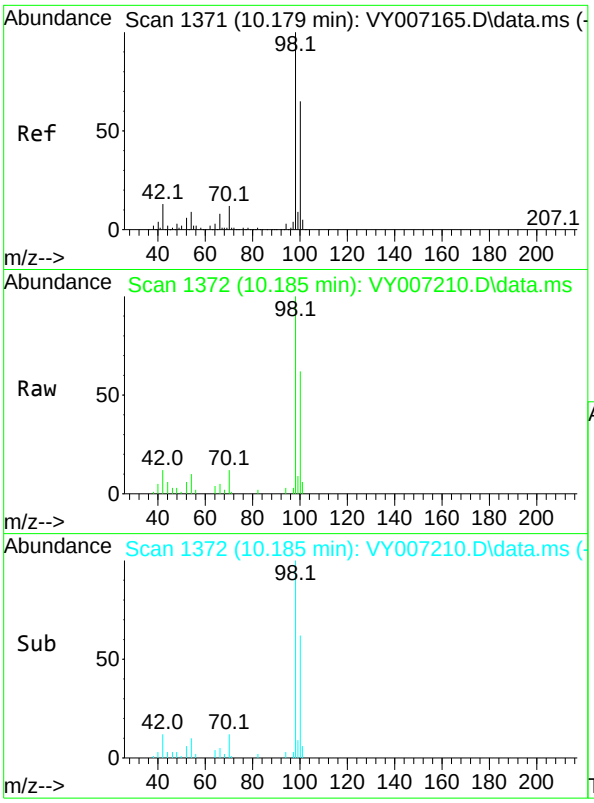




#35
Dibromofluoromethane
Concen: 53.633 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.013 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion:113 Resp: 2193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.8 | 82.2 | 123.4 |
| 192 | 18.7 | 14.2 | 21.4 |



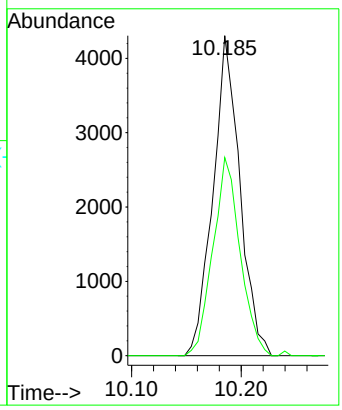


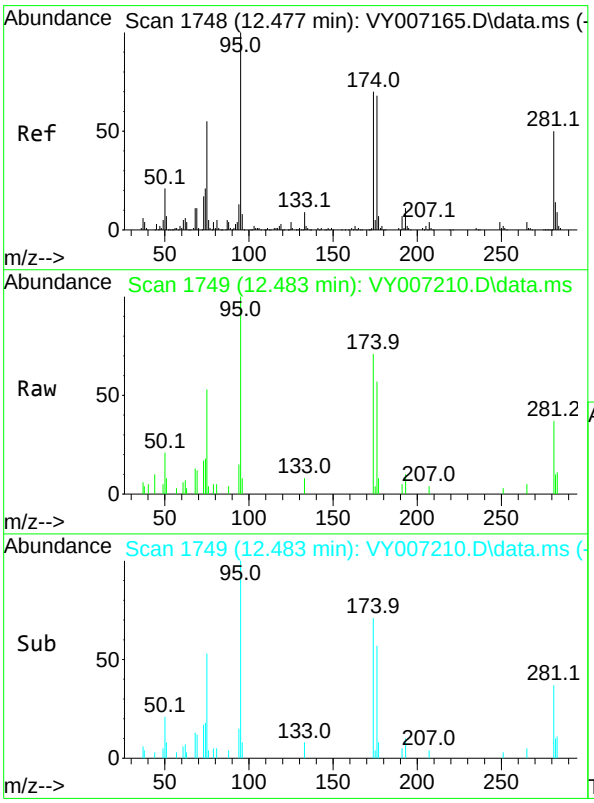

#50
Toluene-d8
Concen: 49.048 ug/l
RT: 10.185 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Tgt Ion: 98 Resp: 7328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.8 | 52.2 | 78.2 |

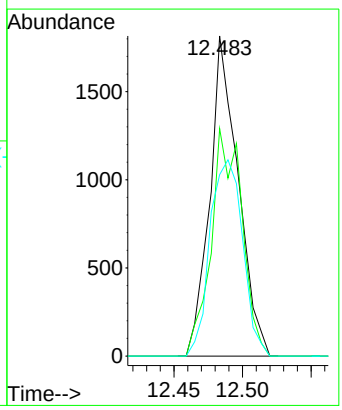


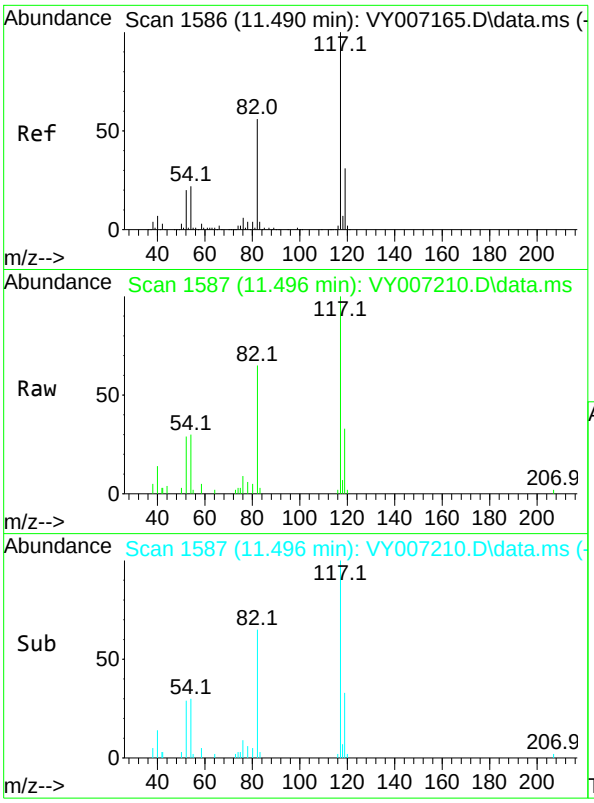




#62
4-Bromofluorobenzene
Concen: 49.072 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion: 95 Resp: 2608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.1 | 0.0 | 148.4 |
| 176 | 70.8 | 0.0 | 146.6 |



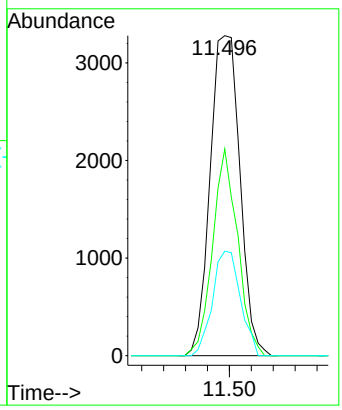


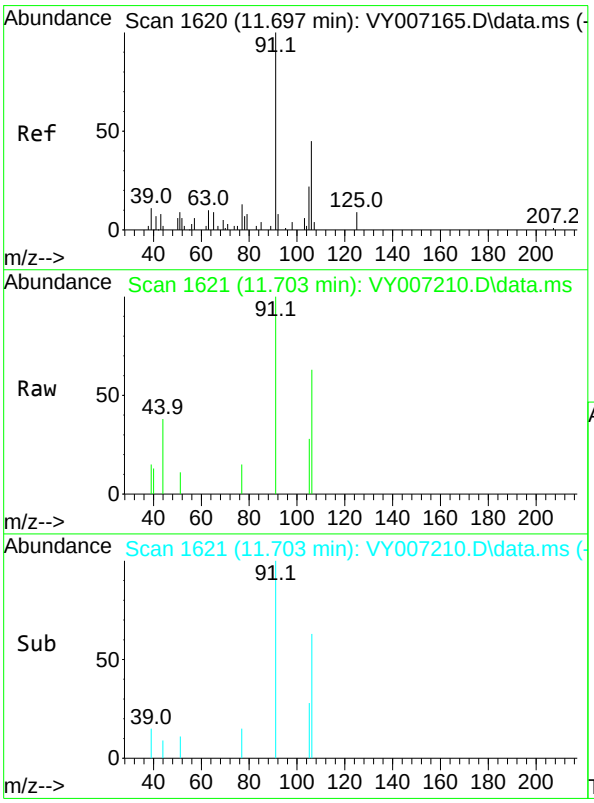

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Tgt Ion:117 Resp: 6193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 64.6 | 45.4 | 68.0 |
| 119 | 32.6 | 26.4 | 39.6 |

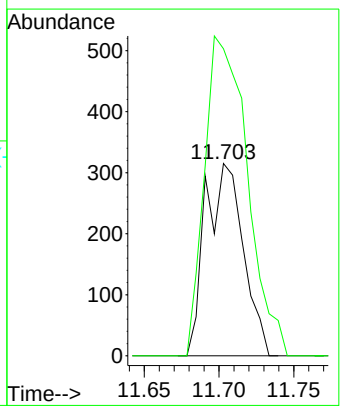


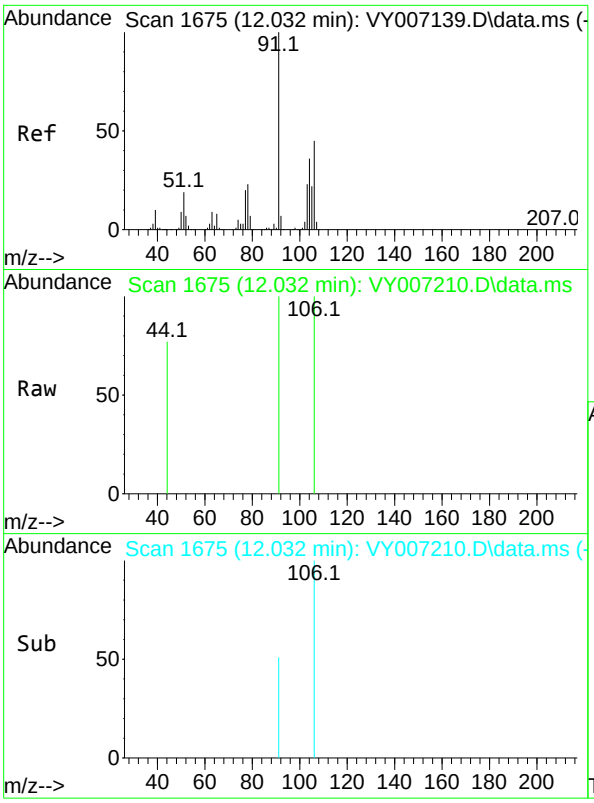




#68
m/p-Xylenes
Concen: 5.879 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.001 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion:106 Resp: 556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 187.4 | 167.1 | 250.7 |



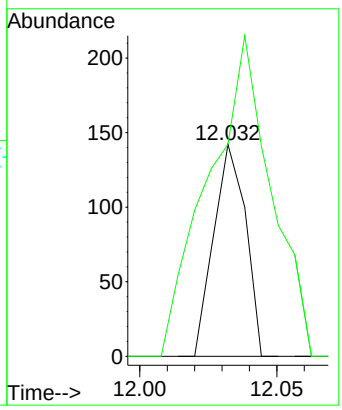


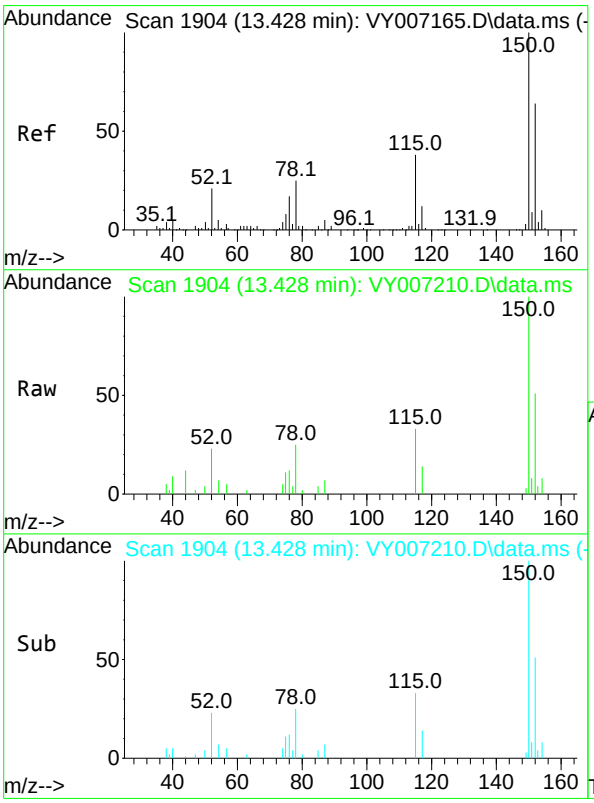

#69
o-Xylene
Concen: 1.291 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Tgt Ion:106 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 296.5 | 109.9 | 329.6 |

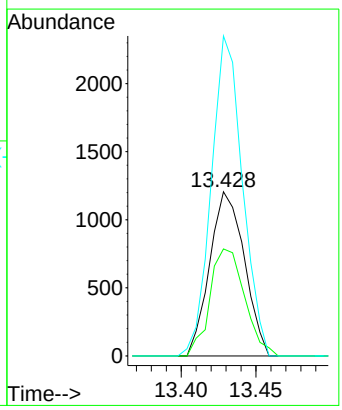


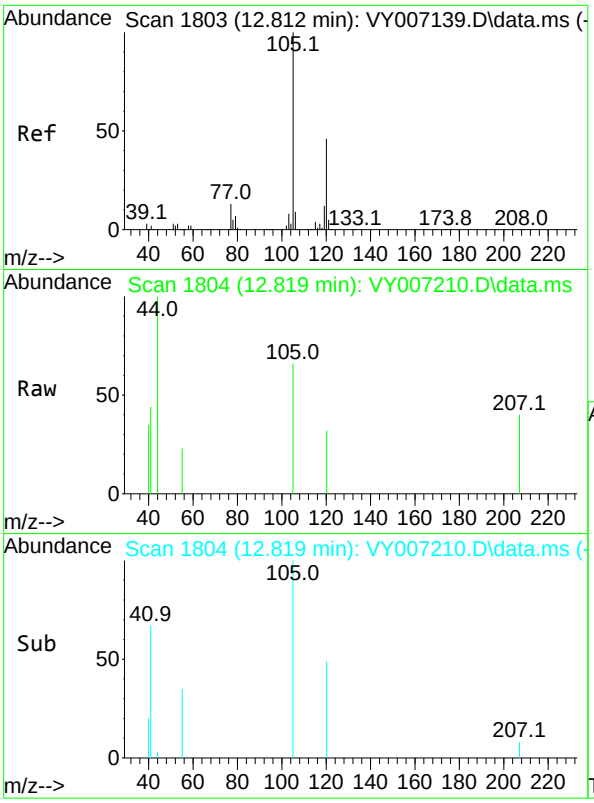




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.001 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion:152 Resp: 1939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.4 | 31.4 | 94.0 |
| 150 | 175.8 | 0.0 | 348.4 |



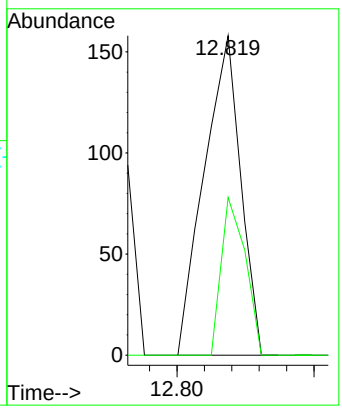


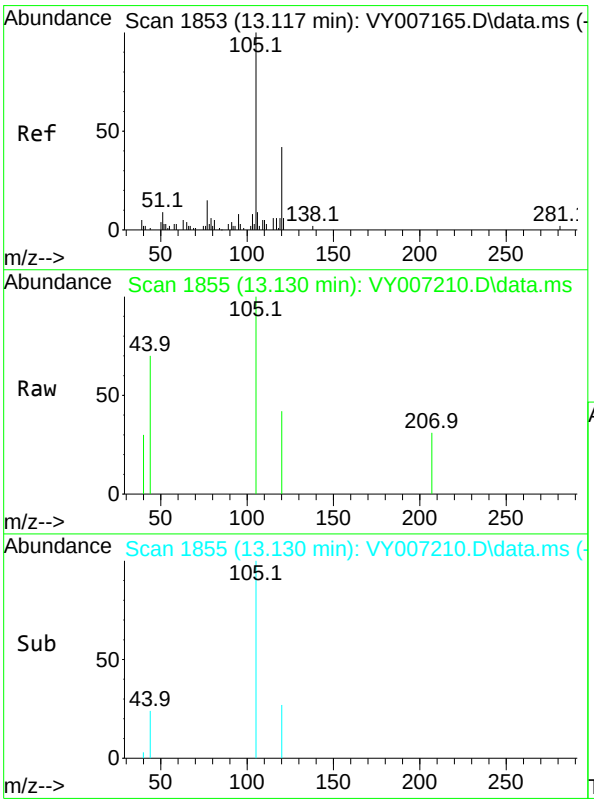

#80
1,3,5-Trimethylbenzene
Concen: 1.062 ug/l
RT: 12.819 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

**Instrument :**
MSVOA_Y
**ClientSampleId :**
R-1A

Tgt Ion:105 Resp: 146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 32.9 | 23.7 | 71.1 |




#84
1,2,4-Trimethylbenzene
Concen: 3.155 ug/l
RT: 13.130 min Scan# 1855
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion:105 Resp: 430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 21.4 | 21.6 | 64.6# |