Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022064.D
Acq On : 29 Apr 2025 18:14
Operator : SY/MD
Sample : Q1883-01
Misc : 11.64g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-27-042325

Quant Time: Apr 30 01:35:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 271766 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.609 | 114 | 515307 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 469079 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152 | 180272 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.055 | 65 | 138737 | 55.268 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 110.540% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 178302 | 52.374 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 104.740% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 624590 | 48.665 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 97.320% | | | |
| 62) 4-Bromofluorobenzene | 12.401 | 95 | 222766 | 51.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 103.120% | | | |

Target Compounds Qvalue

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

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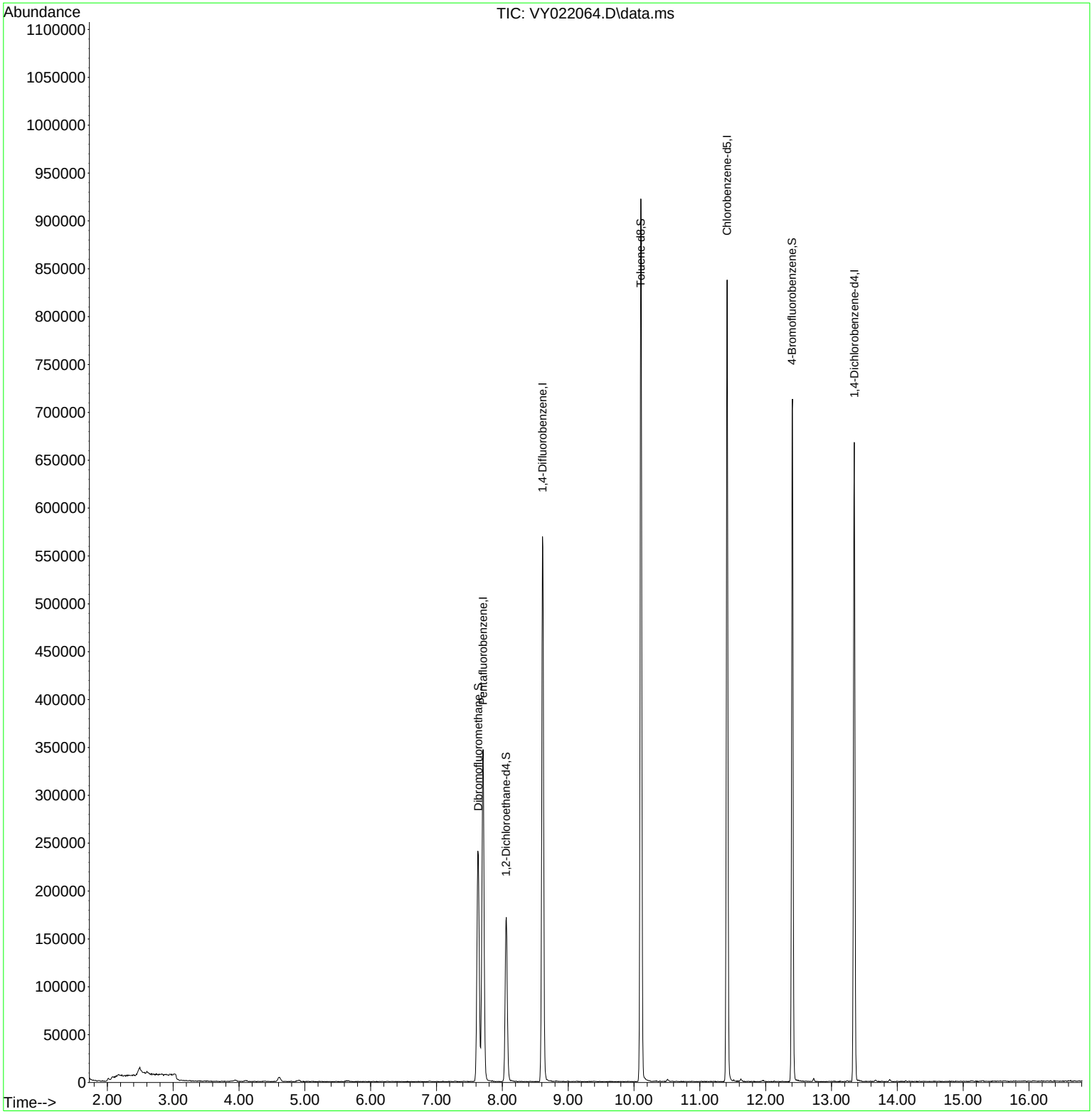
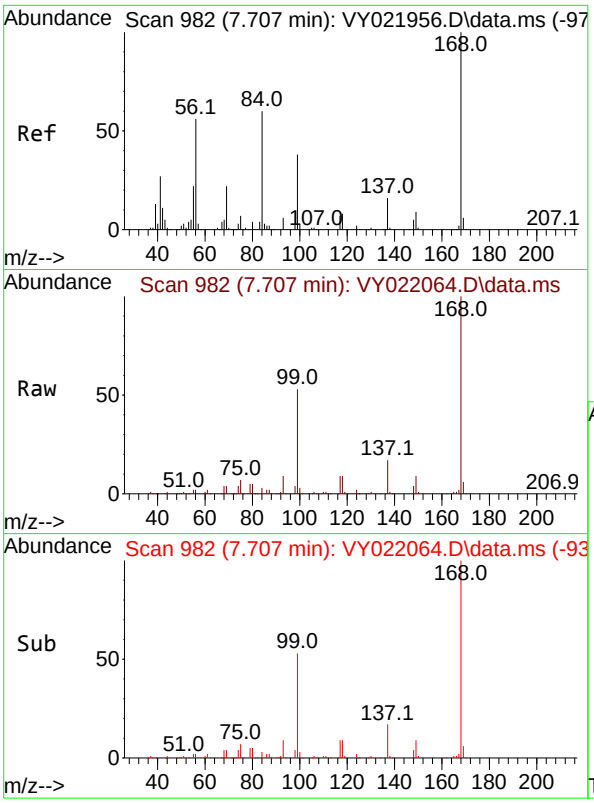


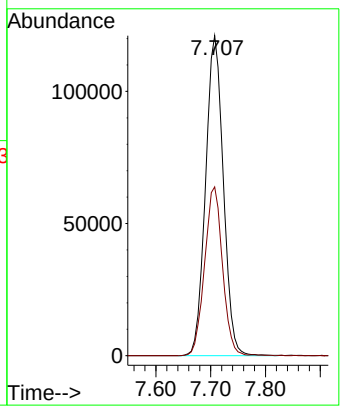


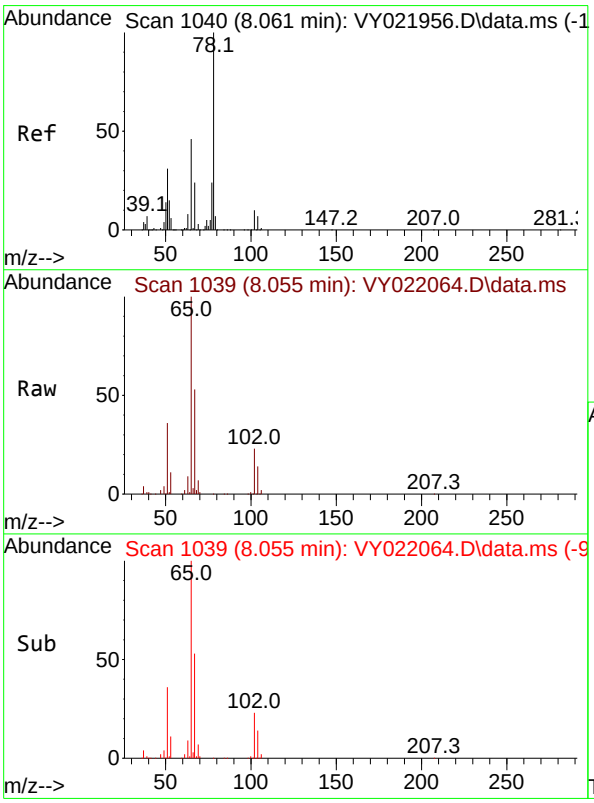

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-27-042325

Tgt Ion:168 Resp: 271766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.7 | 43.1 | 64.7 |

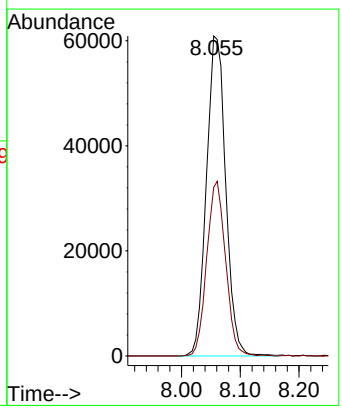


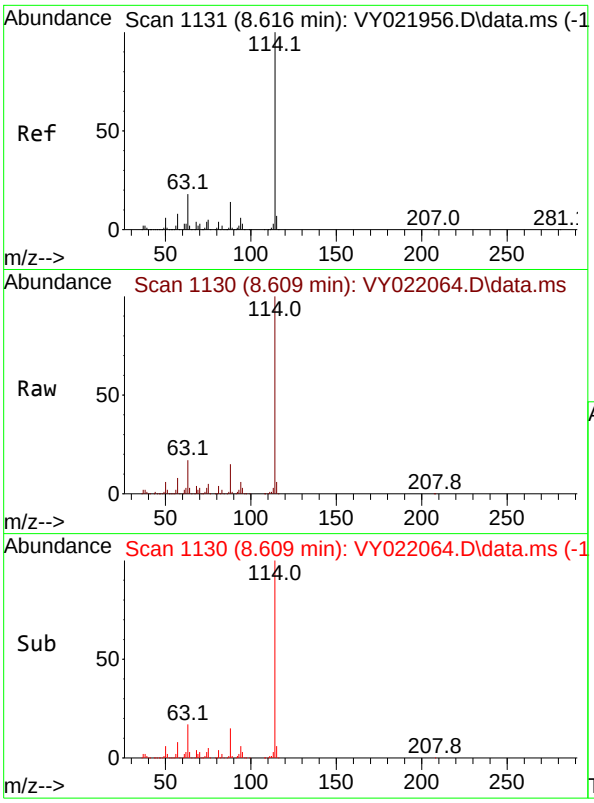




#33
1,2-Dichloroethane-d4
Concen: 55.268 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion: 65 Resp: 138737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 105.8 |



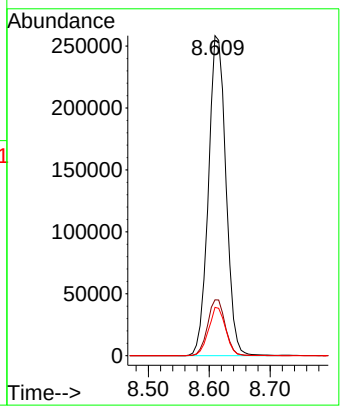


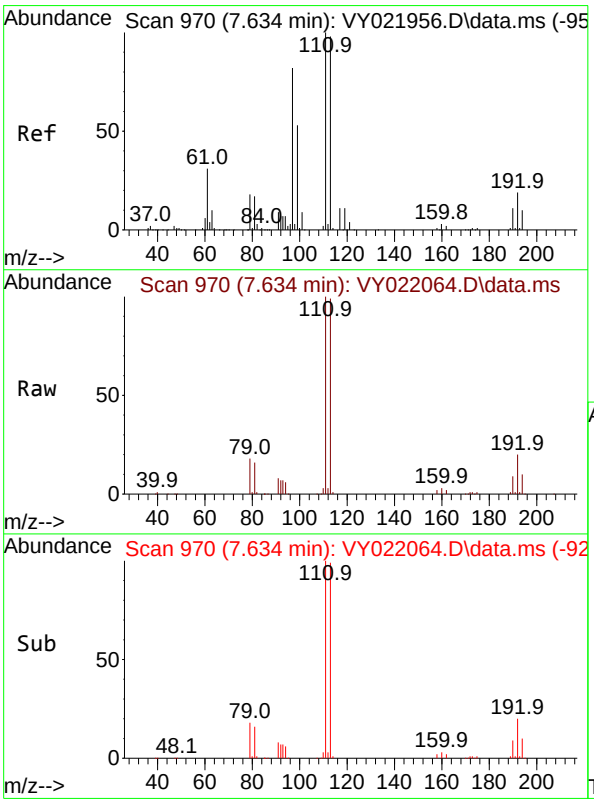

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-27-042325

Tgt Ion:114 Resp: 515307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.5 | 0.0 | 35.4 |
| 88 | 15.1 | 0.0 | 28.2 |

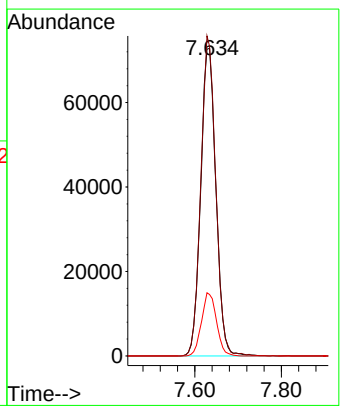


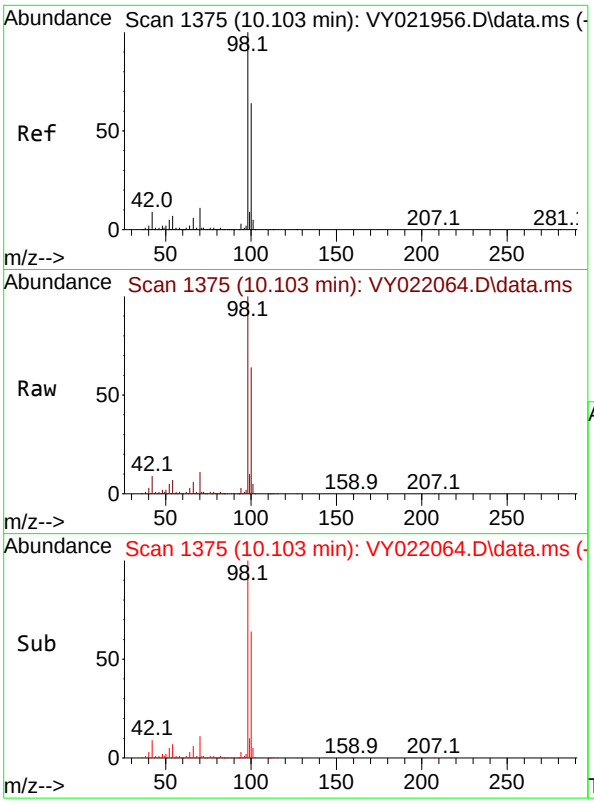




#35
Dibromofluoromethane
Concen: 52.374 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion:113 Resp: 178302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.8 | 122.8 |
| 192 | 20.2 | 15.6 | 23.4 |



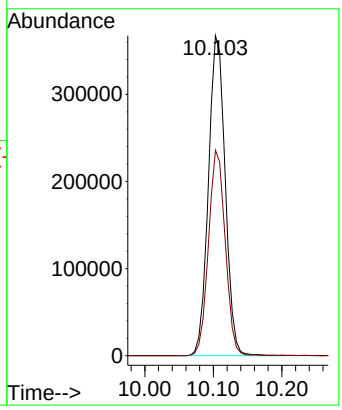


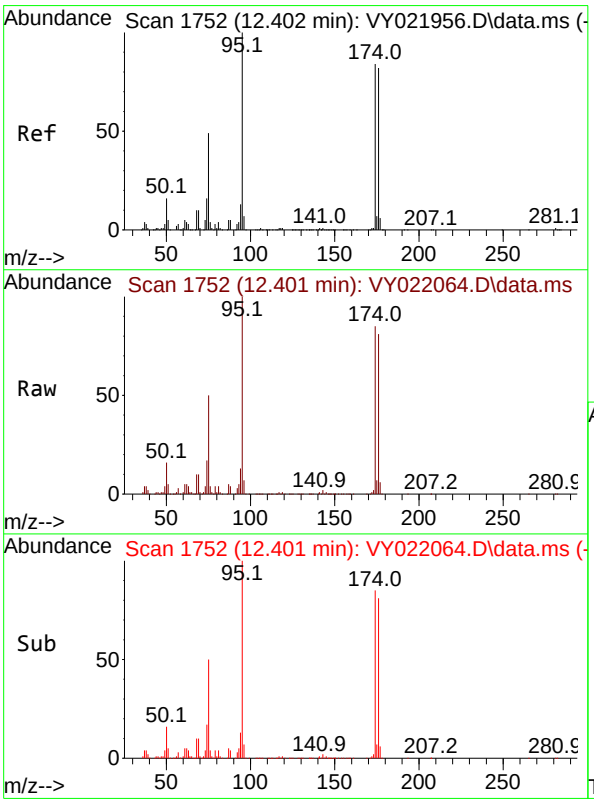

#50
Toluene-d8
Concen: 48.665 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-27-042325

Tgt Ion: 98 Resp: 624590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.6 | 77.4 |

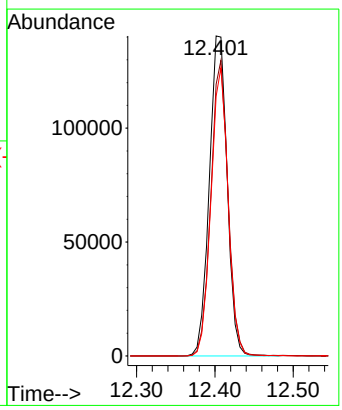


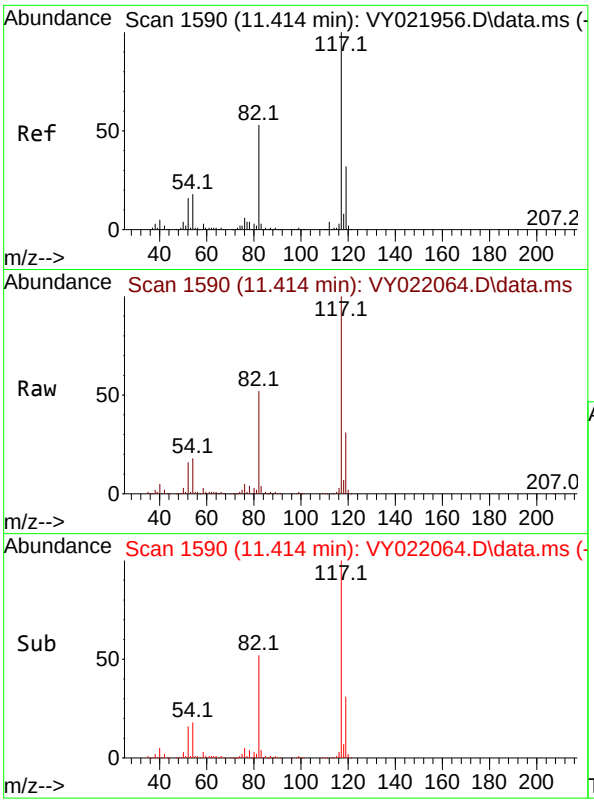




#62
4-Bromofluorobenzene
Concen: 51.559 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion: 95 Resp: 222766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.8 | 0.0 | 179.0 |
| 176 | 86.4 | 0.0 | 171.8 |



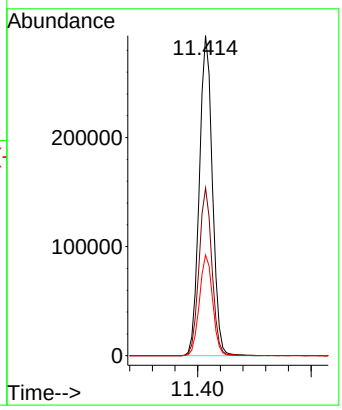


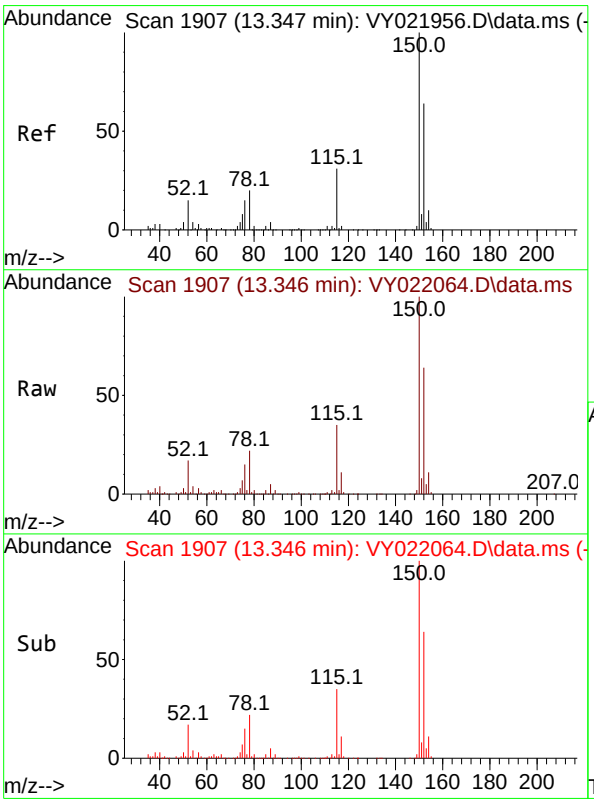

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OU4-PCS-TC-27-042325

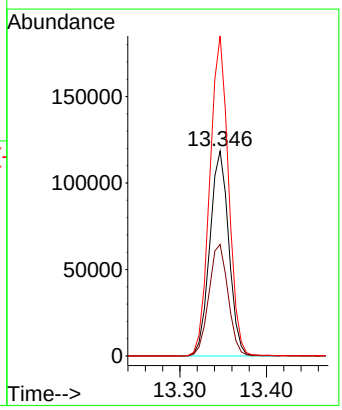
Tgt Ion:117 Resp: 469079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.4 | 42.1 | 63.1 |
| 119 | 31.4 | 25.7 | 38.5 |




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion:152 Resp: 180272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.1 | 28.0 | 84.0 |
| 150 | 153.9 | 0.0 | 345.6 |