Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031623\
Data File : VY012970.D
Acq On : 16 Mar 2023 14:53
Operator : KP/MD
Sample : 01932-09
Misc : 6.75g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Quant Time: Mar 17 01:36:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 91903 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.691 | 114 | 155407 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.490 | 117 | 133219 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152 | 57382 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.143 | 65 | 55506 | 60.830 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 121.660% | | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 51295 | 54.693 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 109.380% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 183442 | 53.502 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 107.000% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 53513 | 46.241 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 92.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.942 | 43 | 7924 | 22.125 | ug/l | 96 |
| 69) o-Xylene | 12.026 | 106 | 2254 | 1.277 | ug/l | 89 |
| 80) 1,3,5-Trimethylbenzene | 12.813 | 105 | 3460 | 1.031 | ug/l | 99 |

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

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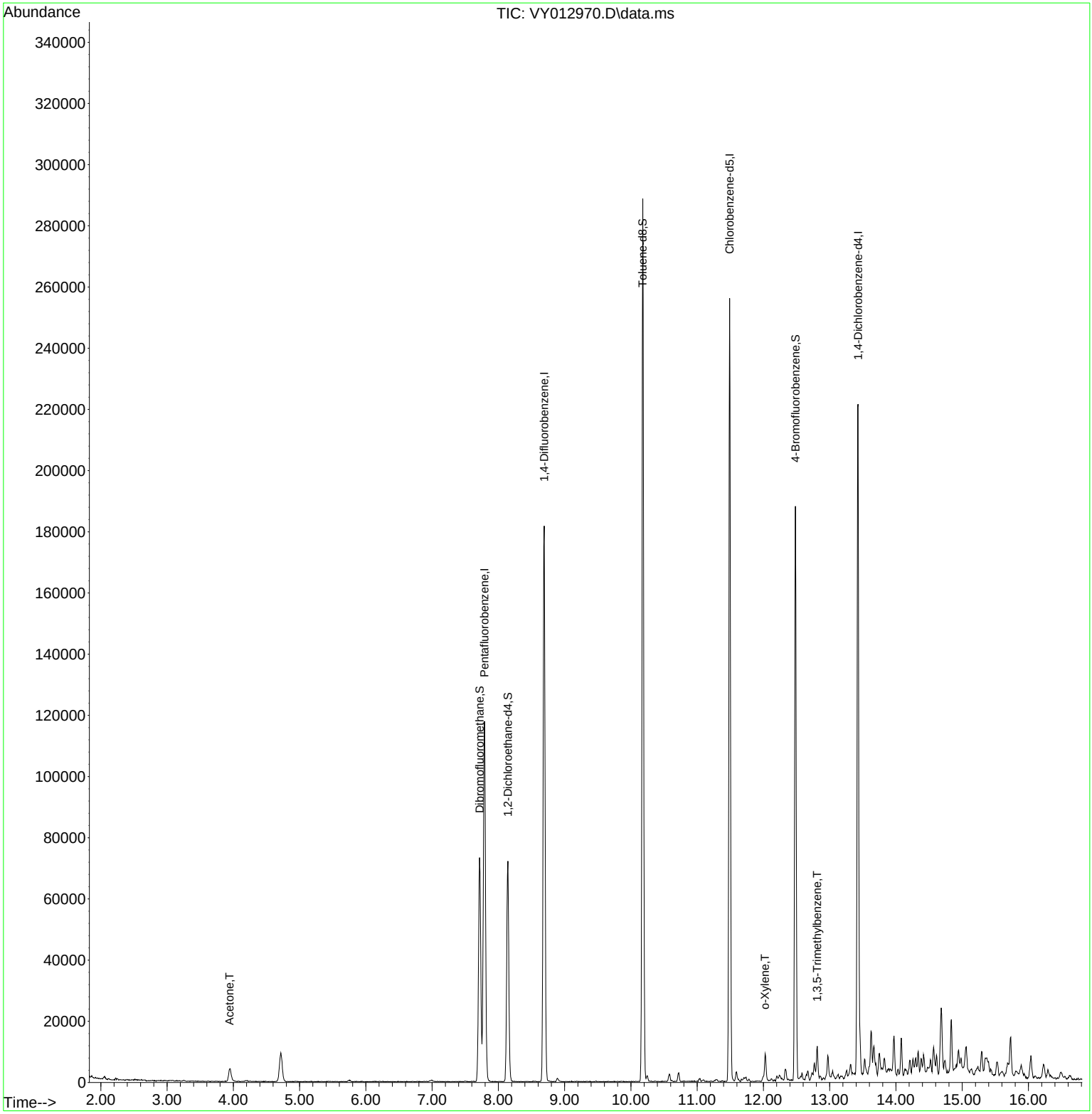
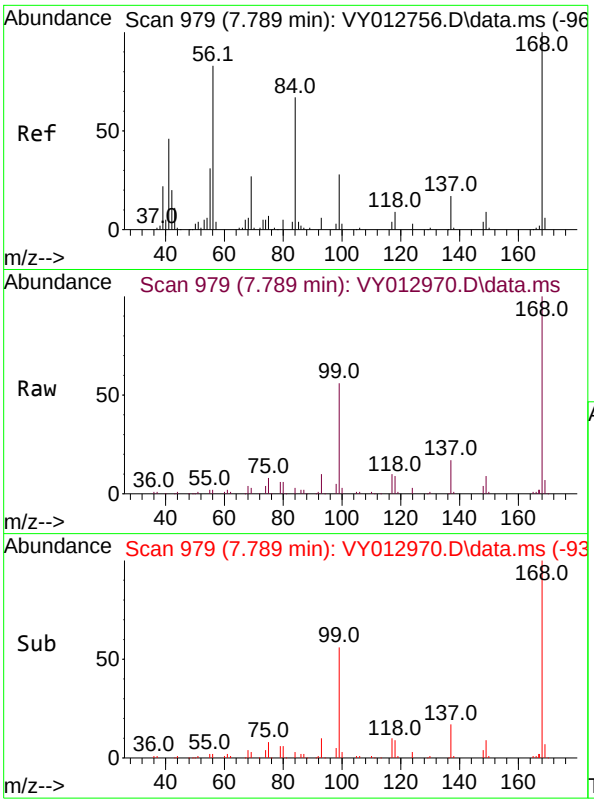


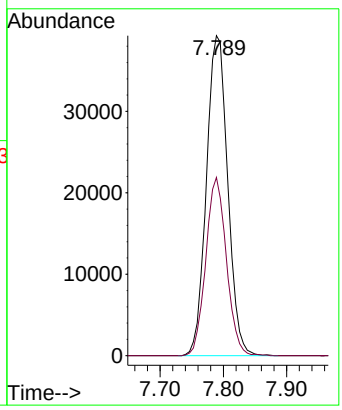


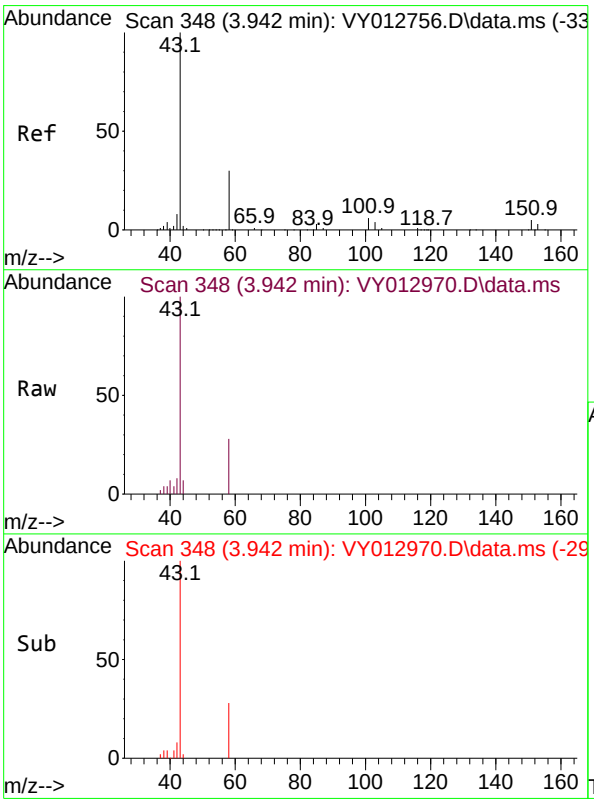

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Tgt Ion:168 Resp: 91903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.7 | 41.7 | 62.5 |

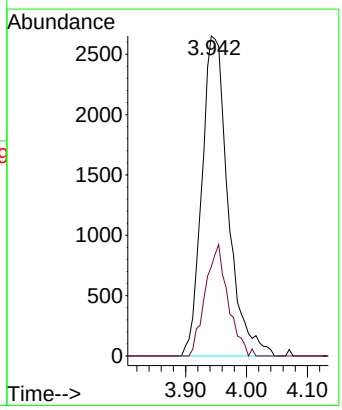


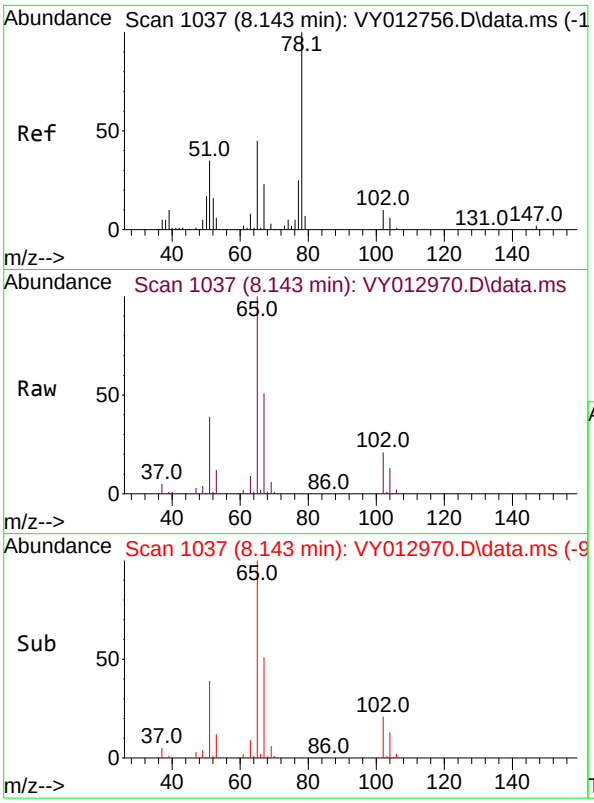




#16
Acetone
Concen: 22.125 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion: 43 Resp: 7924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 24.2 | 36.2 |



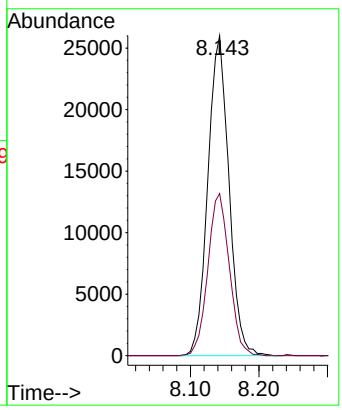


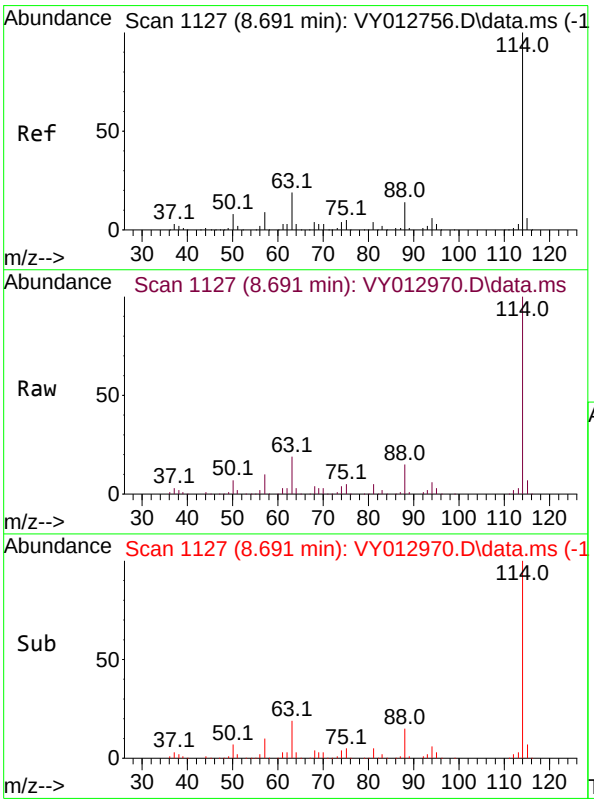

#33
1,2-Dichloroethane-d4
Concen: 60.830 ug/l
RT: 8.143 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Tgt Ion: 65 Resp: 55506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 104.0 |

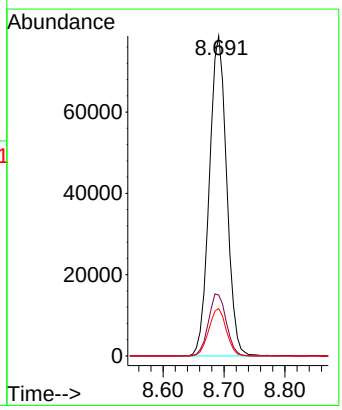


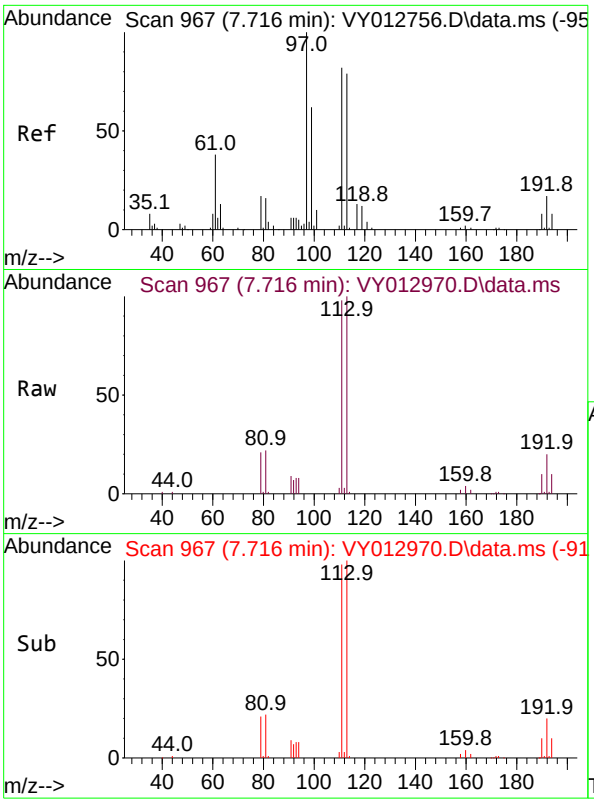




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion:114 Resp: 155407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 37.4 |
| 88 | 14.8 | 0.0 | 28.6 |



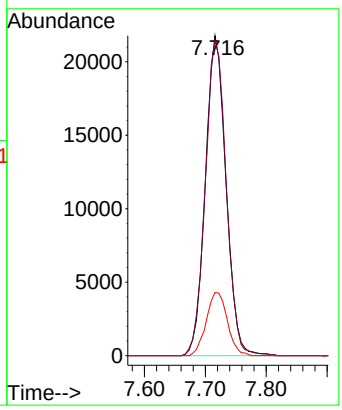


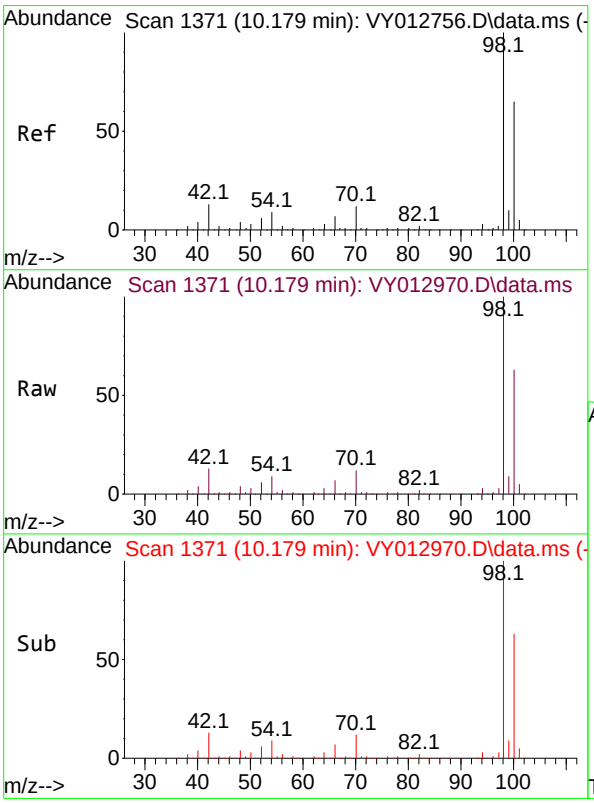

#35
Dibromofluoromethane
Concen: 54.693 ug/l
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Tgt Ion:113 Resp: 51295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.3 | 82.2 | 123.2 |
| 192 | 20.2 | 16.8 | 25.2 |

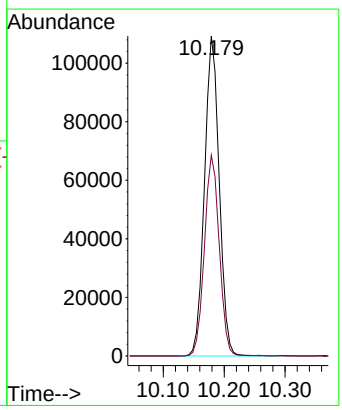


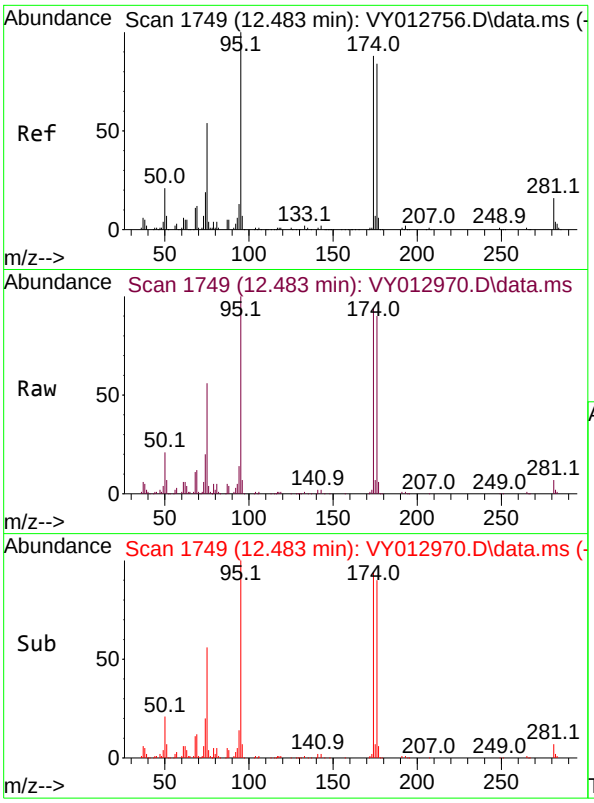




#50
Toluene-d8
Concen: 53.502 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion: 98 Resp: 183442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.3 | 50.9 | 76.3 |



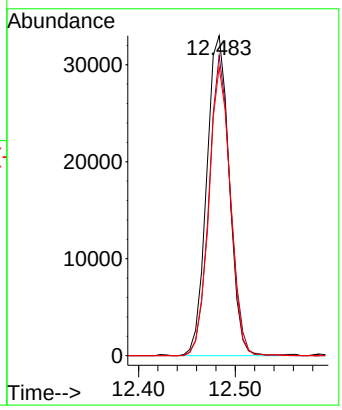


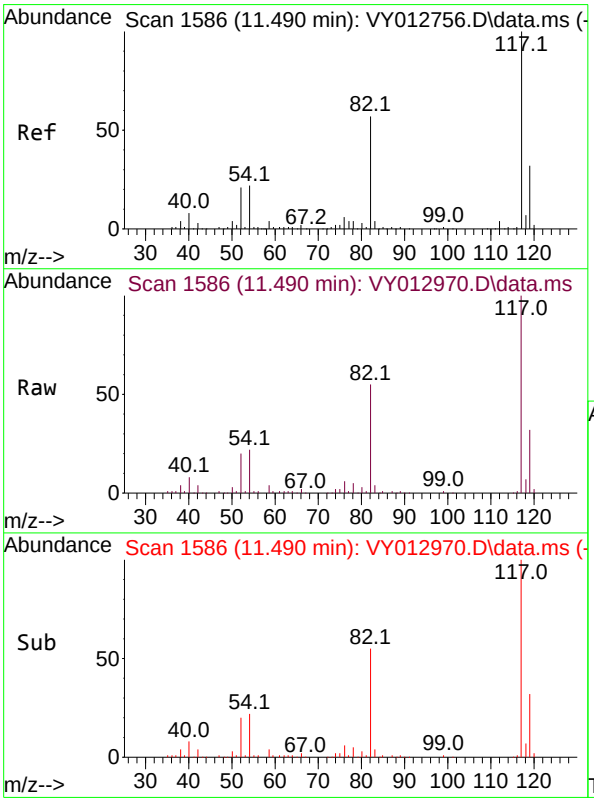

#62
4-Bromofluorobenzene
Concen: 46.241 ug/l
RT: 12.483 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Tgt Ion: 95 Resp: 53513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.4 | 0.0 | 176.6 |
| 176 | 85.7 | 0.0 | 170.2 |

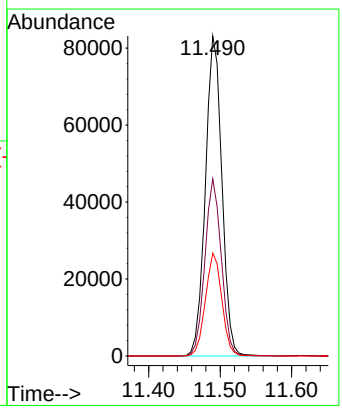


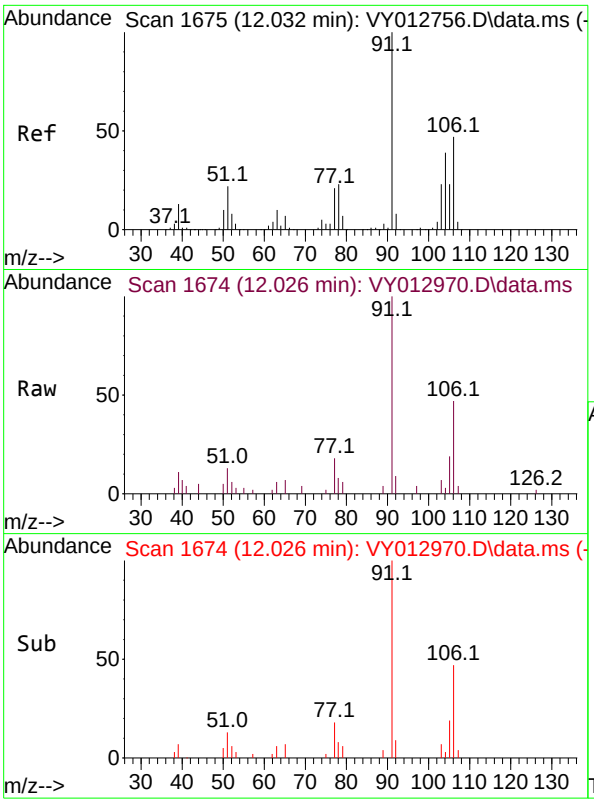




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion:117 Resp: 133219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.4 | 45.4 | 68.0 |
| 119 | 32.1 | 25.6 | 38.4 |



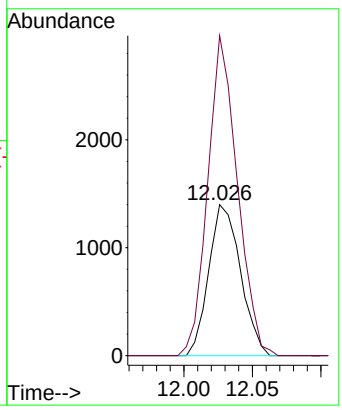


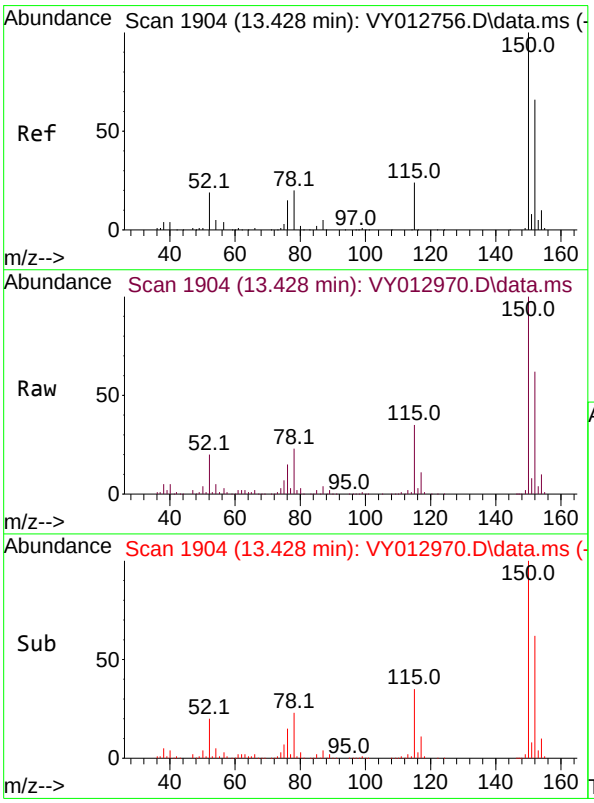

#69
o-Xylene
Concen: 1.277 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Tgt Ion:106 Resp: 2254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 197.6 | 107.2 | 321.6 |

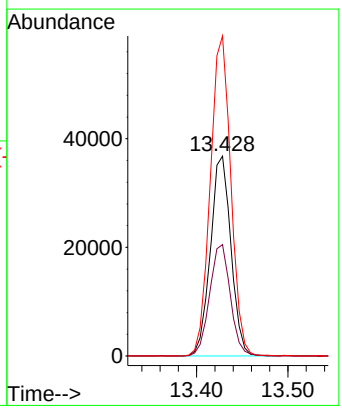


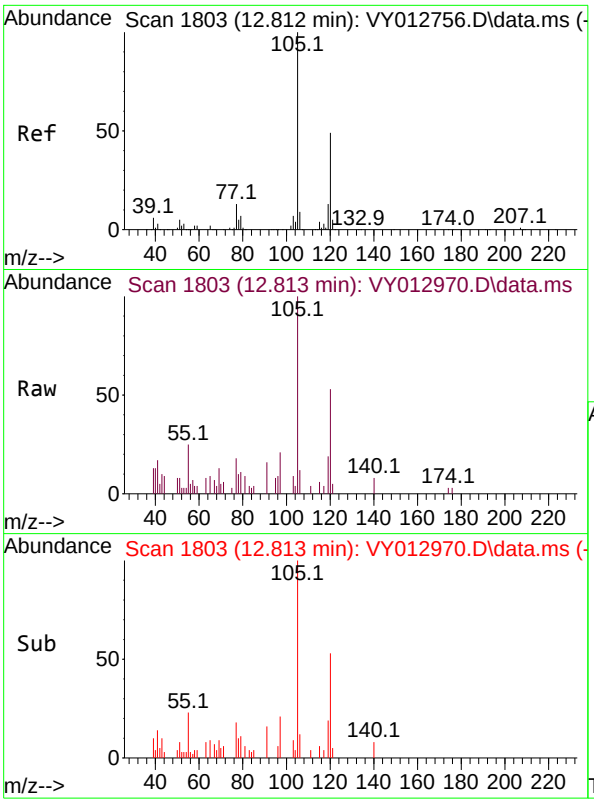




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

Tgt Ion:152 Resp: 57382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.3 | 27.1 | 81.3 |
| 150 | 159.9 | 0.0 | 347.8 |






#80
1,3,5-Trimethylbenzene
Concen: 1.031 ug/l
RT: 12.813 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY012970.D
Acq: 16 Mar 2023 14:53

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CE-43-031423

Tgt Ion:105 Resp: 3460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 24.8 | 74.4 |