Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
Data File : VY011200.D
Acq On : 31 Oct 2022 16:26
Operator : KP/MD
Sample : N5327-01RE
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LACY-05RE

Quant Time: Nov 01 02:44:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 6240 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.685 | 114 | 9825 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.490 | 117 | 7339 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152 | 1622 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.143 | 65 | 3547 | 54.973 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 109.940% | | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 2038 | 33.731 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 67.460% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 11105 | 46.394 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 92.780% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 2392 | 30.541 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 61.080% | | | |
| Target Compounds | | | | | | Qvalue |
| 10) Methyl Iodide | 4.101 | 142 | 1074 | 17.600 | ug/l # | 60 |
| 20) Methylene Chloride | 4.710 | 84 | 2253 | 32.168 | ug/l # | 72 |

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

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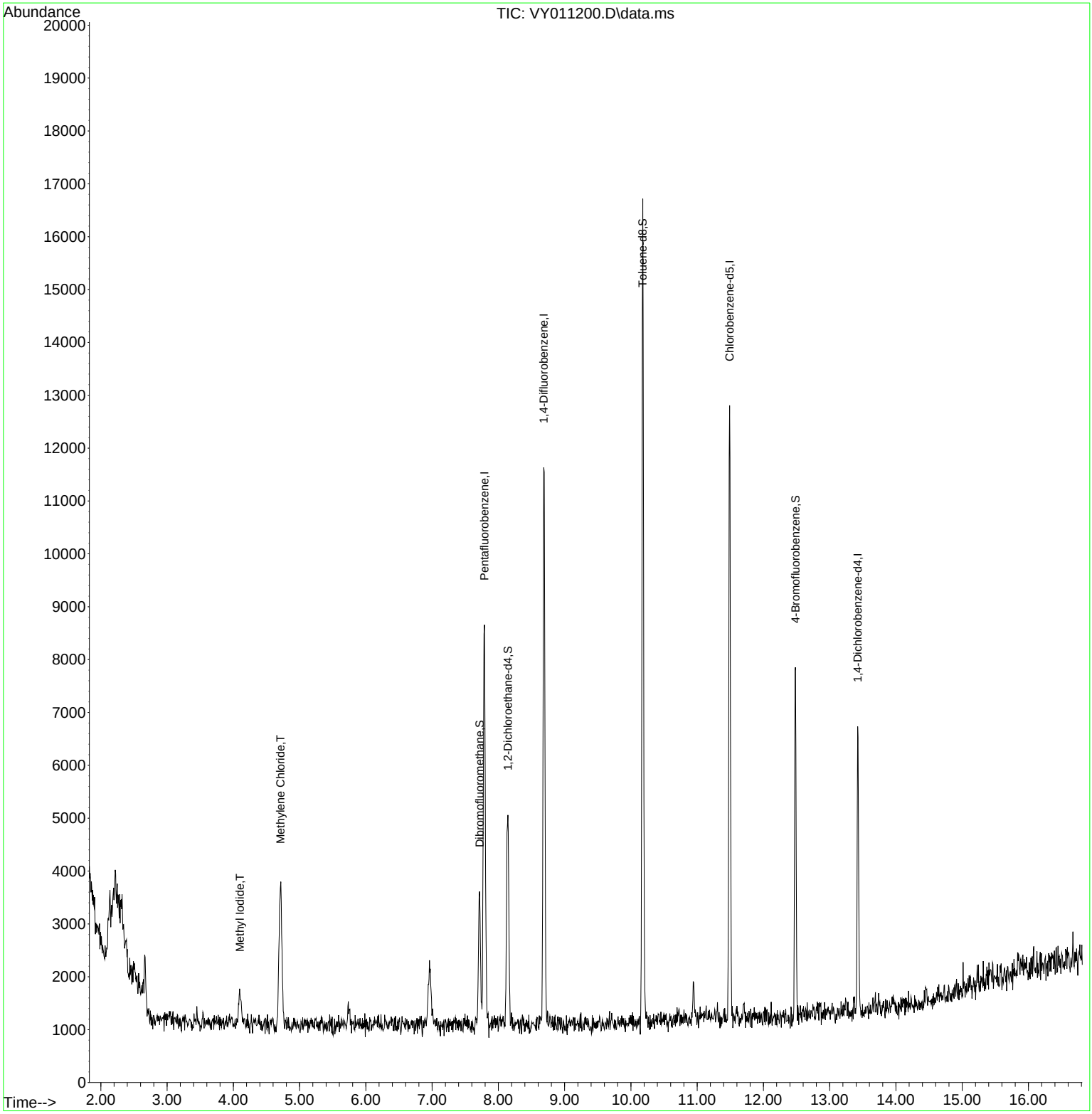
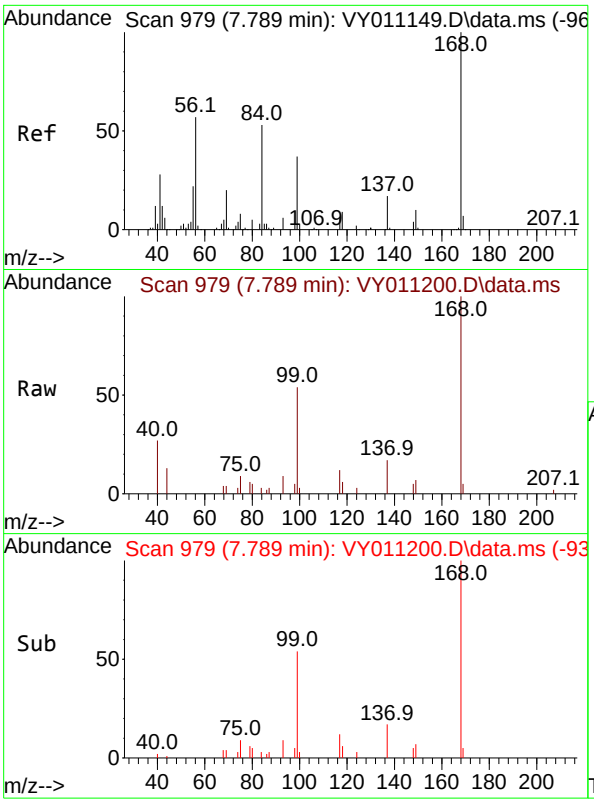


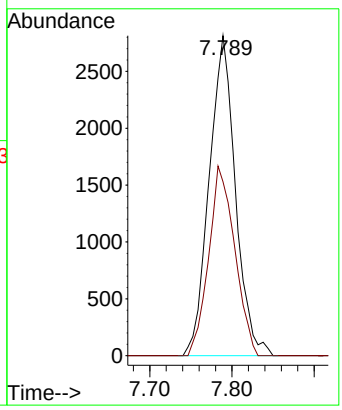


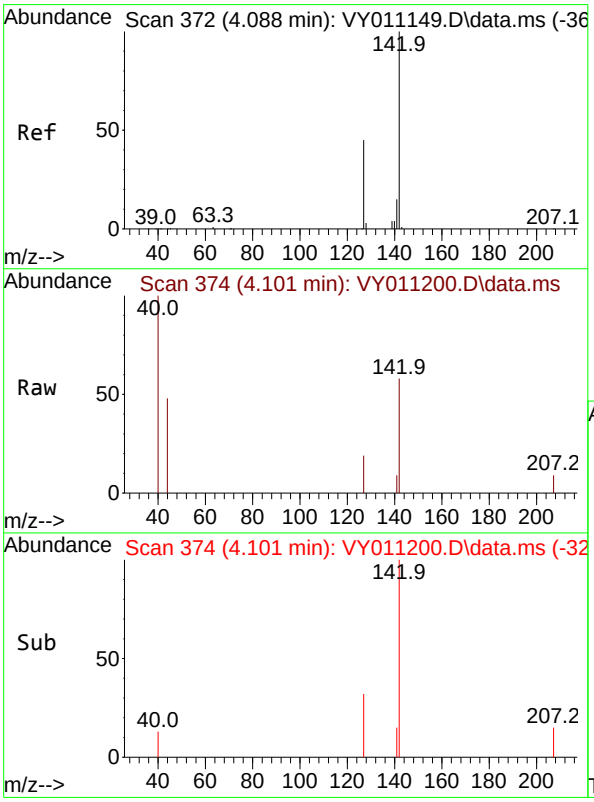

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LACY-05RE

Tgt Ion:168 Resp: 6240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.3 | 46.9 | 70.3 |

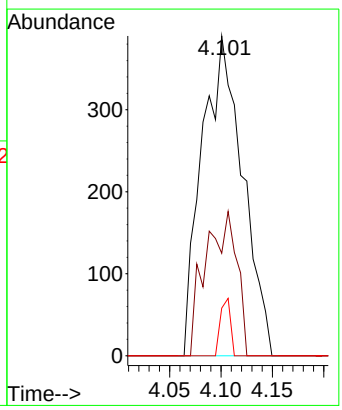


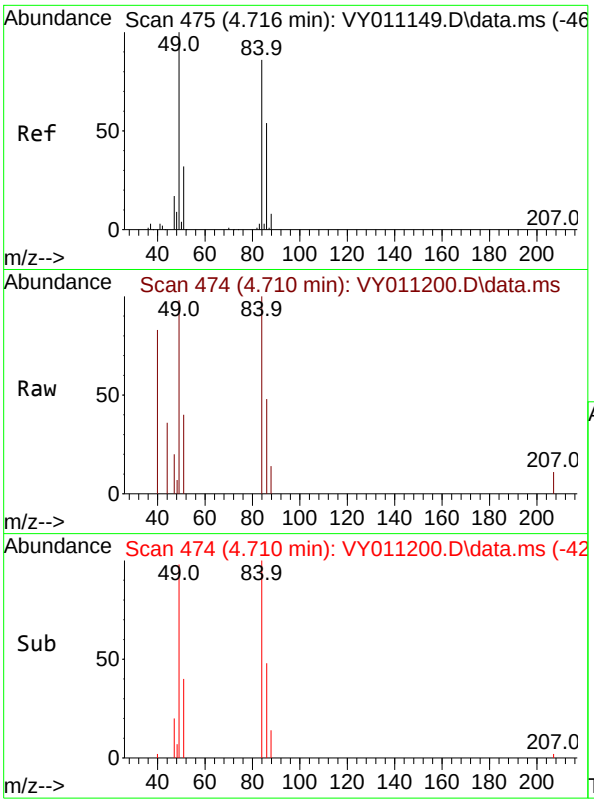




#10
Methyl Iodide
Concen: 17.600 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

Tgt Ion:142 Resp: 1074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 20.9 | 41.5 | 62.3# |
| 141 | 4.4 | 11.9 | 17.9# |



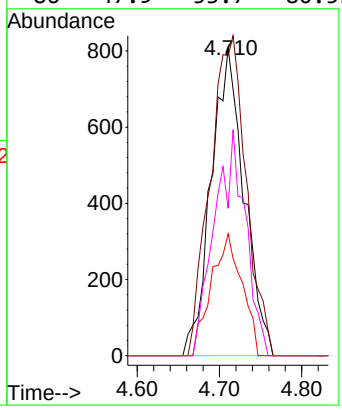


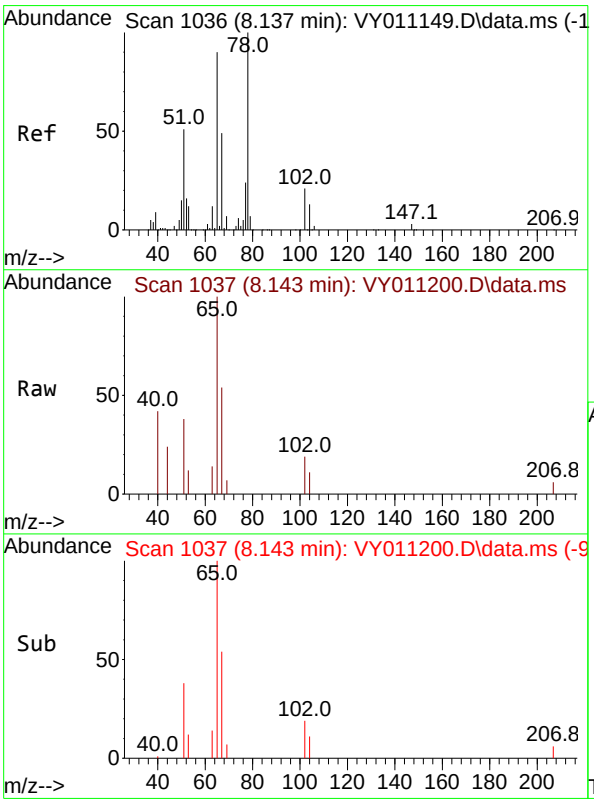

#20
Methylene Chloride
Concen: 32.168 ug/l
RT: 4.710 min Scan# 4
Delta R.T. -0.006 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LACY-05RE

Tgt Ion: 84 Resp: 2253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 97.5 | 114.4 | 171.6# |
| 51 | 39.6 | 35.3 | 52.9 |
| 86 | 47.9 | 53.7 | 80.5# |

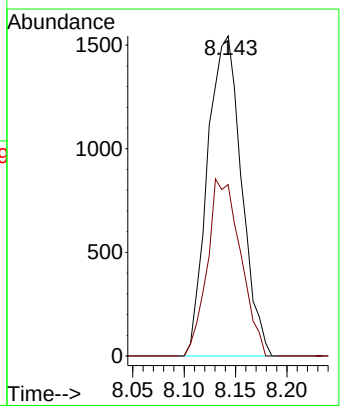


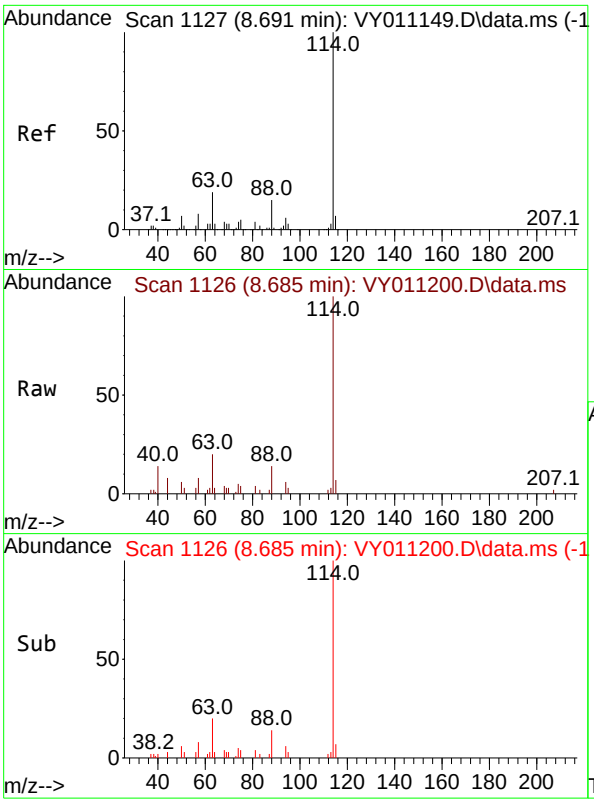




#33
1,2-Dichloroethane-d4
Concen: 54.973 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

Tgt Ion: 65 Resp: 3547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.2 | 0.0 | 99.4 |



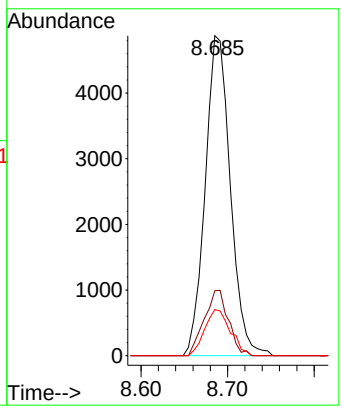


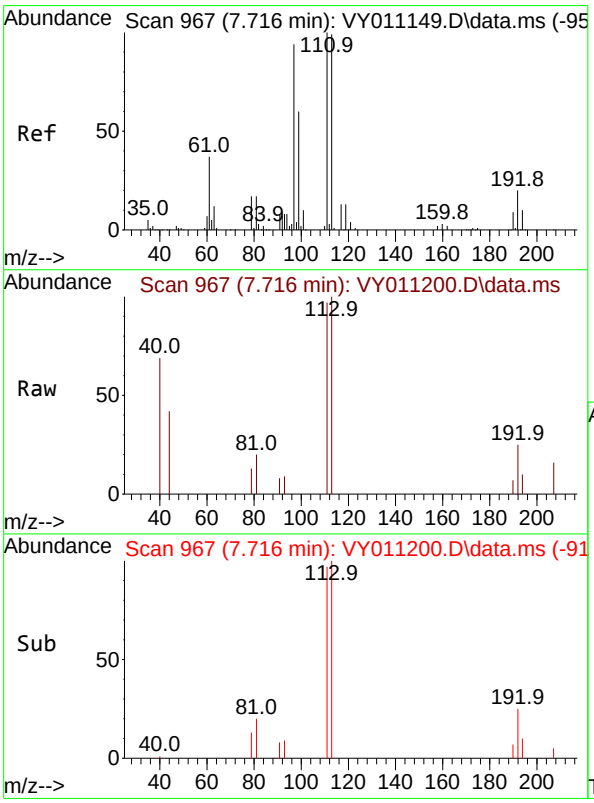

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LACY-05RE

Tgt Ion:114 Resp: 9825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 43.2 |
| 88 | 14.4 | 0.0 | 31.8 |

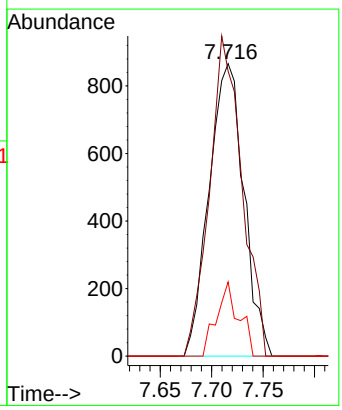


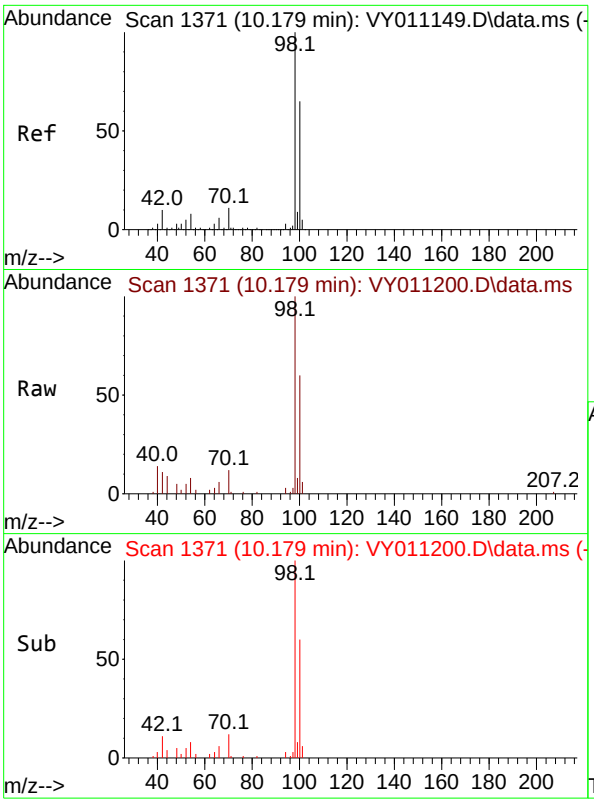




#35
Dibromofluoromethane
Concen: 33.731 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

Tgt Ion:113 Resp: 2038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 82.6 | 124.0 |
| 192 | 16.1 | 17.6 | 26.4# |



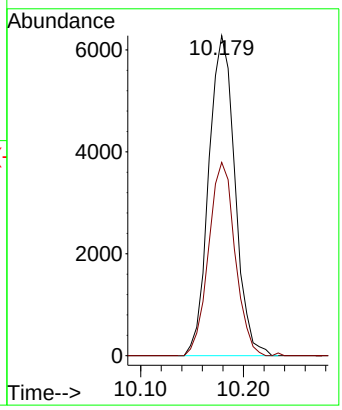


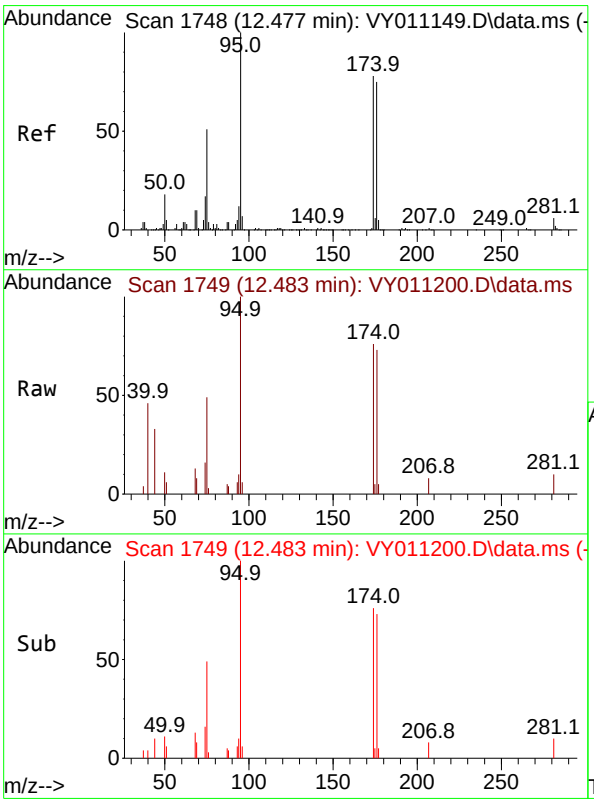

#50
Toluene-d8
Concen: 46.394 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LACY-05RE

Tgt Ion: 98 Resp: 11105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 61.0 | 50.2 | 75.2 |

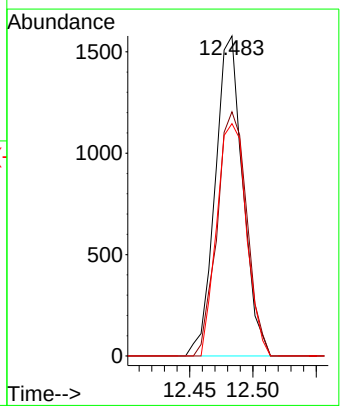


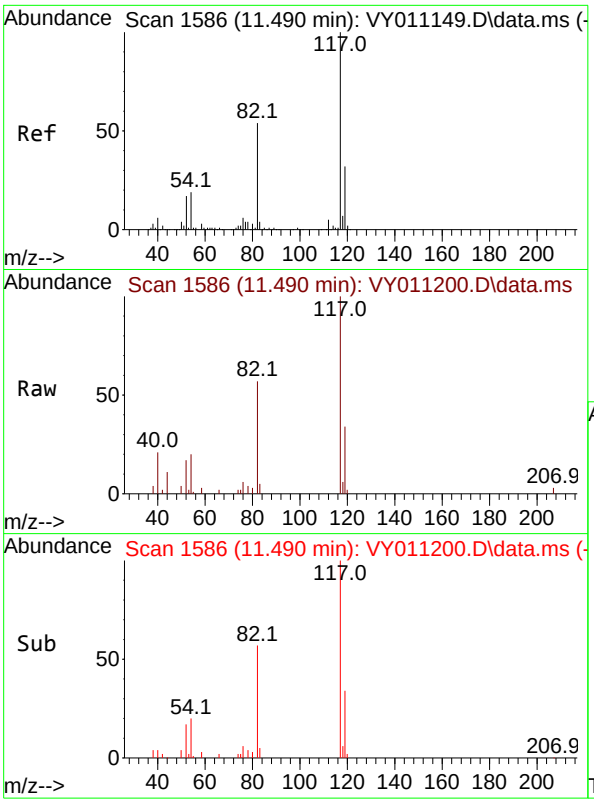




#62
4-Bromofluorobenzene
Concen: 30.541 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

Tgt Ion: 95 Resp: 2392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.3 | 0.0 | 177.0 |
| 176 | 78.1 | 0.0 | 175.8 |



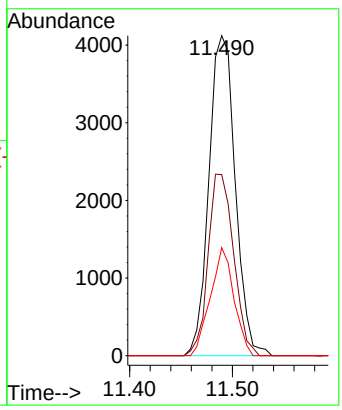


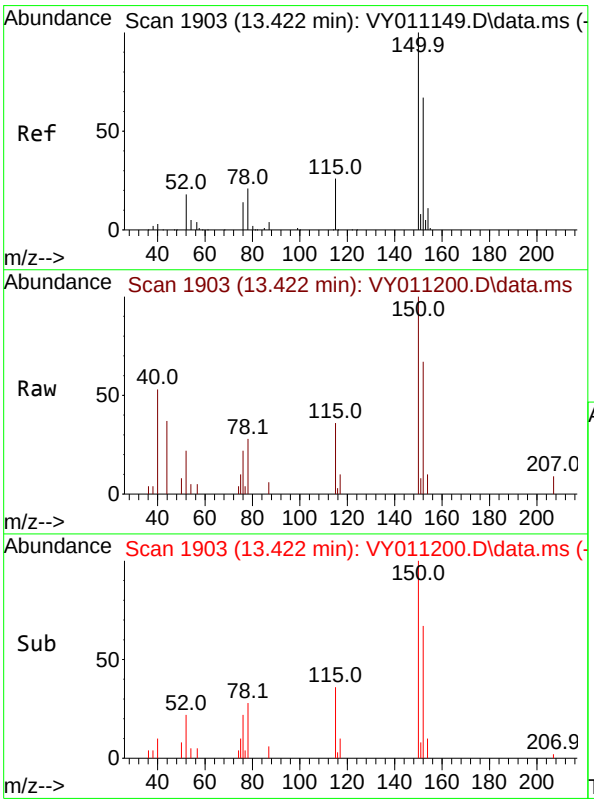

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LACY-05RE

Tgt Ion:117 Resp: 7339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 43.0 | 64.4 |
| 119 | 33.8 | 25.4 | 38.0 |




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011200.D
Acq: 31 Oct 2022 16:26

Tgt Ion:152 Resp: 1622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.9 | 28.2 | 84.7 |
| 150 | 152.7 | 0.0 | 347.6 |