Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
Data File : VY008337.D
Acq On : 14 Apr 2022 18:58
Operator : KP/MD
Sample : N2401-07
Misc : 3.58g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Quant Time: Apr 15 06:17:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 08 16:02:50 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 102245 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.685 | 114 | 183336 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.489 | 117 | 180626 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152 | 79810 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.136 | 65 | 60079 | 62.556 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 125.120% | | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 58823 | 55.550 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 111.100% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 222364 | 61.369 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 122.740% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 80473 | 59.048 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 118.100% | | | |
| Target Compounds | | | | | | Qvalue |
| 7) Trichlorofluoromethane | 3.125 | 101 | 15363 | 8.864 | ug/l | 85 |
| 31) Cyclohexane | 7.783 | 56 | 4536 | 2.612 | ug/l # | 29 |
| 39) Methylcyclohexane | 9.185 | 83 | 3698 | 1.700 | ug/l # | 83 |
| 52) Toluene | 10.240 | 92 | 6221 | 1.875 | ug/l | 97 |
| 69) o-Xylene | 12.026 | 106 | 5785 | 2.250 | ug/l | 90 |

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

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Misc : 3.58g/5.0mL/MSVOA_Y/SOIL
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**Instrument :**
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**ClientSampleId :**
CL-7-11.5

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
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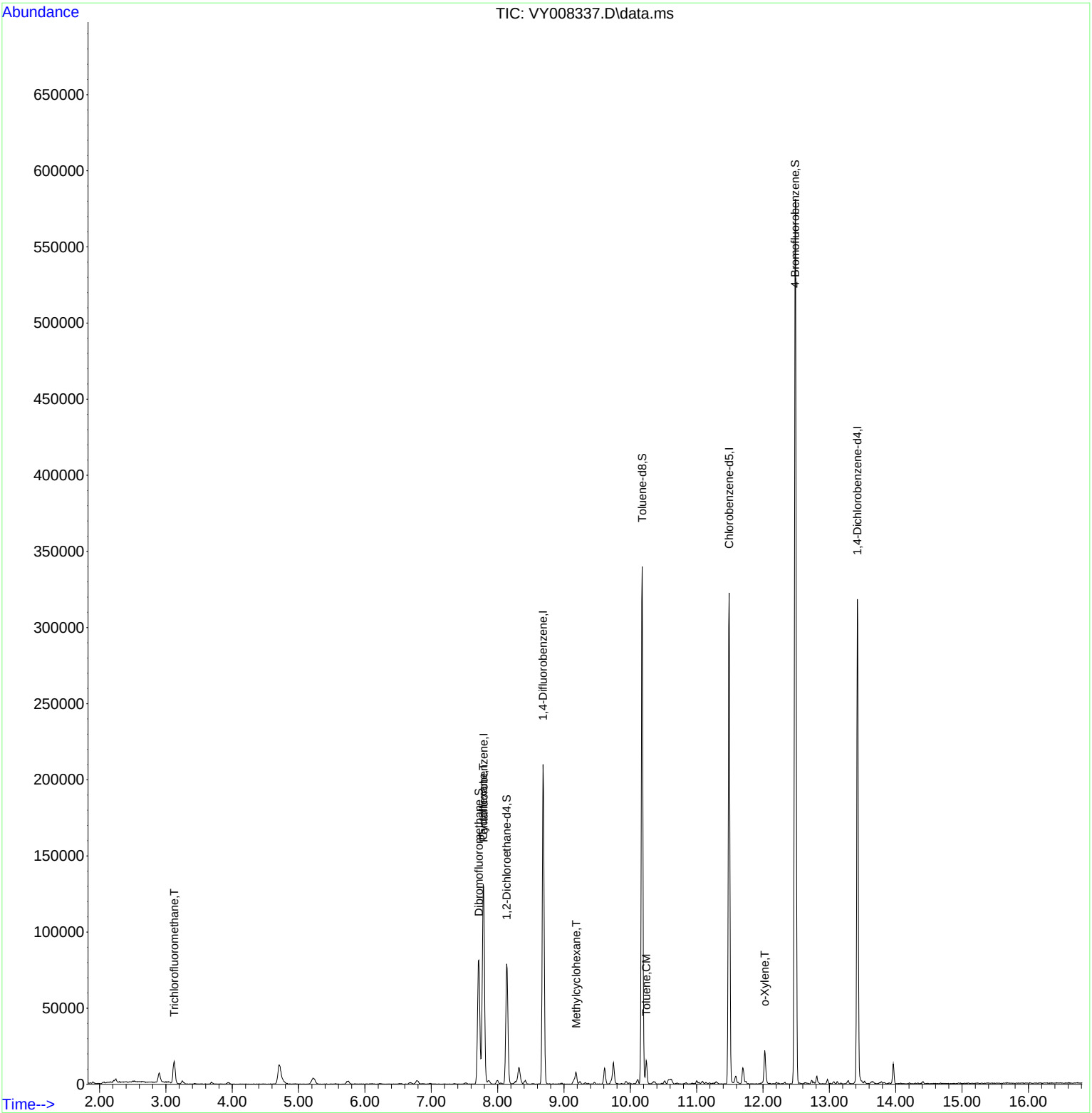
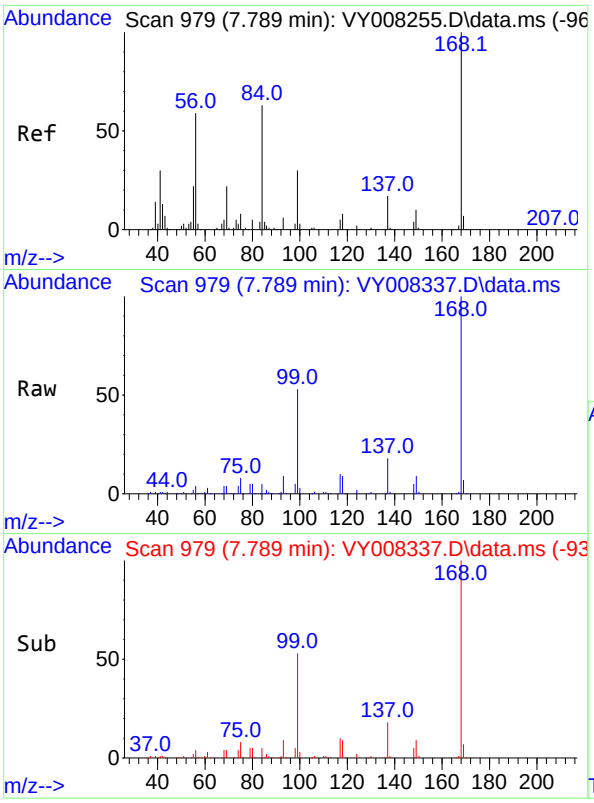


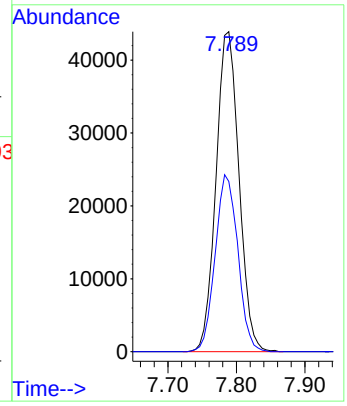


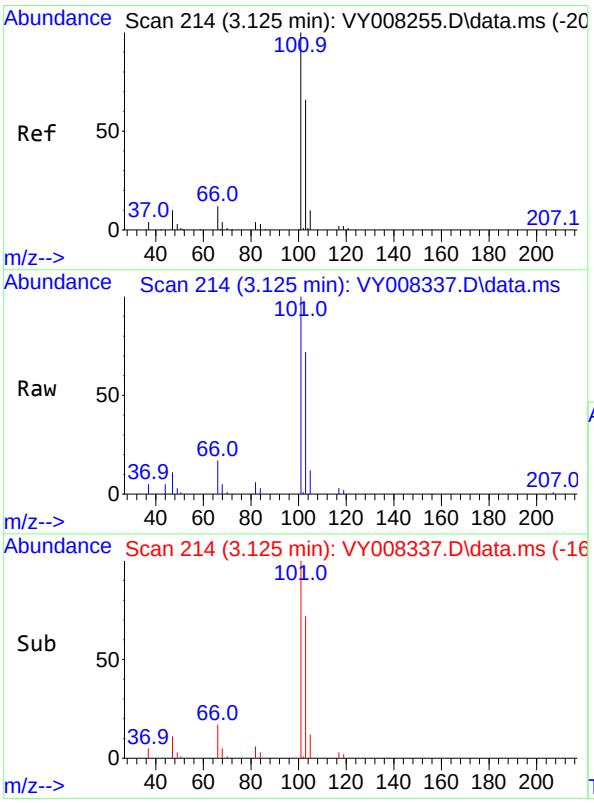

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion:168 Resp: 102245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.2 | 46.9 | 70.3 |

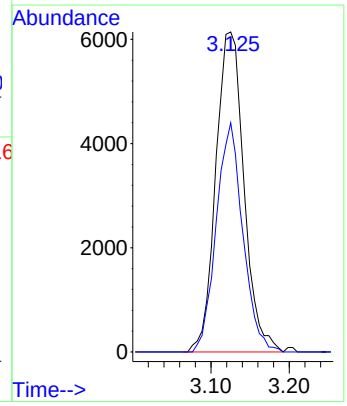


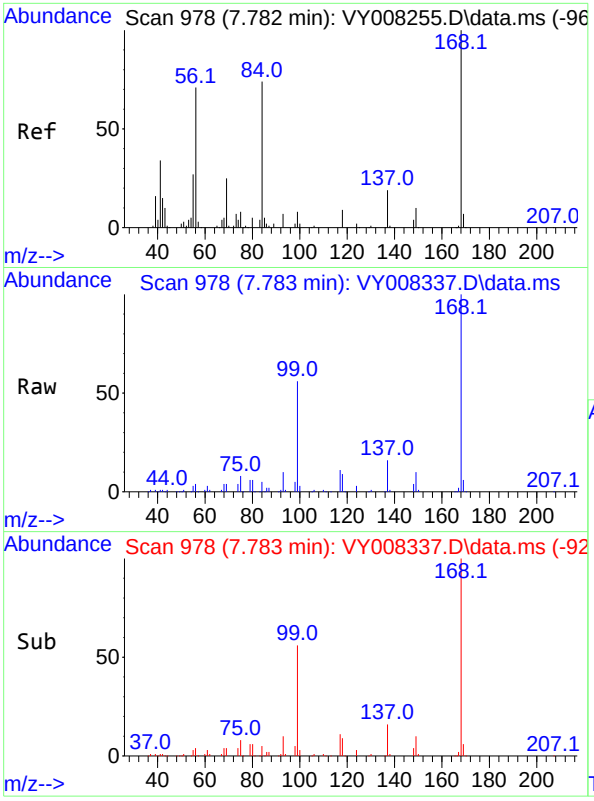




#7
Trichlorofluoromethane
Concen: 8.864 ug/l
RT: 3.125 min Scan# 214
Delta R.T. 0.000 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

Tgt Ion:101 Resp: 15363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 71.6 | 48.0 | 72.0 |



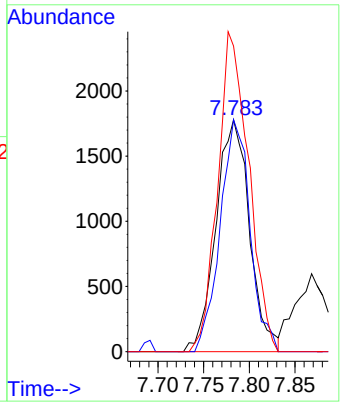


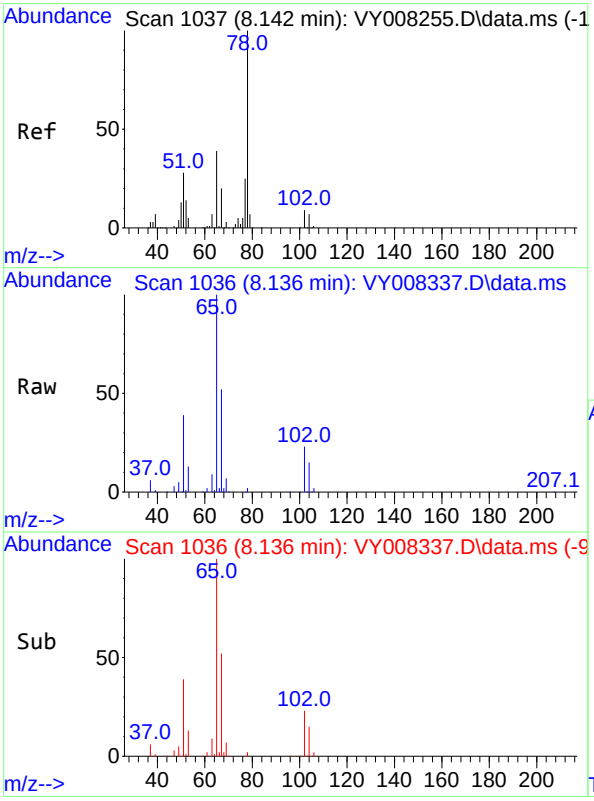

#31
Cyclohexane
Concen: 2.612 ug/l
RT: 7.783 min Scan# 9
Delta R.T. 0.001 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion: 56 Resp: 4536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 100.1 | 26.7 | 40.1# |
| 84 | 131.8 | 67.2 | 100.8# |

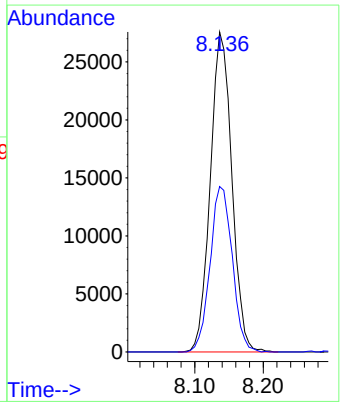


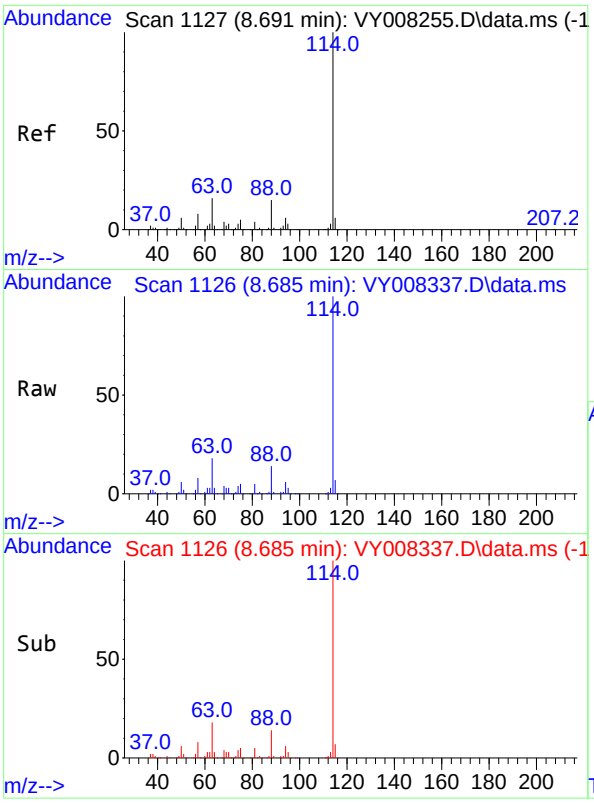




#33
1,2-Dichloroethane-d4
Concen: 62.556 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

Tgt Ion: 65 Resp: 60079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 99.4 |



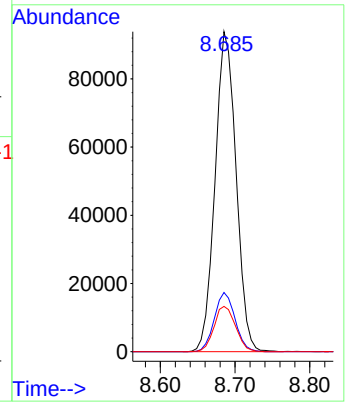


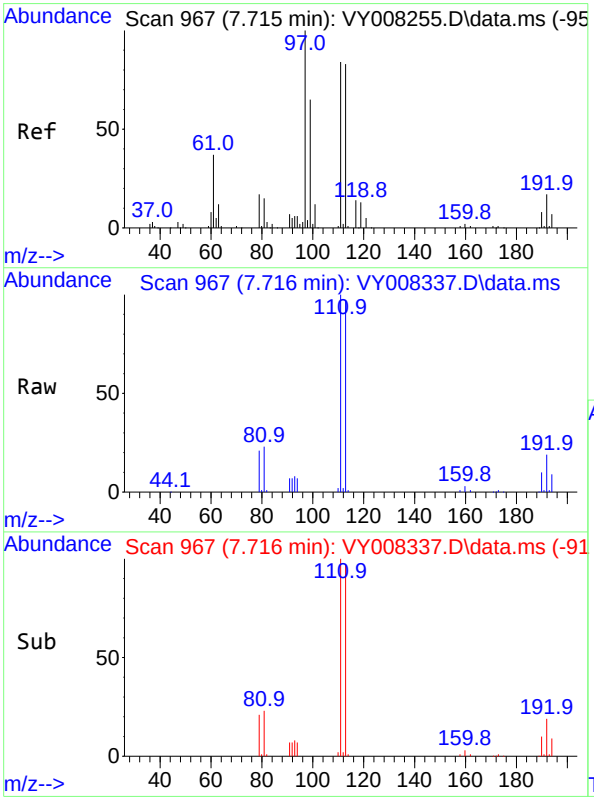

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion:114 Resp: 183336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 43.2 |
| 88 | 14.1 | 0.0 | 31.8 |

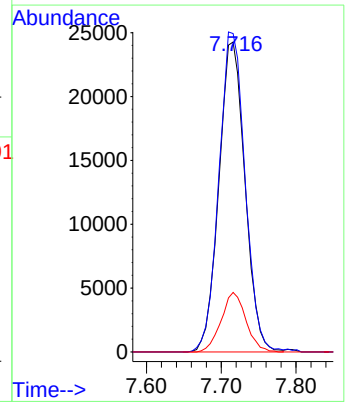


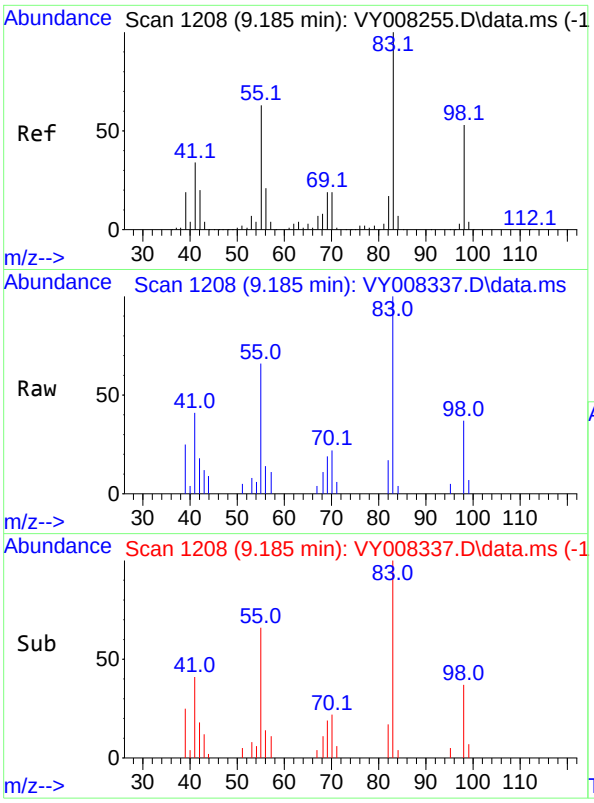




#35
Dibromofluoromethane
Concen: 55.550 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.001 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

Tgt Ion:113 Resp: 58823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 82.6 | 124.0 |
| 192 | 18.3 | 17.6 | 26.4 |



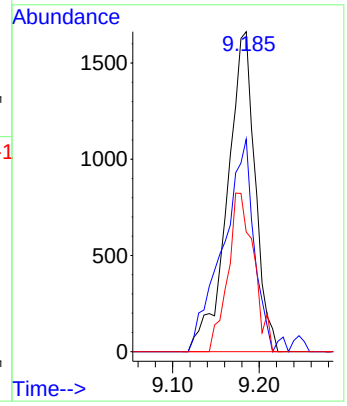


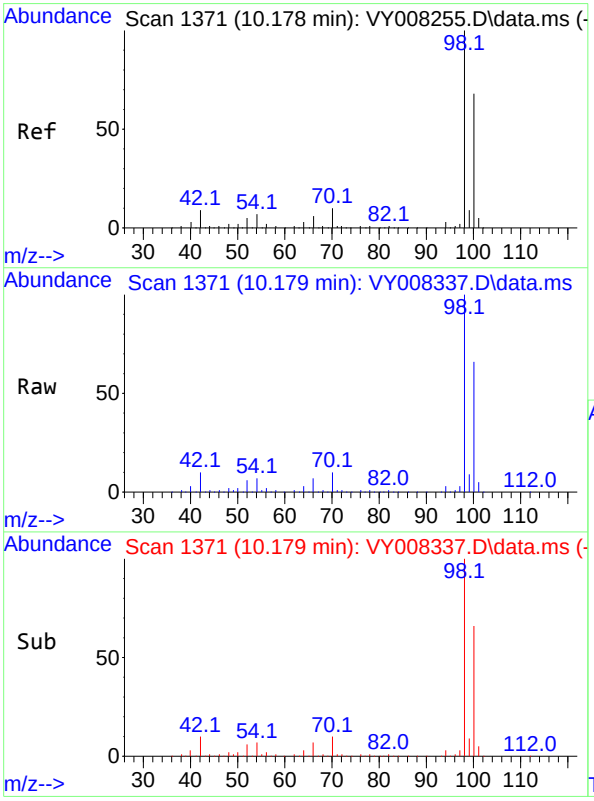

#39
Methylcyclohexane
Concen: 1.700 ug/l
RT: 9.185 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion: 83 Resp: 3698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 66.4 | 66.5 | 99.7# |
| 98 | 37.4 | 37.9 | 56.9# |

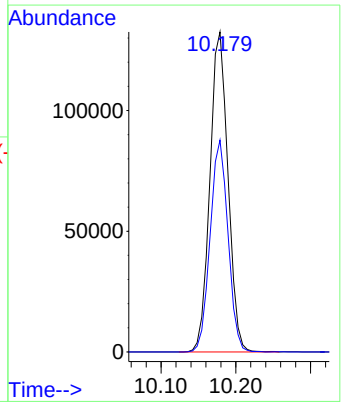


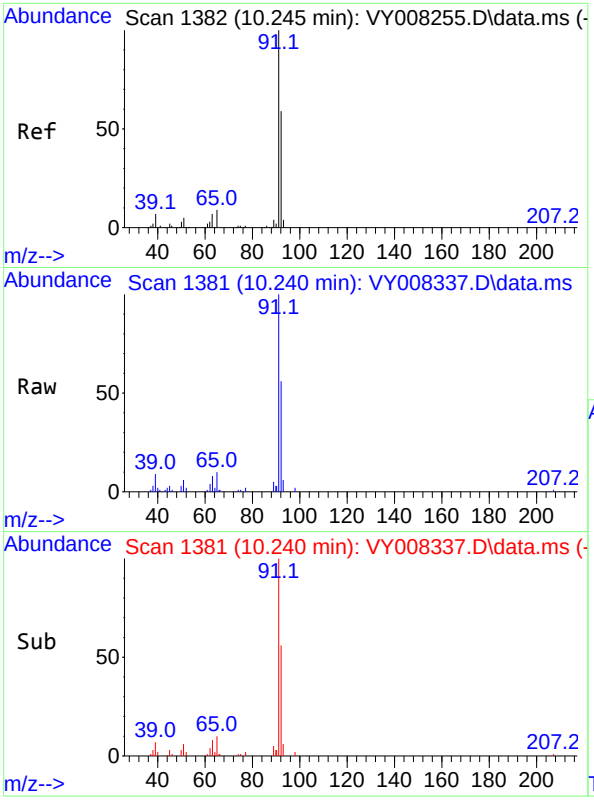




#50
Toluene-d8
Concen: 61.369 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

Tgt Ion: 98 Resp: 222364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 50.2 | 75.2 |



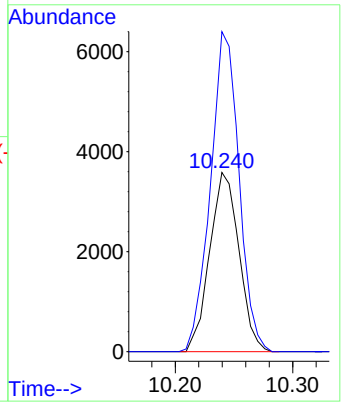


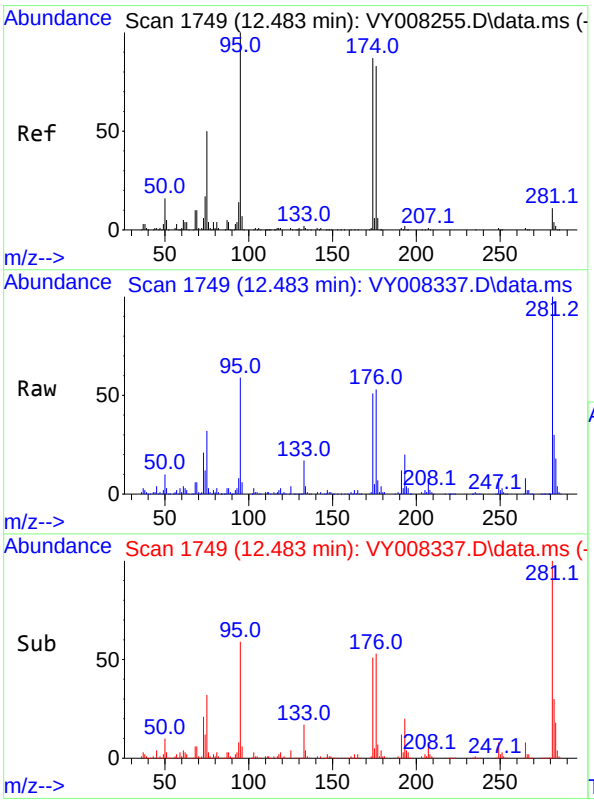

#52
Toluene
Concen: 1.875 ug/l
RT: 10.240 min Scan# 1
Delta R.T. -0.005 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion: 92 Resp: 6221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 142.6 | 213.8 |

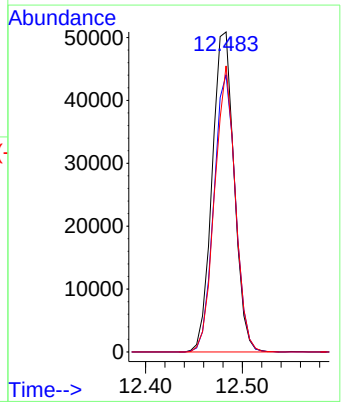


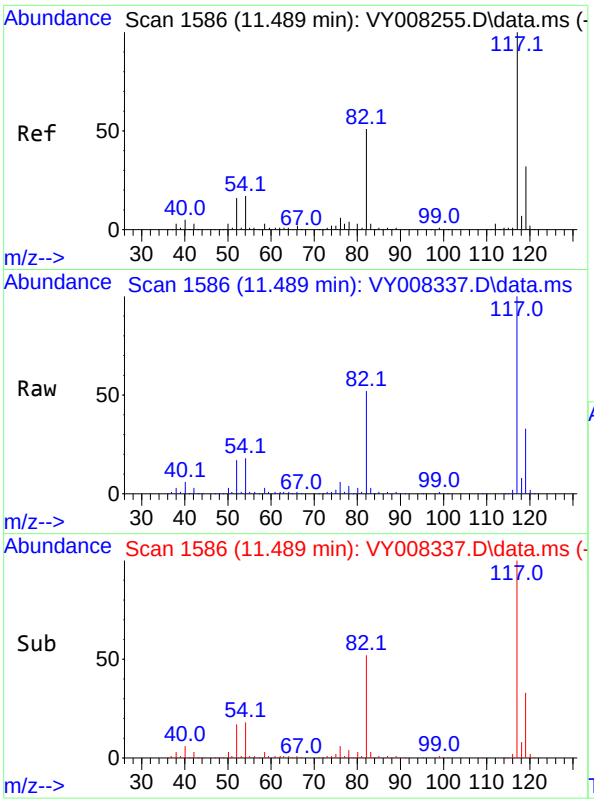




#62
4-Bromofluorobenzene
Concen: 59.048 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

Tgt Ion: 95 Resp: 80473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.9 | 0.0 | 177.0 |
| 176 | 83.7 | 0.0 | 175.8 |



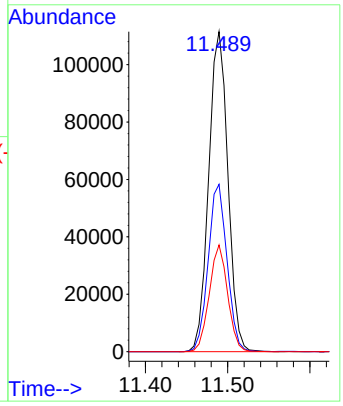


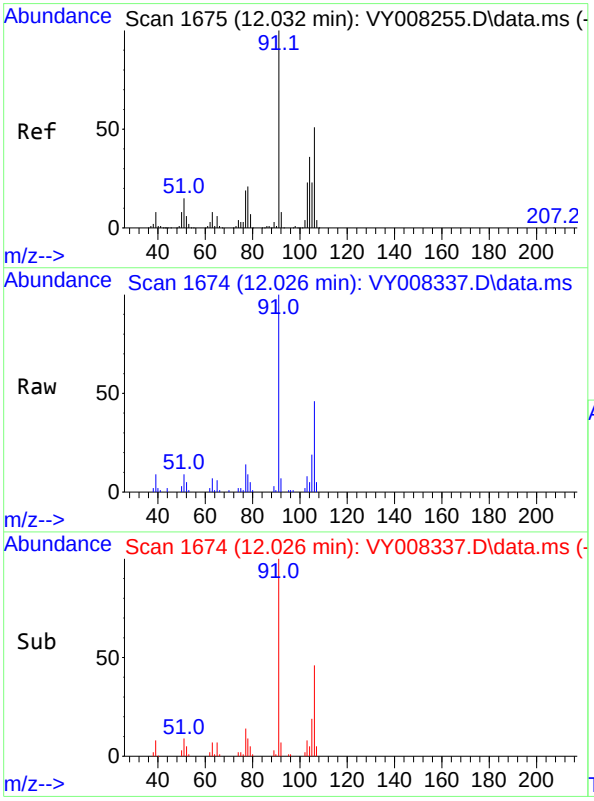

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion:117 Resp: 180626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.3 | 43.0 | 64.4 |
| 119 | 33.3 | 25.4 | 38.0 |

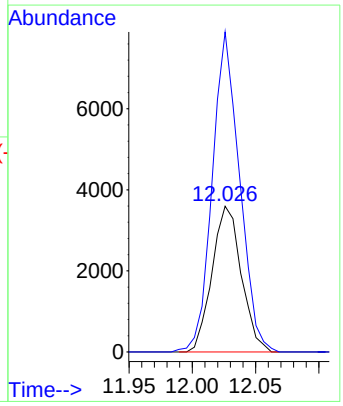


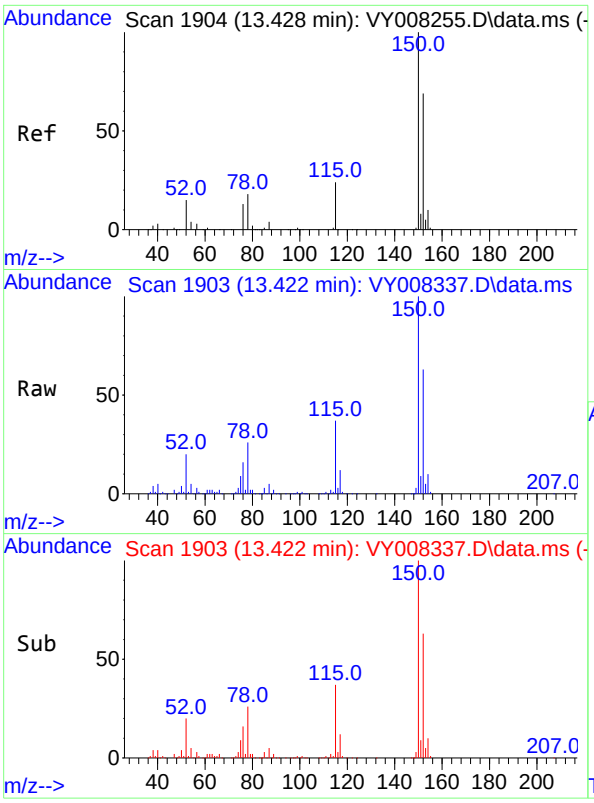




#69
o-Xylene
Concen: 2.250 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

Tgt Ion:106 Resp: 5785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.6 | 110.3 | 331.0 |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY008337.D
Acq: 14 Apr 2022 18:58

**Instrument :**
MSVOA_Y
**ClientSampleId :**
CL-7-11.5

Tgt Ion:152 Resp: 79810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.0 | 28.2 | 84.7 |
| 150 | 158.8 | 0.0 | 347.6 |