Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
Data File : VY007924.D
Acq On : 19 Mar 2022 01:16
Operator : SY/MD
Sample : N1958-04
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Quant Time: Mar 21 03:17:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 5473 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.691 | 114 | 9608 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.490 | 117 | 8649 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152 | 2506 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.136 | 65 | 3800 | 60.895 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 121.800% | | | |
| 35) Dibromofluoromethane | 7.710 | 113 | 2679 | 39.703 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 79.400% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 11585 | 57.776 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 115.560% | | | |
| 62) 4-Bromofluorobenzene | 12.477 | 95 | 3786 | 39.095 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 78.180% | | | |
| Target Compounds | | | | | | Qvalue |
| 67) Ethyl Benzene | 11.587 | 91 | 1123 | 3.043 | ug/l # | 74 |
| 68) m/p-Xylenes | 11.709 | 106 | 354 | 2.459 | ug/l | 73 |
| 69) o-Xylene | 12.032 | 106 | 455 | 3.267 | ug/l | 76 |
| 80) 1,3,5-Trimethylbenzene | 12.812 | 105 | 506 | 2.789 | ug/l | 100 |

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

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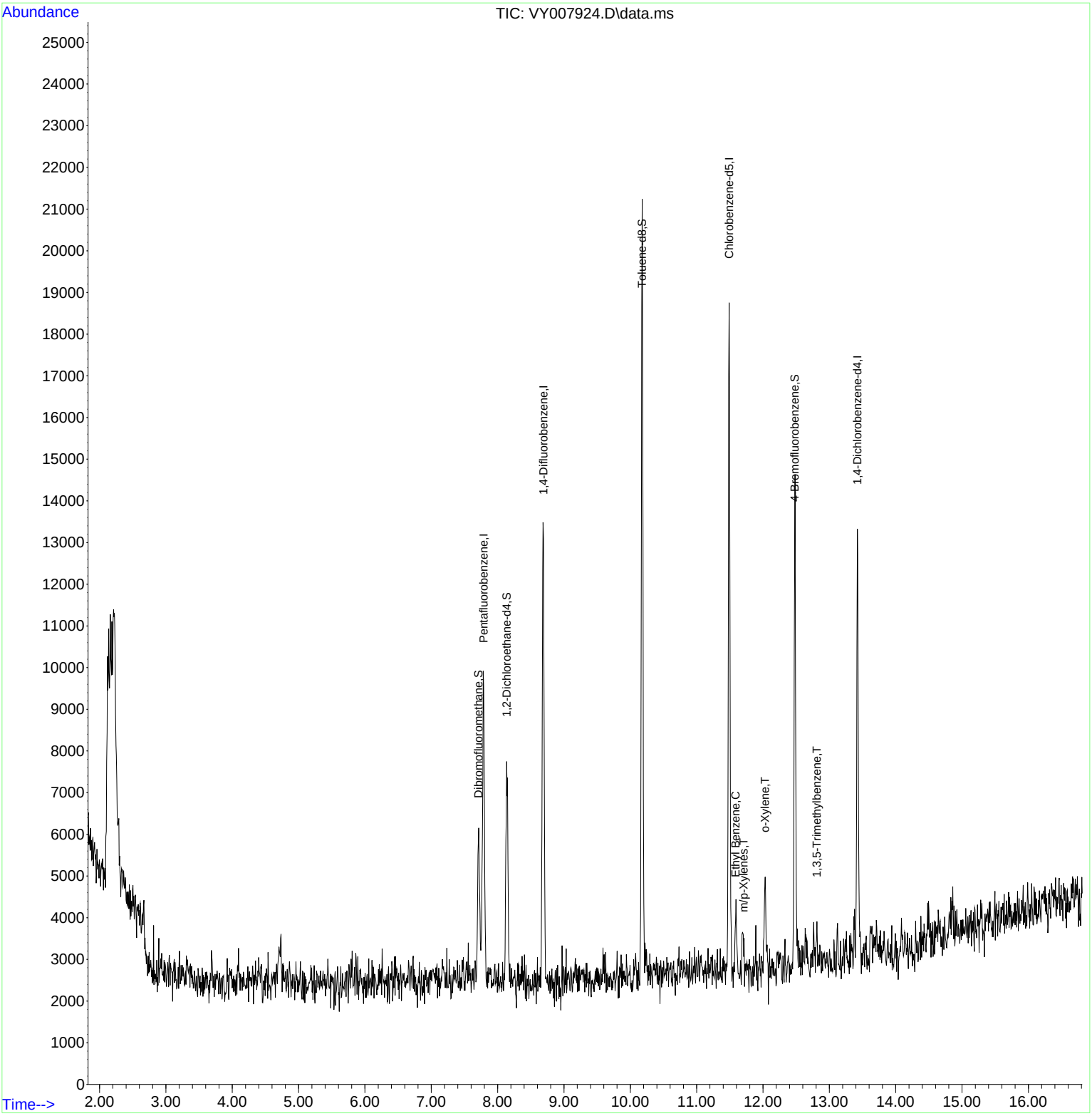
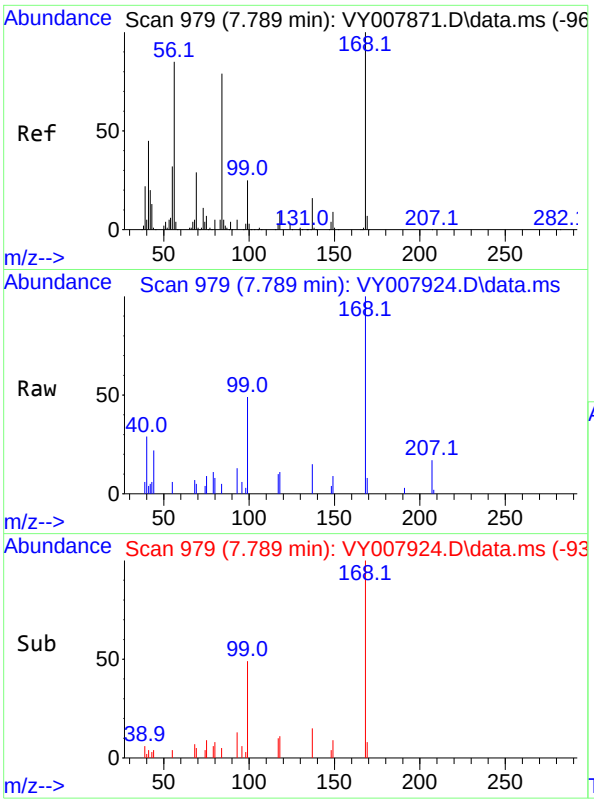


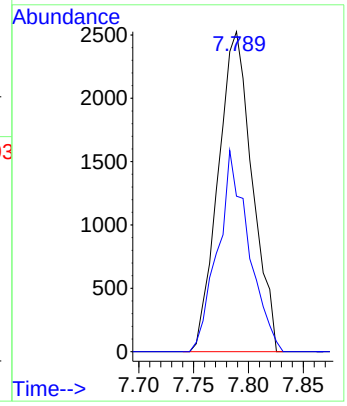


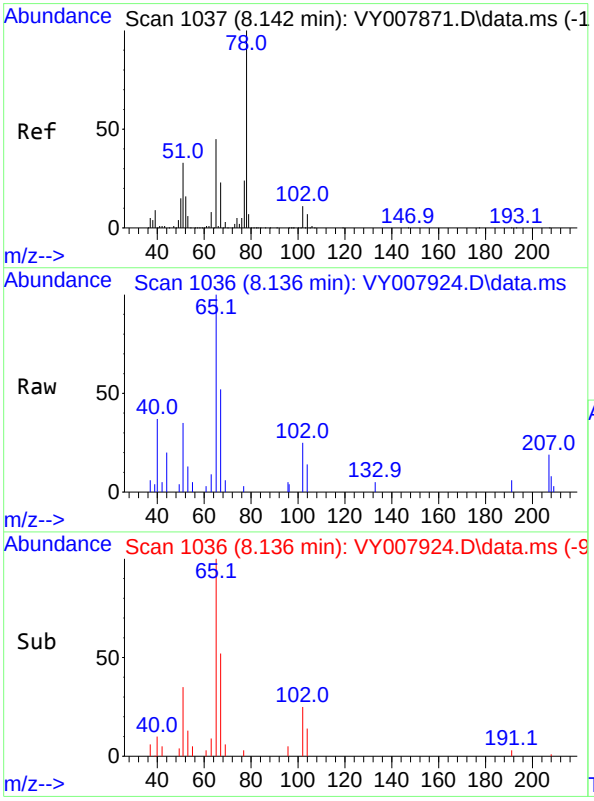

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Tgt Ion:168 Resp: 5473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.6 | 46.9 | 70.3 |

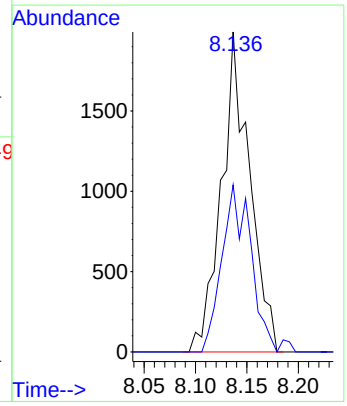


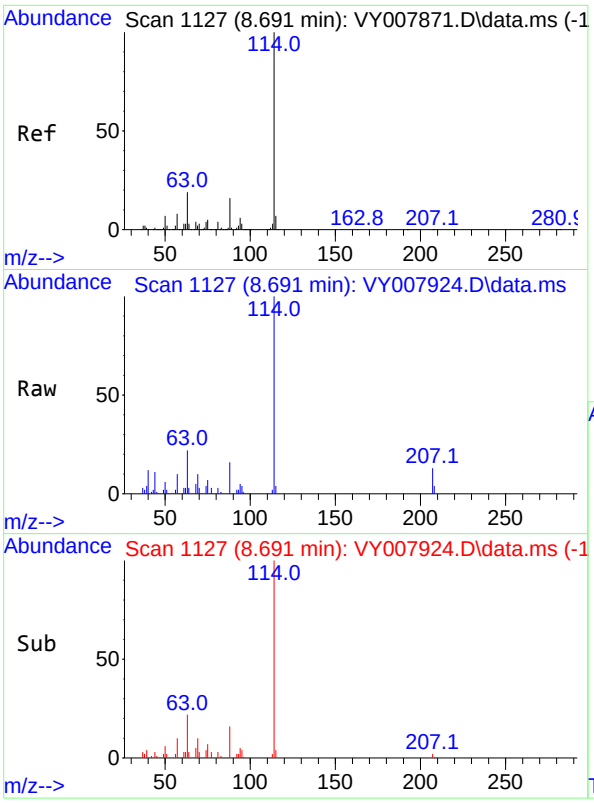




#33
1,2-Dichloroethane-d4
Concen: 60.895 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

Tgt Ion: 65 Resp: 3800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.4 | 0.0 | 99.4 |



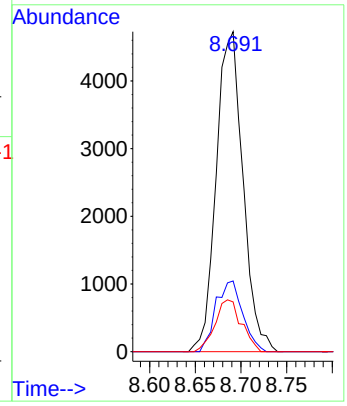


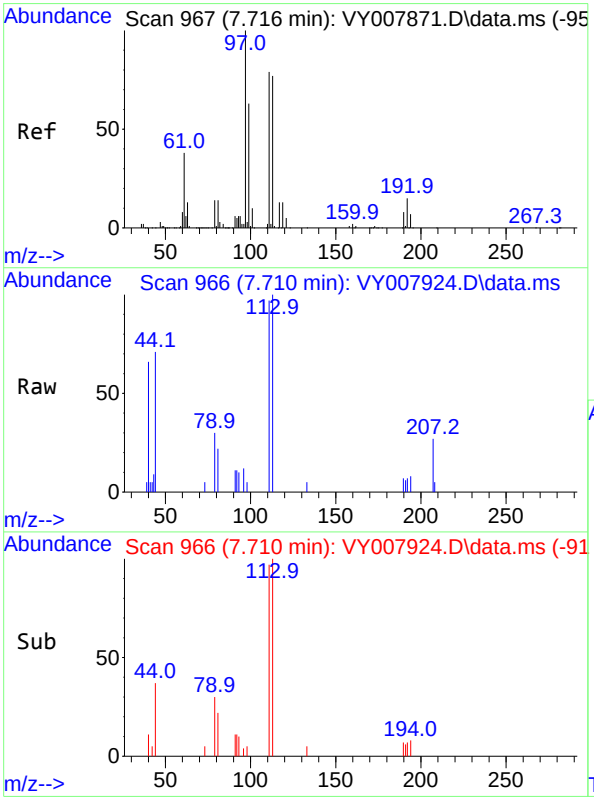

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Tgt Ion:114 Resp: 9608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 43.2 |
| 88 | 15.5 | 0.0 | 31.8 |

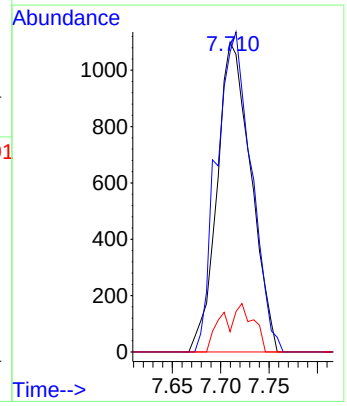


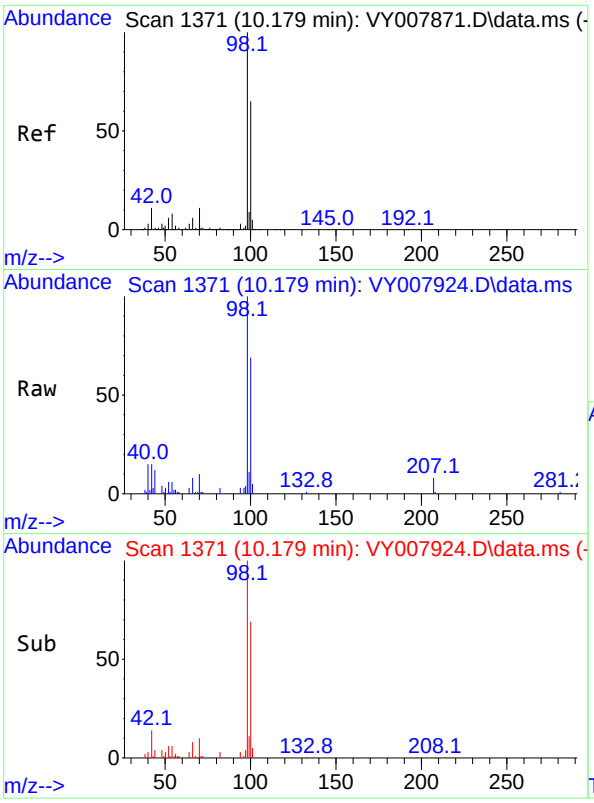




#35
Dibromofluoromethane
Concen: 39.703 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

Tgt Ion:113 Resp: 2679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.9 | 82.6 | 124.0 |
| 192 | 8.6 | 17.6 | 26.4# |



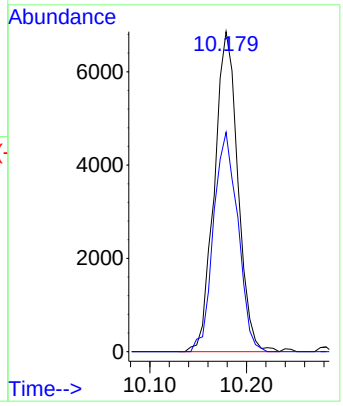


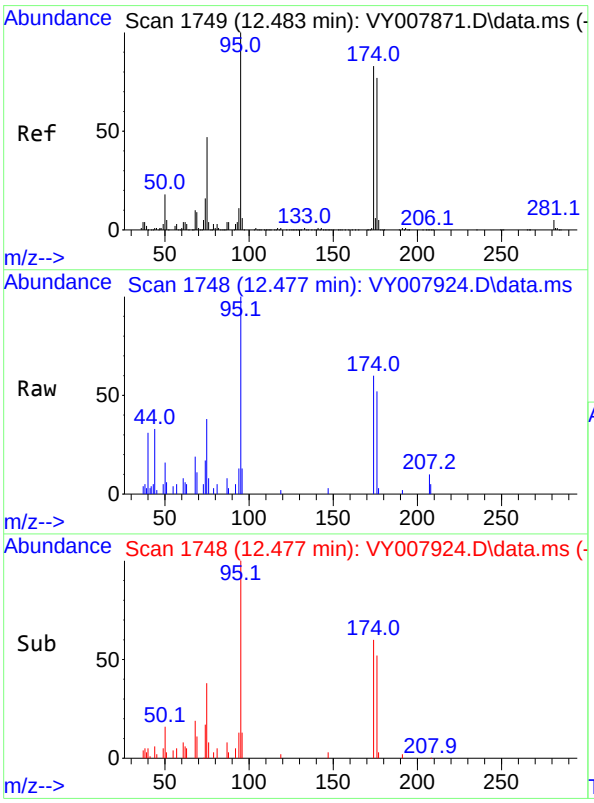

#50
Toluene-d8
Concen: 57.776 ug/l
RT: 10.179 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Tgt Ion: 98 Resp: 11585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.8 | 50.2 | 75.2 |

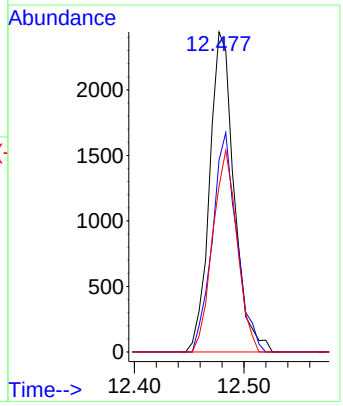


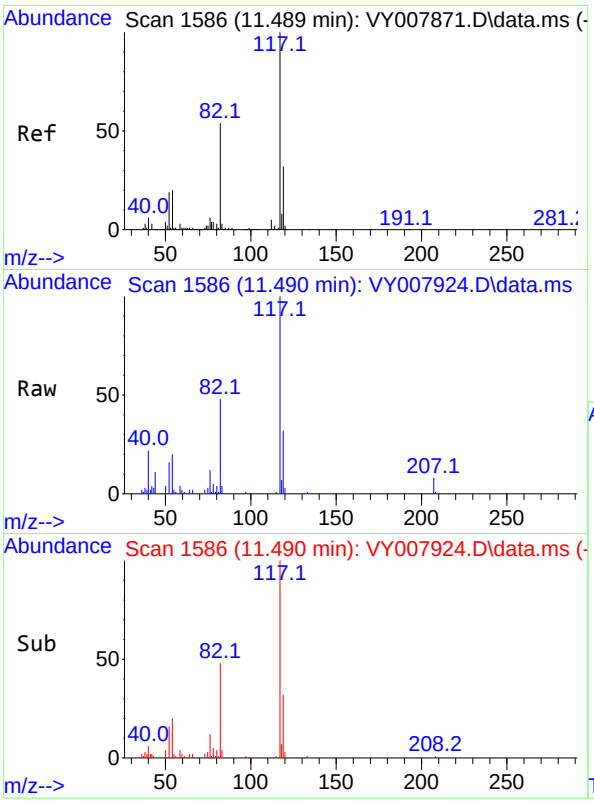




#62
4-Bromofluorobenzene
Concen: 39.095 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

Tgt Ion: 95 Resp: 3786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.8 | 0.0 | 177.0 |
| 176 | 62.9 | 0.0 | 175.8 |



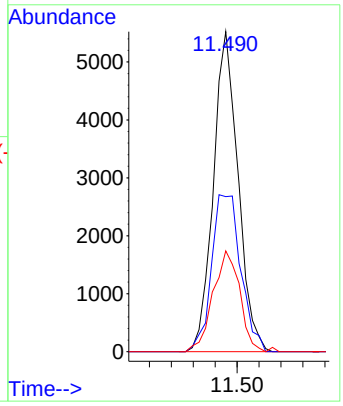


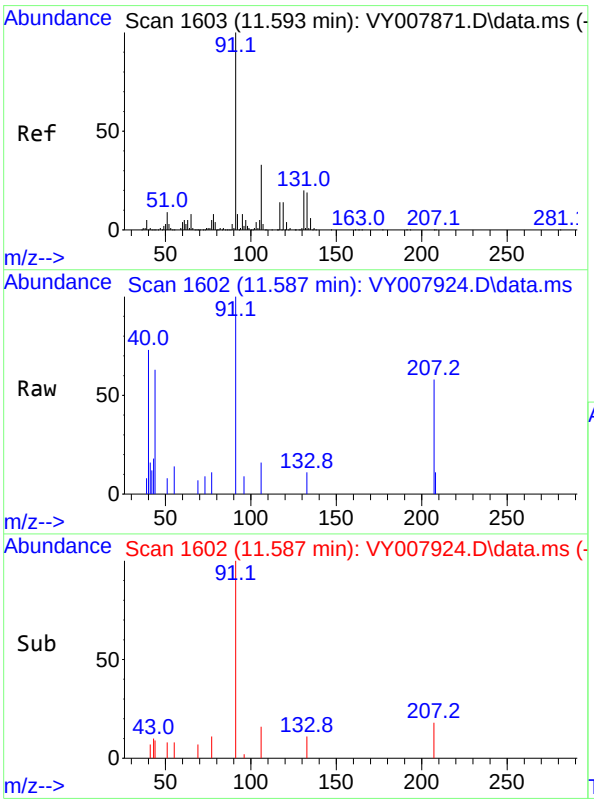

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Tgt Ion:117 Resp: 8649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 48.4 | 43.0 | 64.4 |
| 119 | 31.5 | 25.4 | 38.0 |

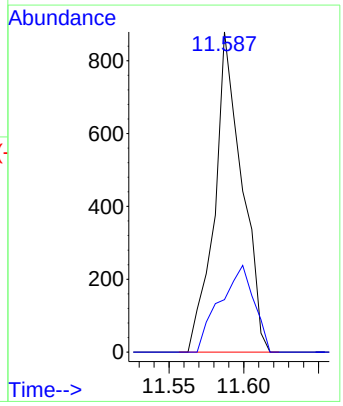


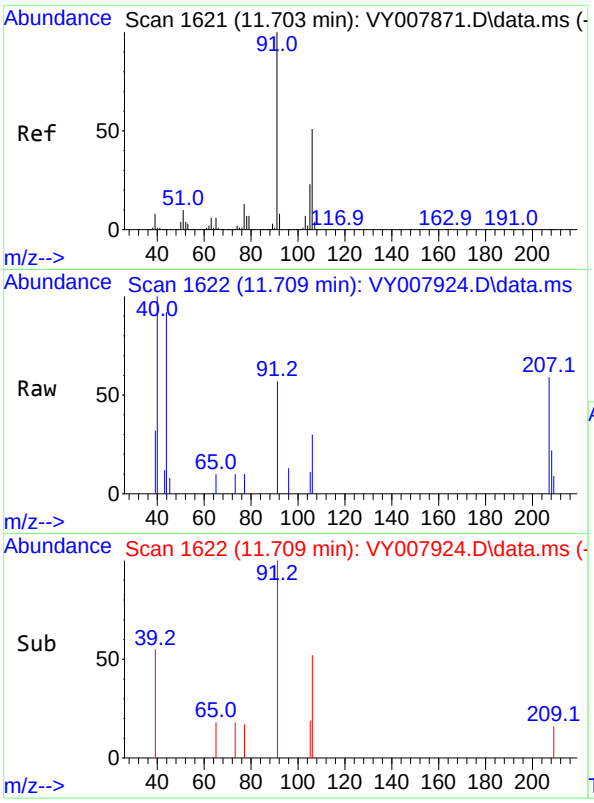




#67
Ethyl Benzene
Concen: 3.043 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

Tgt Ion: 91 Resp: 1123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 16.4 | 24.5 | 36.7# |



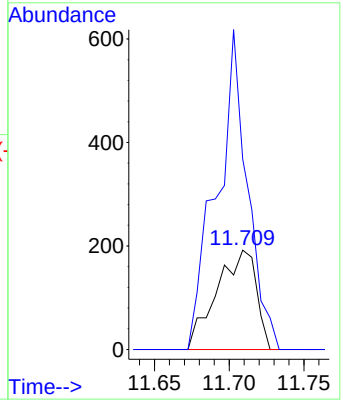


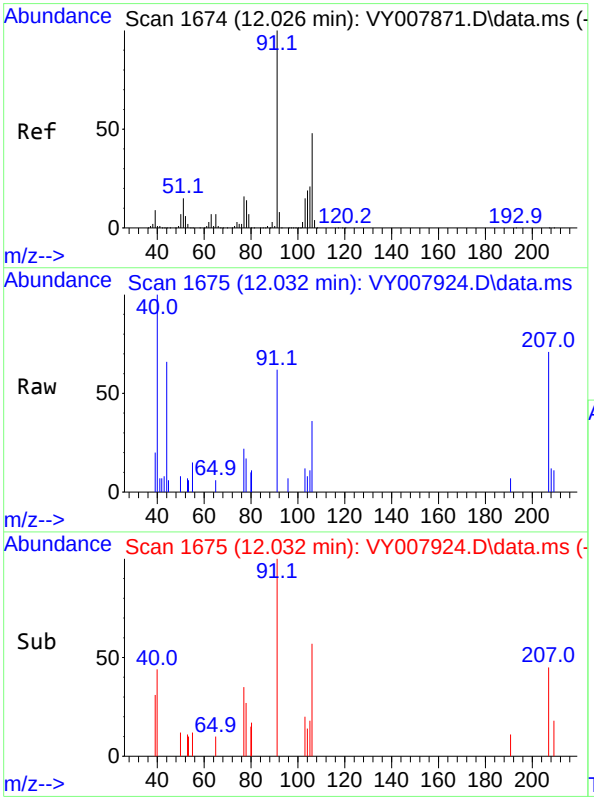

#68
m/p-Xylenes
Concen: 2.459 ug/l
RT: 11.709 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Tgt Ion:106 Resp: 354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 249.7 | 166.6 | 249.8 |

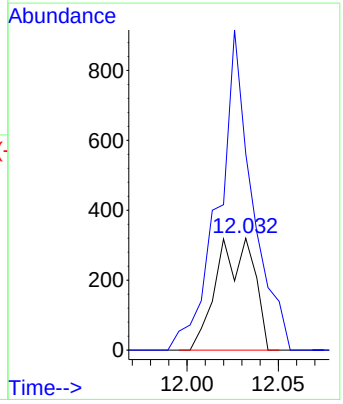


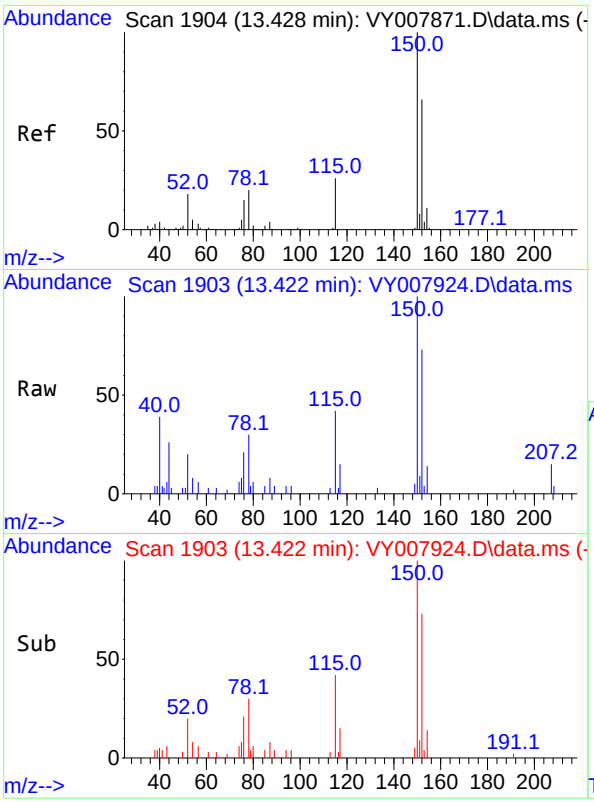




#69
o-Xylene
Concen: 3.267 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

Tgt Ion:106 Resp: 455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 258.7 | 110.3 | 331.0 |



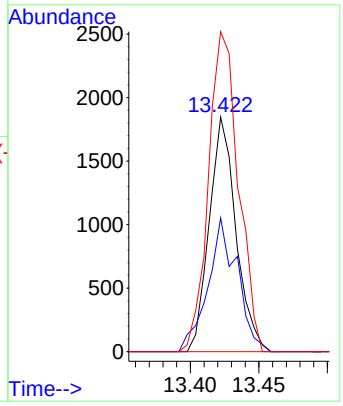


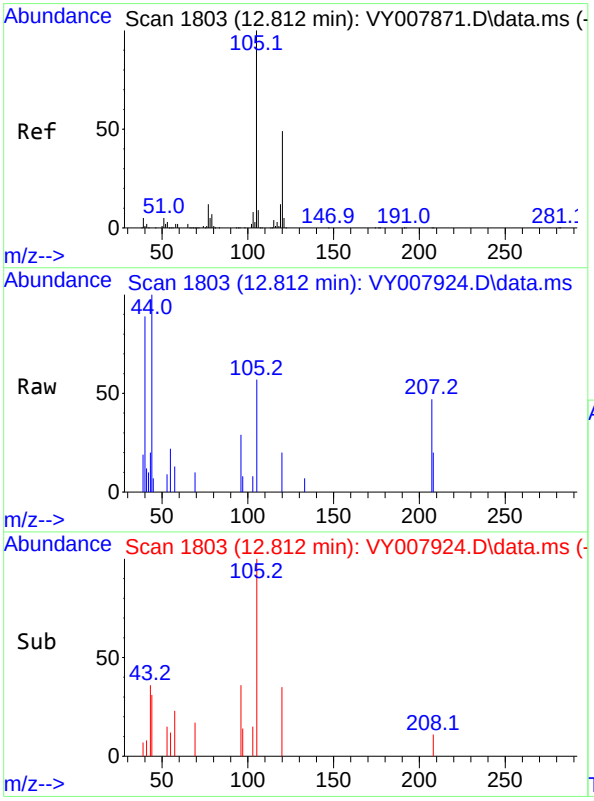

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

**Instrument :**
MSVOA_Y
**ClientSampleId :**
C-4-3-4

Tgt Ion:152 Resp: 2506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.6 | 28.2 | 84.7 |
| 150 | 152.6 | 0.0 | 347.6 |




#80
1,3,5-Trimethylbenzene
Concen: 2.789 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007924.D
Acq: 19 Mar 2022 01:16

Tgt Ion:105 Resp: 506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.8 | 24.4 | 73.4 |