Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003013.D
Acq On : 29 Jun 2020 17:54
Operator : SY/MD
Sample : L3148-01
Misc : 5.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** EPEC-POLYMERS-01

Quant Time: Jun 30 06:57:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 357203 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.69 | 114 | 572017 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 542771 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 268231 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 208533 | 58.78 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 117.56% | | | |
| 35) Dibromofluoromethane | 7.72 | 113 | 191270 | 53.60 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.20% | | | |
| 50) Toluene-d8 | 10.18 | 98 | 696166 | 52.37 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.74% | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 247840 | 52.96 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.92% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetone | 3.96 | 43 | 92289 | 110.298 | ug/l | 96 |
| 17) Carbon Disulfide | 4.20 | 76 | 31213 | 3.153 | ug/l | 99 |
| 20) Methylene Chloride | 4.72 | 84 | 65021 | 12.135 | ug/l | 97 |
| 25) 2-Butanone | 7.00 | 43 | 38911 | 29.275 | ug/l | 96 |
| 52) Toluene | 10.24 | 92 | 127865 | 13.465 | ug/l | 99 |
| 79) 2-Chlorotoluene | 12.75 | 91 | 303800 | 25.780 | ug/l | 99 |
| 82) 4-Chlorotoluene | 12.85 | 91 | 141100 | 11.500 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.12 | 105 | 15758 | 1.062 | ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 13.36 | 146 | 22163 | 2.637 | ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.44 | 146 | 28643 | 3.457 | ug/l | 87 |
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180 | 7696 | 1.374 | ug/l | 97 |

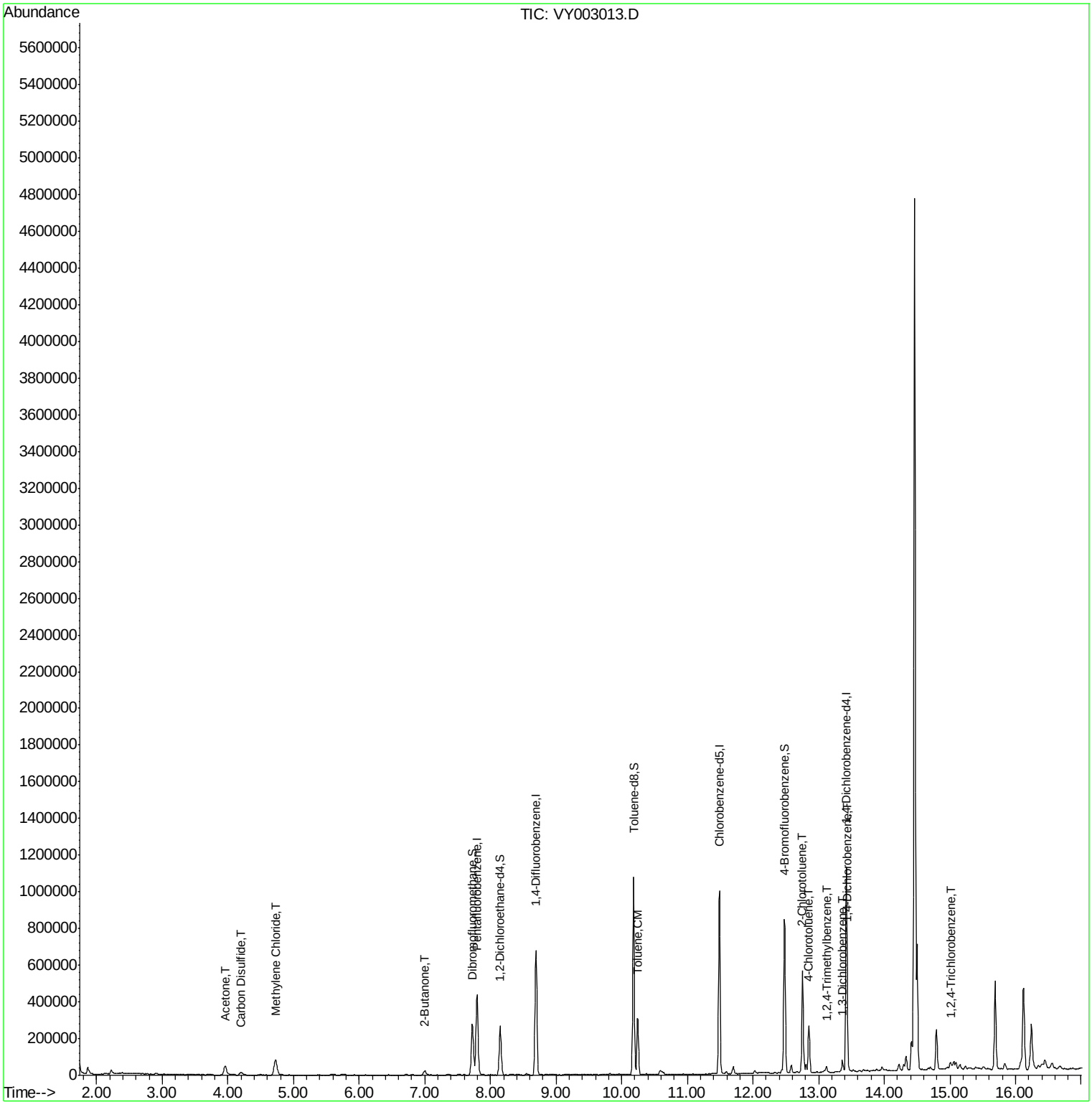
(#) = qualifier out of range (m) = manual integration (+) = signals summed

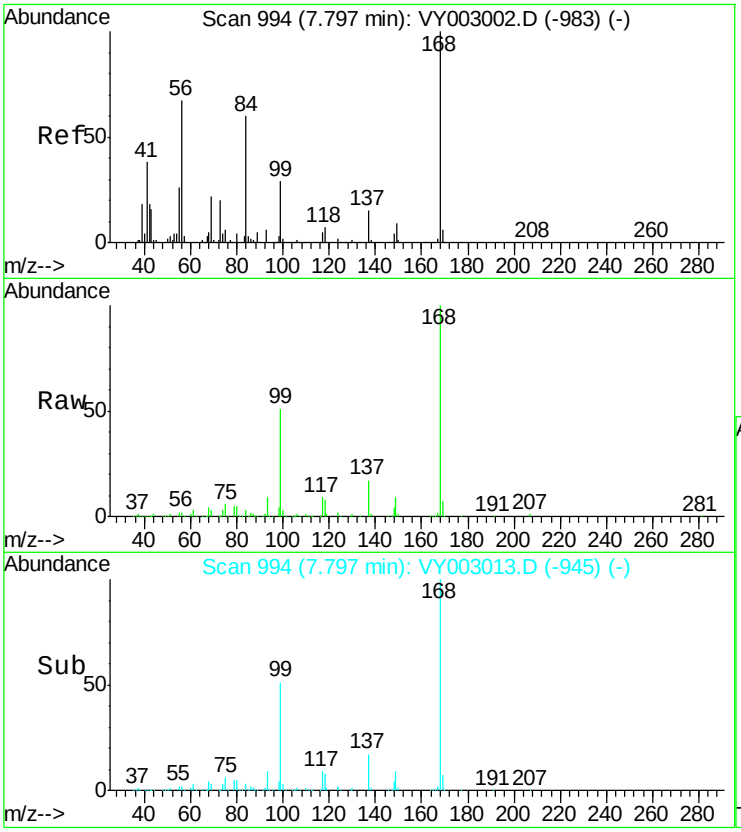
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062920\
Data File : VY003013.D
Acq On : 29 Jun 2020 17:54
Operator : SY/MD
Sample : L3148-01
Misc : 5.84G/5ML/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** EPEC-POLYMERS-01

Quant Time: Jun 30 06:57:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration



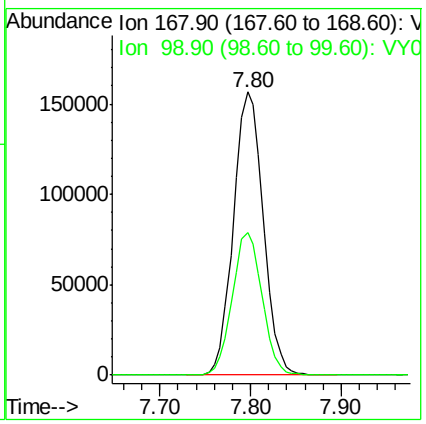


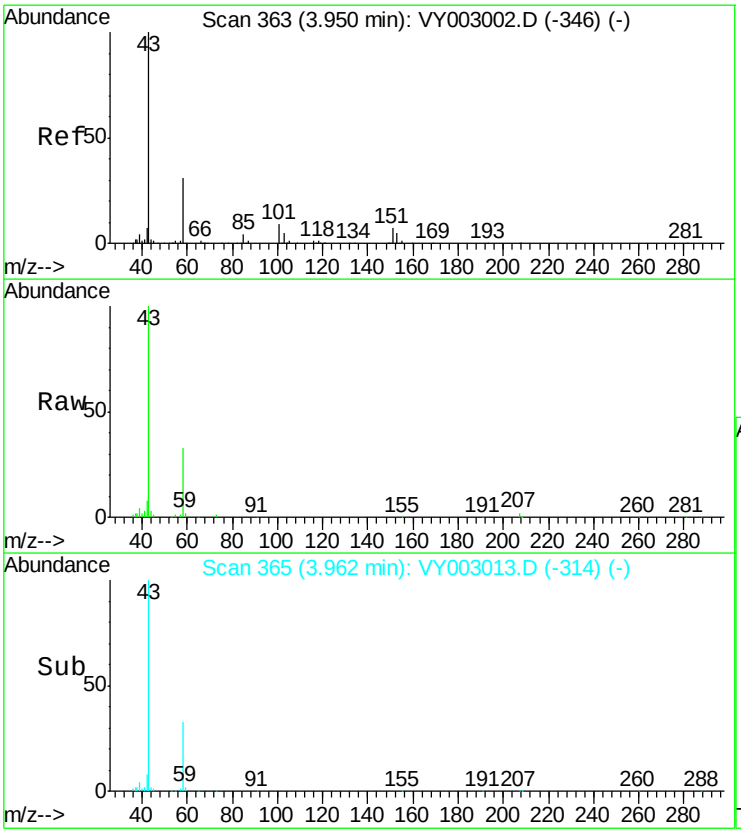

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion:168 Resp: 357203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.6 | 39.2 | 58.8 |

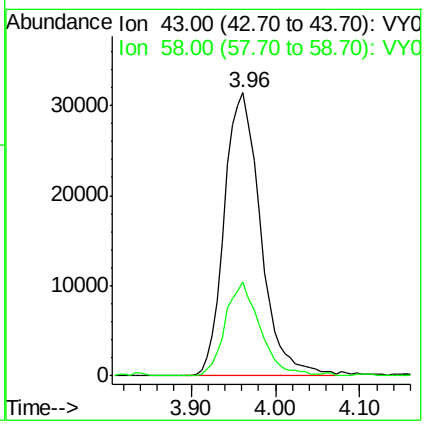


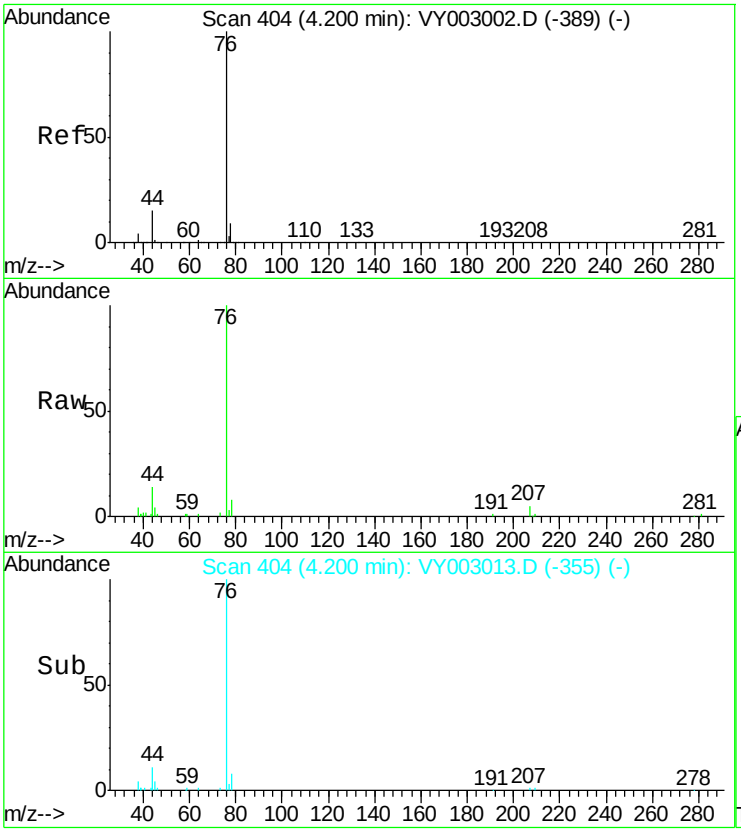




#16
Acetone
Concen: 110.298 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 43 Resp: 92289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.0 | 24.7 | 37.1 |



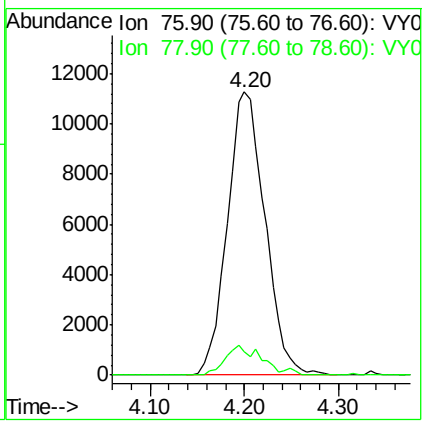


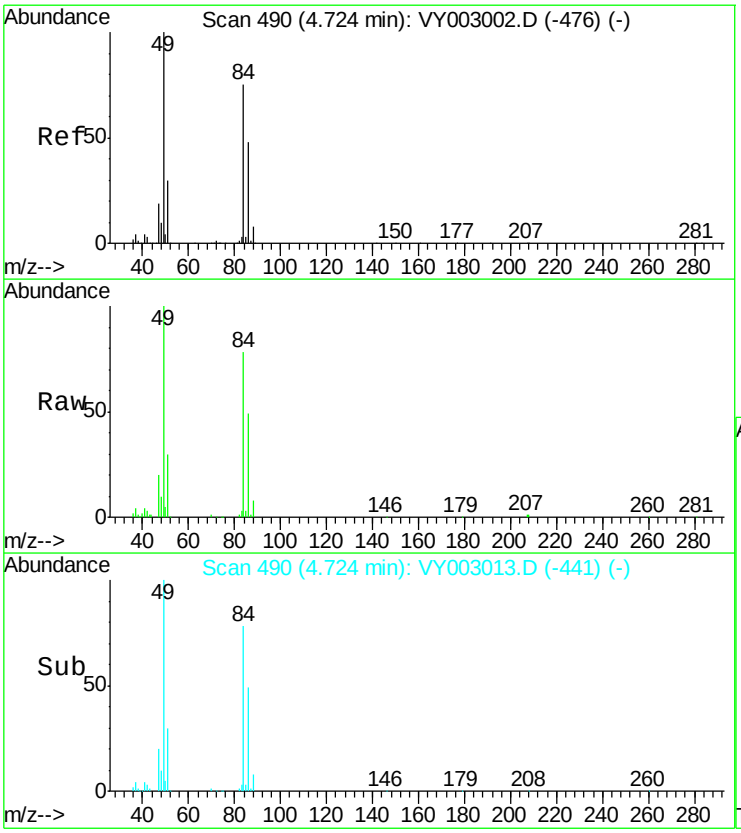

#17
Carbon Disulfide
Concen: 3.153 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion: 76 Resp: 31213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.4 | 7.0 | 10.6 |

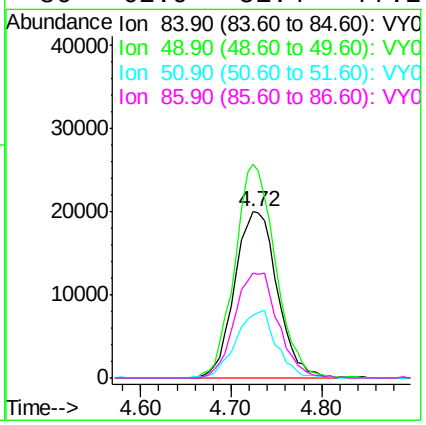


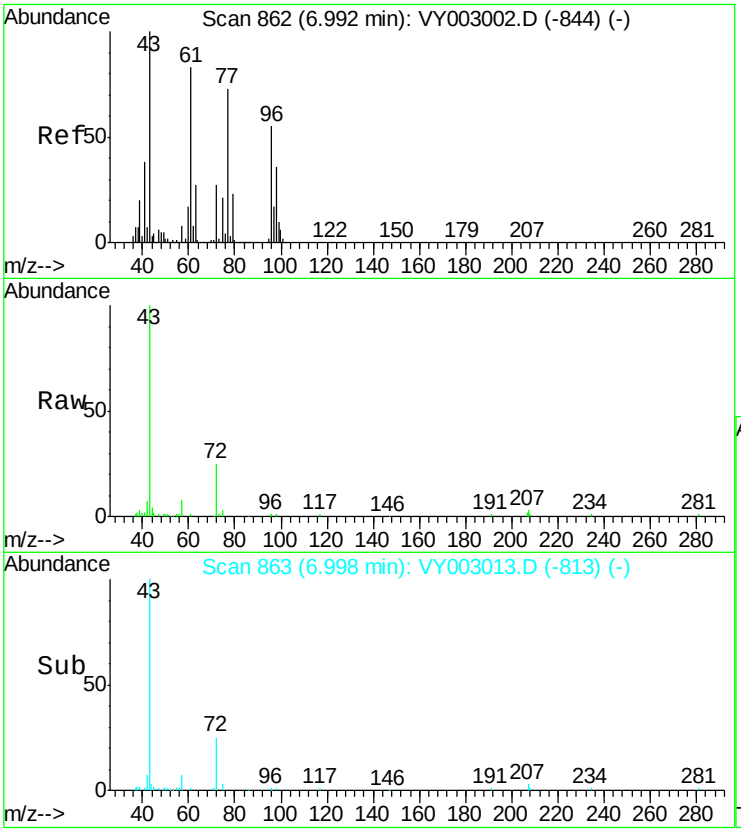




#20
Methylene Chloride
Concen: 12.135 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 84 Resp: 65021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.8 | 106.8 | 160.2 |
| 51 | 38.1 | 32.0 | 48.0 |
| 86 | 62.9 | 51.4 | 77.2 |



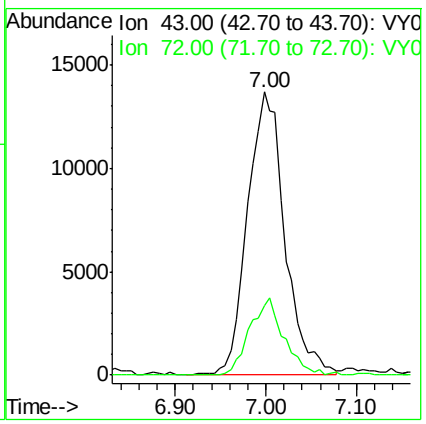


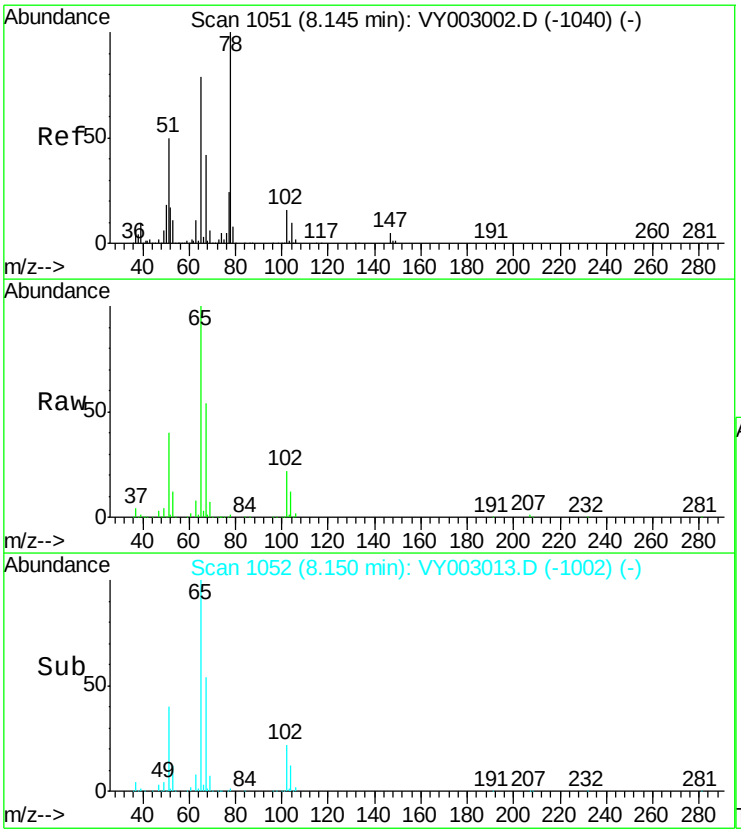

#25
2-Butanone
Concen: 29.275 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion: 43 Resp: 38911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 21.4 | 32.0 |

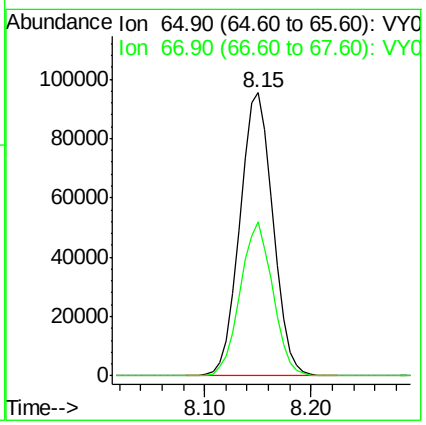


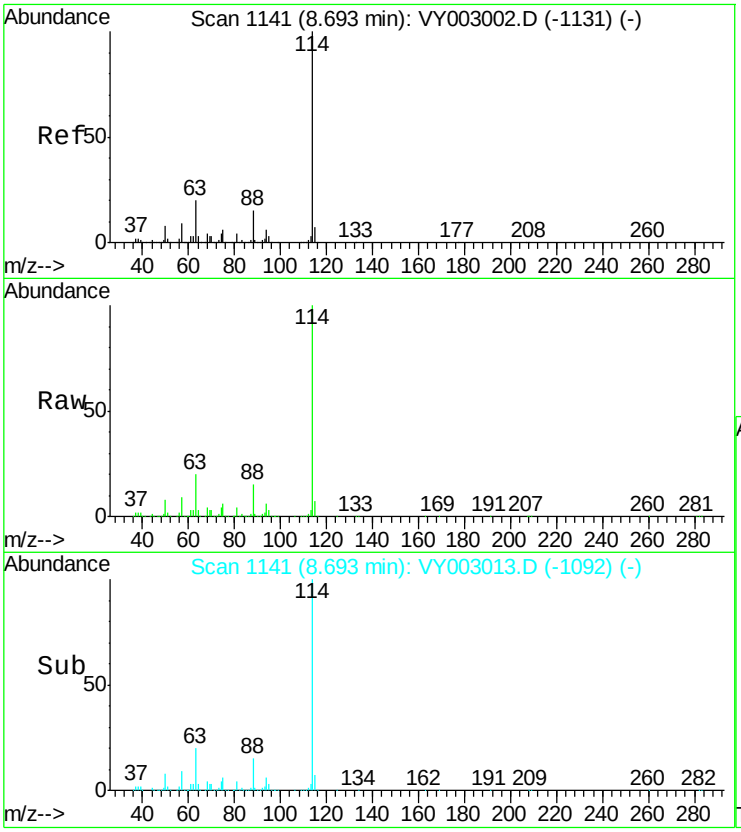




#33
1,2-Dichloroethane-d4
Concen: 58.779 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 65 Resp: 208533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.4 | 0.0 | 105.6 |



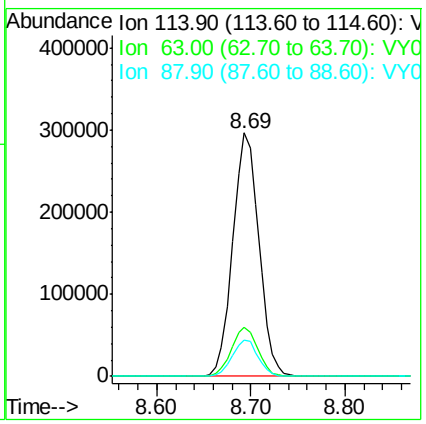


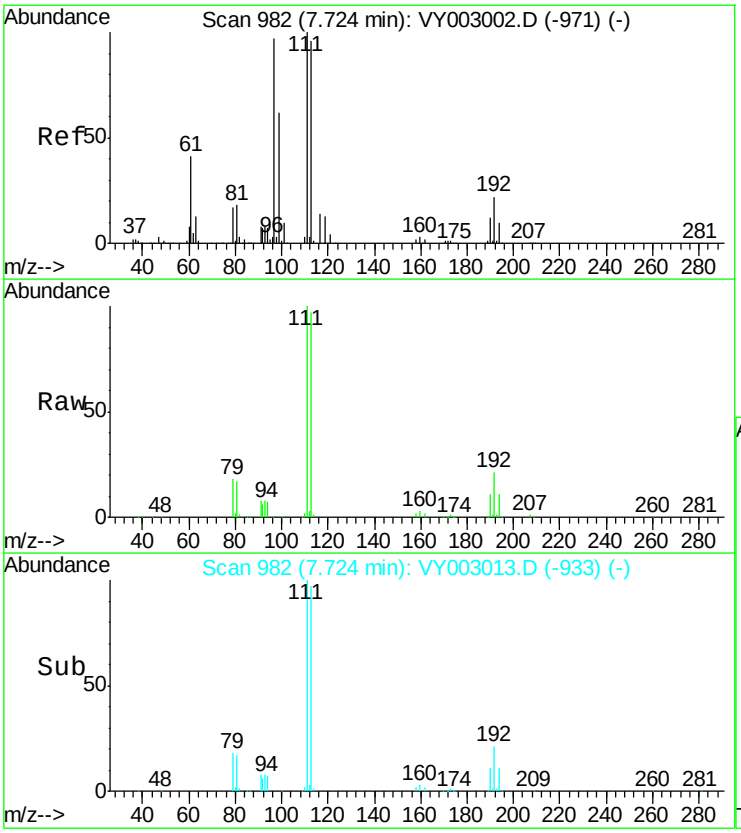

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion:114 Resp: 572017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 40.6 |
| 88 | 15.0 | 0.0 | 30.0 |

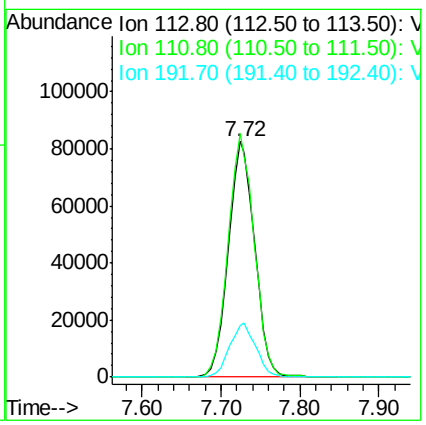


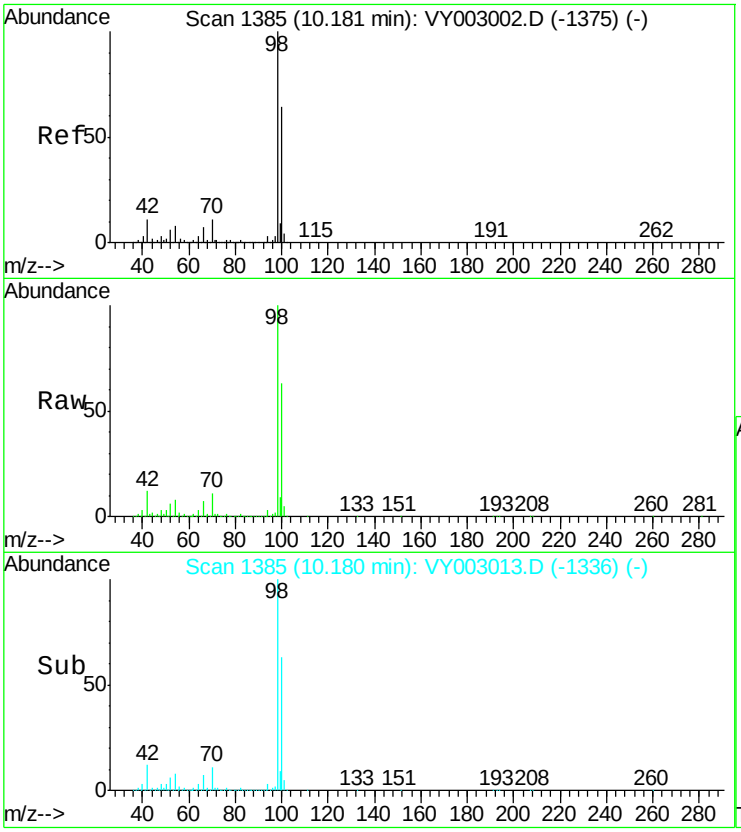




#35
Dibromofluoromethane
Concen: 53.602 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion:113 Resp: 191270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.6 | 123.8 |
| 192 | 22.8 | 18.1 | 27.1 |



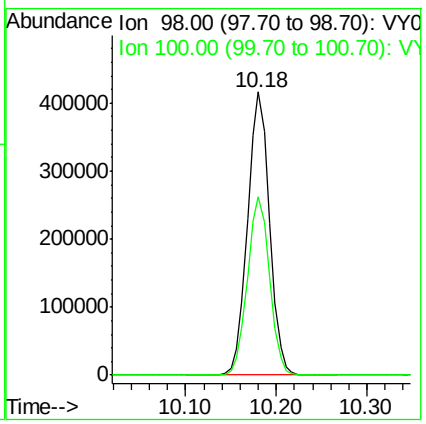


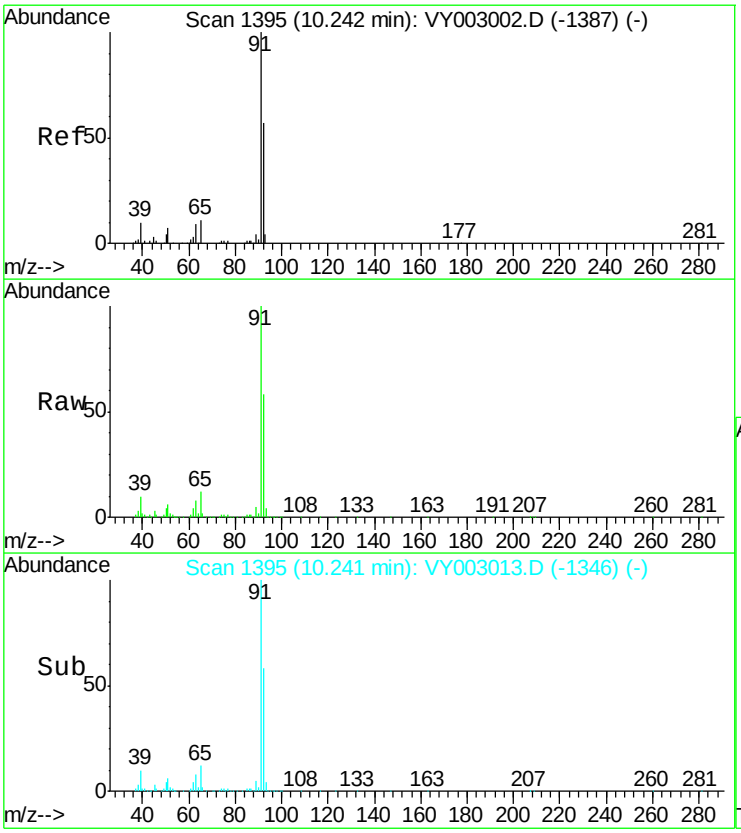

#50
Toluene-d8
Concen: 52.368 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion: 98 Resp: 696166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.5 | 51.1 | 76.7 |

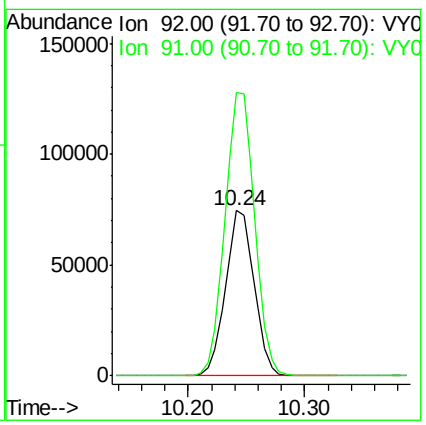


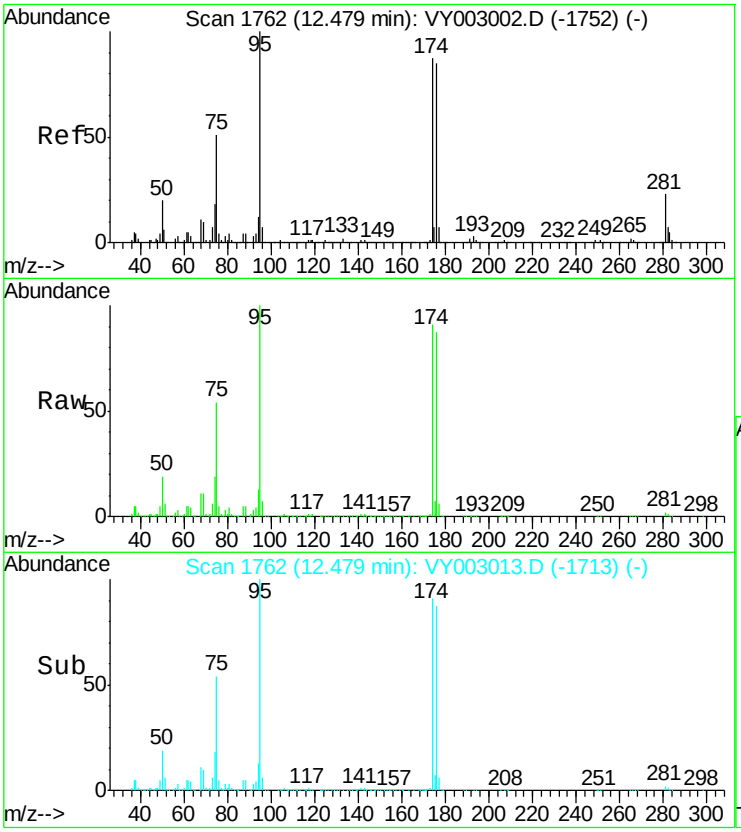




#52
Toluene
Concen: 13.465 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 92 Resp: 127865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 176.6 | 139.6 | 209.4 |



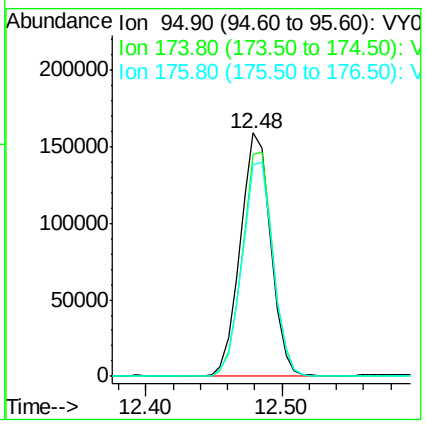


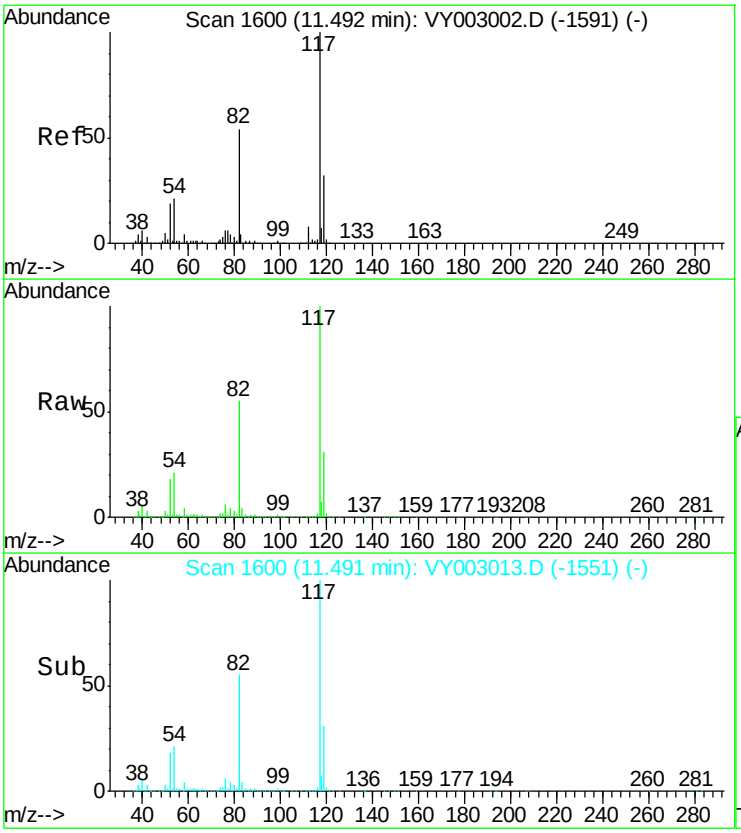

#62
4-Bromofluorobenzene
Concen: 52.964 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion: 95 Resp: 247840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.1 | 0.0 | 184.8 |
| 176 | 90.0 | 0.0 | 183.0 |

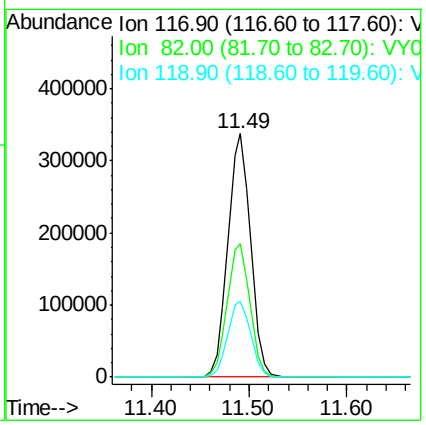


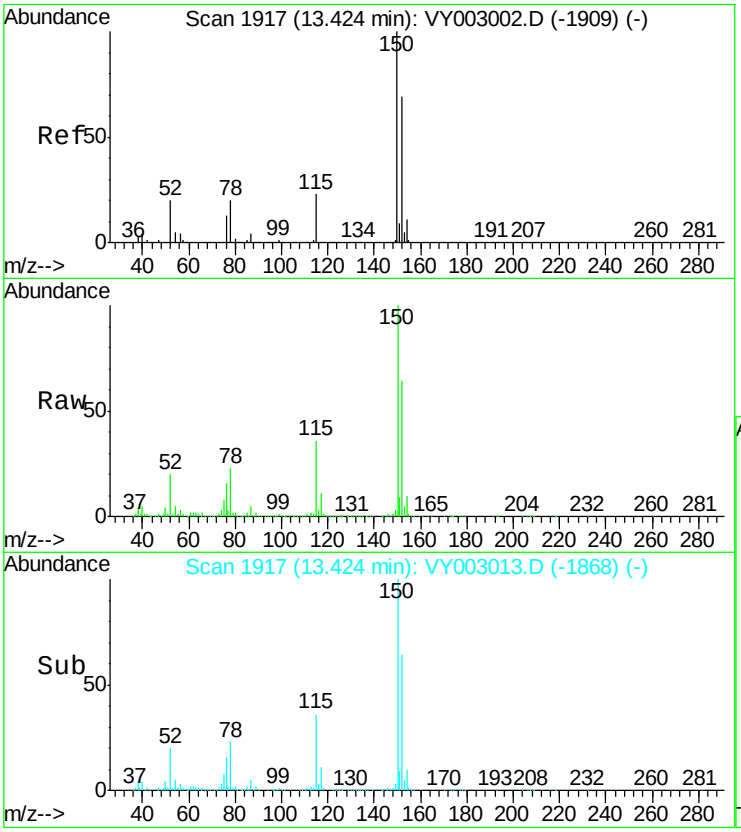




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion:117 Resp: 542771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 43.0 | 64.6 |
| 119 | 31.0 | 25.8 | 38.8 |



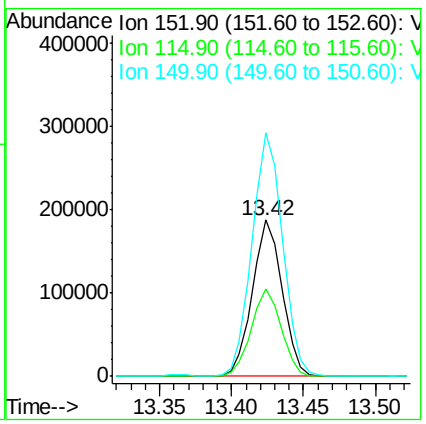


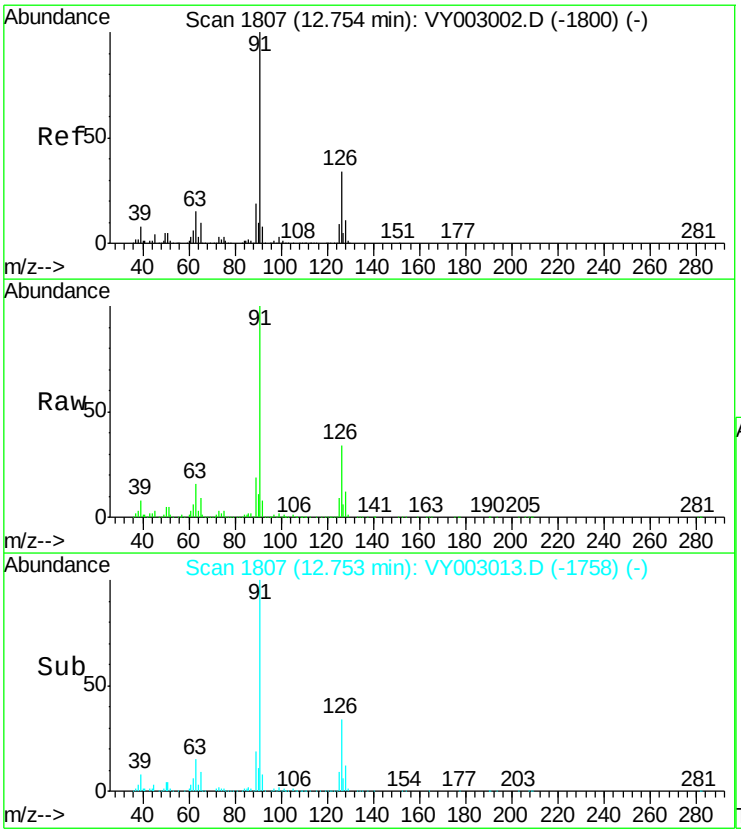

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion:152 Resp: 268231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.8 | 27.3 | 81.9 |
| 150 | 159.8 | 0.0 | 343.4 |

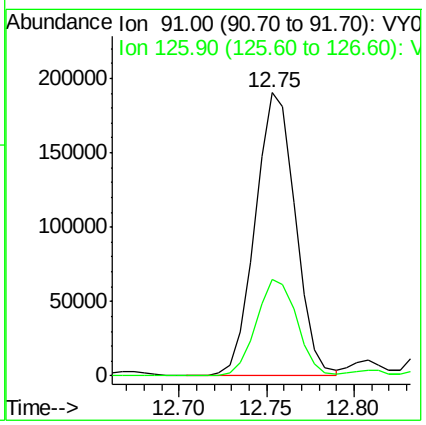


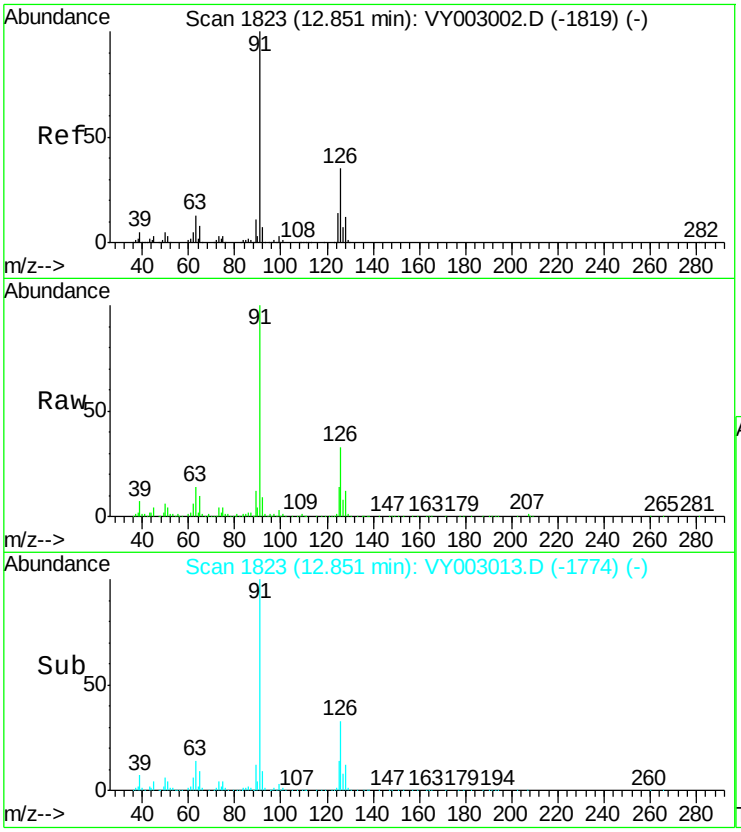




#79
2-Chlorotoluene
Concen: 25.780 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion: 91 Resp: 303800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.5 | 17.1 | 51.3 |



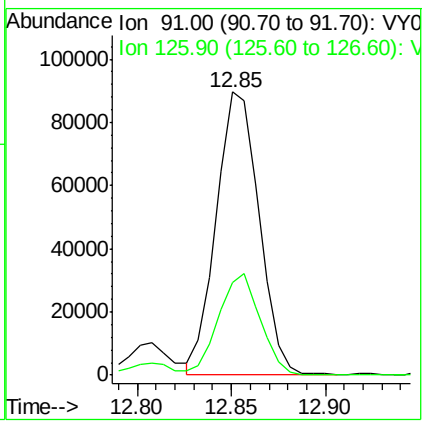


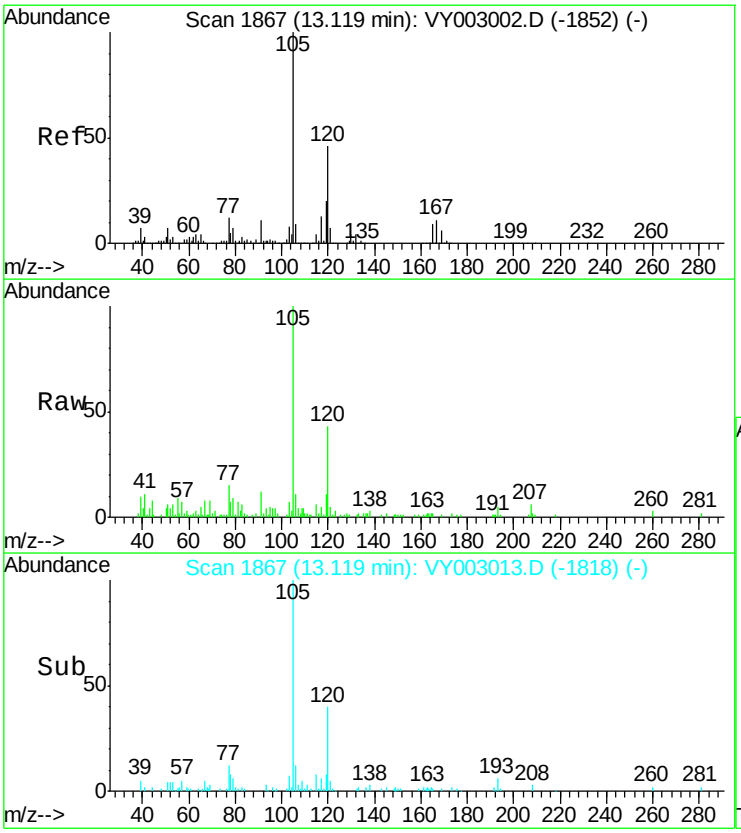

#82
4-Chlorotoluene
Concen: 11.500 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion: 91 Resp: 141100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.1 | 17.4 | 52.3 |

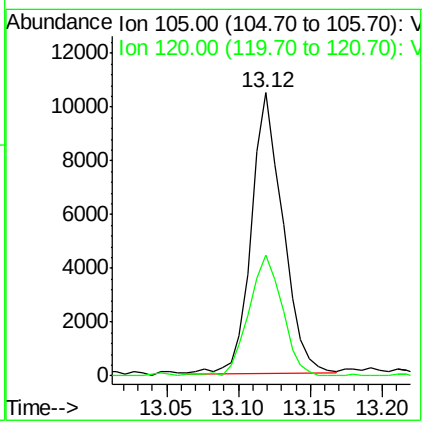


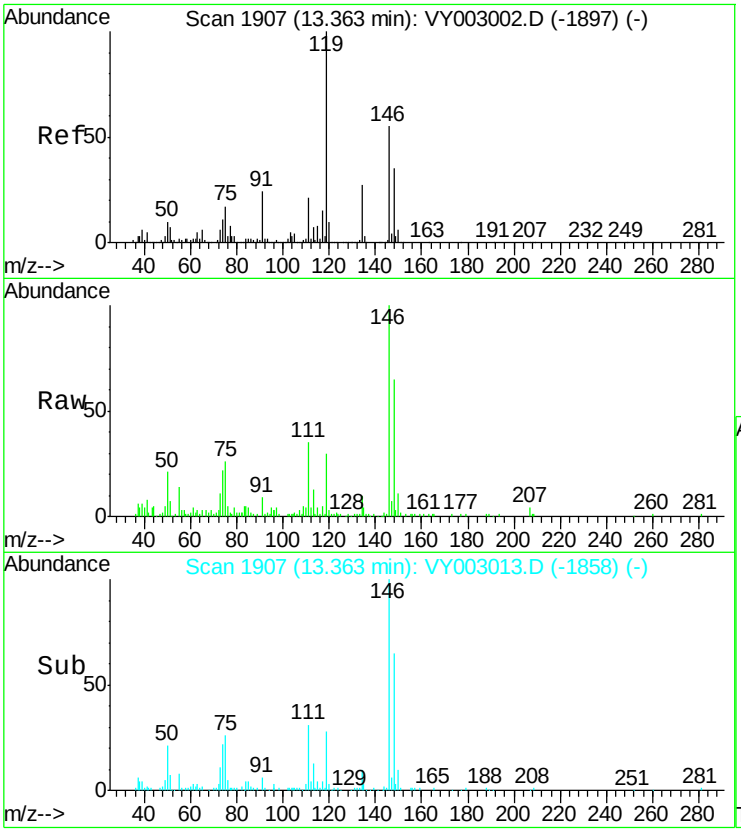




#84
1,2,4-Trimethylbenzene
Concen: 1.062 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion:105 Resp: 15758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 22.6 | 67.8 |



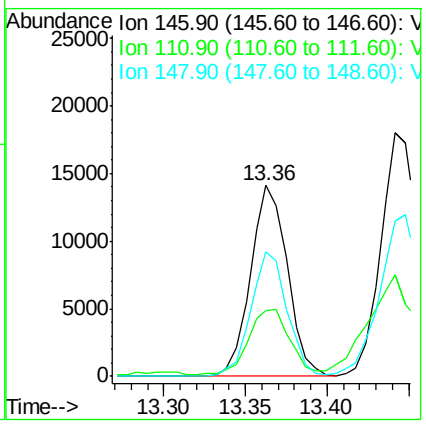


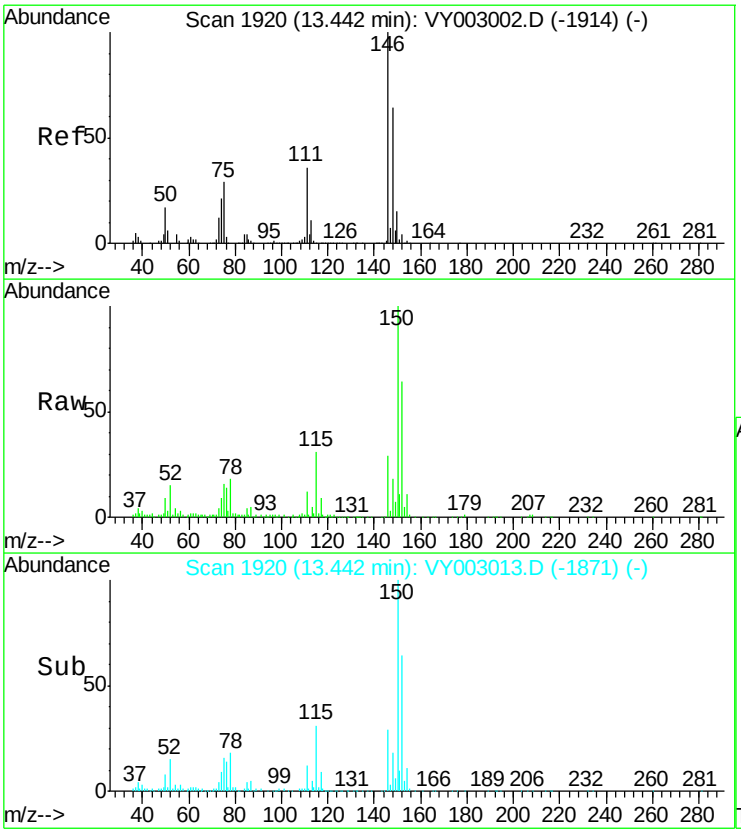

#87
1,3-Dichlorobenzene
Concen: 2.637 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion:146 Resp: 22163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.8 | 18.8 | 56.3 |
| 148 | 64.2 | 31.8 | 95.3 |

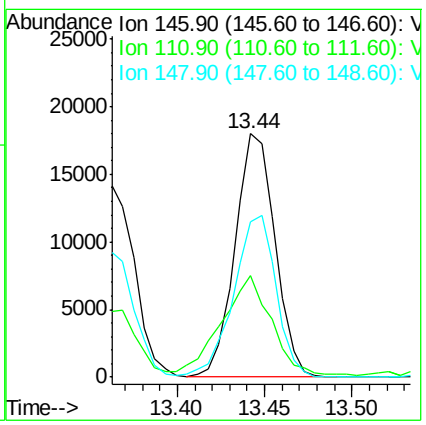


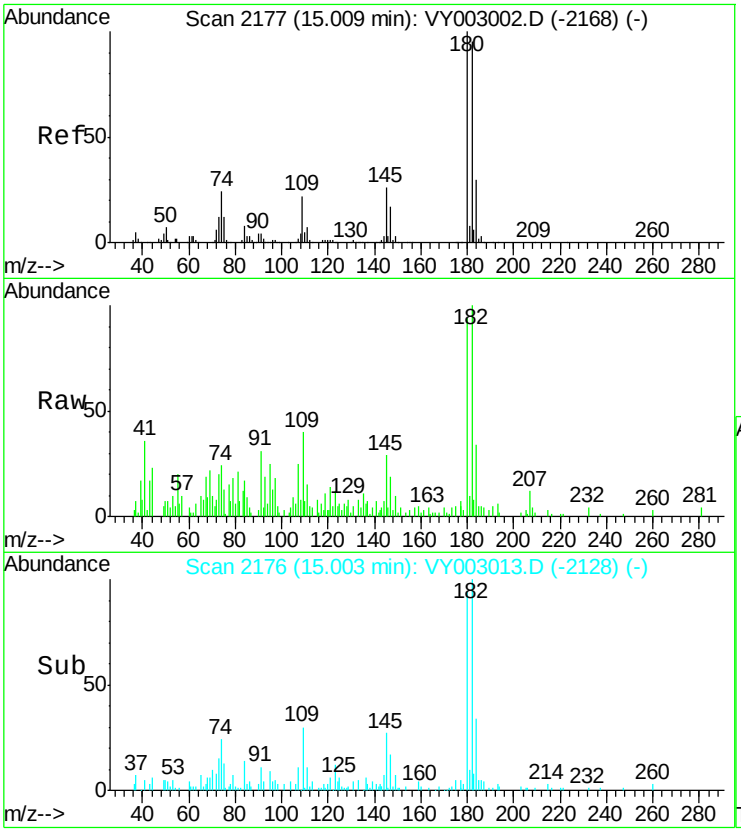




#88
1,4-Dichlorobenzene
Concen: 3.457 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

Tgt Ion:146 Resp: 28643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.9 | 18.4 | 55.4 |
| 148 | 70.3 | 32.3 | 96.9 |






#93
1,2,4-Trichlorobenzene
Concen: 1.374 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VY003013.D
Acq: 29 Jun 2020 17:54

**Instrument :**
MSVOA_Y
**ClientSampleId :**
EPEC-POLYMERS-01

Tgt Ion:180 Resp: 7696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 48.1 | 144.3 |
| 145 | 24.9 | 13.9 | 41.6 |