Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010419\
Data File : VN053278.D
Acq On : 4 Jan 2019 9:57
Operator : MD\SY
Sample : K1038-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** SPDES-1

Quant Time: Jan 04 10:21:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 7.20 | 128 | 136965 | 30.00 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 8.59 | 114 | 760168 | 30.00 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 11.41 | 117 | 665274 | 30.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.03 | 65 | 267902 | 30.79 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 102.63% | | | |
| 60) 4-Bromofluorobenzene | 12.40 | 95 | 277646 | 27.27 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 90.90% | | | |
| 63) Toluene-d8 | 10.09 | 98 | 887541 | 29.61 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 98.70% | | | |

| Target Compounds | Qvalue |
|---|---|

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

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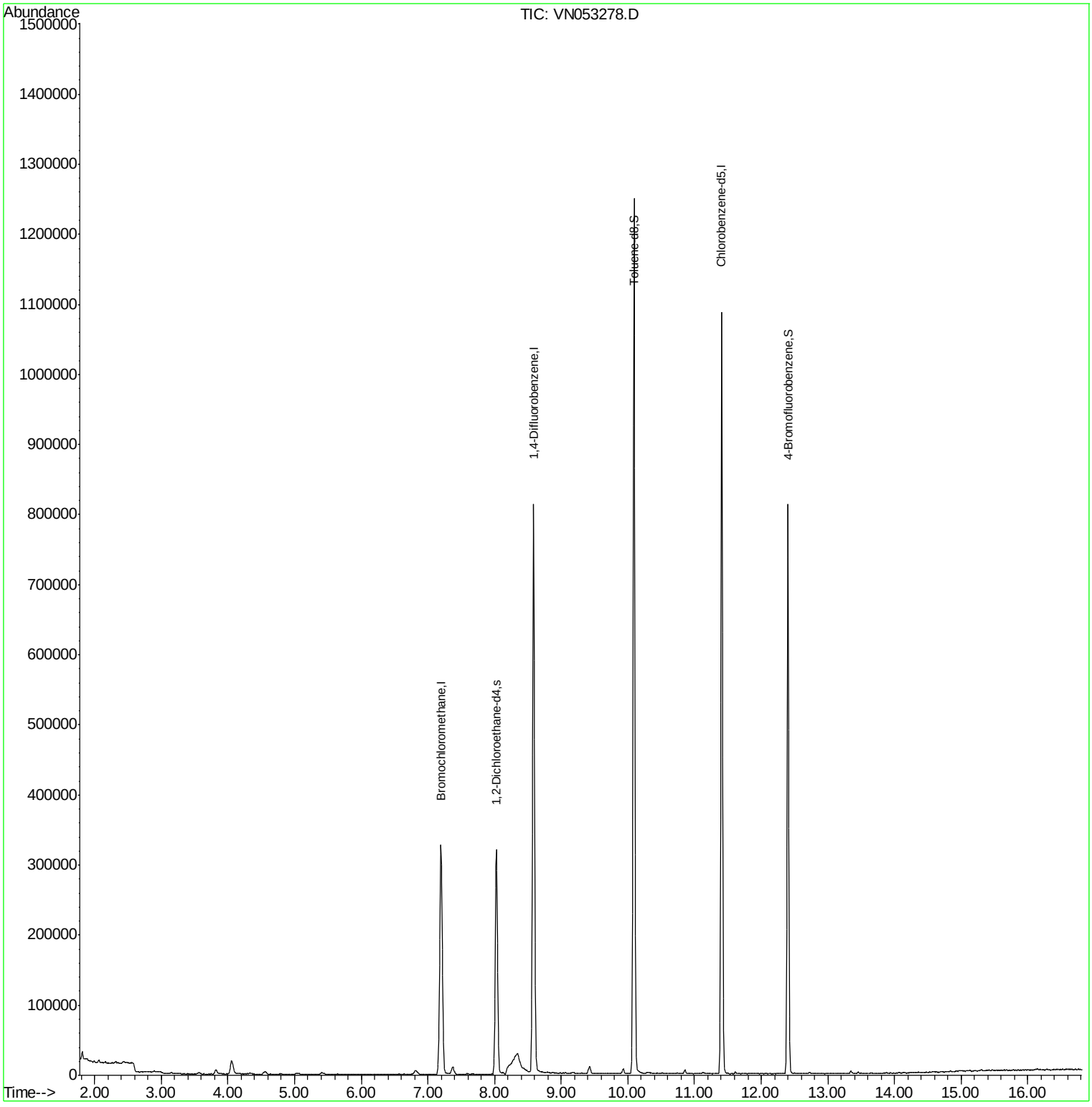
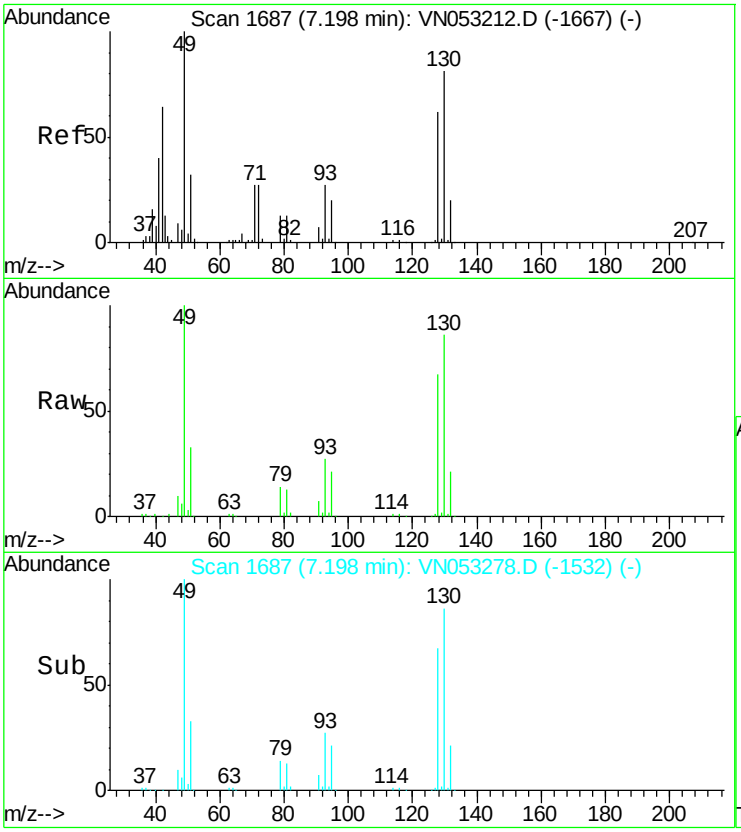


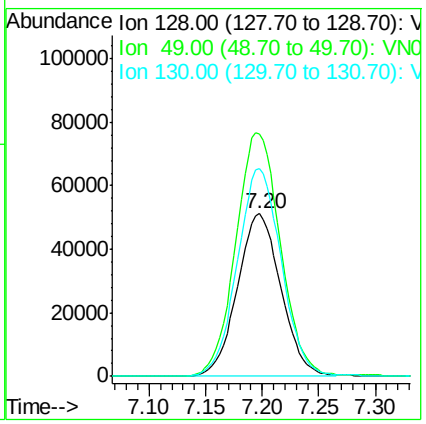


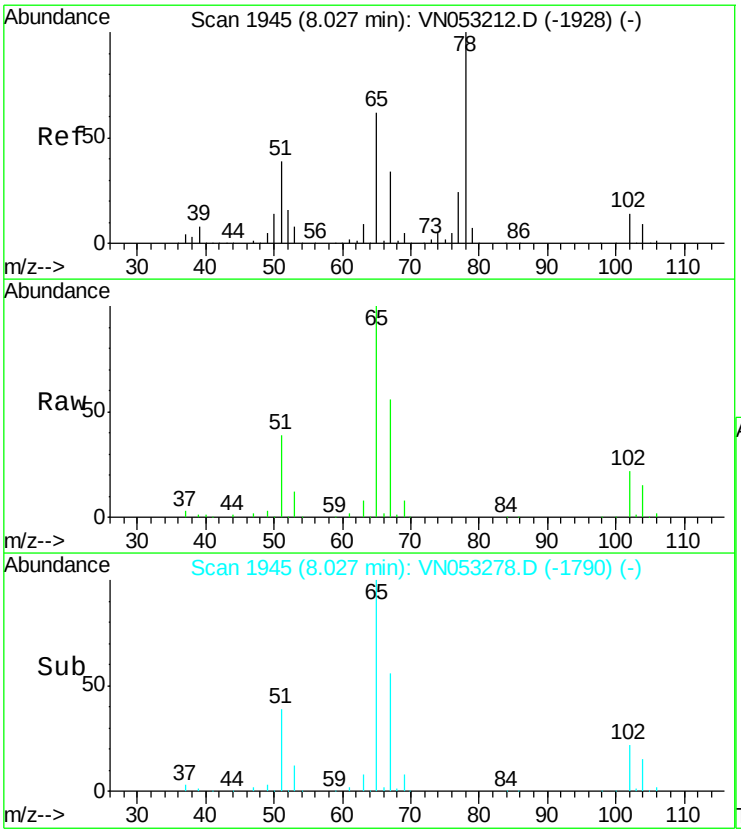

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN053278.D
Acq: 4 Jan 2019 9:57

**Instrument :**
MSVOA_N
**ClientSampleId :**
SPDES-1

Tgt Ion:128 Resp: 136965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 153.3 | 0.0 | 431.8 |
| 130 | 129.1 | 0.0 | 317.0 |

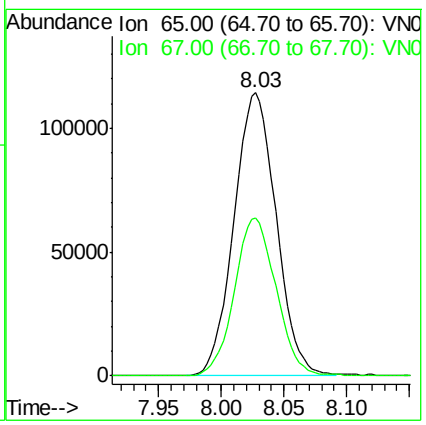


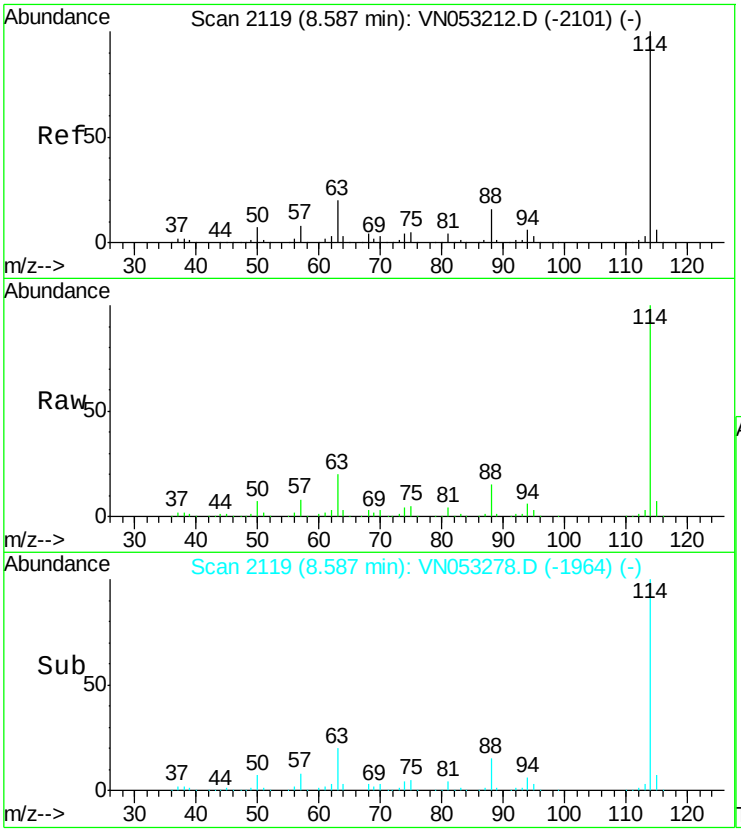




#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053278.D
Acq: 4 Jan 2019 9:57

Tgt Ion: 65 Resp: 267902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.1 | 44.6 | 66.8 |



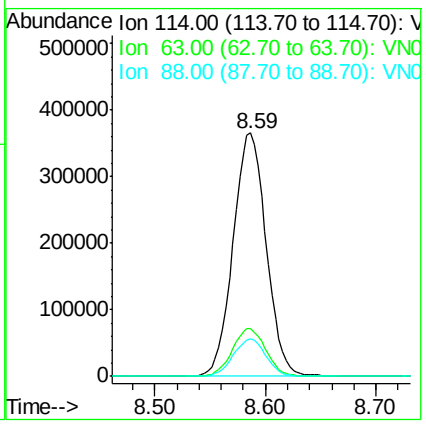


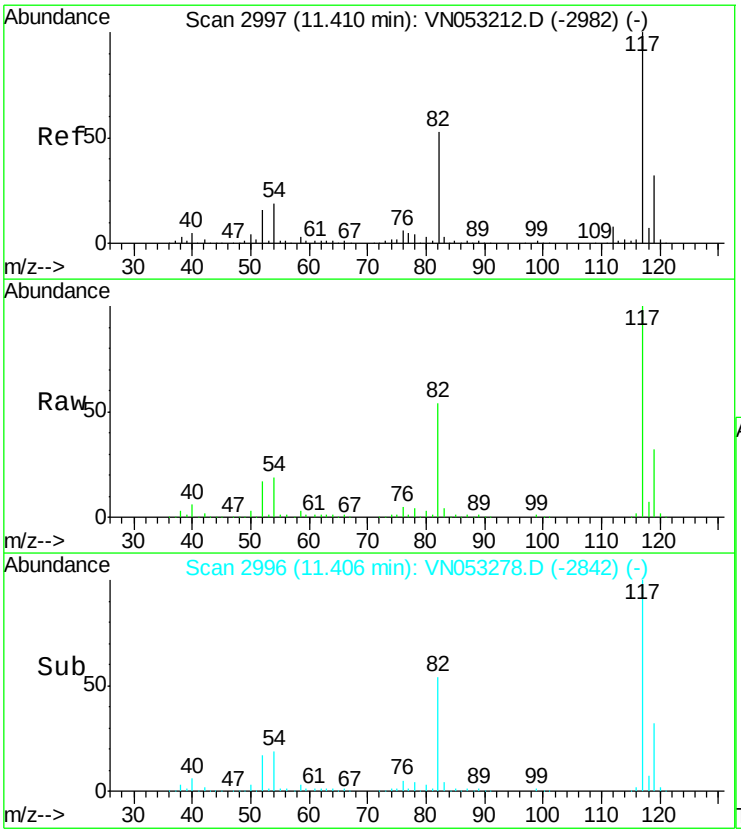

#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053278.D
Acq: 4 Jan 2019 9:57

**Instrument :**
MSVOA_N
**ClientSampleId :**
SPDES-1

Tgt Ion:114 Resp: 760168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 16.9 | 25.3 |
| 88 | 15.3 | 12.8 | 19.2 |

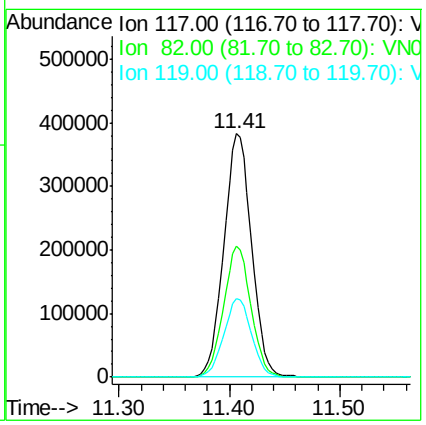


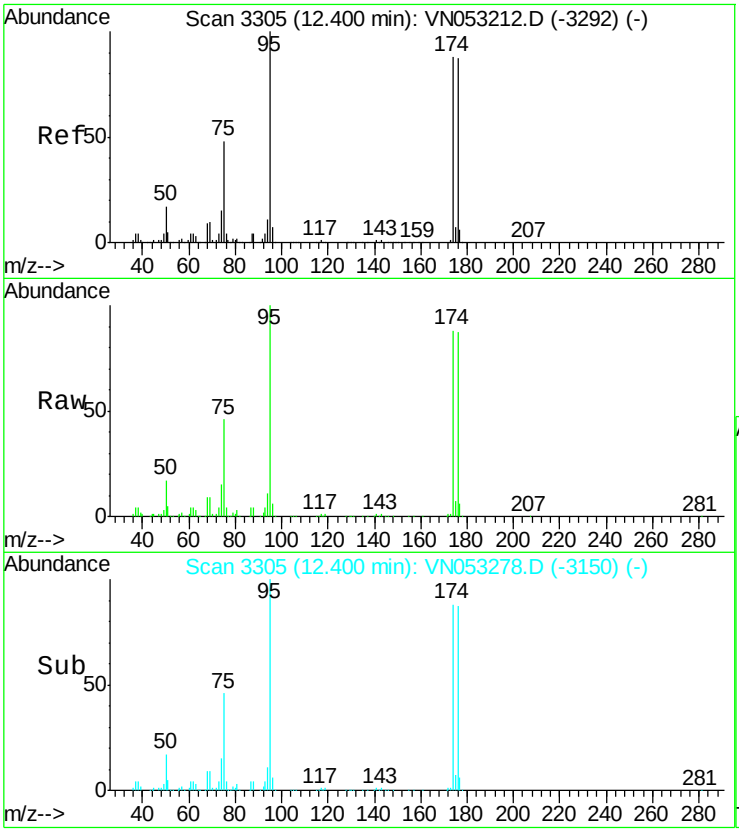




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053278.D
Acq: 4 Jan 2019 9:57

Tgt Ion:117 Resp: 665274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.2 | 44.2 | 66.2 |
| 119 | 32.2 | 25.4 | 38.2 |



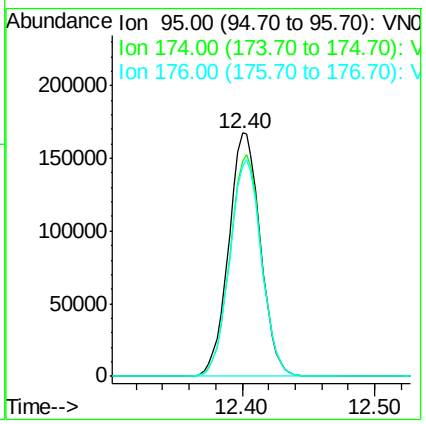


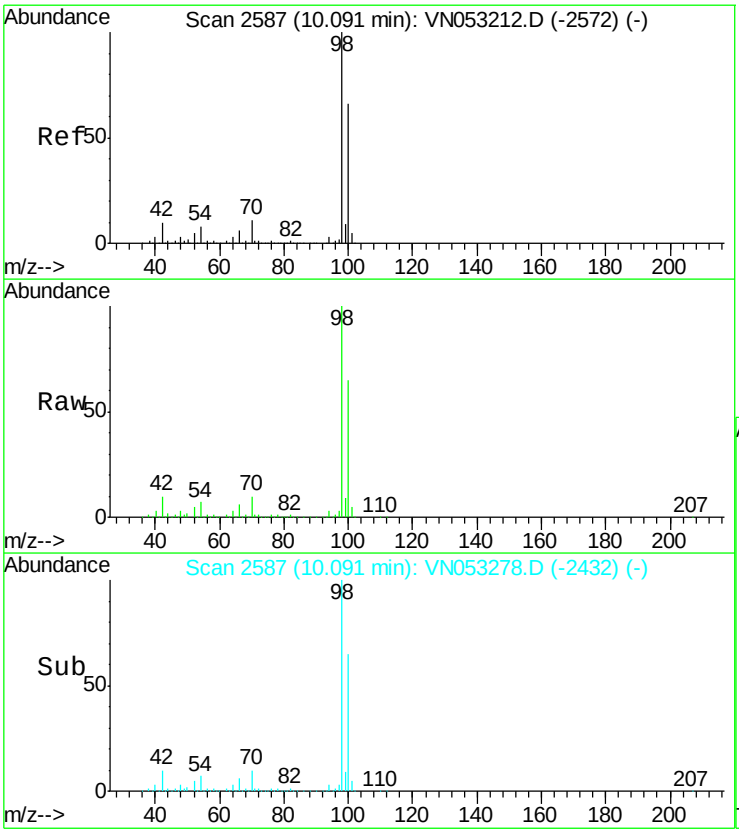

#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053278.D
Acq: 4 Jan 2019 9:57

**Instrument :**
MSVOA_N
**ClientSampleId :**
SPDES-1

Tgt Ion: 95 Resp: 277646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.7 | 67.9 | 101.9 |
| 176 | 88.9 | 66.4 | 99.6 |




#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053278.D
Acq: 4 Jan 2019 9:57

Tgt Ion: 98 Resp: 887541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 51.1 | 76.7 |