Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051680.D
Acq On : 5 Oct 2018 12:24
Operator : MD\SY
Sample : J5260-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

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

Quant Time: Oct 05 16:11:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 7.20 | 128 | 89911 | 30.00 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 8.59 | 114 | 508919 | 30.00 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 11.41 | 117 | 406199 | 30.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.03 | 65 | 185384 | 29.71 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 99.03% | | | |
| 60) 4-Bromofluorobenzene | 12.40 | 95 | 142888 | 23.05 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 76.83% | | | |
| 63) Toluene-d8 | 10.09 | 98 | 594888 | 32.98 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 109.93% | | | |

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

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

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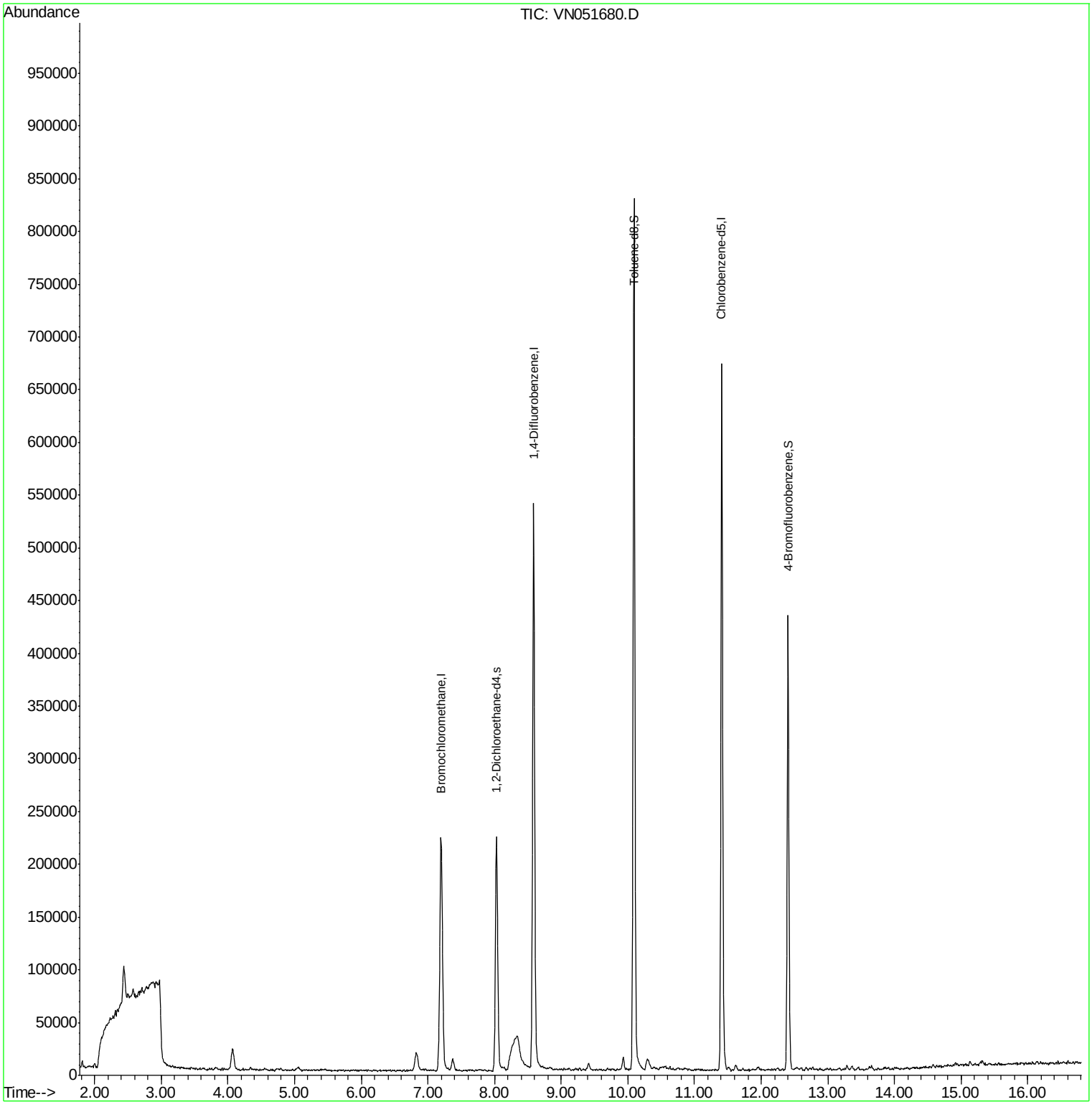
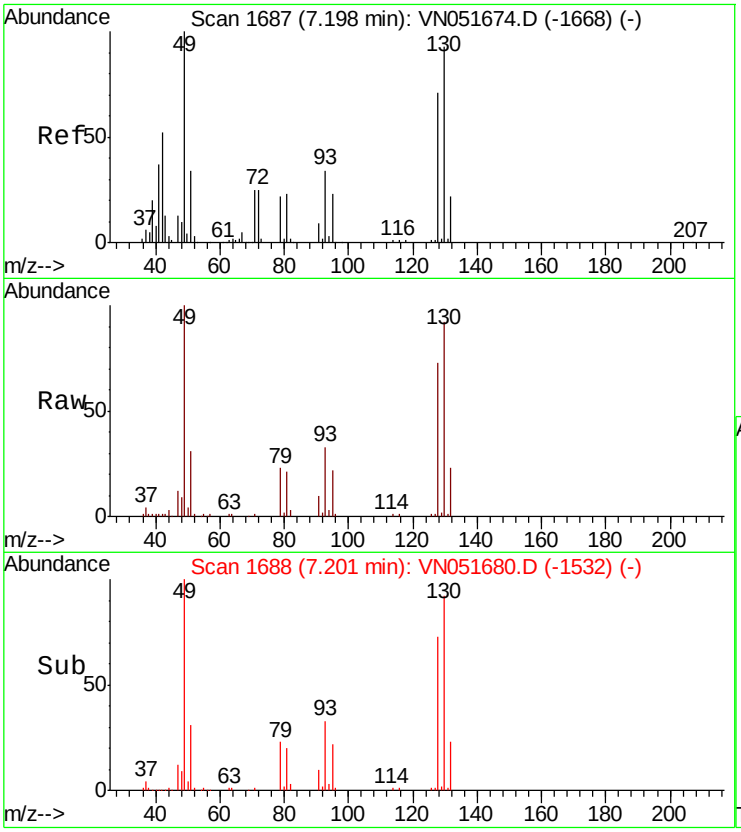


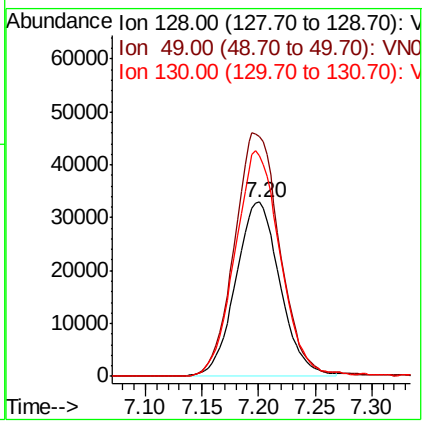


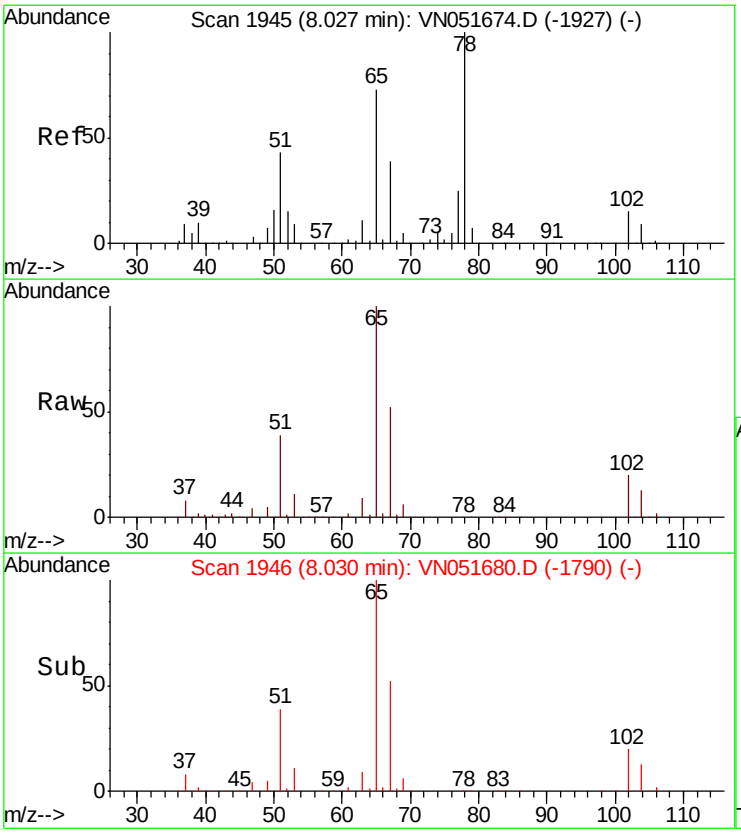

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

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

Tgt Ion:128 Resp: 89911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 143.8 | 0.0 | 403.3 |
| 130 | 131.9 | 0.0 | 326.0 |

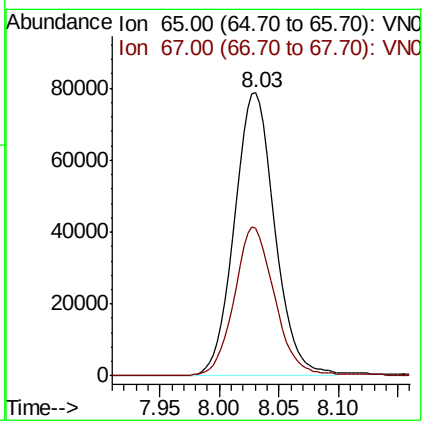


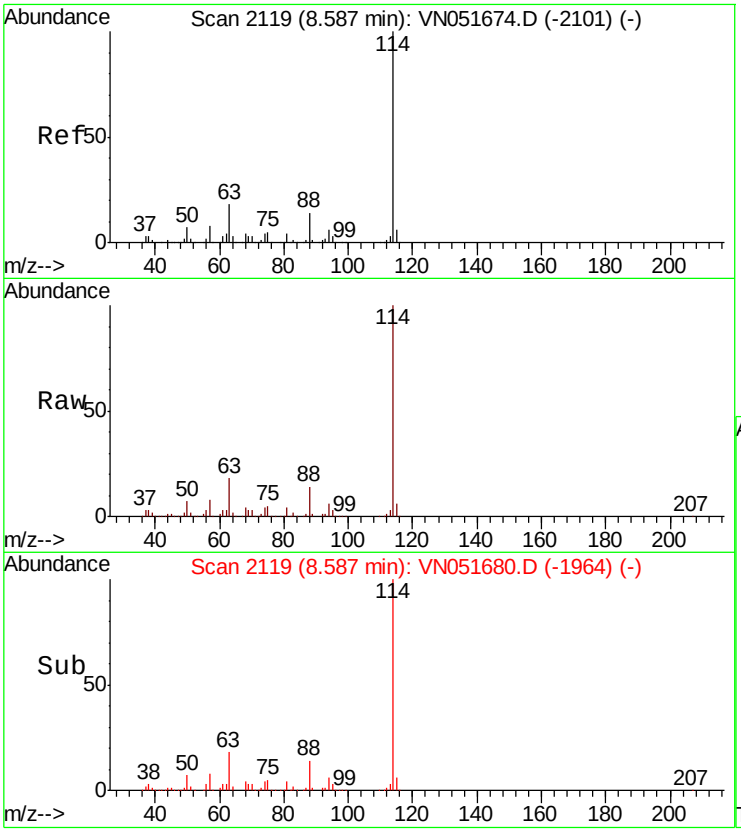




#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 65 Resp: 185384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 41.8 | 62.8 |



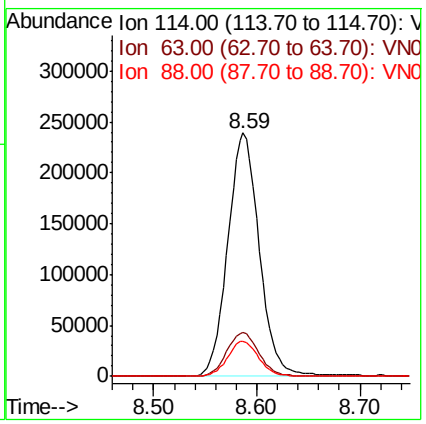


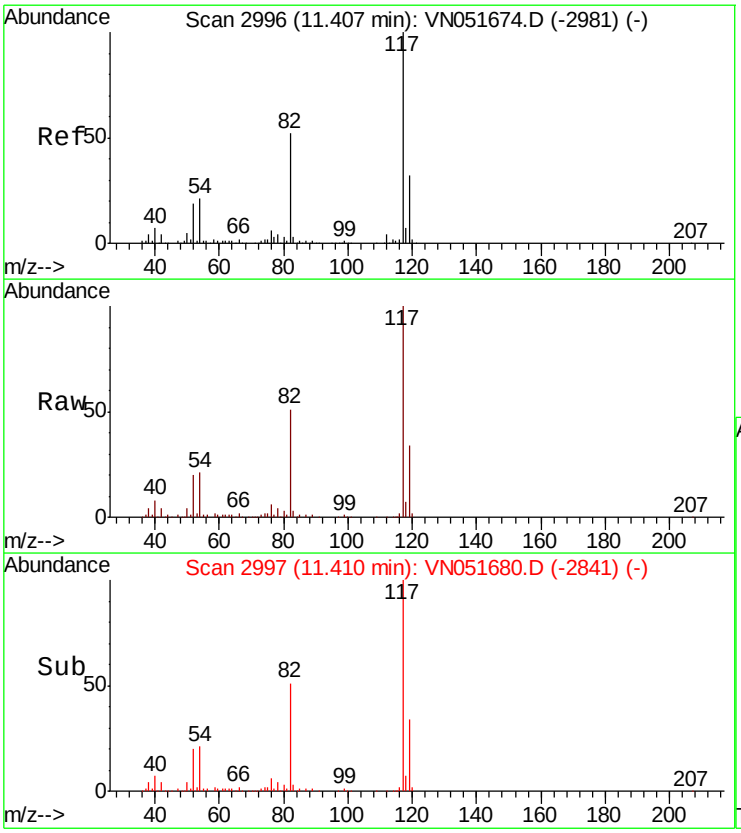

#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

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

Tgt Ion:114 Resp: 508919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.4 | 16.2 | 24.2 |
| 88 | 14.2 | 12.2 | 18.4 |

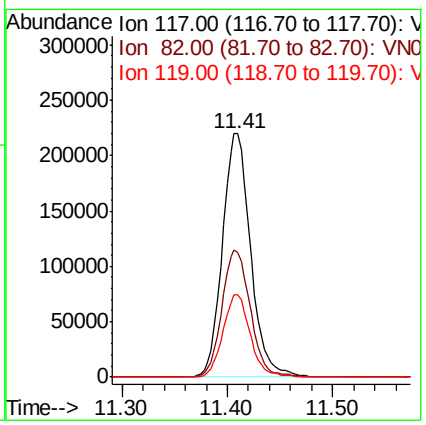


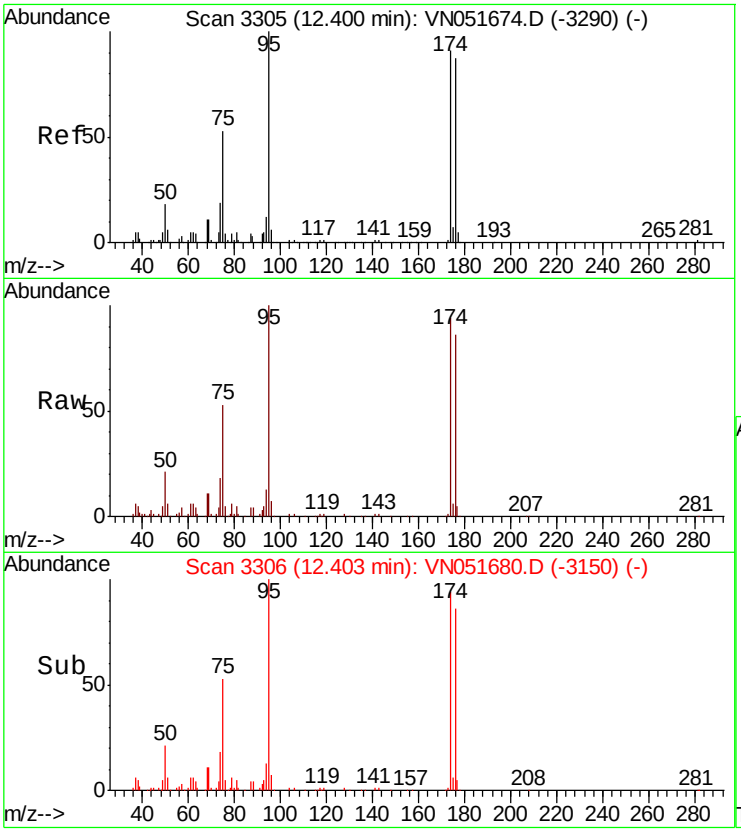




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion:117 Resp: 406199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.6 | 44.1 | 66.1 |
| 119 | 32.9 | 25.8 | 38.8 |



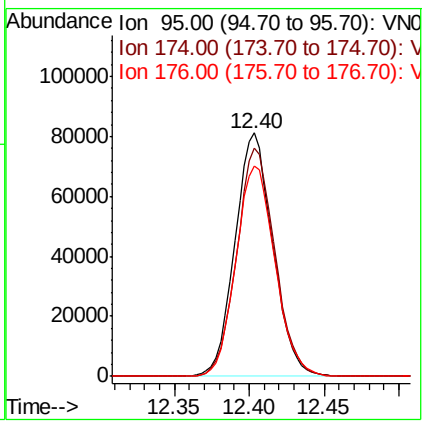


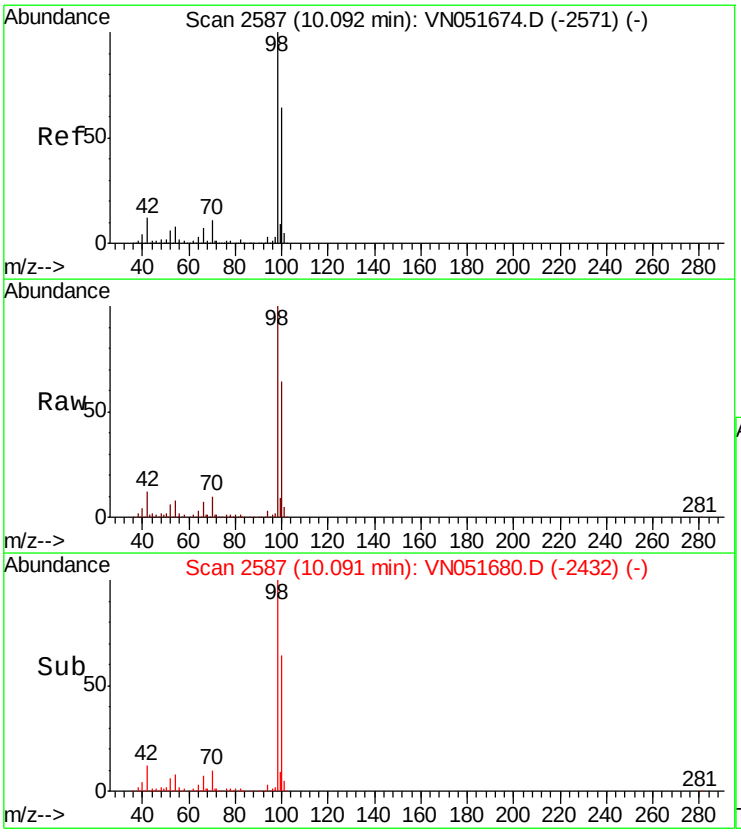

#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

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

Tgt Ion: 95 Resp: 142888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.2 | 73.5 | 110.3 |
| 176 | 89.3 | 70.2 | 105.2 |




#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051680.D
Acq: 5 Oct 2018 12:24

Tgt Ion: 98 Resp: 594888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.5 | 50.8 | 76.2 |