Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** S13-0245

Quant Time: Oct 02 07:09:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.99 | 168 | 122228 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 5.89 | 114 | 199698 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.09 | 117 | 193001 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 100467 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.31 | 65 | 108026 | 43.91 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 87.82% | | | | |
| 35) Dibromofluoromethane | 4.88 | 113 | 78957 | 45.61 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 91.22% | | | | |
| 50) Toluene-d8 | 7.57 | 98 | 344502 | 52.22 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.44% | | | | |
| 62) 4-Bromofluorobenzene | 10.31 | 95 | 113698 | 50.23 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.46% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Cyclohexane | 5.00 | 56 | 1097053 | 302.105 | ug/l | | 99 |
| 39) Methylcyclohexane | 6.42 | 83 | 1635998 | 564.854 | ug/l | | 99 |
| 67) Ethyl Benzene | 9.26 | 91 | 2735 | 0.325 | ug/l | | 96 |
| 73) Isopropylbenzene | 10.17 | 105 | 250493 | 32.777 | ug/l | | 100 |
| 78) n-propylbenzene | 10.59 | 91 | 298163 | 32.973 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.10 | 119 | 15660 | 2.511 | ug/l | | 87 |
| 84) 1,2,4-Trimethylbenzene | 11.15 | 105 | 4112 | 0.640 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.32 | 105 | 126102 | 16.563 | ug/l | | 99 |
| 89) n-Butylbenzene | 11.89 | 91 | 32407 | 6.848 | ug/l | # | 77 |
| 95) Naphthalene | 13.74 | 128 | 170990 | 21.552 | ug/l | | 97 |

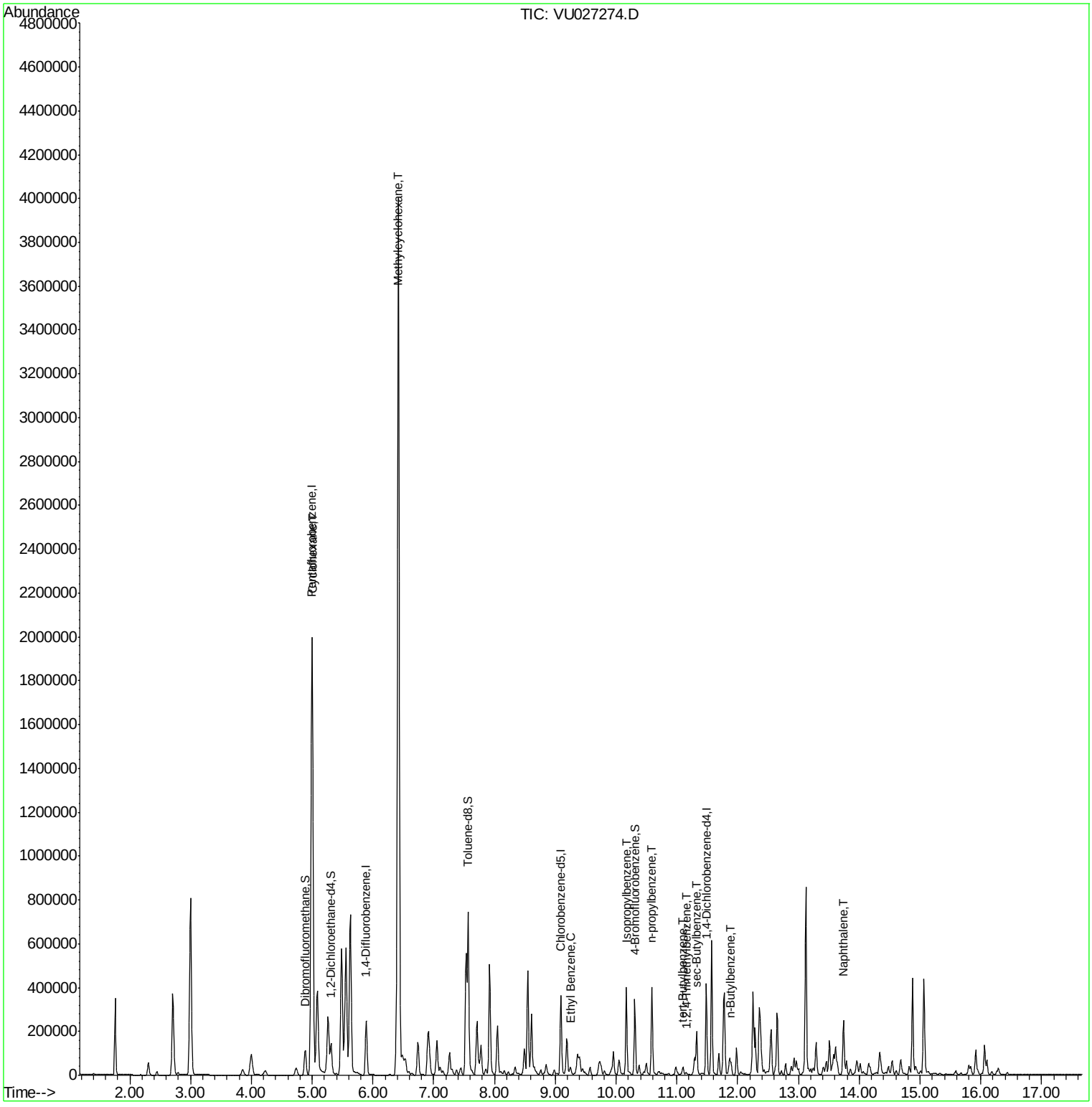
(#) = qualifier out of range (m) = manual integration (+) = signals summed

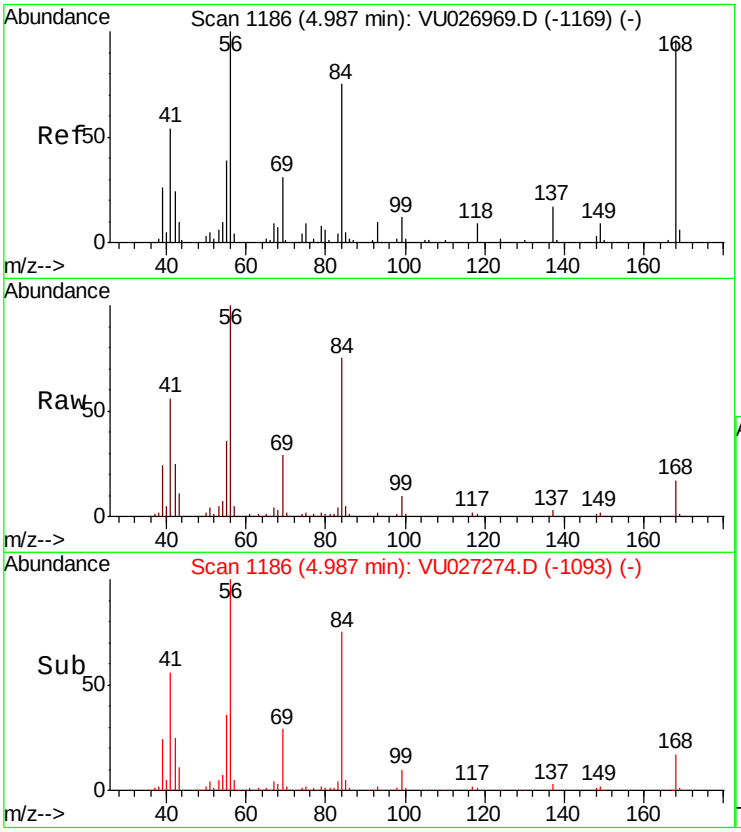
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
Data File : VU027274.D
Acq On : 28 Sep 2018 16:15
Operator : MD/SY
Sample : J5041-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
S13-0245

Quant Time: Oct 02 07:09:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration



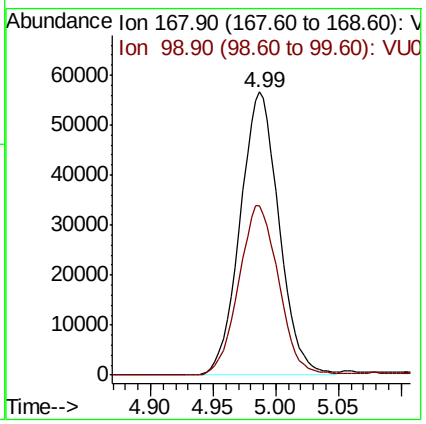


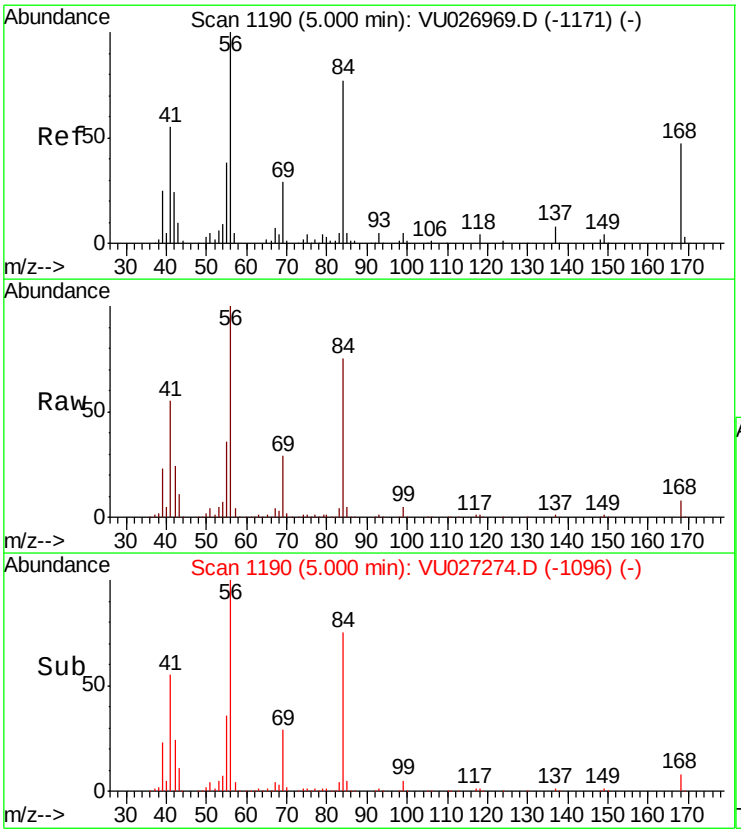

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
S13-0245

Tgt Ion:168 Resp: 122228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.9 | 48.1 | 72.1 |

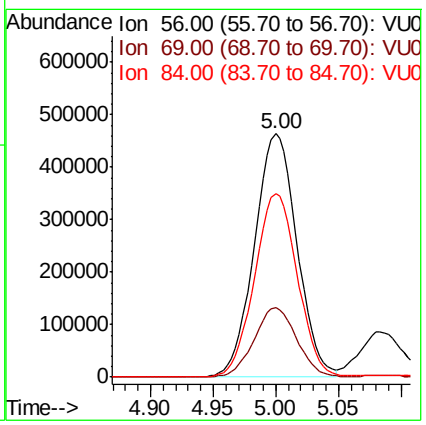


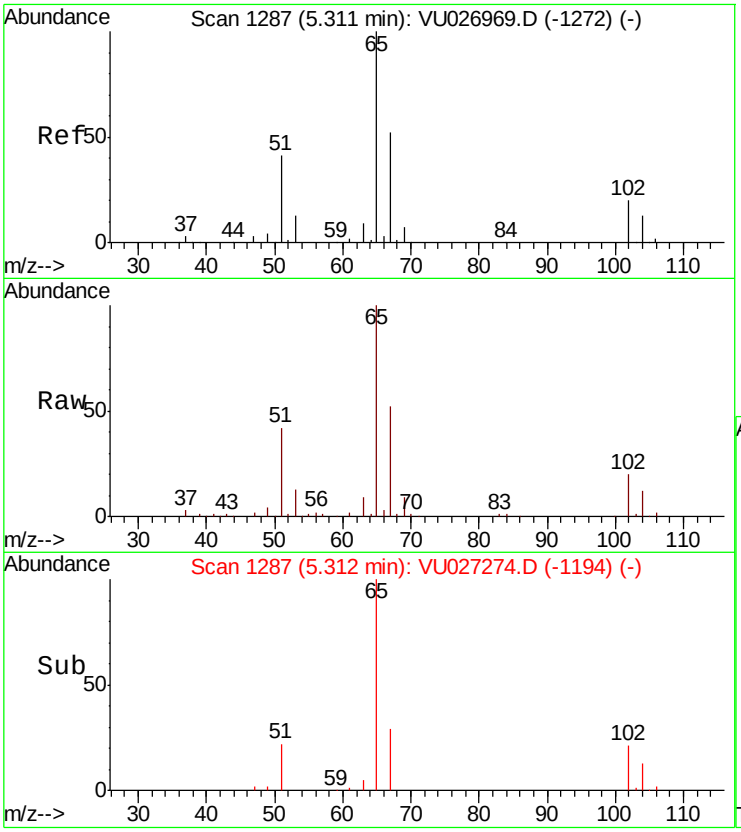




#31
Cyclohexane
Concen: 302.105 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 56 Resp: 1097053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.5 | 23.0 | 34.4 |
| 84 | 75.4 | 61.4 | 92.2 |



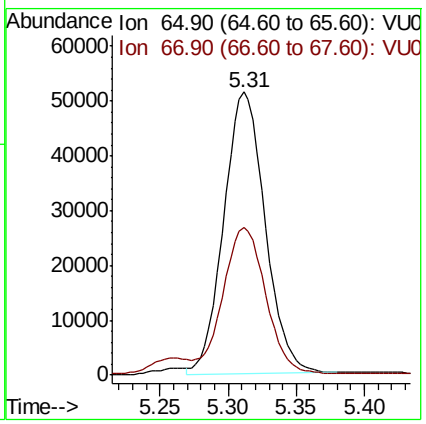


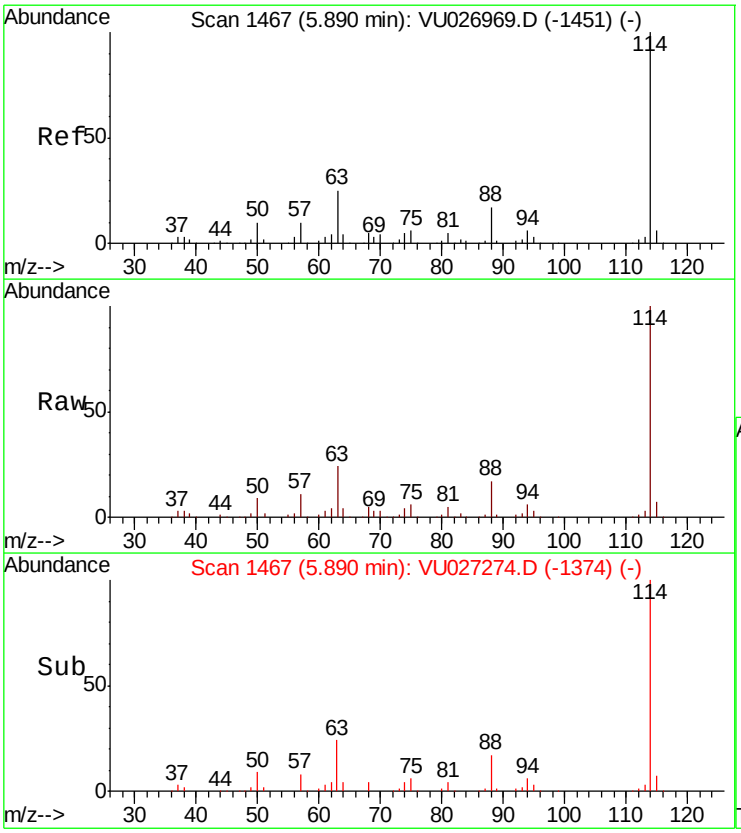

#33
1,2-Dichloroethane-d4
Concen: 43.912 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
S13-0245

Tgt Ion: 65 Resp: 108026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.7 | 0.0 | 105.6 |

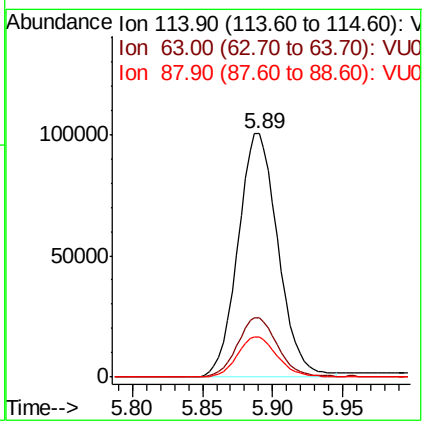


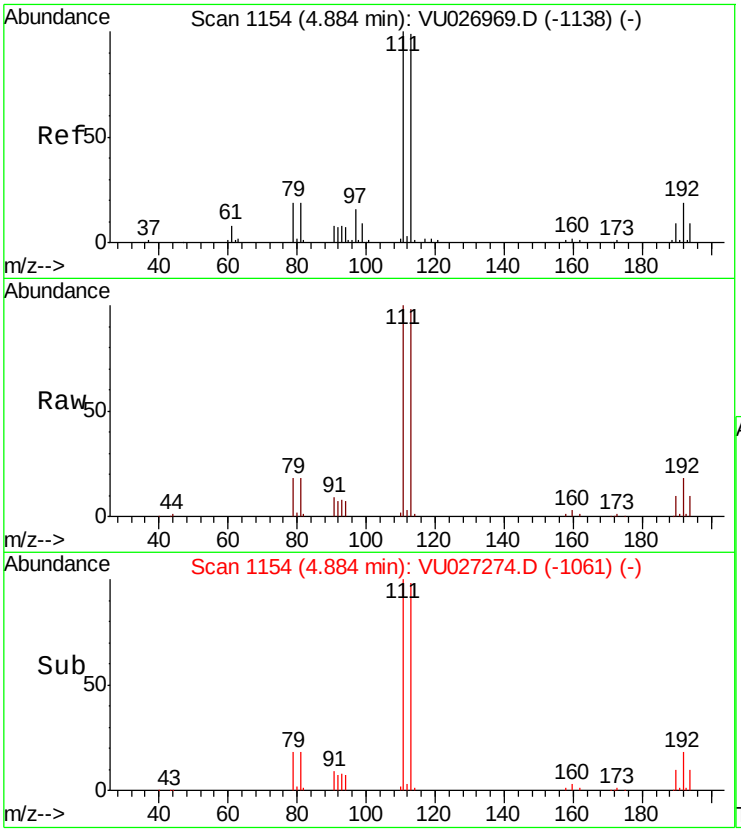




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion:114 Resp: 199698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.4 | 0.0 | 49.2 |
| 88 | 16.6 | 0.0 | 33.8 |



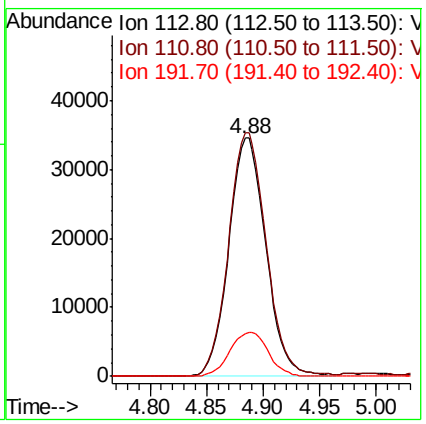


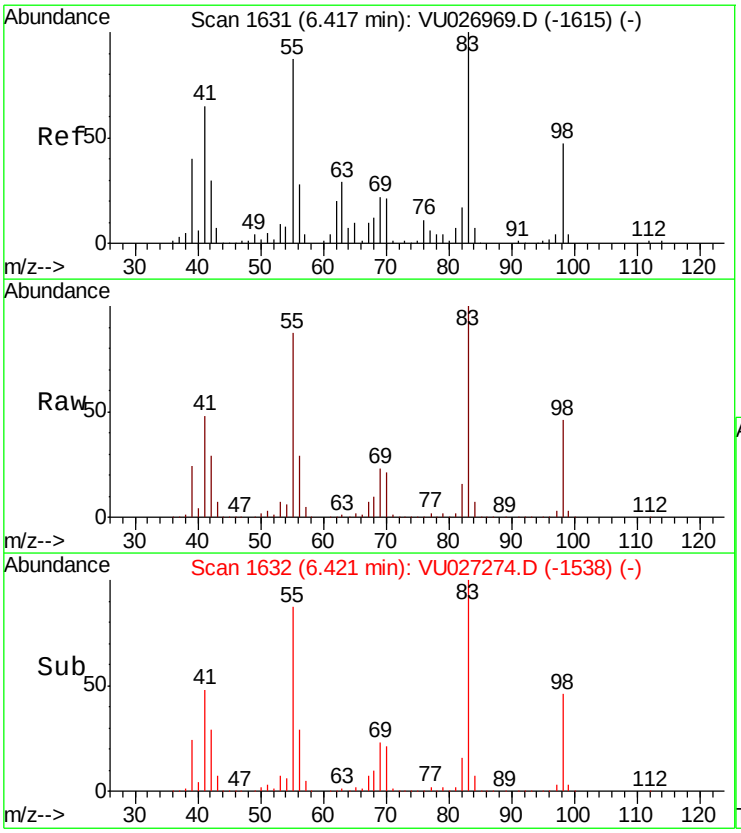

#35
Dibromofluoromethane
Concen: 45.614 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
S13-0245

Tgt Ion:113 Resp: 78957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 82.2 | 123.4 |
| 192 | 19.1 | 15.2 | 22.8 |

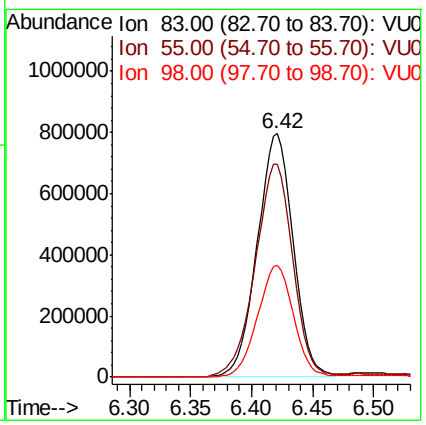


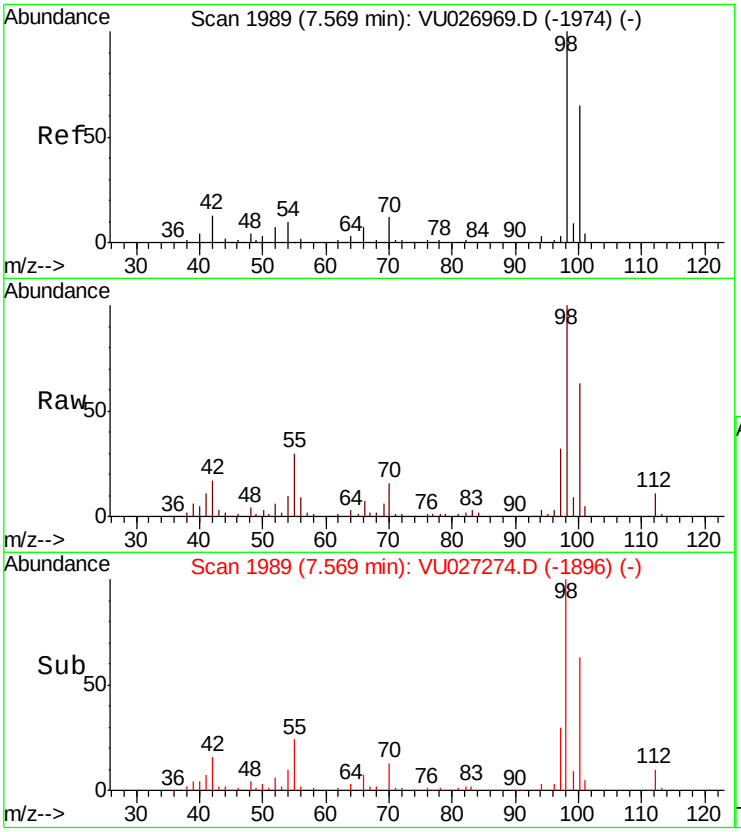




#39
Methylcyclohexane
Concen: 564.854 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 83 Resp: 1635998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 87.4 | 69.9 | 104.9 |
| 98 | 45.7 | 37.5 | 56.3 |



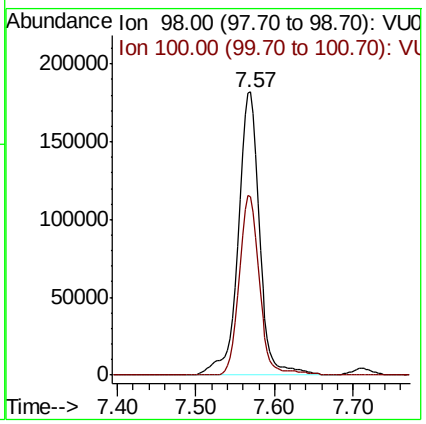


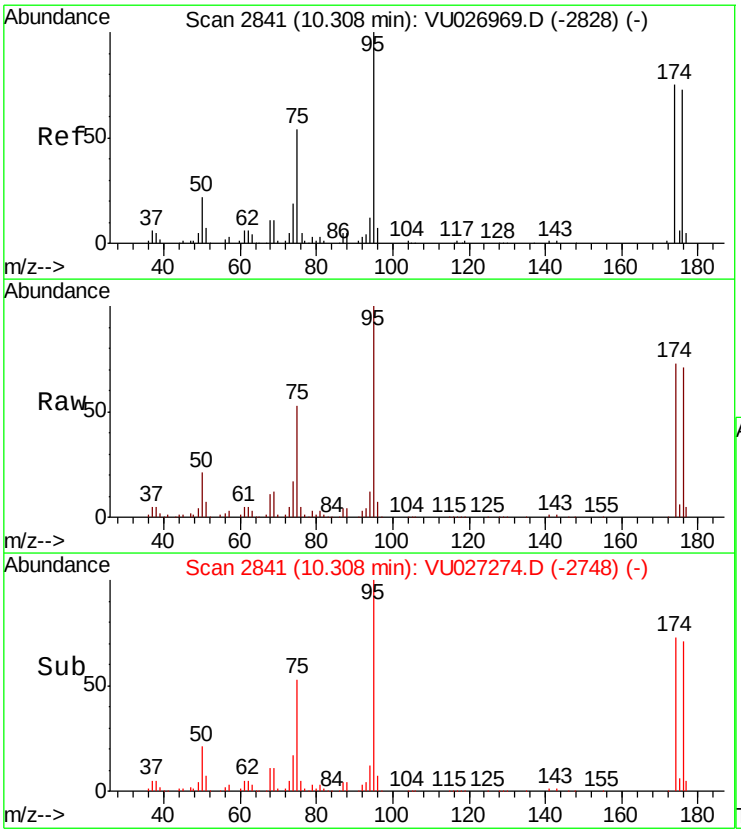

#50
Toluene-d8
Concen: 52.222 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :** MSVOA_U
**ClientSampleId :** S13-0245

Tgt Ion: 98 Resp: 344502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 60.3 | 52.1 | 78.1 |

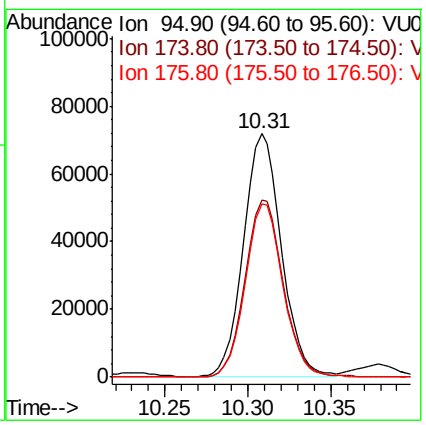


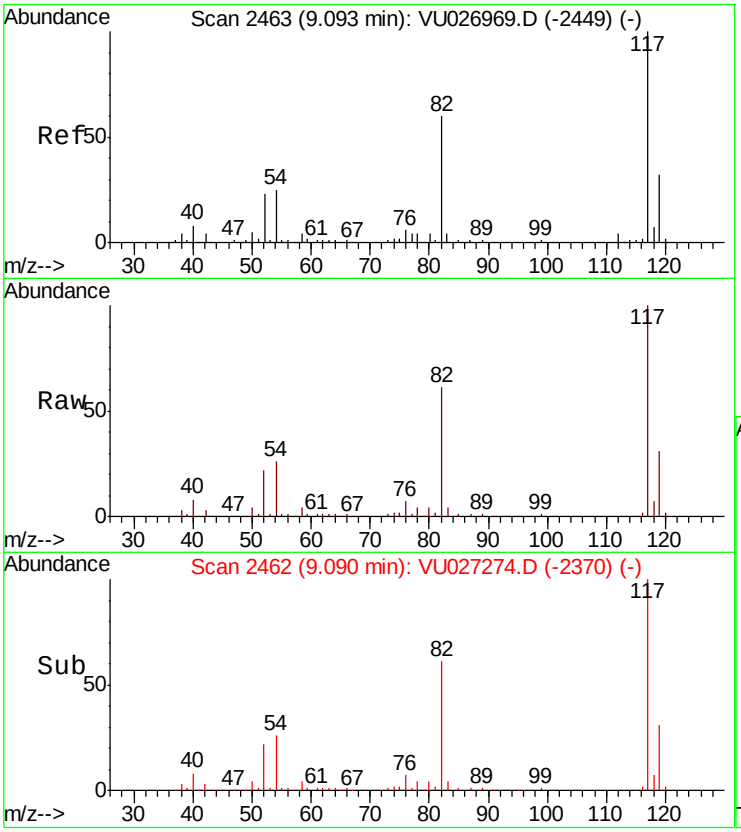




#62
4-Bromofluorobenzene
Concen: 50.229 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 95 Resp: 113698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.9 | 0.0 | 150.2 |
| 176 | 71.2 | 0.0 | 145.2 |



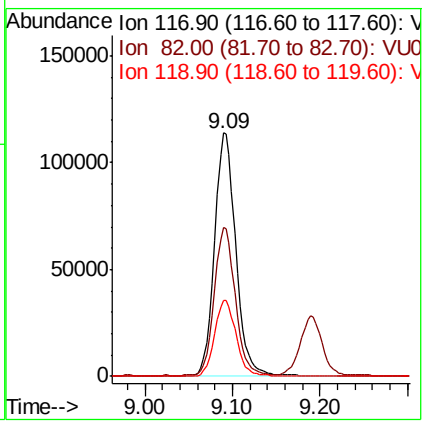


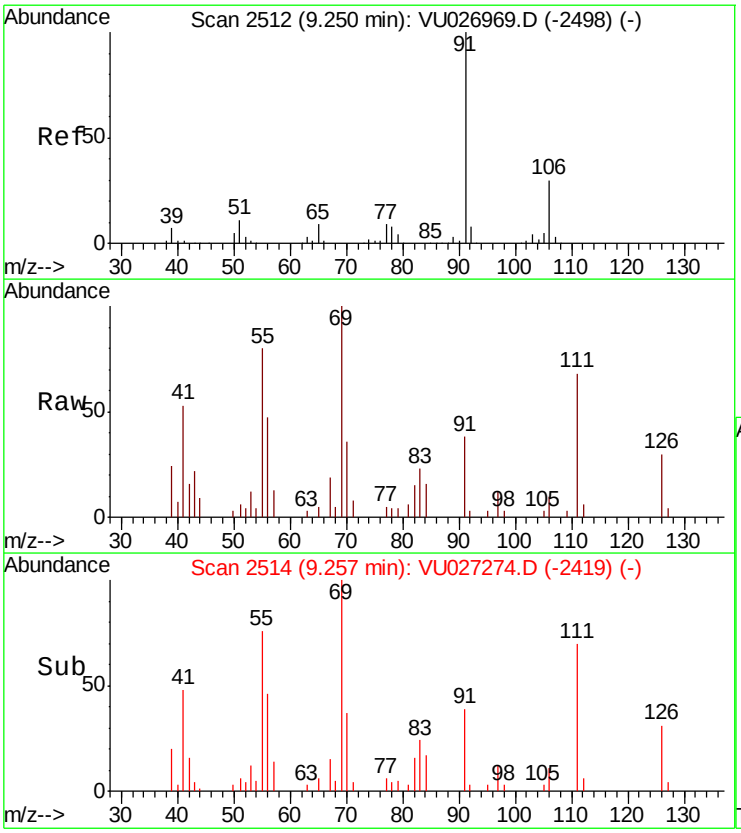

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :** MSVOA_U
**ClientSampleId :** S13-0245

Tgt Ion:117 Resp: 193001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.8 | 48.0 | 72.0 |
| 119 | 31.1 | 25.8 | 38.8 |

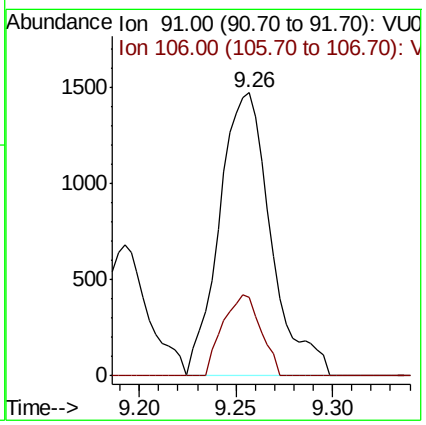


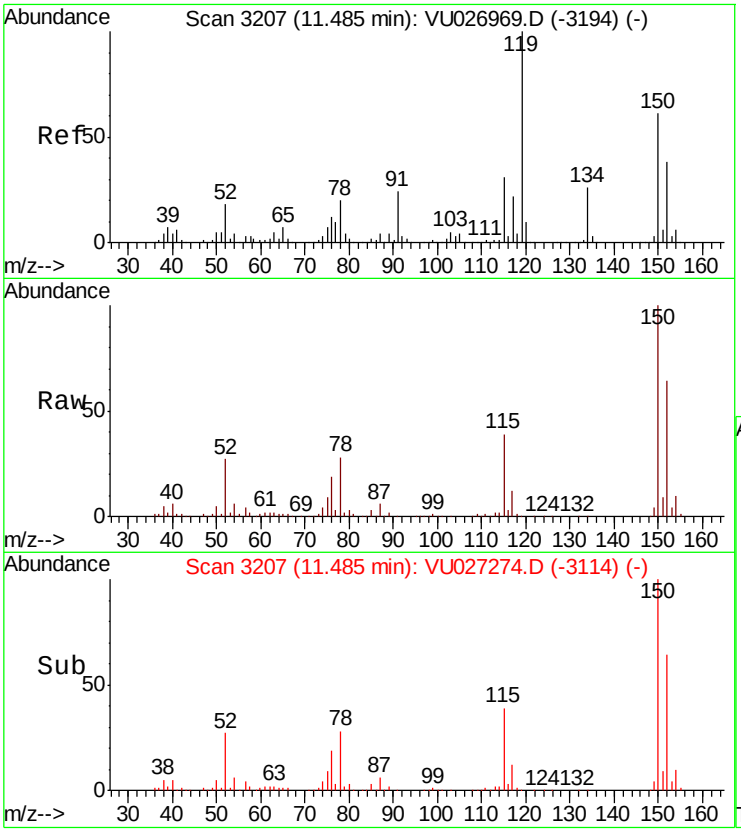




#67
Ethyl Benzene
Concen: 0.325 ug/l
RT: 9.26 min Scan# 2514
Delta R.T. 0.01 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 91 Resp: 2735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.6 | 23.8 | 35.8 |



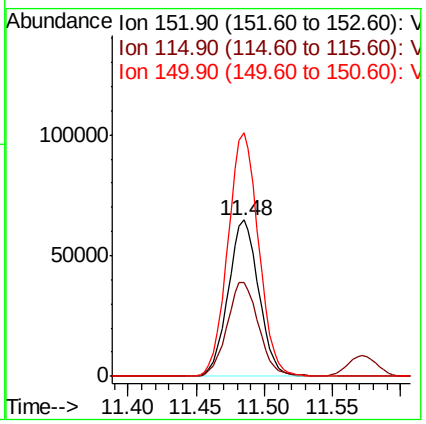


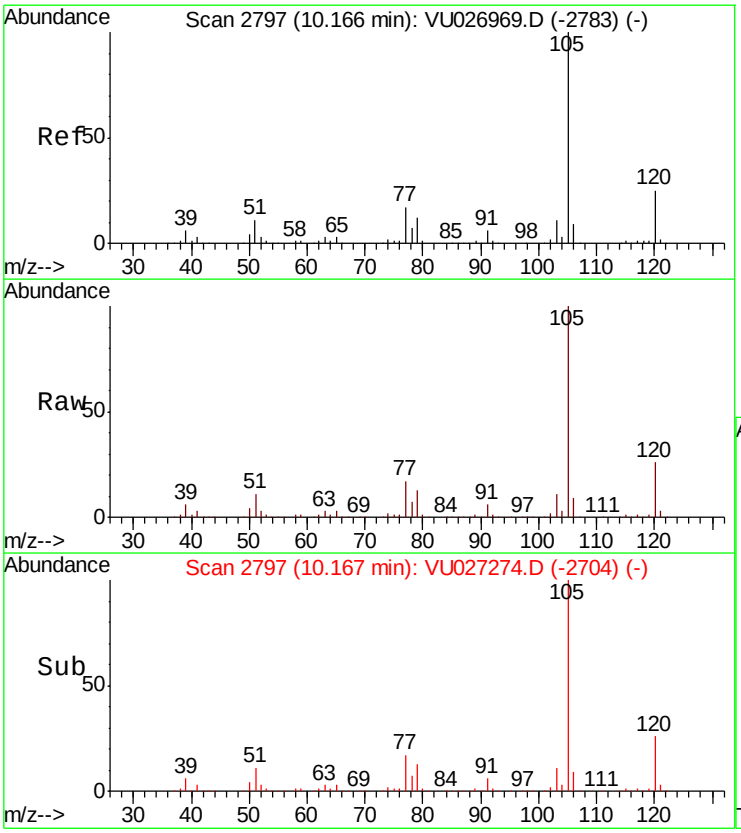

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :** MSVOA_U
**ClientSampleId :** S13-0245

Tgt Ion:152 Resp: 100467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 44.9 | 134.5 |
| 150 | 156.7 | 0.0 | 355.8 |

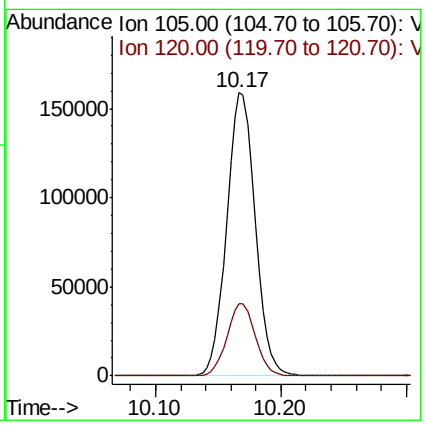


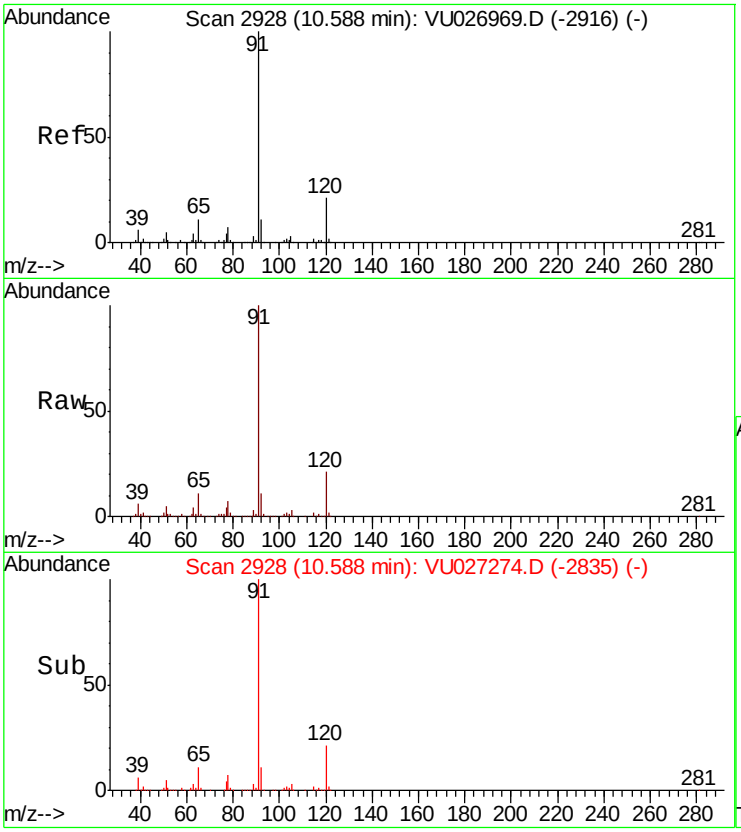




#73
Isopropylbenzene
Concen: 32.777 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion:105 Resp: 250493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.4 | 12.8 | 38.4 |



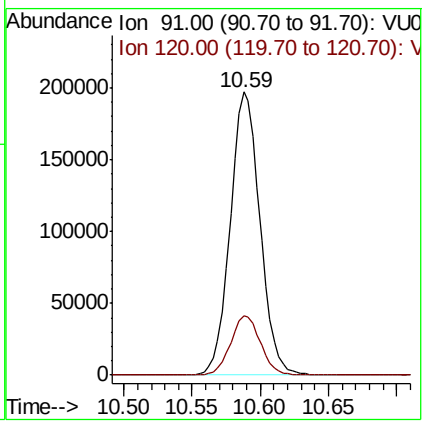


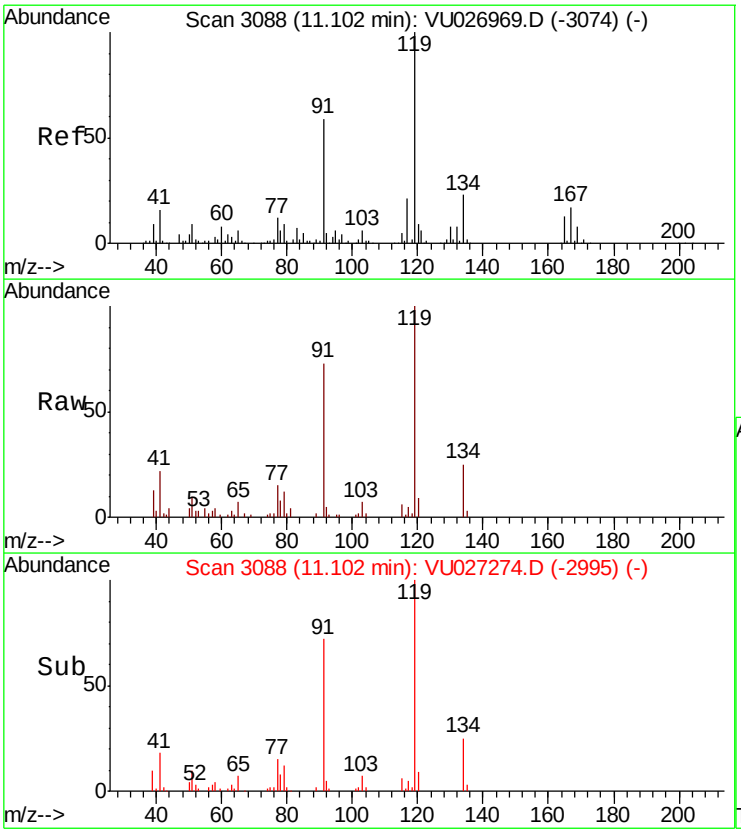

#78
n-propylbenzene
Concen: 32.973 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
S13-0245

Tgt Ion: 91 Resp: 298163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.1 | 10.6 | 31.8 |

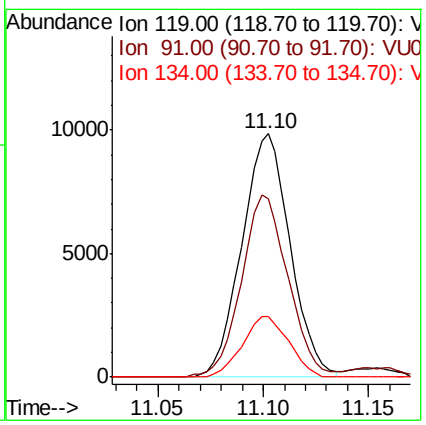


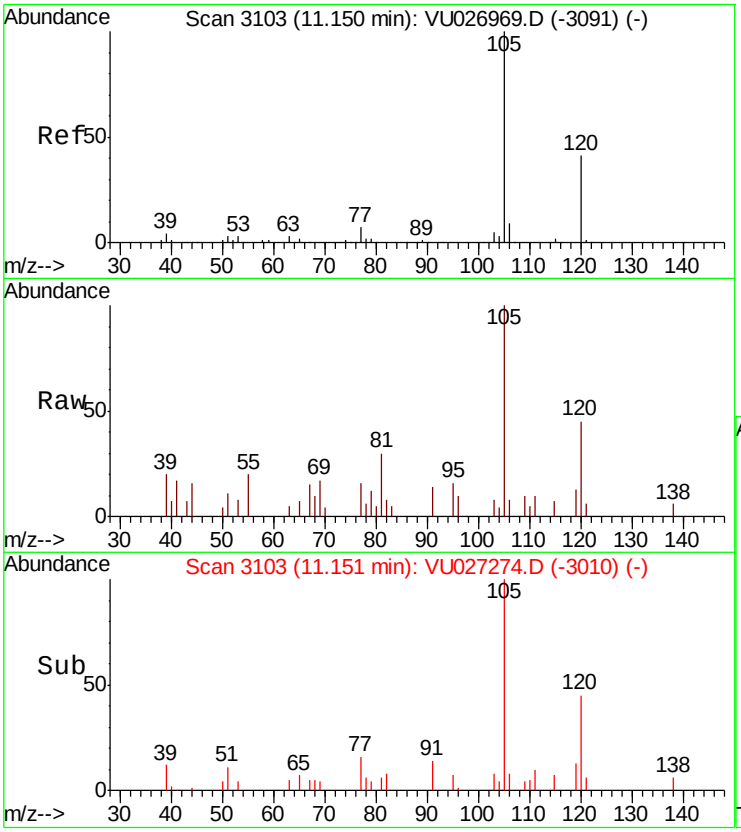




#83
tert-Butylbenzene
Concen: 2.511 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion:119 Resp: 15660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 72.4 | 29.8 | 89.4 |
| 134 | 23.8 | 11.5 | 34.4 |



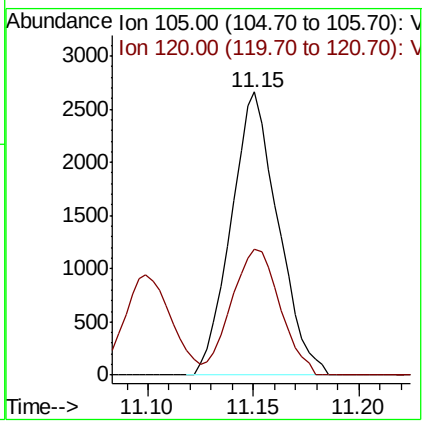


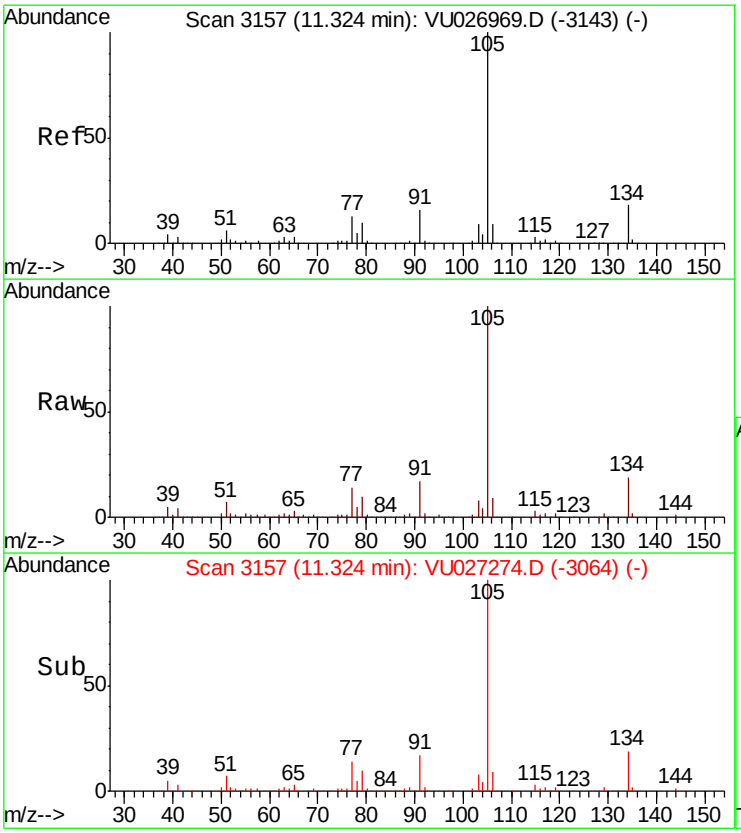

#84
1,2,4-Trimethylbenzene
Concen: 0.640 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :**
MSVOA_U
**ClientSampleId :**
S13-0245

Tgt Ion:105 Resp: 4112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 22.4 | 67.2 |

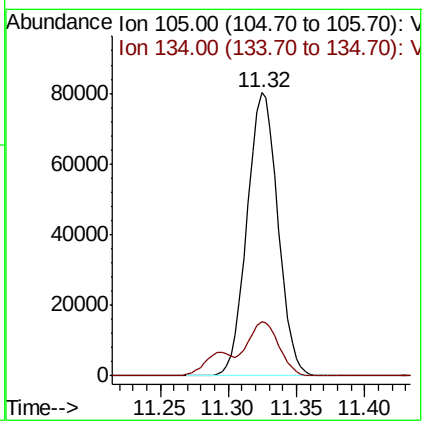


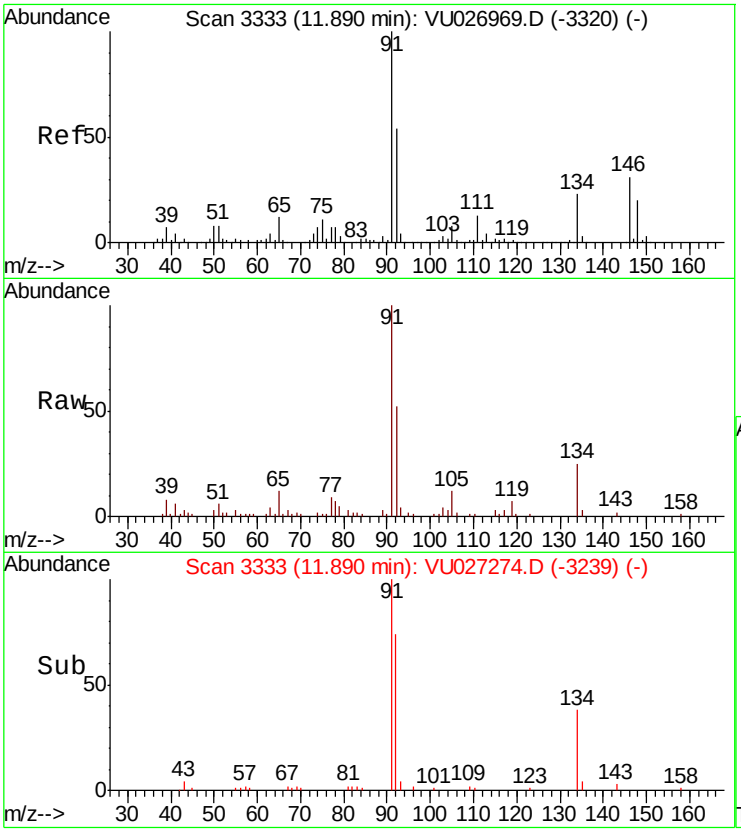




#85
sec-Butylbenzene
Concen: 16.563 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion:105 Resp: 126102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.4 | 28.2 |



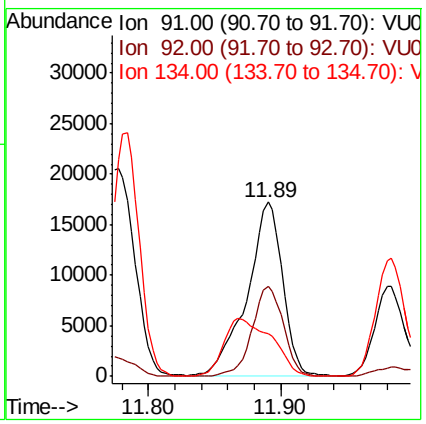


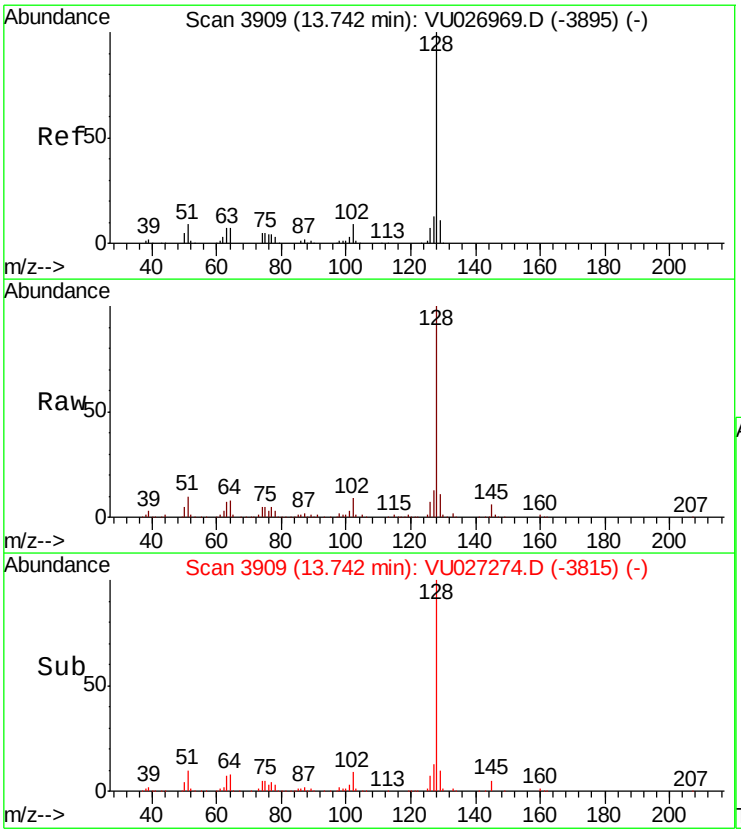

#89
n-Butylbenzene
Concen: 6.848 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

**Instrument :** MSVOA_U
**ClientSampleId :** S13-0245

Tgt Ion: 91 Resp: 32407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 45.1 | 27.1 | 81.2 |
| 134 | 0.0 | 11.7 | 35.0# |




#95
Naphthalene
Concen: 21.552 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion:128 Resp: 170990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.8 | 10.6 | 15.8 |
| 129 | 12.3 | 8.6 | 12.8 |