Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060619\
Data File : VN056028.D
Acq On : 6 Jun 2019 1:08
Operator : JC/SP
Sample : K3219-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** EFFL-B2-7

Quant Time: Jun 06 04:14:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 7.19 | 128 | 52484 | 30.00 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 8.58 | 114 | 280751 | 30.00 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 11.41 | 117 | 215896 | 30.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.03 | 65 | 99506 | 30.53 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 101.77% | | | |
| 60) 4-Bromofluorobenzene | 12.40 | 95 | 74237 | 23.20 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 77.33% | | | |
| 63) Toluene-d8 | 10.09 | 98 | 322260 | 32.90 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 109.67% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 12) Methyl Acetate | 4.33 | 43 | 1298 | 0.394 | ug/l | 97 |
| 15) Acetone | 3.83 | 58 | 140 | 0.291 | ug/l # | 1 |
| 44) Isopropyl Acetate | 8.27 | 43 | 2564 | 0.432 | ug/l # | 55 |
| 50) 1,1,2-Trichloroethane | 10.10 | 97 | 9728 | 3.187 | ug/l # | 1 |
| 58) 4-Methyl-2-Pentanone | 9.99 | 43 | 1583 | 0.484 | ug/l # | 53 |
| 59) 2-Hexanone | 10.76 | 43 | 1466 | 0.627 | ug/l # | 83 |
| 72) 1,2,3-Trichloropropane | 12.40 | 75 | 33256 | 10.484 | ug/l | 1 |
| 77) t-1,4-Dichloro-2-butene | 12.40 | 75 | 33256 | 36.742 | ug/l # | 11 |
| 85) n-Butylbenzene | 13.61 | 91 | 1699 | 0.225 | ug/l | 86 |
| 89) 1,2,4-Trichlorobenzene | 15.31 | 180 | 1650 | 9.010 | ug/l | 86 |
| 90) Hexachlorobutadiene | 15.00 | 225 | 565 | 0.303 | ug/l # | 47 |
| 91) Naphthalene | 15.14 | 128 | 3714 | 0.547 | ug/l # | 87 |
| 92) 1,2,3-Trichlorobenzene | 15.31 | 180 | 1650 | 0.617 | ug/l | 83 |

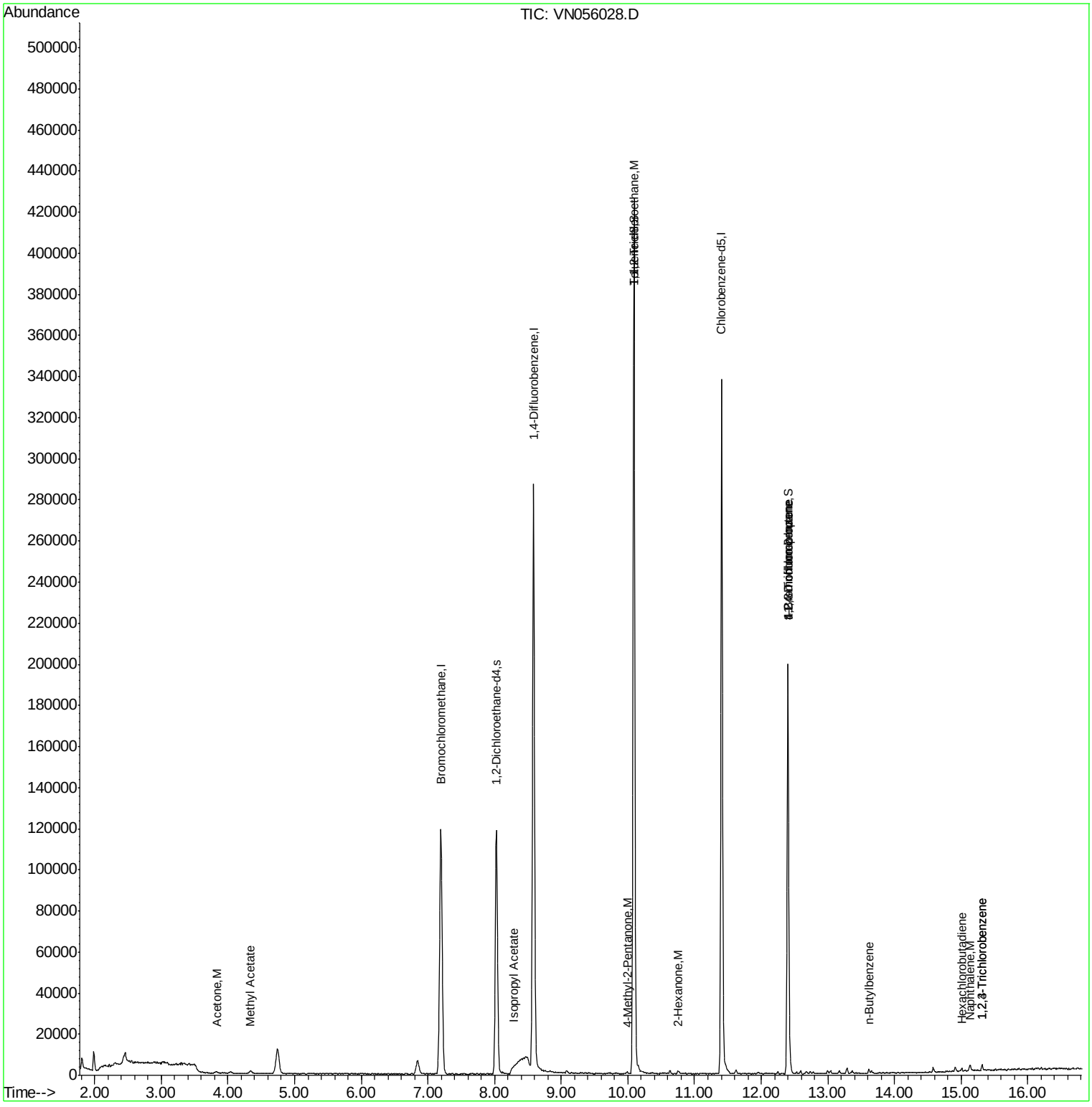
(#) = qualifier out of range (m) = manual integration (+) = signals summed

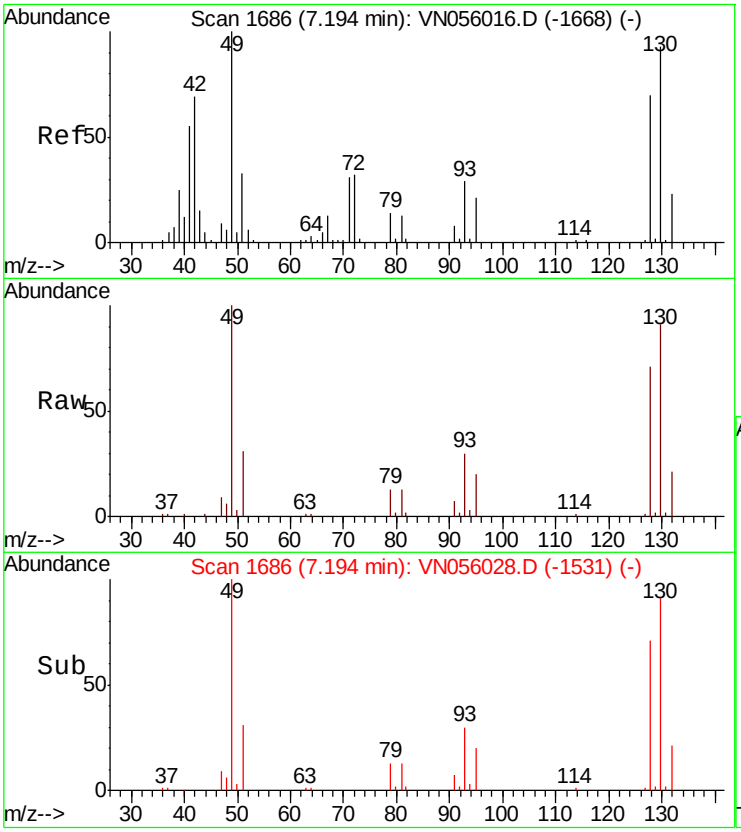
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060619\
Data File : VN056028.D
Acq On : 6 Jun 2019 1:08
Operator : JC/SP
Sample : K3219-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Quant Time: Jun 06 04:14:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N060619W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration



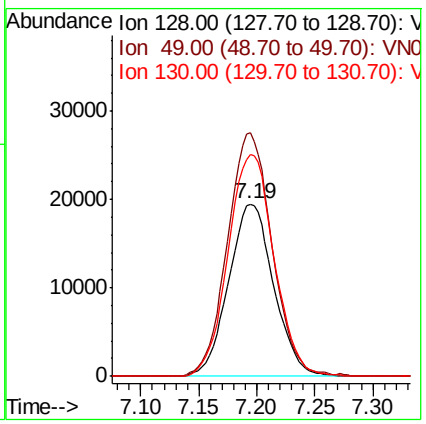


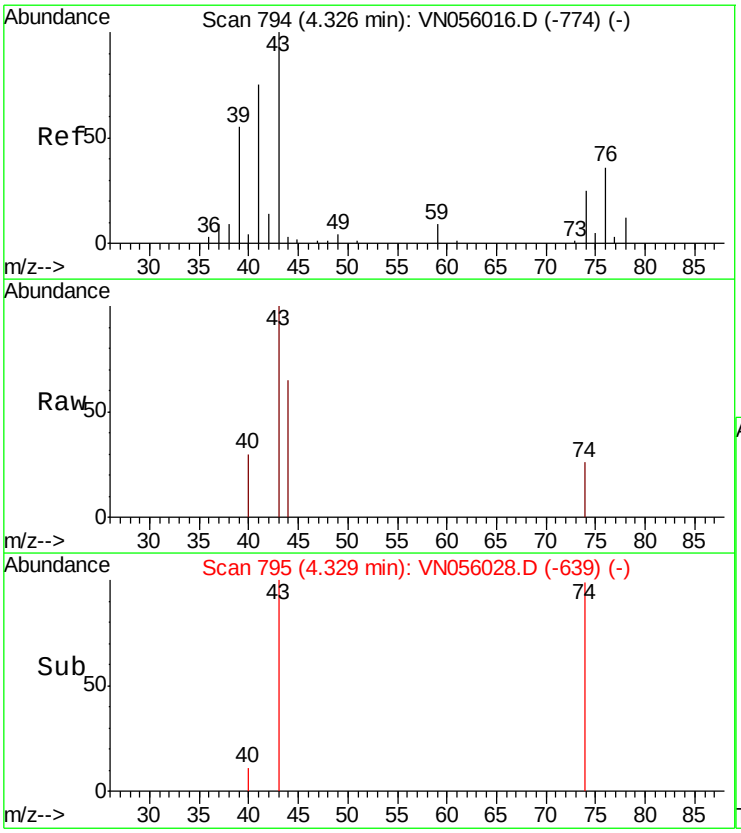

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion:128 Resp: 52484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 140.0 | 0.0 | 355.8 |
| 130 | 131.7 | 0.0 | 326.3 |

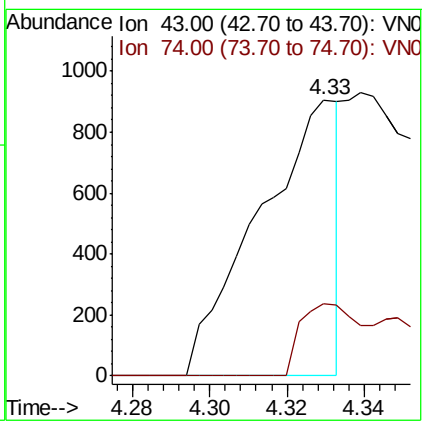


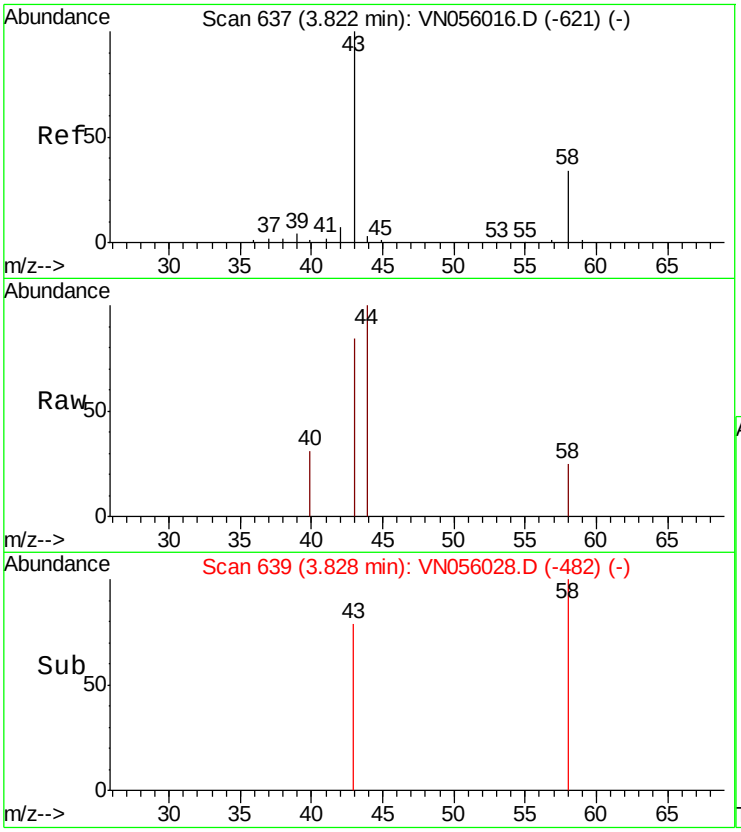




#12
Methyl Acetate
Concen: 0.394 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion: 43 Resp: 1298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.2 | 19.9 | 29.9 |



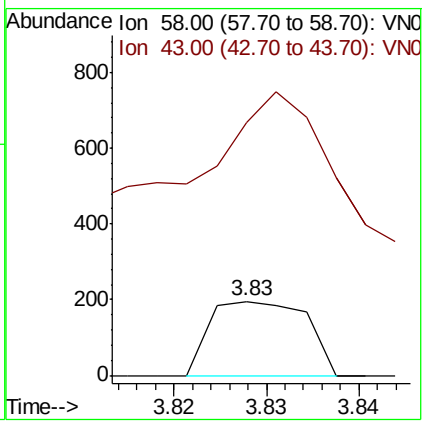


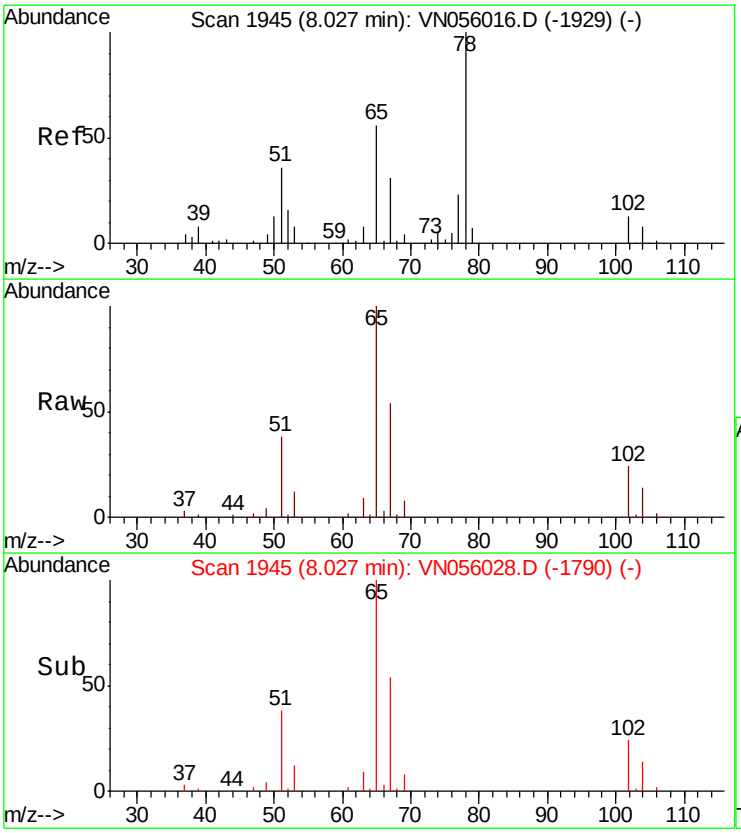

#15
Acetone
Concen: 0.291 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :** MSVOA_N
**ClientSampleId :** EFFL-B2-7

Tgt Ion: 58 Resp: 140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 82.1 | 232.5 | 348.7# |

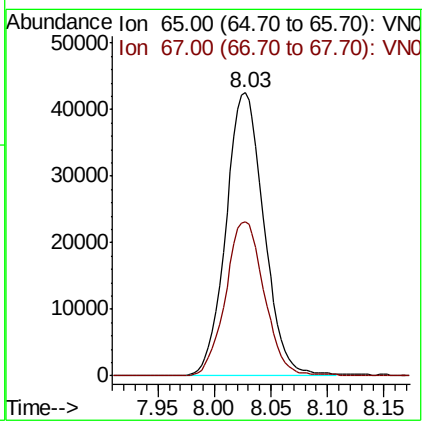


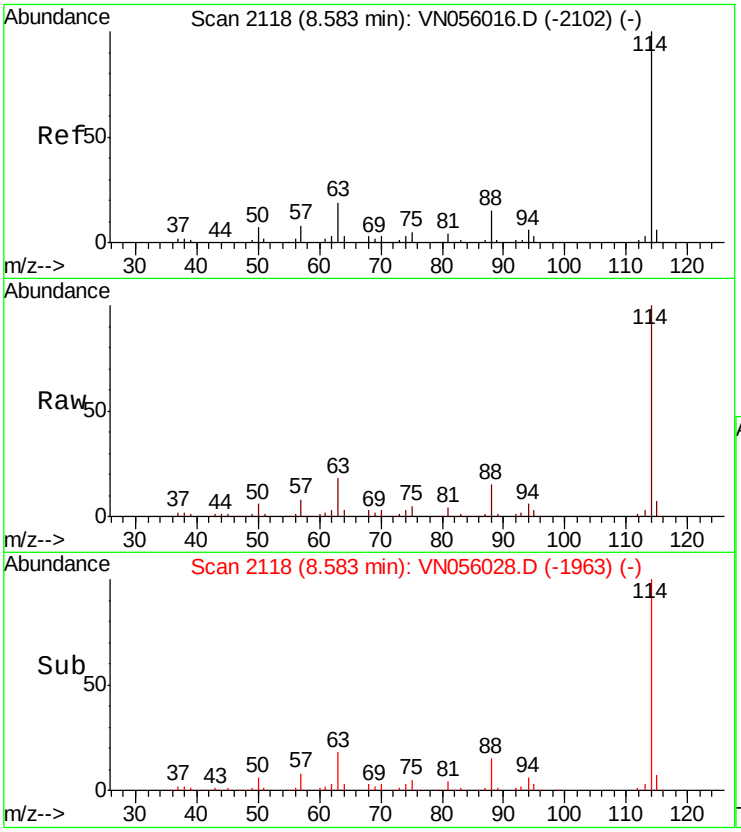




#27
1,2-Dichloroethane-d4
Concen: 30.531 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion: 65 Resp: 99506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.3 | 43.4 | 65.2 |



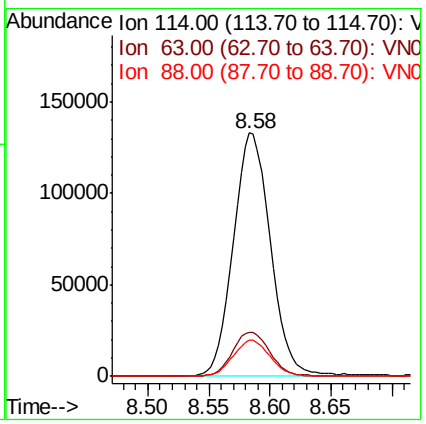


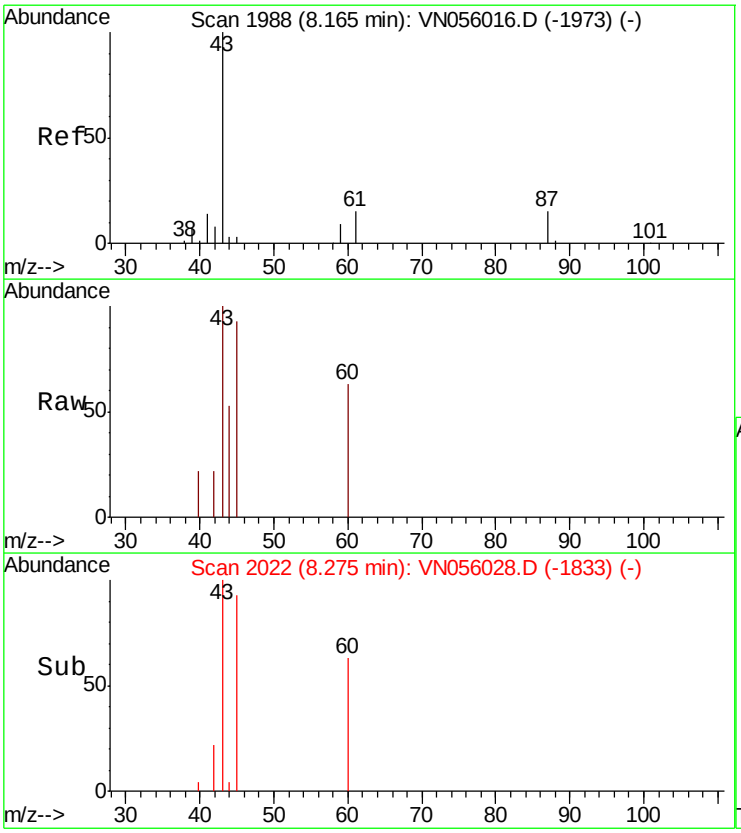

#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion:114 Resp: 280751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.4 | 14.7 | 22.1 |
| 88 | 15.0 | 11.9 | 17.9 |

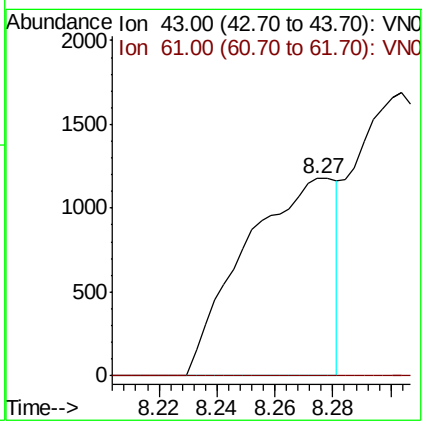


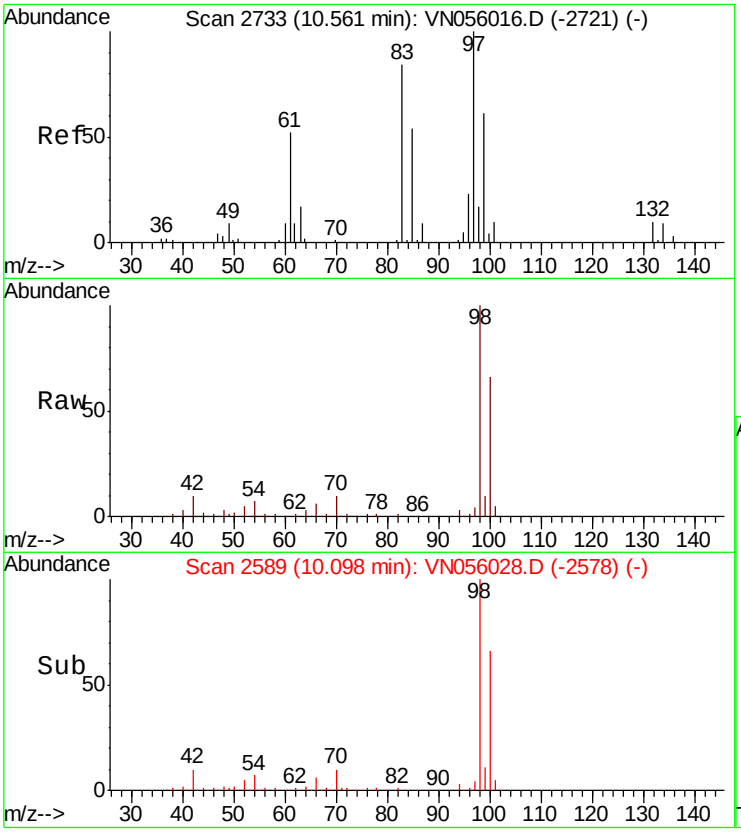




#44
Isopropyl Acetate
Concen: 0.432 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.11 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion: 43 Resp: 2564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 16.9 | 25.3# |



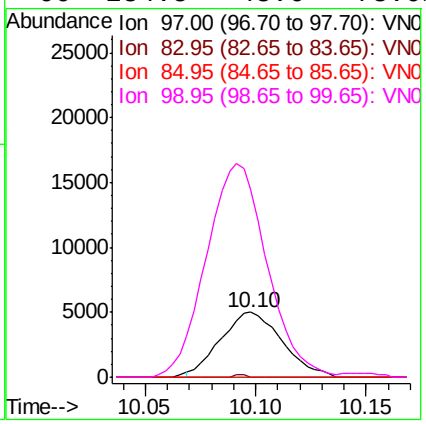


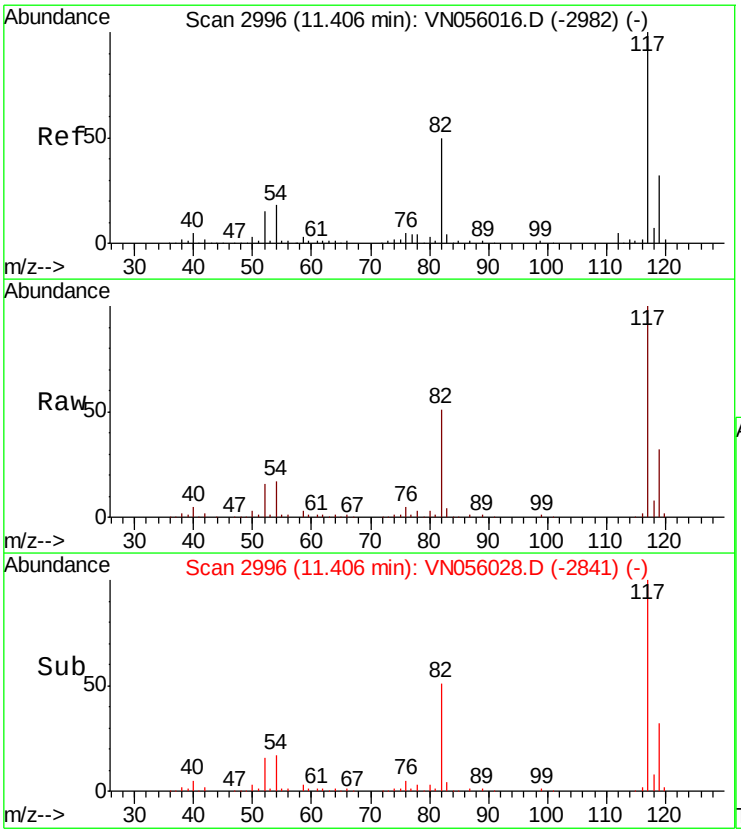

#50
1,1,2-Trichloroethane
Concen: 3.187 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion: 97 Resp: 9728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 0.0 | 66.9 | 100.3# |
| 85 | 0.0 | 43.3 | 64.9# |
| 99 | 284.5 | 48.6 | 73.0# |

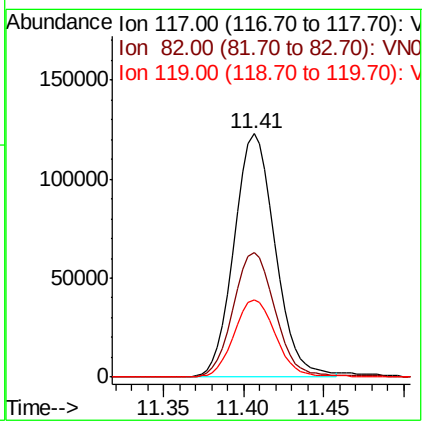


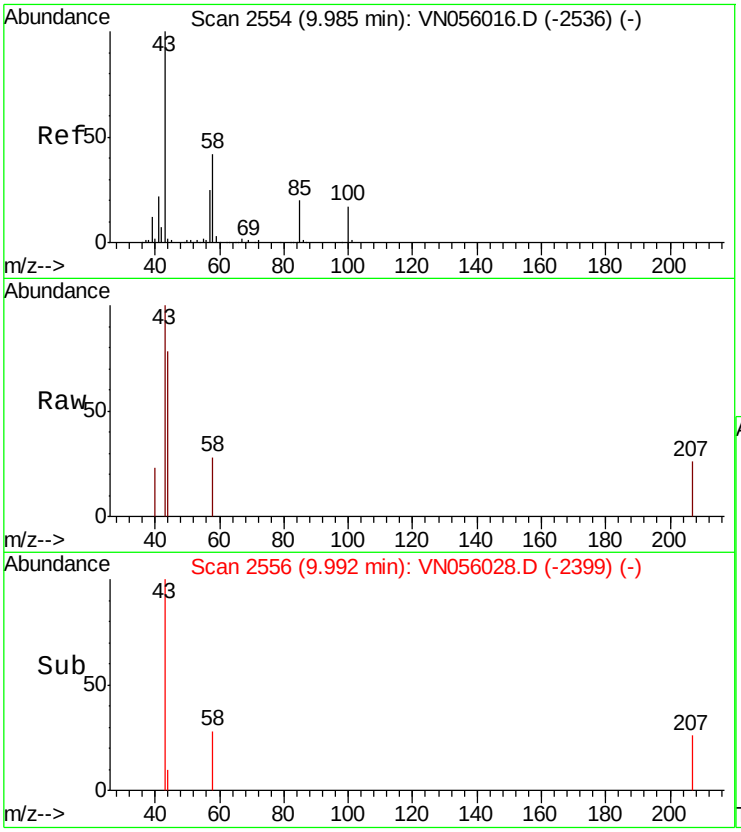




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion:117 Resp: 215896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.1 | 41.2 | 61.8 |
| 119 | 32.3 | 26.2 | 39.2 |



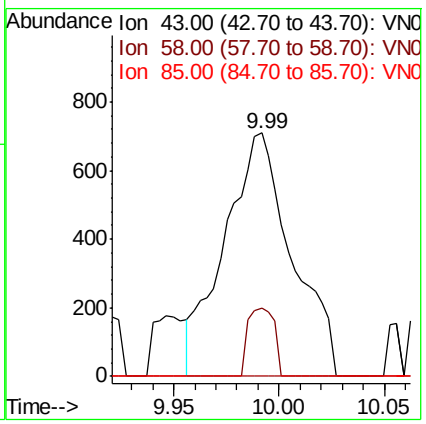


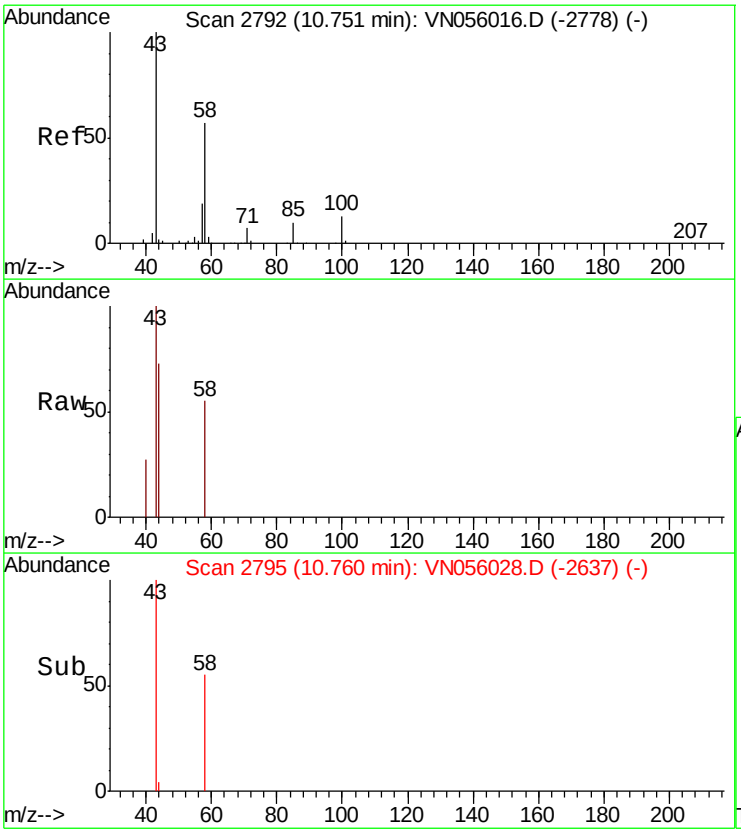

#58
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :** MSVOA_N
**ClientSampleId :** EFFL-B2-7

Tgt Ion: 43 Resp: 1583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.0 | 33.1 | 49.7# |
| 85 | 0.0 | 15.5 | 23.3# |

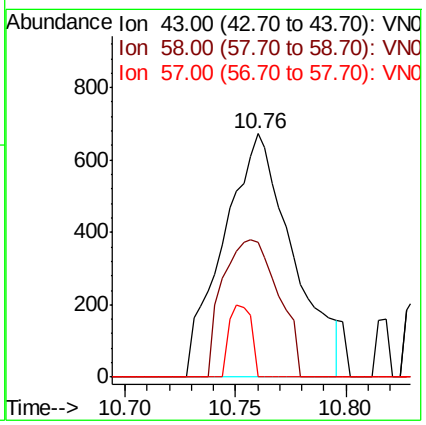


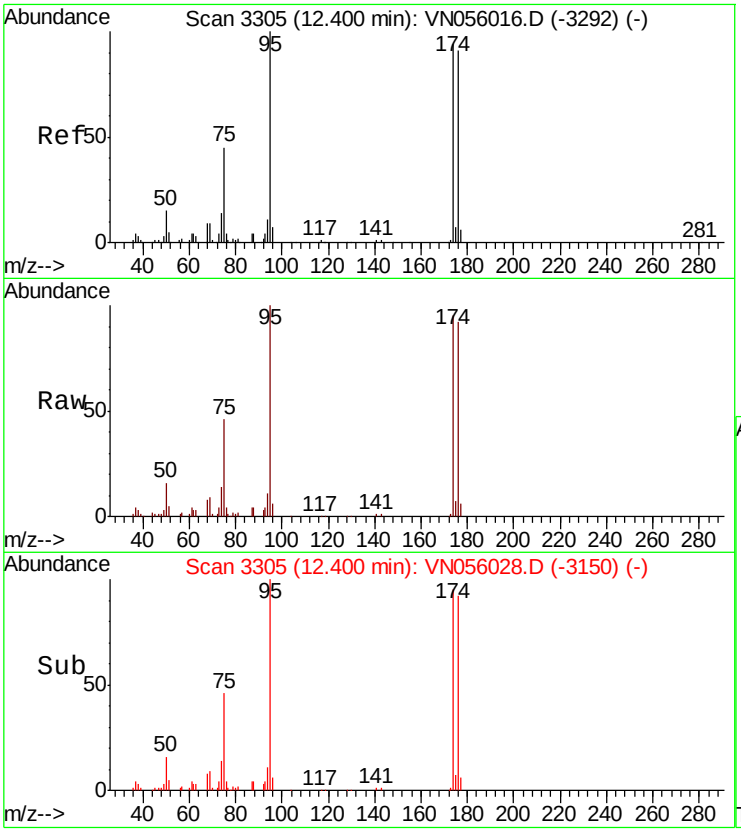




#59
2-Hexanone
Concen: 0.627 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion: 43 Resp: 1466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 45.1 | 45.3 | 67.9# |
| 57 | 9.5 | 15.6 | 23.4# |



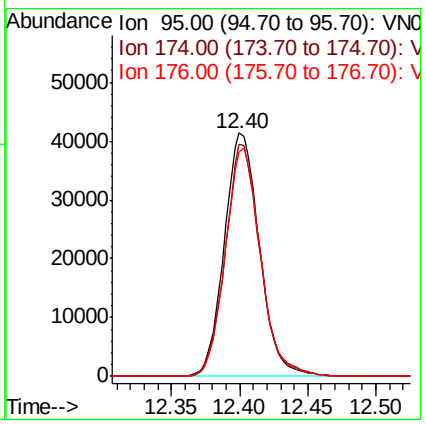


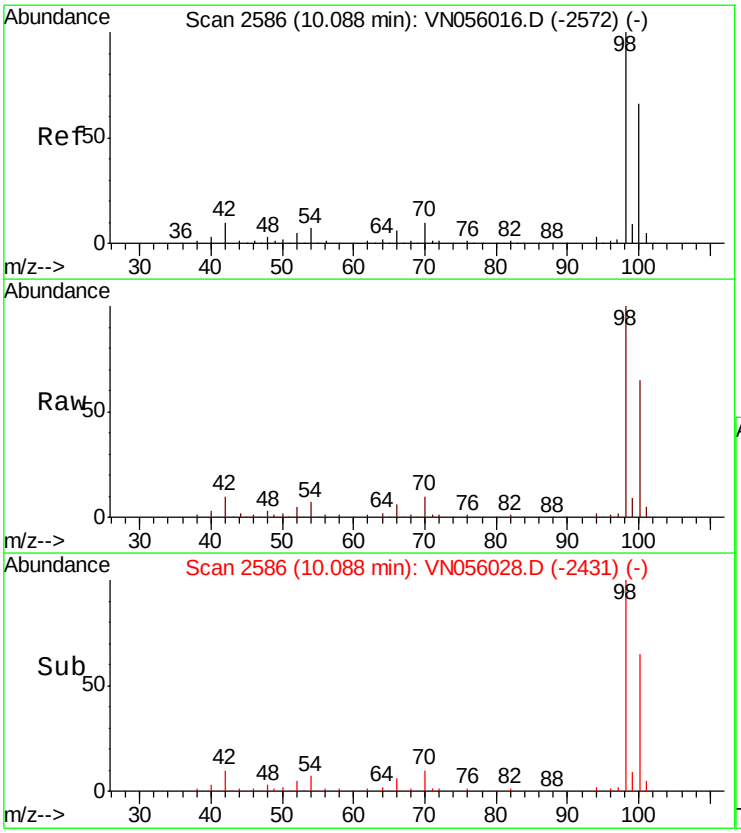

#60
4-Bromofluorobenzene
Concen: 23.199 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion: 95 Resp: 74237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.7 | 75.4 | 113.0 |
| 176 | 93.3 | 73.9 | 110.9 |

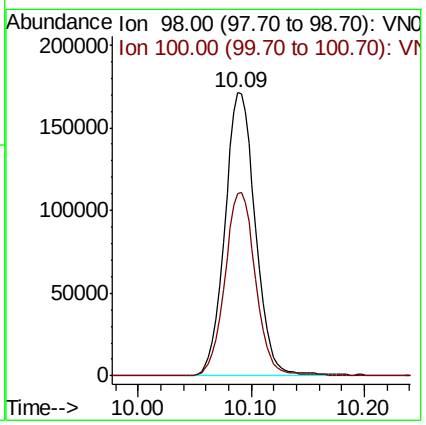


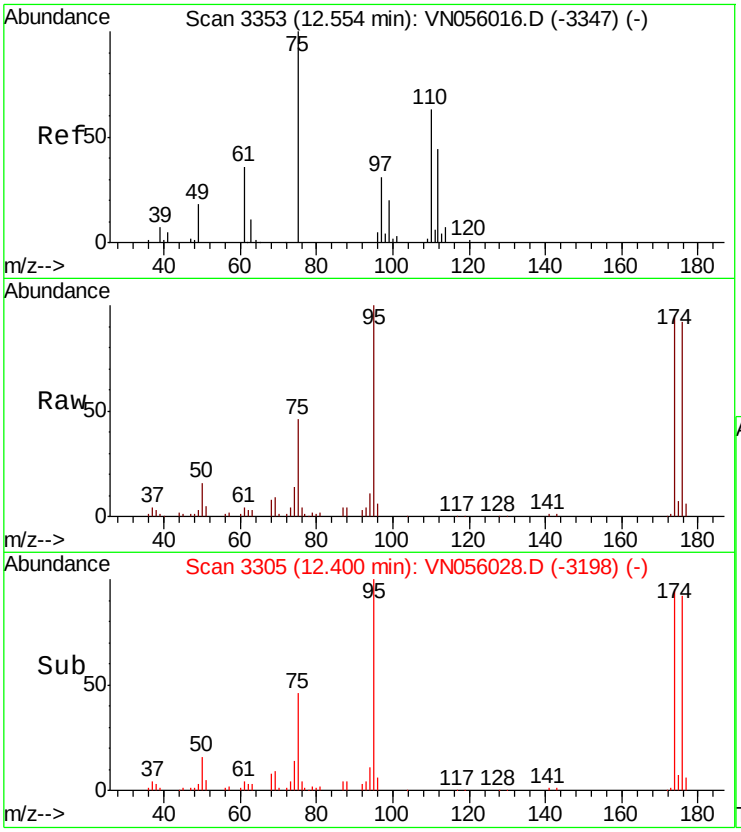




#63
Toluene-d8
Concen: 32.905 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion: 98 Resp: 322260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.2 | 78.4 |



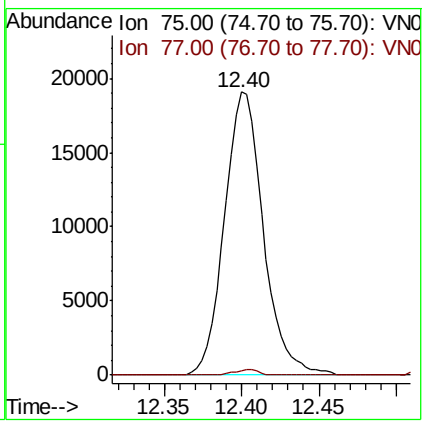


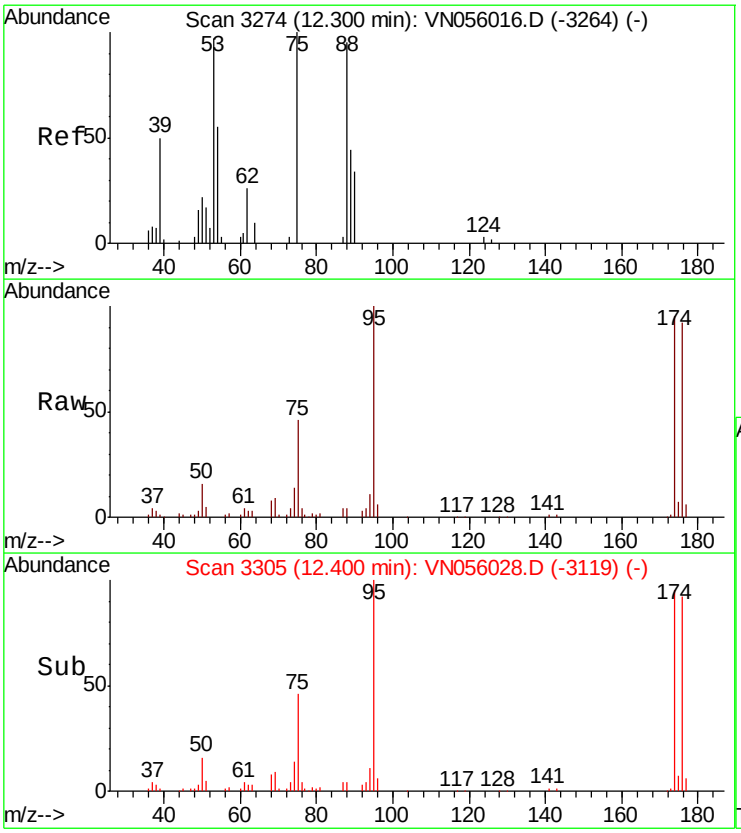

#72
1,2,3-Trichloropropane
Concen: 10.484 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion: 75 Resp: 33256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 0.0 | 350.0 |

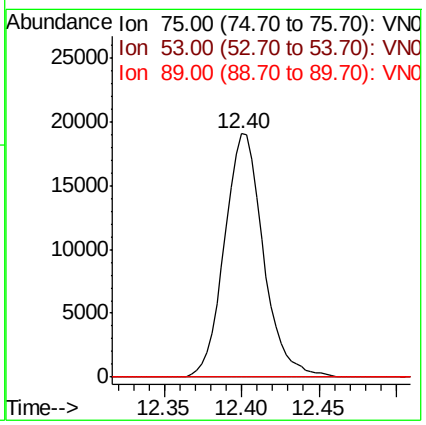


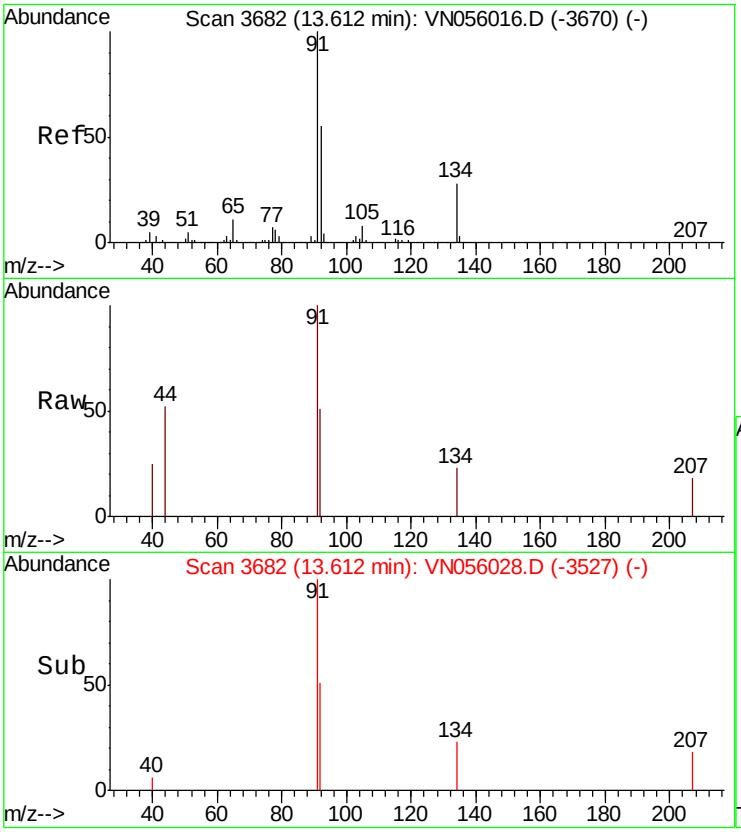




#77
t-1,4-Dichloro-2-butene
Concen: 36.742 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion: 75 Resp: 33256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 48.0 | 144.0# |
| 89 | 0.0 | 22.5 | 67.5# |



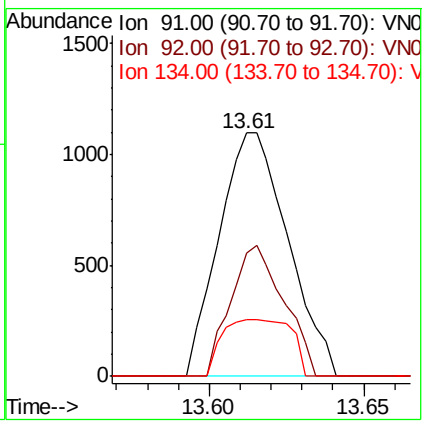


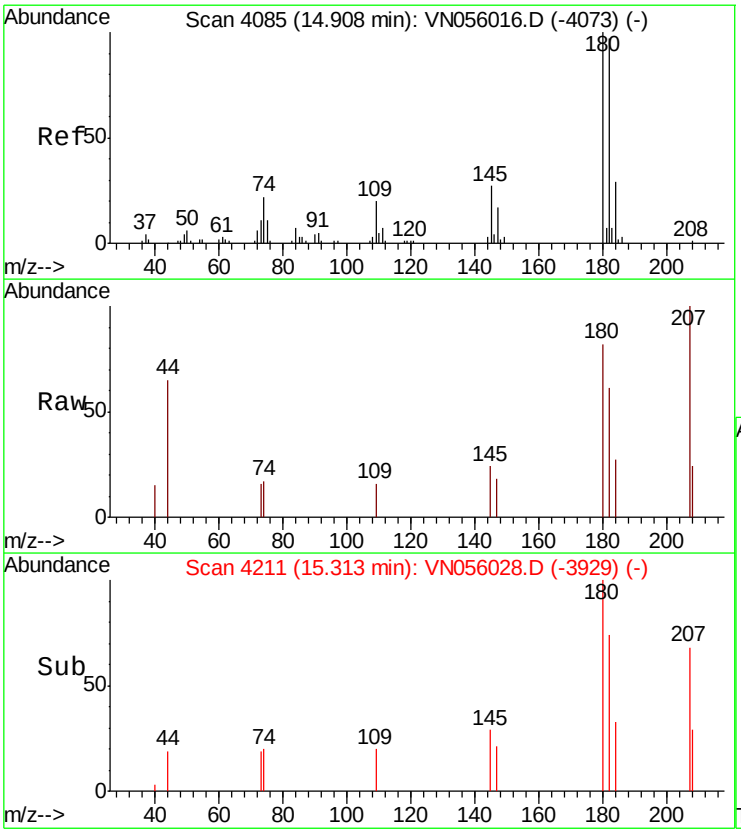

#85
n-Butylbenzene
Concen: 0.225 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion: 91 Resp: 1699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 41.6 | 0.0 | 107.2 |
| 134 | 23.4 | 0.0 | 55.8 |

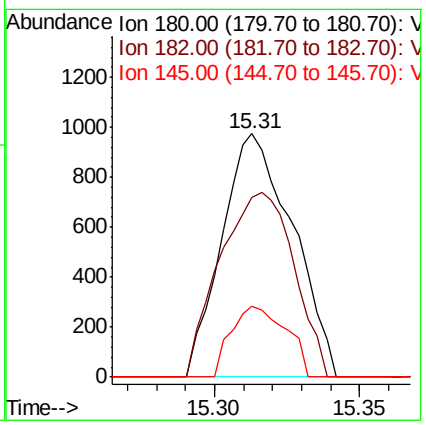


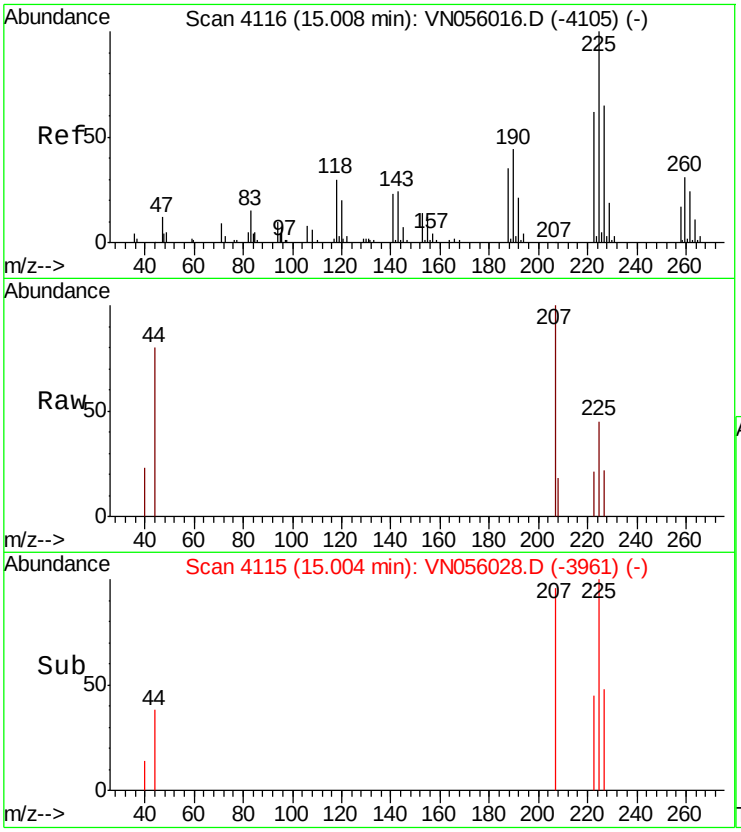




#89
1,2,4-Trichlorobenzene
Concen: 9.010 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.41 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion:180 Resp: 1650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 79.6 | 75.0 | 112.6 |
| 145 | 22.6 | 22.1 | 33.1 |



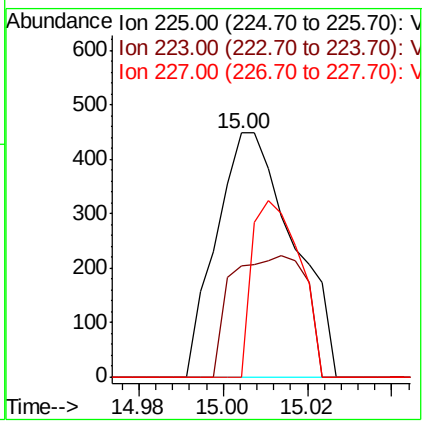


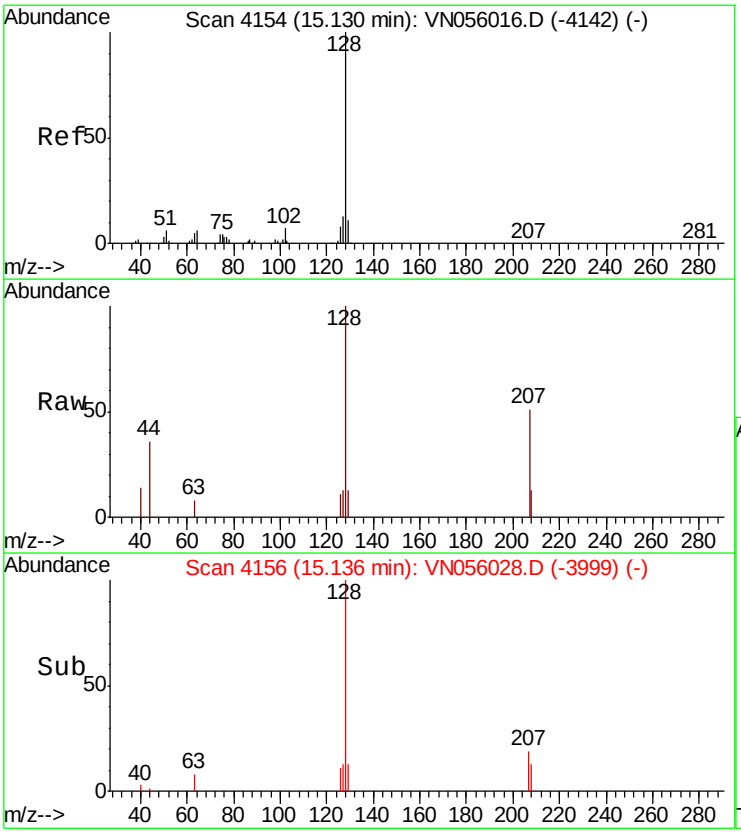

#90
Hexachlorobutadiene
Concen: 0.303 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion:225 Resp: 565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 125.6 |
| 227 | 45.0 | 0.0 | 128.6 |

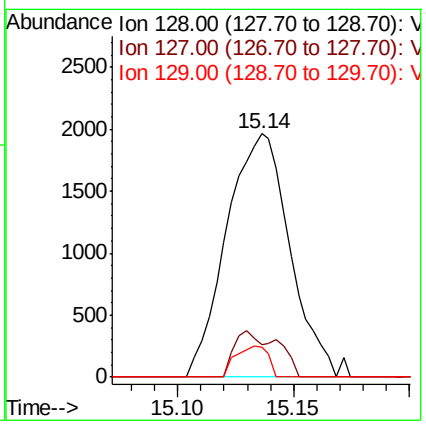


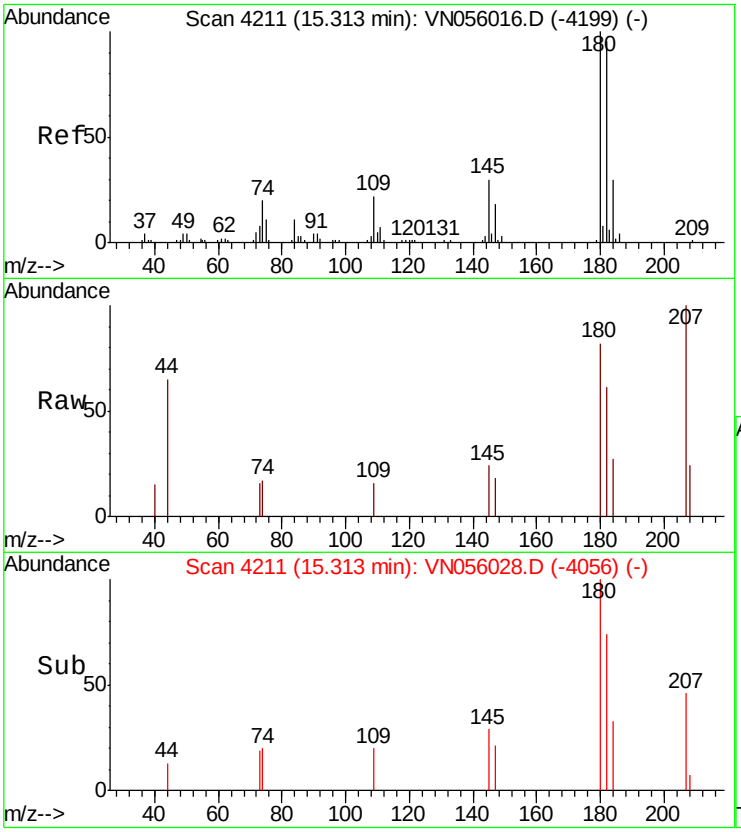




#91
Naphthalene
Concen: 0.547 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

Tgt Ion:128 Resp: 3714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 7.7 | 10.4 | 15.6# |
| 129 | 6.5 | 8.7 | 13.1# |






#92
1,2,3-Trichlorobenzene
Concen: 0.617 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056028.D
Acq: 6 Jun 2019 1:08

**Instrument :**
MSVOA_N
**ClientSampleId :**
EFFL-B2-7

Tgt Ion:180 Resp: 1650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 79.6 | 0.0 | 193.4 |
| 145 | 22.6 | 0.0 | 59.8 |