Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
Data File : VN065262.D
Acq On : 24 Dec 2020 15:28
Operator : JC/MD
Sample : L5139-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** BPOW3-4-20201215

Quant Time: Dec 25 02:38:26 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

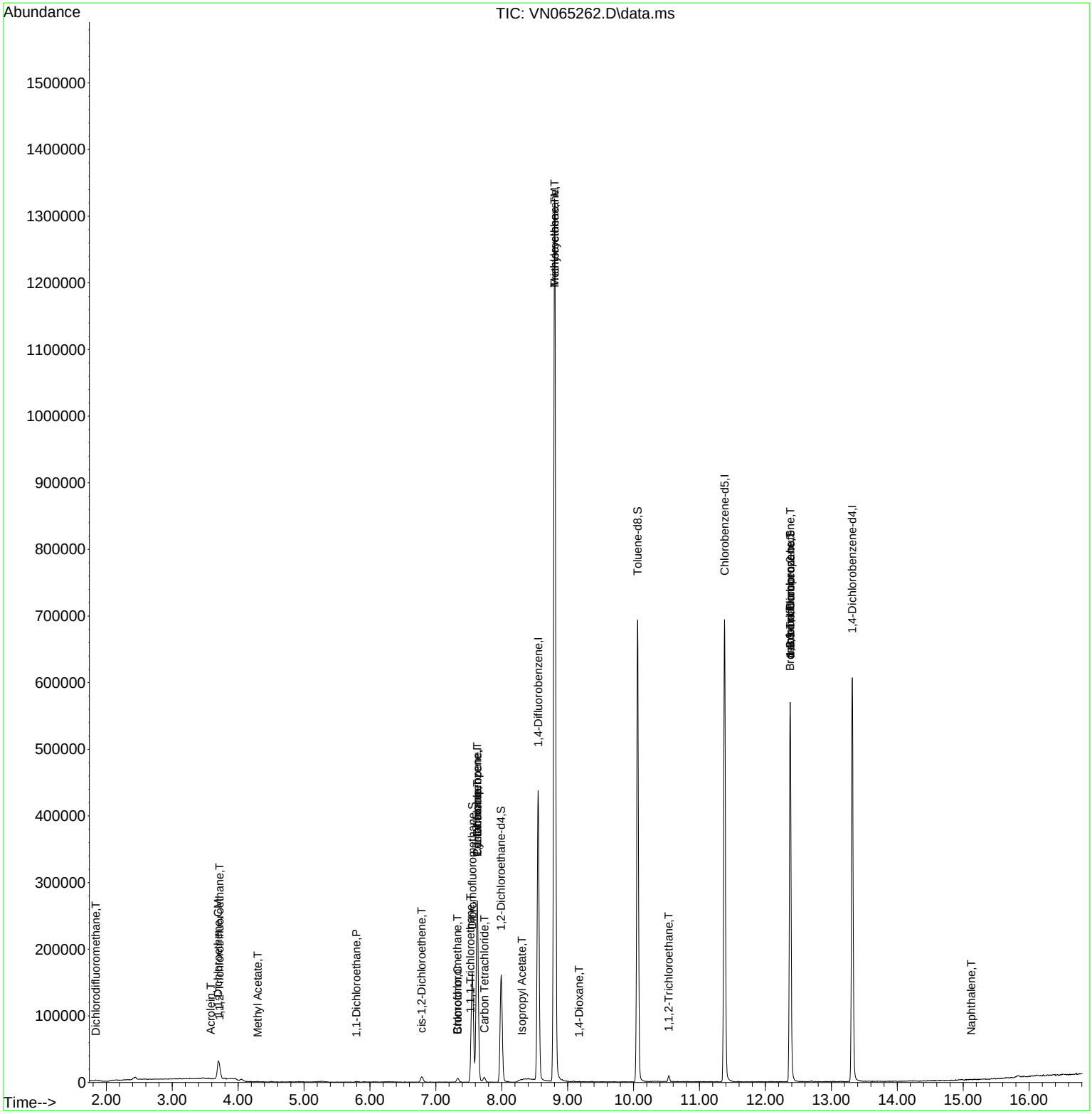
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.627 | 168 | 245274 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.553 | 114 | 399280 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.380 | 117 | 417993 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.318 | 152 | 179673 | 50.00 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.991 | 65 | 141721 | 51.18 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 102.36% | | | | |
| 35) Dibromofluoromethane | 7.553 | 113 | 122565 | 50.88 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 101.76% | | | | |
| 50) Toluene-d8 | 10.061 | 98 | 489389 | 54.21 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 108.42% | | | | |
| 62) 4-Bromofluorobenzene | 12.376 | 95 | 196983 | 54.64 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 109.28% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.840 | 85 | 913 | 0.40 | ug/l | | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 3.718 | 101 | 7645 | 3.39 | ug/l | # | 88 |
| 12) 1,1-Dichloroethene | 3.698 | 96 | 10279 | 4.27 | ug/l | | 98 |
| 13) Acrolein | 3.586 | 56 | 63 | 2.61 | ug/l | # | 7 |
| 16) Acetone | 3.775 | 43 | 286 | Below Cal | | # | 45 |
| 18) Methyl Acetate | 4.300 | 43 | 737 | 0.30 | ug/l | # | 50 |
| 24) 1,1-Dichloroethane | 5.795 | 63 | 2302 | 0.53 | ug/l | # | 82 |
| 27) cis-1,2-Dichloroethene | 6.785 | 96 | 6086 | 2.21 | ug/l | | 86 |
| 28) Bromochloromethane | 7.325 | 49 | 331 | 0.81 | ug/l | # | 10 |
| 30) Chloroform | 7.332 | 83 | 6781 | 1.52 | ug/l | | 94 |
| 31) Cyclohexane | 7.627 | 56 | 4256 | 1.04 | ug/l | # | 19 |
| 32) 1,1,1-Trichloroethane | 7.524 | 97 | 1357 | 0.34 | ug/l | # | 37 |
| 36) 1,1-Dichloropropene | 7.627 | 75 | 15312 | 4.22 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 7.737 | 117 | 5879 | 1.54 | ug/l | | 96 |
| 39) Methylcyclohexane | 8.801 | 83 | 5854 | 1.34 | ug/l | # | 1 |
| 43) Isopropyl Acetate | 8.306 | 43 | 6205 | 1.00 | ug/l | # | 59 |
| 44) Trichloroethene | 8.801 | 130 | 508255 | 163.03 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.174 | 88 | 306 | 6.27 | ug/l | # | 51 |
| 55) 1,1,2-Trichloroethane | 10.534 | 97 | 3334 | 1.24 | ug/l | | 87 |
| 71) Bromoform | 12.373 | 173 | 1126 | 0.40 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.376 | 75 | 100131 | 27.32 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.376 | 75 | 100131 | 68.88 | ug/l | # | 15 |
| 95) Naphthalene | 15.122 | 128 | 333 | 3.41 | ug/l | # | 69 |

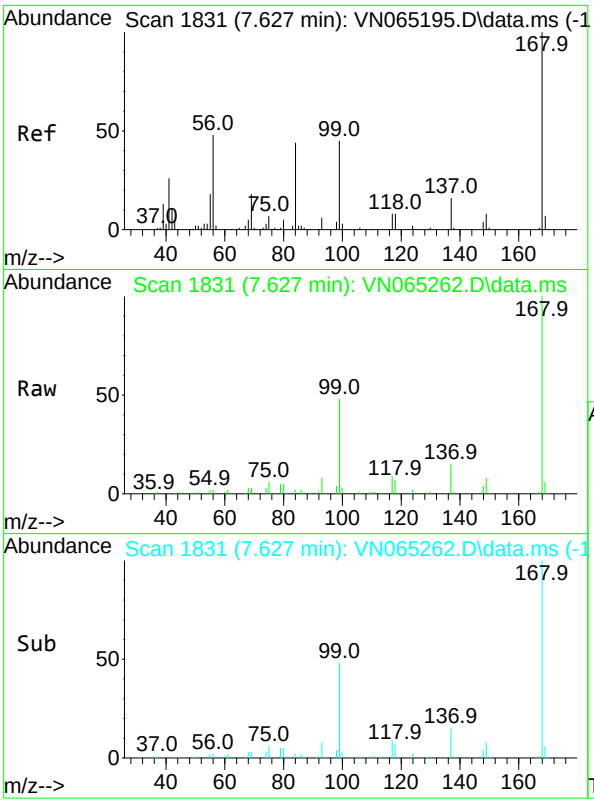
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
Data File : VN065262.D
Acq On : 24 Dec 2020 15:28
Operator : JC/MD
Sample : L5139-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

Quant Time: Dec 25 02:38:26 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
Response via : Initial Calibration

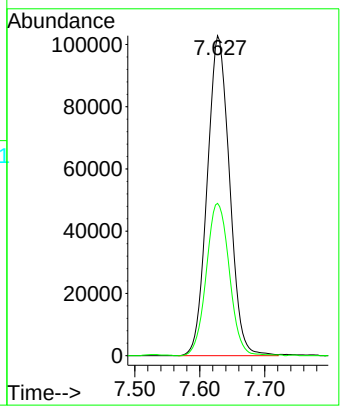




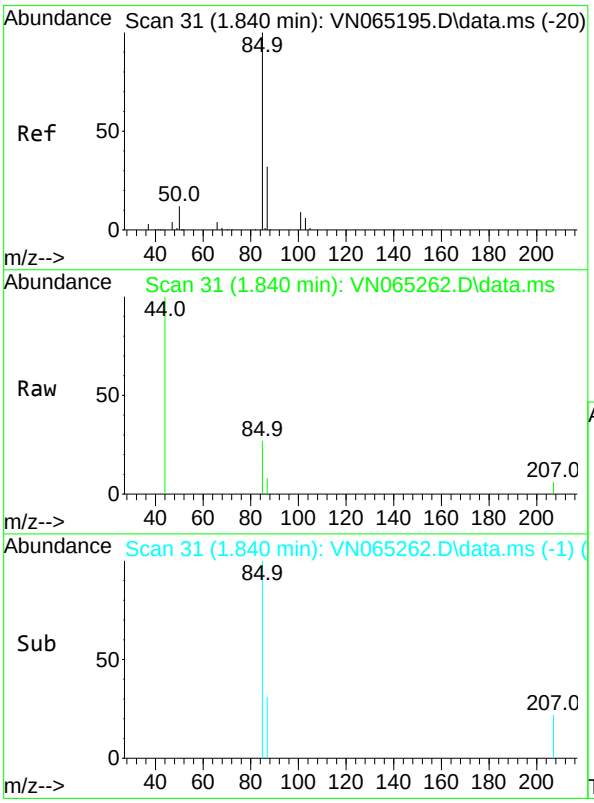

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:168 Resp: 245274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.6 | 43.0 | 64.4 |



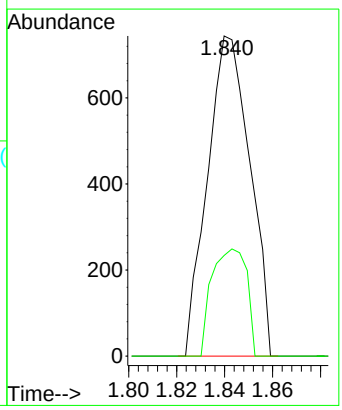

**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215



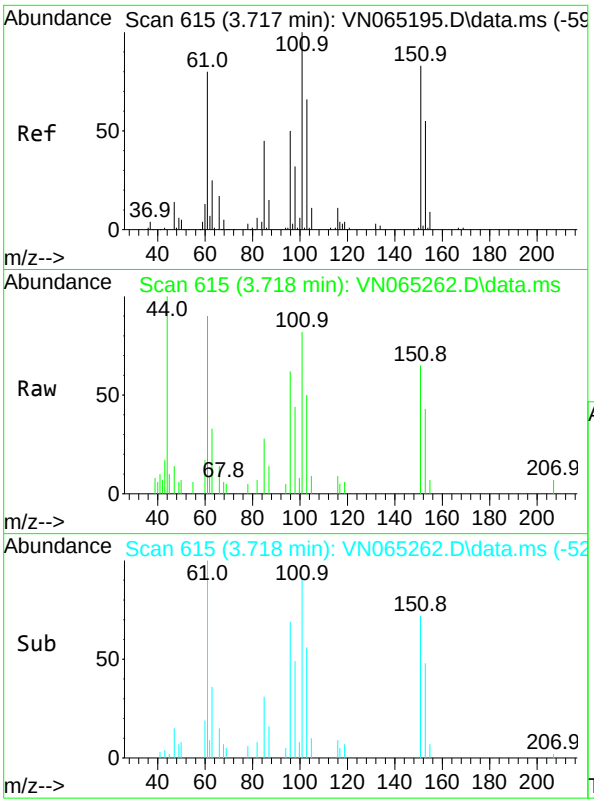

#2
Dichlorodifluoromethane
Concen: 0.40 ug/l
RT: 1.840 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 85 Resp: 913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 16.4 | 49.4 |



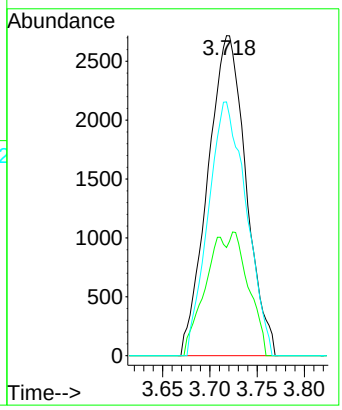
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

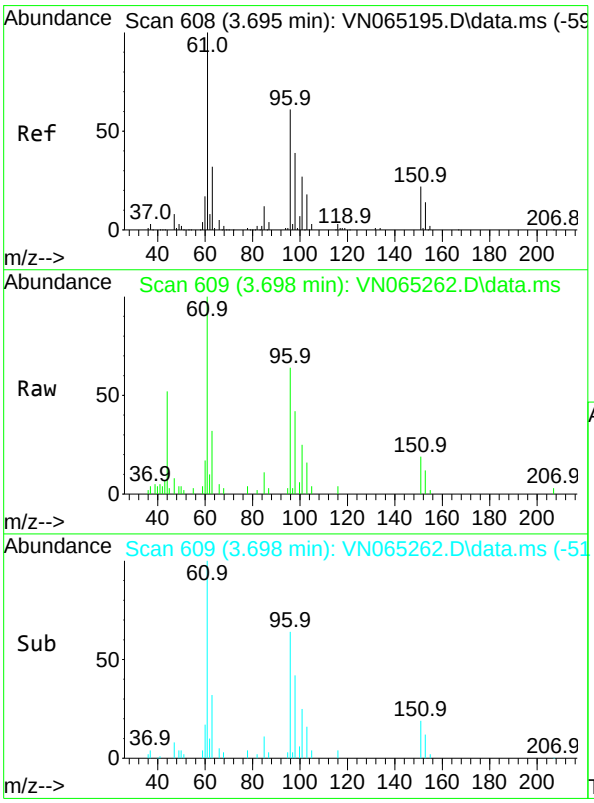



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.39 ug/l
RT: 3.718 min Scan# 615
Delta R.T. 0.001 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:101 Resp: 7645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 22.1 | 34.4 | 51.6# |
| 151 | 78.9 | 64.0 | 96.0 |

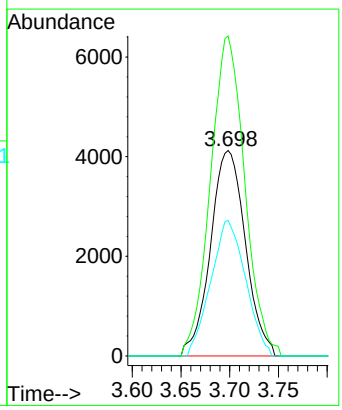


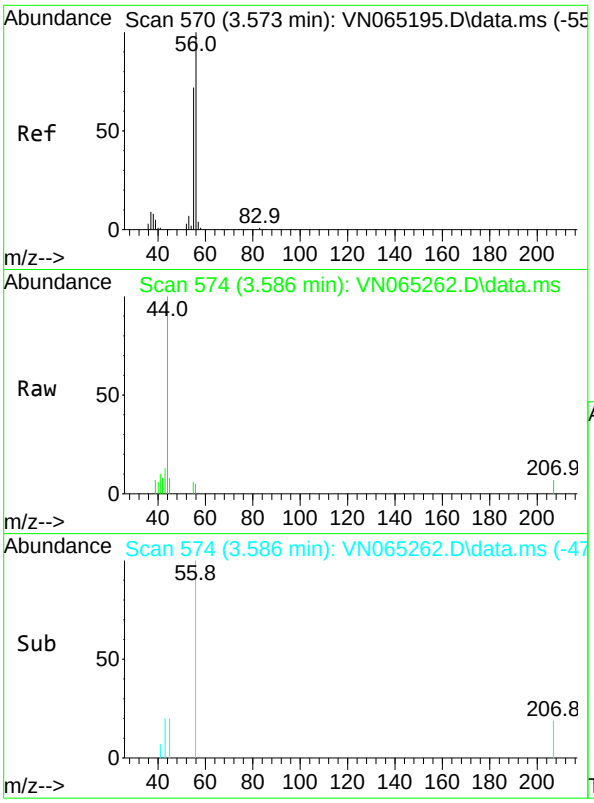

#12
1,1-Dichloroethene
Concen: 4.27 ug/l
RT: 3.698 min Scan# 609
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 96 Resp: 10279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.8 | 123.4 | 185.2 |
| 98 | 66.0 | 49.8 | 74.8 |



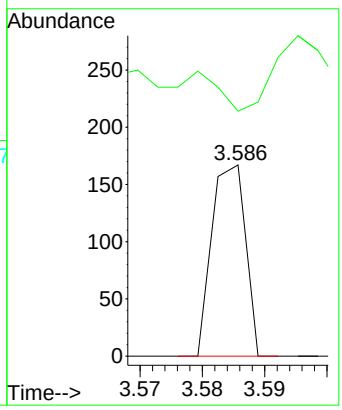
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

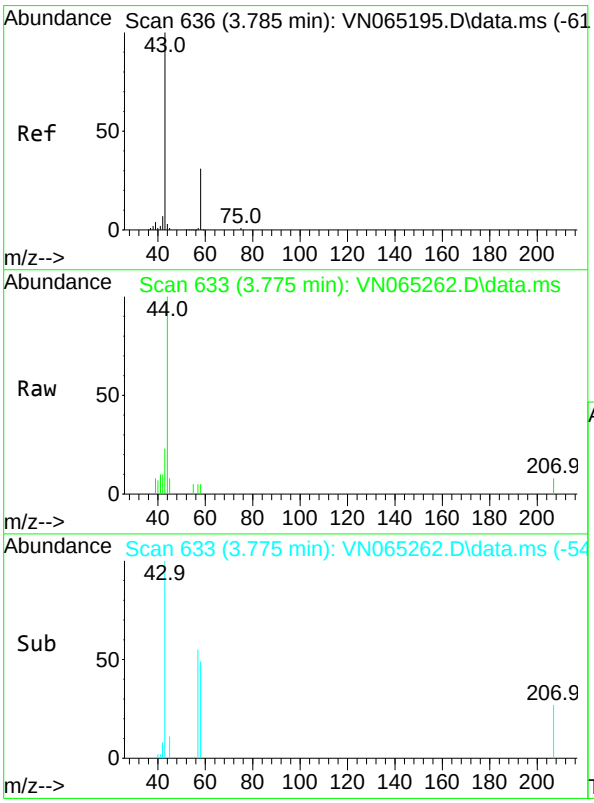



#13
Acrolein
Concen: 2.61 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.013 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 56 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 147.6 | 56.5 | 84.7# |

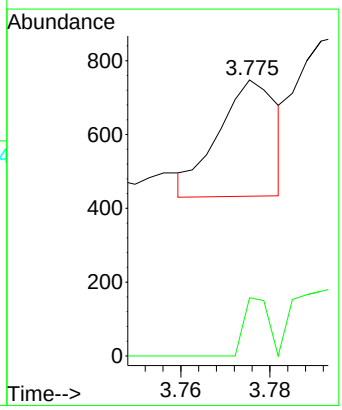


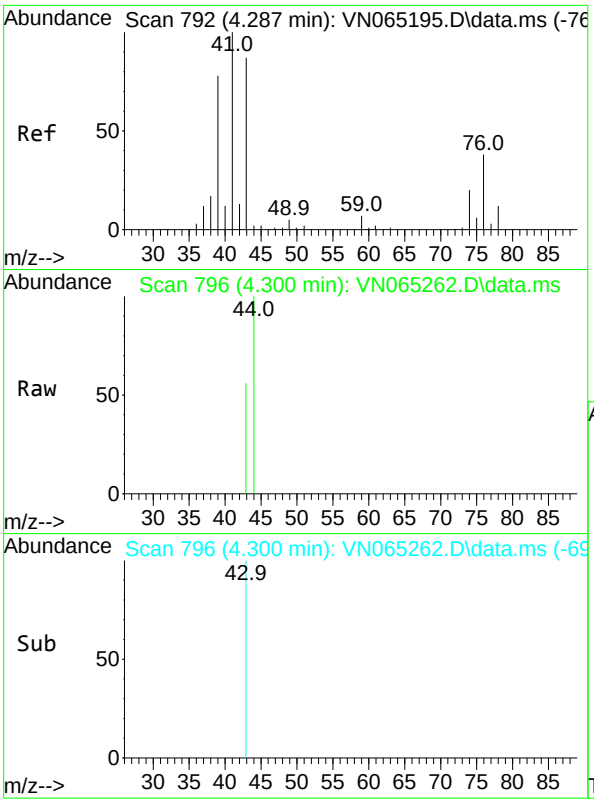




#16
Acetone
Concen: Below Cal
RT: 3.775 min Scan# 633
Delta R.T. -0.010 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 43 Resp: 286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 62.7 | 25.7 | 38.5# |

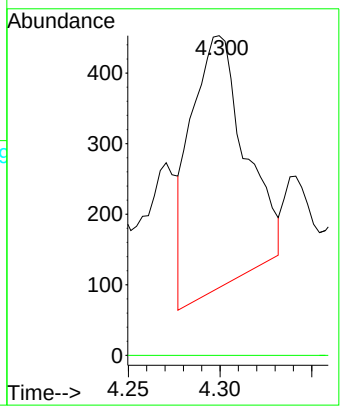




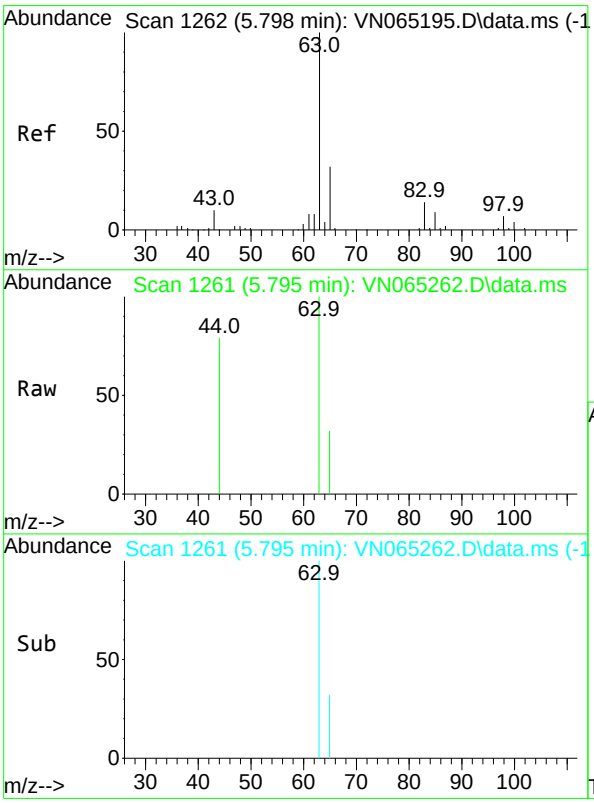

#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 4.300 min Scan# 796
Delta R.T. 0.013 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 43 Resp: 737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 20.2 | 30.2# |



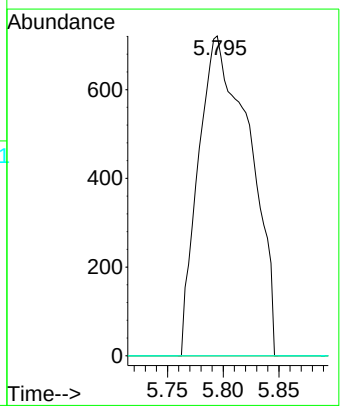

**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215



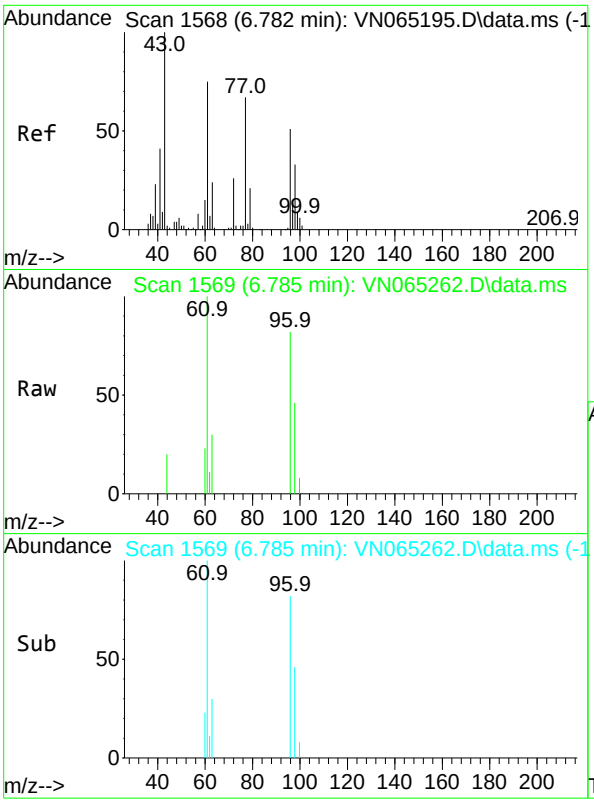

#24
1,1-Dichloroethane
Concen: 0.53 ug/l
RT: 5.795 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 63 Resp: 2302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 0.0 | 3.5 | 10.5# |
| 100 | 0.0 | 2.3 | 6.8# |



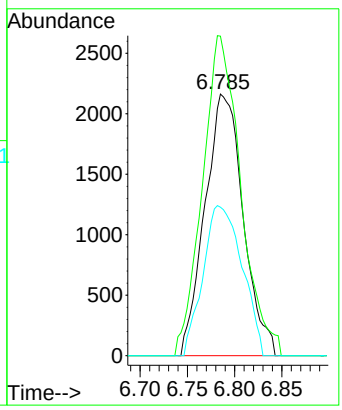
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

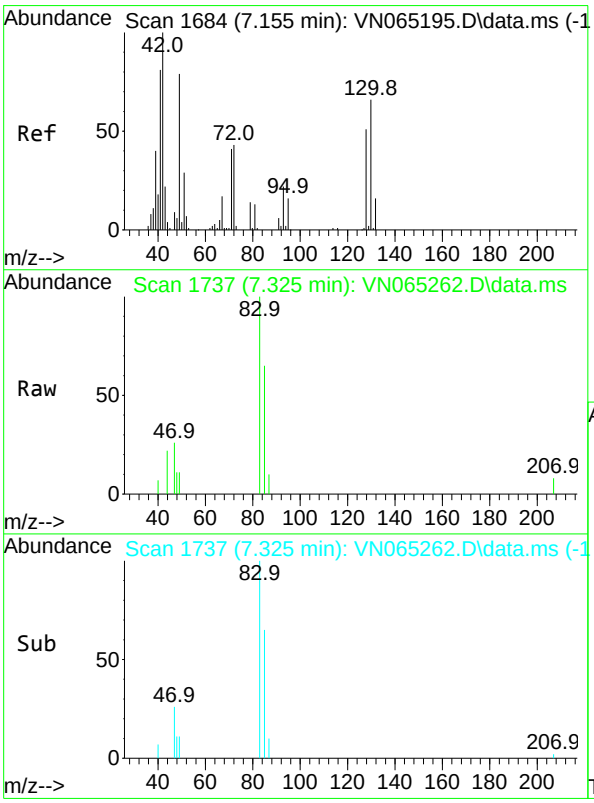



#27
cis-1,2-Dichloroethene
Concen: 2.21 ug/l
RT: 6.785 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 96 Resp: 6086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 122.3 | 0.0 | 285.8 |
| 98 | 58.4 | 0.0 | 130.6 |

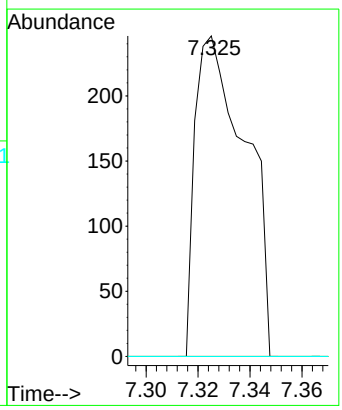



#28
Bromochloromethane
Concen: 0.81 ug/l
RT: 7.325 min Scan# 1737
Delta R.T. 0.170 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 49 Resp: 331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 0.0 | 66.2 | 99.2# |



**Instrument :**
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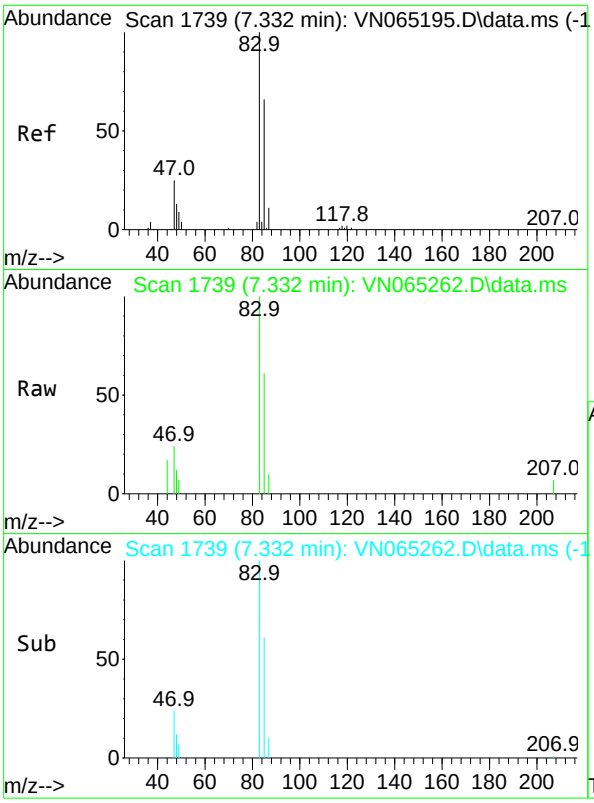
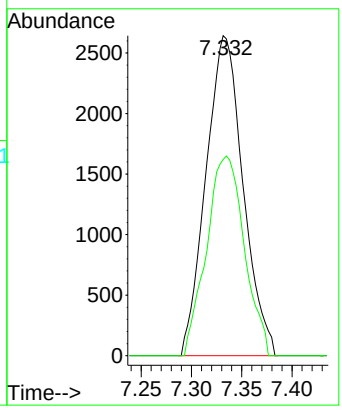
BPOW3-4-20201215

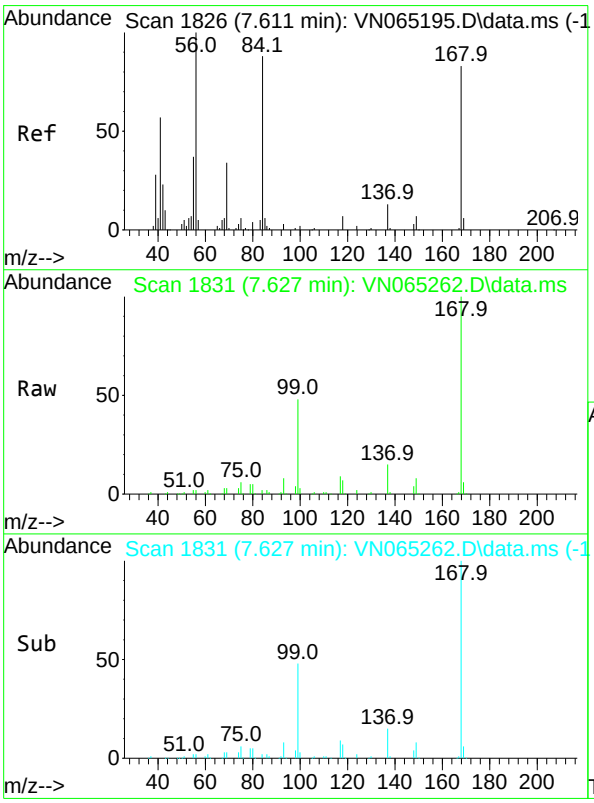



#30
Chloroform
Concen: 1.52 ug/l
RT: 7.332 min Scan# 1739
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 83 Resp: 6781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.3 | 52.6 | 78.8 |

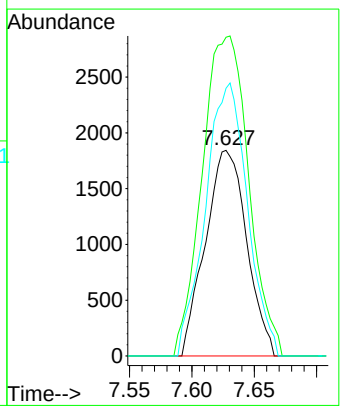


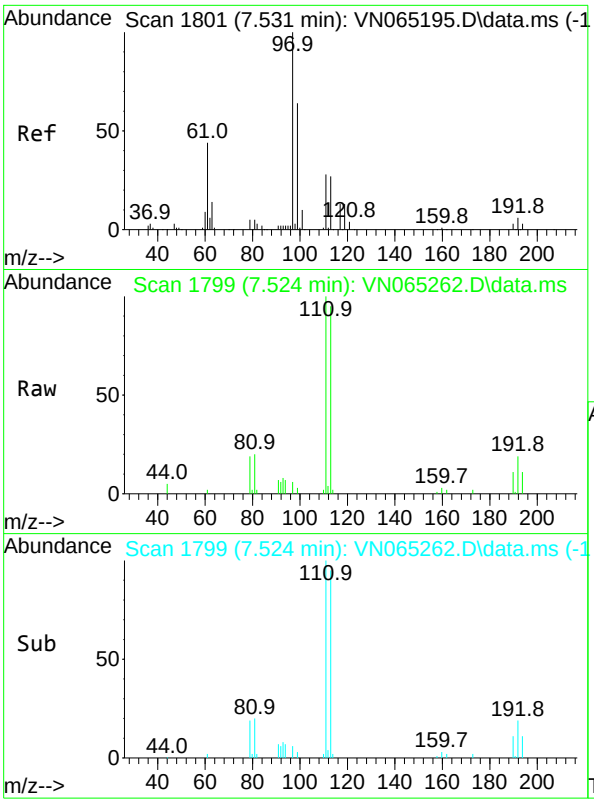

#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 56 Resp: 4256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 145.0 | 27.5 | 41.3# |
| 84 | 130.2 | 73.9 | 110.9# |



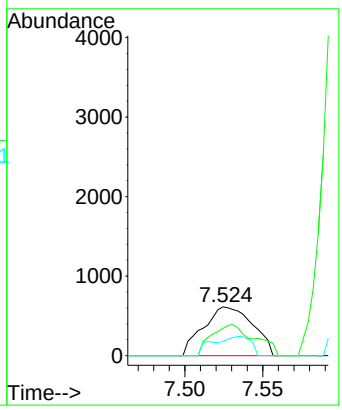
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

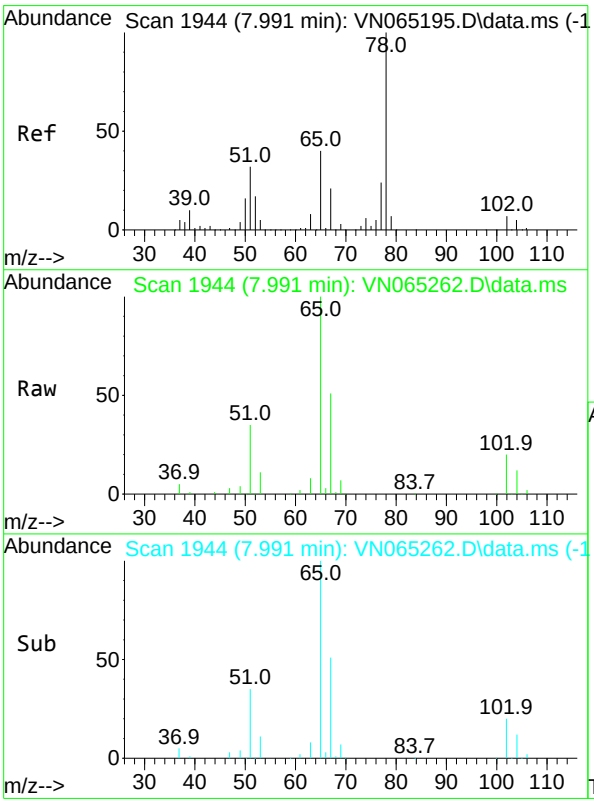



#32
1,1,1-Trichloroethane
Concen: 0.34 ug/l
RT: 7.524 min Scan# 1799
Delta R.T. -0.007 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 97 Resp: 1357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 51.7 | 77.5# |
| 61 | 20.8 | 33.9 | 50.9# |

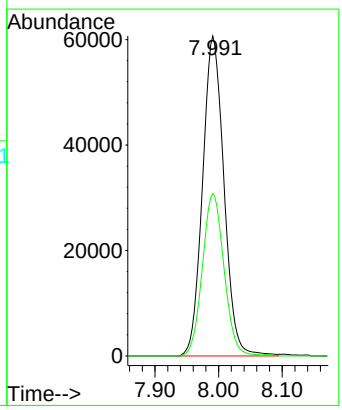


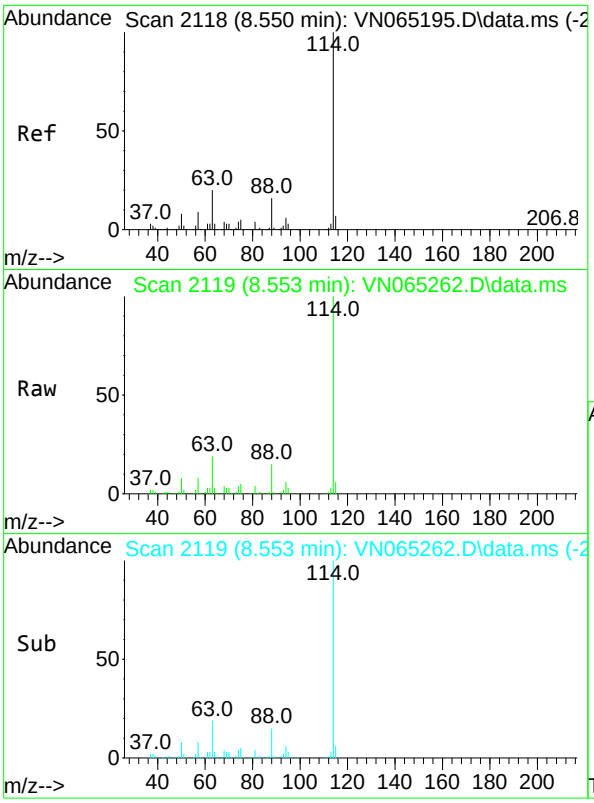




#33
1,2-Dichloroethane-d4
Concen: 51.18 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 65 Resp: 141721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 108.2 |

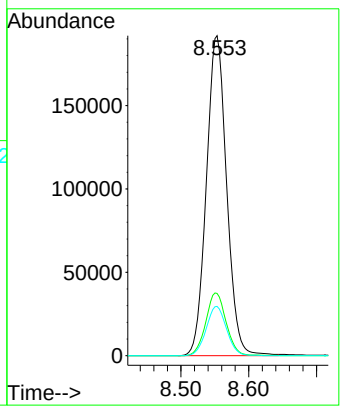




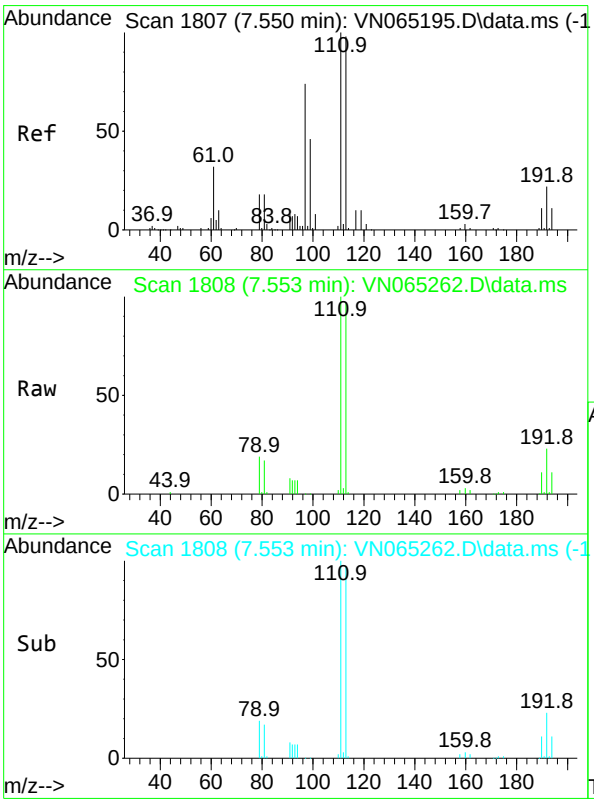

#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:114 Resp: 399280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 38.6 |
| 88 | 15.4 | 0.0 | 32.6 |



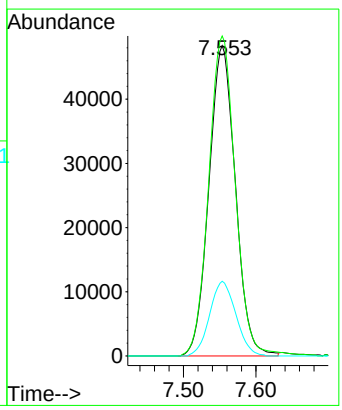

**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215



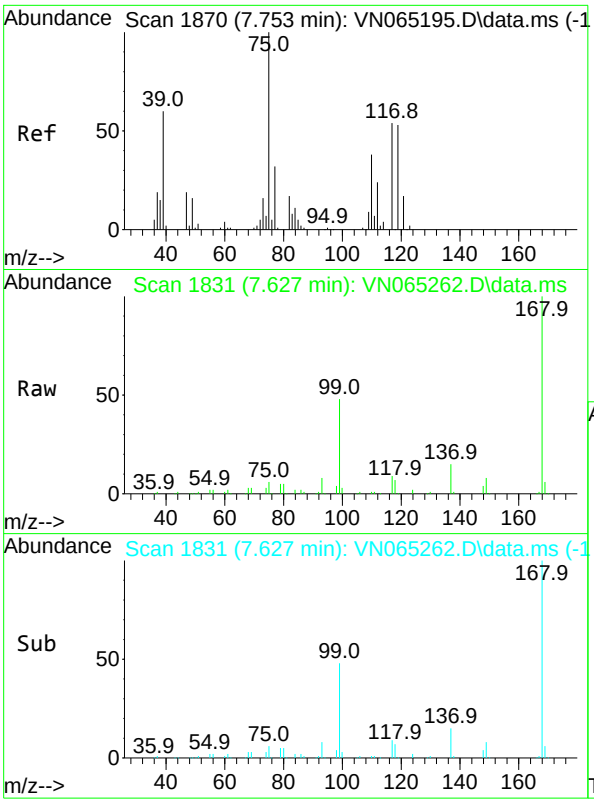

#35
Dibromofluoromethane
Concen: 50.88 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:113 Resp: 122565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.0 | 81.6 | 122.4 |
| 192 | 23.9 | 16.2 | 24.2 |



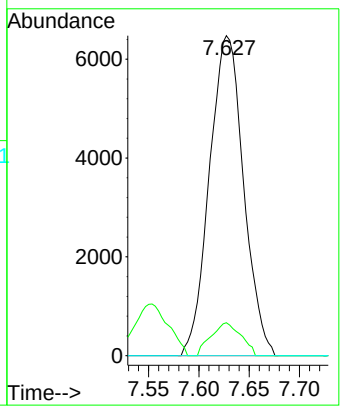
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

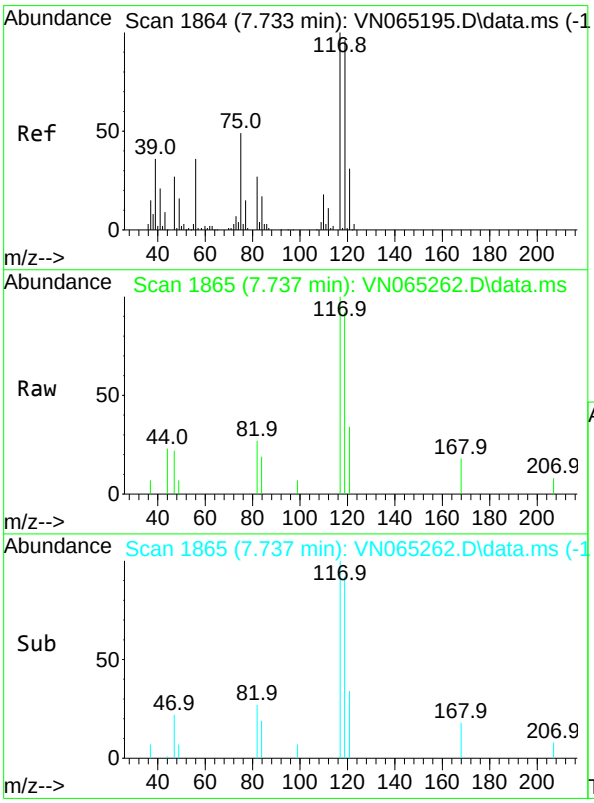



#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 75 Resp: 15312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.0 | 17.8 | 53.3# |
| 77 | 0.0 | 25.0 | 37.4# |

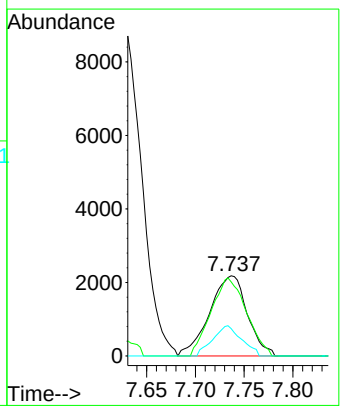


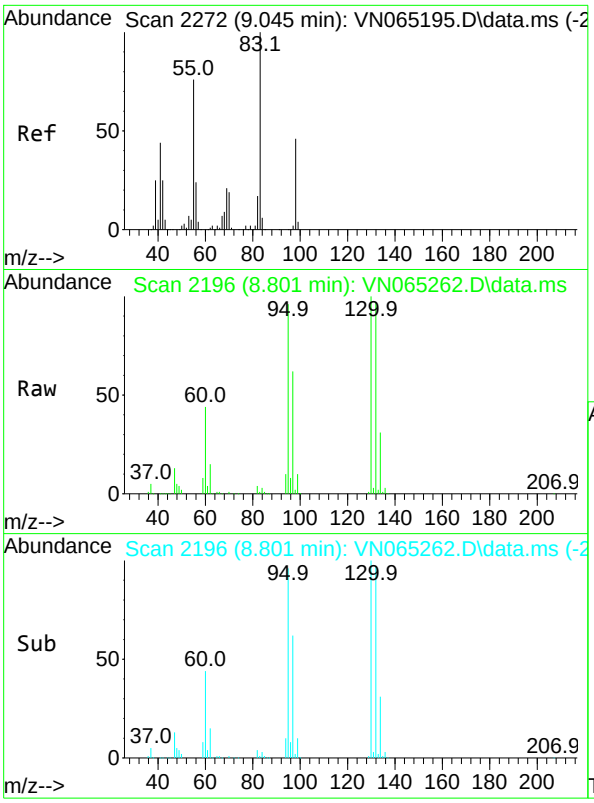

#38
Carbon Tetrachloride
Concen: 1.54 ug/l
RT: 7.737 min Scan# 1865
Delta R.T. 0.004 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:117 Resp: 5879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.5 | 76.7 | 115.1 |
| 121 | 34.1 | 25.4 | 38.2 |



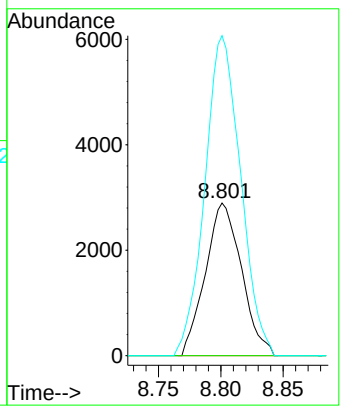
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

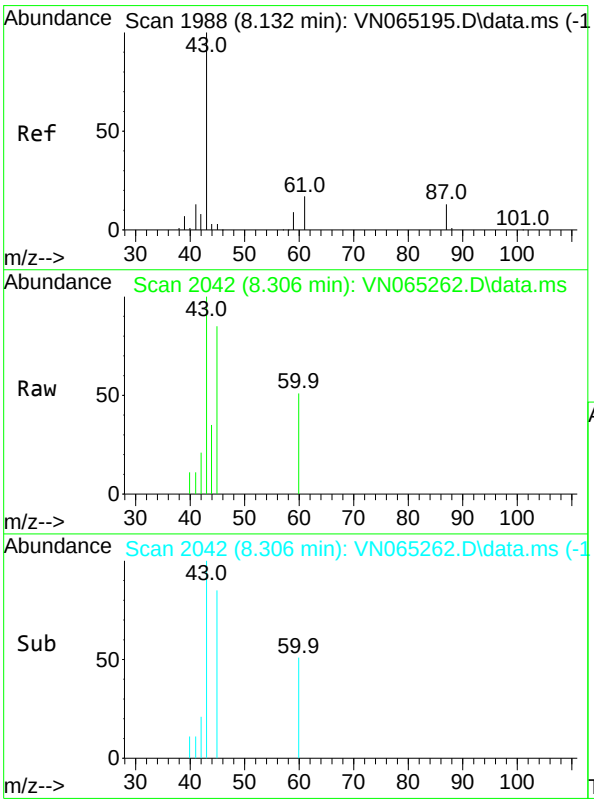



#39
Methylcyclohexane
Concen: 1.34 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.244 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 83 Resp: 5854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 60.2 | 90.2# |
| 98 | 209.6 | 37.4 | 56.2# |

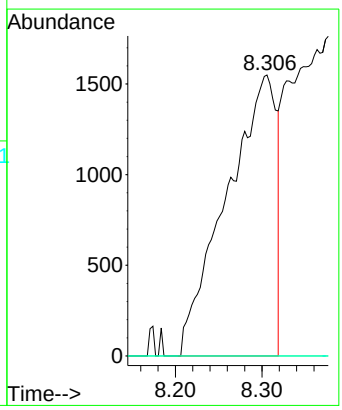


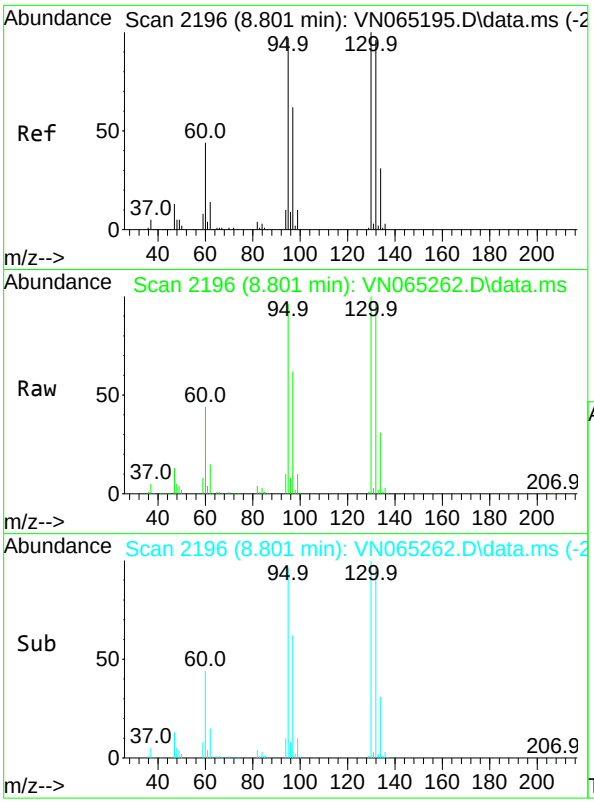

#43
Isopropyl Acetate
Concen: 1.00 ug/l
RT: 8.306 min Scan# 2042
Delta R.T. 0.174 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 43 Resp: 6205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 17.2 | 25.8# |
| 87 | 0.0 | 11.4 | 17.0# |



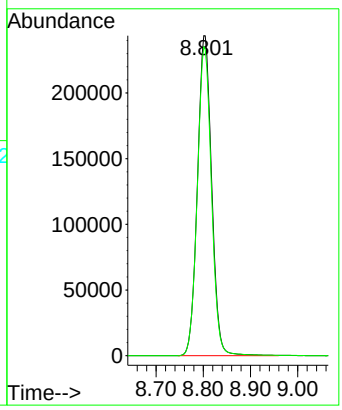
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

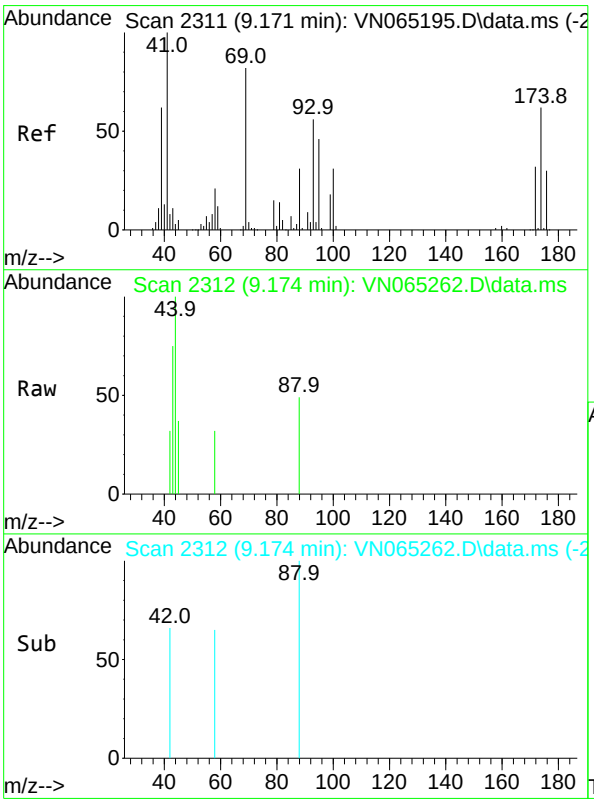



#44
Trichloroethene
Concen: 163.03 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:130 Resp: 508255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.4 | 0.0 | 197.8 |

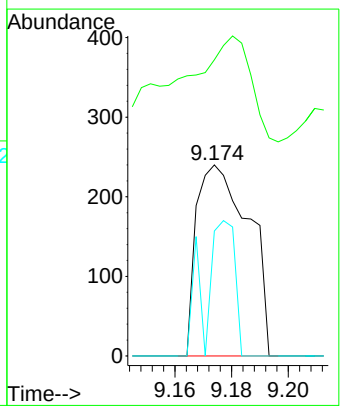


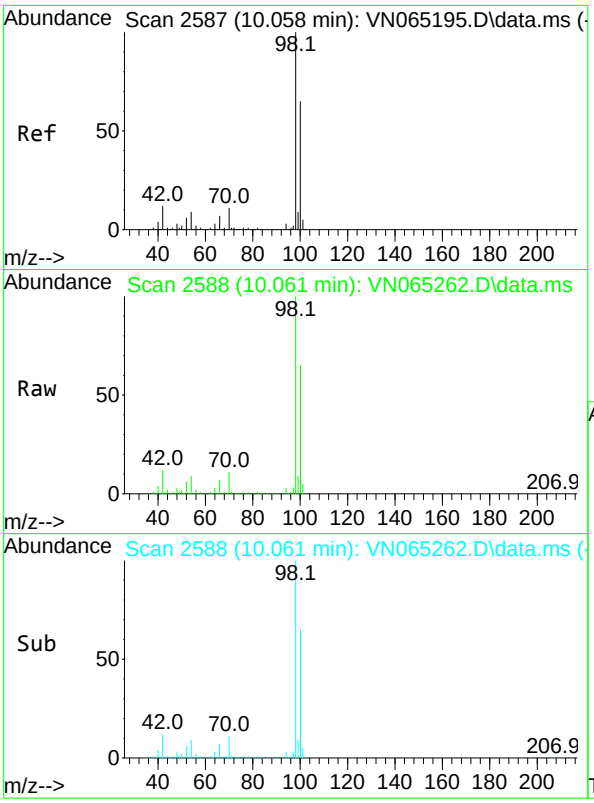

#49
1,4-Dioxane
Concen: 6.27 ug/l
RT: 9.174 min Scan# 2312
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 88 Resp: 306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 76.8 | 24.2 | 36.4# |
| 58 | 40.2 | 52.5 | 78.7# |



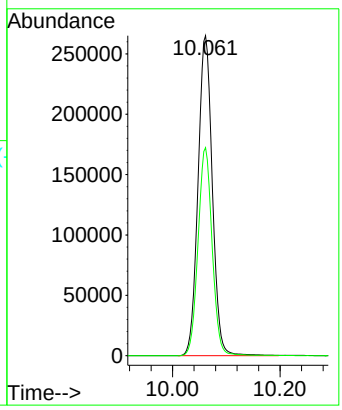
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

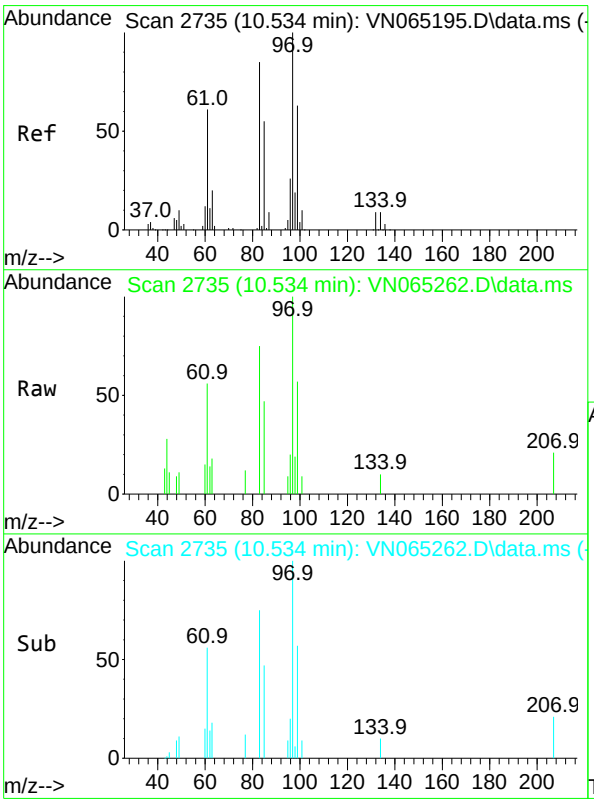



#50
Toluene-d8
Concen: 54.21 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 98 Resp: 489389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.7 | 77.5 |

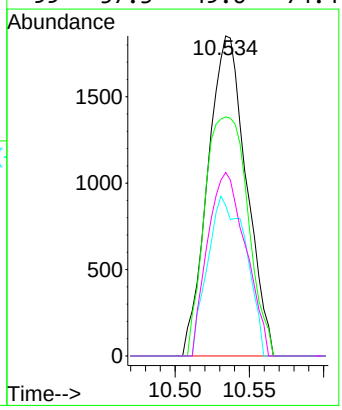


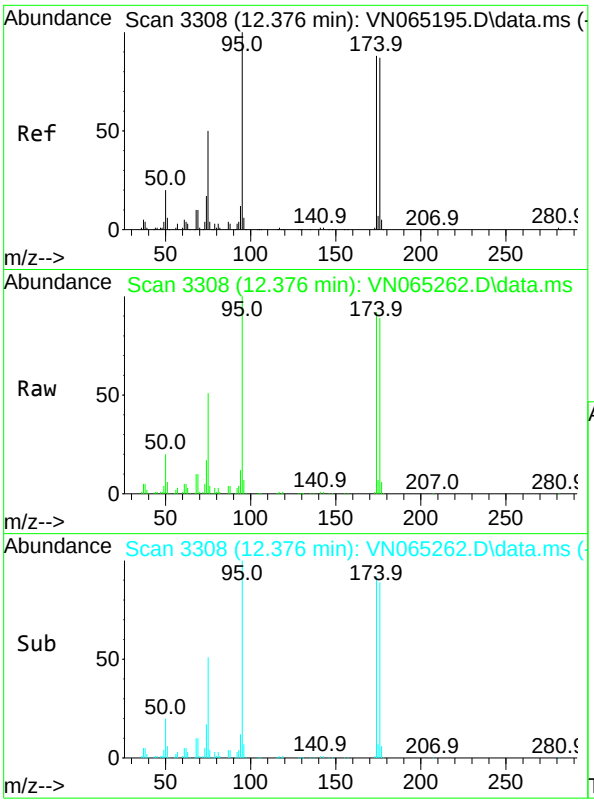

#55
1,1,2-Trichloroethane
Concen: 1.24 ug/l
RT: 10.534 min Scan# 2735
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 97 Resp: 3334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 74.7 | 72.1 | 108.1 |
| 85 | 46.9 | 46.8 | 70.2 |
| 99 | 57.3 | 49.6 | 74.4 |



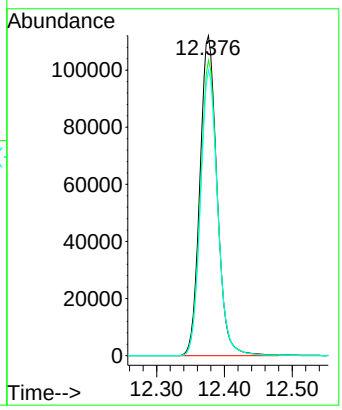
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

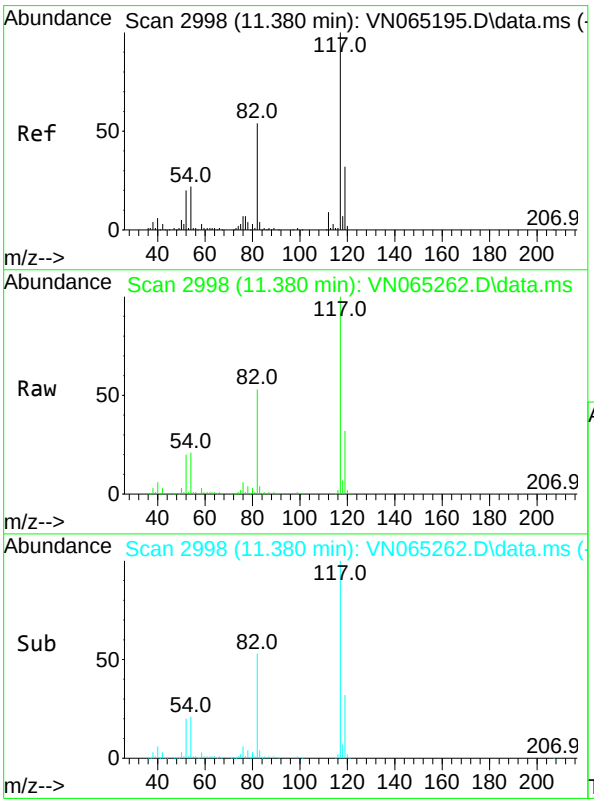



#62
4-Bromofluorobenzene
Concen: 54.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 95 Resp: 196983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.3 | 0.0 | 160.4 |
| 176 | 89.1 | 0.0 | 158.4 |

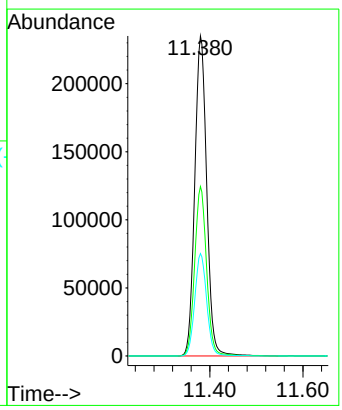


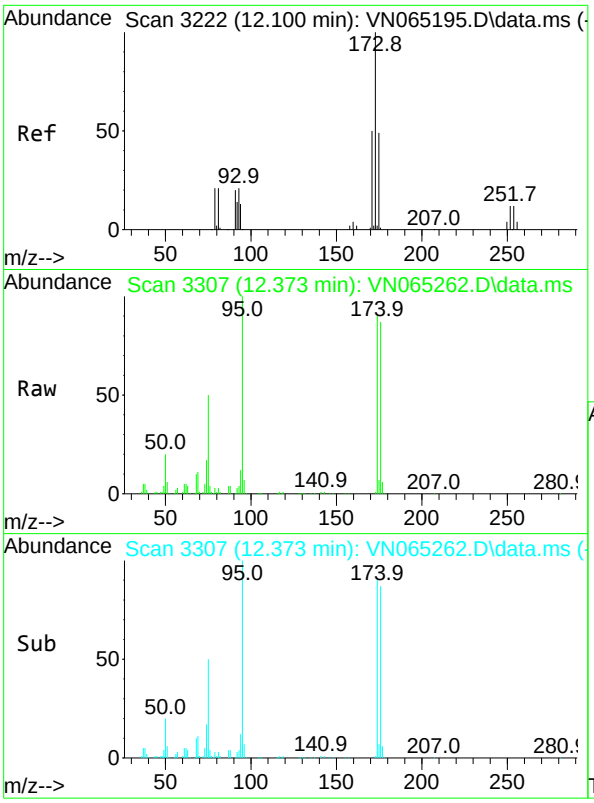

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:117 Resp: 417993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 44.2 | 66.2 |
| 119 | 32.0 | 25.8 | 38.6 |



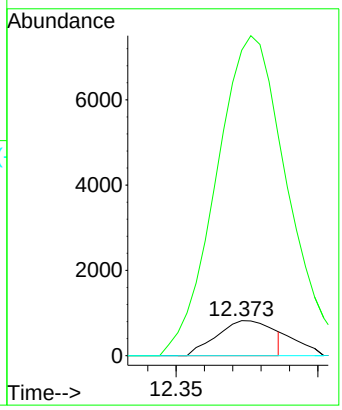
**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

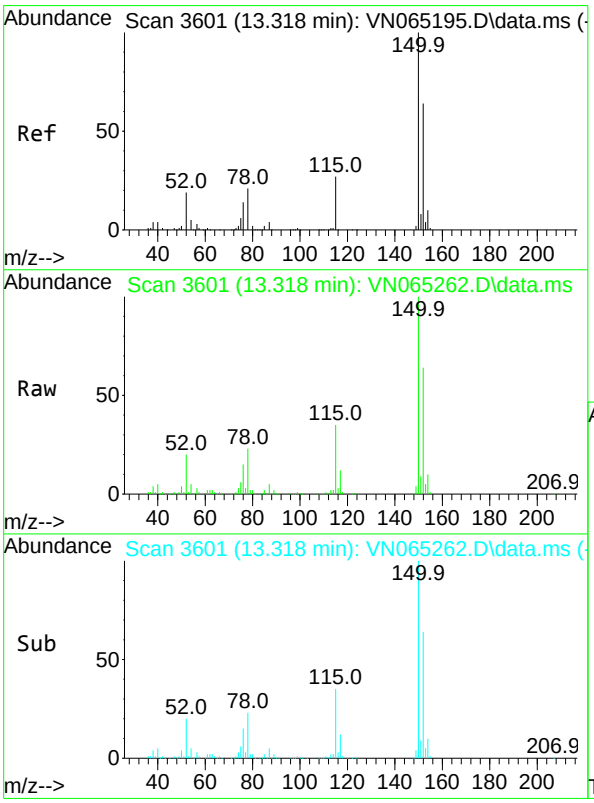



#71
Bromoform
Concen: 0.40 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:173 Resp: 1126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 948.8 | 24.3 | 72.8# |
| 254 | 0.0 | 0.0 | 0.0 |

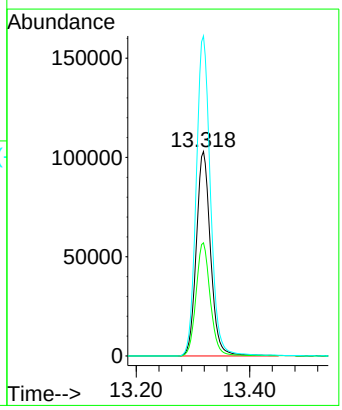


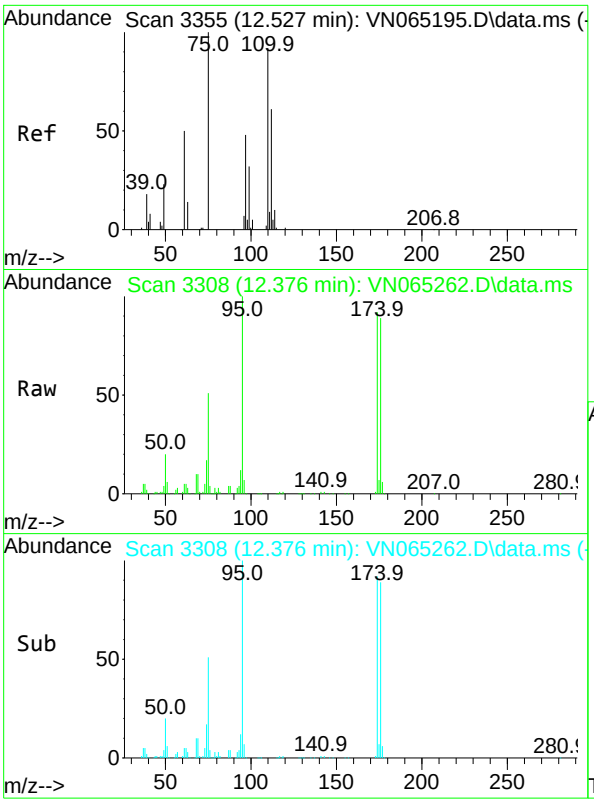




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:152 Resp: 179673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.1 | 29.7 | 89.1 |
| 150 | 155.9 | 0.0 | 350.6 |

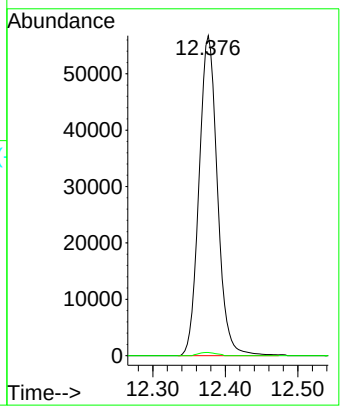




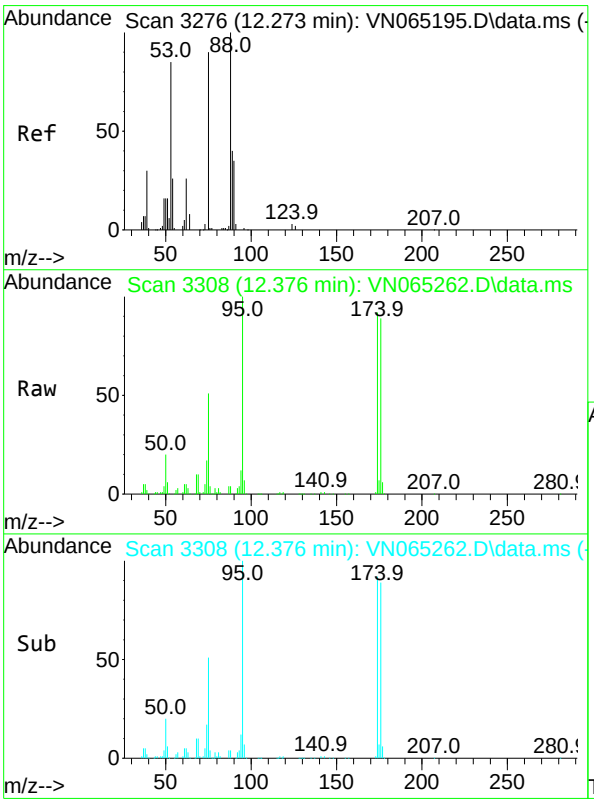

#76
1,2,3-Trichloropropane
Concen: 27.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 75 Resp: 100131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.0 | 0.0 | 0.0# |



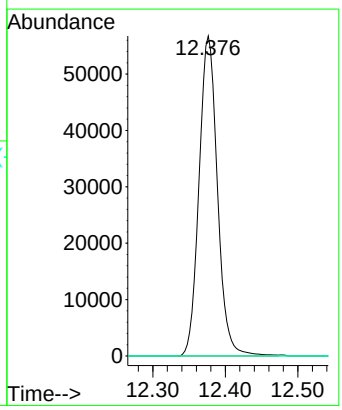

**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215

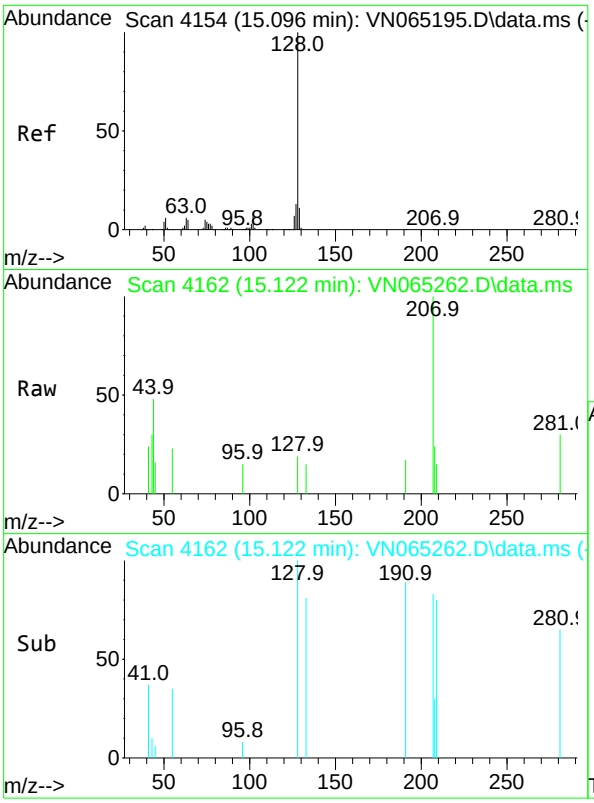



#81
trans-1,4-Dichloro-2-butene
Concen: 68.88 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 75 Resp: 100131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 67.0 | 100.4# |
| 89 | 0.0 | 39.6 | 59.4# |

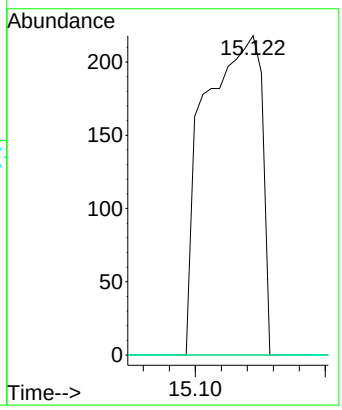





#95
Naphthalene
Concen: 3.41 ug/l
RT: 15.122 min Scan# 4162
Delta R.T. 0.026 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:128 Resp: 333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.3 | 15.5# |
| 129 | 0.0 | 8.7 | 13.1# |




**Instrument :**
MSVOA_N
**ClientSampleId :**
BPOW3-4-20201215