Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
Data File : VN065287.D
Acq On : 28 Dec 2020 15:41
Operator : JC/MD
Sample : L5218-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** MW-8

Quant Time: Dec 29 02:22:12 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

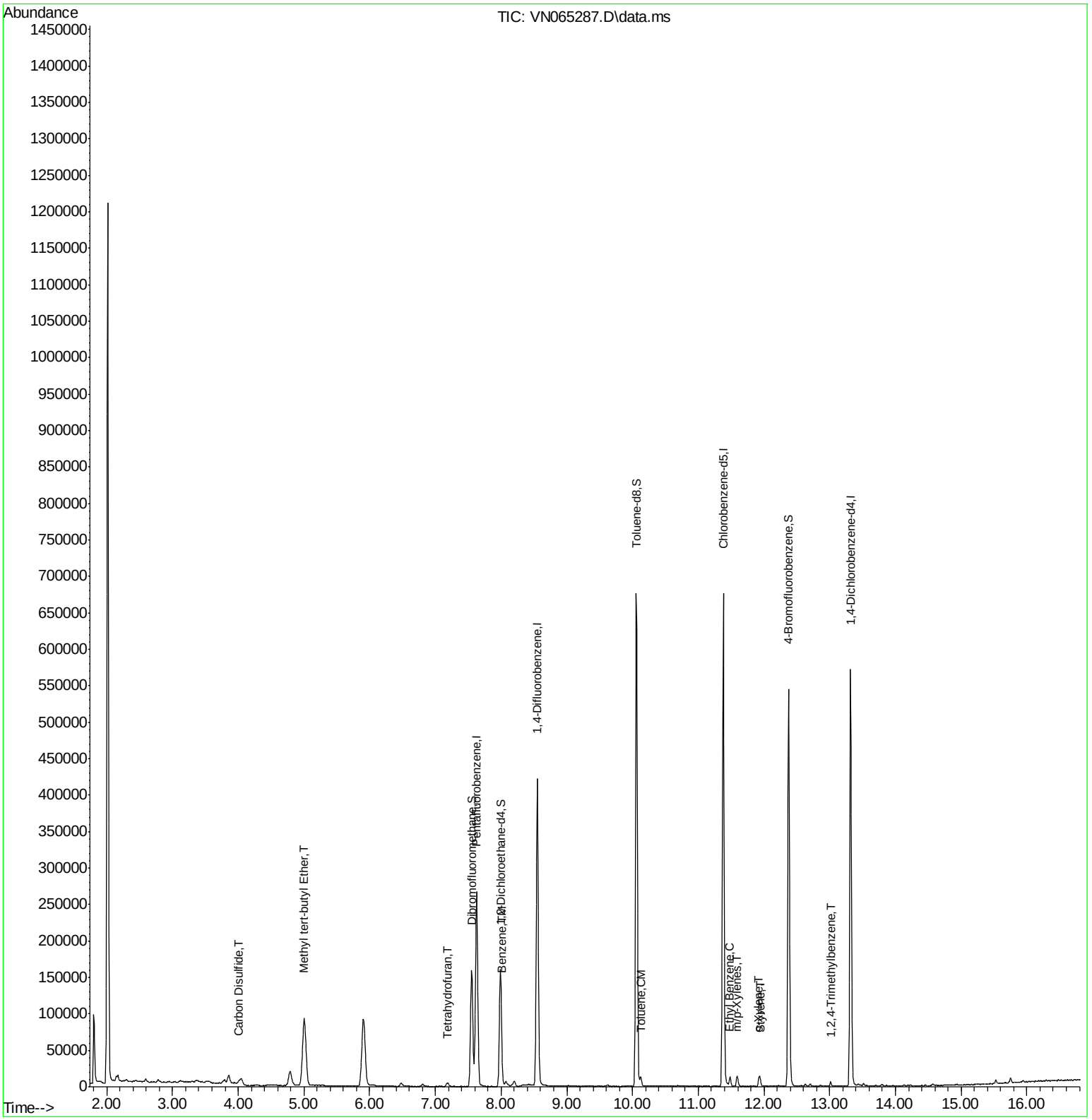
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.627 | 168 | 241700 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.550 | 114 | 395749 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.380 | 117 | 416146 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.318 | 152 | 172262 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.991 | 65 | 139512 | 51.13 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 102.26% | | | |
| 35) Dibromofluoromethane | 7.553 | 113 | 124338 | 52.08 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 104.16% | | | |
| 50) Toluene-d8 | 10.058 | 98 | 490131 | 54.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 109.54% | | | |
| 62) 4-Bromofluorobenzene | 12.376 | 95 | 192712 | 54.00 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 108.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 17) Carbon Disulfide | 4.010 | 76 | 9787 | 1.61 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 5.004 | 73 | 165289 | 21.92 | ug/l | 97 |
| 29) Tetrahydrofuran | 7.187 | 42 | 3150 | 3.18 | ug/l # | 82 |
| 40) Benzene | 8.007 | 78 | 4726 | 0.44 | ug/l | 98 |
| 52) Toluene | 10.126 | 92 | 4710 | 0.70 | ug/l | 94 |
| 67) Ethyl Benzene | 11.482 | 91 | 10020 | 0.66 | ug/l | 96 |
| 68) m/p-Xylenes | 11.592 | 106 | 4968 | 0.86 | ug/l | 98 |
| 69) o-Xylene | 11.923 | 106 | 2797 | 0.50 | ug/l | 98 |
| 70) Styrene | 11.939 | 104 | 5990 | 0.64 | ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.013 | 105 | 4118 | 0.38 | ug/l | 100 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122820\
Data File : VN065287.D
Acq On : 28 Dec 2020 15:41
Operator : JC/MD
Sample : L5218-06
Misc : 5.00mL/MSVOA_N/wATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-8

Quant Time: Dec 29 02:22:12 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



**Instrument :**
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**ClientSampleId :**
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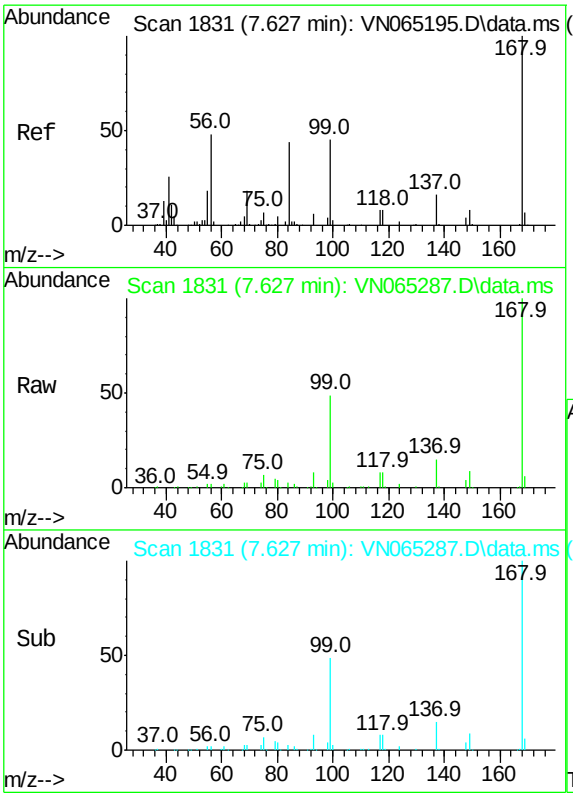
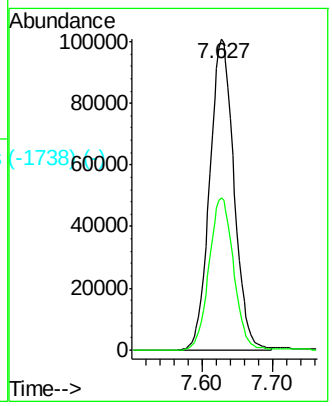
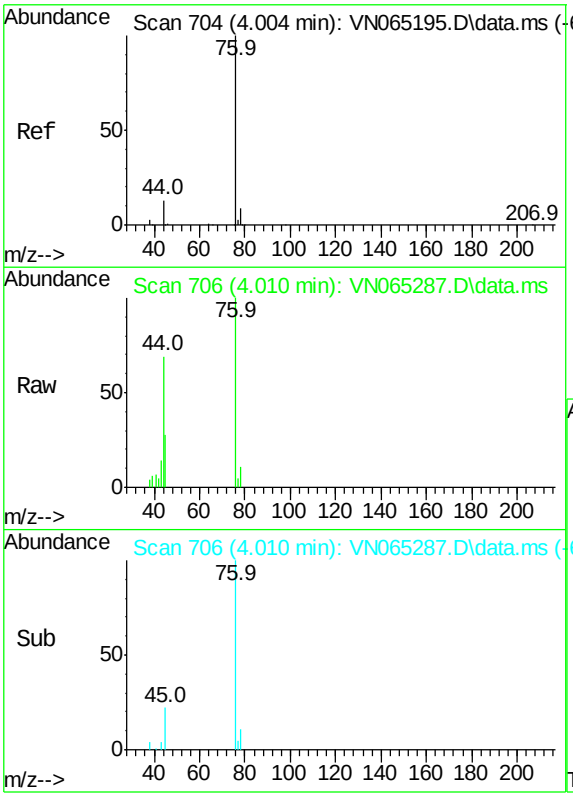



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:168 Resp: 241700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.8 | 43.0 | 64.4 |

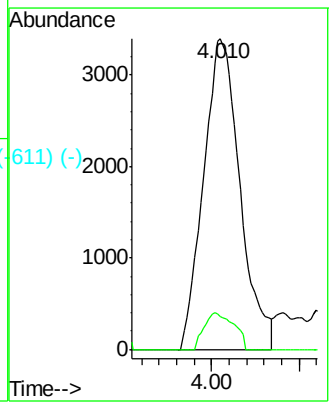



#17
Carbon Disulfide
Concen: 1.61 ug/l
RT: 4.010 min Scan# 706
Delta R.T. 0.006 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 76 Resp: 9787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.8 | 7.4 | 11.0 |



**Instrument :**
MSVOA_N
**ClientSampleId :**
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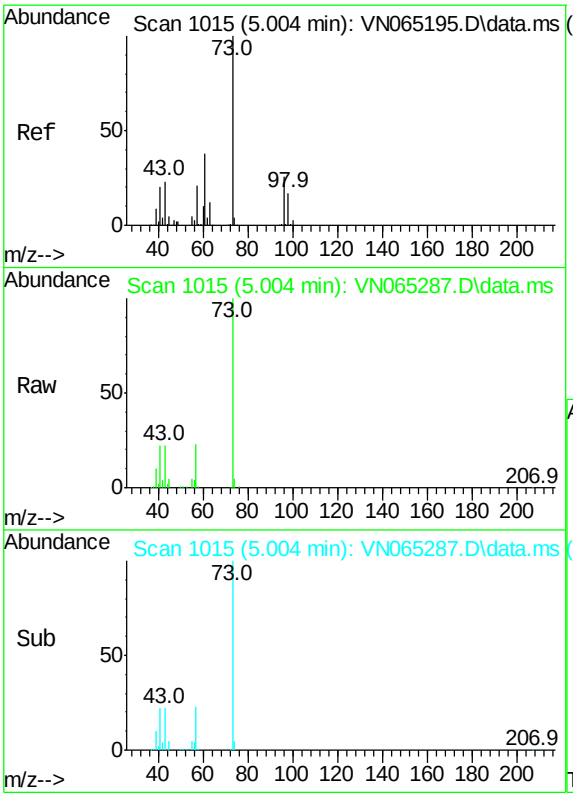
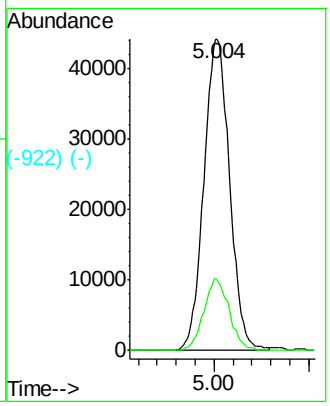
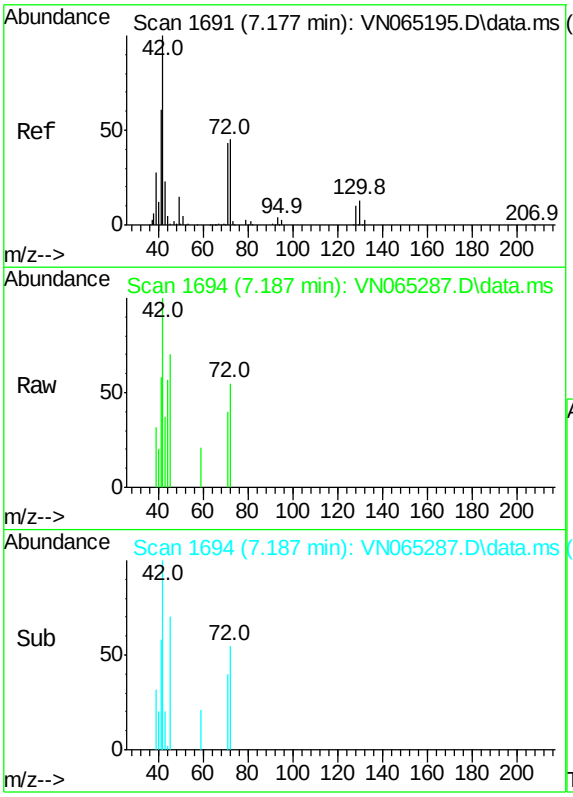



#19
Methyl tert-butyl Ether
Concen: 21.92 ug/l
RT: 5.004 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 73 Resp: 165289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.0 | 17.4 | 26.0 |

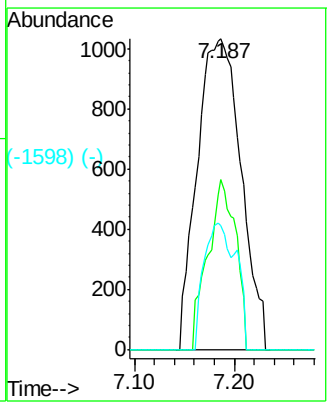


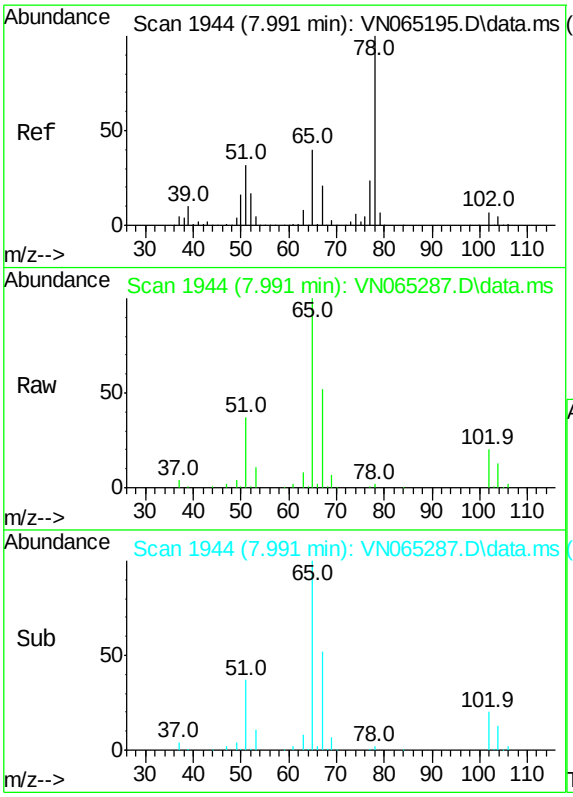

#20
Tetrahydrofuran
Concen: 3.18 ug/l
RT: 7.187 min Scan# 1694
Delta R.T. 0.010 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 42 Resp: 3150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 34.9 | 36.6 | 54.8# |
| 71 | 29.8 | 33.6 | 50.4# |



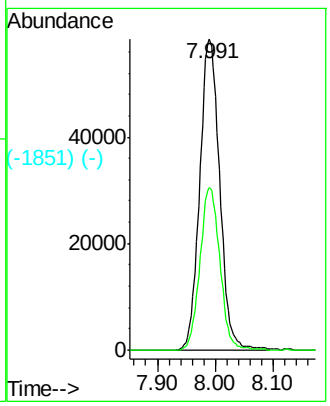
**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-8

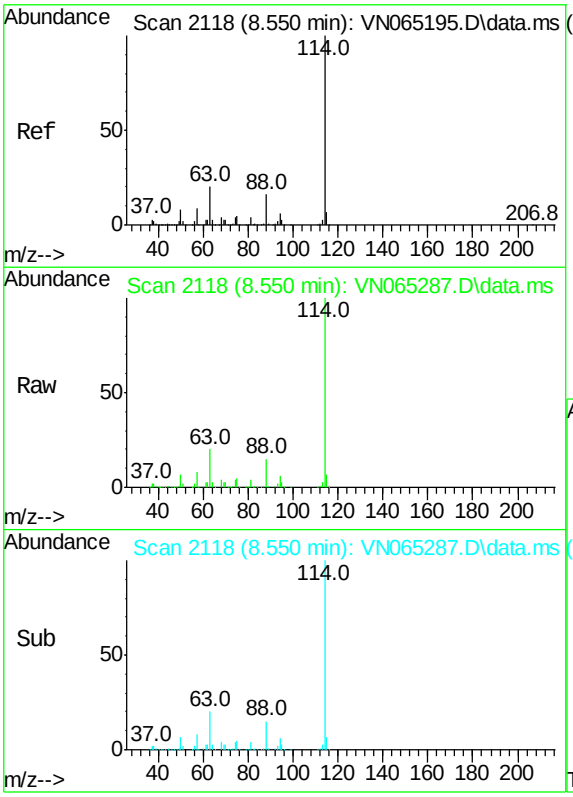



#33
1,2-Dichloroethane-d4
Concen: 51.13 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 65 Resp: 139512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 108.2 |

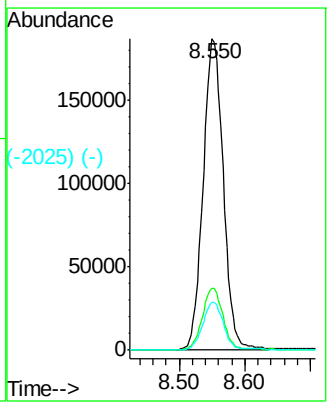



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:114 Resp: 395749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 38.6 |
| 88 | 15.3 | 0.0 | 32.6 |



**Instrument :**
MSVOA_N
**ClientSampleId :**
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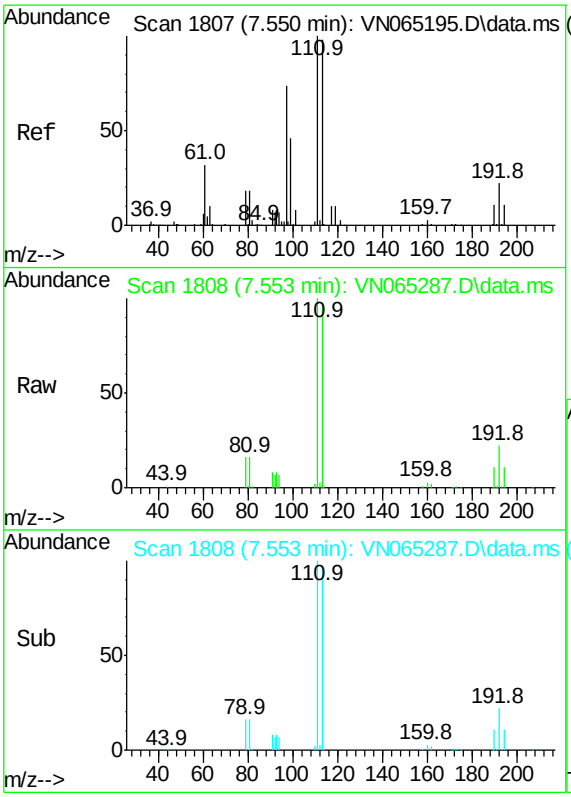
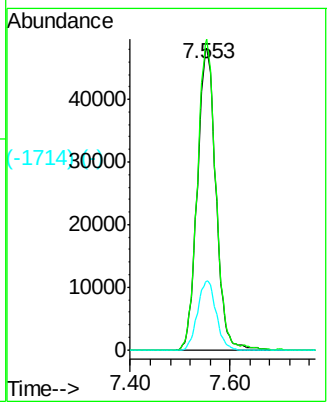
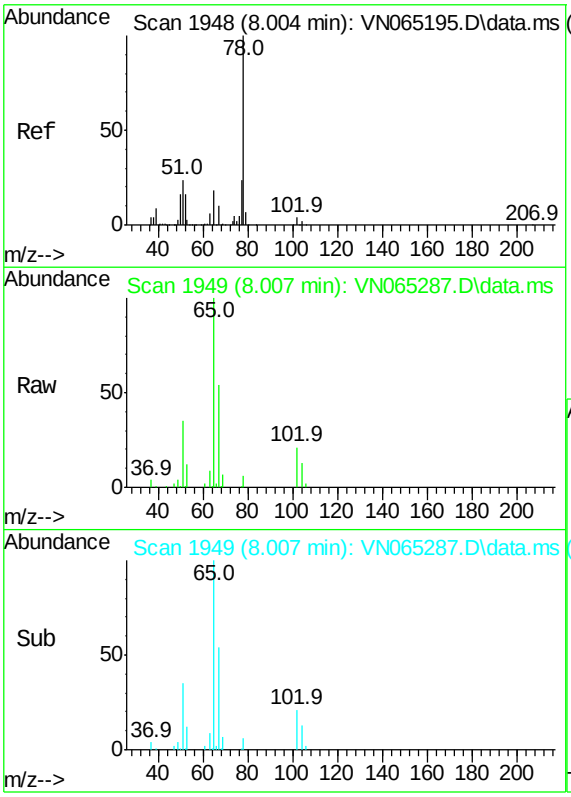



#35
Dibromofluoromethane
Concen: 52.08 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:113 Resp: 124338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.0 | 81.6 | 122.4 |
| 192 | 22.8 | 16.2 | 24.2 |

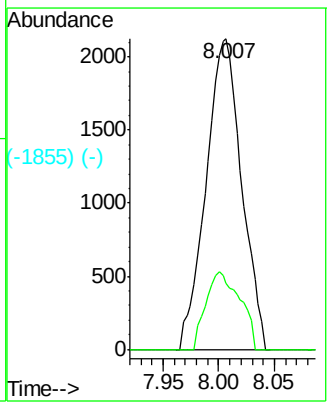



#40
Benzene
Concen: 0.44 ug/l
RT: 8.007 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 78 Resp: 4726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.3 | 17.9 | 26.9 |



**Instrument :**
MSVOA_N
**ClientSampleId :**
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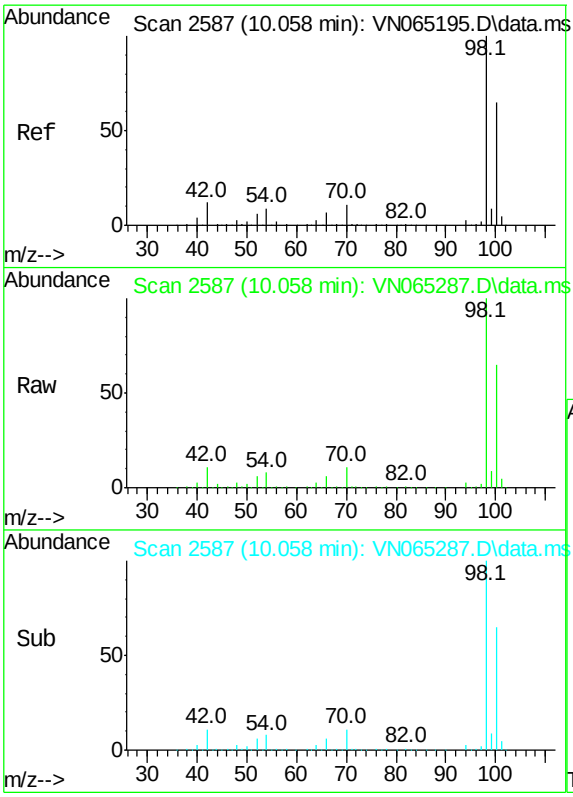
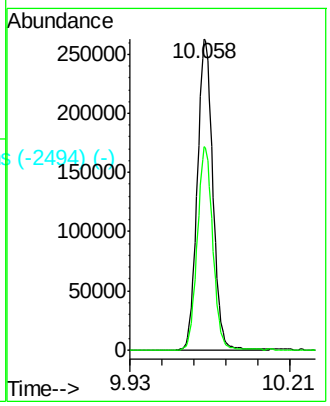
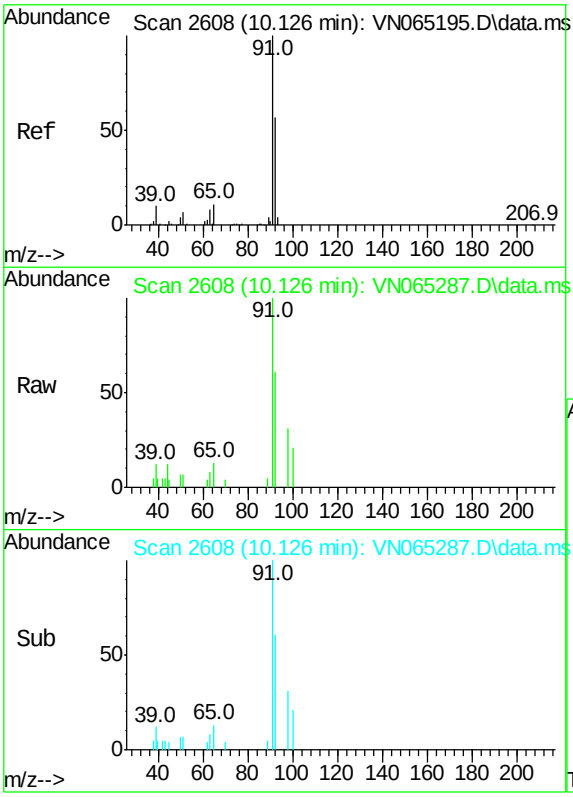



#50
Toluene-d8
Concen: 54.77 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 98 Resp: 490131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 51.7 | 77.5 |

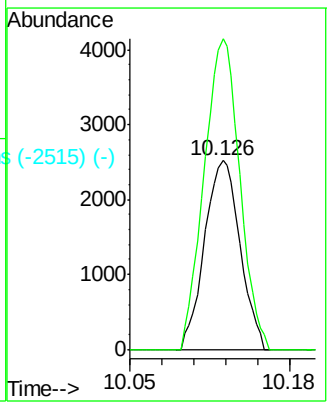


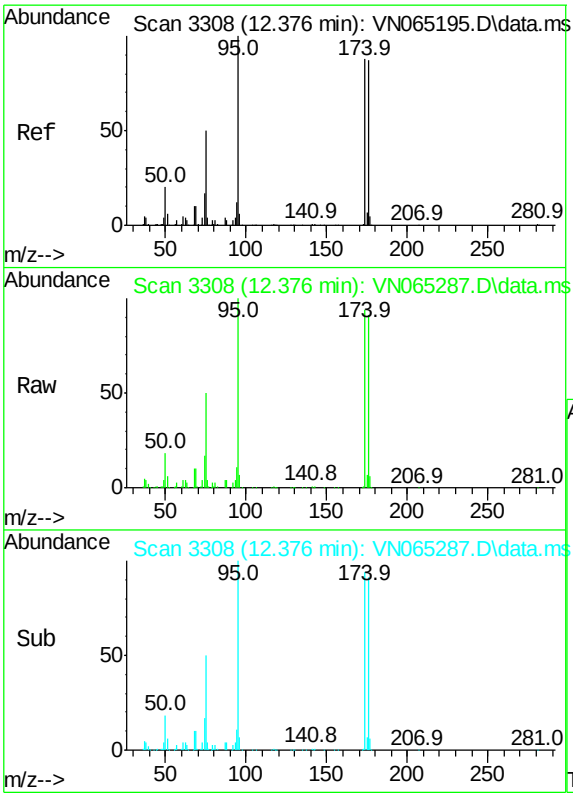




#53
Toluene
Concen: 0.70 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 92 Resp: 4710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 165.5 | 139.1 | 208.7 |

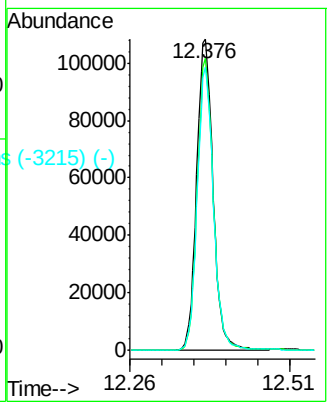





#62
4-Bromofluorobenzene
Concen: 54.00 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 95 Resp: 192712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.6 | 0.0 | 160.4 |
| 176 | 89.7 | 0.0 | 158.4 |

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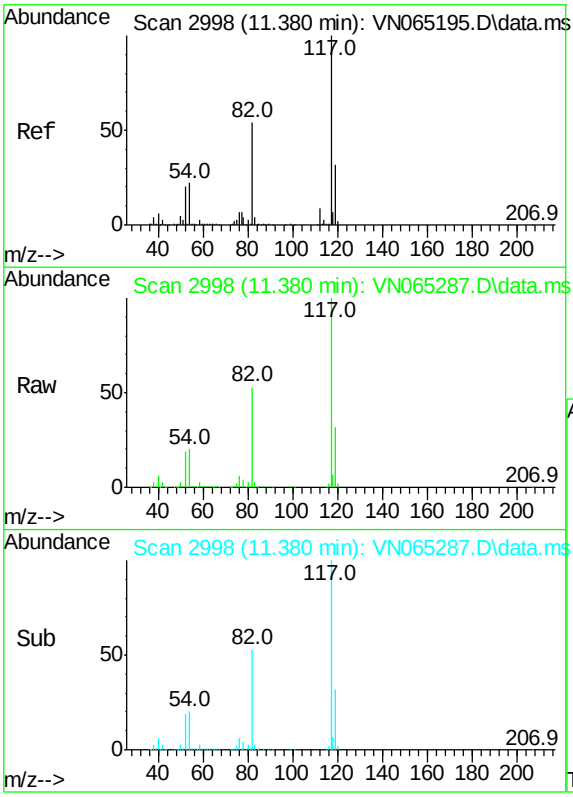
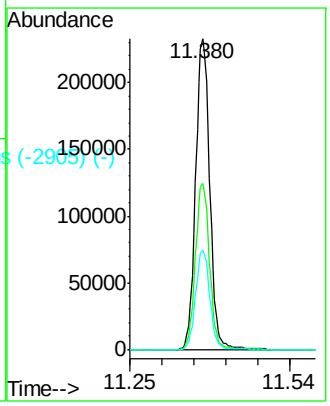



#68
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:117 Resp: 416146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.4 | 44.2 | 66.2 |
| 119 | 32.0 | 25.8 | 38.6 |



**Instrument :**
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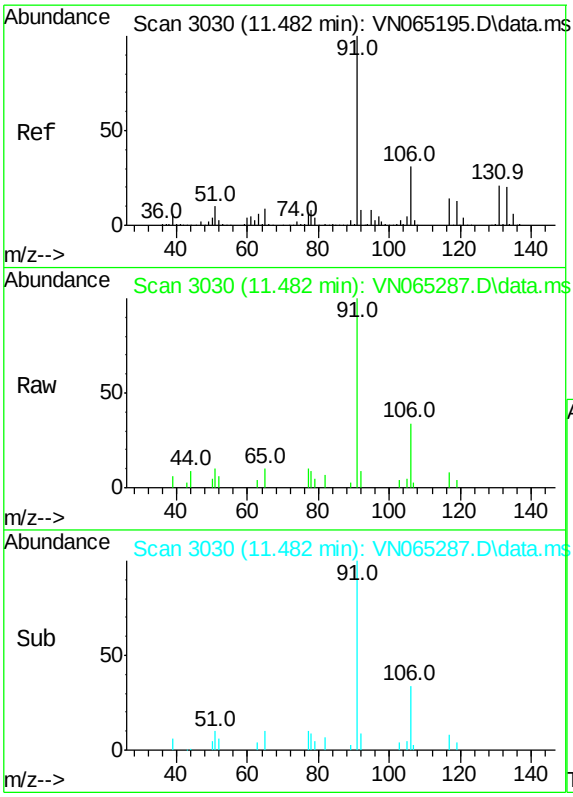
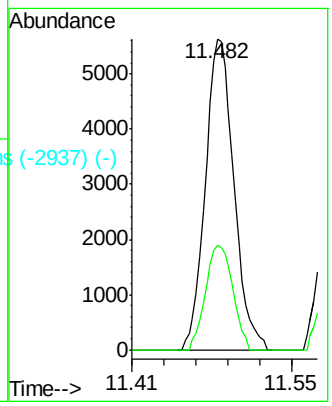
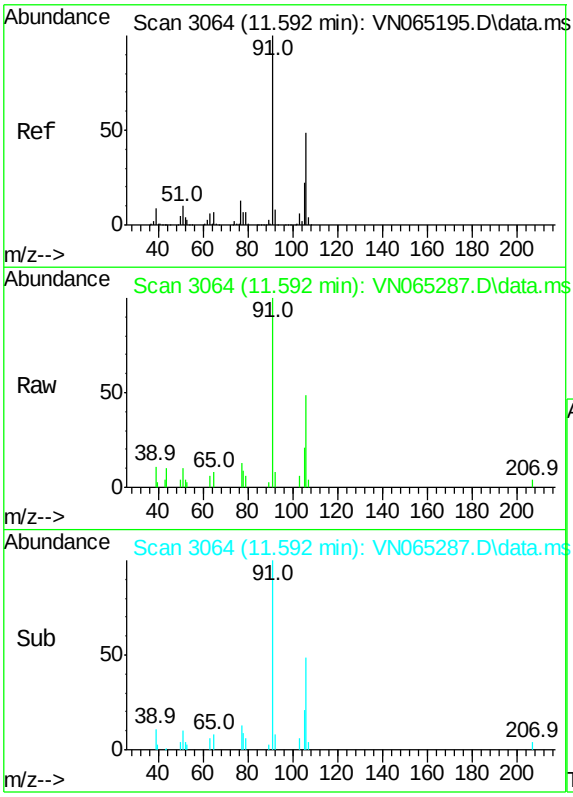



#67
Ethyl Benzene
Concen: 0.66 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion: 91 Resp: 10020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 33.6 | 25.2 | 37.8 |

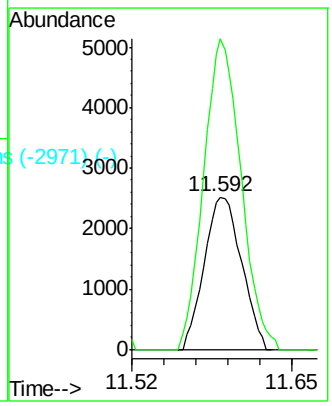



#68
m/p-Xylenes
Concen: 0.86 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:106 Resp: 4968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.8 | 161.0 | 241.4 |



**Instrument :**
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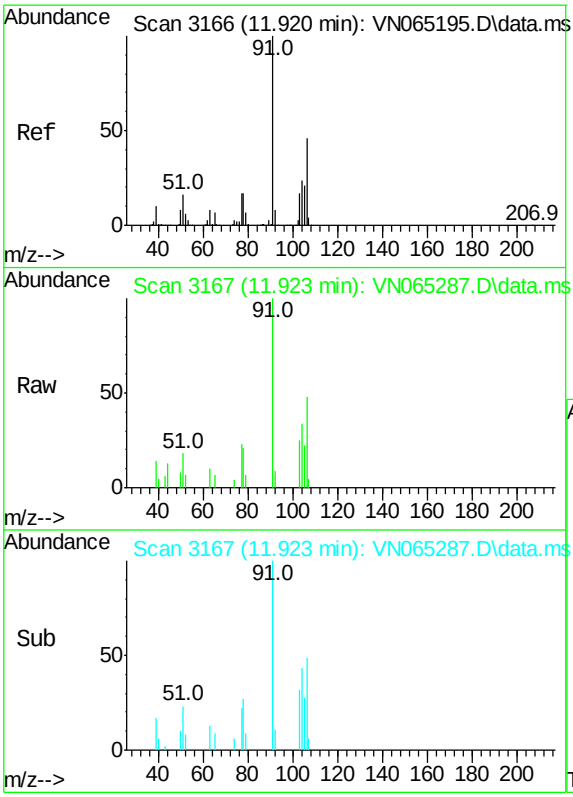
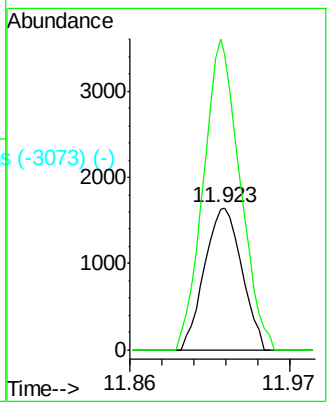
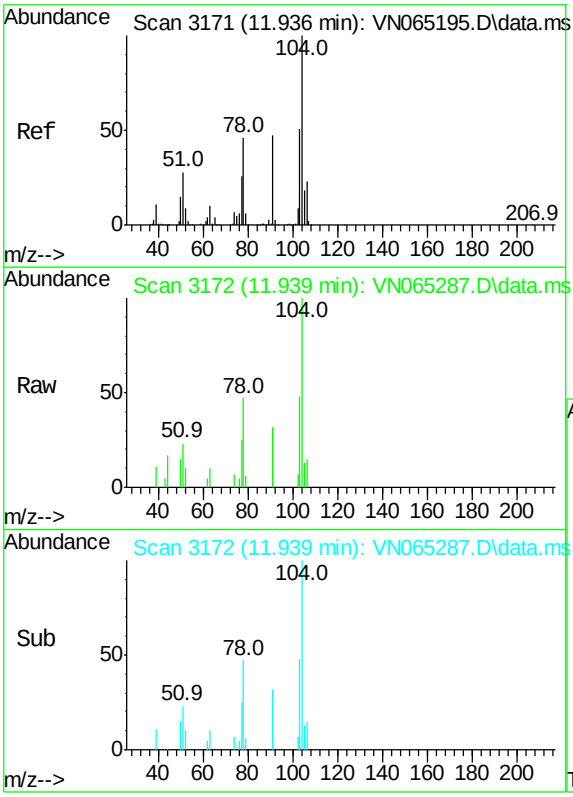



o-Xylene
Concen: 0.50 ug/l
RT: 11.923 min Scan# 3167
Delta R.T. 0.003 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:106 Resp: 2797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.7 | 105.5 | 316.5 |

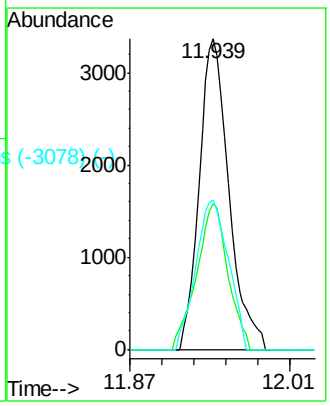


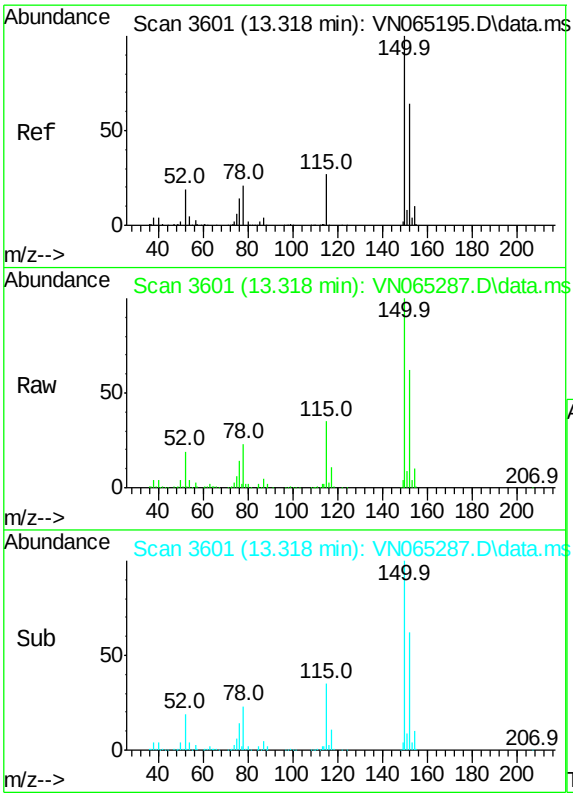




Styrene
Concen: 0.64 ug/l
RT: 11.939 min Scan# 3172
Delta R.T. 0.003 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:104 Resp: 5990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.5 | 39.0 | 58.6 |
| 103 | 53.1 | 44.3 | 66.5 |

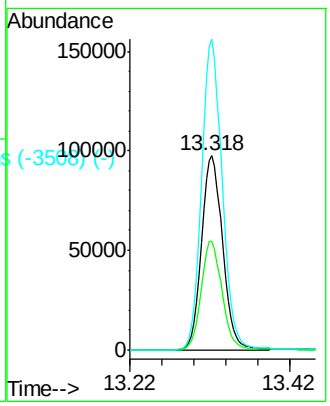




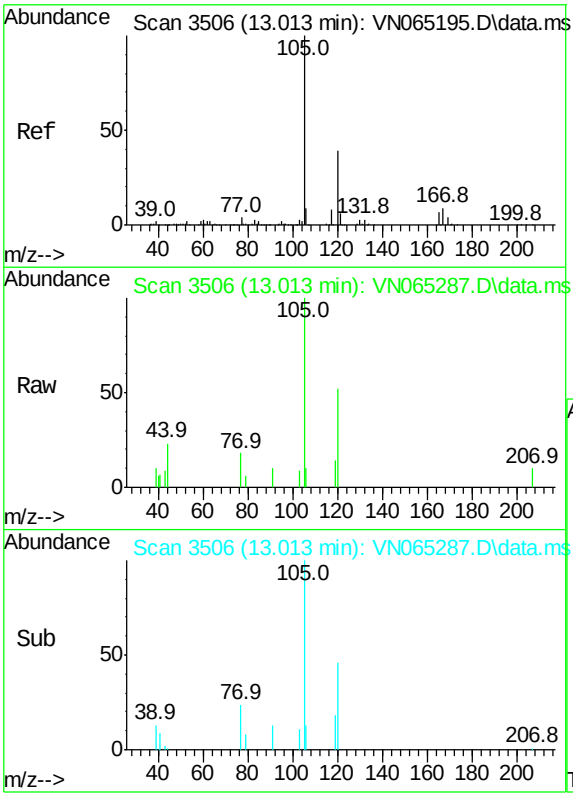

#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:152 Resp: 172262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.3 | 29.7 | 89.1 |
| 150 | 157.2 | 0.0 | 350.6 |




**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-8




#84
1,2,4-Trimethylbenzene
Concen: 0.38 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. -0.000 min
Lab File: VN065287.D
Acq: 28 Dec 2020 15:41

Tgt Ion:105 Resp: 4118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 23.1 | 69.2 |