Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
Data File : VN086135.D
Acq On : 26 Mar 2025 18:48
Operator : JC\MD
Sample : Q1643-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Quant Time: Mar 27 01:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

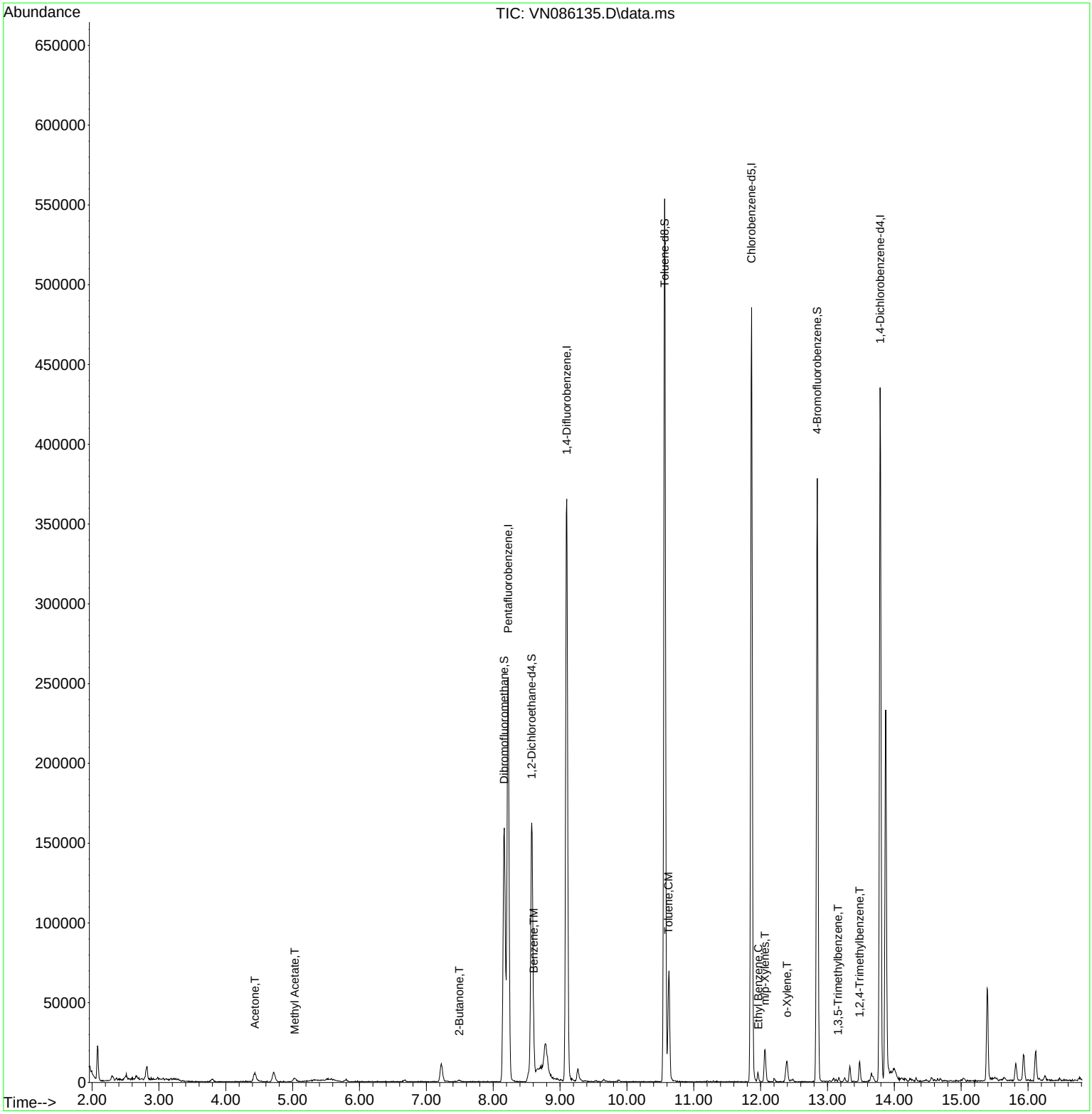
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.224 | 168 | 180896 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.100 | 114 | 333332 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.865 | 117 | 285139 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152 | 122959 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.577 | 65 | 132762 | 53.596 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 107.200% | | | |
| 35) Dibromofluoromethane | 8.165 | 113 | 114773 | 49.330 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.660% | | | |
| 50) Toluene-d8 | 10.565 | 98 | 395512 | 46.839 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 93.680% | | | |
| 62) 4-Bromofluorobenzene | 12.847 | 95 | 134478 | 44.657 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 89.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 4.436 | 43 | 11153 | 14.738 | ug/l | 98 |
| 18) Methyl Acetate | 5.030 | 43 | 4722 | 2.522 | ug/l # | 73 |
| 25) 2-Butanone | 7.494 | 43 | 1713 | 1.569 | ug/l | 95 |
| 40) Benzene | 8.606 | 78 | 16941 | 1.762 | ug/l | 99 |
| 52) Toluene | 10.624 | 92 | 30908 | 5.236 | ug/l | 98 |
| 67) Ethyl Benzene | 11.965 | 91 | 4293 | 0.411 | ug/l # | 87 |
| 68) m/p-Xylenes | 12.065 | 106 | 6960 | 1.697 | ug/l | 97 |
| 69) o-Xylene | 12.394 | 106 | 3309 | 0.879 | ug/l | 95 |
| 80) 1,3,5-Trimethylbenzene | 13.159 | 105 | 1469 | 0.207 | ug/l | 93 |
| 84) 1,2,4-Trimethylbenzene | 13.482 | 105 | 5524 | 0.773 | ug/l | 94 |

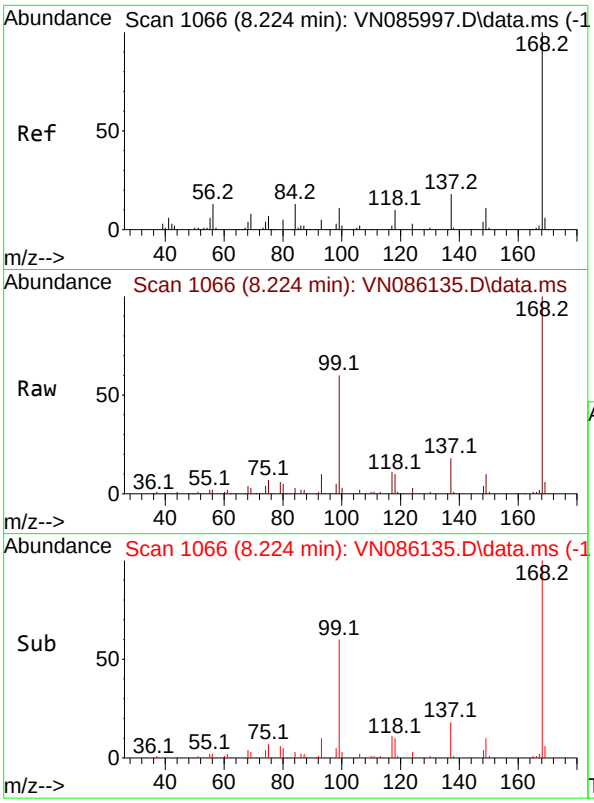
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
Data File : VN086135.D
Acq On : 26 Mar 2025 18:48
Operator : JC\MD
Sample : Q1643-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Quant Time: Mar 27 01:44:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



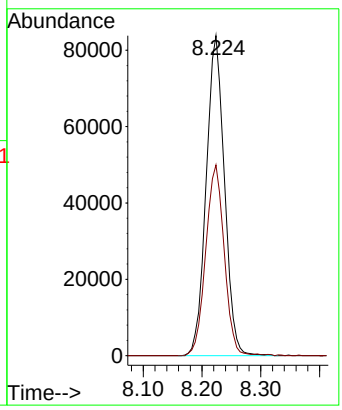


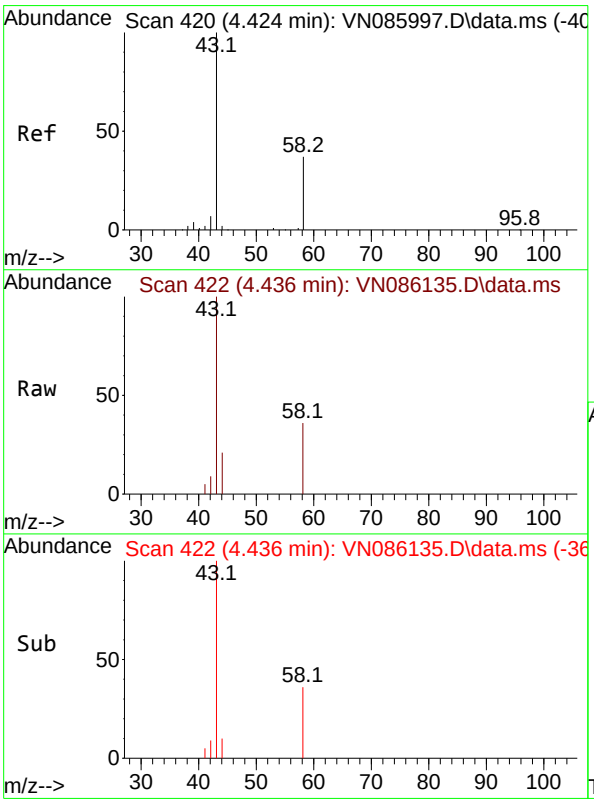

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion:168 Resp: 180896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 49.4 | 74.2 |

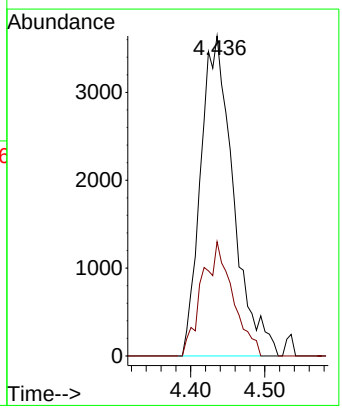


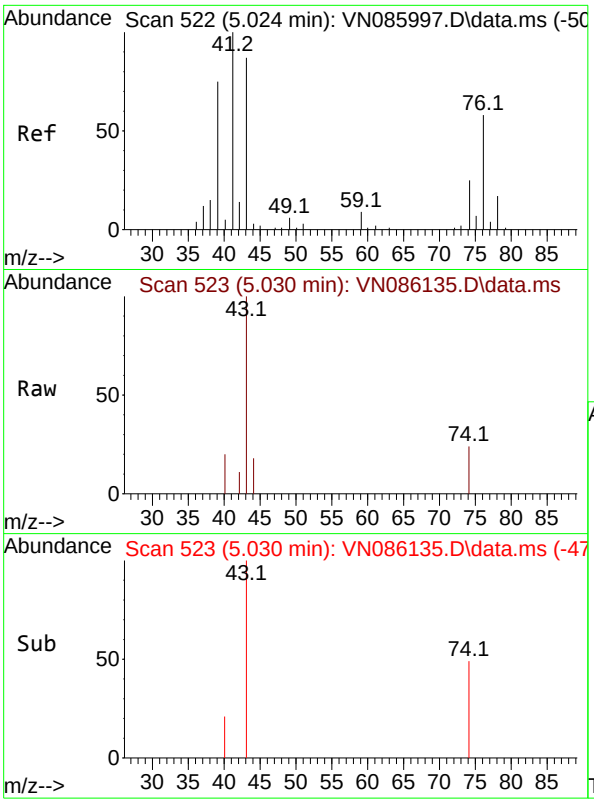




#16
Acetone
Concen: 14.738 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion: 43 Resp: 11153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.7 | 29.4 | 44.2 |



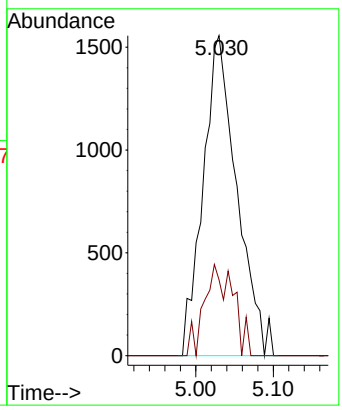


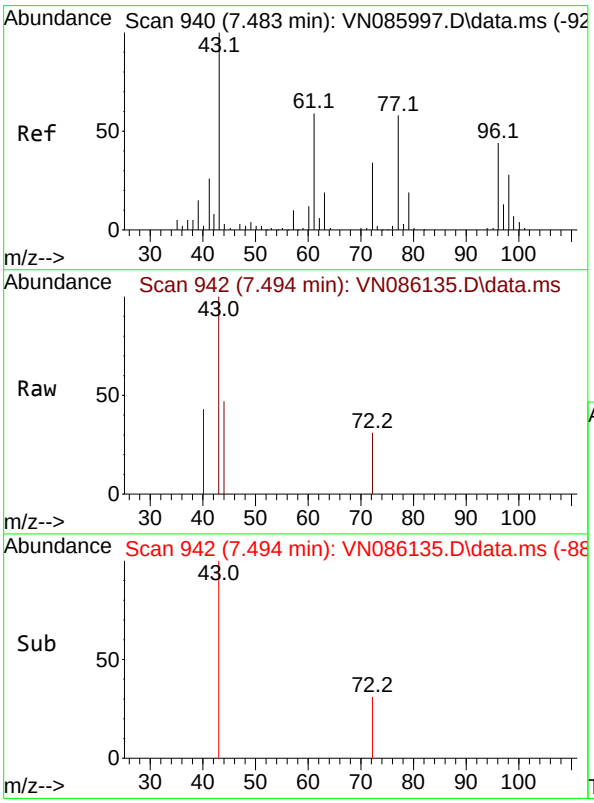

#18
Methyl Acetate
Concen: 2.522 ug/l
RT: 5.030 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion: 43 Resp: 4722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 15.5 | 23.9 | 35.9# |

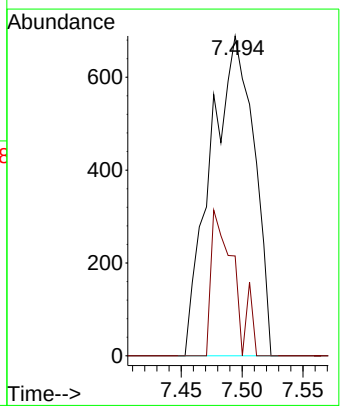


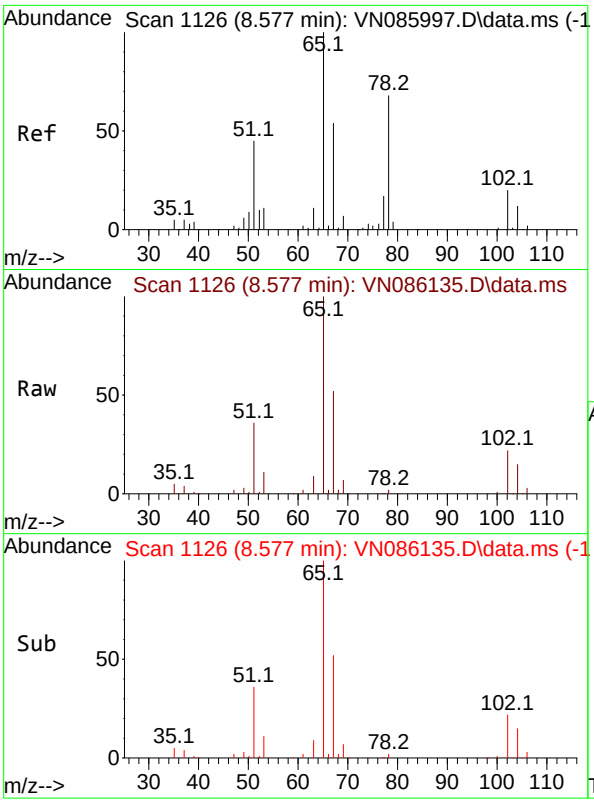




#25
2-Butanone
Concen: 1.569 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion: 43 Resp: 1713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 31.2 | 27.4 | 41.0 |



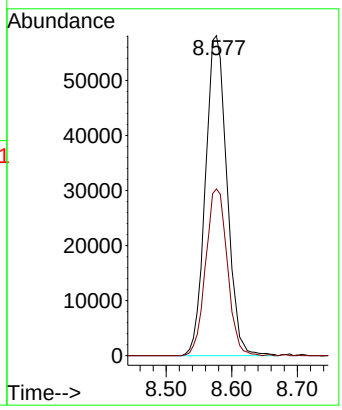


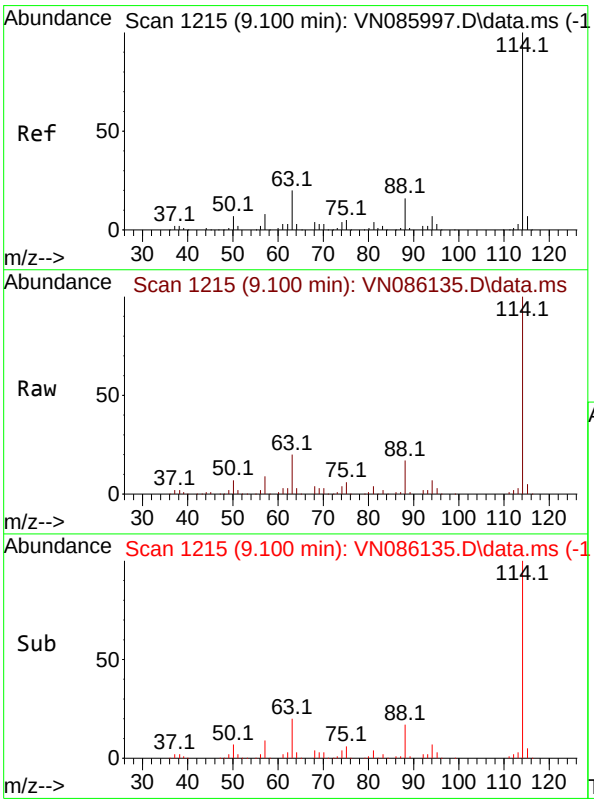

#33
1,2-Dichloroethane-d4
Concen: 53.596 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion: 65 Resp: 132762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 102.2 |

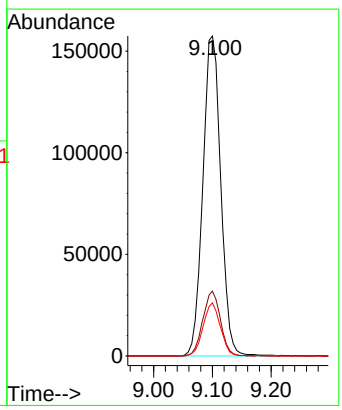


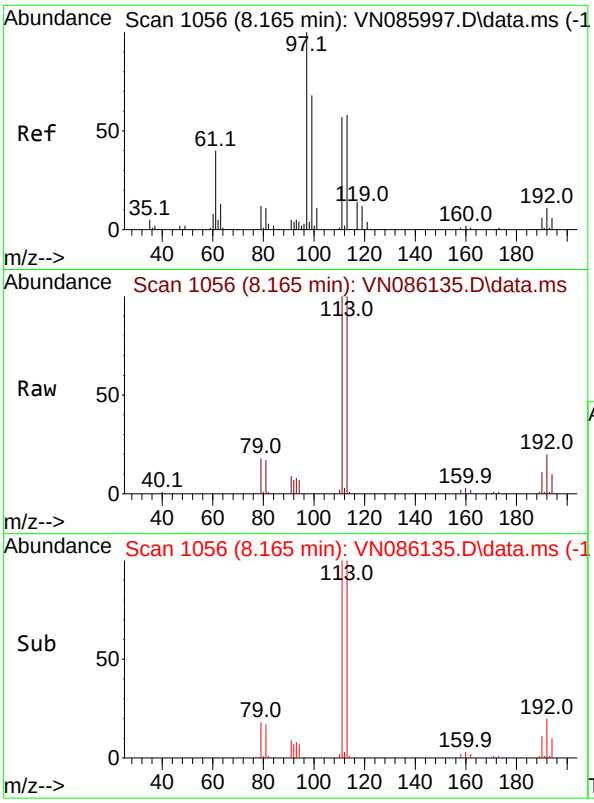




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion:114 Resp: 333332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 39.6 |
| 88 | 16.6 | 0.0 | 32.6 |



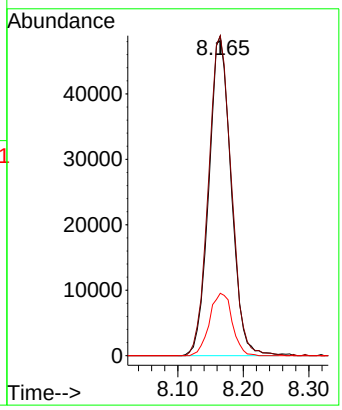


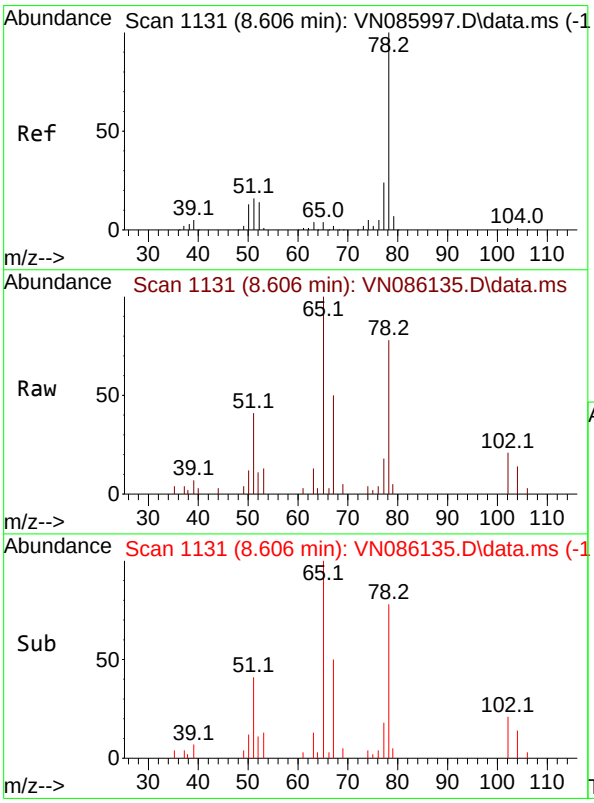

#35
Dibromofluoromethane
Concen: 49.330 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion:113 Resp: 114773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 81.8 | 122.8 |
| 192 | 19.9 | 15.9 | 23.9 |

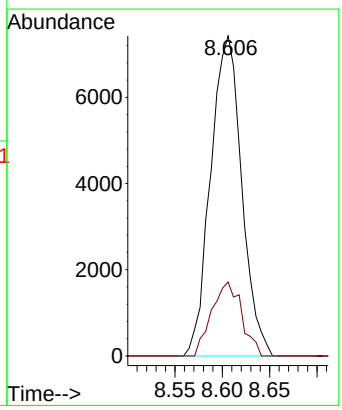


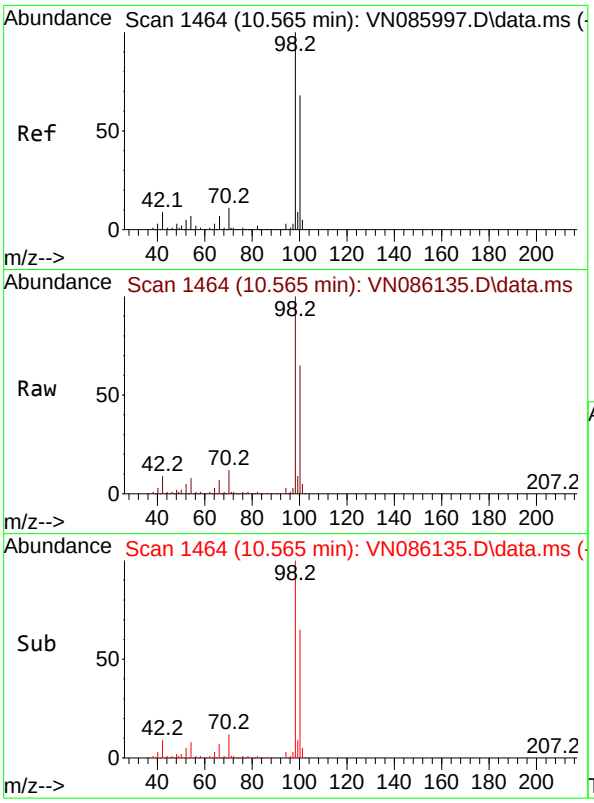




#40
Benzene
Concen: 1.762 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion: 78 Resp: 16941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 18.9 | 28.3 |



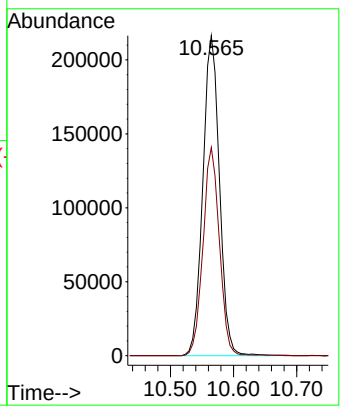


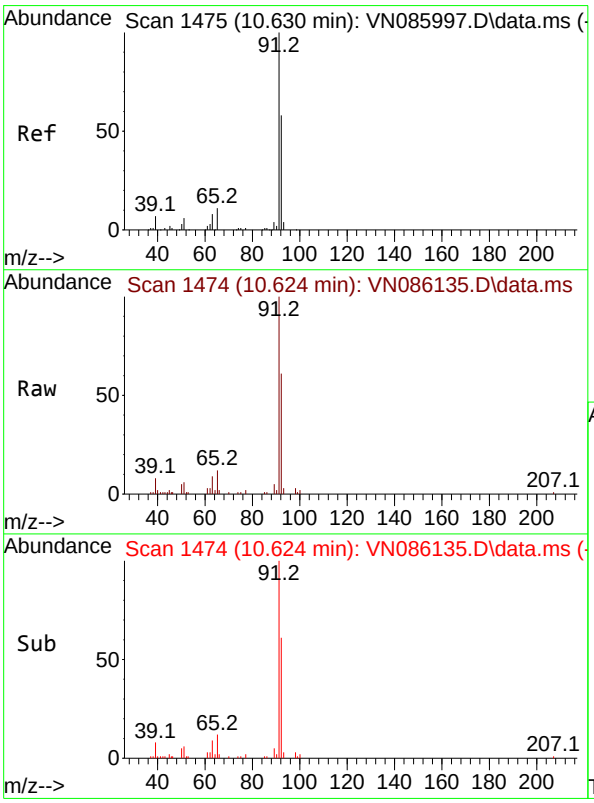

#50
Toluene-d8
Concen: 46.839 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion: 98 Resp: 395512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 53.1 | 79.7 |

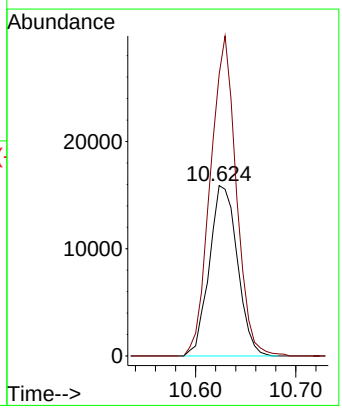


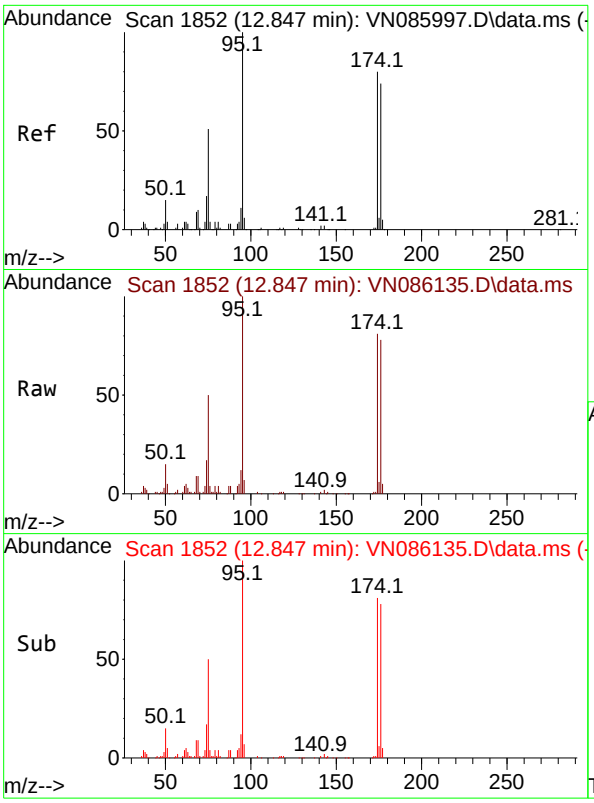




#52
Toluene
Concen: 5.236 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion: 92 Resp: 30908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 136.2 | 204.4 |



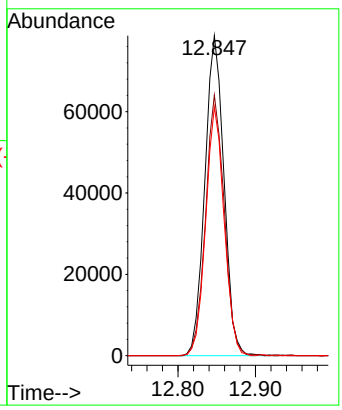


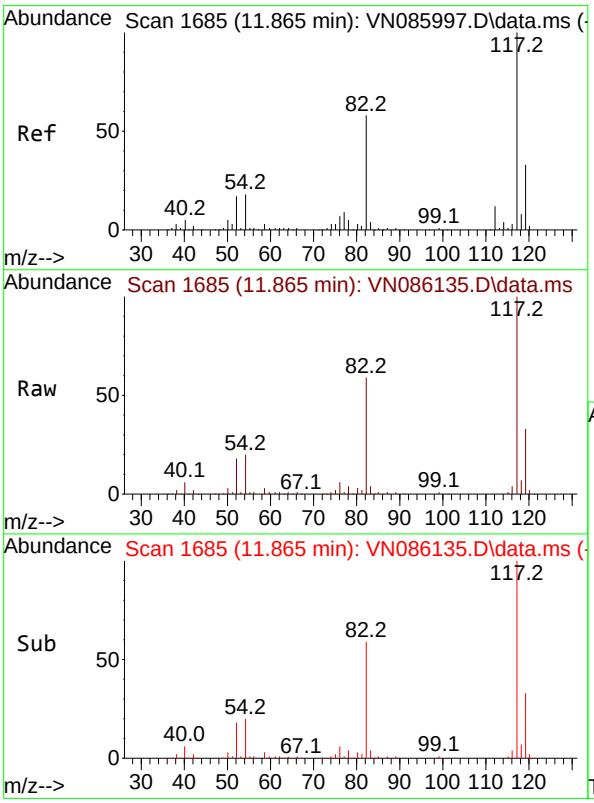

#62
4-Bromofluorobenzene
Concen: 44.657 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion: 95 Resp: 134478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.9 | 0.0 | 156.8 |
| 176 | 75.2 | 0.0 | 152.2 |

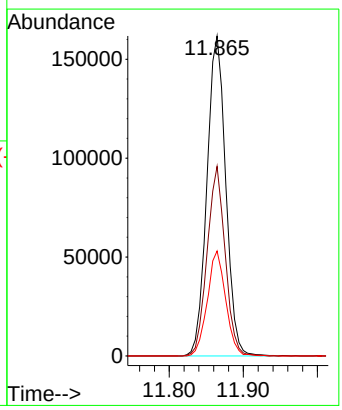


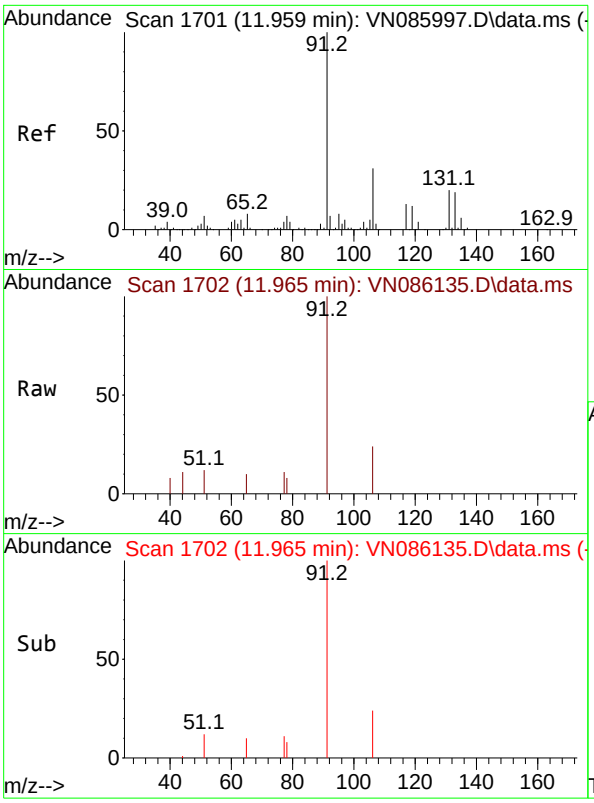




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion:117 Resp: 285139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.3 | 46.7 | 70.1 |
| 119 | 32.8 | 26.5 | 39.7 |



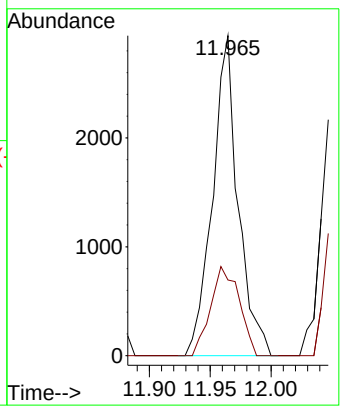


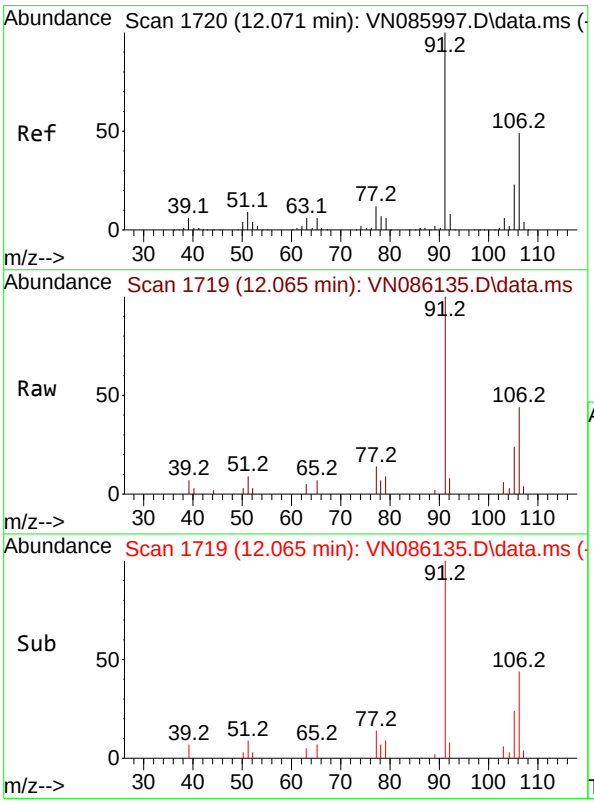

#67
Ethyl Benzene
Concen: 0.411 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion: 91 Resp: 4293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 23.6 | 24.5 | 36.7# |

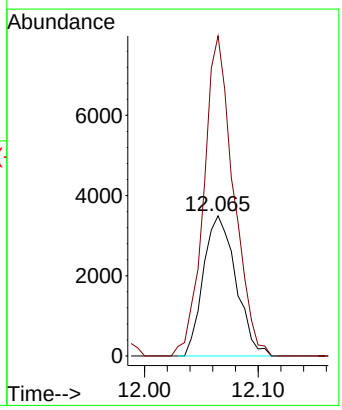


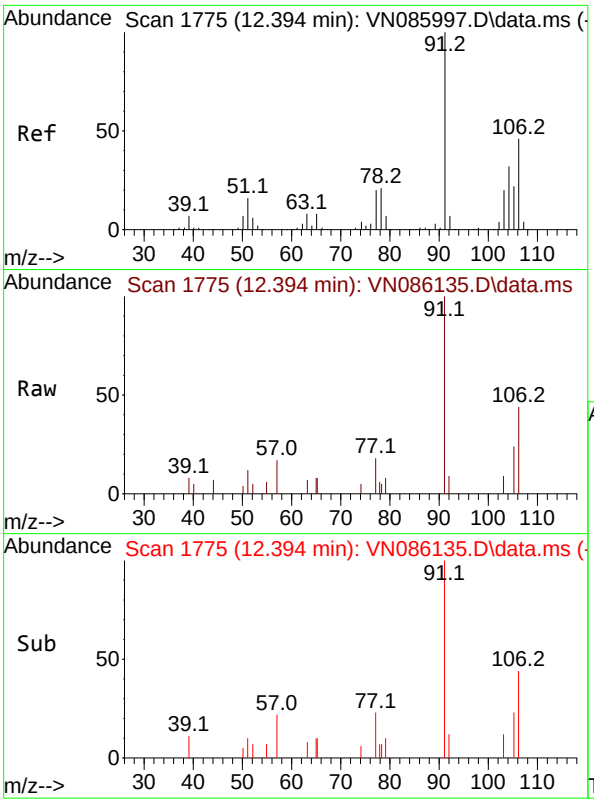




#68
m/p-Xylenes
Concen: 1.697 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion:106 Resp: 6960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.1 | 163.9 | 245.9 |



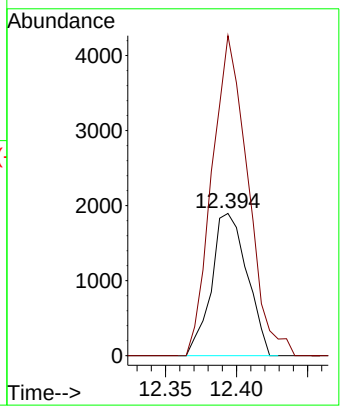


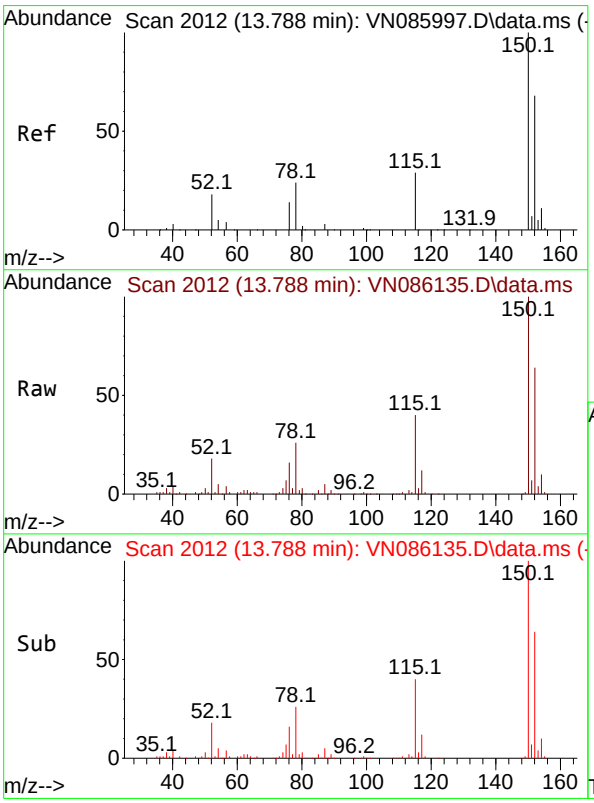

#69
o-Xylene
Concen: 0.879 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion:106 Resp: 3309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.4 | 109.1 | 327.2 |

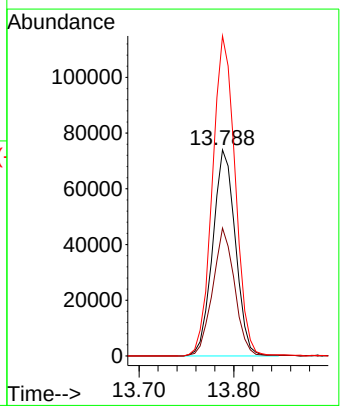


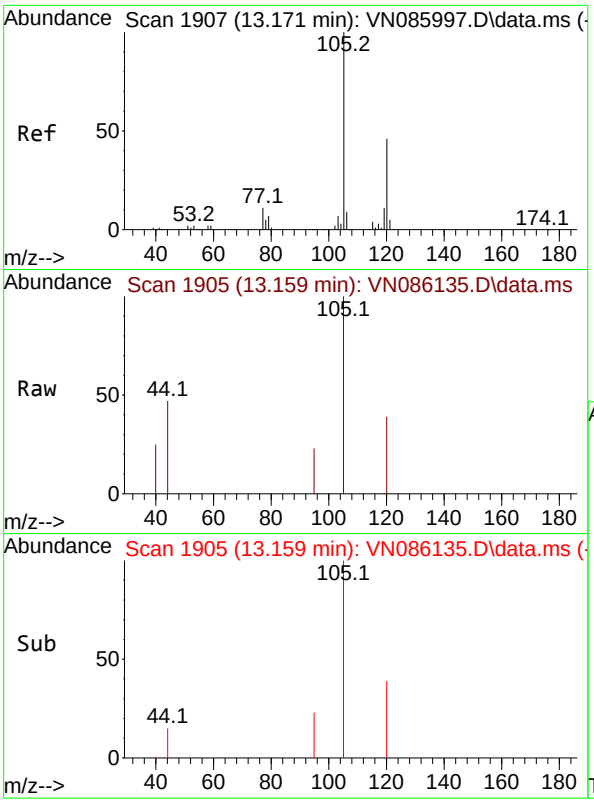




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion:152 Resp: 122959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.2 | 31.1 | 93.2 |
| 150 | 156.6 | 0.0 | 359.6 |



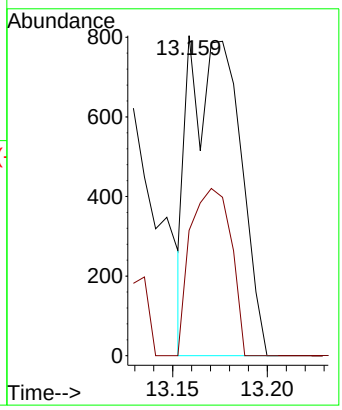


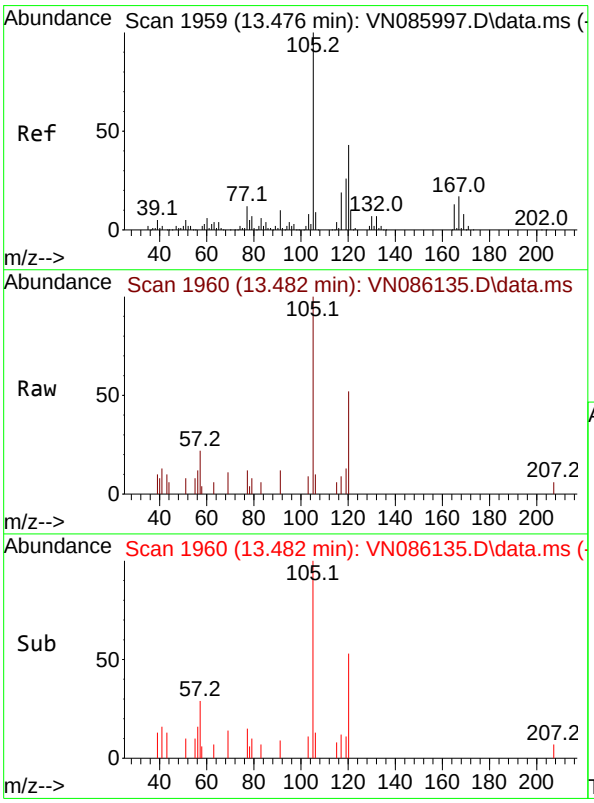

#80
1,3,5-Trimethylbenzene
Concen: 0.207 ug/l
RT: 13.159 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

**Instrument :**
MSVOA_N
**ClientSampleId :**
032025

Tgt Ion:105 Resp: 1469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 23.7 | 71.1 |




#84
1,2,4-Trimethylbenzene
Concen: 0.773 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086135.D
Acq: 26 Mar 2025 18:48

Tgt Ion:105 Resp: 5524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 21.9 | 65.8 |