Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
Data File : VN088170.D
Acq On : 29 Oct 2025 18:33
Operator : JC\MD
Sample : Q3468-05RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Quant Time: Oct 30 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 328066 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 750626 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 708184 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 354853 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 309208 | 54.506 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 109.020% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 226133 | 44.843 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 89.680% | | | |
| 50) Toluene-d8 | 10.541 | 98 | 873627 | 44.962 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 89.920% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 354779 | 51.701 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.512 | 59 | 1605 | 1.642 | ug/l # | 71 |
| 13) Acrolein | 4.195 | 56 | 247 | 0.225 | ug/l # | 1 |
| 16) Acetone | 4.424 | 43 | 19110 | 6.705 | ug/l | 96 |
| 18) Methyl Acetate | 5.030 | 43 | 1349 | 0.231 | ug/l # | 54 |
| 20) Methylene Chloride | 5.277 | 84 | 141 | 0.804 | ug/l # | 5 |
| 25) 2-Butanone | 7.477 | 43 | 3385 | 0.901 | ug/l # | 77 |
| 31) Cyclohexane | 8.212 | 56 | 12762 | 1.607 | ug/l # | 39 |
| 36) 1,1-Dichloropropene | 8.212 | 75 | 33331 | 4.527 | ug/l # | 52 |
| 37) Ethyl Acetate | 7.477 | 43 | 3385 | 0.356 | ug/l # | 72 |
| 38) Carbon Tetrachloride | 8.206 | 117 | 39185 | 5.153 | ug/l # | 15 |
| 39) Methylcyclohexane | 9.577 | 83 | 2811 | 0.297 | ug/l | 97 |
| 40) Benzene | 8.588 | 78 | 26266 | 1.171 | ug/l | 93 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 2400 | 0.278 | ug/l | 89 |
| 67) Ethyl Benzene | 11.941 | 91 | 36576 | 1.296 | ug/l # | 89 |
| 68) m/p-Xylenes | 12.047 | 106 | 10093 | 0.954 | ug/l | 95 |
| 69) o-Xylene | 12.382 | 106 | 17298 | 1.725 | ug/l | 97 |
| 73) Isopropylbenzene | 12.670 | 105 | 10113 | 0.370 | ug/l | 85 |
| 76) 1,2,3-Trichloropropane | 12.829 | 75 | 201770 | 24.870 | ug/l # | 1 |
| 78) n-propylbenzene | 13.018 | 91 | 15960 | 0.478 | ug/l | 91 |
| 79) 2-Chlorotoluene | 13.076 | 91 | 6540 | 0.343 | ug/l # | 42 |
| 81) trans-1,4-Dichloro-2-b... | 12.829 | 75 | 201770 | 69.375 | ug/l # | 1 |
| 84) 1,2,4-Trimethylbenzene | 13.312 | 105 | 21613 | 0.950 | ug/l | 81 |

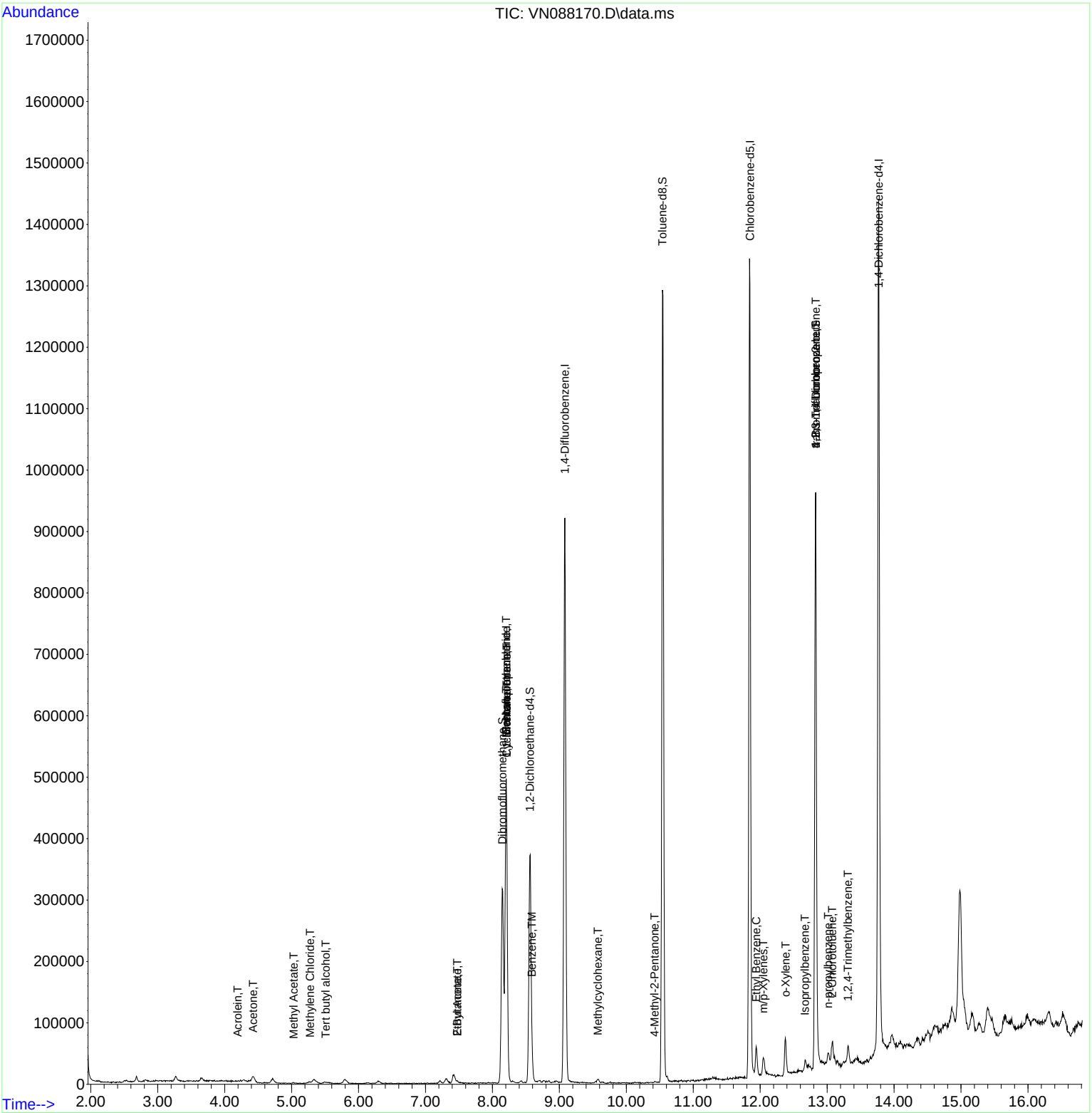
(#) = qualifier out of range (m) = manual integration (+) = signals summed

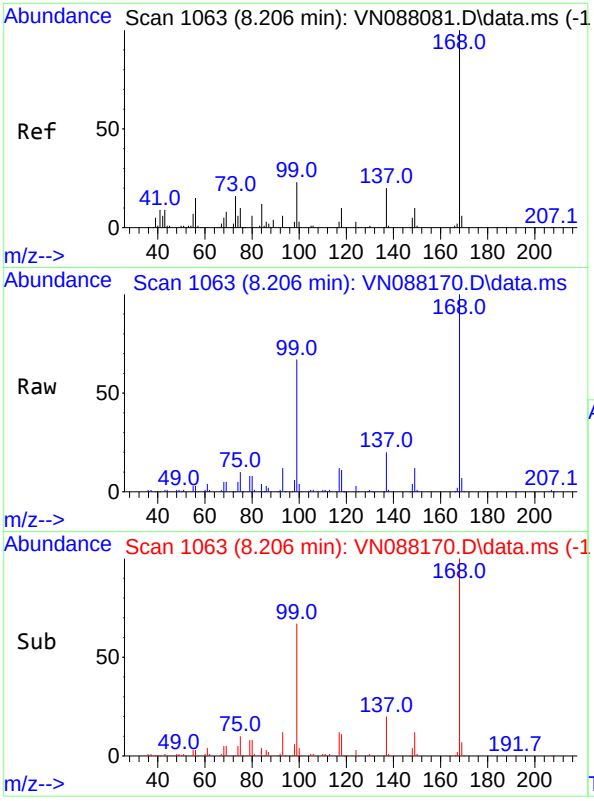
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
Data File : VN088170.D
Acq On : 29 Oct 2025 18:33
Operator : JC\MD
Sample : Q3468-05RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Quant Time: Oct 30 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



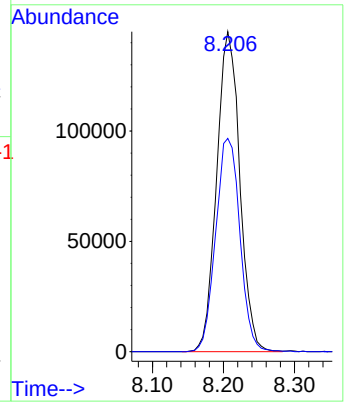


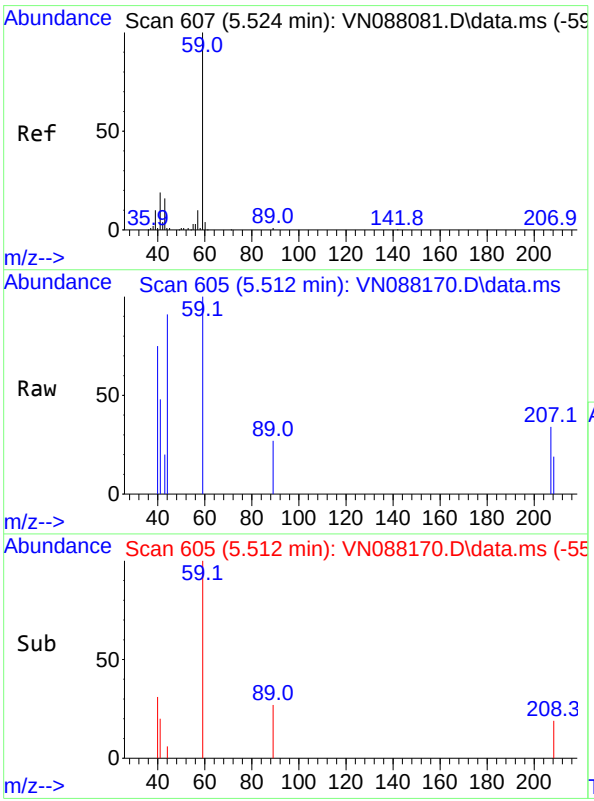

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion:168 Resp: 328066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.7 | 57.2 | 85.8 |

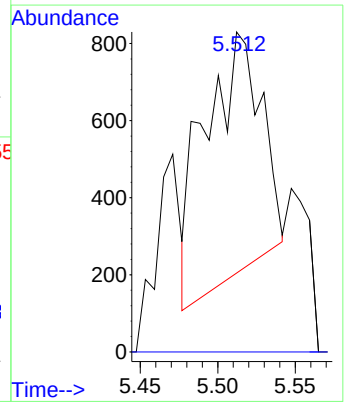


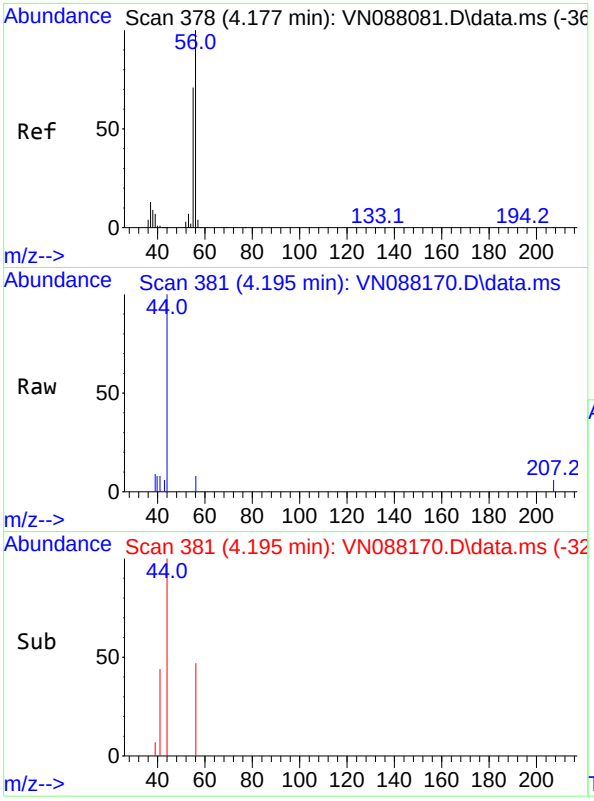




#11
Tert butyl alcohol
Concen: 1.642 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 59 Resp: 1605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 9.0 | 13.4# |



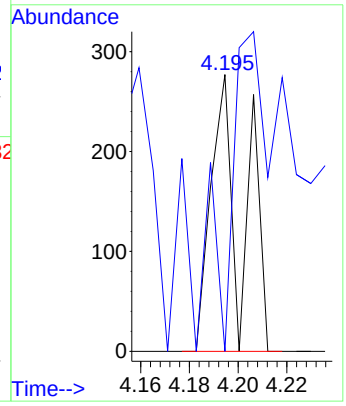


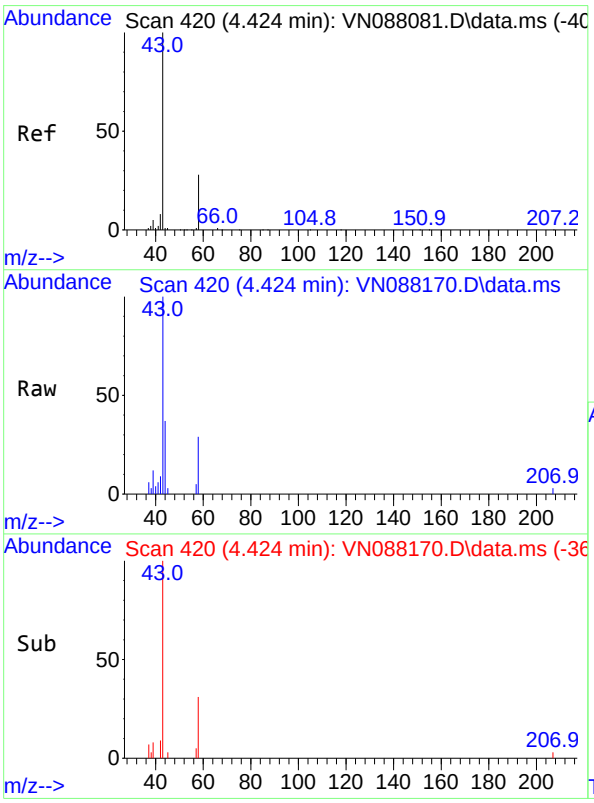

#13
Acrolein
Concen: 0.225 ug/l
RT: 4.195 min Scan# 3
Delta R.T. 0.023 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 56 Resp: 247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 282.6 | 57.3 | 85.9# |

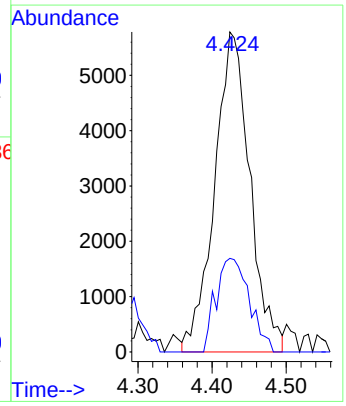


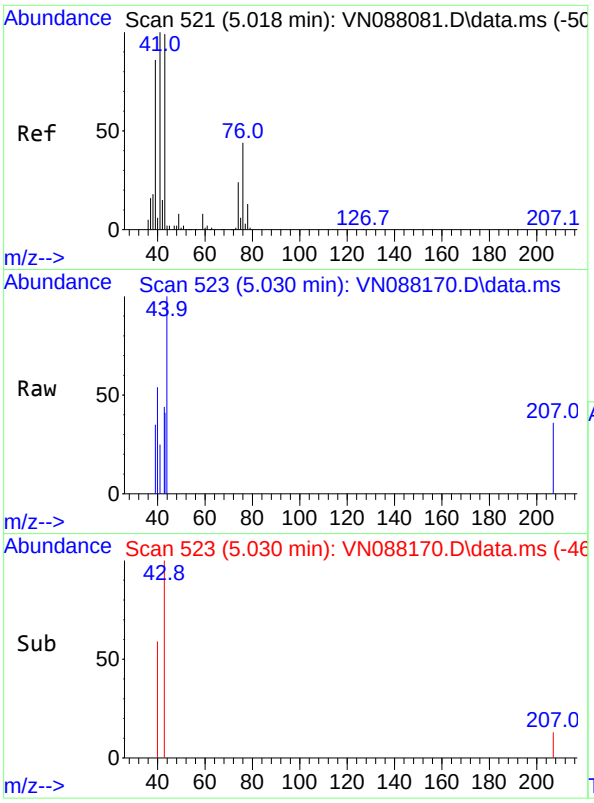




#16
Acetone
Concen: 6.705 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 43 Resp: 19110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.1 | 22.6 | 33.8 |



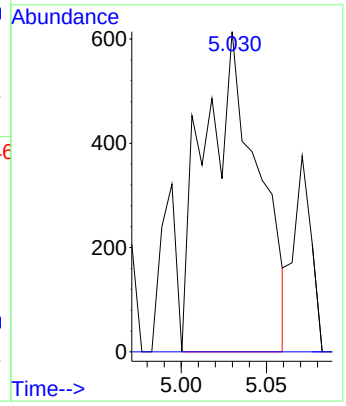


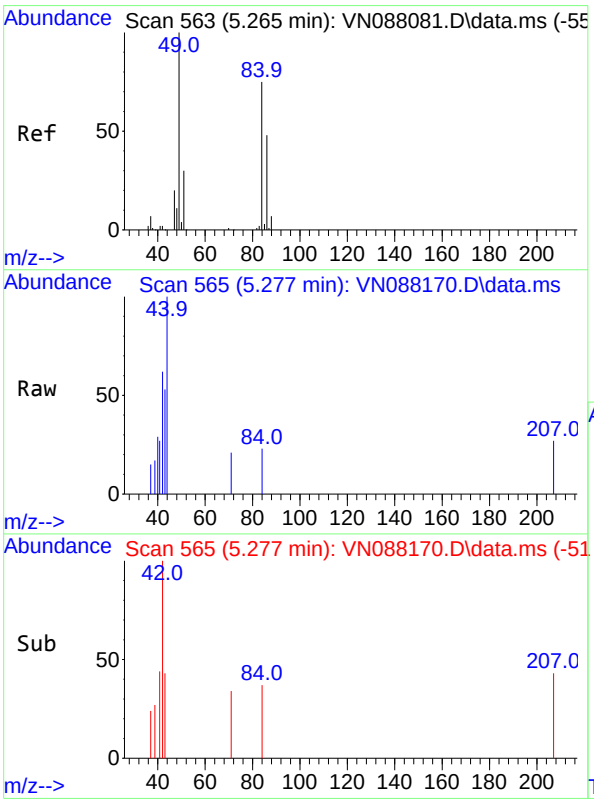

#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 5.030 min Scan# 5
Delta R.T. 0.018 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 43 Resp: 1349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 17.6 | 26.4# |

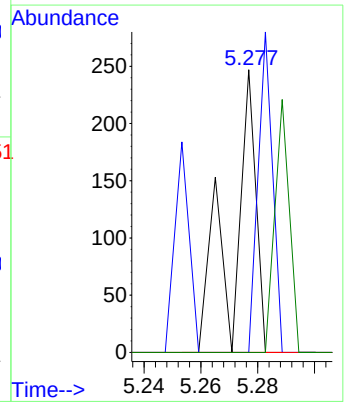


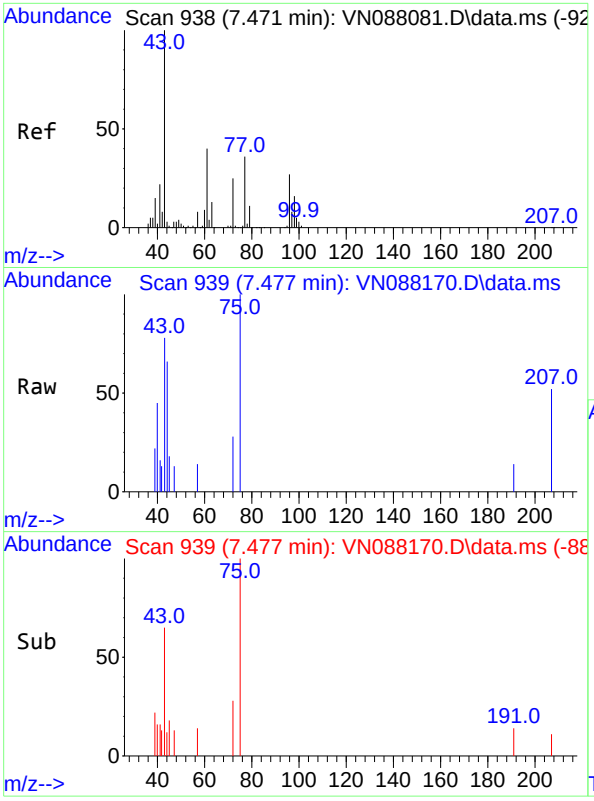




#20
Methylene Chloride
Concen: 0.804 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 84 Resp: 141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 0.0 | 103.4 | 155.2# |
| 51 | 0.0 | 33.8 | 50.8# |
| 86 | 0.0 | 49.6 | 74.4# |



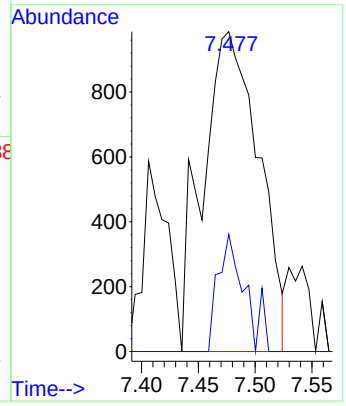


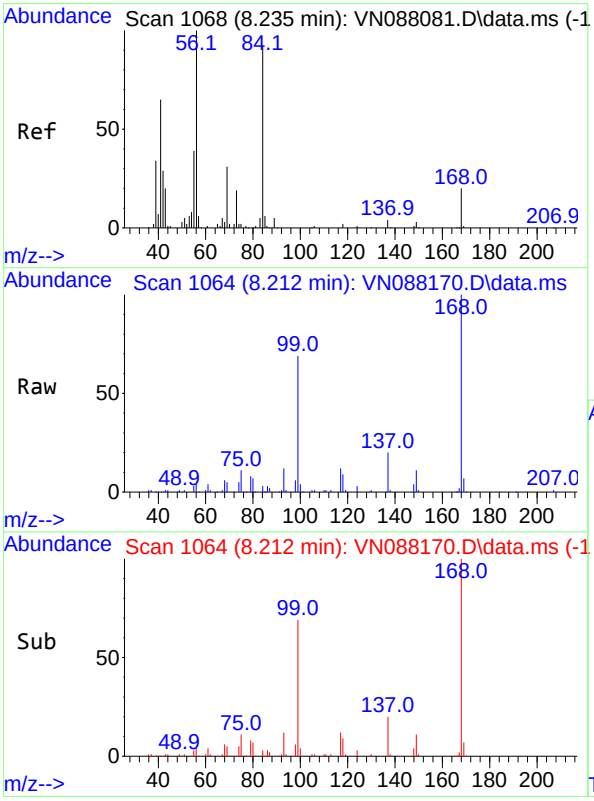

#25
2-Butanone
Concen: 0.901 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 43 Resp: 3385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 36.6 | 19.9 | 29.9# |

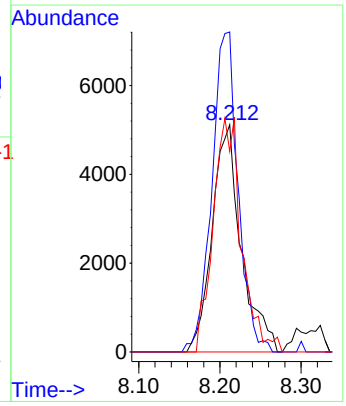


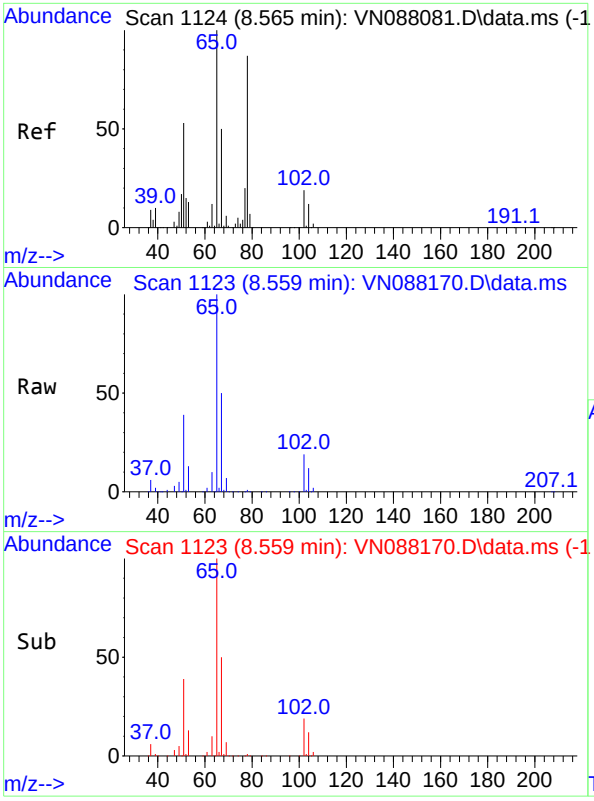




#31
Cyclohexane
Concen: 1.607 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 56 Resp: 12762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 140.9 | 23.7 | 35.5# |
| 84 | 88.3 | 64.7 | 97.1 |



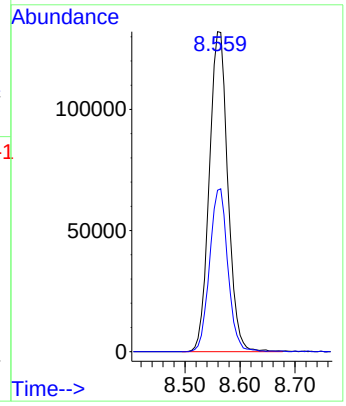


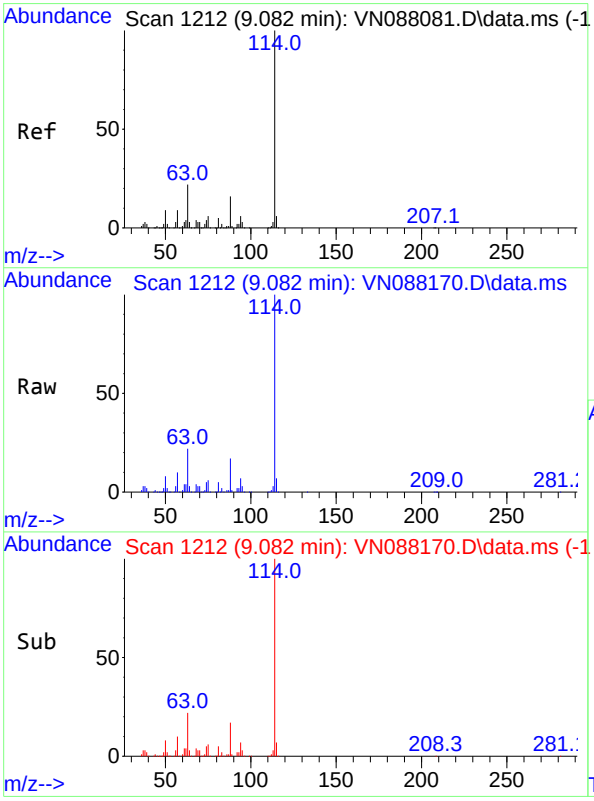

#33
1,2-Dichloroethane-d4
Concen: 54.506 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 65 Resp: 309208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 100.0 |

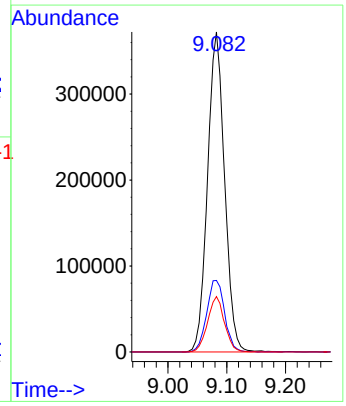


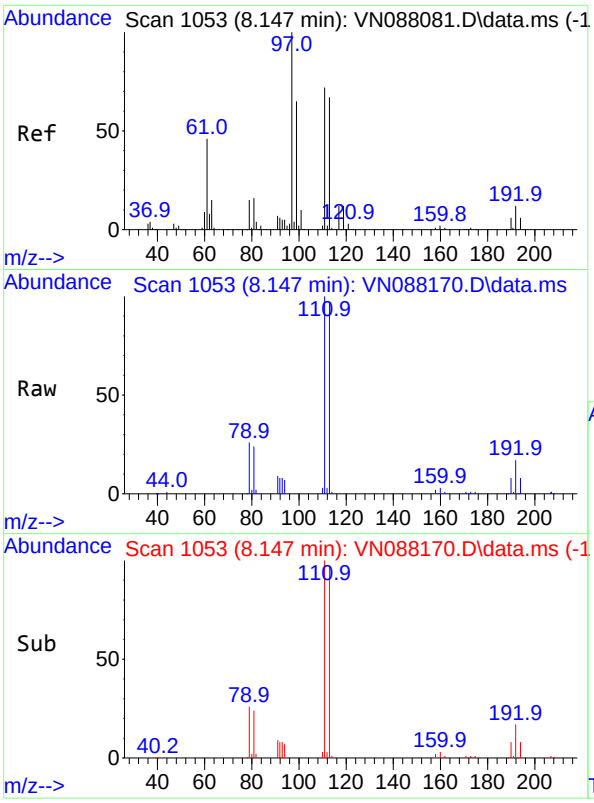




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion:114 Resp: 750626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 45.2 |
| 88 | 17.3 | 0.0 | 33.4 |



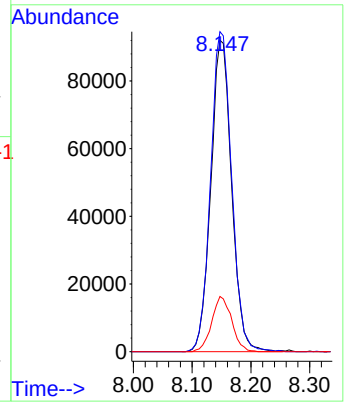


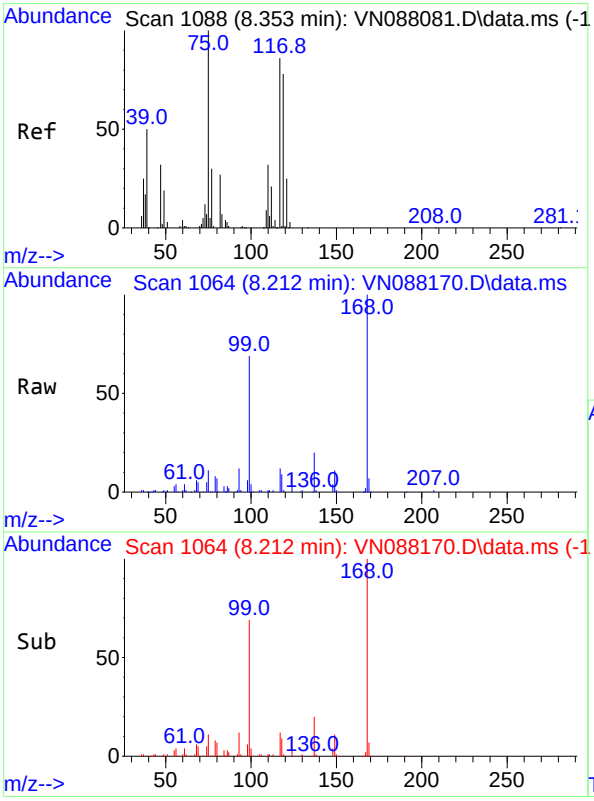

#35
Dibromofluoromethane
Concen: 44.843 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion:113 Resp: 226133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.0 | 82.8 | 124.2 |
| 192 | 17.0 | 12.8 | 19.2 |

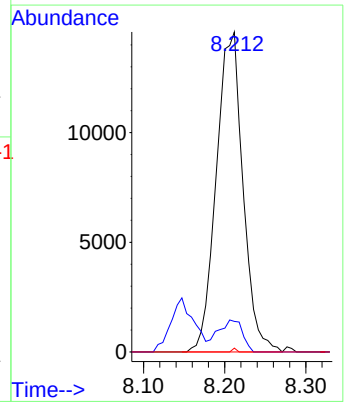


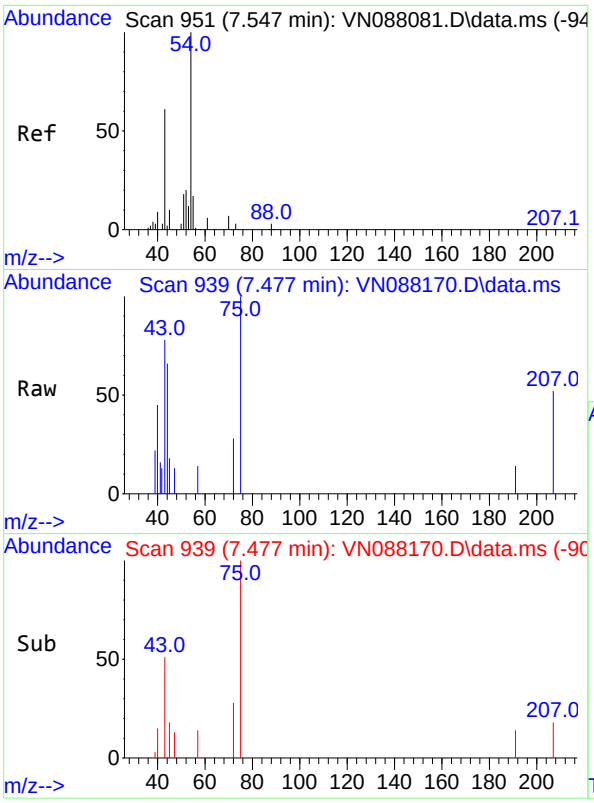




#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.141 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 75 Resp: 33331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.3 | 15.9 | 47.6# |
| 77 | 0.0 | 24.4 | 36.6# |



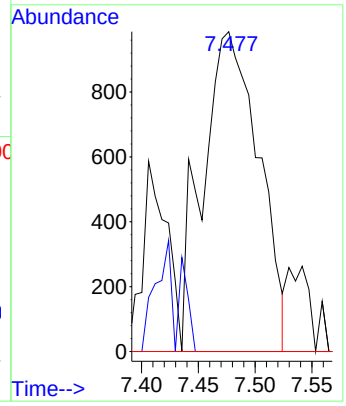


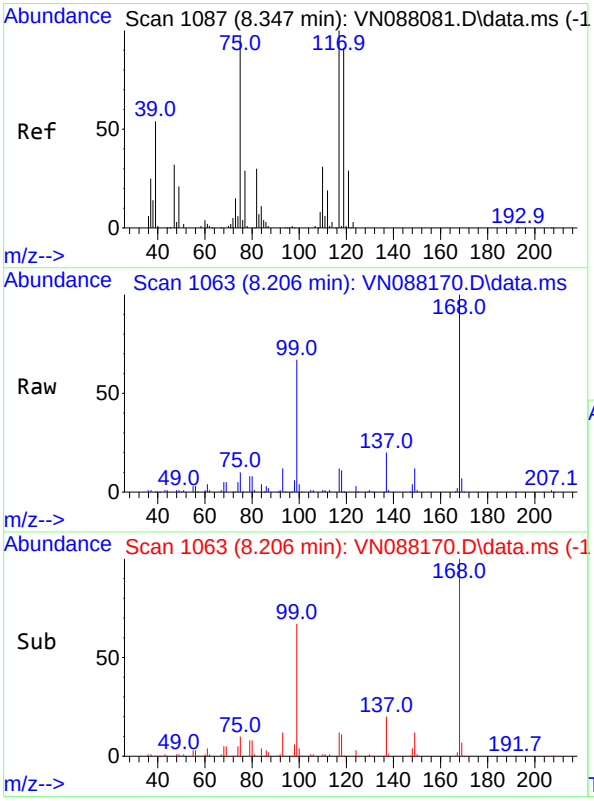

#37
Ethyl Acetate
Concen: 0.356 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.071 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 43 Resp: 3385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 9.3 | 13.9# |
| 70 | 0.0 | 7.0 | 10.6# |

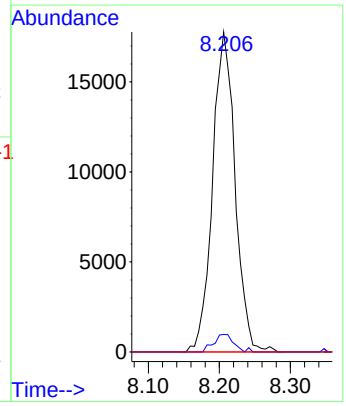


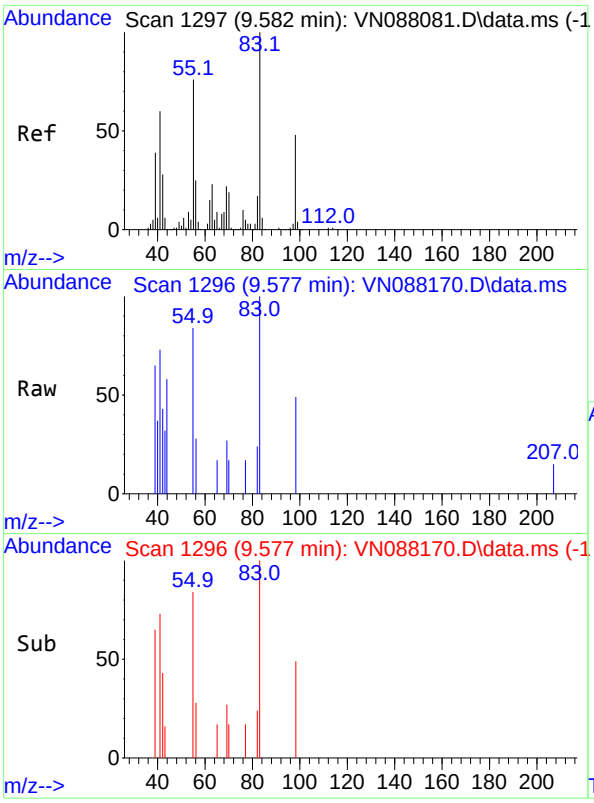




#38
Carbon Tetrachloride
Concen: 5.153 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion:117 Resp: 39185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.5 | 79.0 | 118.6# |
| 121 | 0.0 | 25.0 | 37.6# |



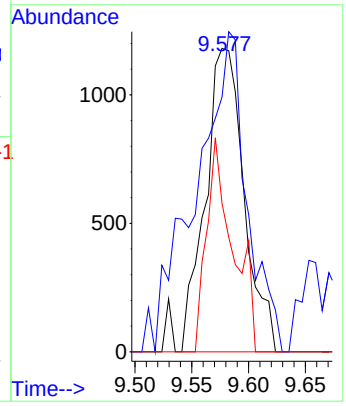


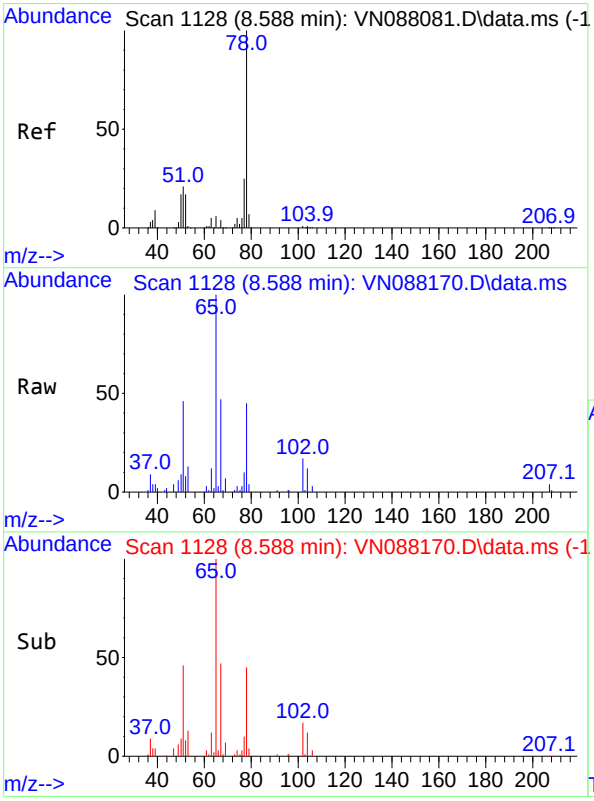

#39
Methylcyclohexane
Concen: 0.297 ug/l
RT: 9.577 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 83 Resp: 2811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.9 | 64.6 | 96.8 |
| 98 | 48.9 | 38.4 | 57.6 |

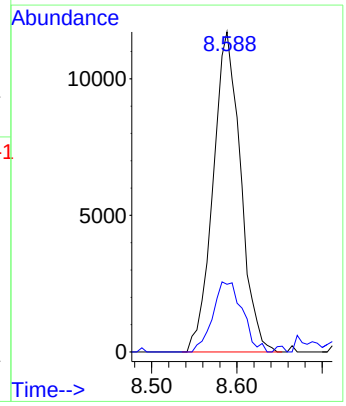


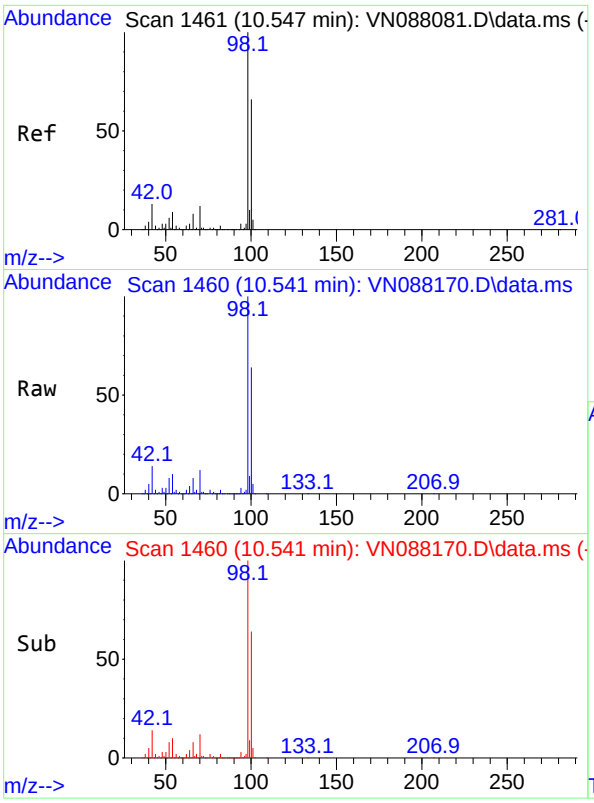




#40
Benzene
Concen: 1.171 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 78 Resp: 26266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.2 | 19.7 | 29.5 |



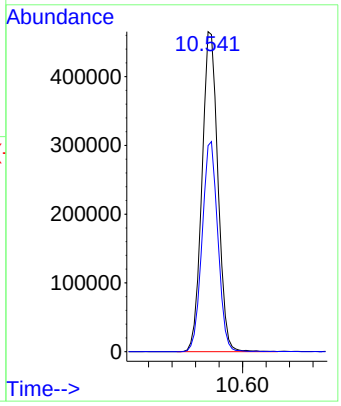


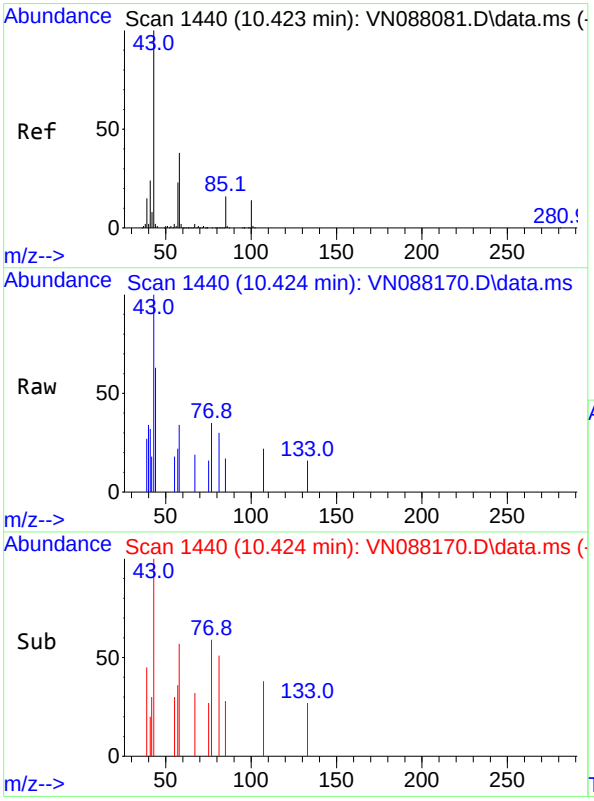

#50
Toluene-d8
Concen: 44.962 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 98 Resp: 873627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.8 | 79.2 |

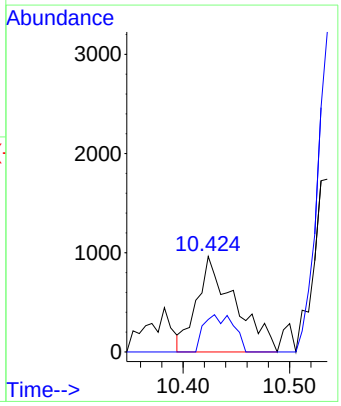


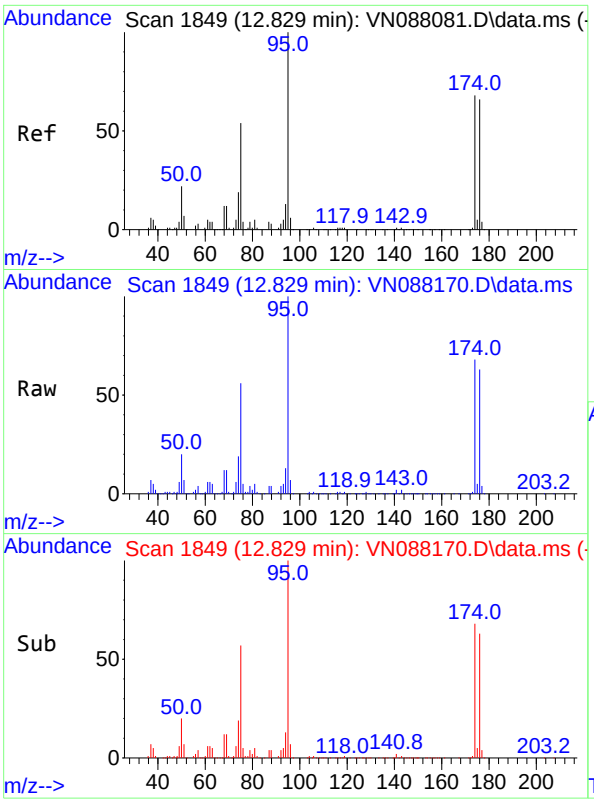




#51
4-Methyl-2-Pentanone
Concen: 0.278 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 43 Resp: 2400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 29.6 | 44.4 |



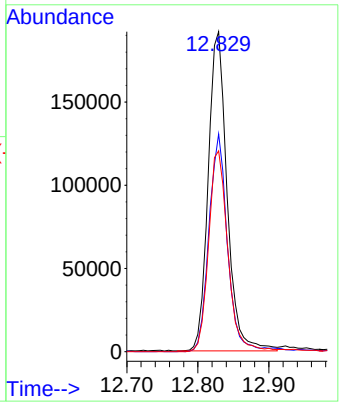


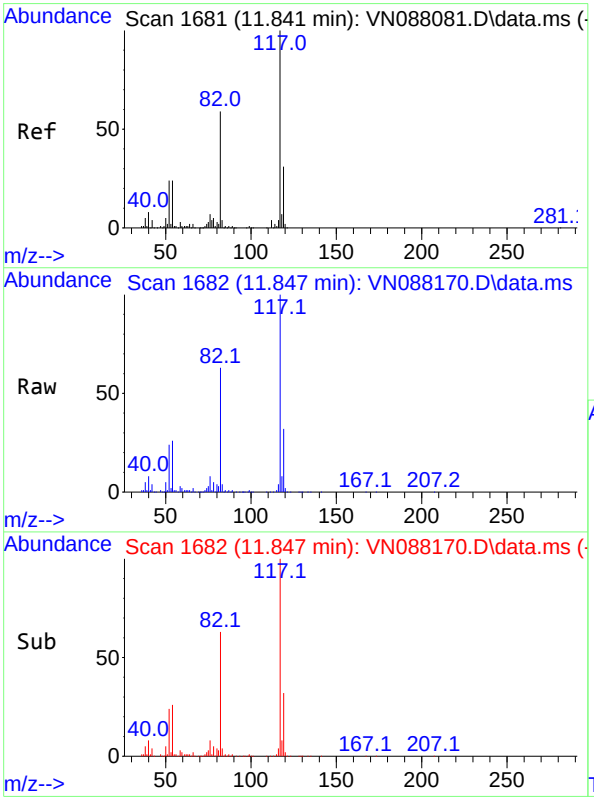

#62
4-Bromofluorobenzene
Concen: 51.701 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 95 Resp: 354779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.3 | 0.0 | 138.4 |
| 176 | 65.1 | 0.0 | 132.6 |

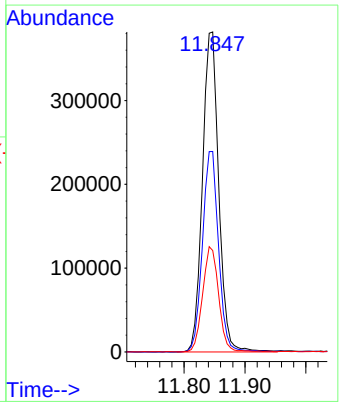


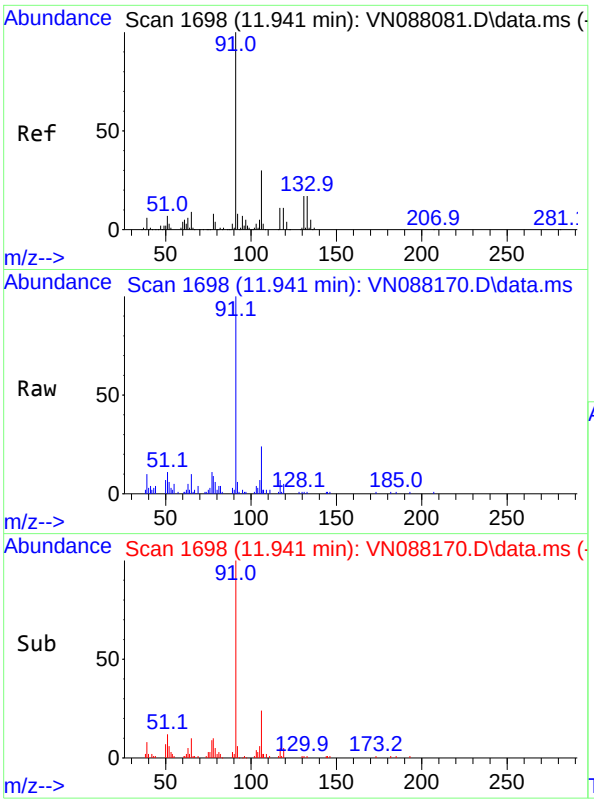




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion:117 Resp: 708184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.6 | 47.4 | 71.2 |
| 119 | 31.6 | 24.3 | 36.5 |



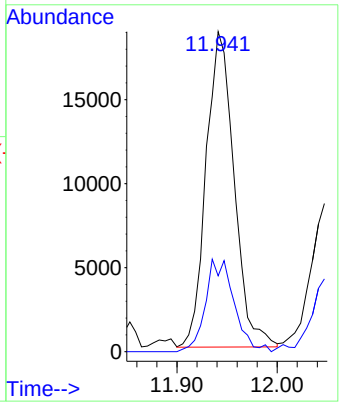


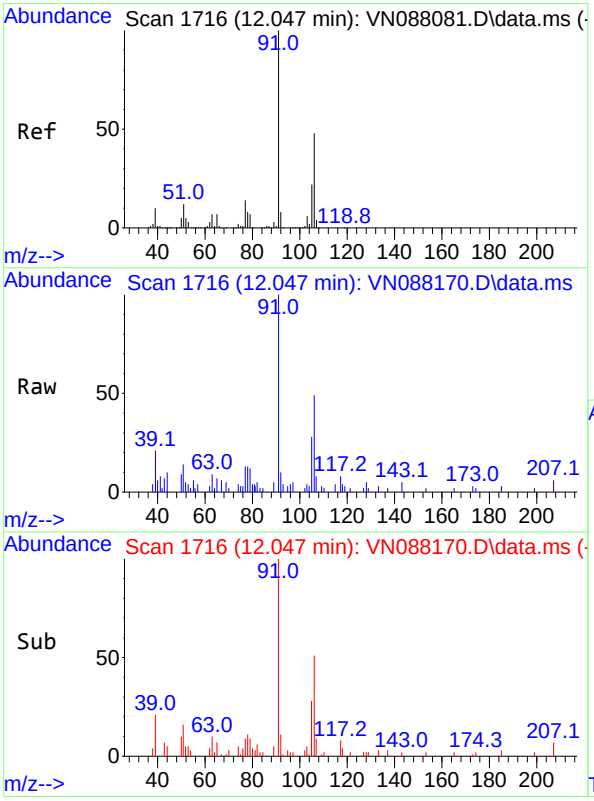

#67
Ethyl Benzene
Concen: 1.296 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 91 Resp: 36576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.1 | 24.1 | 36.1# |

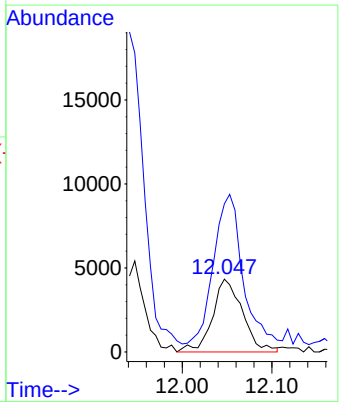


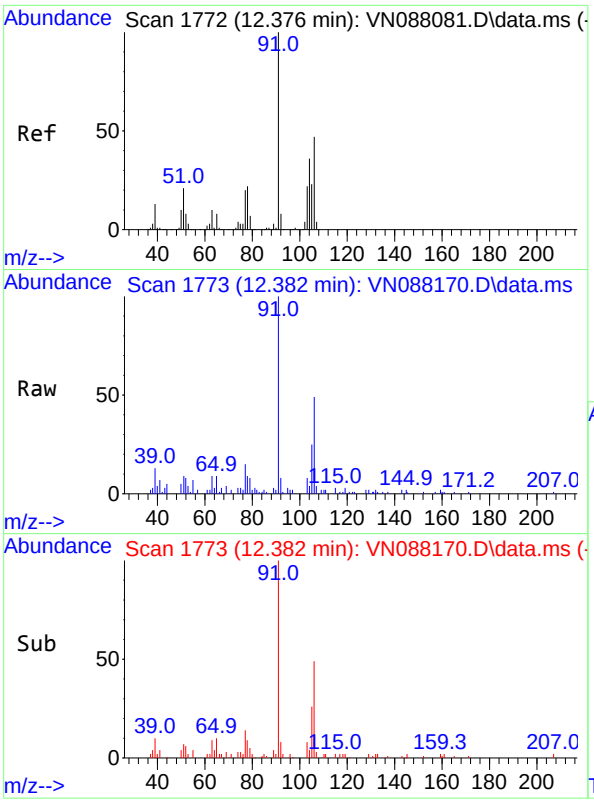




#68
m/p-Xylenes
Concen: 0.954 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion:106 Resp: 10093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.2 | 169.3 | 253.9 |



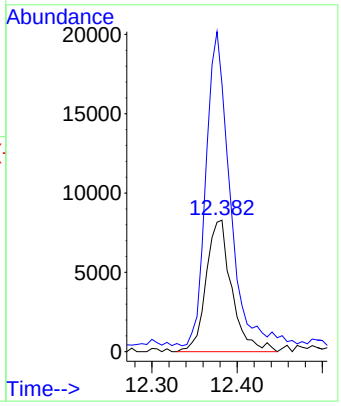


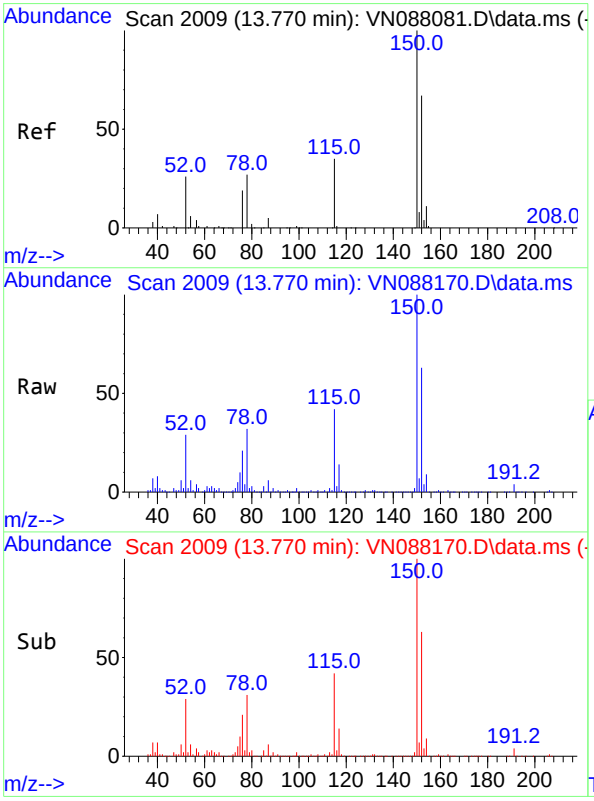

#69
o-Xylene
Concen: 1.725 ug/l
RT: 12.382 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion:106 Resp: 17298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.6 | 111.4 | 334.2 |

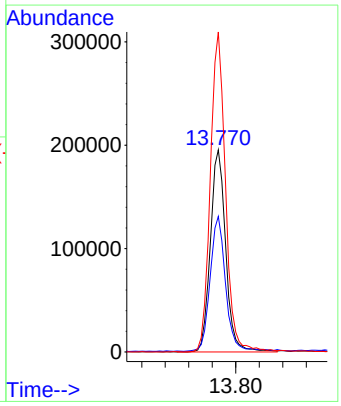


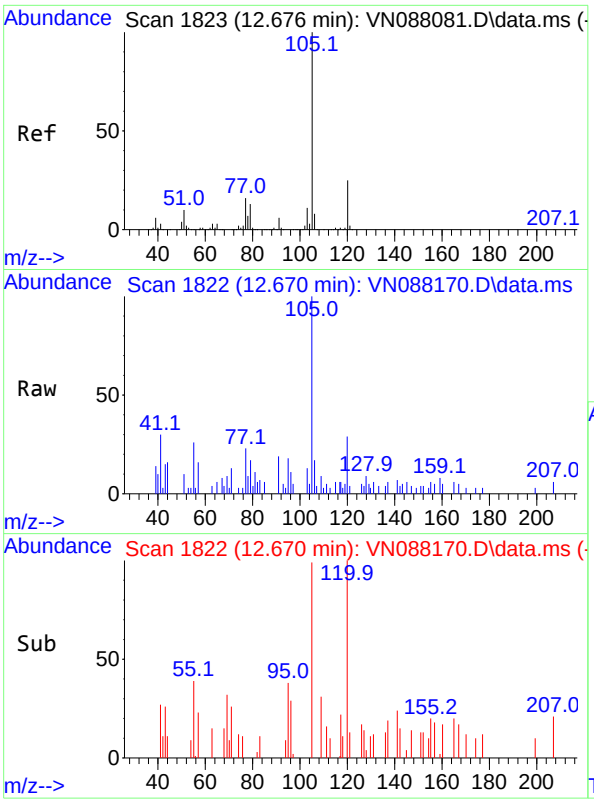




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion:152 Resp: 354853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.5 | 32.3 | 96.8 |
| 150 | 157.0 | 0.0 | 351.0 |



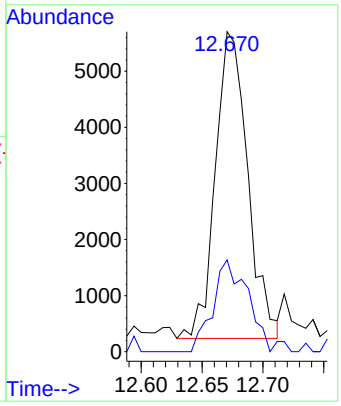


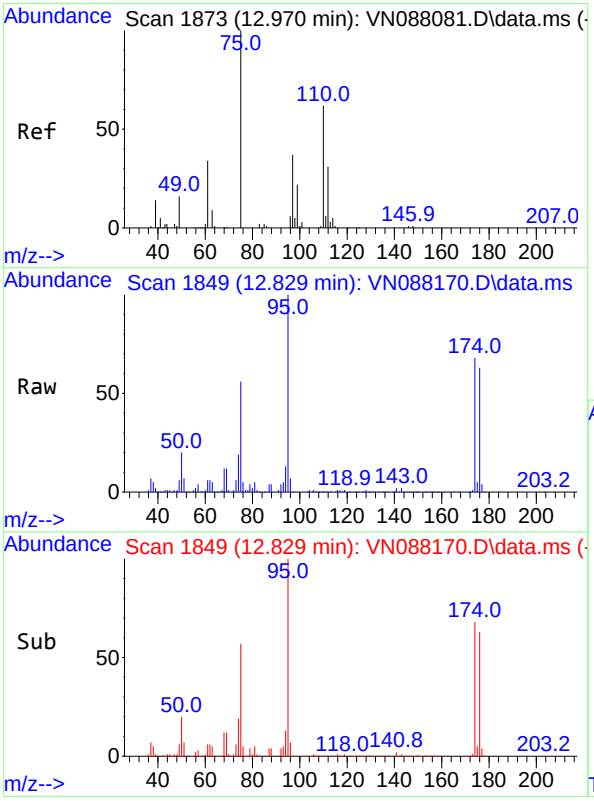

#73
Isopropylbenzene
Concen: 0.370 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion:105 Resp: 10113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 33.2 | 12.8 | 38.3 |

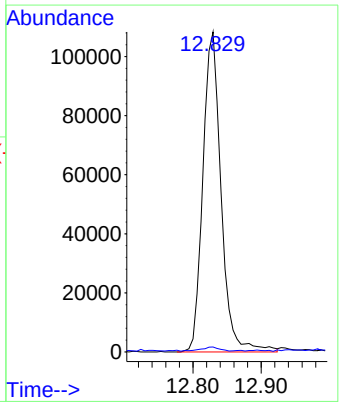


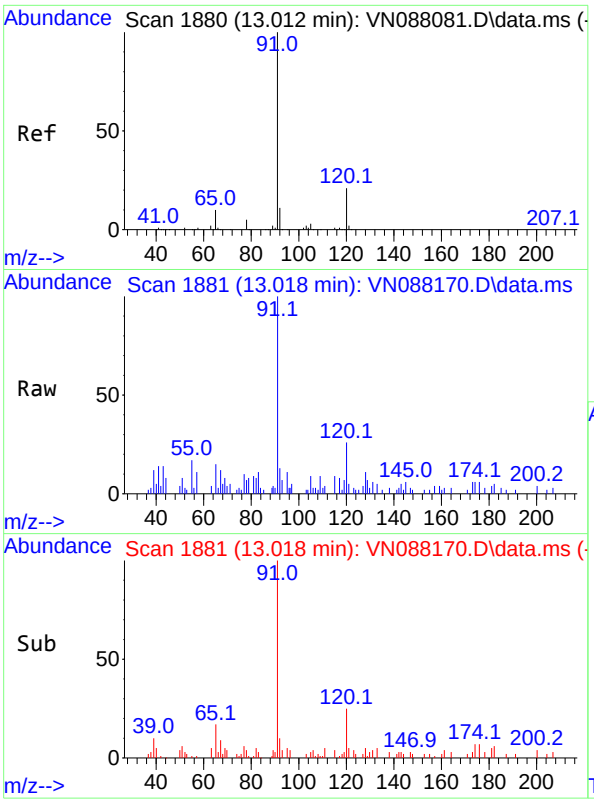




#76
1,2,3-Trichloropropane
Concen: 24.870 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 75 Resp: 201770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 89.1 | 267.4# |



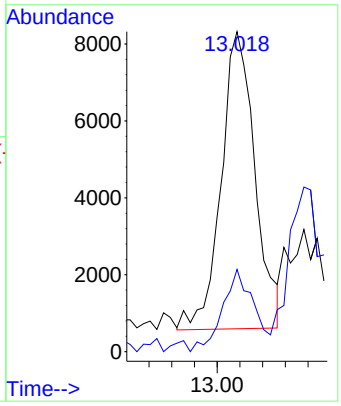


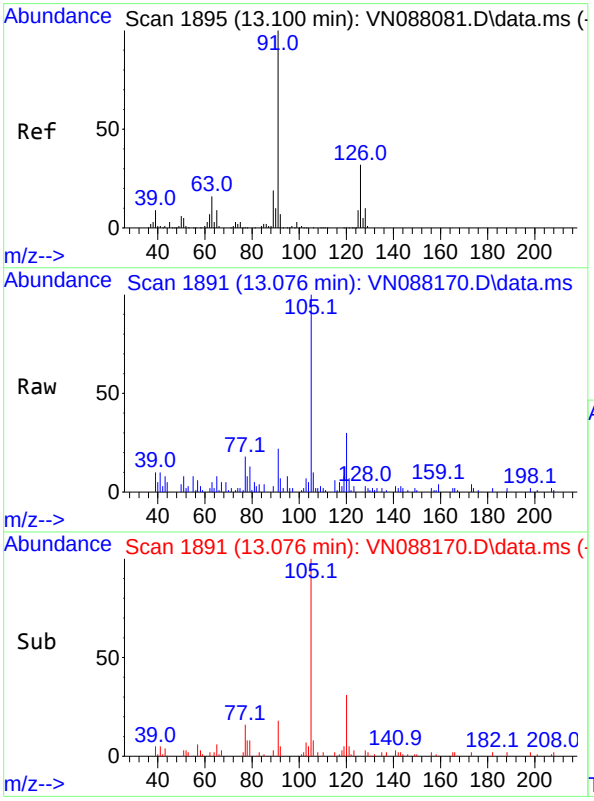

#78
n-propylbenzene
Concen: 0.478 ug/l
RT: 13.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 91 Resp: 15960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 25.7 | 10.7 | 32.1 |

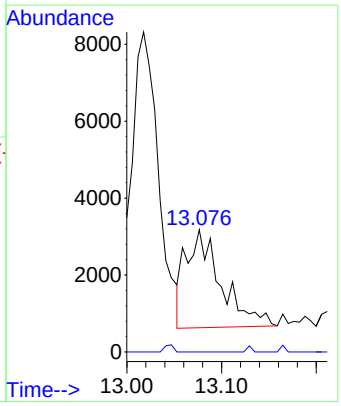


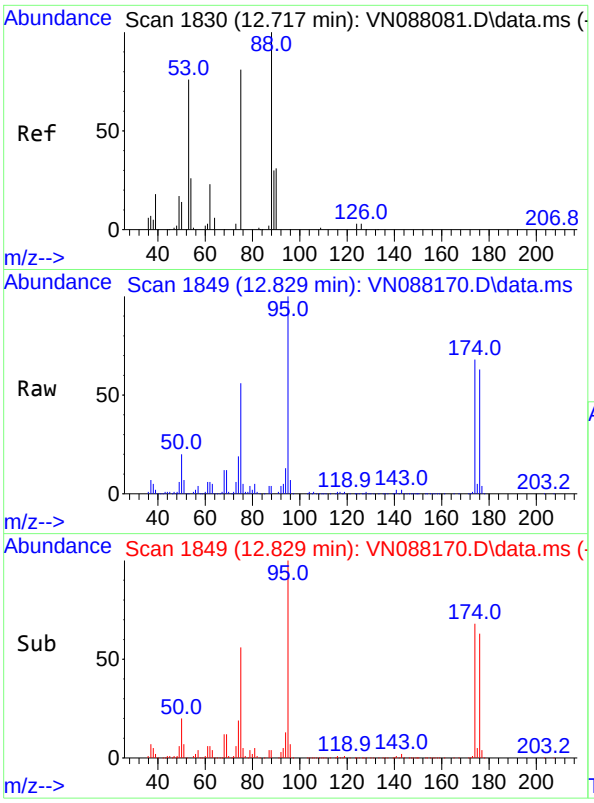




#79
2-Chlorotoluene
Concen: 0.343 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. -0.024 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion: 91 Resp: 6540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 16.1 | 48.3# |



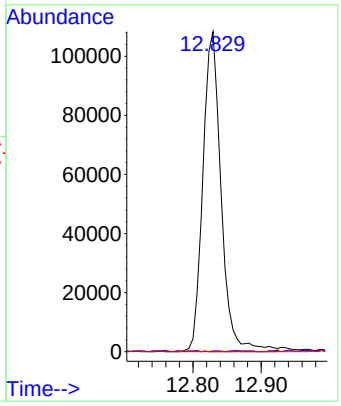


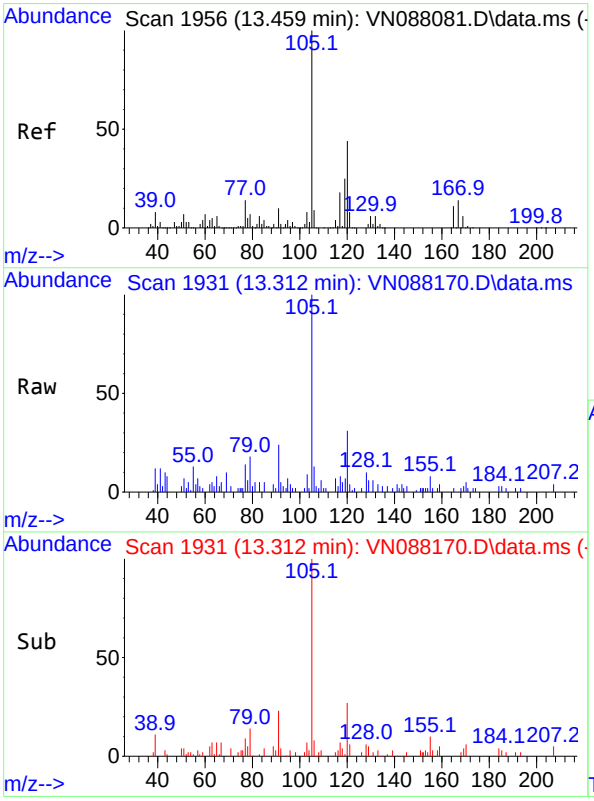

#81
trans-1,4-Dichloro-2-butene
Concen: 69.375 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW-13

Tgt Ion: 75 Resp: 201770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 101.8 | 152.6# |
| 89 | 0.0 | 35.6 | 53.4# |




#84
1,2,4-Trimethylbenzene
Concen: 0.950 ug/l
RT: 13.312 min Scan# 1931
Delta R.T. -0.147 min
Lab File: VN088170.D
Acq: 29 Oct 2025 18:33

Tgt Ion:105 Resp: 21613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 31.7 | 22.0 | 66.0 |