Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072324\
Data File : VN083016.D
Acq On : 23 Jul 2024 17:12
Operator : JC\MD
Sample : PB162199ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 24 02:30:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.229 | 168 | 65188 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.106 | 114 | 136542 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.870 | 117 | 149388 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152 | 56526 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.582 | 65 | 53140 | 58.153 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 116.300% | | | |
| 35) Dibromofluoromethane | 8.171 | 113 | 44619 | 50.926 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.860% | | | |
| 50) Toluene-d8 | 10.570 | 98 | 170111 | 52.567 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.140% | | | |
| 62) 4-Bromofluorobenzene | 12.853 | 95 | 52673 | 45.313 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 64 - 133 | | Recovery = 90.620% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Bromomethane | 2.965 | 94 | 186 | 0.307 | ug/l | 91 |
| 11) Tert butyl alcohol | 5.535 | 59 | 58 | 0.377 | ug/l # | 71 |
| 16) Acetone | 4.436 | 43 | 8611 | 26.765 | ug/l | 93 |
| 18) Methyl Acetate | 5.036 | 43 | 488 | 0.573 | ug/l # | 56 |
| 20) Methylene Chloride | 5.271 | 84 | 4294 | 5.527 | ug/l # | 78 |
| 25) 2-Butanone | 7.494 | 43 | 3715 | 7.647 | ug/l | 95 |
| 31) Cyclohexane | 8.224 | 56 | 1679 | 1.405 | ug/l # | 23 |
| 36) 1,1-Dichloropropene | 8.229 | 75 | 5723 | 4.738 | ug/l # | 50 |
| 37) Ethyl Acetate | 7.571 | 43 | 1358 | 1.104 | ug/l # | 72 |
| 38) Carbon Tetrachloride | 8.224 | 117 | 6764 | 4.651 | ug/l # | 21 |
| 42) 1,2-Dichloroethane | 8.682 | 62 | 284 | 0.212 | ug/l # | 78 |
| 43) Isopropyl Acetate | 8.688 | 43 | 79450 | 33.268 | ug/l # | 88 |
| 45) 1,2-Dichloropropane | 9.735 | 63 | 571 | 0.658 | ug/l # | 44 |
| 48) Methyl methacrylate | 9.676 | 41 | 1856 | 1.925 | ug/l # | 48 |
| 51) 4-Methyl-2-Pentanone | 10.447 | 43 | 4551 | 3.733 | ug/l # | 61 |
| 52) Toluene | 10.629 | 92 | 750 | 0.323 | ug/l | 85 |
| 54) cis-1,3-Dichloropropene | 10.359 | 75 | 19112 | 12.551 | ug/l # | 65 |
| 56) Ethyl methacrylate | 10.982 | 69 | 1119 | 0.843 | ug/l # | 1 |
| 57) 1,3-Dichloropropane | 11.200 | 76 | 2874 | 1.902 | ug/l # | 43 |
| 59) 2-Hexanone | 11.200 | 43 | 40494 | 44.671 | ug/l # | 61 |
| 74) N-amyl acetate | 12.464 | 43 | 1111 | 0.654 | ug/l # | 46 |
| 76) 1,2,3-Trichloropropane | 12.853 | 75 | 30360 | 31.153 | ug/l # | 1 |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75 | 30360 | 61.269 | ug/l # | 6 |

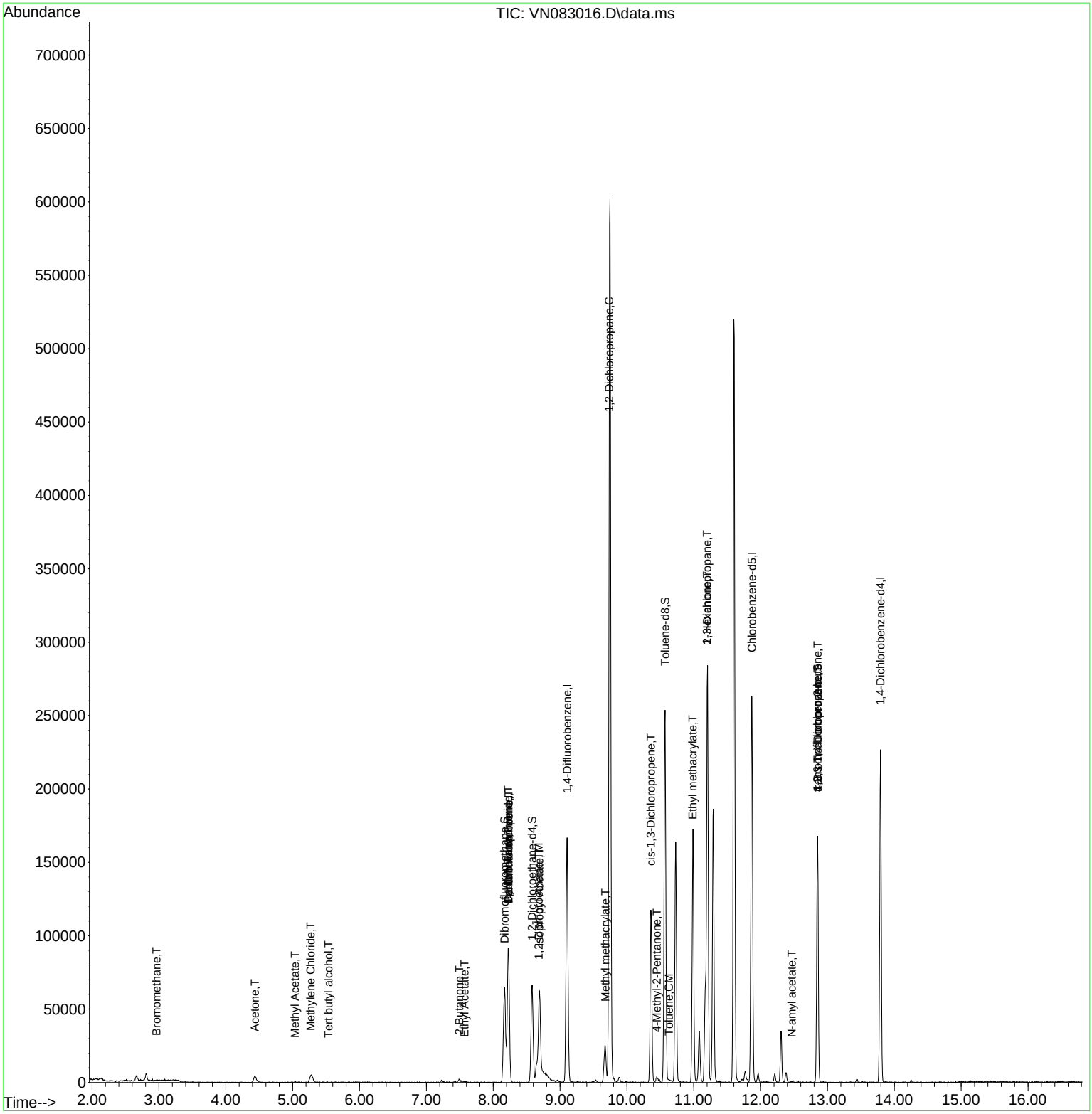
(#) = qualifier out of range (m) = manual integration (+) = signals summed

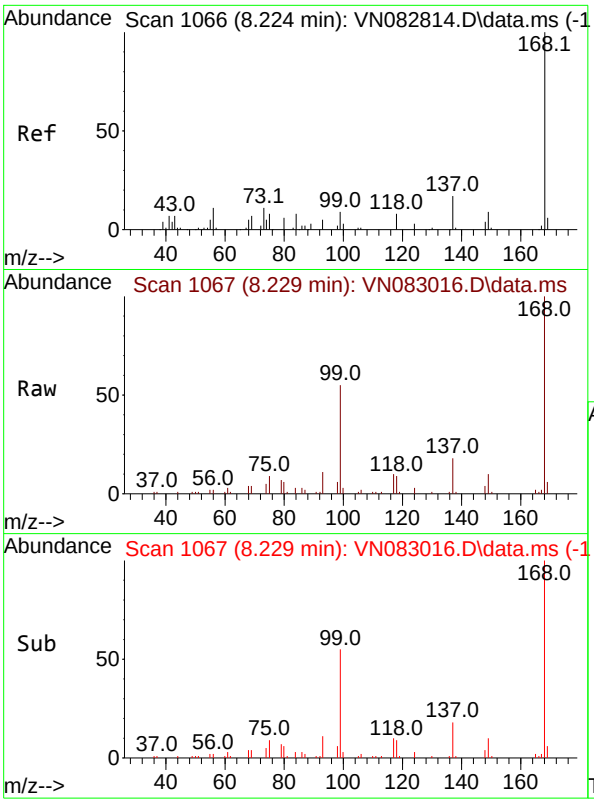
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072324\
Data File : VN083016.D
Acq On : 23 Jul 2024 17:12
Operator : JC\MD
Sample : PB162199ZHE#01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 24 02:30:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration



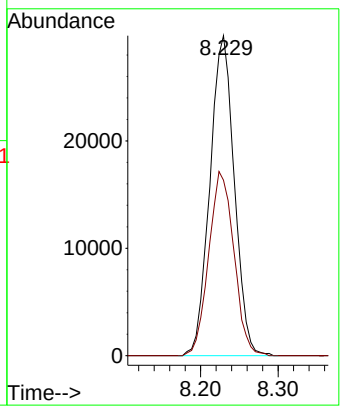


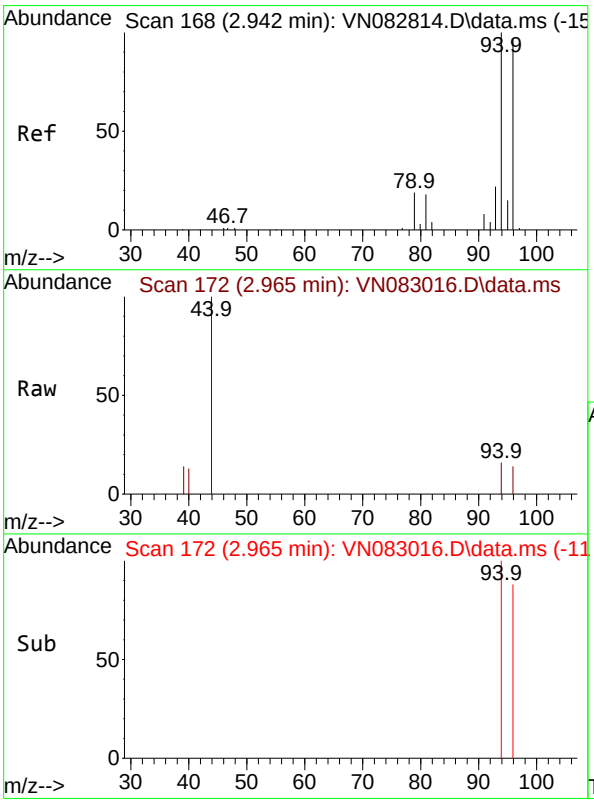

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion:168 Resp: 65188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.8 | 48.2 | 72.4 |

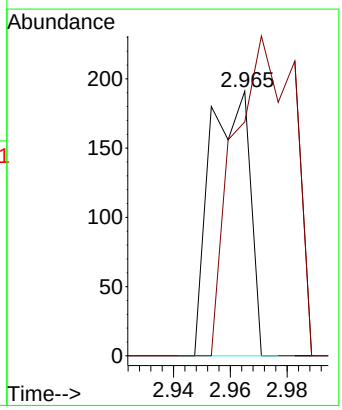


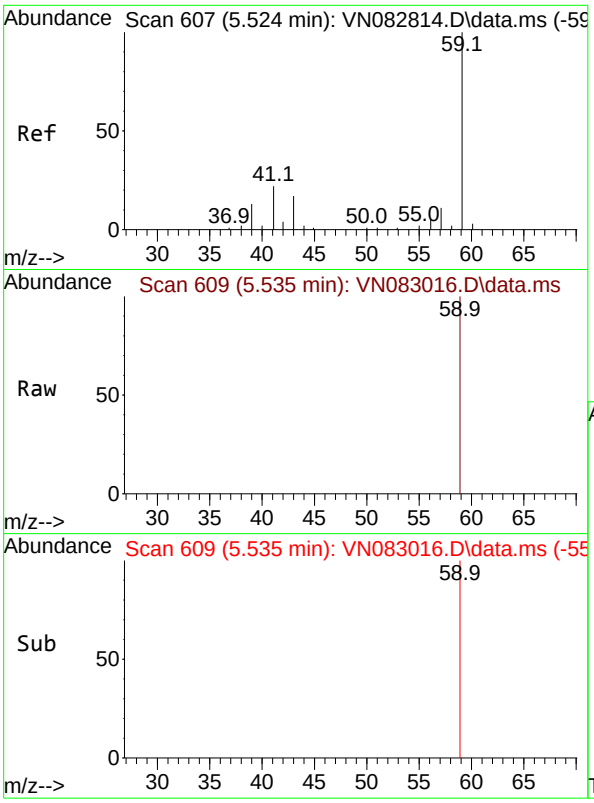




#5
Bromomethane
Concen: 0.307 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 94 Resp: 186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.5 | 78.0 | 117.0 |



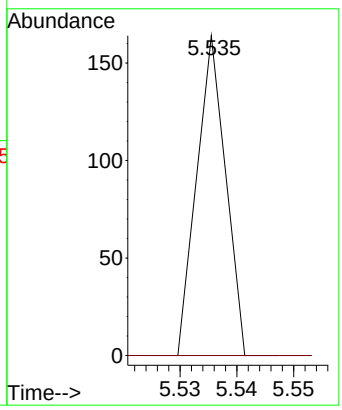


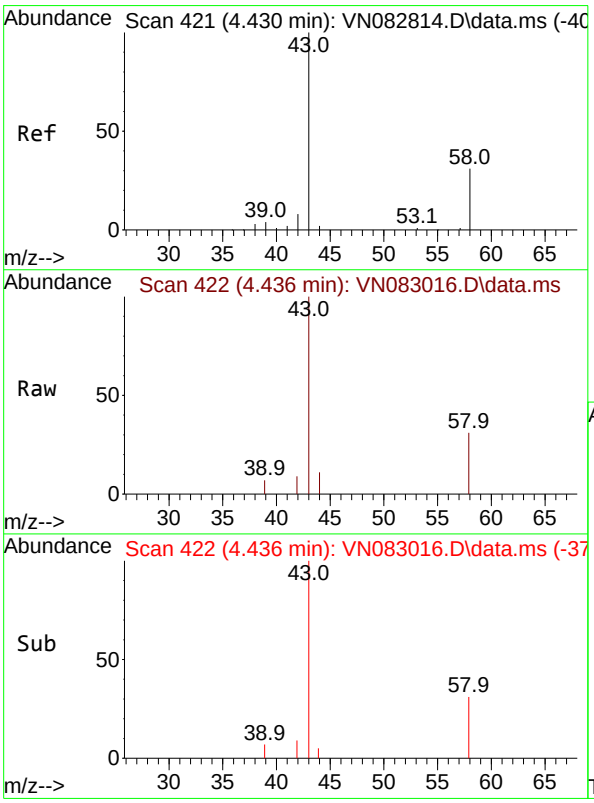

#11
Tert butyl alcohol
Concen: 0.377 ug/l
RT: 5.535 min Scan# 6
Delta R.T. 0.011 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 59 Resp: 58

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.9 | 13.3# |

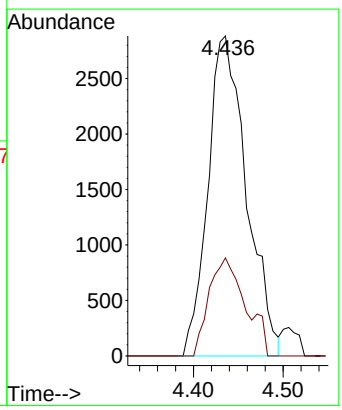


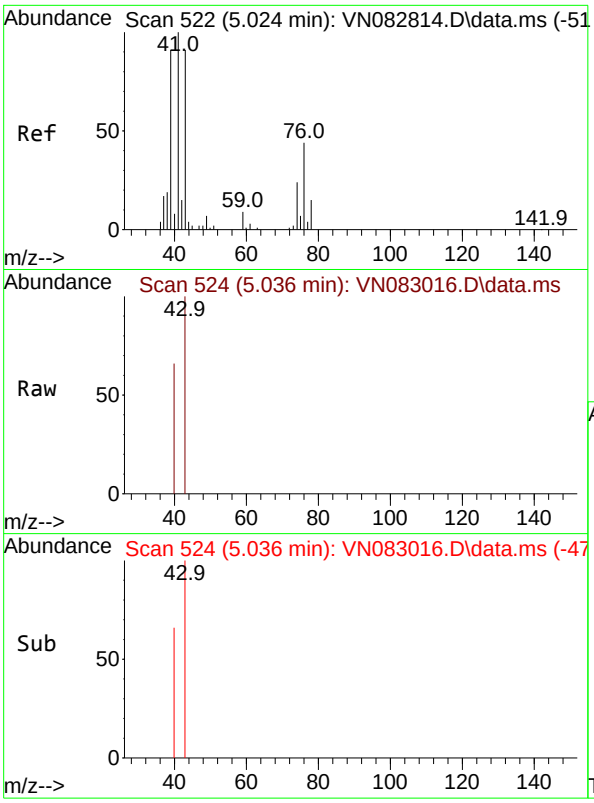




#16
Acetone
Concen: 26.765 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 43 Resp: 8611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 21.8 | 32.6 |



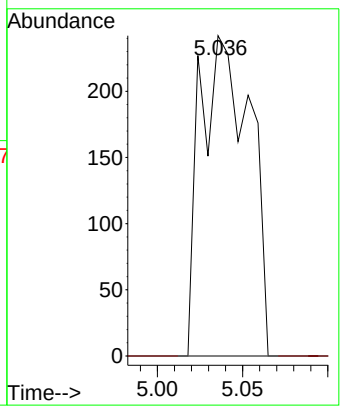


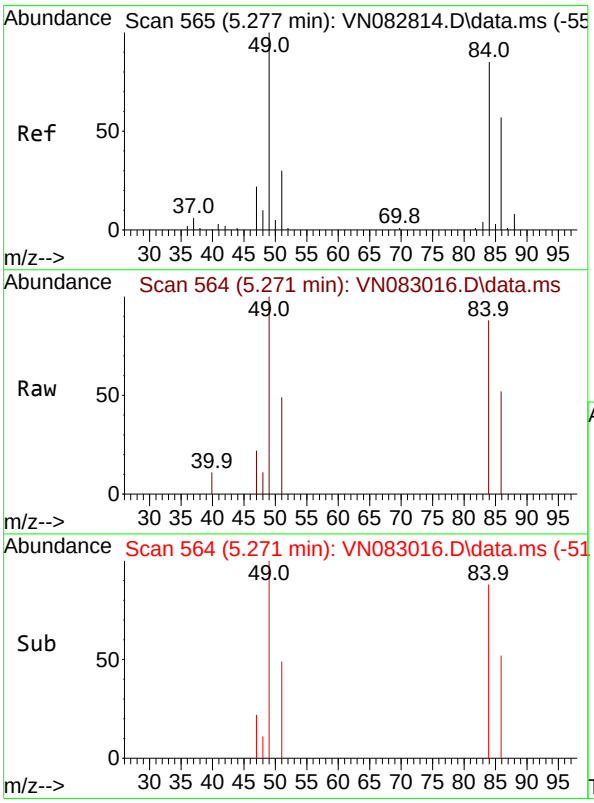

#18
Methyl Acetate
Concen: 0.573 ug/l
RT: 5.036 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 43 Resp: 488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 16.3 | 24.5# |

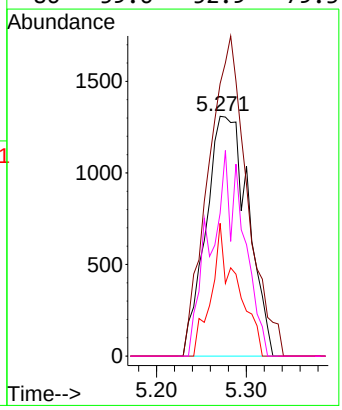


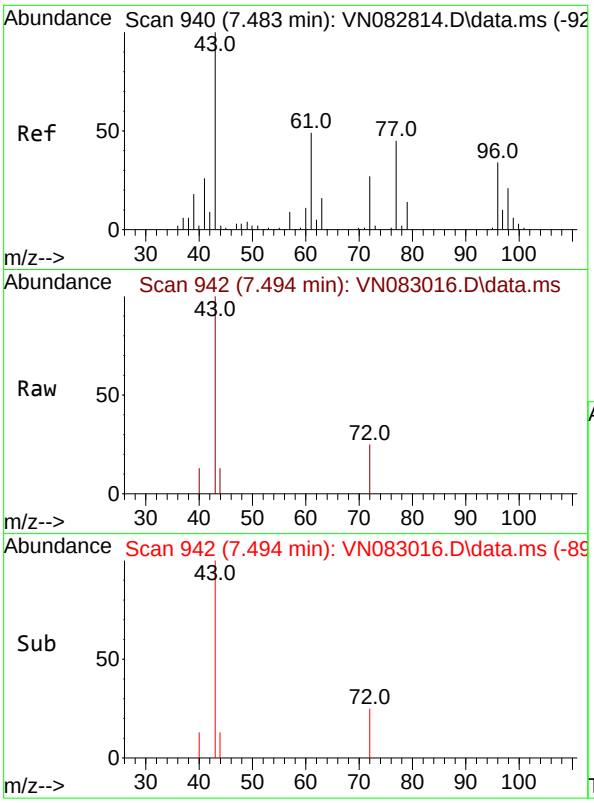




#20
Methylene Chloride
Concen: 5.527 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 84 Resp: 4294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 113.7 | 119.6 | 179.4# |
| 51 | 55.4 | 34.8 | 52.2# |
| 86 | 59.6 | 52.9 | 79.3 |



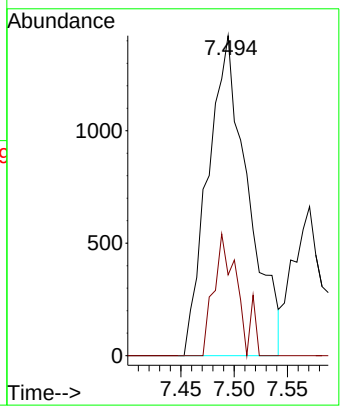


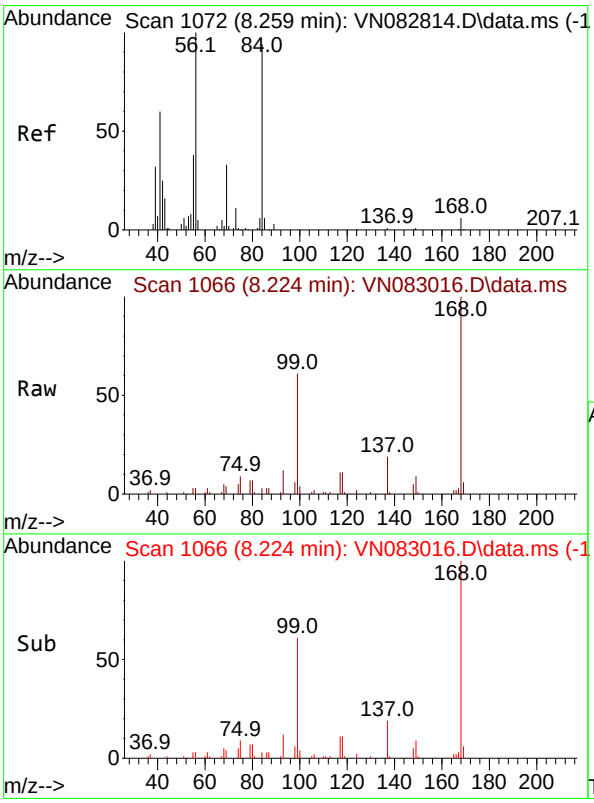

#25
2-Butanone
Concen: 7.647 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 43 Resp: 3715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 18.2 | 27.2 |

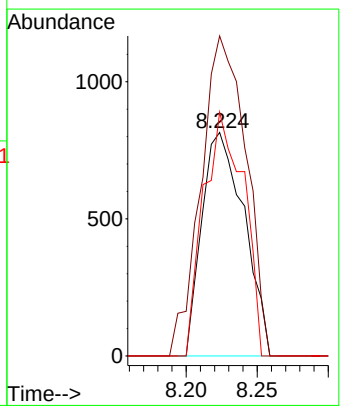


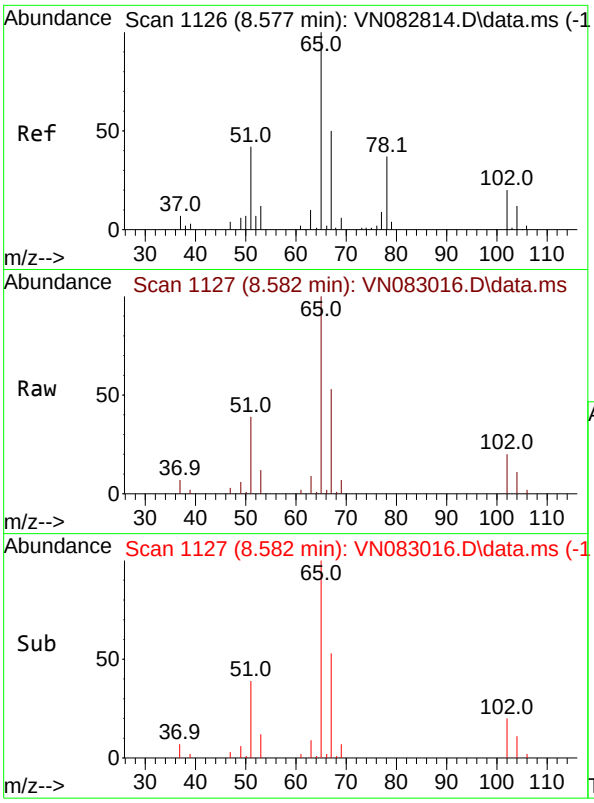




#31
Cyclohexane
Concen: 1.405 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 56 Resp: 1679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 143.2 | 24.5 | 36.7# |
| 84 | 109.1 | 66.0 | 99.0# |



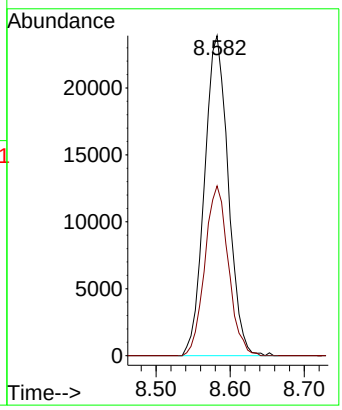


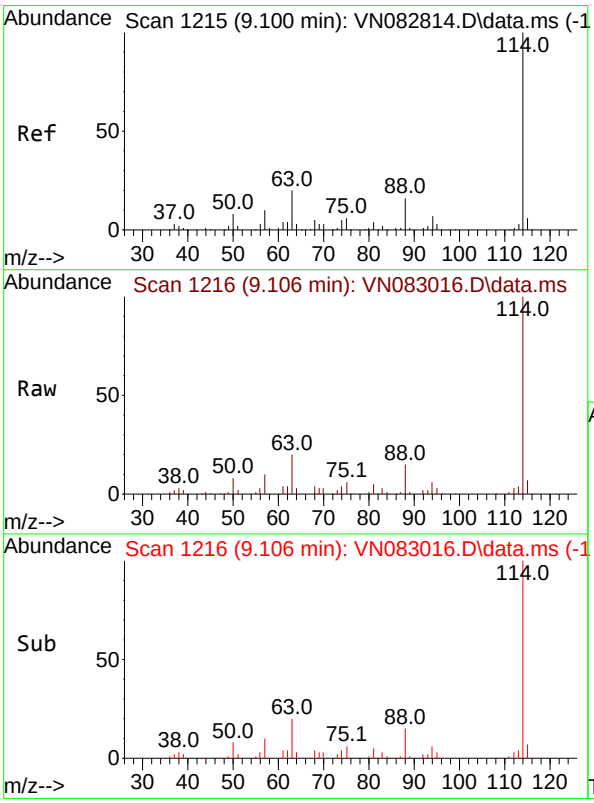

#33
1,2-Dichloroethane-d4
Concen: 58.153 ug/l
RT: 8.582 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 65 Resp: 53140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 104.4 |

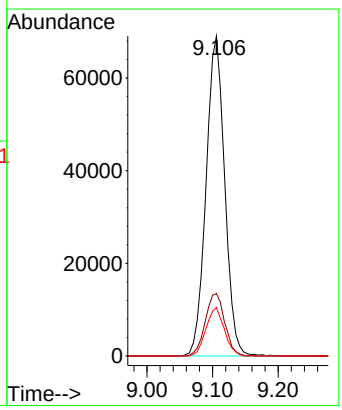


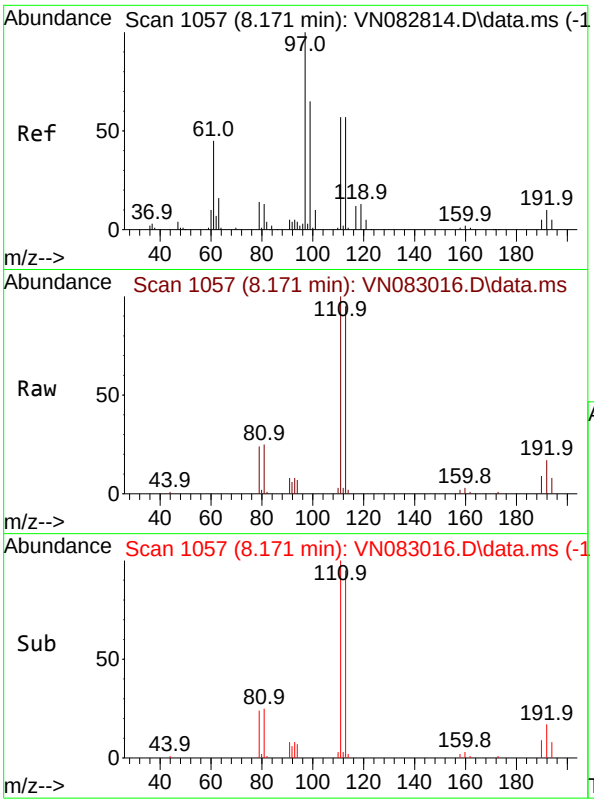




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion:114 Resp: 136542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 44.6 |
| 88 | 15.1 | 0.0 | 31.4 |



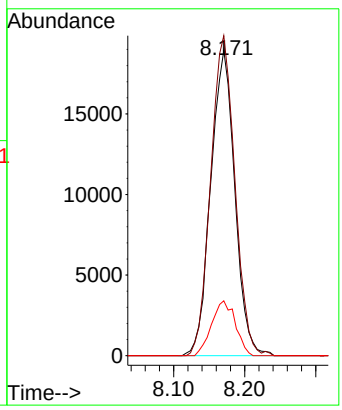


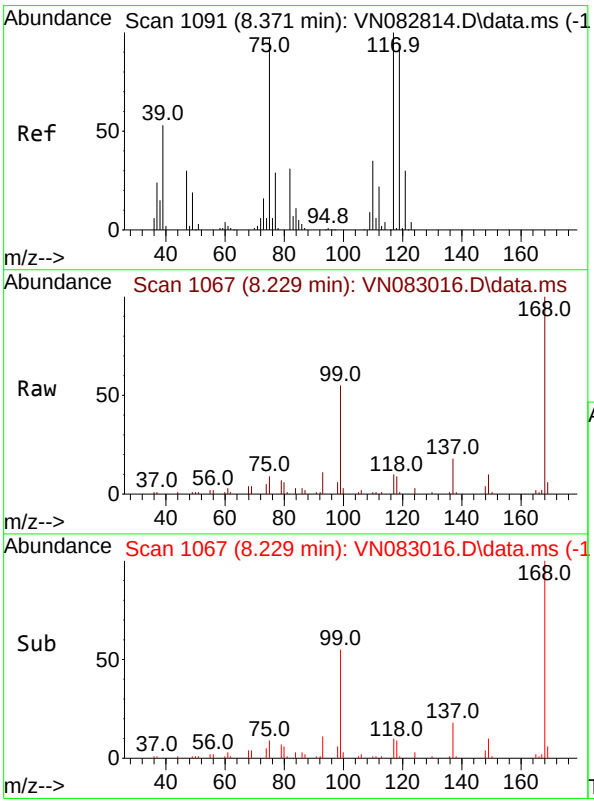

#35
Dibromofluoromethane
Concen: 50.926 ug/l
RT: 8.171 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion:113 Resp: 44619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.1 | 82.4 | 123.6 |
| 192 | 17.7 | 14.9 | 22.3 |

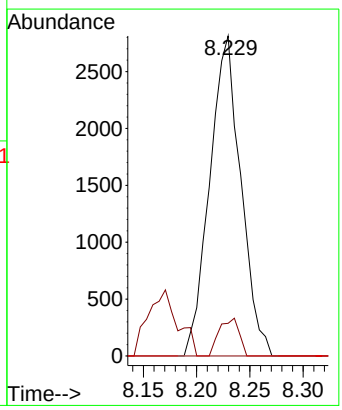


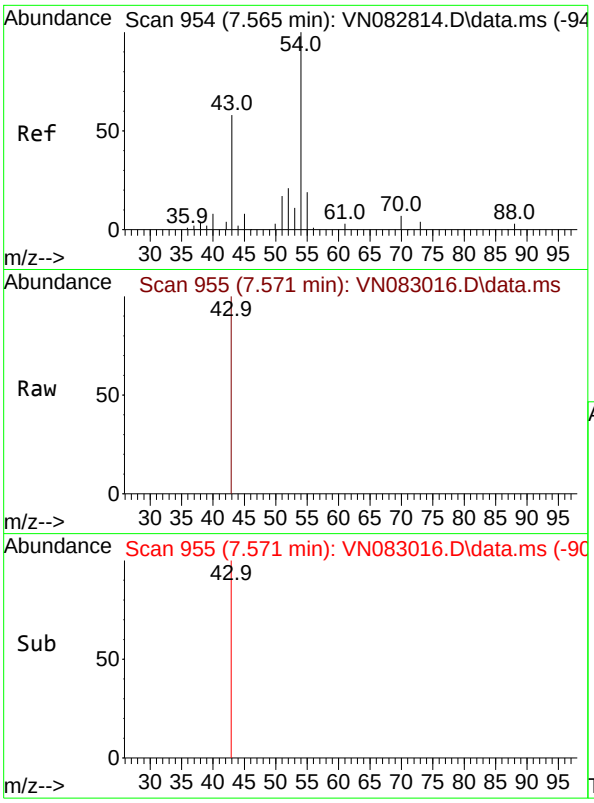




#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 75 Resp: 5723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 7.6 | 16.3 | 48.9# |
| 77 | 0.0 | 24.6 | 37.0# |



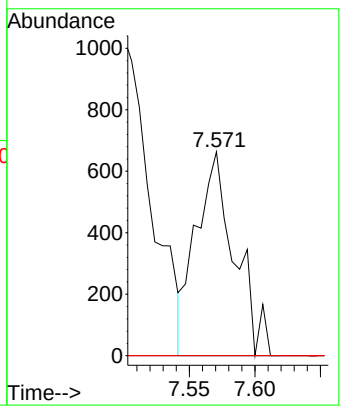


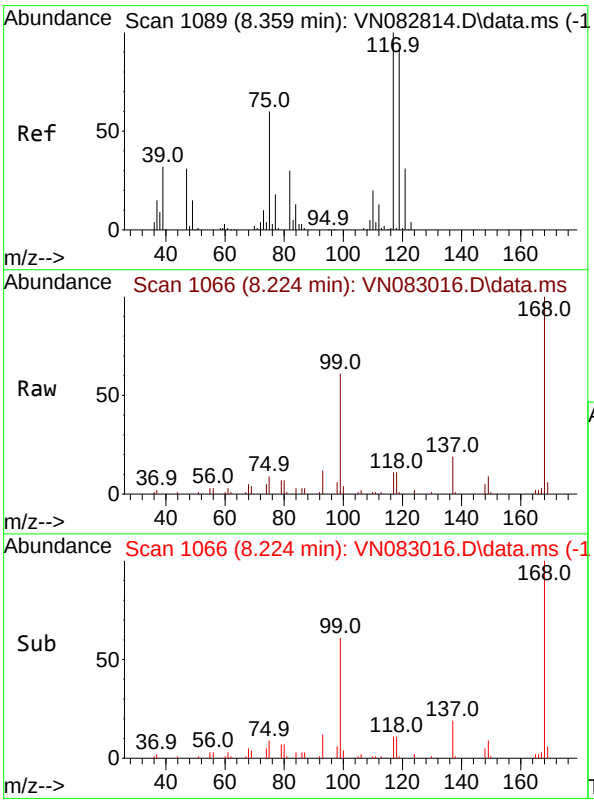

#37
Ethyl Acetate
Concen: 1.104 ug/l
RT: 7.571 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 43 Resp: 1358

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

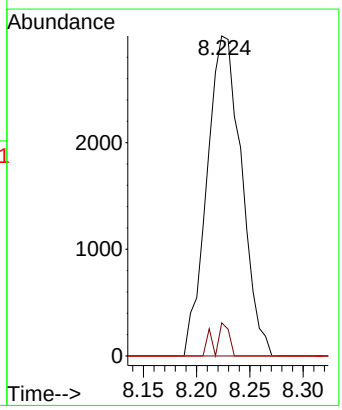


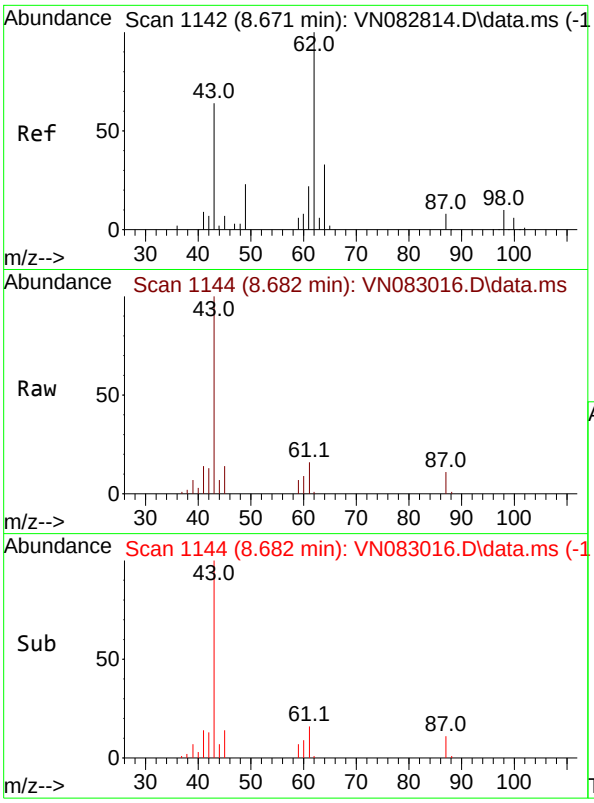




#38
Carbon Tetrachloride
Concen: 4.651 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion:117 Resp: 6764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 10.3 | 74.9 | 112.3# |
| 121 | 0.0 | 24.3 | 36.5# |



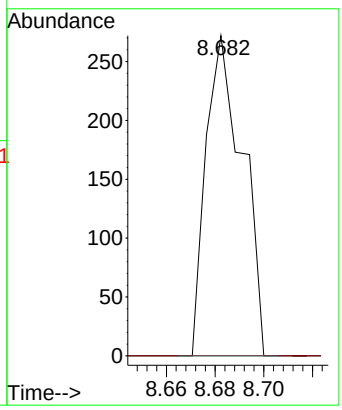


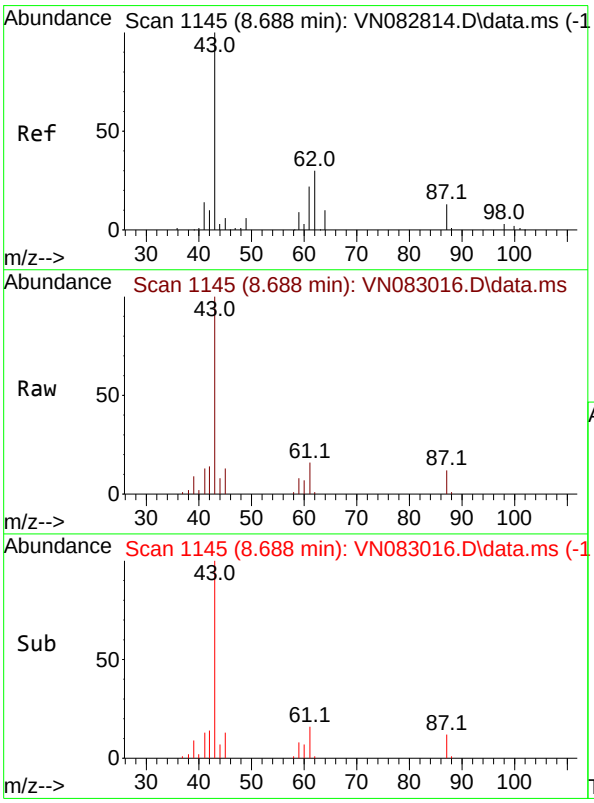

#42
1,2-Dichloroethane
Concen: 0.212 ug/l
RT: 8.682 min Scan# 1
Delta R.T. 0.011 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 62 Resp: 284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 0.0 | 15.8 |

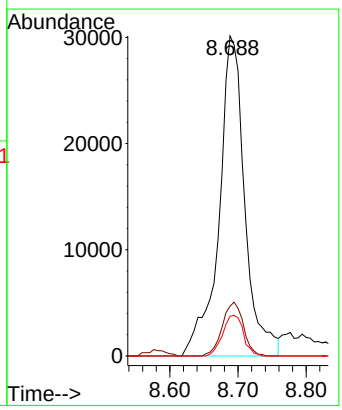


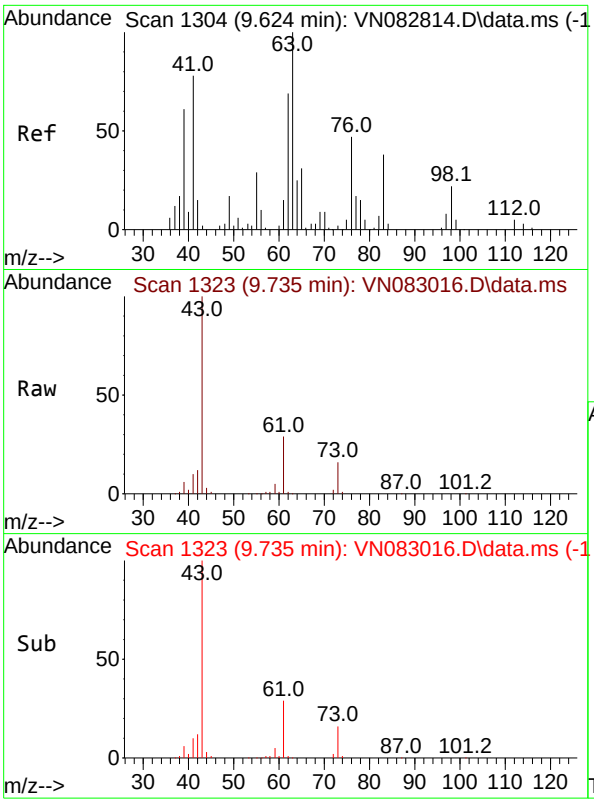




#43
Isopropyl Acetate
Concen: 33.268 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 43 Resp: 79450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.7 | 17.8 | 26.6# |
| 87 | 10.2 | 8.2 | 12.2 |



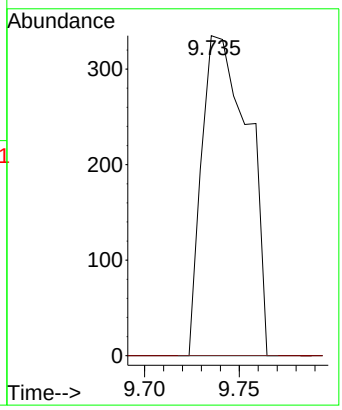


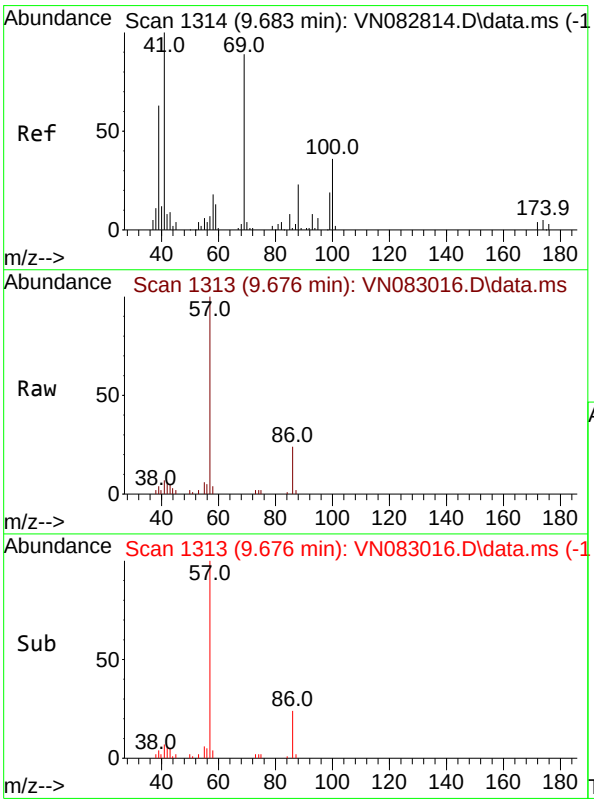

#45
1,2-Dichloropropane
Concen: 0.658 ug/l
RT: 9.735 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 63 Resp: 571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 0.0 | 24.4 | 36.6# |

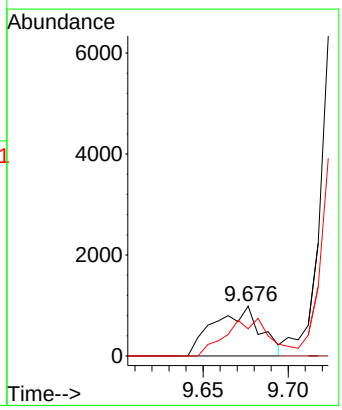


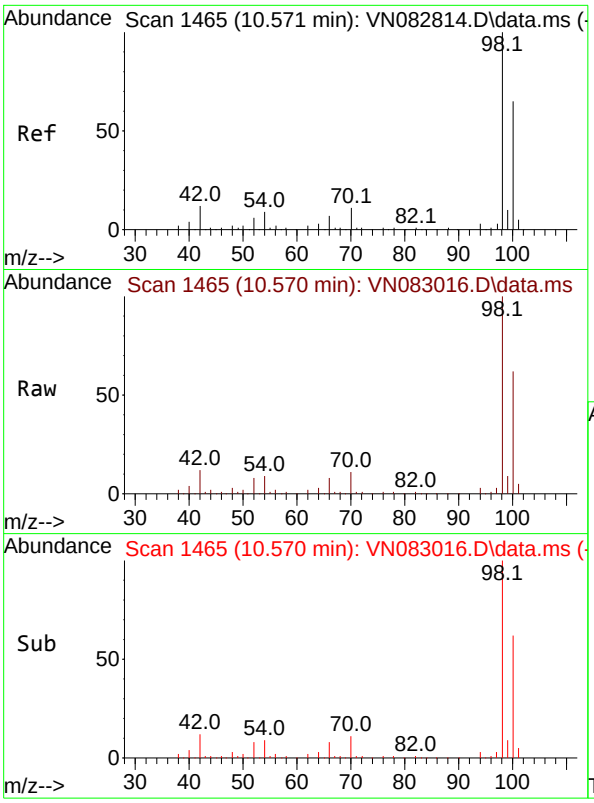




#48
Methyl methacrylate
Concen: 1.925 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 41 Resp: 1856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 56.3 | 84.5# |
| 39 | 74.5 | 50.3 | 75.5 |



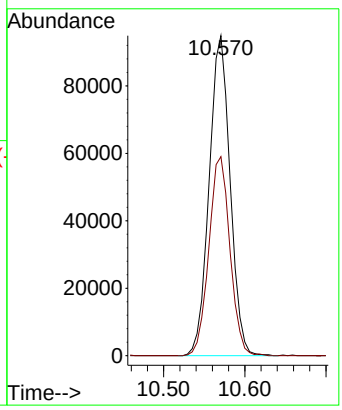


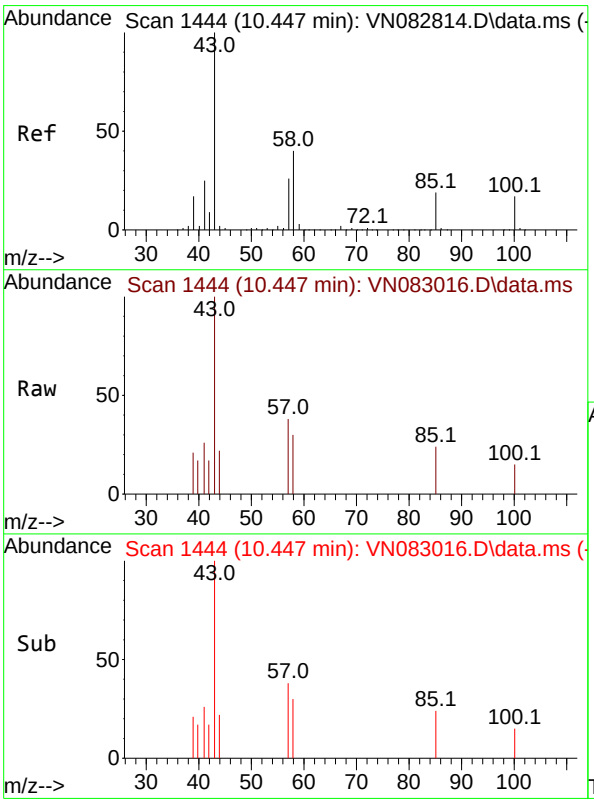

#50
Toluene-d8
Concen: 52.567 ug/l
RT: 10.570 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 98 Resp: 170111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.6 | 51.5 | 77.3 |

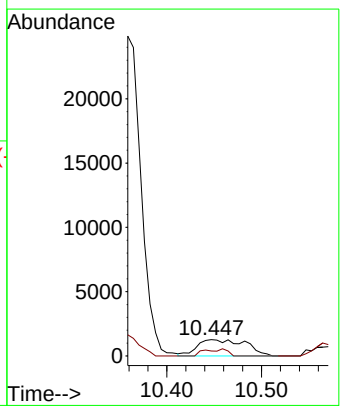


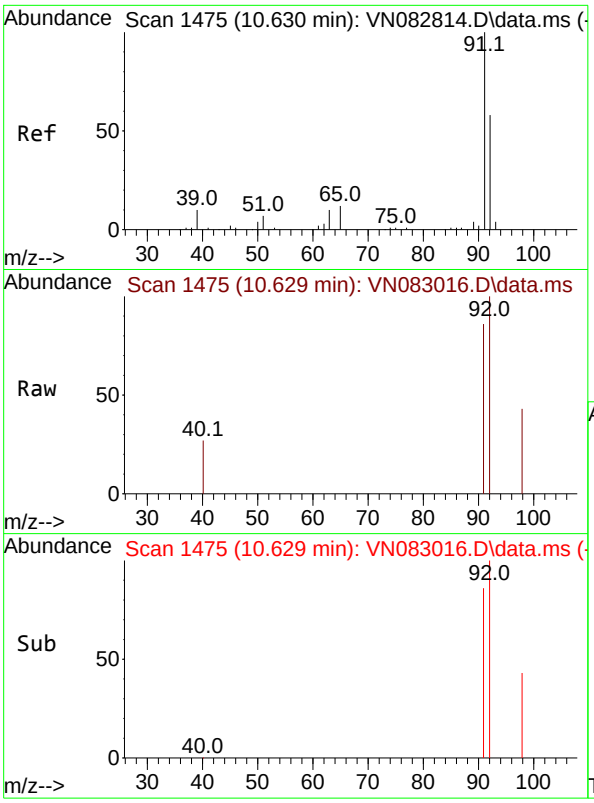




#51
4-Methyl-2-Pentanone
Concen: 3.733 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 43 Resp: 4551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 12.6 | 28.2 | 42.4# |



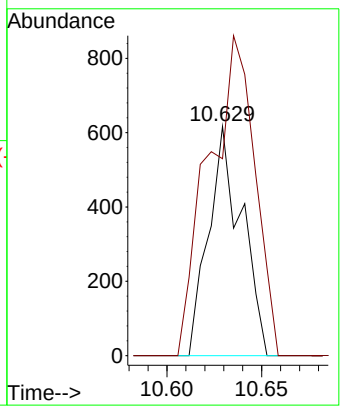


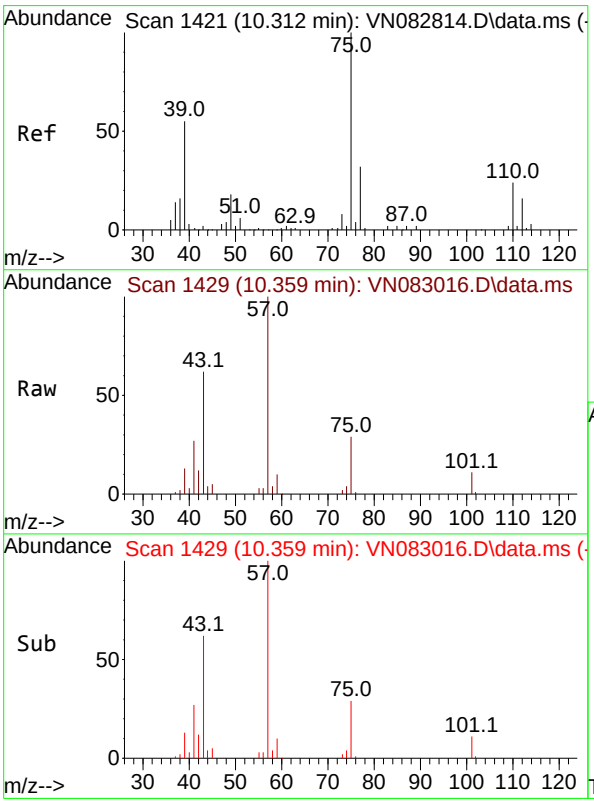

#52
Toluene
Concen: 0.323 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 92 Resp: 750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 194.9 | 139.4 | 209.0 |

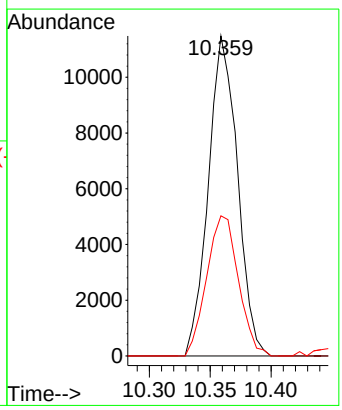


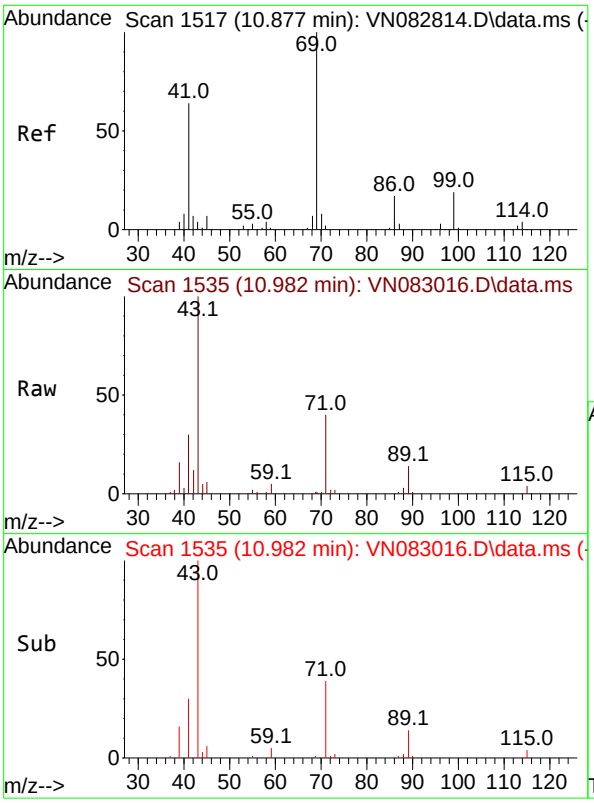




#54
cis-1,3-Dichloropropene
Concen: 12.551 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 75 Resp: 19112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 24.3 | 36.5# |
| 39 | 43.8 | 50.5 | 75.7# |



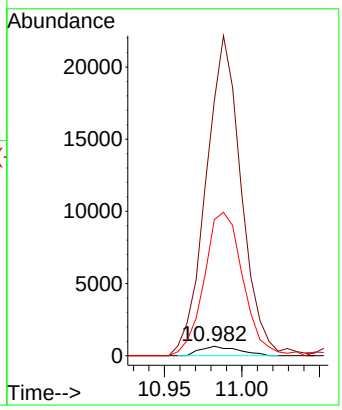


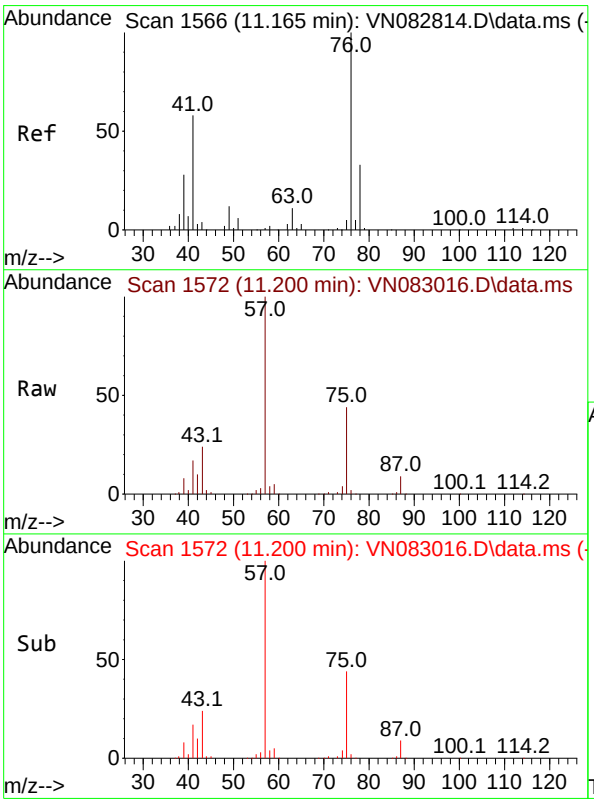

#56
Ethyl methacrylate
Concen: 0.843 ug/l
RT: 10.982 min Scan# 1
Delta R.T. 0.106 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 69 Resp: 1119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 3146.9 | 63.4 | 95.2# |
| 39 | 1544.6 | 37.4 | 56.0# |

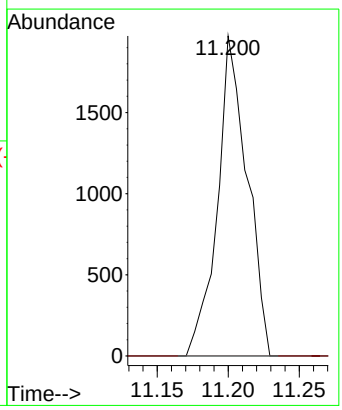


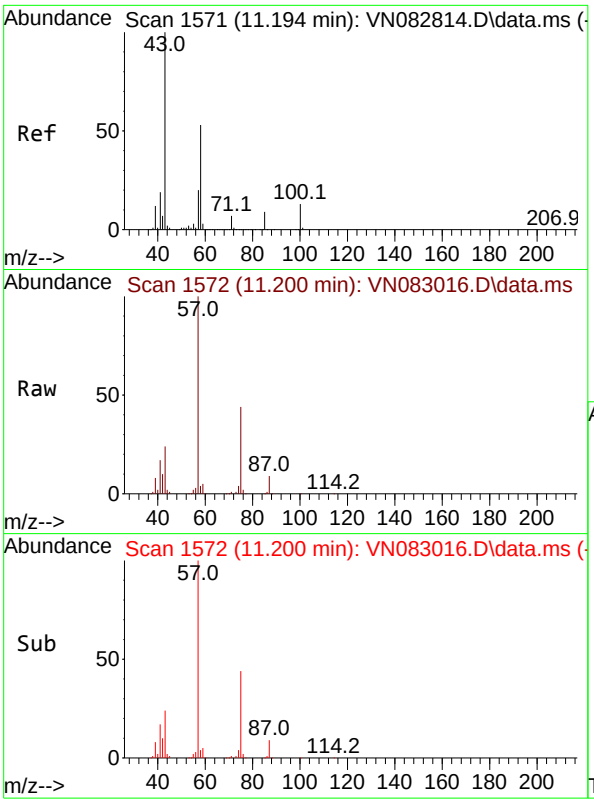




#57
1,3-Dichloropropane
Concen: 1.902 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 76 Resp: 2874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.6 | 38.4# |



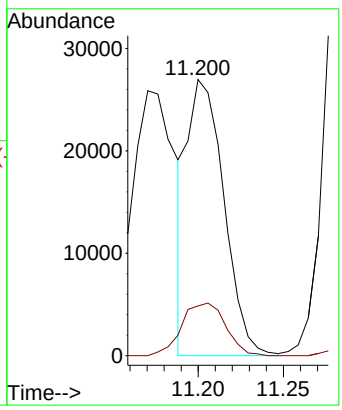


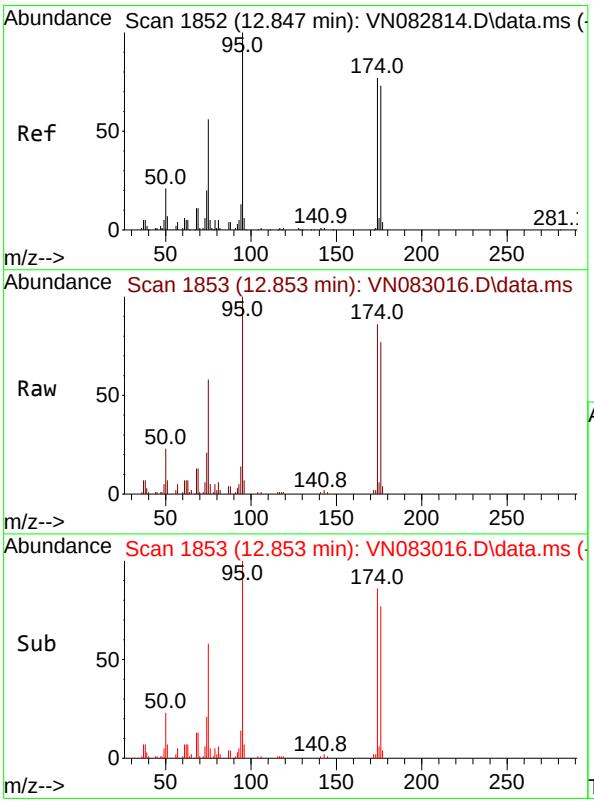

#59
2-Hexanone
Concen: 44.671 ug/l
RT: 11.200 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 43 Resp: 40494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.8 | 24.6 | 73.8# |

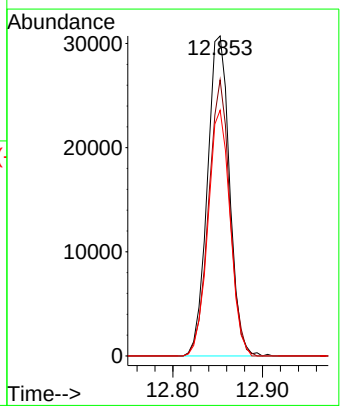


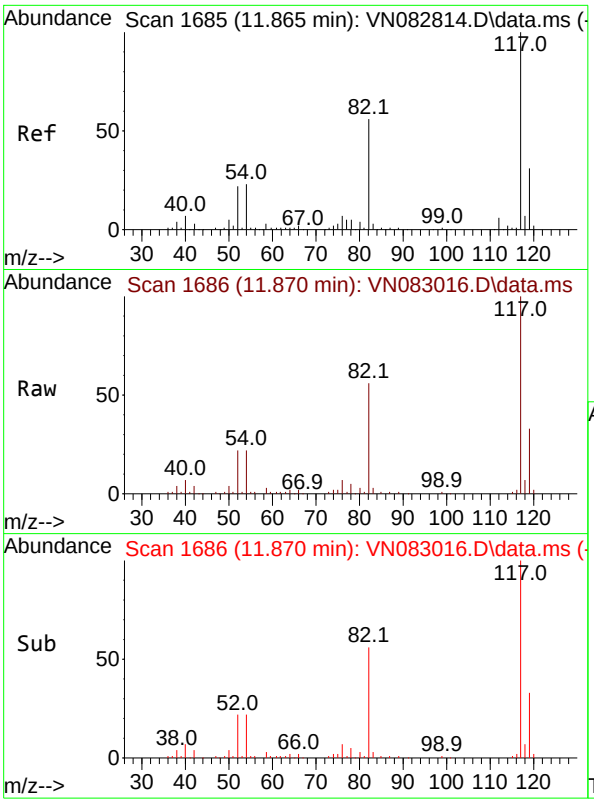




#62
4-Bromofluorobenzene
Concen: 45.313 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 95 Resp: 52673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.8 | 0.0 | 159.2 |
| 176 | 76.4 | 0.0 | 147.6 |



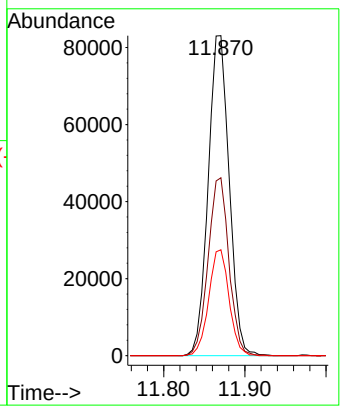


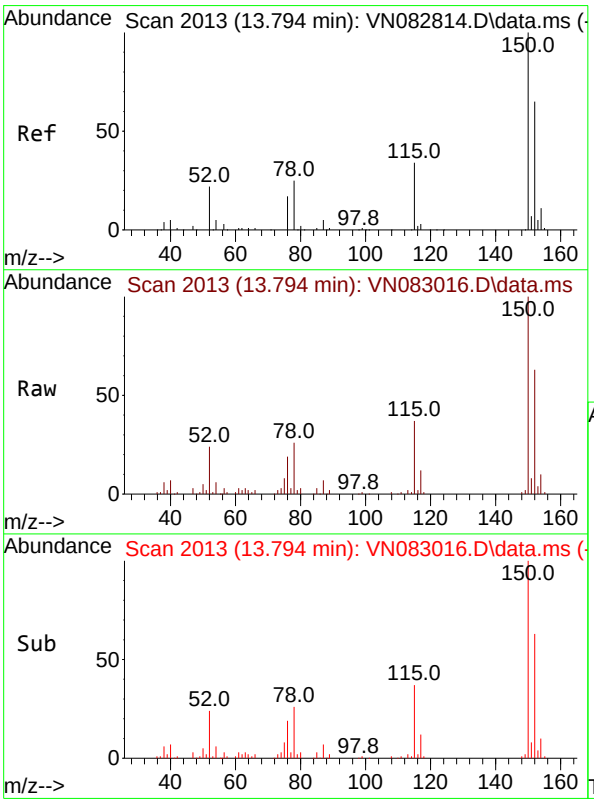

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion:117 Resp: 149388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 47.5 | 71.3 |
| 119 | 33.1 | 25.6 | 38.4 |

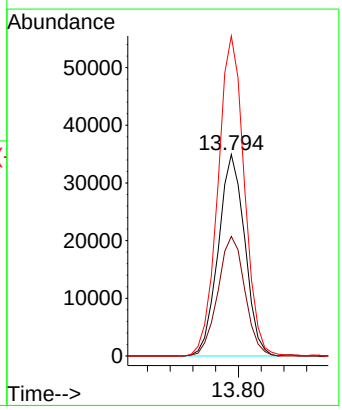


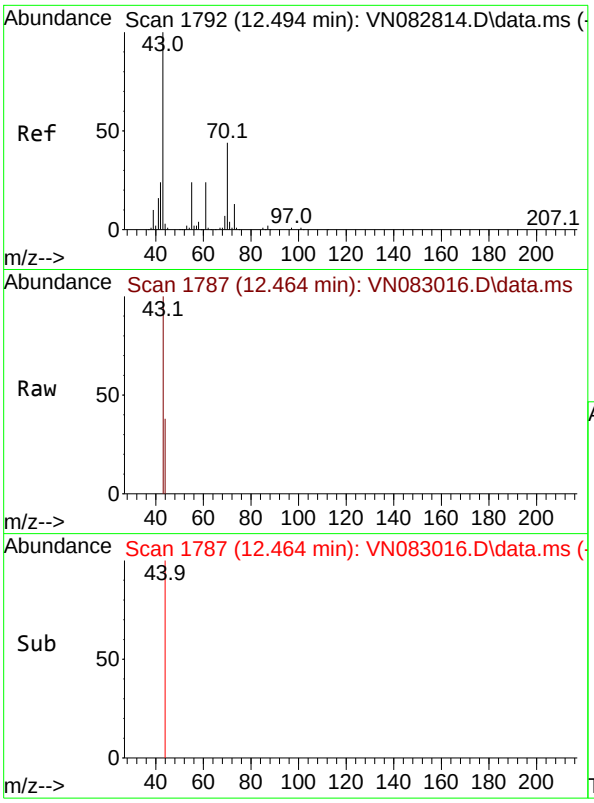




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion:152 Resp: 56526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.5 | 30.6 | 91.6 |
| 150 | 158.4 | 0.0 | 348.6 |



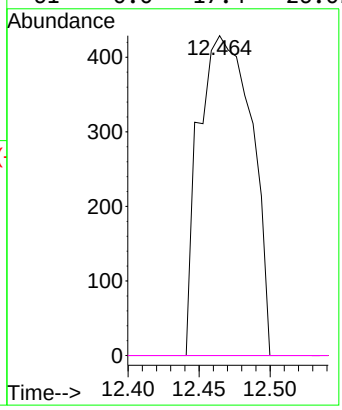


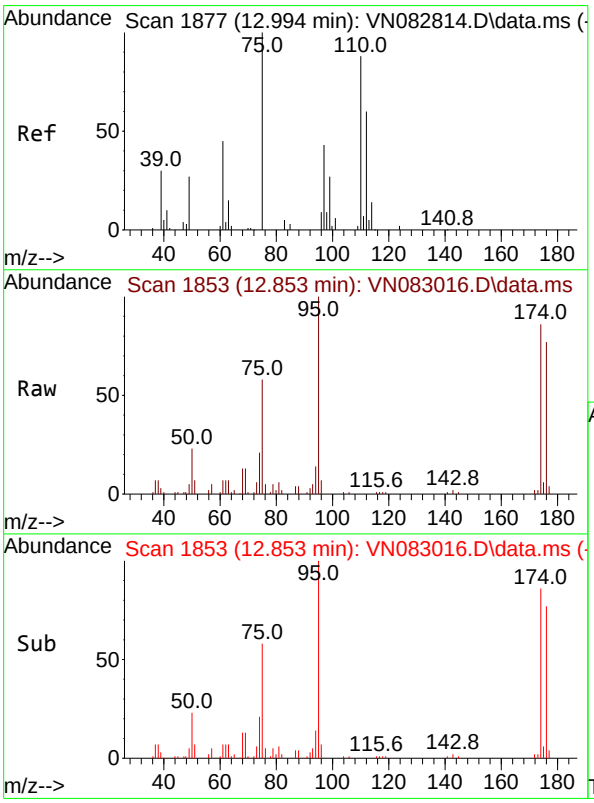

#74
N-amyl acetate
Concen: 0.654 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 43 Resp: 1111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 29.8 | 44.6# |
| 55 | 0.0 | 18.7 | 28.1# |
| 61 | 0.0 | 17.4 | 26.0# |

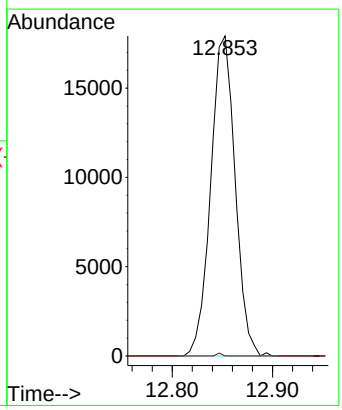


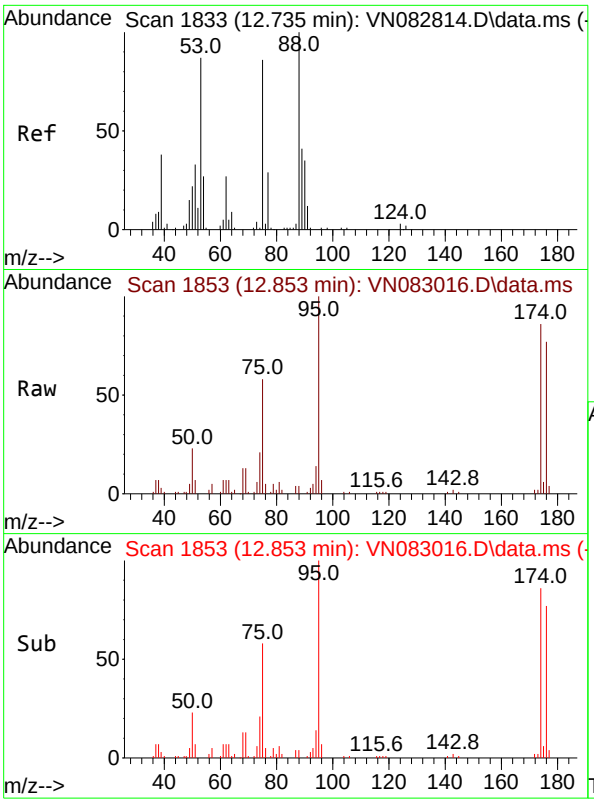




#76
1,2,3-Trichloropropane
Concen: 31.153 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

Tgt Ion: 75 Resp: 30360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.2 | 110.9 | 332.6# |






#81
trans-1,4-Dichloro-2-butene
Concen: 61.269 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN083016.D
Acq: 23 Jul 2024 17:12

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

Tgt Ion: 75 Resp: 30360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 88.4 | 132.6# |
| 89 | 0.0 | 36.3 | 54.5# |