Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
Data File : VN077200.D
Acq On : 27 Mar 2023 13:28
Operator : JC\MD
Sample : VN0327WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Quant Time: Mar 28 06:42:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 24 05:55:38 2023
Response via : Initial Calibration

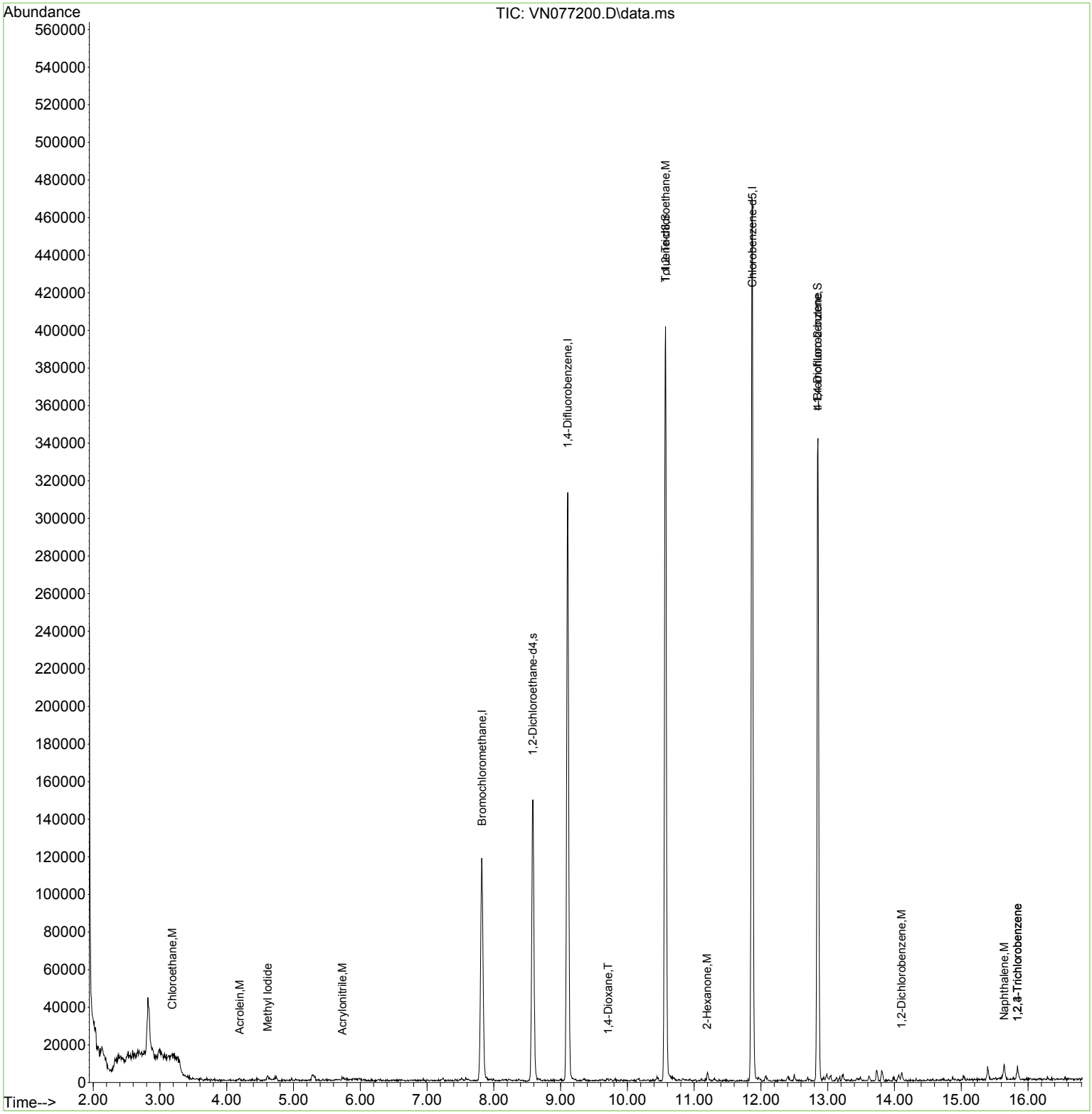
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Bromochloromethane | 7.825 | 128 | 39913 | 30.000 | ug/l | | 0.00 |
| 28) 1,4-Difluorobenzene | 9.107 | 114 | 252990 | 30.000 | ug/l | | 0.00 |
| 57) Chlorobenzene-d5 | 11.871 | 117 | 258568 | 30.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.583 | 65 | 120630 | 29.760 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 91 - 110 | | Recovery = 99.200% | | | | |
| 60) 4-Bromofluorobenzene | 12.848 | 95 | 112470 | 24.213 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 63 - 112 | | Recovery = 80.700% | | | | |
| 63) Toluene-d8 | 10.572 | 98 | 281167 | 30.462 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 91 - 112 | | Recovery = 101.533% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 6) Chloroethane | 3.184 | 64 | 1548 | 0.315 | ug/l | | 92 |
| 11) Methyl Iodide | 4.613 | 142 | 2874 | 0.650 | ug/l | | 76 |
| 13) Acrolein | 4.195 | 56 | 636 | 0.524 | ug/l | # | 49 |
| 14) Acrylonitrile | 5.731 | 53 | 571 | 0.210 | ug/l | # | 44 |
| 45) 1,4-Dioxane | 9.713 | 88 | 125 | 1.347 | ug/l | # | 1 |
| 50) 1,1,2-Trichloroethane | 10.572 | 97 | 10804 | 2.390 | ug/l | # | 1 |
| 59) 2-Hexanone | 11.195 | 43 | 2539 | 0.522 | ug/l | # | 91 |
| 77) t-1,4-Dichloro-2-butene | 12.848 | 75 | 61869 | 35.111 | ug/l | # | 9 |
| 87) 1,2-Dichlorobenzene | 14.107 | 146 | 1982 | 0.251 | ug/l | # | 56 |
| 89) 1,2,4-Trichlorobenzene | 15.842 | 180 | 2071 | 0.588 | ug/l | | 98 |
| 91) Naphthalene | 15.642 | 128 | 7546 | 0.653 | ug/l | # | 91 |
| 92) 1,2,3-Trichlorobenzene | 15.842 | 180 | 2071 | 0.592 | ug/l | | 98 |

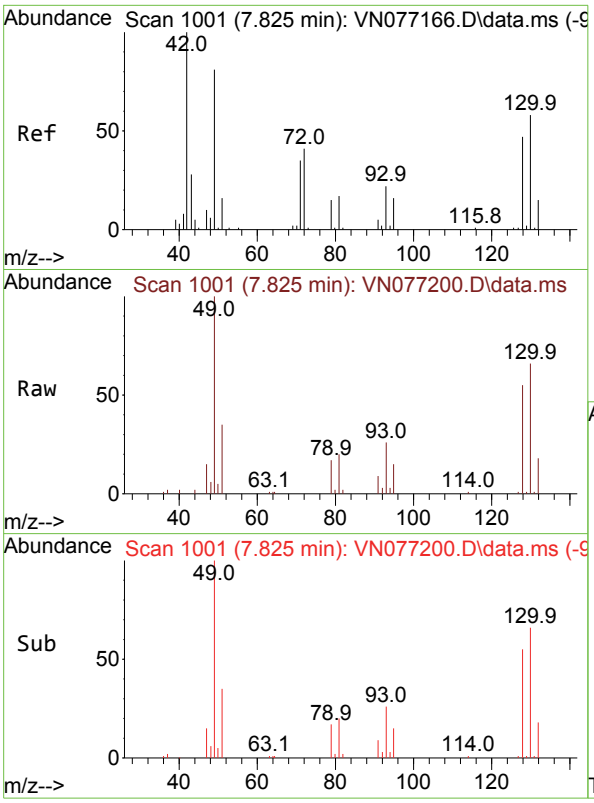
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
Data File : VN077200.D
Acq On : 27 Mar 2023 13:28
Operator : JC\MD
Sample : VN0327WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Quant Time: Mar 28 06:42:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 24 05:55:38 2023
Response via : Initial Calibration



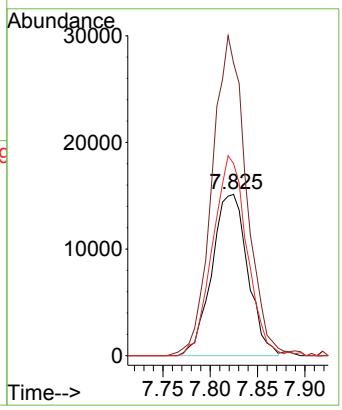


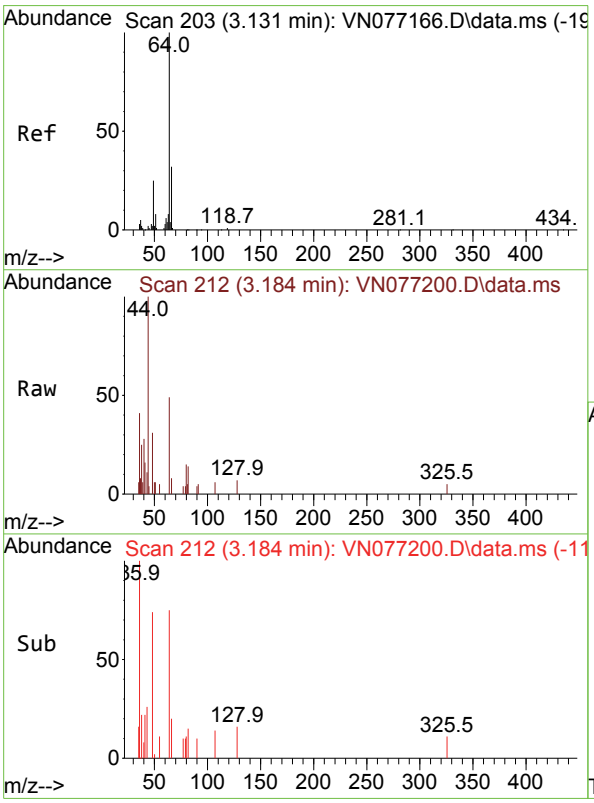

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion:128 Resp: 39913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 188.7 | 0.0 | 461.8 |
| 130 | 118.3 | 0.0 | 295.3 |

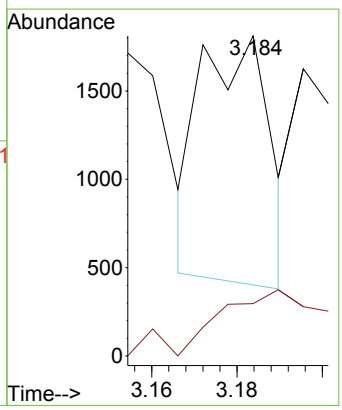


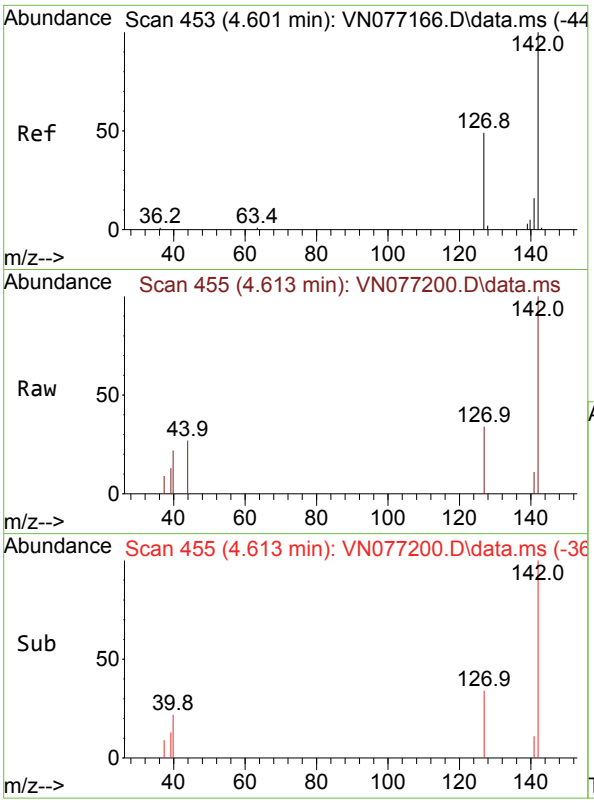




#6
Chloroethane
Concen: 0.315 ug/l
RT: 3.184 min Scan# 212
Delta R.T. 0.053 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion: 64 Resp: 1548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.0 | 23.8 | 35.6 |



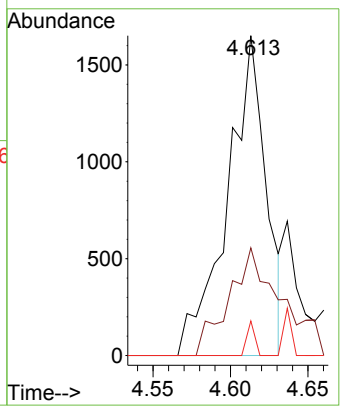


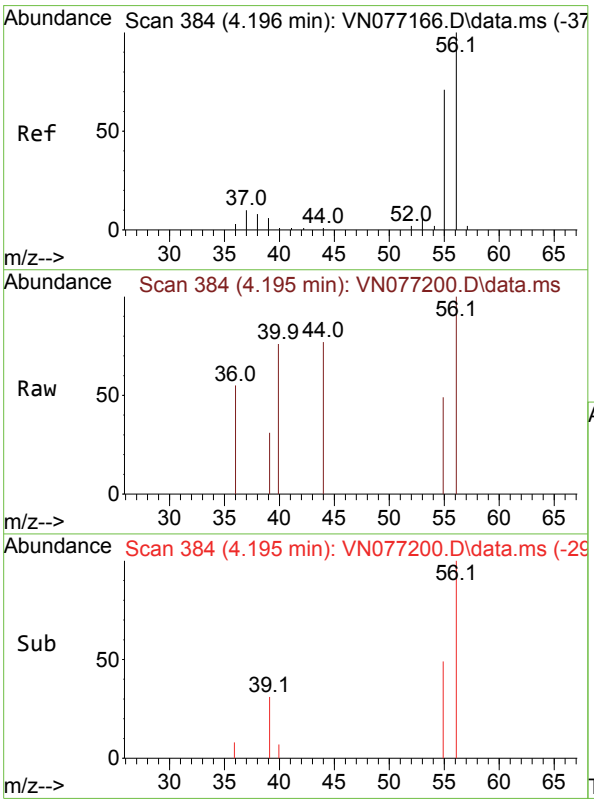

#11
Methyl Iodide
Concen: 0.650 ug/l
RT: 4.613 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion:142 Resp: 2874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 29.7 | 25.0 | 75.0 |
| 141 | 12.9 | 8.0 | 24.0 |

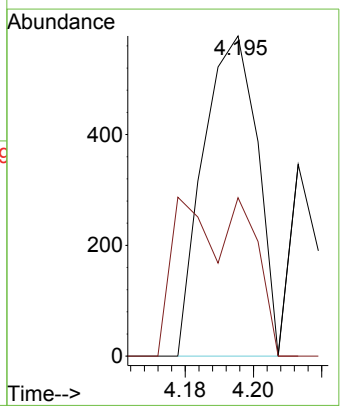


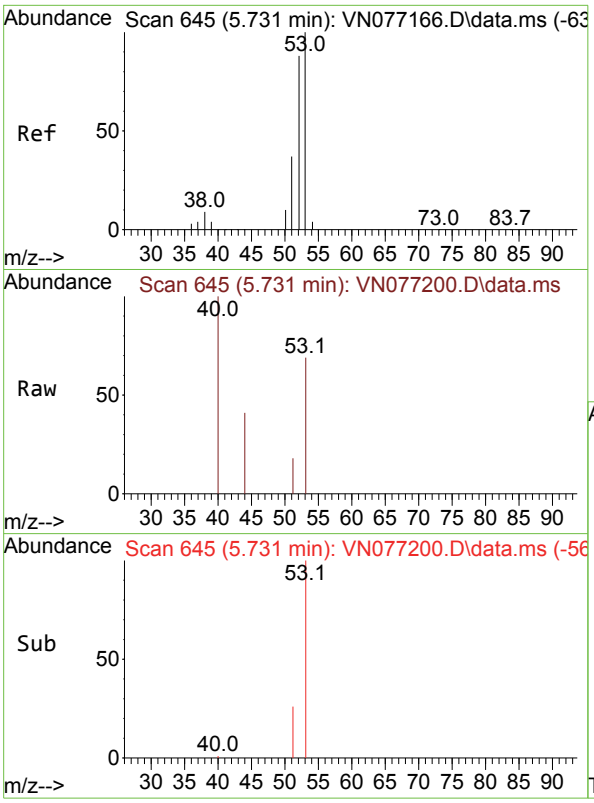




#13
Acrolein
Concen: 0.524 ug/l
RT: 4.195 min Scan# 384
Delta R.T. -0.001 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion: 56 Resp: 636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 27.4 | 55.0 | 82.4# |



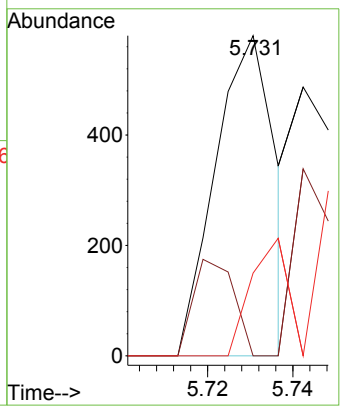


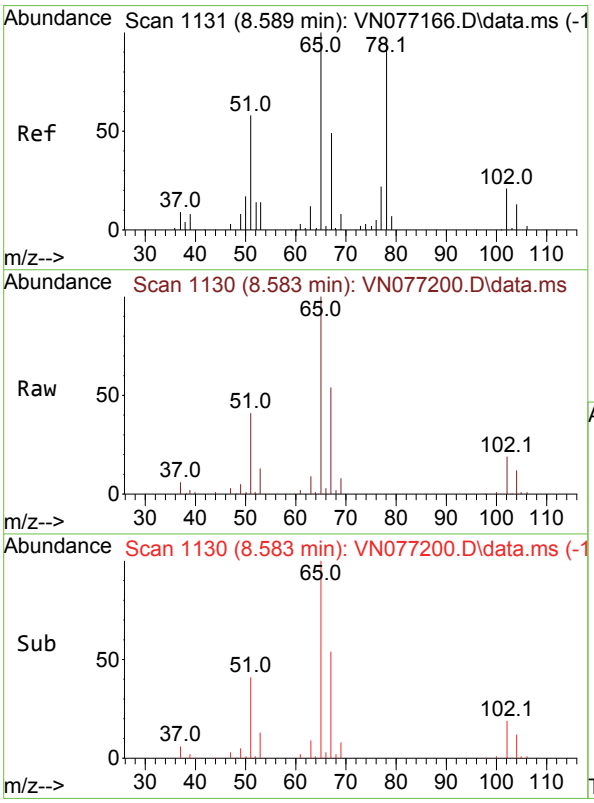

#14
Acrylonitrile
Concen: 0.210 ug/l
RT: 5.731 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion: 53 Resp: 571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 20.1 | 41.5 | 124.6# |
| 51 | 22.4 | 17.6 | 52.8 |

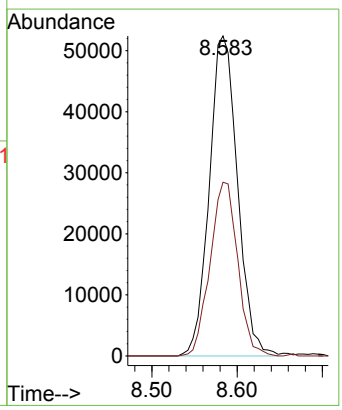


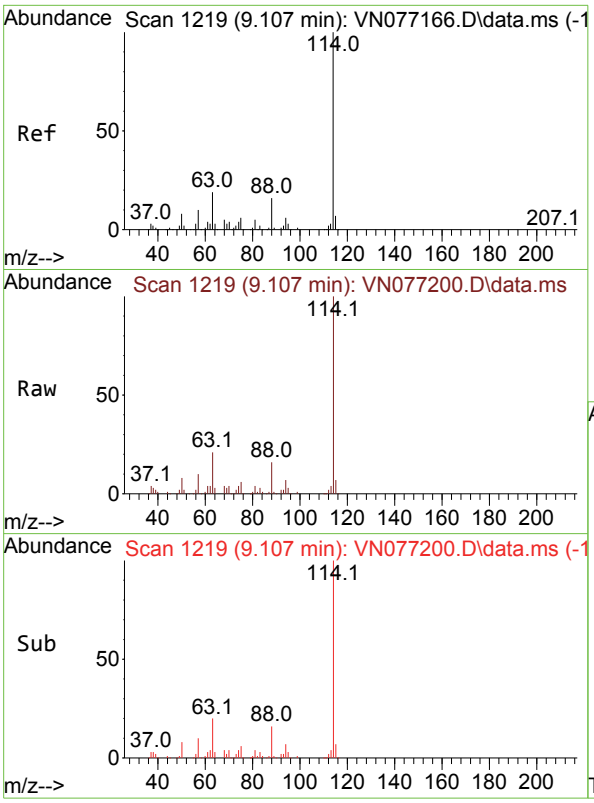




#27
1,2-Dichloroethane-d4
Concen: 29.760 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion: 65 Resp: 120630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 40.9 | 61.3 |



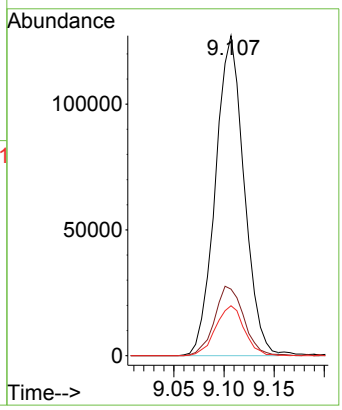


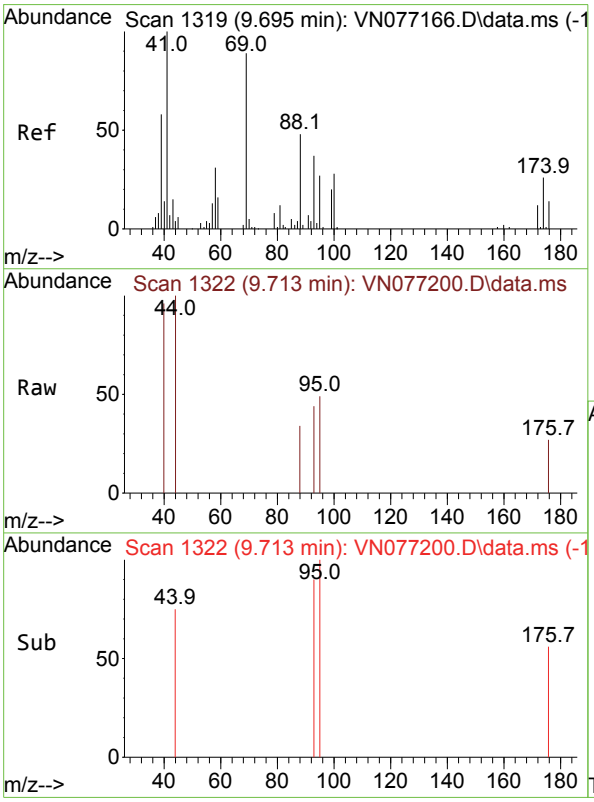

#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion:114 Resp: 252990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 17.0 | 25.4 |
| 88 | 15.5 | 11.6 | 17.4 |

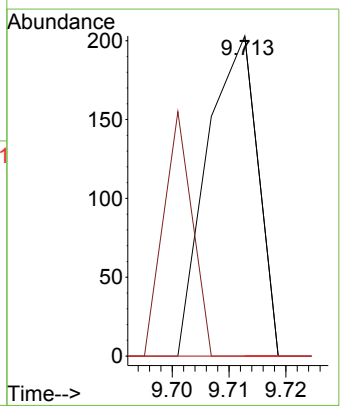


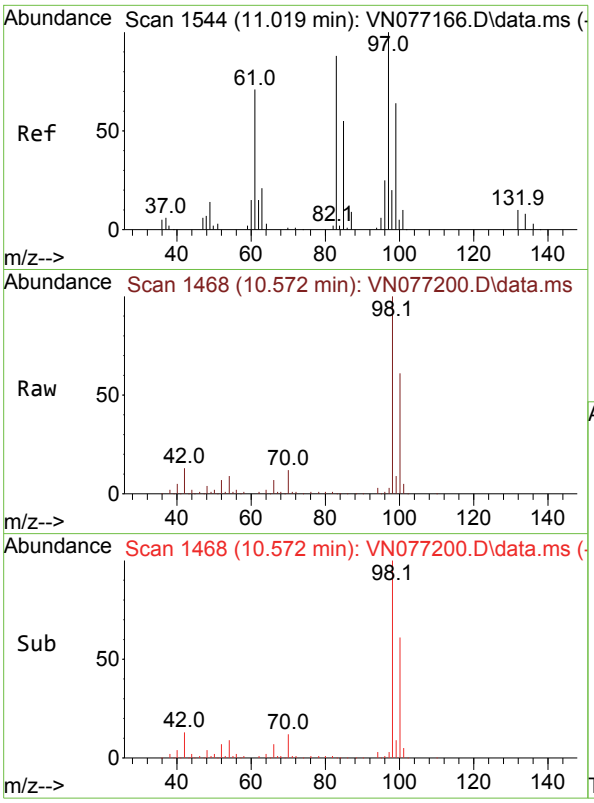




#45
1,4-Dioxane
Concen: 1.347 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. 0.018 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion: 88 Resp: 125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 372.0 | 26.0 | 39.0# |
| 58 | 0.0 | 54.3 | 81.5# |



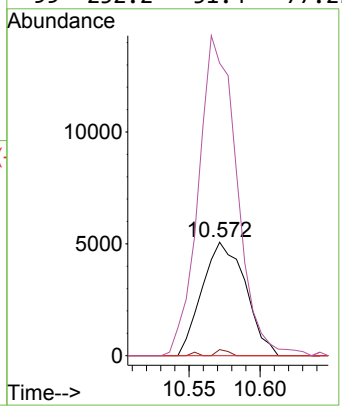


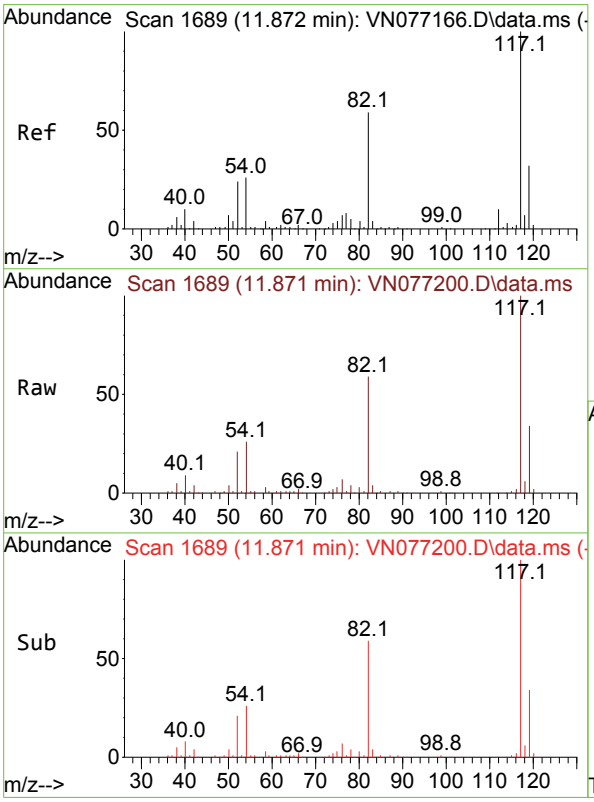

#50
1,1,2-Trichloroethane
Concen: 2.390 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion: 97 Resp: 10804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 5.4 | 71.0 | 106.4# |
| 85 | 0.0 | 45.5 | 68.3# |
| 99 | 252.2 | 51.4 | 77.2# |

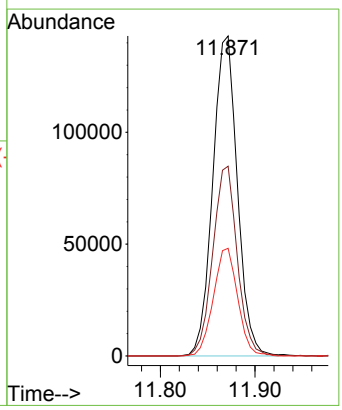


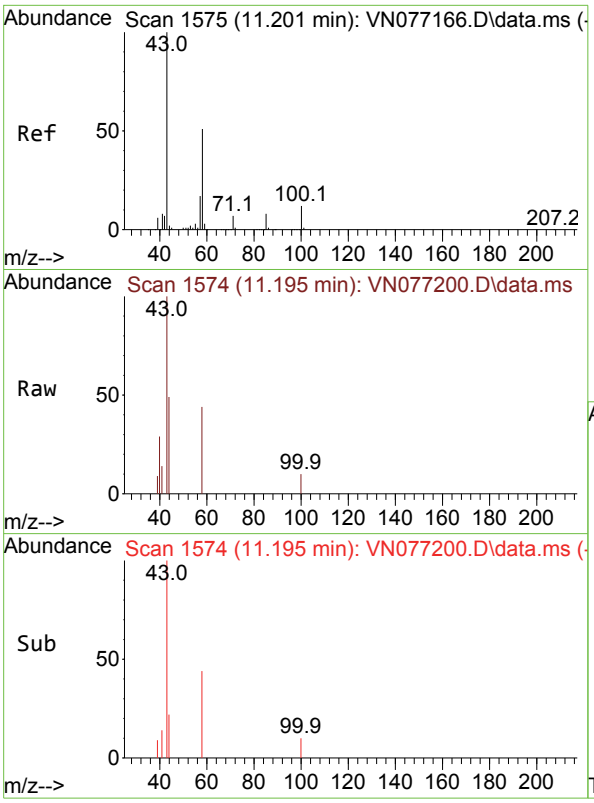




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion:117 Resp: 258568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.0 | 45.4 | 68.0 |
| 119 | 33.3 | 26.8 | 40.2 |



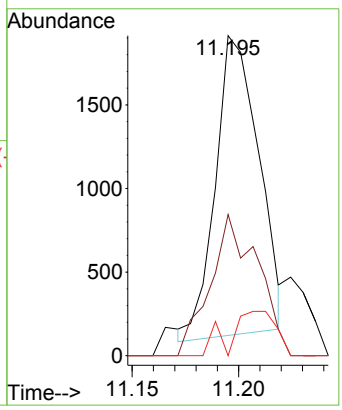


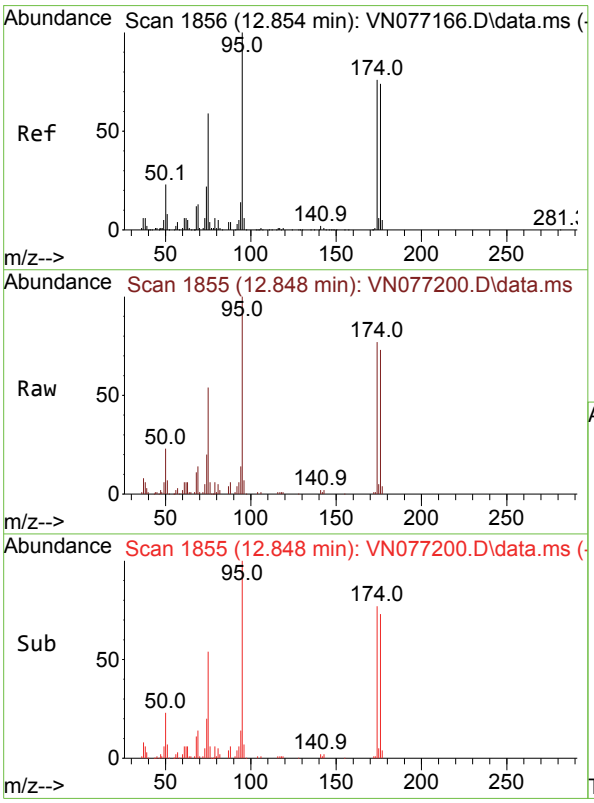

#59
2-Hexanone
Concen: 0.522 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion: 43 Resp: 2539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.6 | 40.6 | 60.8 |
| 57 | 2.8 | 13.1 | 19.7# |

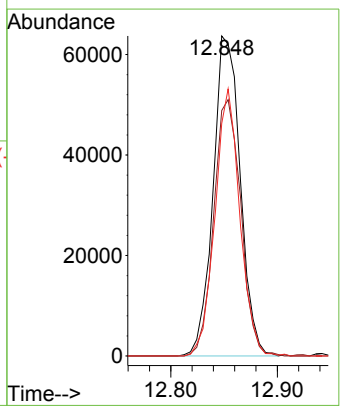


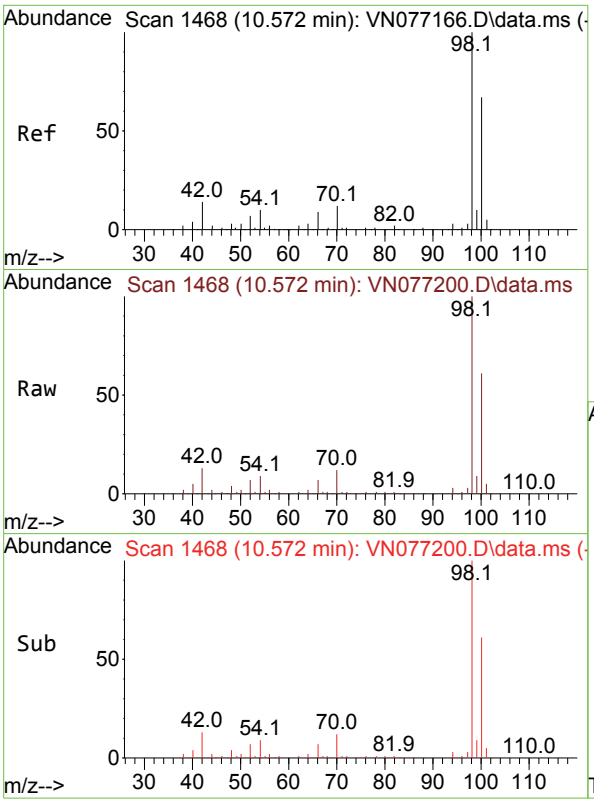




#60
4-Bromofluorobenzene
Concen: 24.213 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.006 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion: 95 Resp: 112470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.6 | 64.2 | 96.4 |
| 176 | 76.8 | 61.4 | 92.0 |



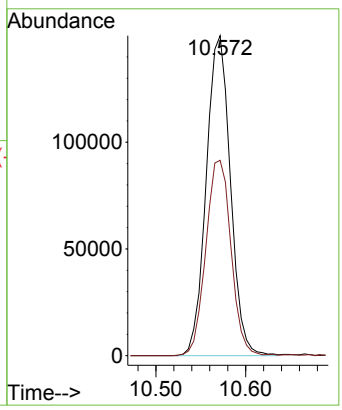


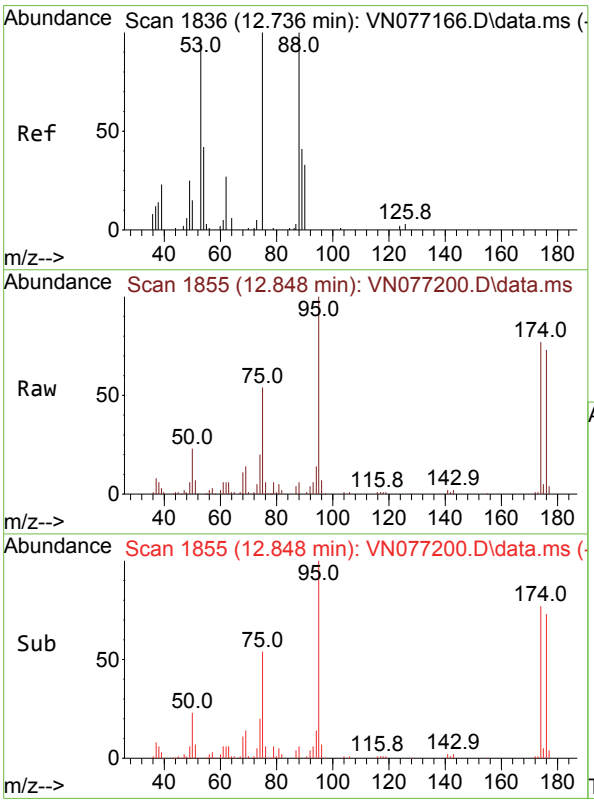

#63
Toluene-d8
Concen: 30.462 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion: 98 Resp: 281167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.4 | 53.8 | 80.6 |

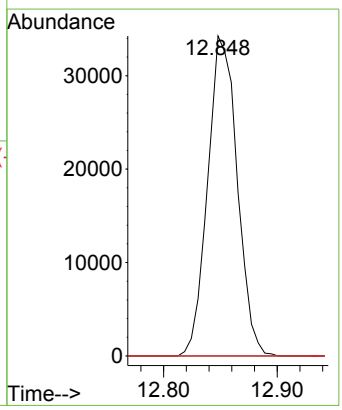


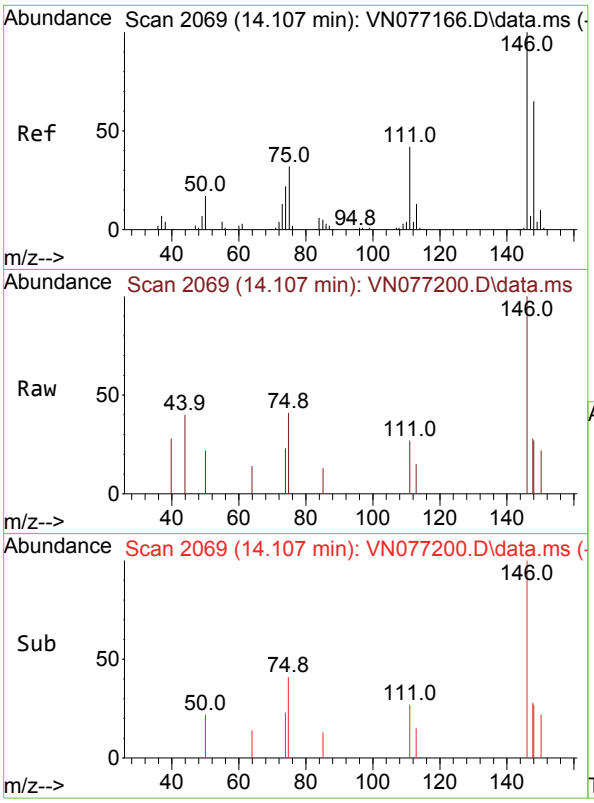




#77
t-1,4-Dichloro-2-butene
Concen: 35.111 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion: 75 Resp: 61869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 50.4 | 151.3# |
| 89 | 0.0 | 22.1 | 66.5# |



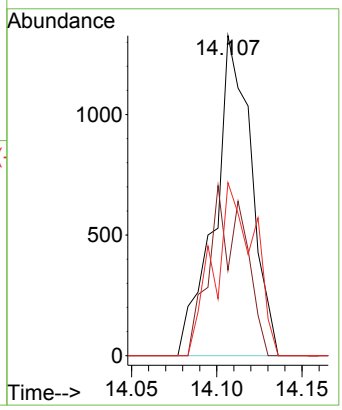


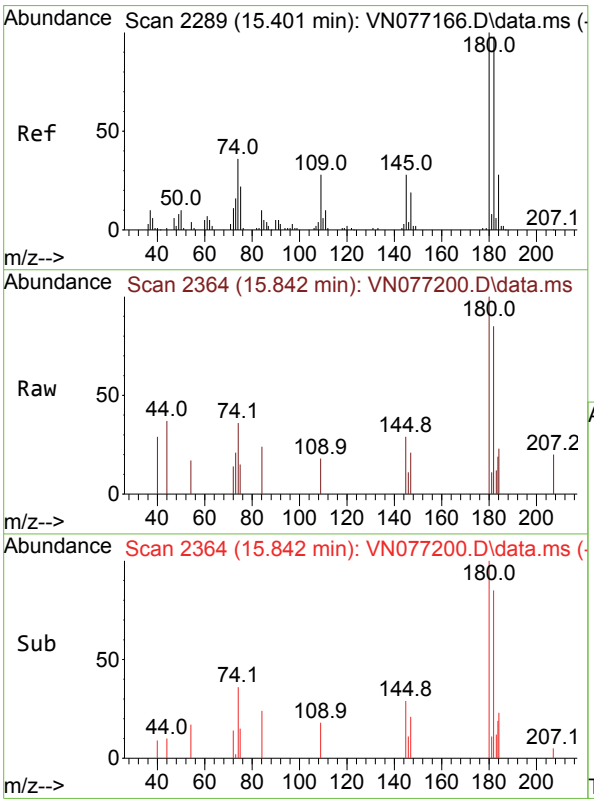

#87
1,2-Dichlorobenzene
Concen: 0.251 ug/l
RT: 14.107 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion:146 Resp: 1982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 28.4 | 20.5 | 61.6 |
| 148 | 18.8 | 32.5 | 97.5# |

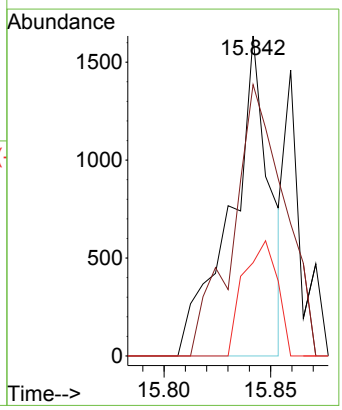


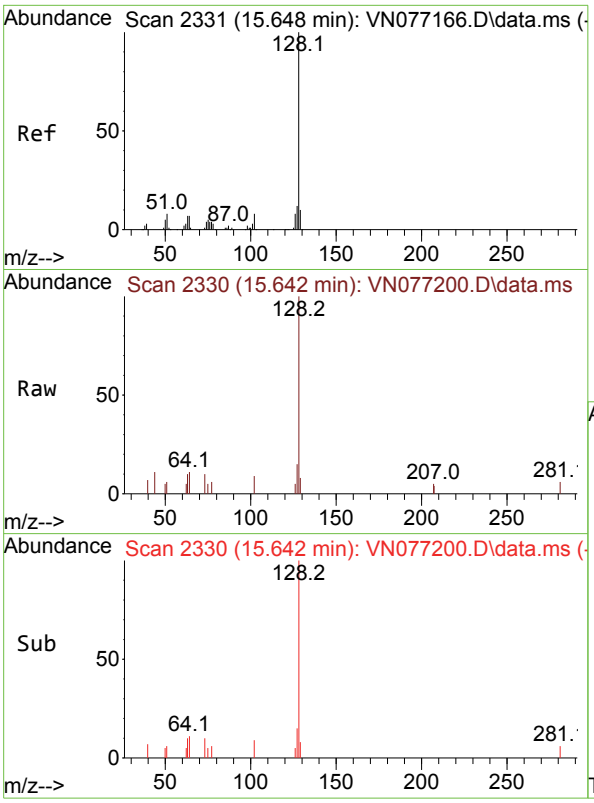




#89
1,2,4-Trichlorobenzene
Concen: 0.588 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. 0.441 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion:180 Resp: 2071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 76.6 | 115.0 |
| 145 | 31.6 | 24.6 | 36.8 |



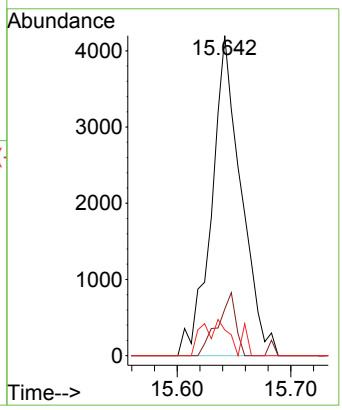


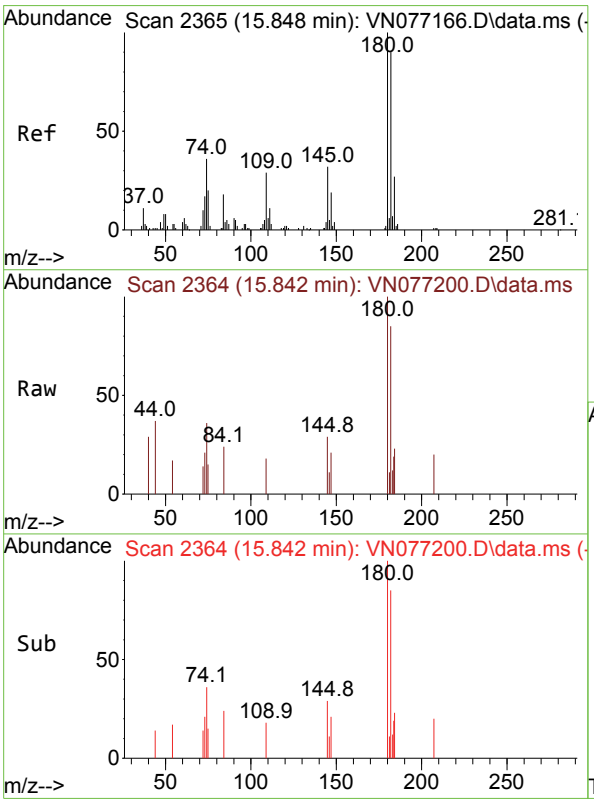

#91
Naphthalene
Concen: 0.653 ug/l
RT: 15.642 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0327WBL01

Tgt Ion:128 Resp: 7546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 11.0 | 16.6 |
| 129 | 5.1 | 8.9 | 13.3# |




#92
1,2,3-Trichlorobenzene
Concen: 0.592 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.006 min
Lab File: VN077200.D
Acq: 27 Mar 2023 13:28

Tgt Ion:180 Resp: 2071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 0.0 | 190.8 |
| 145 | 31.6 | 0.0 | 65.0 |