Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
Data File : VN075927.D
Acq On : 21 Dec 2022 18:17
Operator : JC\MD
Sample : N6168-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Quant Time: Dec 22 03:04:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

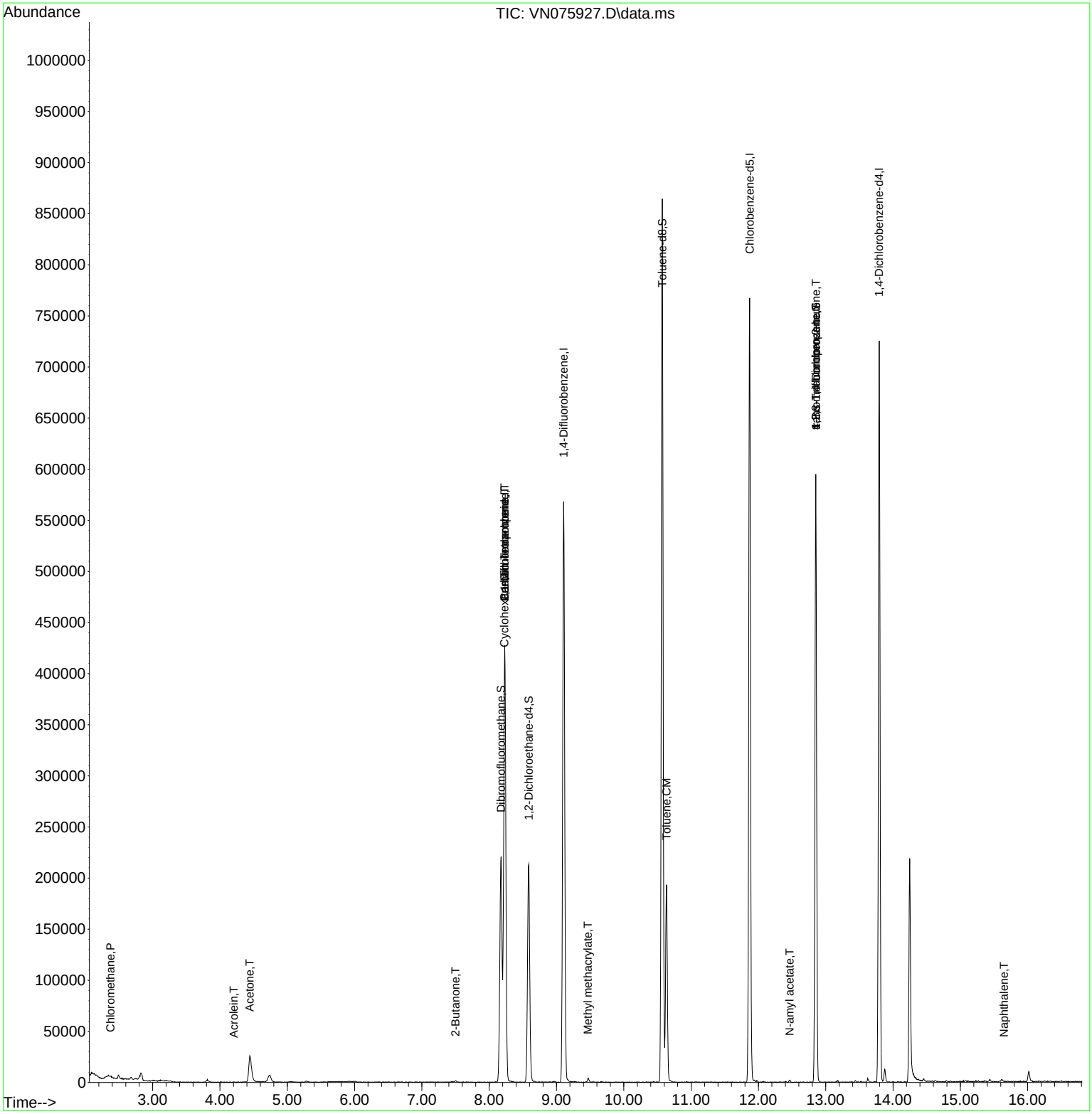
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.229 | 168 | 335863 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.106 | 114 | 533835 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.870 | 117 | 468141 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152 | 206019 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.588 | 65 | 171454 | 46.924 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 93.840% | | |
| 35) Dibromofluoromethane | 8.177 | 113 | 156382 | 47.303 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 94.600% | | |
| 50) Toluene-d8 | 10.571 | 98 | 611939 | 49.507 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.020% | | |
| 62) 4-Bromofluorobenzene | 12.853 | 95 | 195538 | 47.762 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 95.520% | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 2.371 | 50 | 733 | 0.247 | ug/l # | 83 |
| 13) Acrolein | 4.206 | 56 | 285 | 0.450 | ug/l # | 44 |
| 16) Acetone | 4.442 | 43 | 48492 | 38.499 | ug/l | 99 |
| 20) Methylene Chloride | 5.283 | 84 | 749 | Below Cal | # | 83 |
| 25) 2-Butanone | 7.500 | 43 | 2305 | 1.307 | ug/l | 96 |
| 31) Cyclohexane | 8.224 | 56 | 6328 | 1.209 | ug/l # | 10 |
| 36) 1,1-Dichloropropene | 8.229 | 75 | 22997 | 5.237 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 8.229 | 117 | 32400 | 6.592 | ug/l # | 18 |
| 48) Methyl methacrylate | 9.465 | 41 | 1168 | 0.446 | ug/l # | 28 |
| 52) Toluene | 10.635 | 92 | 88045 | 9.977 | ug/l | 98 |
| 74) N-amyl acetate | 12.465 | 43 | 1405 | 0.322 | ug/l # | 37 |
| 76) 1,2,3-Trichloropropane | 12.853 | 75 | 101994 | 24.560 | ug/l # | 1 |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75 | 101994 | 88.404 | ug/l # | 12 |
| 95) Naphthalene | 15.647 | 128 | 463 | 2.217 | ug/l # | 69 |

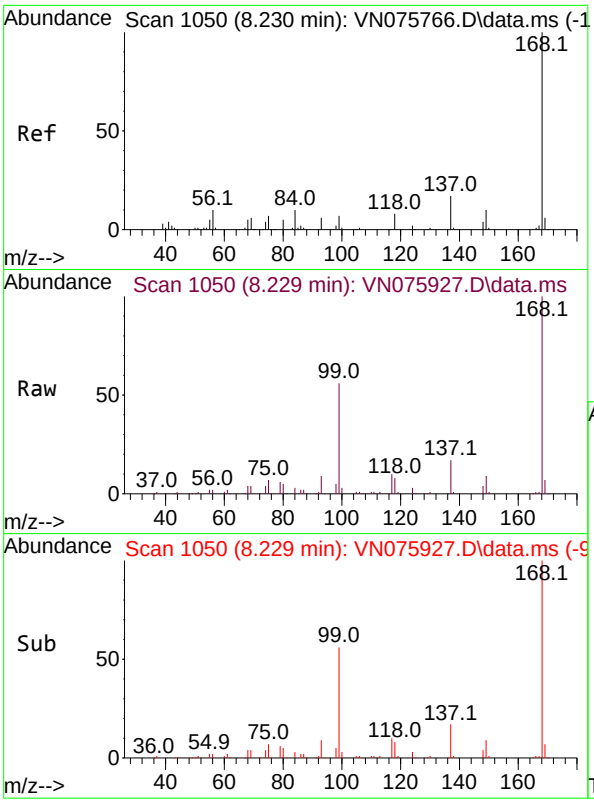
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
Data File : VN075927.D
Acq On : 21 Dec 2022 18:17
Operator : JC\MD
Sample : N6168-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Quant Time: Dec 22 03:04:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration



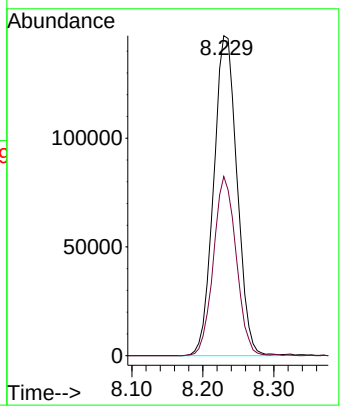


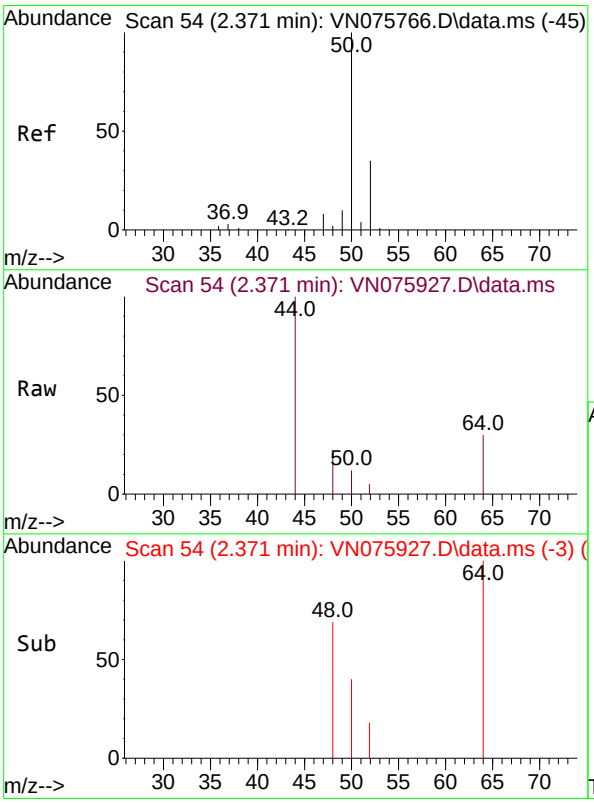

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion:168 Resp: 335863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.0 | 44.2 | 66.4 |

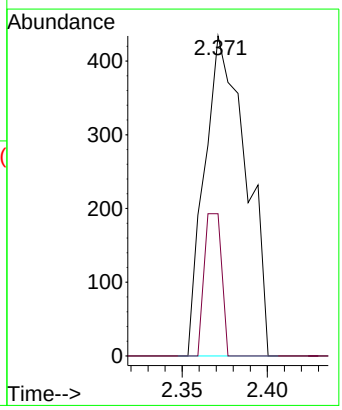


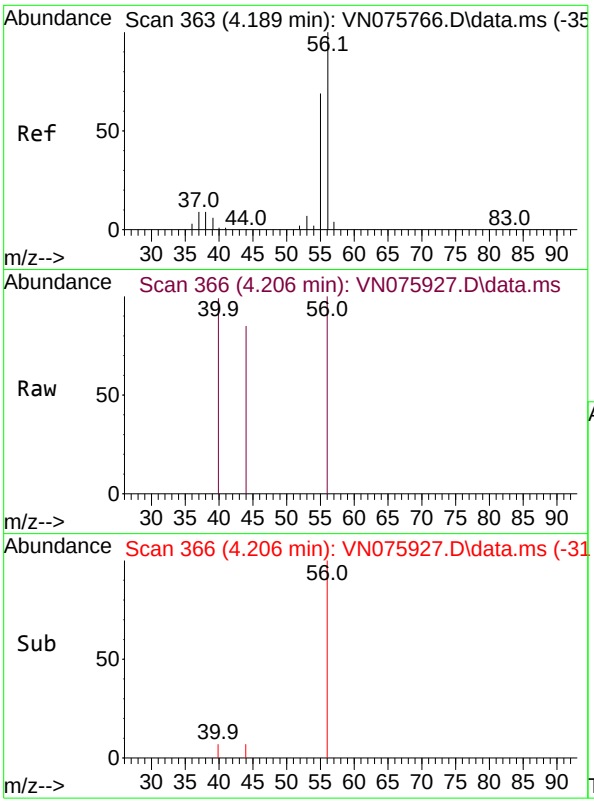




#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 50 Resp: 733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 44.5 | 27.7 | 41.5# |



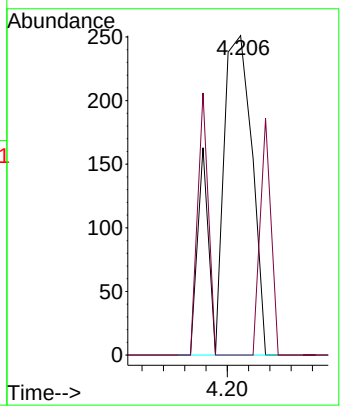


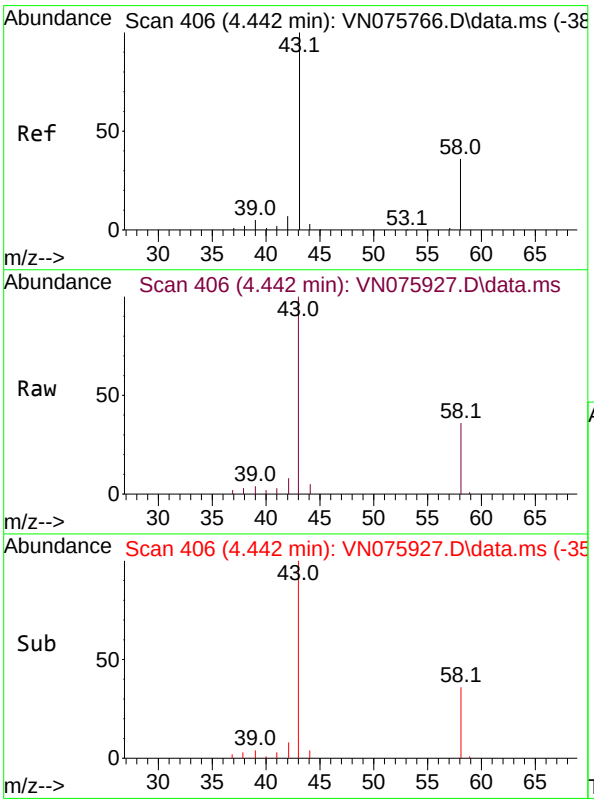

#13
Acrolein
Concen: 0.450 ug/l
RT: 4.206 min Scan# 3
Delta R.T. 0.018 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 56 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 23.2 | 54.8 | 82.2# |

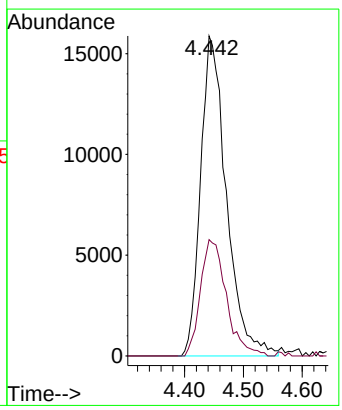


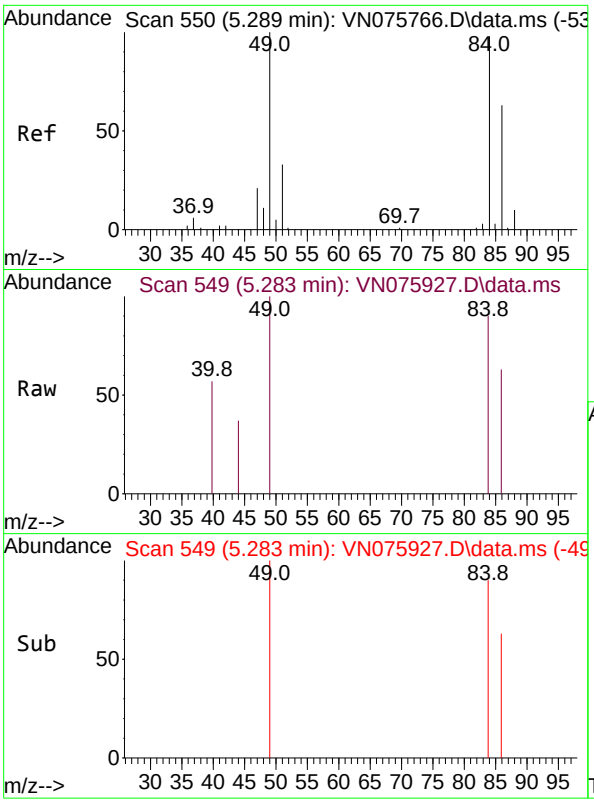




#16
Acetone
Concen: 38.499 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 43 Resp: 48492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 28.6 | 43.0 |



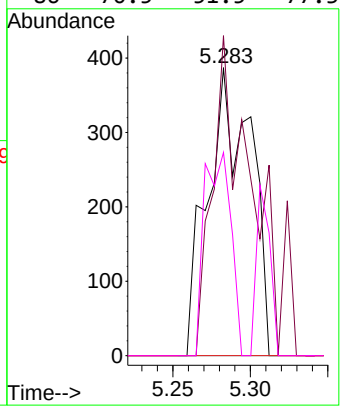


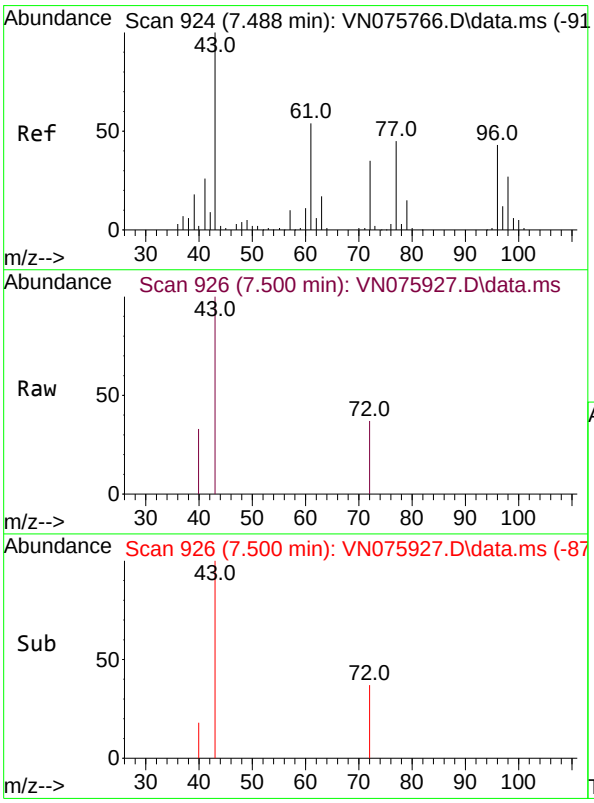

#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 84 Resp: 749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.1 | 81.8 | 122.6 |
| 51 | 0.0 | 26.7 | 40.1# |
| 86 | 70.5 | 51.5 | 77.3 |

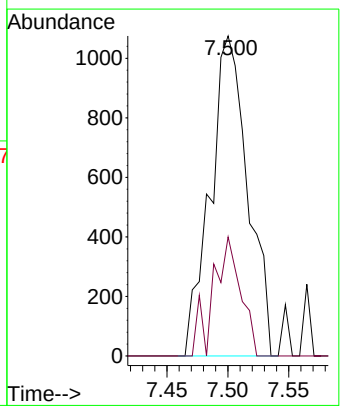


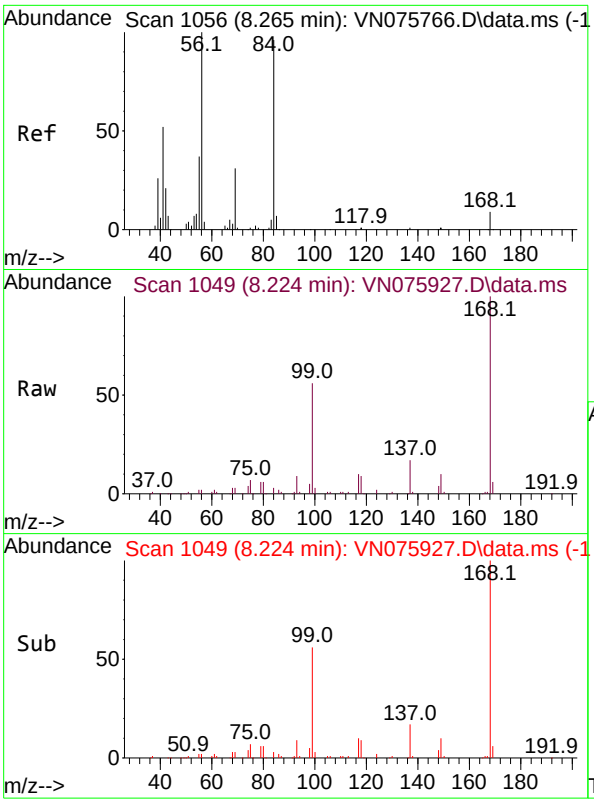




#25
2-Butanone
Concen: 1.307 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 43 Resp: 2305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 37.2 | 28.0 | 42.0 |



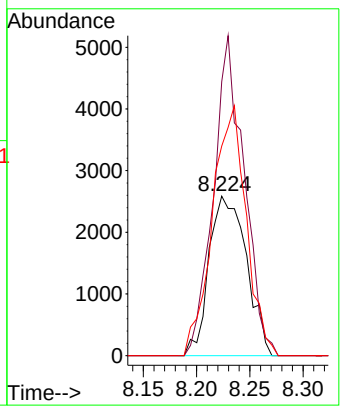


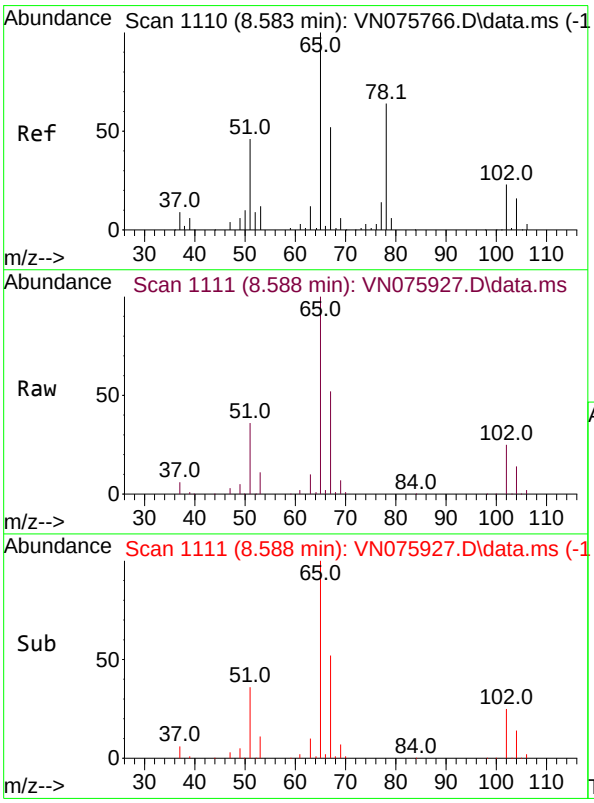

#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 56 Resp: 6328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 171.7 | 24.7 | 37.1# |
| 84 | 131.3 | 76.5 | 114.7# |

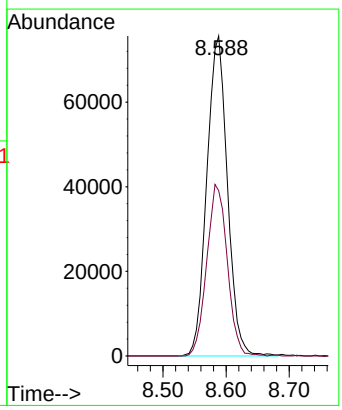


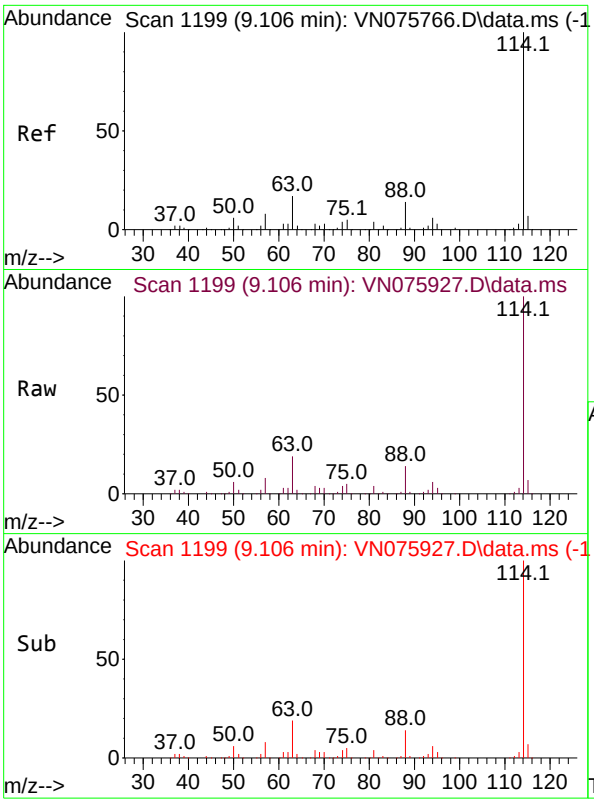




#33
1,2-Dichloroethane-d4
Concen: 46.924 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 65 Resp: 171454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 103.4 |



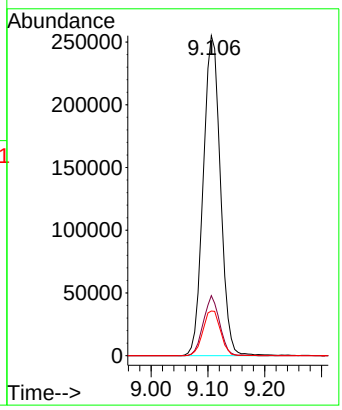


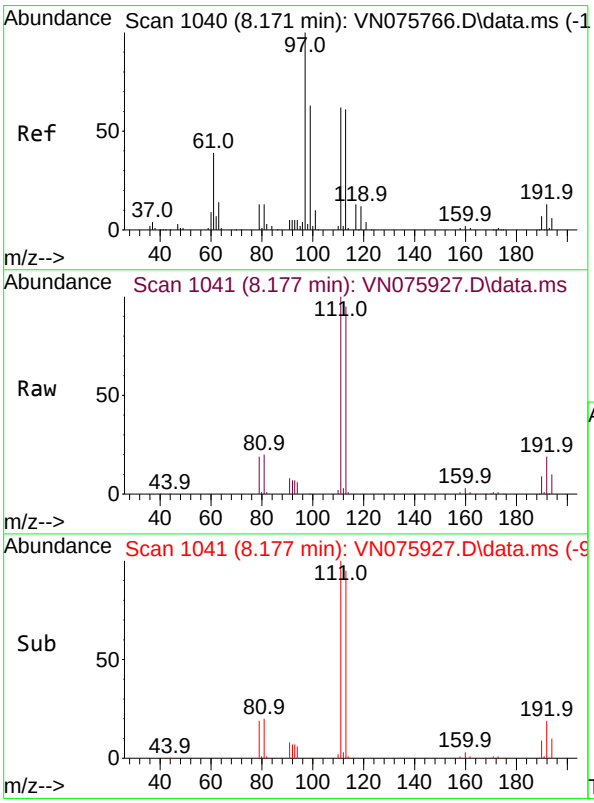

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion:114 Resp: 533835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.7 | 0.0 | 34.4 |
| 88 | 14.0 | 0.0 | 28.8 |

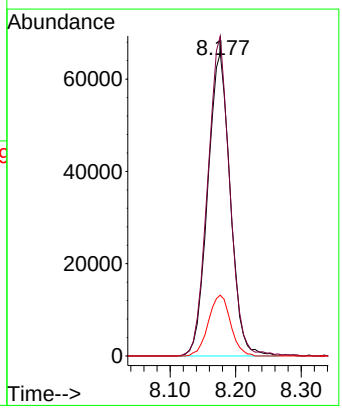


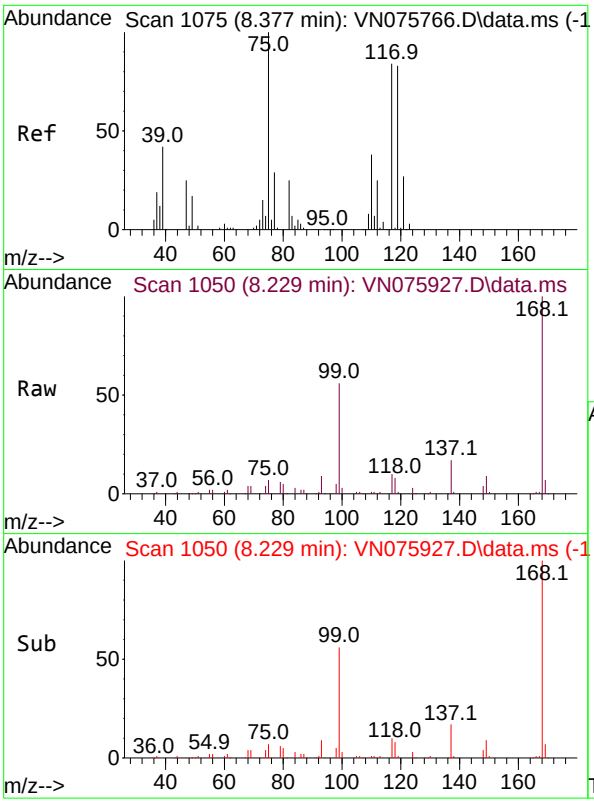




#35
Dibromofluoromethane
Concen: 47.303 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion:113 Resp: 156382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 83.4 | 125.2 |
| 192 | 19.8 | 16.1 | 24.1 |



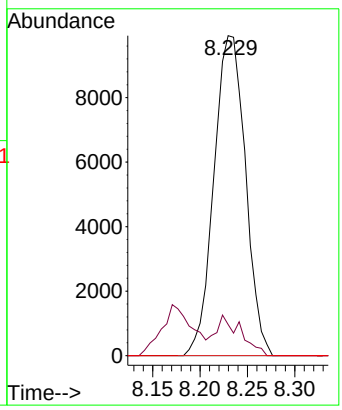


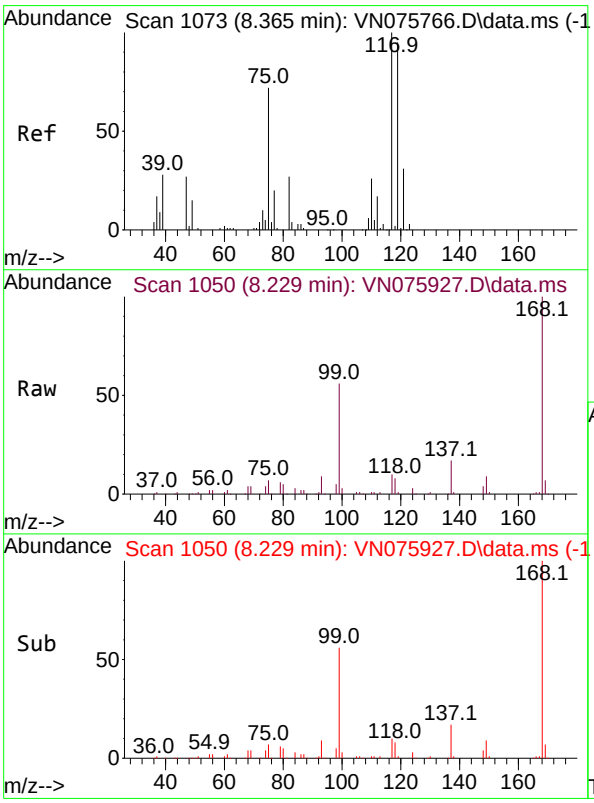

#36
1,1-Dichloropropene
Concen: 5.237 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.147 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 75 Resp: 22997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.3 | 18.8 | 56.4# |
| 77 | 0.0 | 24.1 | 36.1# |

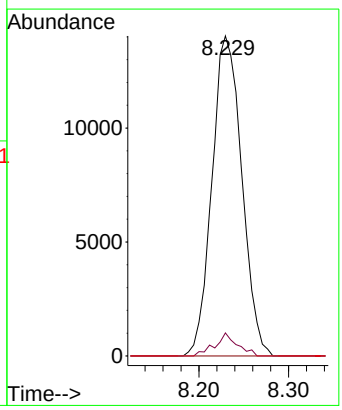


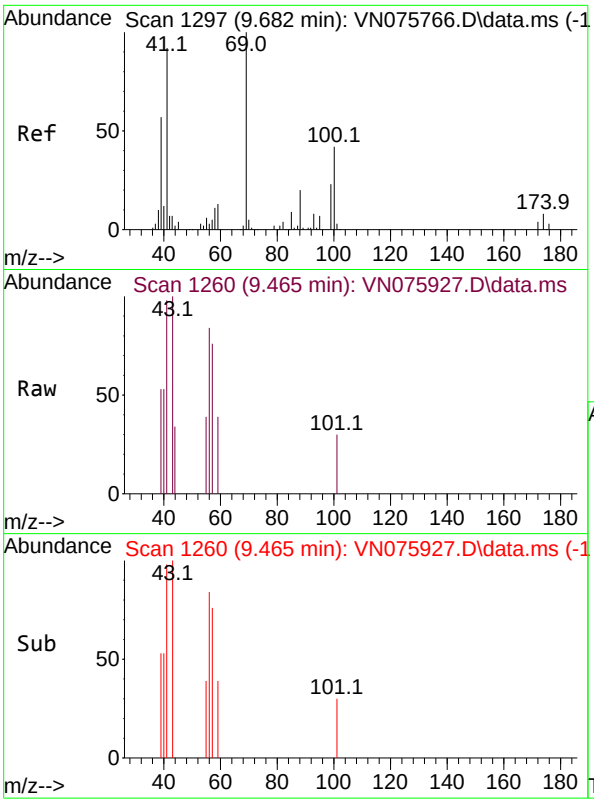




#38
Carbon Tetrachloride
Concen: 6.592 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion:117 Resp: 32400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.2 | 76.1 | 114.1# |
| 121 | 0.0 | 24.5 | 36.7# |



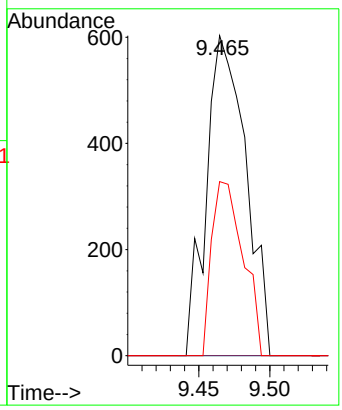


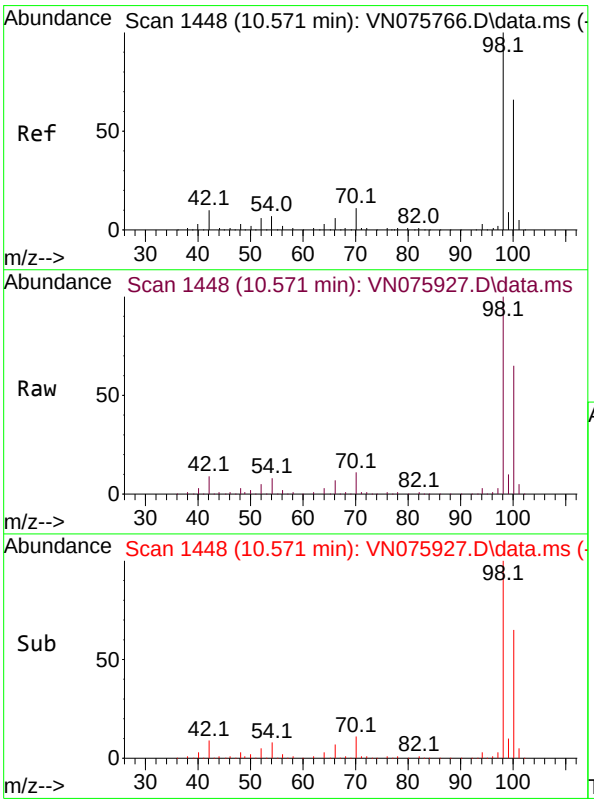

#48
Methyl methacrylate
Concen: 0.446 ug/l
RT: 9.465 min Scan# 1
Delta R.T. -0.218 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 41 Resp: 1168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 81.9 | 122.9# |
| 39 | 43.2 | 51.6 | 77.4# |

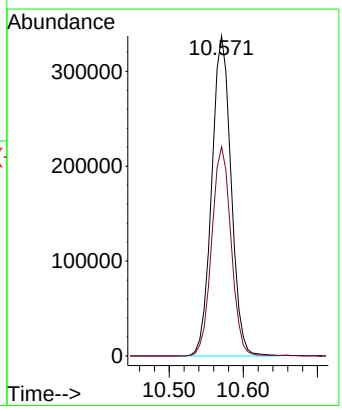


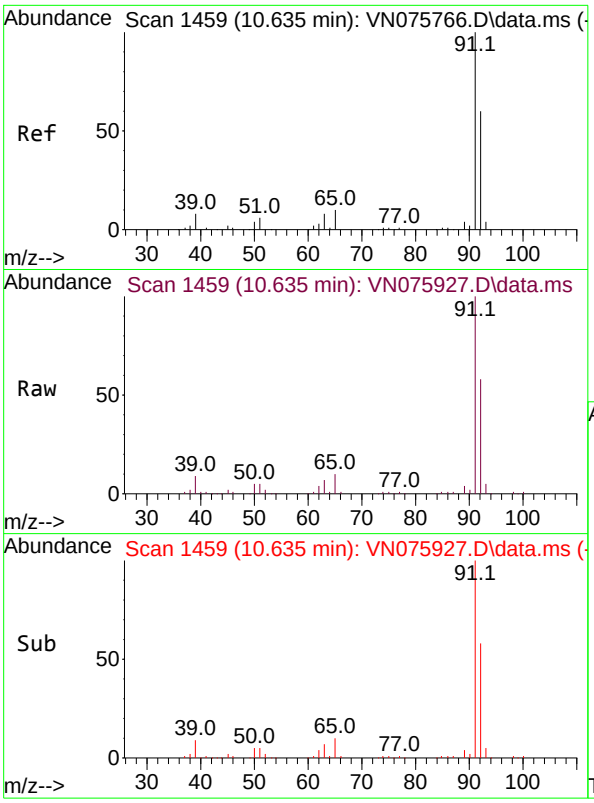




#50
Toluene-d8
Concen: 49.507 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 98 Resp: 611939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.1 | 78.1 |



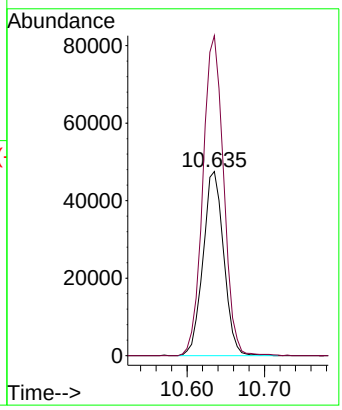


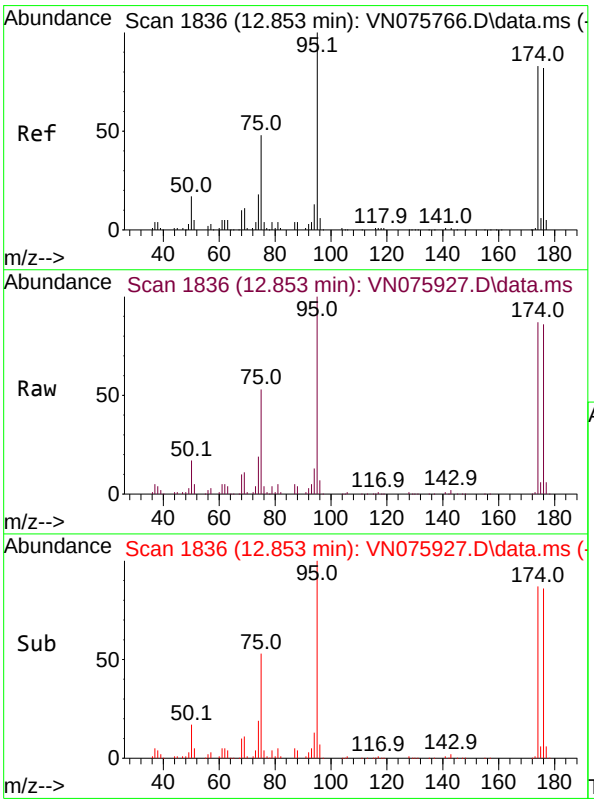

#52
Toluene
Concen: 9.977 ug/l
RT: 10.635 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 92 Resp: 88045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 137.3 | 205.9 |

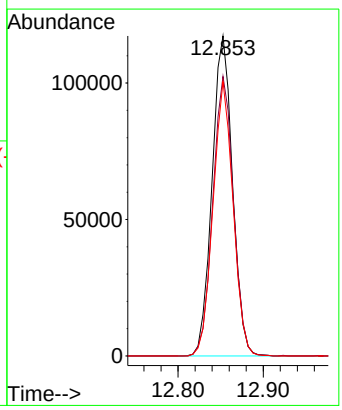


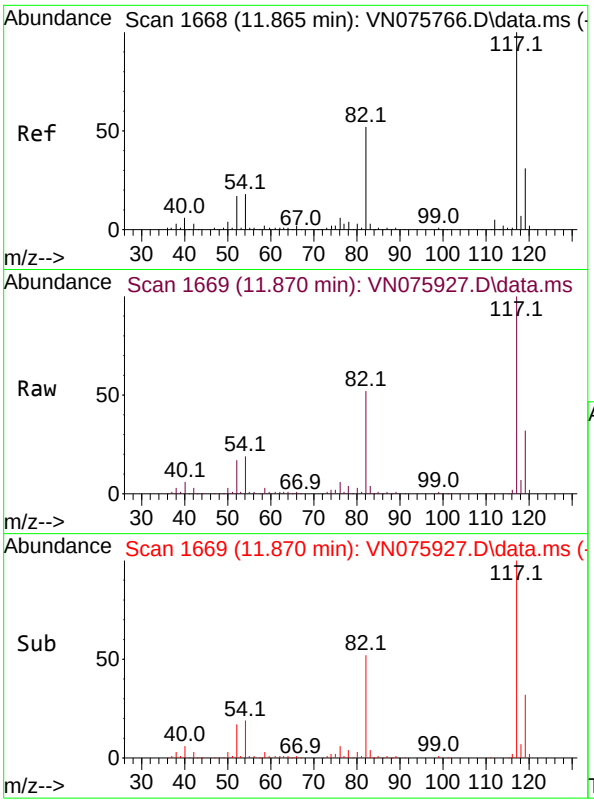




#62
4-Bromofluorobenzene
Concen: 47.762 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 95 Resp: 195538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 88.0 | 0.0 | 171.6 |
| 176 | 84.1 | 0.0 | 169.2 |



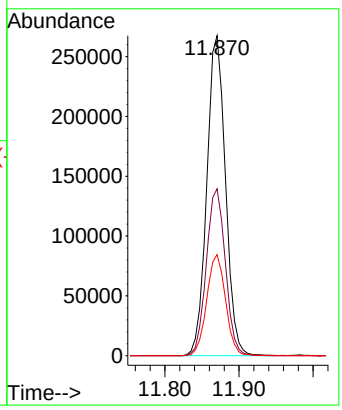


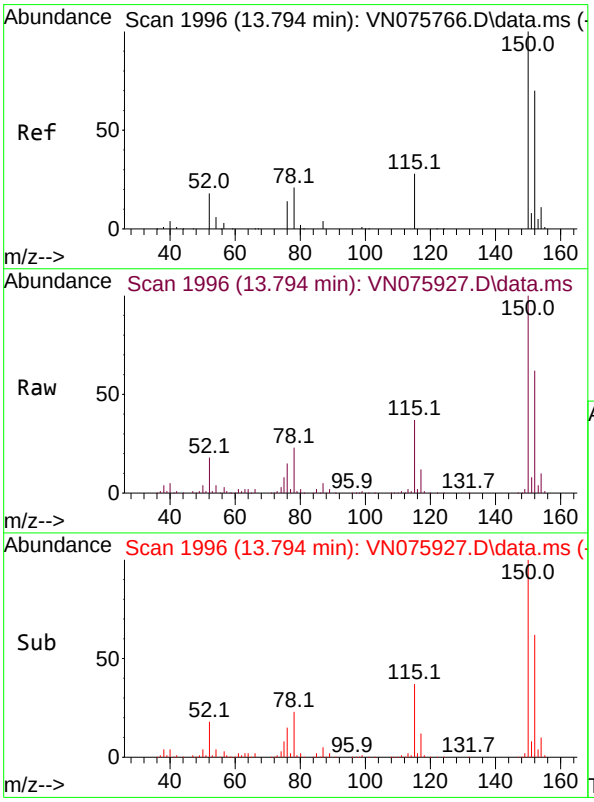

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion:117 Resp: 468141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.1 | 41.3 | 61.9 |
| 119 | 31.6 | 24.6 | 37.0 |

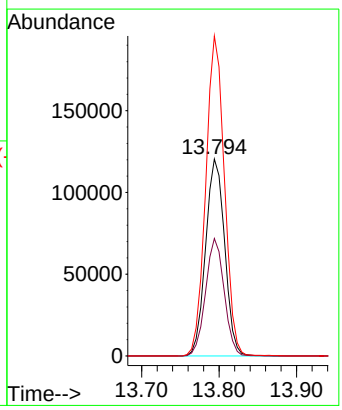


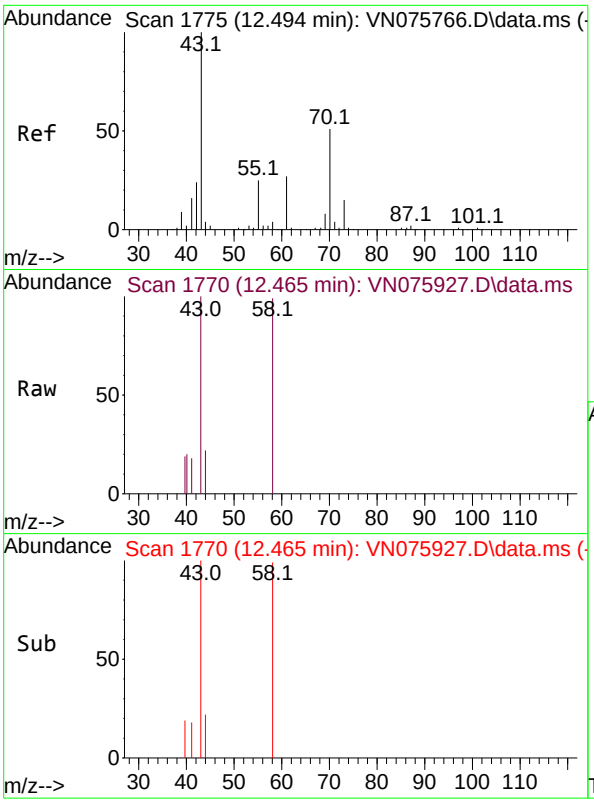




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion:152 Resp: 206019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.1 | 29.1 | 87.4 |
| 150 | 158.8 | 0.0 | 347.0 |



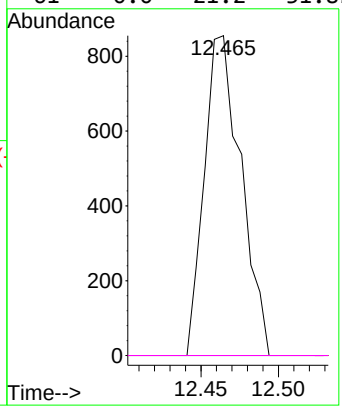


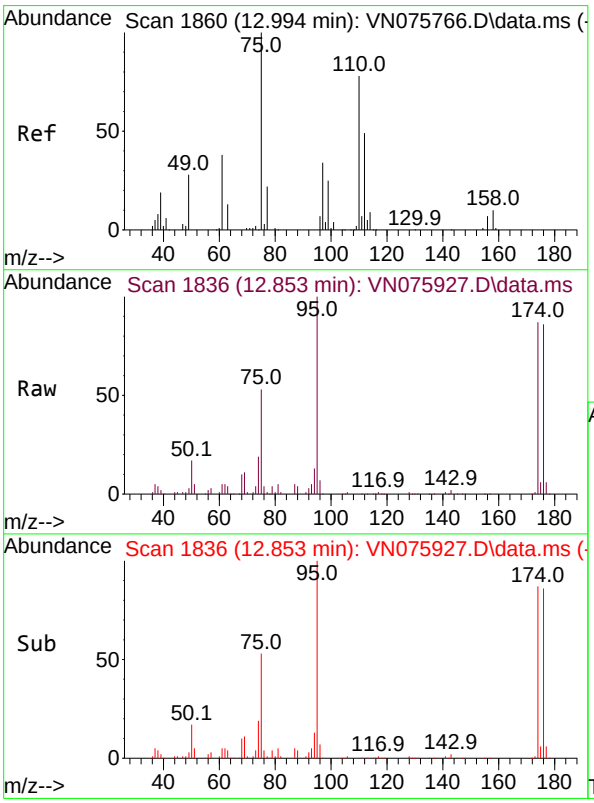

#74
N-amyl acetate
Concen: 0.322 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 43 Resp: 1405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 41.4 | 62.0# |
| 55 | 0.0 | 21.3 | 31.9# |
| 61 | 0.0 | 21.2 | 31.8# |

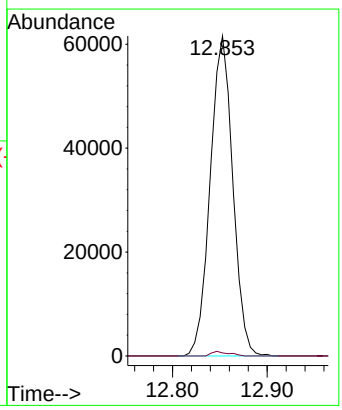


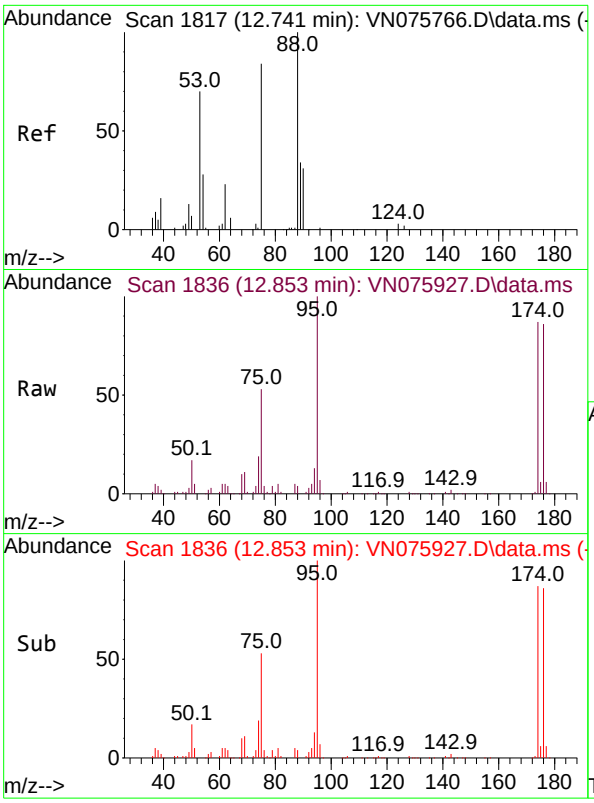




#76
1,2,3-Trichloropropane
Concen: 24.560 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion: 75 Resp: 101994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 82.6 | 247.8# |



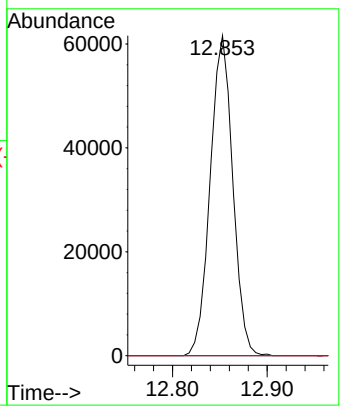


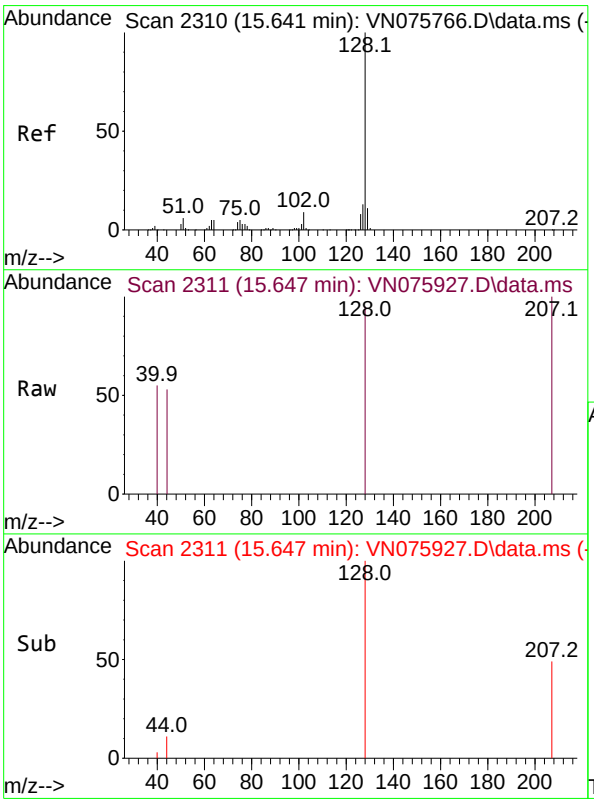

#81
trans-1,4-Dichloro-2-butene
Concen: 88.404 ug/l
RT: 12.853 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

**Instrument :**
MSVOA_N
**ClientSampleId :**
AUD-1841

Tgt Ion: 75 Resp: 101994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 73.8 | 110.6# |
| 89 | 0.0 | 39.5 | 59.3# |




#95
Naphthalene
Concen: 2.217 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075927.D
Acq: 21 Dec 2022 18:17

Tgt Ion:128 Resp: 463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.4 | 15.6# |
| 129 | 0.0 | 8.7 | 13.1# |