Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
Data File : VD077901.D
Acq On : 15 Dec 2023 14:08
Operator : RP/MD
Sample : 05611-02RE
Misc : 5.02G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**

Quant Time: Dec 16 04:01:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration

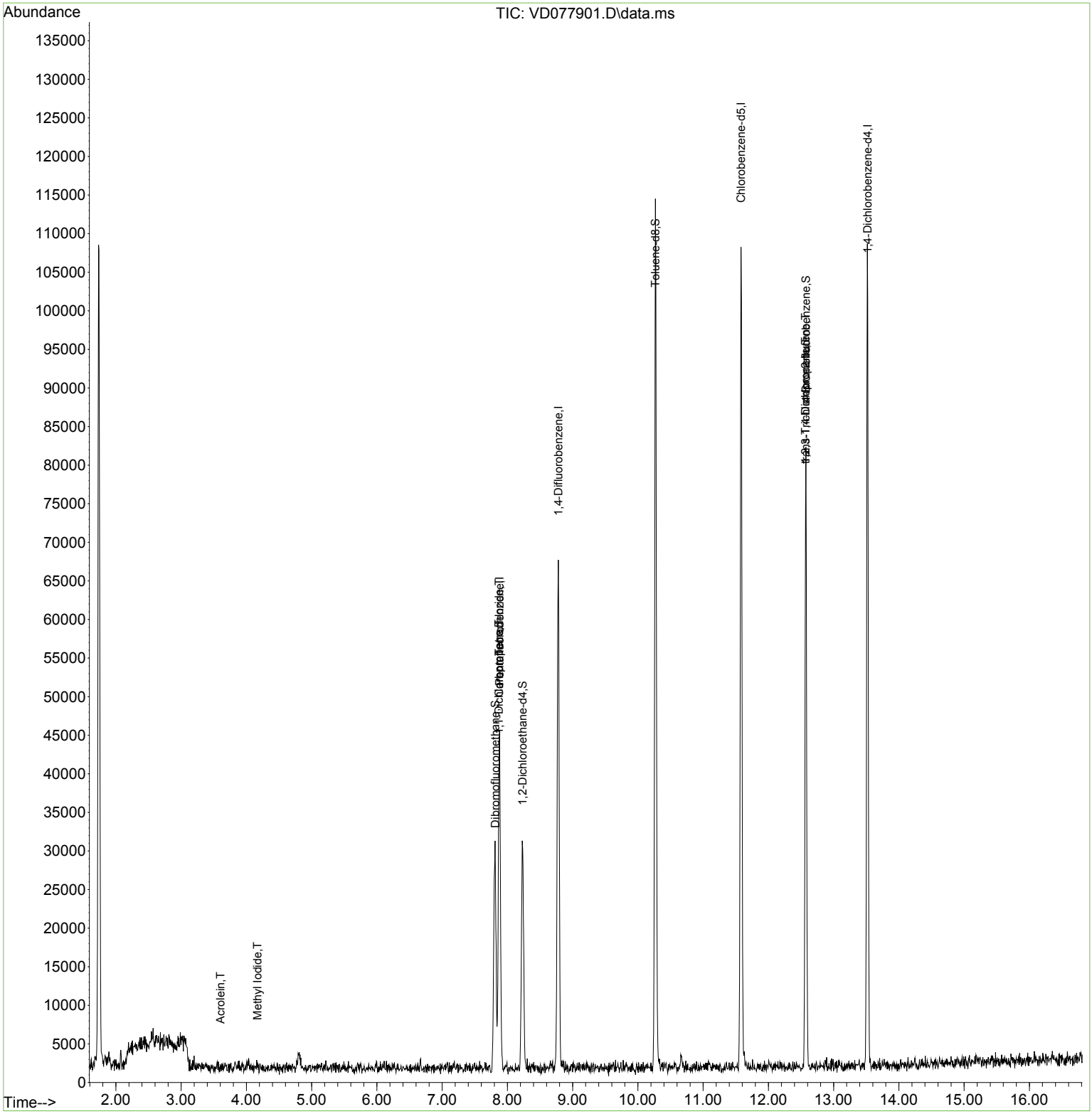
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.881 | 168 | 31955 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.781 | 114 | 57667 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.581 | 117 | 61332 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152 | 28434 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.234 | 65 | 23243 | 61.727 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 123.460% | | | |
| 35) Dibromofluoromethane | 7.816 | 113 | 21169 | 52.407 | ug/l | 0.01 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 104.820% | | | |
| 50) Toluene-d8 | 10.269 | 98 | 76009 | 46.982 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 93.960% | | | |
| 62) 4-Bromofluorobenzene | 12.575 | 95 | 24122 | 49.871 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 99.740% | | | |
| Target Compounds | | | | | | Qvalue |
| 10) Methyl Iodide | 4.169 | 142 | 111 | 7.023 | ug/l # | 46 |
| 11) Tert butyl alcohol | 5.105 | 59 | 54 | Below Cal | # | 73 |
| 13) Acrolein | 3.605 | 56 | 71 | 1.783 | ug/l | 89 |
| 16) Acetone | 4.017 | 43 | 481 | Below Cal | # | 32 |
| 20) Methylene Chloride | 4.805 | 84 | 1716 | Below Cal | # | 83 |
| 25) 2-Butanone | 7.081 | 43 | 138 | Below Cal | # | 37 |
| 36) 1,1-Dichloropropene | 7.869 | 75 | 2954 | 4.572 | ug/l # | 41 |
| 38) Carbon Tetrachloride | 7.875 | 117 | 3666 | 5.691 | ug/l # | 11 |
| 65) Chlorobenzene | 11.604 | 112 | 134 | Below Cal | # | 43 |
| 76) 1,2,3-Trichloropropane | 12.569 | 75 | 12327 | 49.917 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.569 | 75 | 12327 | 101.135 | ug/l # | 17 |

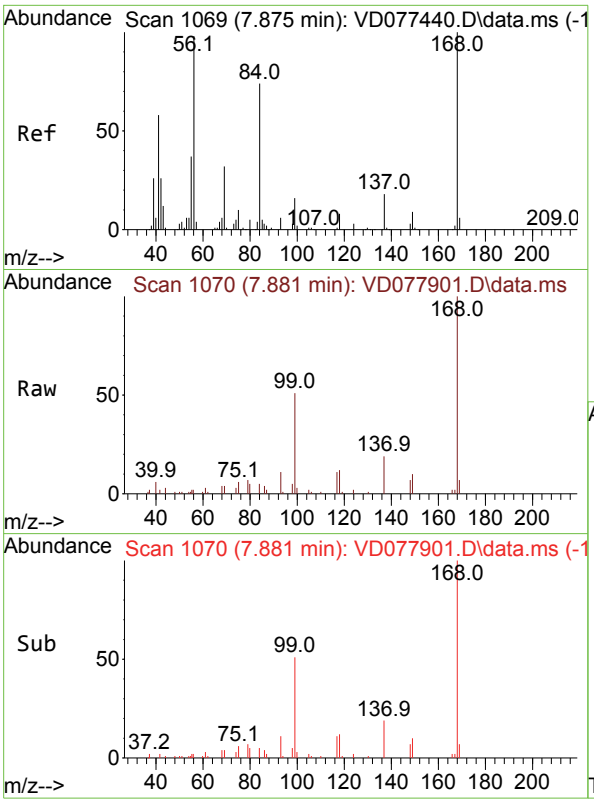
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
Data File : VD077901.D
Acq On : 15 Dec 2023 14:08
Operator : RP/MD
Sample : 05611-02RE
Misc : 5.02G/5.0ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**

Quant Time: Dec 16 04:01:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration



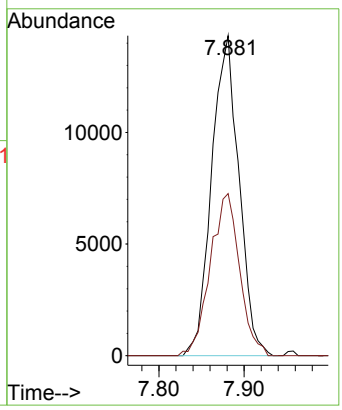


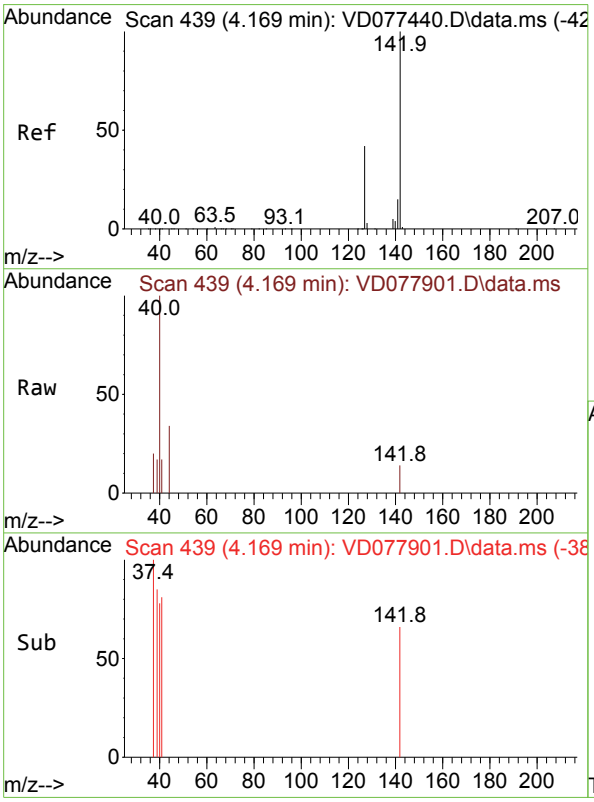

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:168 Resp: 31955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.6 | 36.7 | 55.1 |

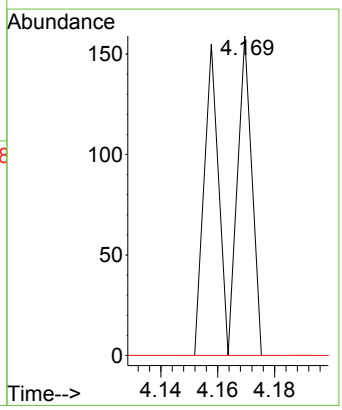


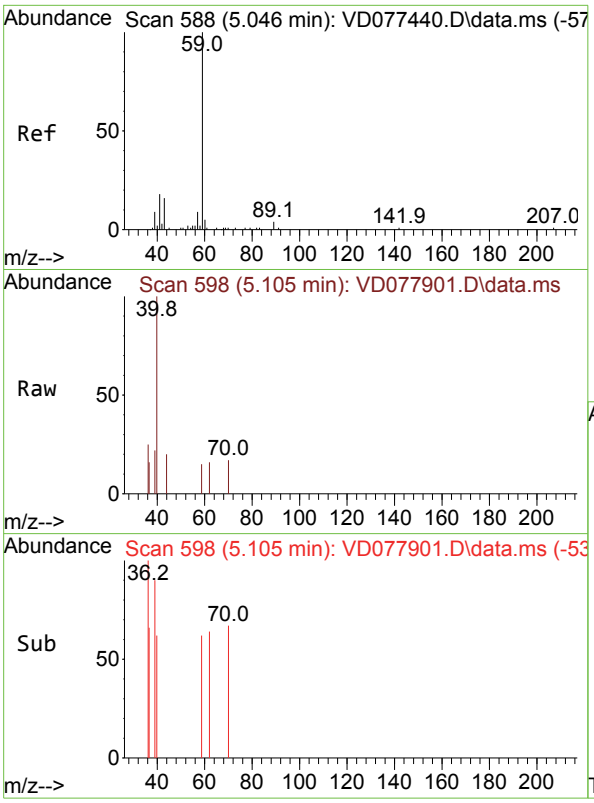




#10
Methyl Iodide
Concen: 7.023 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion:142 Resp: 111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 29.4 | 44.0# |
| 141 | 0.0 | 11.1 | 16.7# |



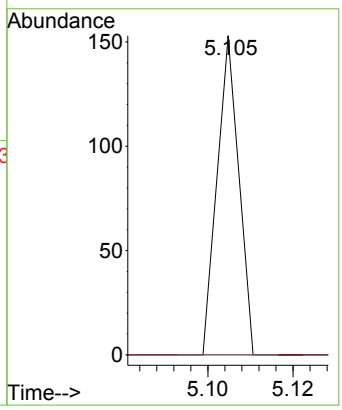


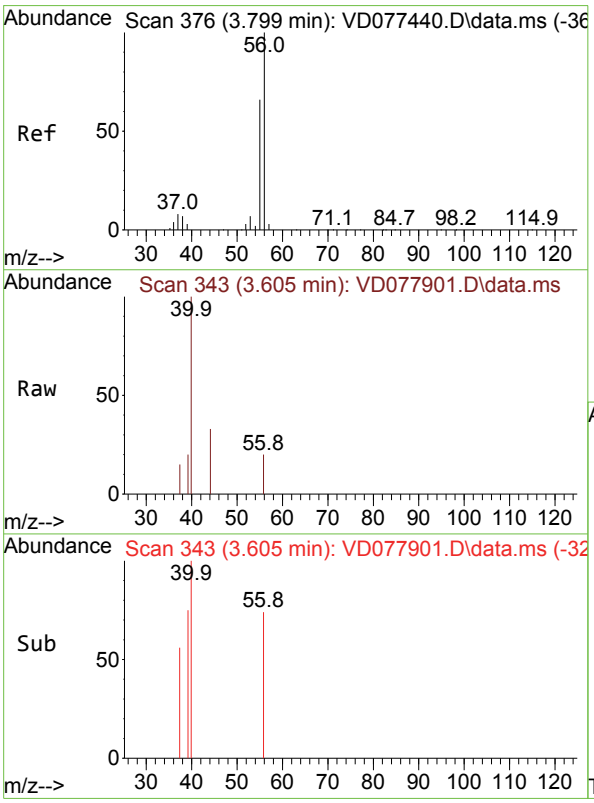

#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.105 min Scan# 5
Delta R.T. 0.059 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 59 Resp: 54

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.8# |

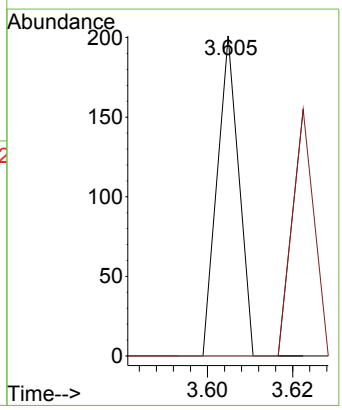


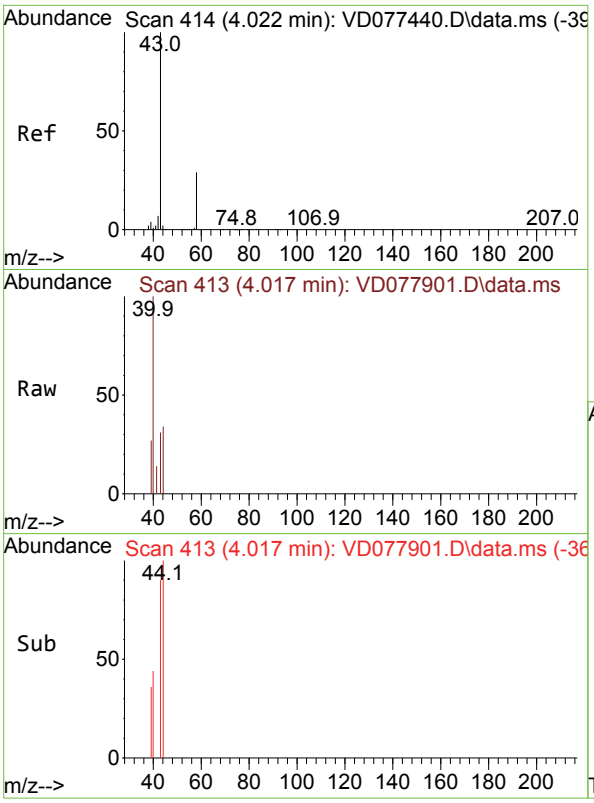




#13
Acrolein
Concen: 1.783 ug/l
RT: 3.605 min Scan# 343
Delta R.T. -0.194 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion: 56 Resp: 71

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 77.5 | 55.1 | 82.7 |



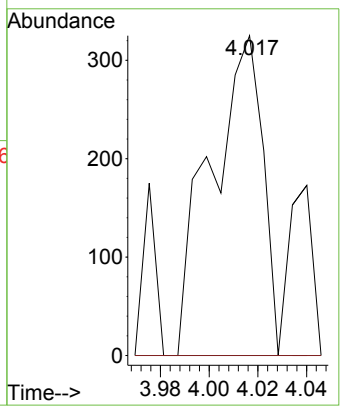


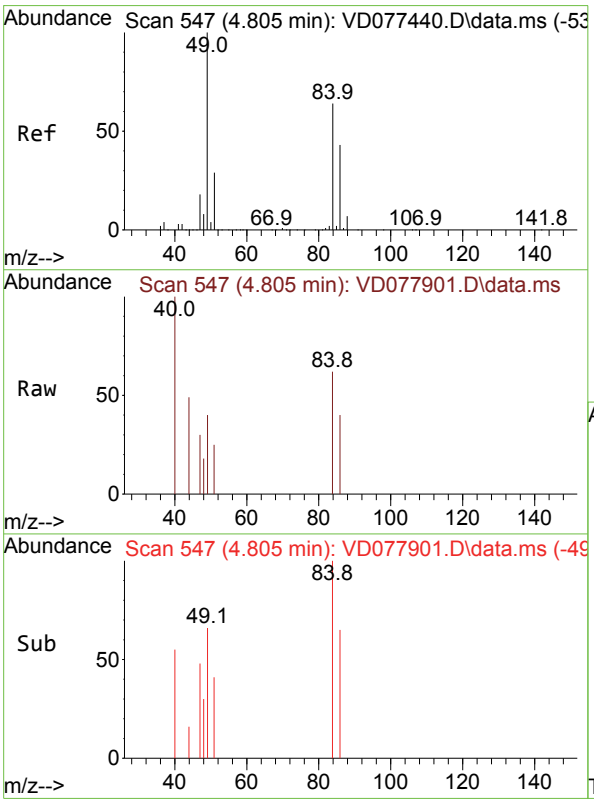

#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 43 Resp: 481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 34.7 | 52.1# |

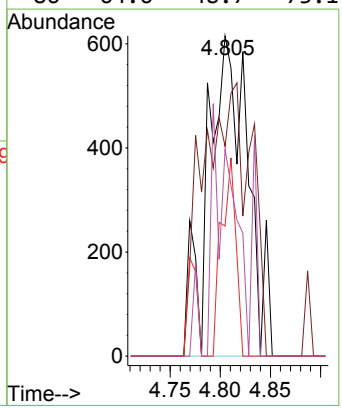


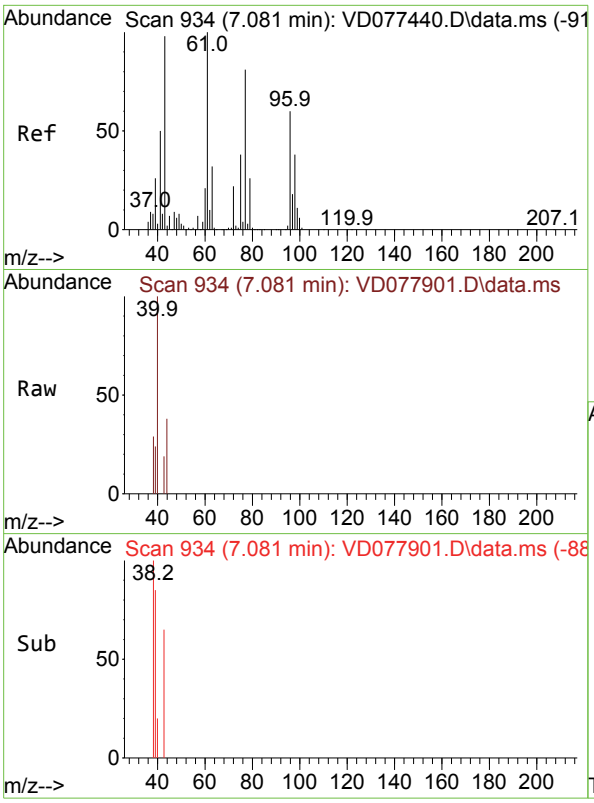




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion: 84 Resp: 1716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 65.5 | 71.4 | 107.2# |
| 51 | 40.7 | 24.5 | 36.7# |
| 86 | 64.6 | 48.7 | 73.1 |



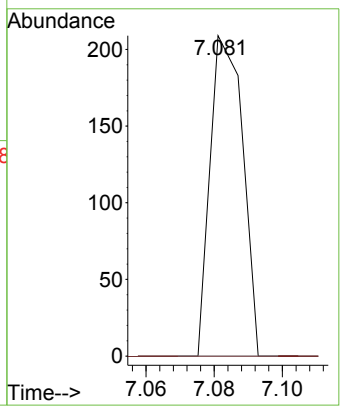


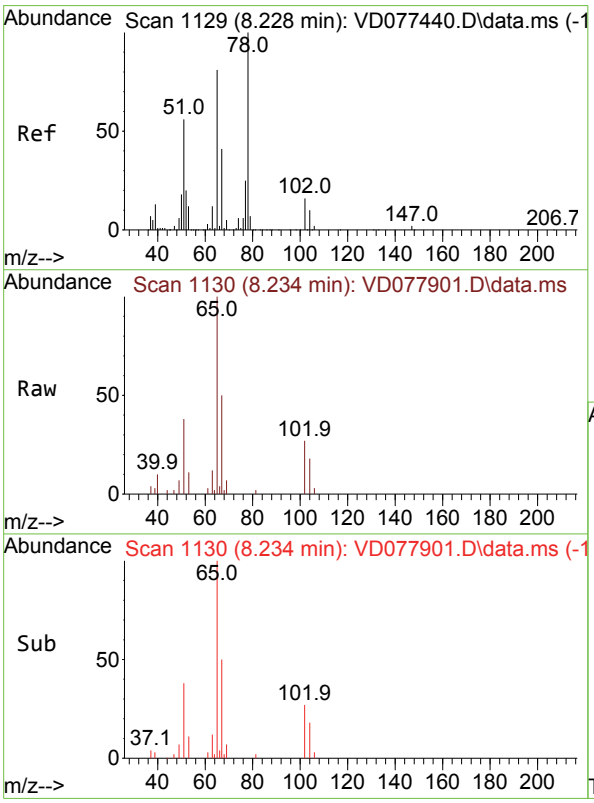

#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 9
Delta R.T. 0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 43 Resp: 138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 30.7 | 46.1# |

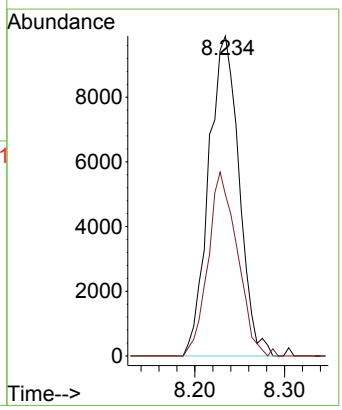


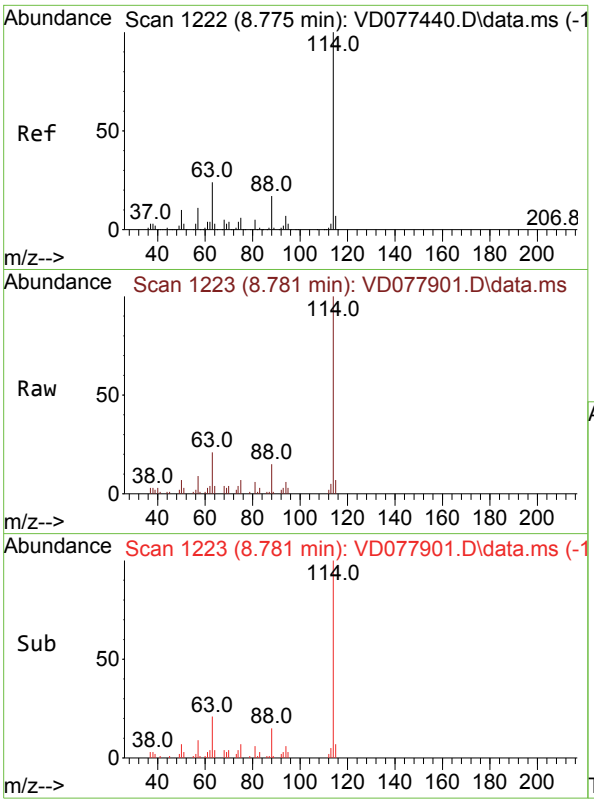




#33
1,2-Dichloroethane-d4
Concen: 61.727 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion: 65 Resp: 23243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.9 | 0.0 | 115.0 |



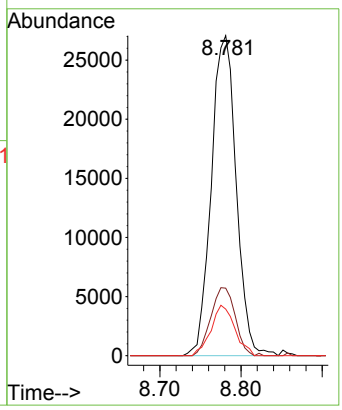


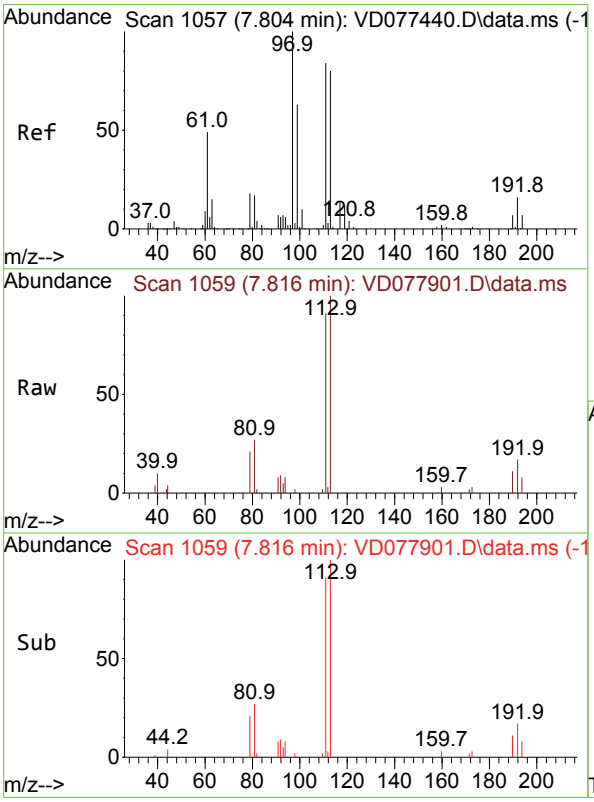

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:114 Resp: 57667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 33.4 |
| 88 | 14.5 | 0.0 | 26.2 |

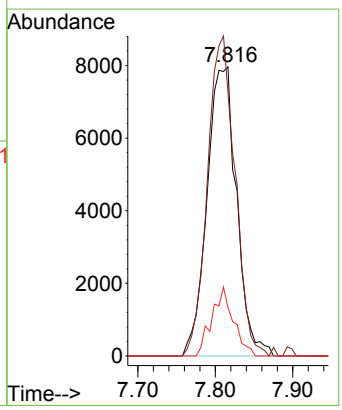


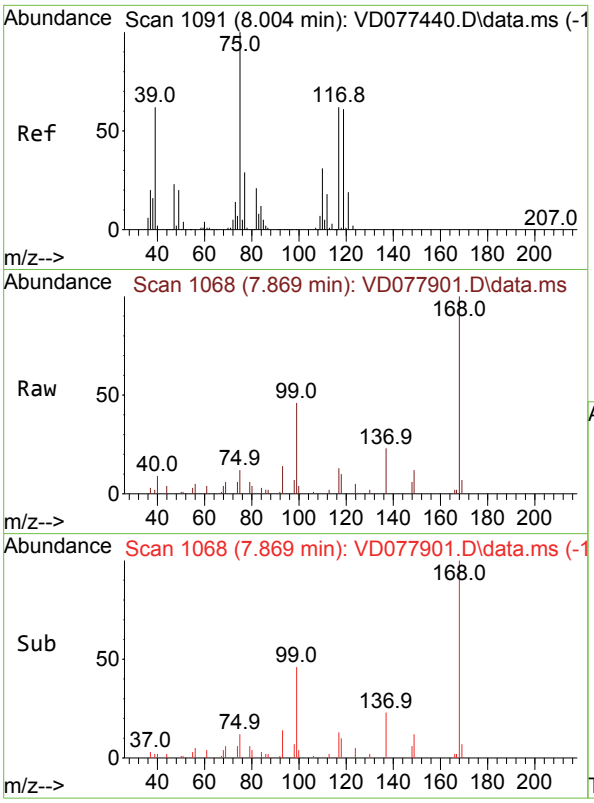




#35
Dibromofluoromethane
Concen: 52.407 ug/l
RT: 7.816 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion:113 Resp: 21169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 84.7 | 127.1 |
| 192 | 17.4 | 16.8 | 25.2 |



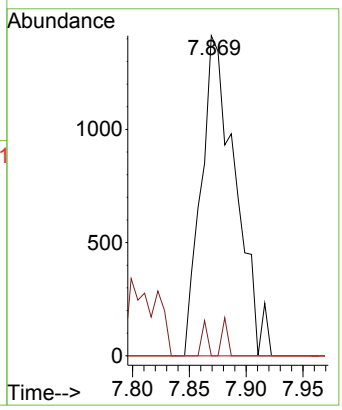


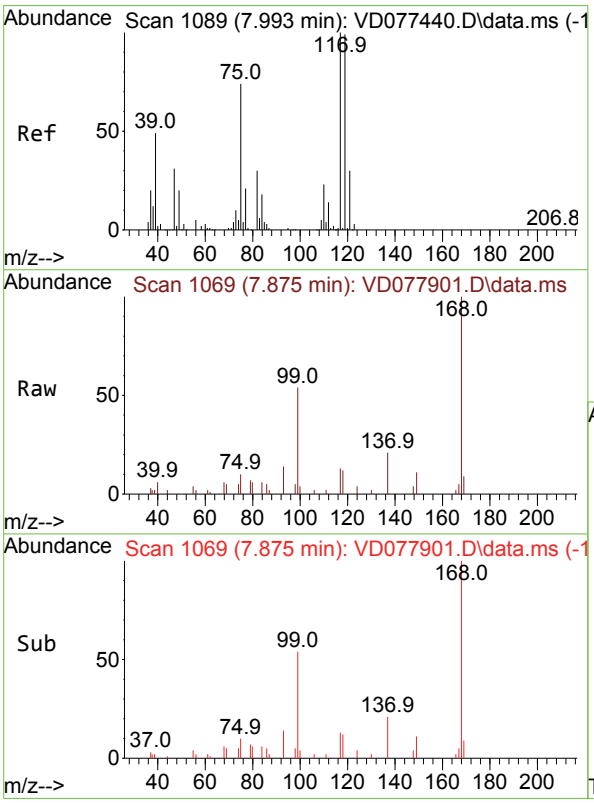

#36
1,1-Dichloropropene
Concen: 4.572 ug/l
RT: 7.869 min Scan# 1
Delta R.T. -0.135 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 75 Resp: 2954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 1.9 | 19.9 | 59.6# |
| 77 | 0.0 | 24.7 | 37.1# |

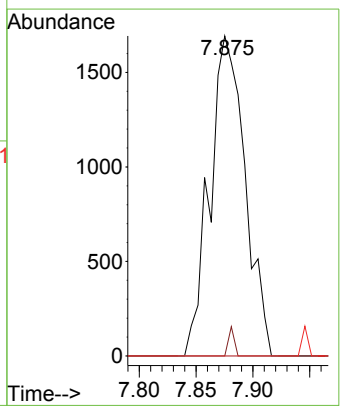


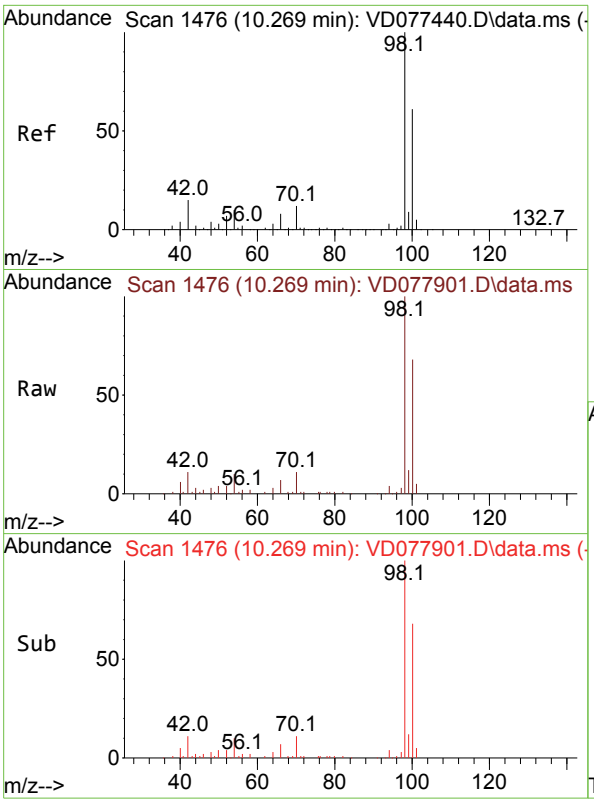




#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion:117 Resp: 3666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 78.0 | 117.0# |
| 121 | 0.0 | 24.2 | 36.2# |



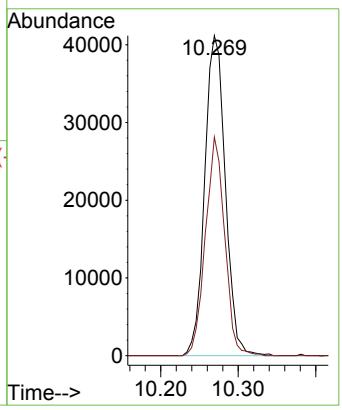


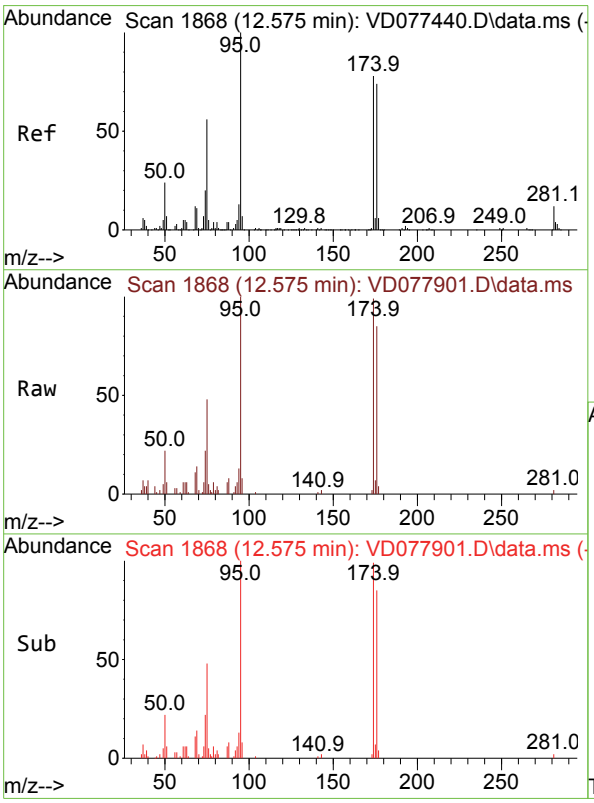

#50
Toluene-d8
Concen: 46.982 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 98 Resp: 76009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 50.3 | 75.5 |

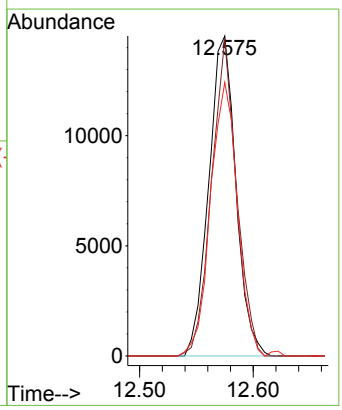


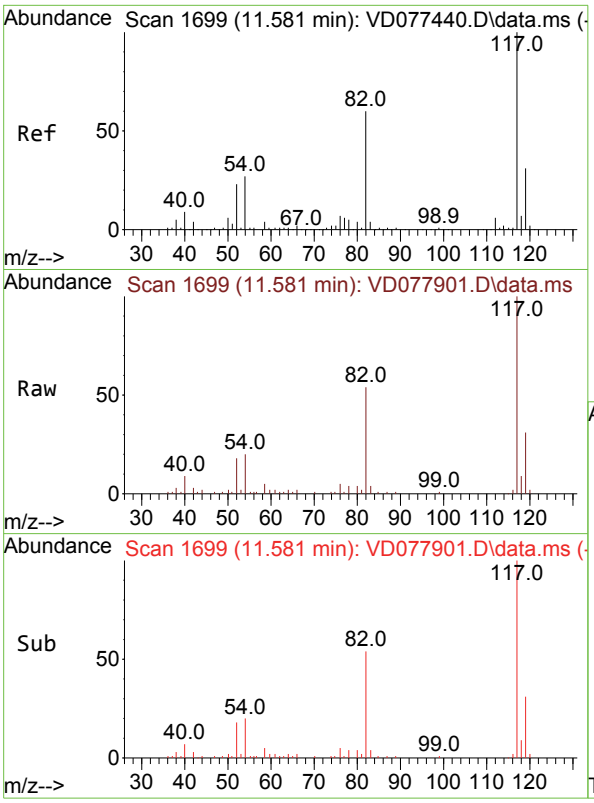




#62
4-Bromofluorobenzene
Concen: 49.871 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion: 95 Resp: 24122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.6 | 0.0 | 201.8 |
| 176 | 84.8 | 0.0 | 191.8 |



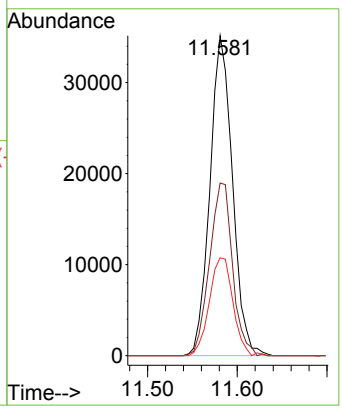


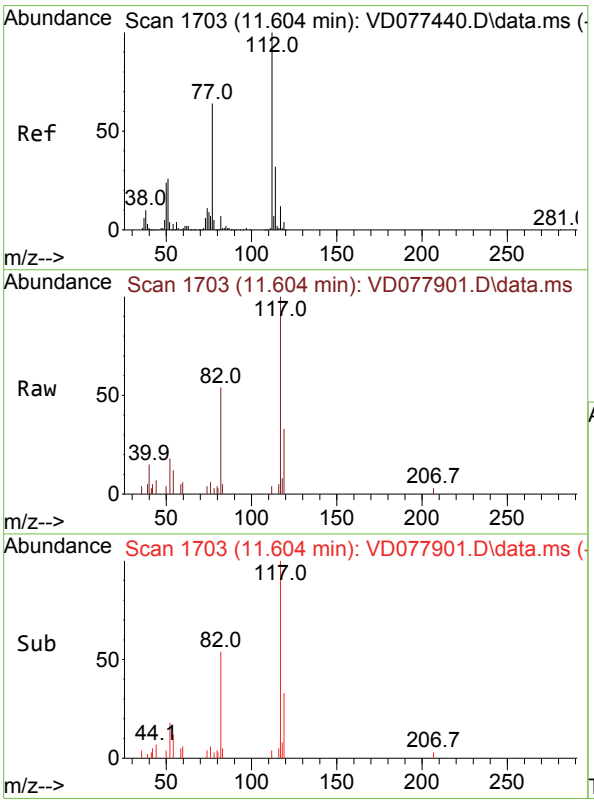

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:117 Resp: 61332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 38.3 | 57.5 |
| 119 | 30.6 | 25.0 | 37.4 |

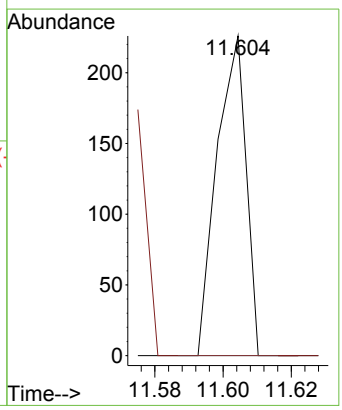


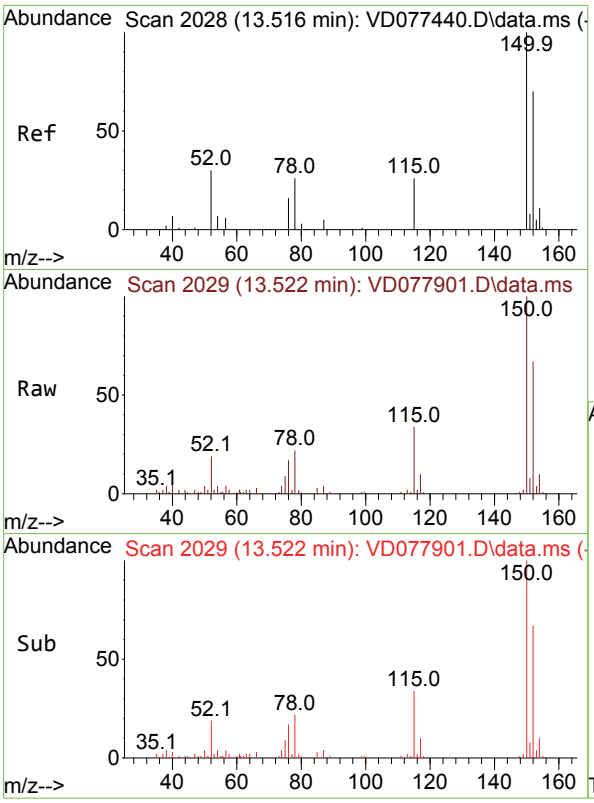




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion:112 Resp: 134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 0.0 | 25.1 | 37.7# |



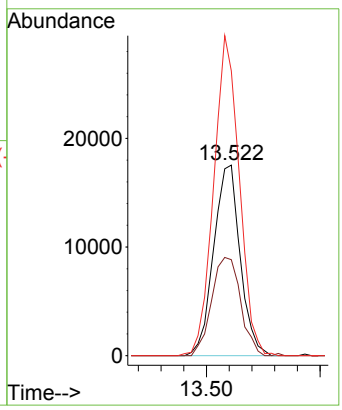


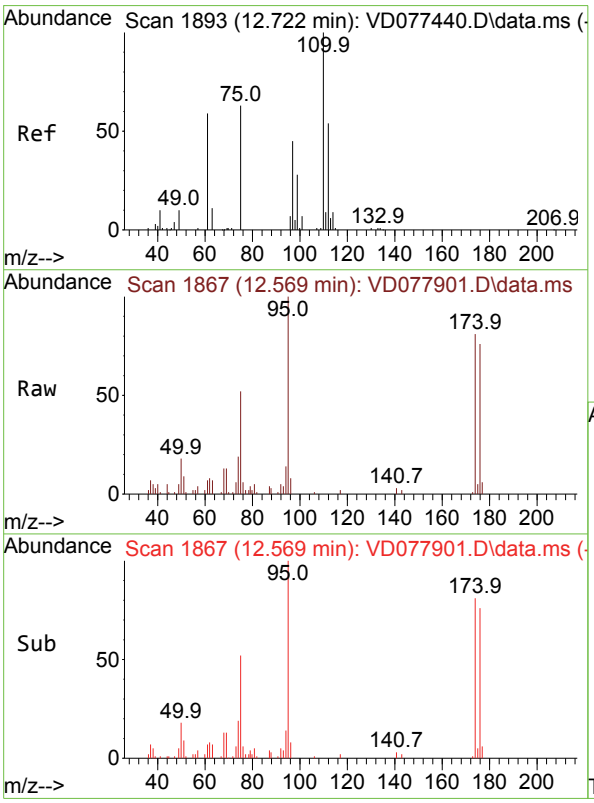

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion:152 Resp: 28434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.3 | 27.1 | 81.3 |
| 150 | 161.9 | 0.0 | 353.6 |

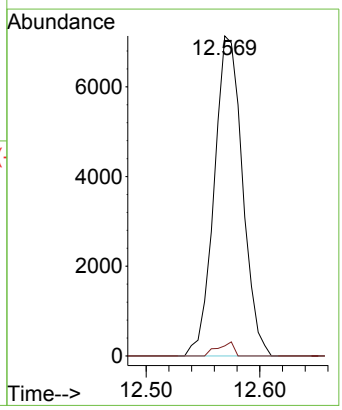


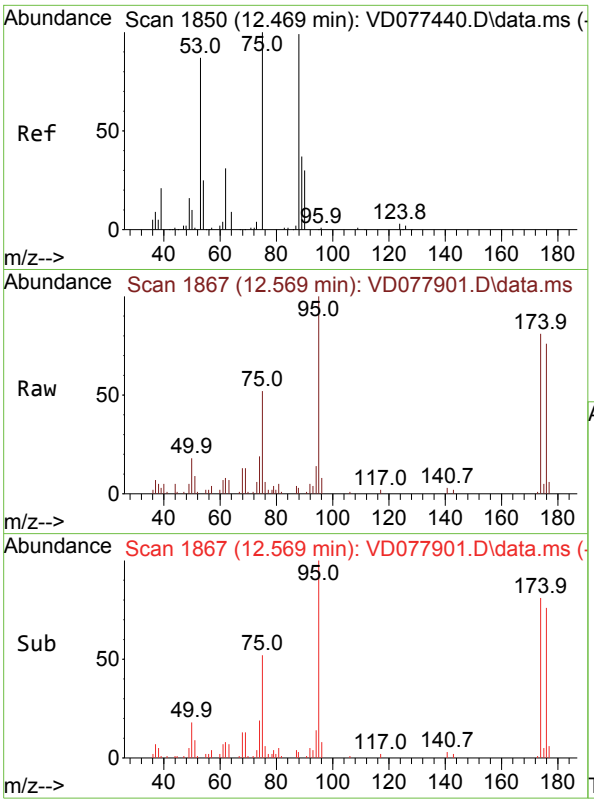




#76
1,2,3-Trichloropropane
Concen: 49.917 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

Tgt Ion: 75 Resp: 12327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 2.5 | 0.0 | 0.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 101.135 ug/l
RT: 12.569 min Scan# 1
Delta R.T. 0.100 min
Lab File: VD077901.D
Acq: 15 Dec 2023 14:08

**Instrument :**
MSVOA_D
**ClientSampleId :**

Tgt Ion: 75 Resp: 12327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 63.0 | 94.4# |
| 89 | 0.0 | 37.9 | 56.9# |