Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046174.D
Acq On : 13 May 2025 18:18
Operator : JC/MD
Sample : Q2017-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Quant Time: May 14 01:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

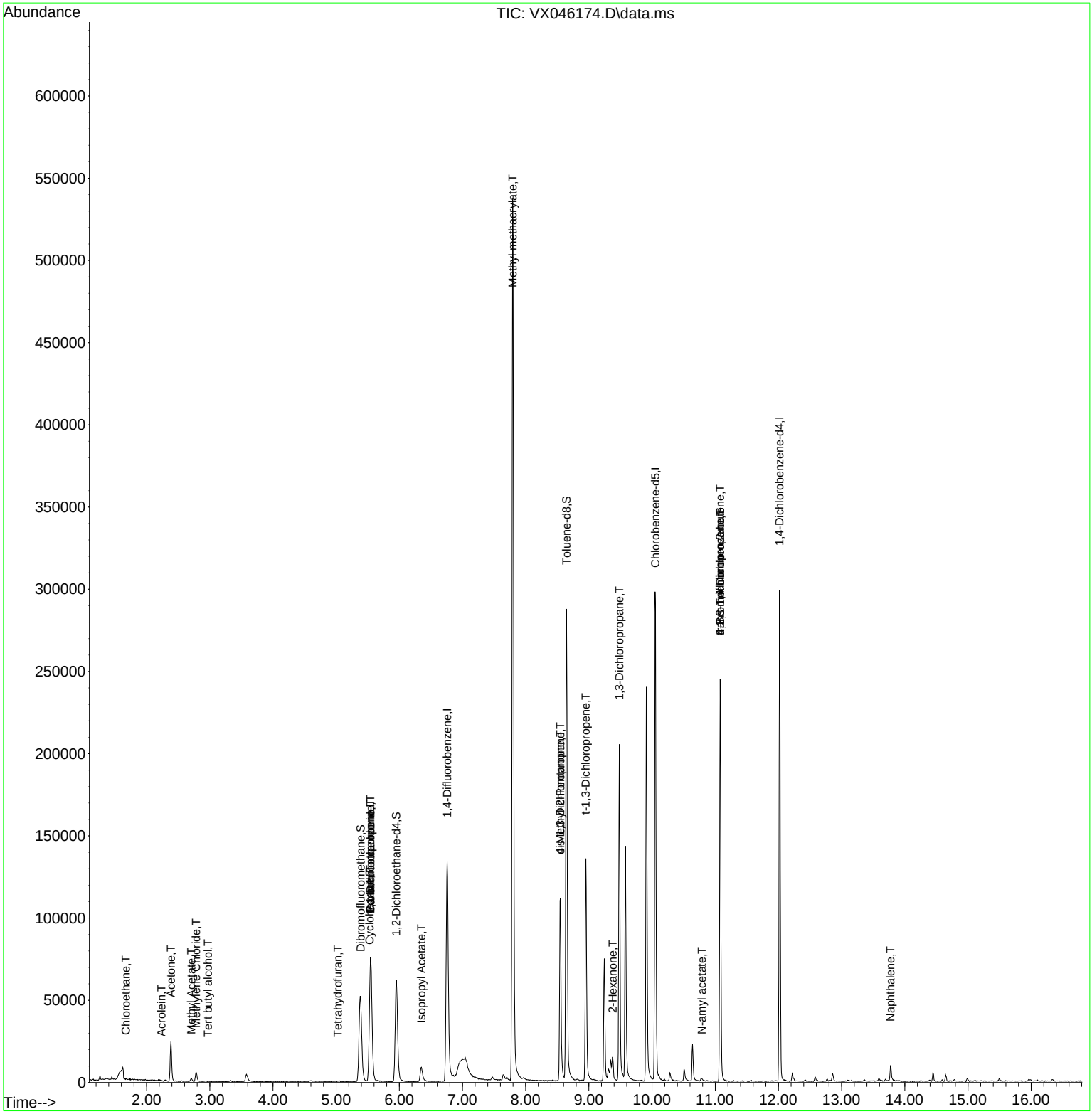
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 65625 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 130004 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 123972 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 55019 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 63786 | 52.136 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 104.280% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 46683 | 49.866 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.740% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 164013 | 50.618 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.240% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 65992 | 53.095 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 106.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) Chloroethane | 1.672 | 64 | 164 | 0.339 | ug/l # | 44 |
| 11) Tert butyl alcohol | 2.971 | 59 | 136 | 0.792 | ug/l # | 72 |
| 13) Acrolein | 2.233 | 56 | 55 | 0.281 | ug/l # | 15 |
| 16) Acetone | 2.386 | 43 | 26256 | 53.524 | ug/l | 97 |
| 18) Methyl Acetate | 2.709 | 43 | 2543 | 2.234 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 2759 | 2.935 | ug/l | 95 |
| 29) Tetrahydrofuran | 5.025 | 42 | 96 | 0.215 | ug/l # | 35 |
| 31) Cyclohexane | 5.531 | 56 | 934 | 0.641 | ug/l # | 40 |
| 36) 1,1-Dichloropropene | 5.544 | 75 | 6520 | 5.184 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.544 | 117 | 7688 | 5.440 | ug/l # | 15 |
| 43) Isopropyl Acetate | 6.348 | 43 | 13442 | 5.670 | ug/l | 97 |
| 48) Methyl methacrylate | 7.793 | 41 | 51430 | 42.477 | ug/l # | 49 |
| 51) 4-Methyl-2-Pentanone | 8.549 | 43 | 44055 | 27.994 | ug/l # | 51 |
| 53) t-1,3-Dichloropropene | 8.951 | 75 | 280 | 0.221 | ug/l # | 43 |
| 54) cis-1,3-Dichloropropene | 8.549 | 75 | 17078 | 12.215 | ug/l # | 58 |
| 57) 1,3-Dichloropropane | 9.482 | 76 | 1798 | 1.124 | ug/l # | 42 |
| 59) 2-Hexanone | 9.378 | 43 | 14066 | 12.081 | ug/l # | 28 |
| 74) N-amyl acetate | 10.787 | 43 | 1610 | 0.761 | ug/l # | 48 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 37671 | 28.445 | ug/l # | 36 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 37671 | 92.609 | ug/l # | 1 |
| 95) Naphthalene | 13.774 | 128 | 7724 | 2.013 | ug/l | 98 |

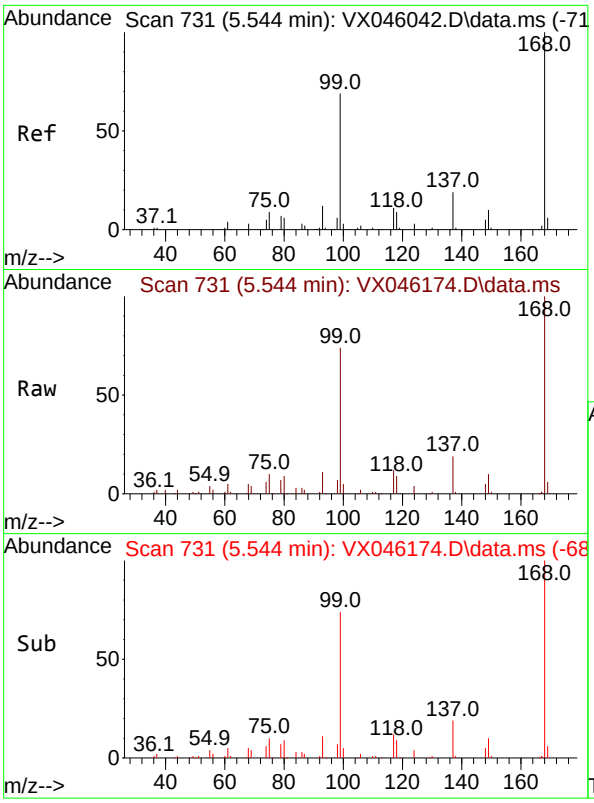
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046174.D
Acq On : 13 May 2025 18:18
Operator : JC/MD
Sample : Q2017-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Quant Time: May 14 01:45:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



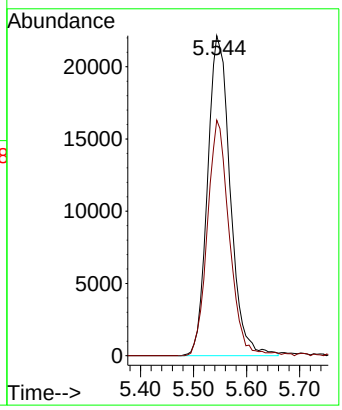


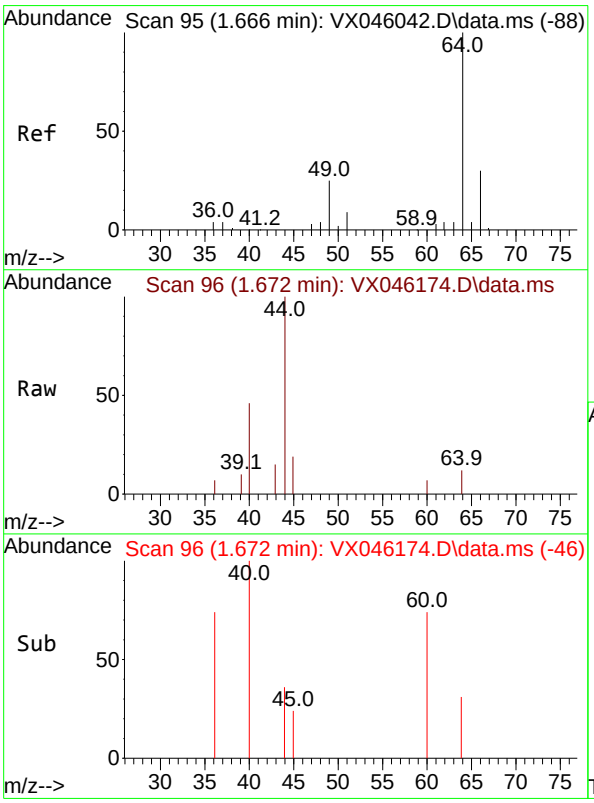

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion:168 Resp: 65625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 73.6 | 54.9 | 82.3 |

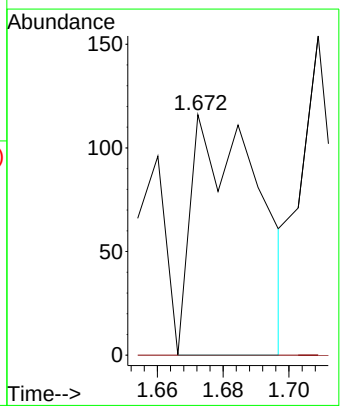


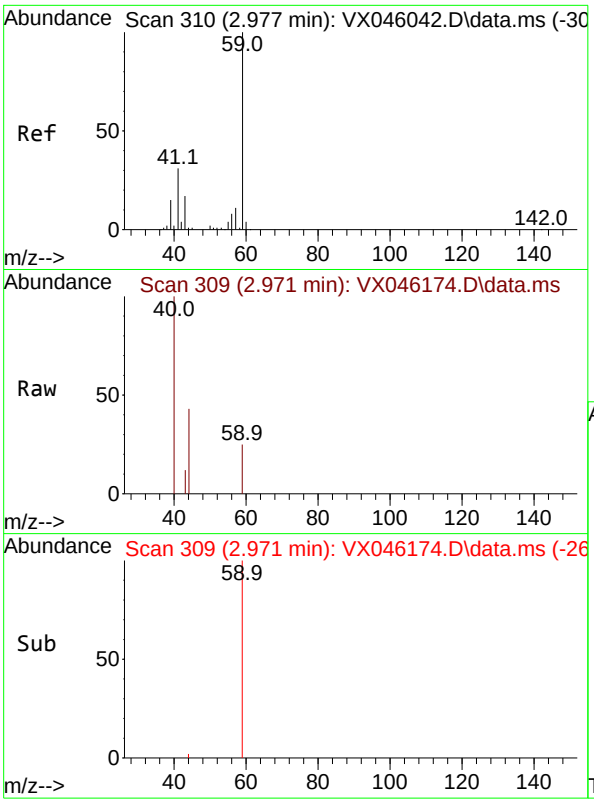




#6
Chloroethane
Concen: 0.339 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 64 Resp: 164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 24.3 | 36.5# |



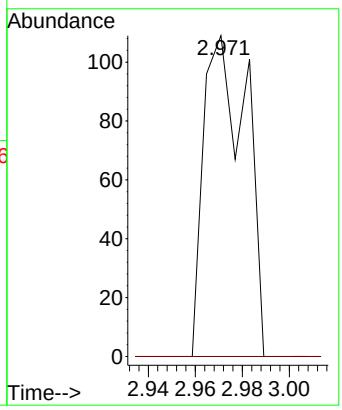


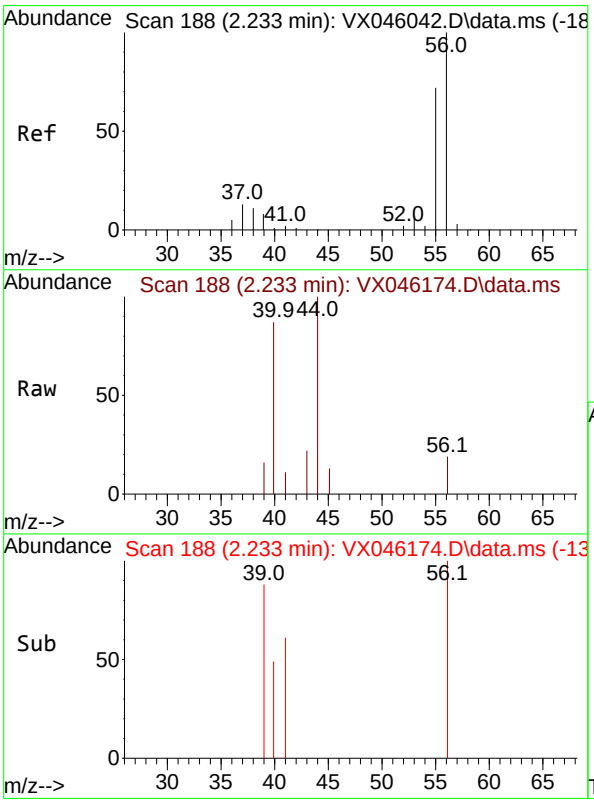

#11
Tert butyl alcohol
Concen: 0.792 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 59 Resp: 136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.6 | 12.8# |

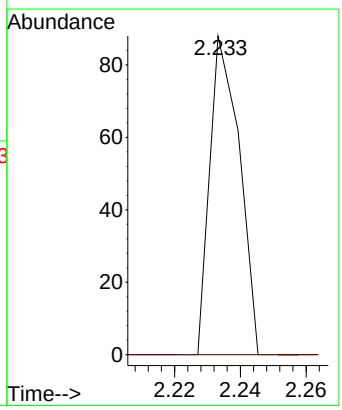


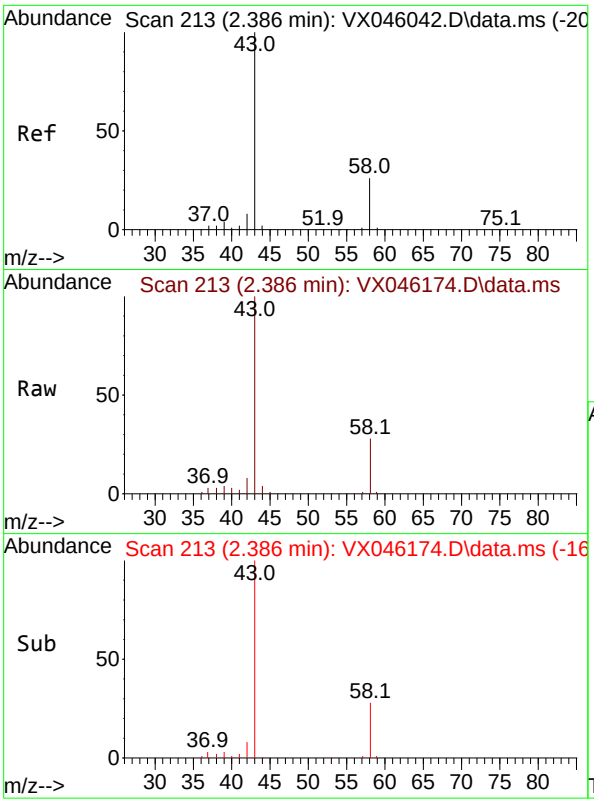




#13
Acrolein
Concen: 0.281 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 56 Resp: 55

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 56.2 | 84.4# |



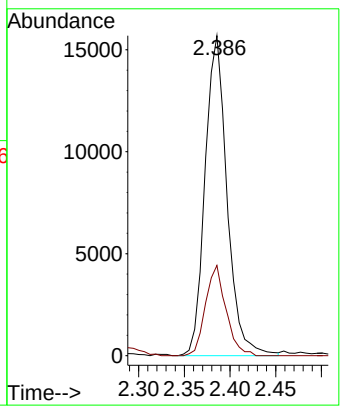


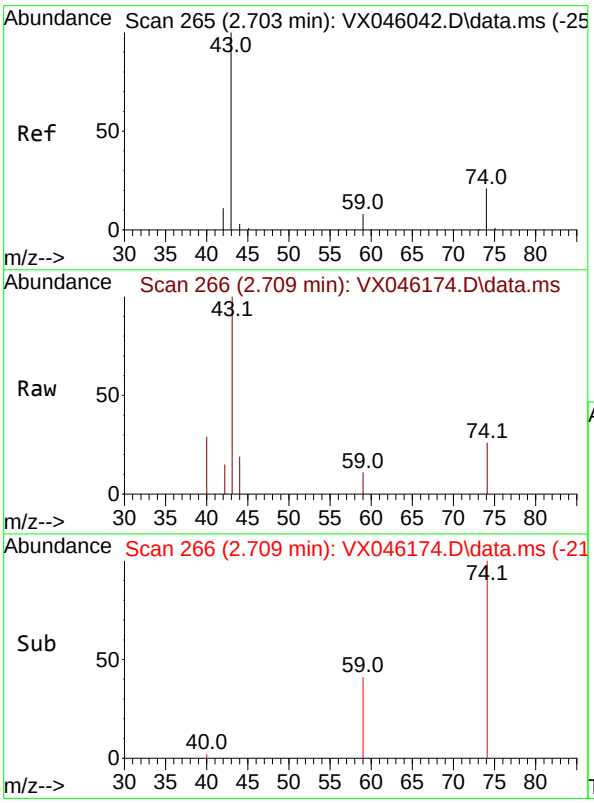

#16
Acetone
Concen: 53.524 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 43 Resp: 26256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.2 | 21.2 | 31.8 |

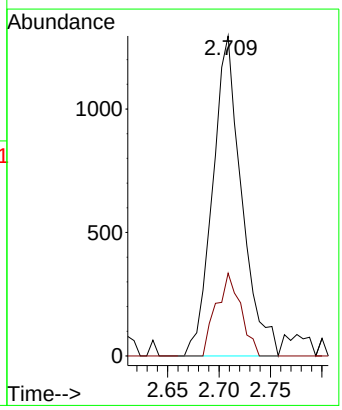


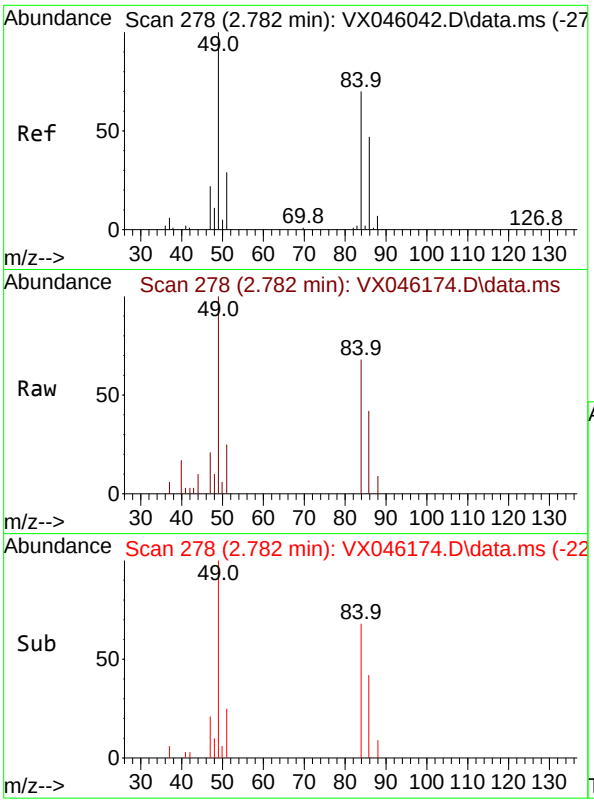




#18
Methyl Acetate
Concen: 2.234 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 43 Resp: 2543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.9 | 16.7 | 25.1 |



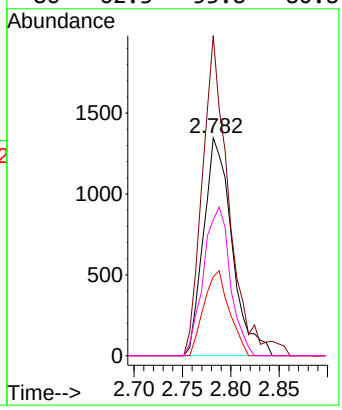


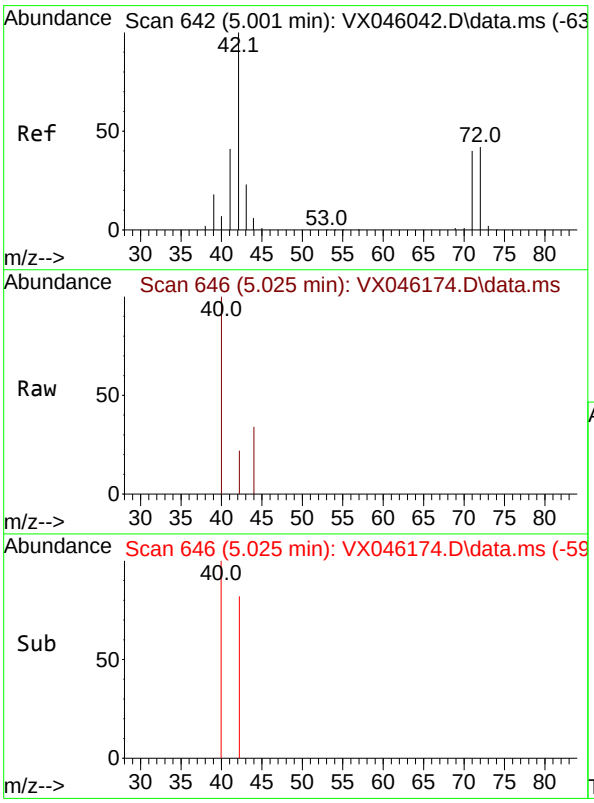

#20
Methylene Chloride
Concen: 2.935 ug/l
RT: 2.782 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 84 Resp: 2759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 146.9 | 113.9 | 170.9 |
| 51 | 36.2 | 33.5 | 50.3 |
| 86 | 62.3 | 53.8 | 80.8 |

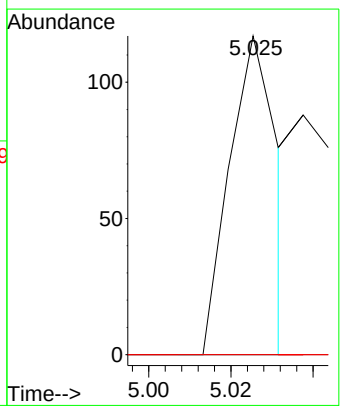


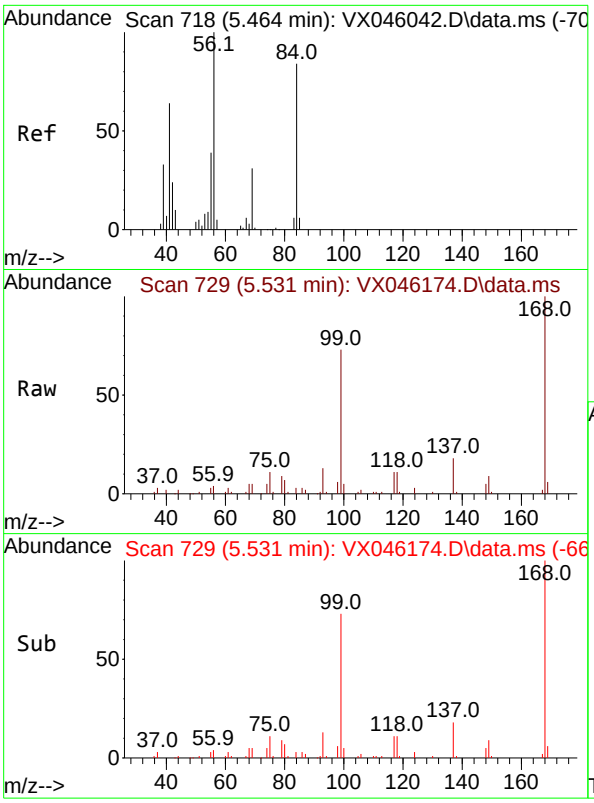




#29
Tetrahydrofuran
Concen: 0.215 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 42 Resp: 96

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 33.7 | 50.5# |
| 71 | 0.0 | 31.4 | 47.2# |



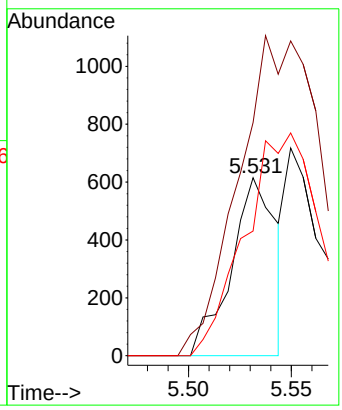


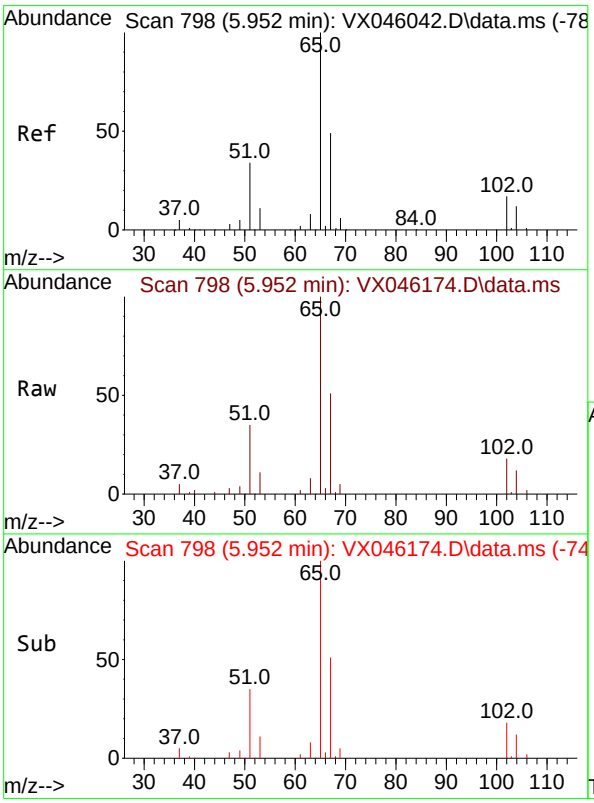

#31
Cyclohexane
Concen: 0.641 ug/l
RT: 5.531 min Scan# 7
Delta R.T. 0.067 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 56 Resp: 934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 131.1 | 24.4 | 36.6# |
| 84 | 70.1 | 66.9 | 100.3 |

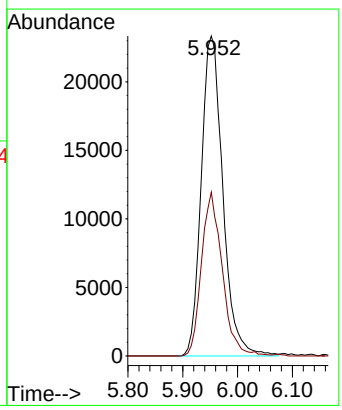


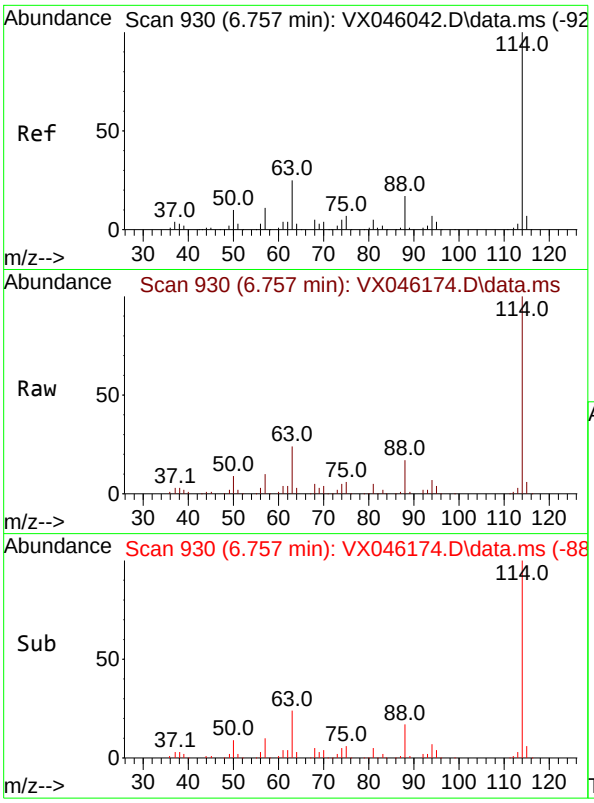




#33
1,2-Dichloroethane-d4
Concen: 52.136 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 65 Resp: 63786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.3 | 0.0 | 99.0 |



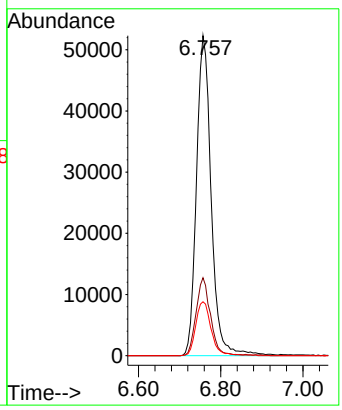


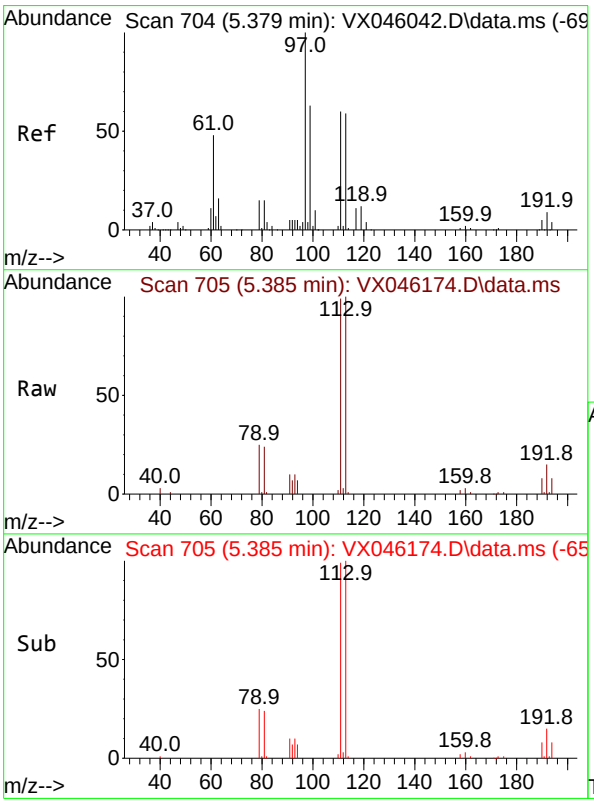

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion:114 Resp: 130004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.4 | 0.0 | 49.2 |
| 88 | 16.8 | 0.0 | 33.6 |

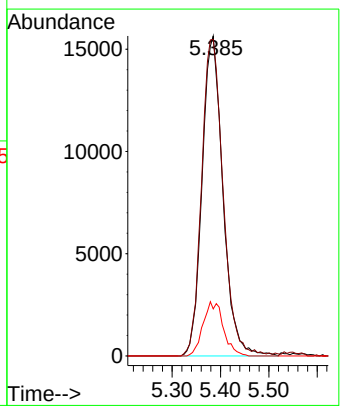


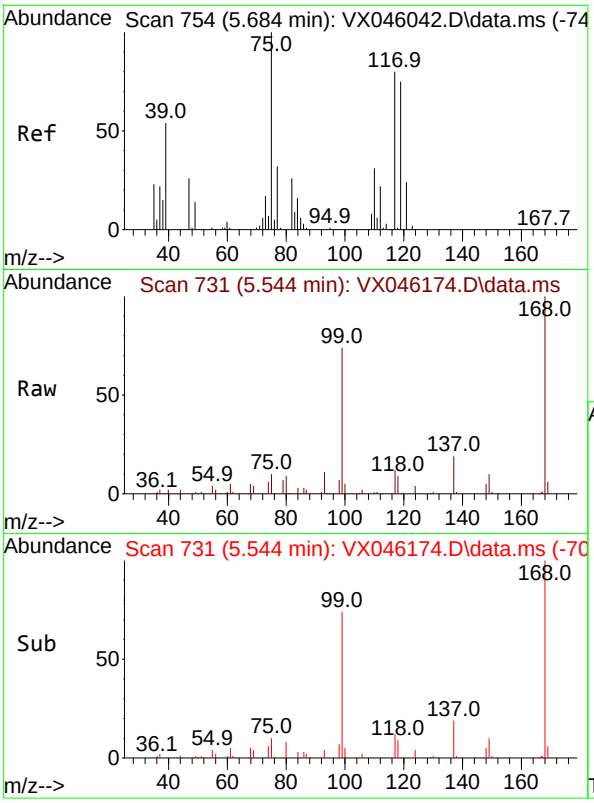




#35
Dibromofluoromethane
Concen: 49.866 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion:113 Resp: 46683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 83.1 | 124.7 |
| 192 | 16.6 | 13.3 | 19.9 |



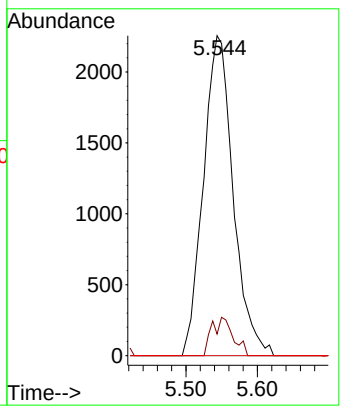


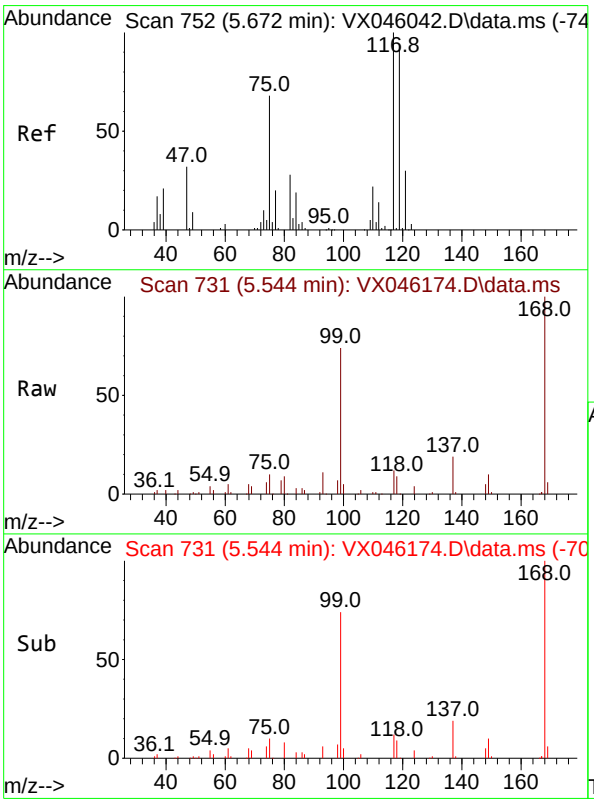

#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.140 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 75 Resp: 6520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.5 | 16.3 | 48.9# |
| 77 | 0.0 | 24.3 | 36.5# |

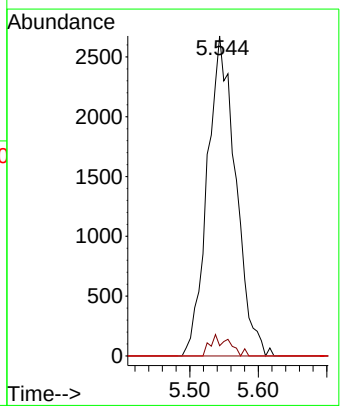


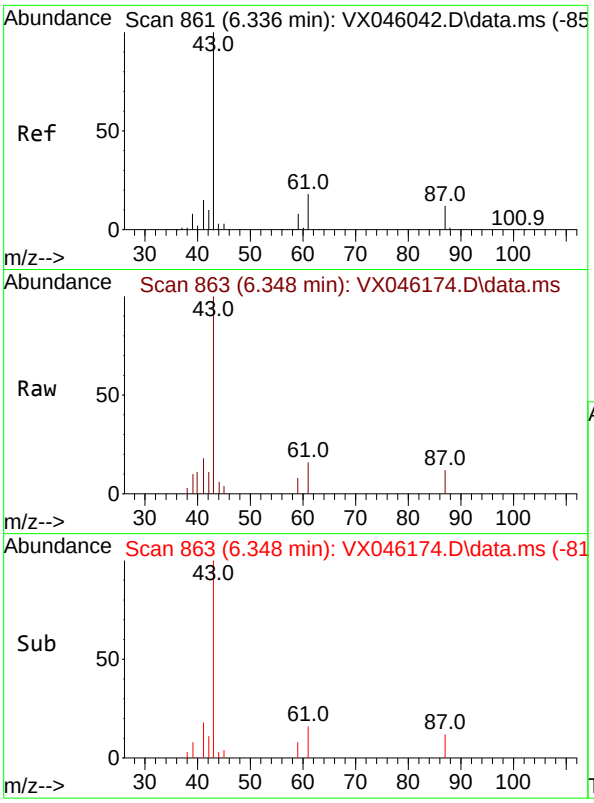




#38
Carbon Tetrachloride
Concen: 5.440 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion:117 Resp: 7688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.2 | 75.2 | 112.8# |
| 121 | 0.0 | 24.2 | 36.4# |



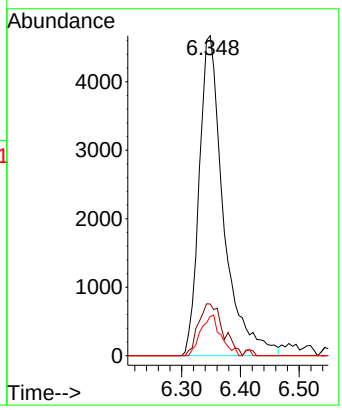


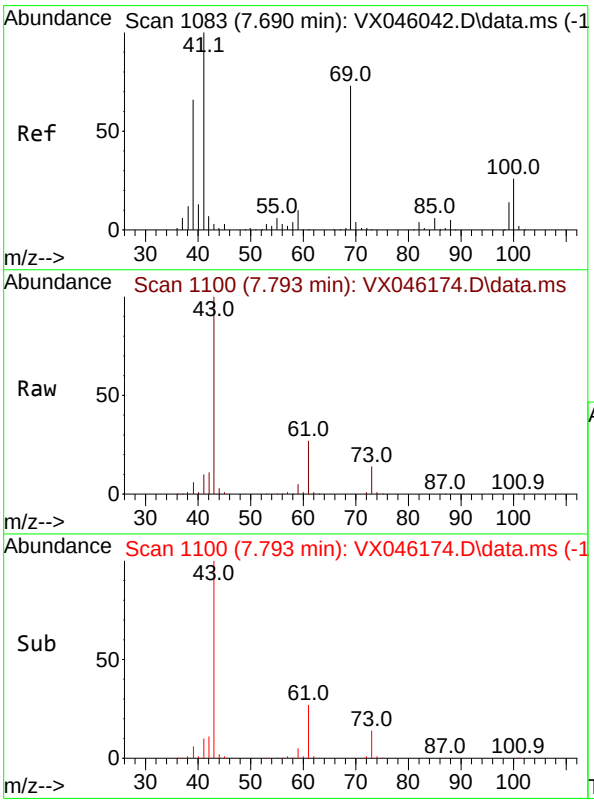

#43
Isopropyl Acetate
Concen: 5.670 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 43 Resp: 13442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.4 | 14.3 | 21.5 |
| 87 | 10.4 | 9.5 | 14.3 |

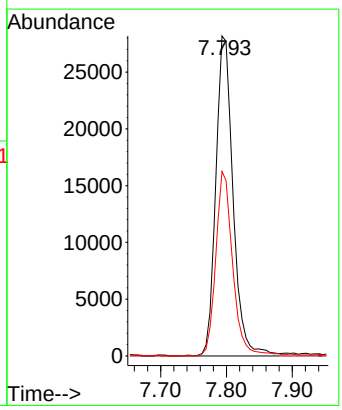


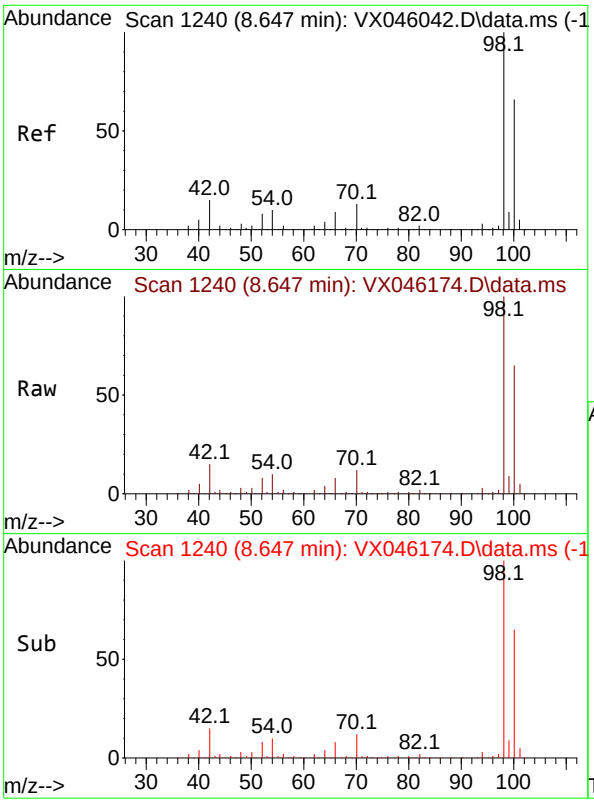




#48
Methyl methacrylate
Concen: 42.477 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 41 Resp: 51430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 58.5 | 87.7# |
| 39 | 56.7 | 51.7 | 77.5 |



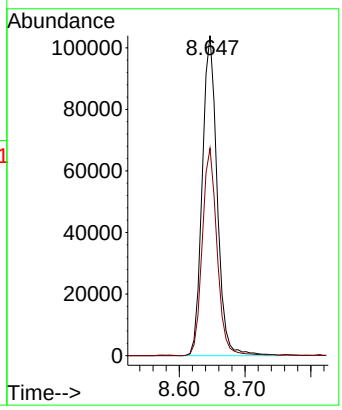


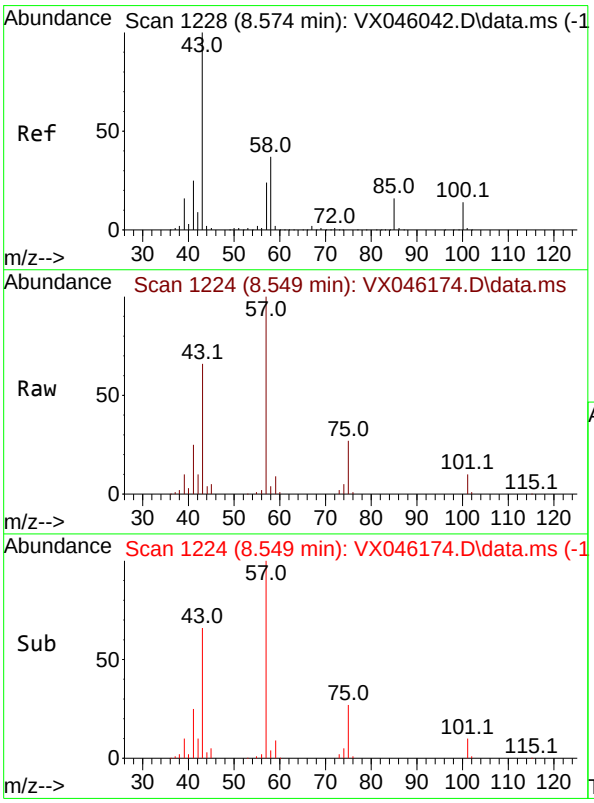

#50
Toluene-d8
Concen: 50.618 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 98 Resp: 164013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 53.5 | 80.3 |

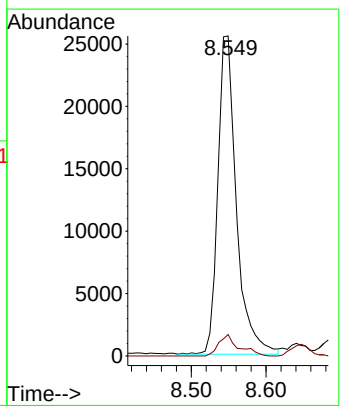


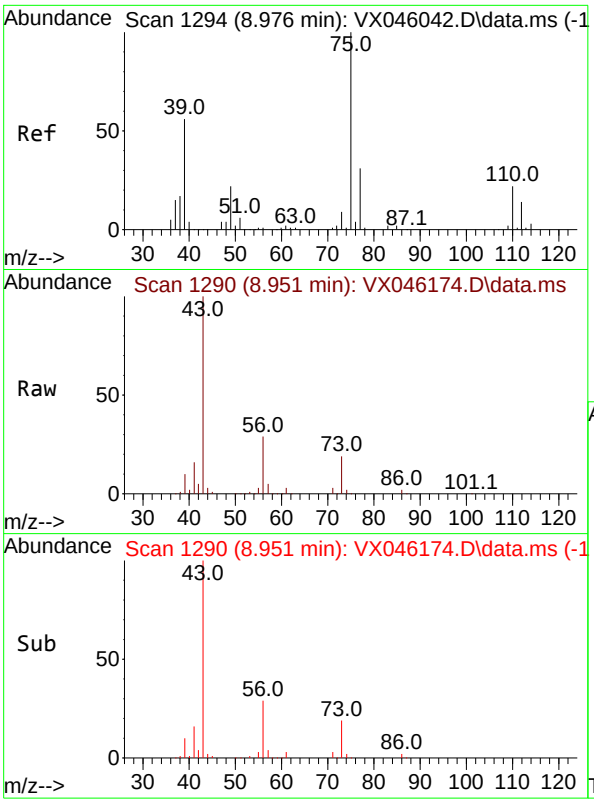




#51
4-Methyl-2-Pentanone
Concen: 27.994 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 43 Resp: 44055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 7.2 | 28.9 | 43.3# |



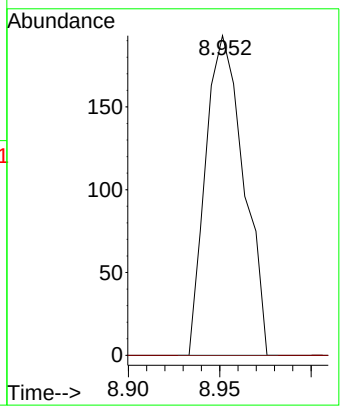


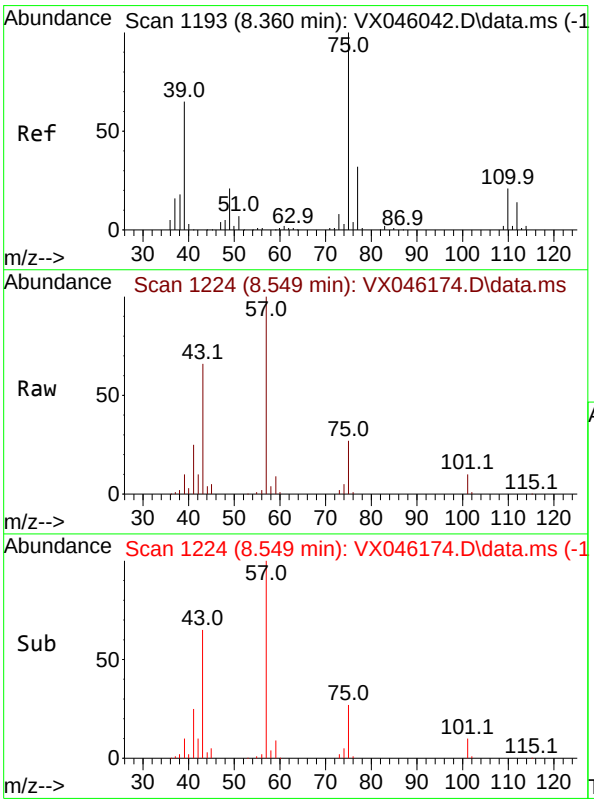

#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 8.951 min Scan# 1
Delta R.T. -0.025 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 75 Resp: 280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.0 | 37.6# |

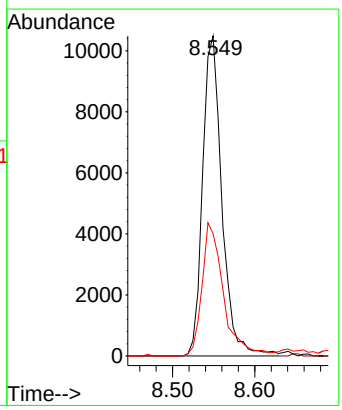


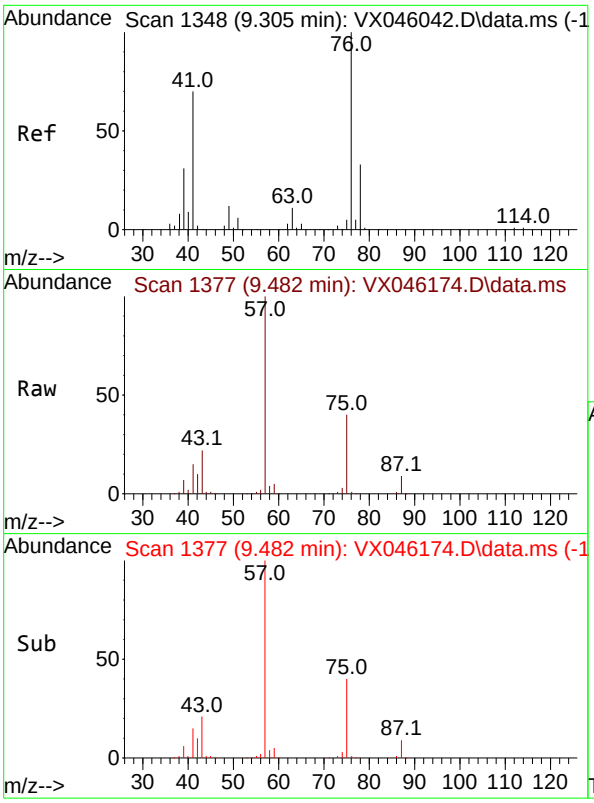




#54
cis-1,3-Dichloropropene
Concen: 12.215 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 75 Resp: 17078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 25.4 | 38.0# |
| 39 | 38.2 | 52.2 | 78.4# |



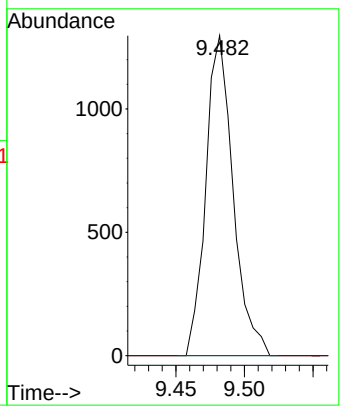


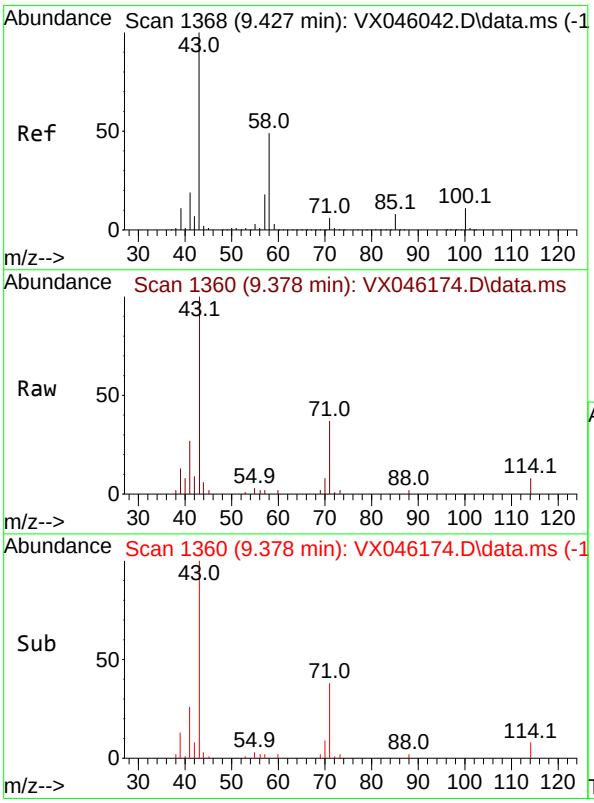

#57
1,3-Dichloropropane
Concen: 1.124 ug/l
RT: 9.482 min Scan# 1
Delta R.T. 0.177 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 76 Resp: 1798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 26.3 | 39.5# |

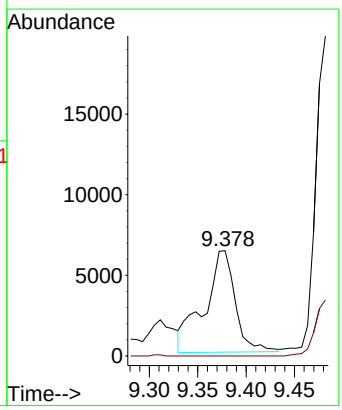


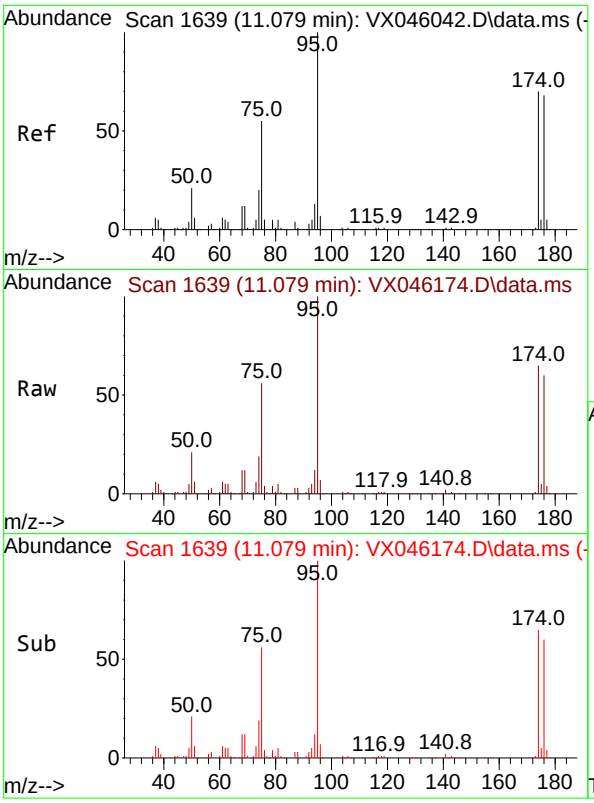




#59
2-Hexanone
Concen: 12.081 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 43 Resp: 14066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 24.9 | 74.6# |



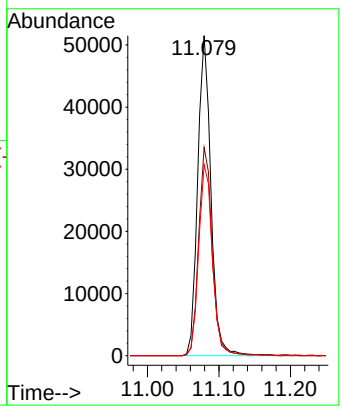


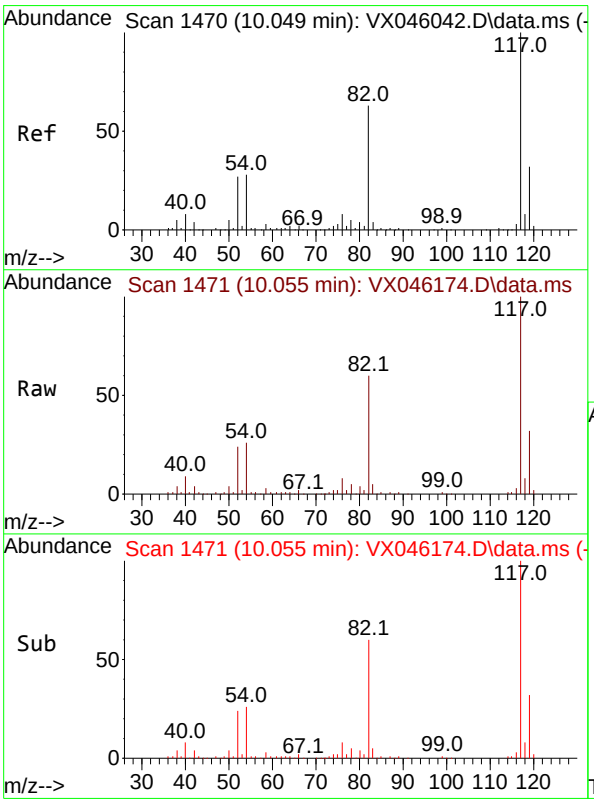

#62
4-Bromofluorobenzene
Concen: 53.095 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 95 Resp: 65992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.7 | 0.0 | 135.8 |
| 176 | 62.4 | 0.0 | 131.4 |

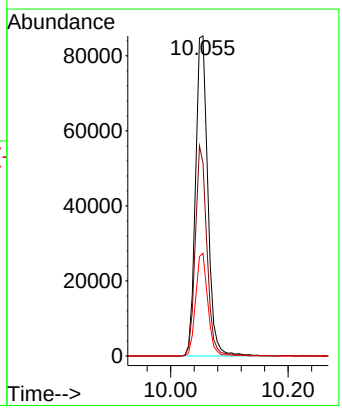


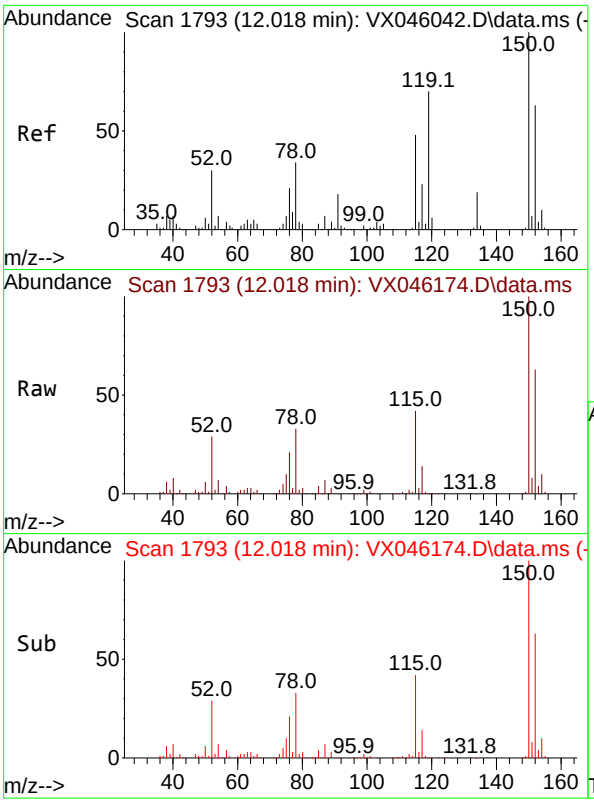




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion:117 Resp: 123972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.4 | 50.6 | 76.0 |
| 119 | 32.1 | 25.8 | 38.6 |



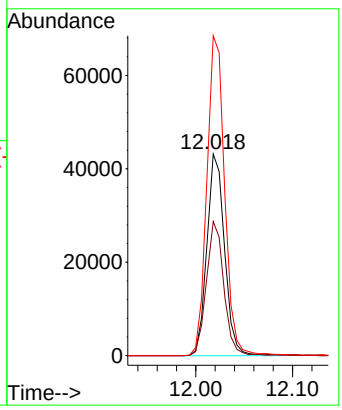


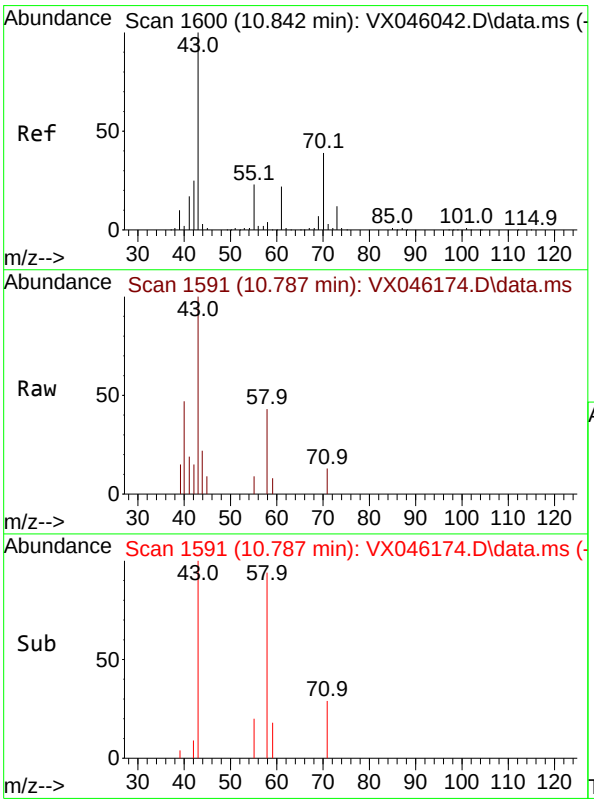

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion:152 Resp: 55019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.6 | 46.9 | 140.7 |
| 150 | 159.9 | 0.0 | 351.0 |

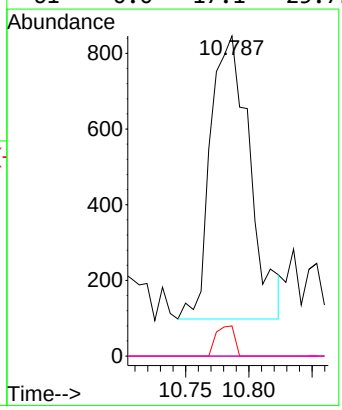


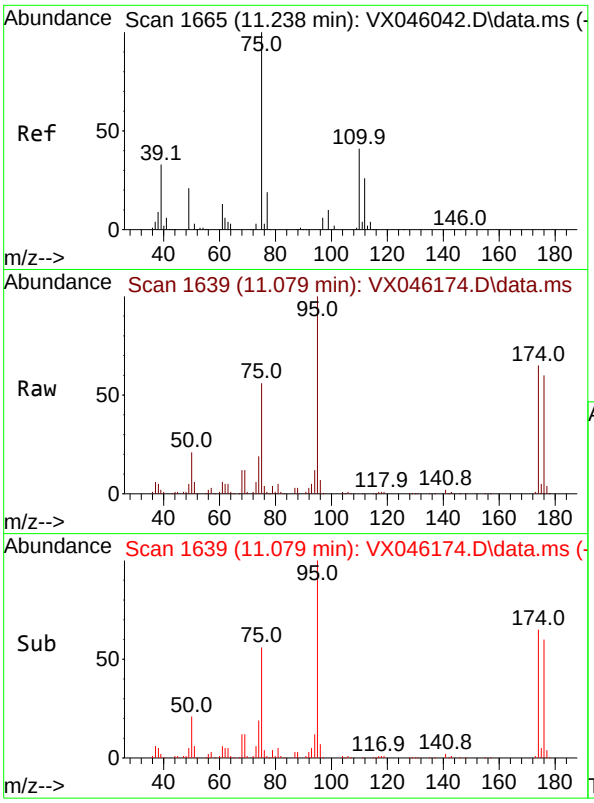




#74
N-amyl acetate
Concen: 0.761 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 43 Resp: 1610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 30.9 | 46.3# |
| 55 | 5.0 | 18.7 | 28.1# |
| 61 | 0.0 | 17.1 | 25.7# |



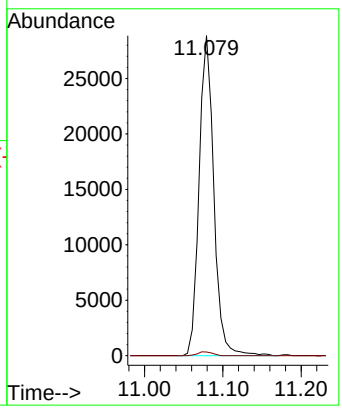


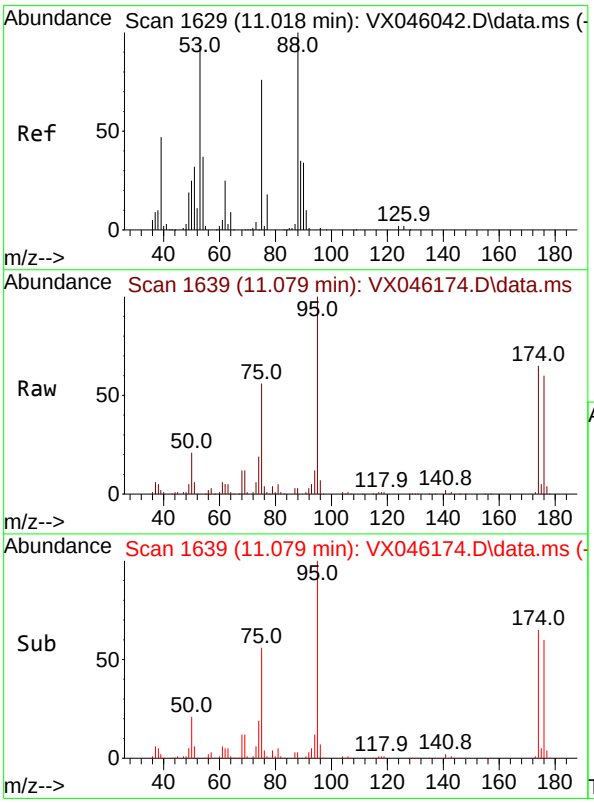

#76
1,2,3-Trichloropropane
Concen: 28.445 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.159 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion: 75 Resp: 37671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 20.5 | 61.5# |

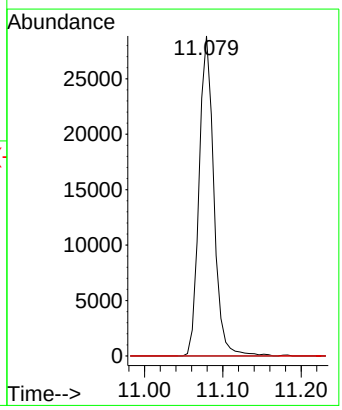


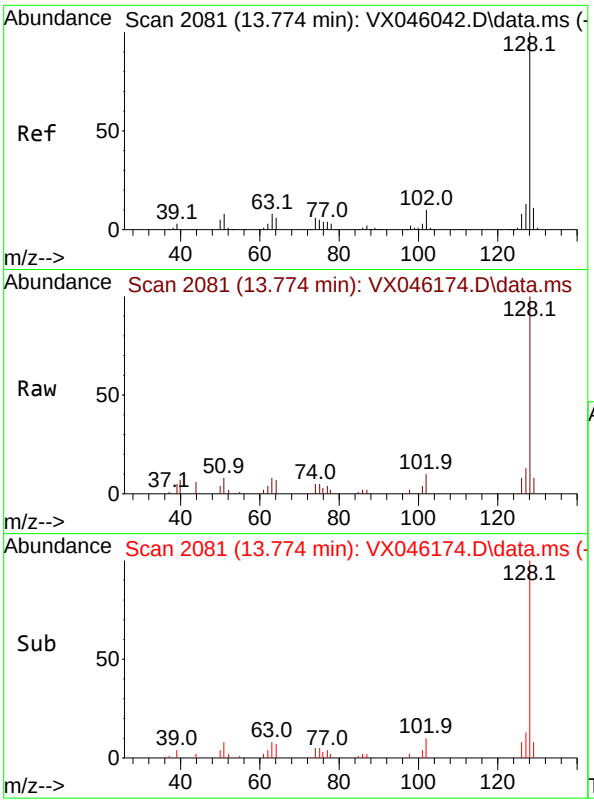




#81
trans-1,4-Dichloro-2-butene
Concen: 92.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

Tgt Ion: 75 Resp: 37671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 100.5 | 150.7# |
| 89 | 0.0 | 37.0 | 55.6# |






#95
Naphthalene
Concen: 2.013 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046174.D
Acq: 13 May 2025 18:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
MH-J

Tgt Ion:128 Resp: 7724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.5 | 10.4 | 15.6 |
| 129 | 10.5 | 8.6 | 13.0 |