Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
Data File : VY020993.D
Acq On : 30 Jan 2025 18:05
Operator : SY/MD
Sample : Q1216-09
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Quant Time: Jan 31 04:43:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 31 02:19:37 2025
Response via : Initial Calibration

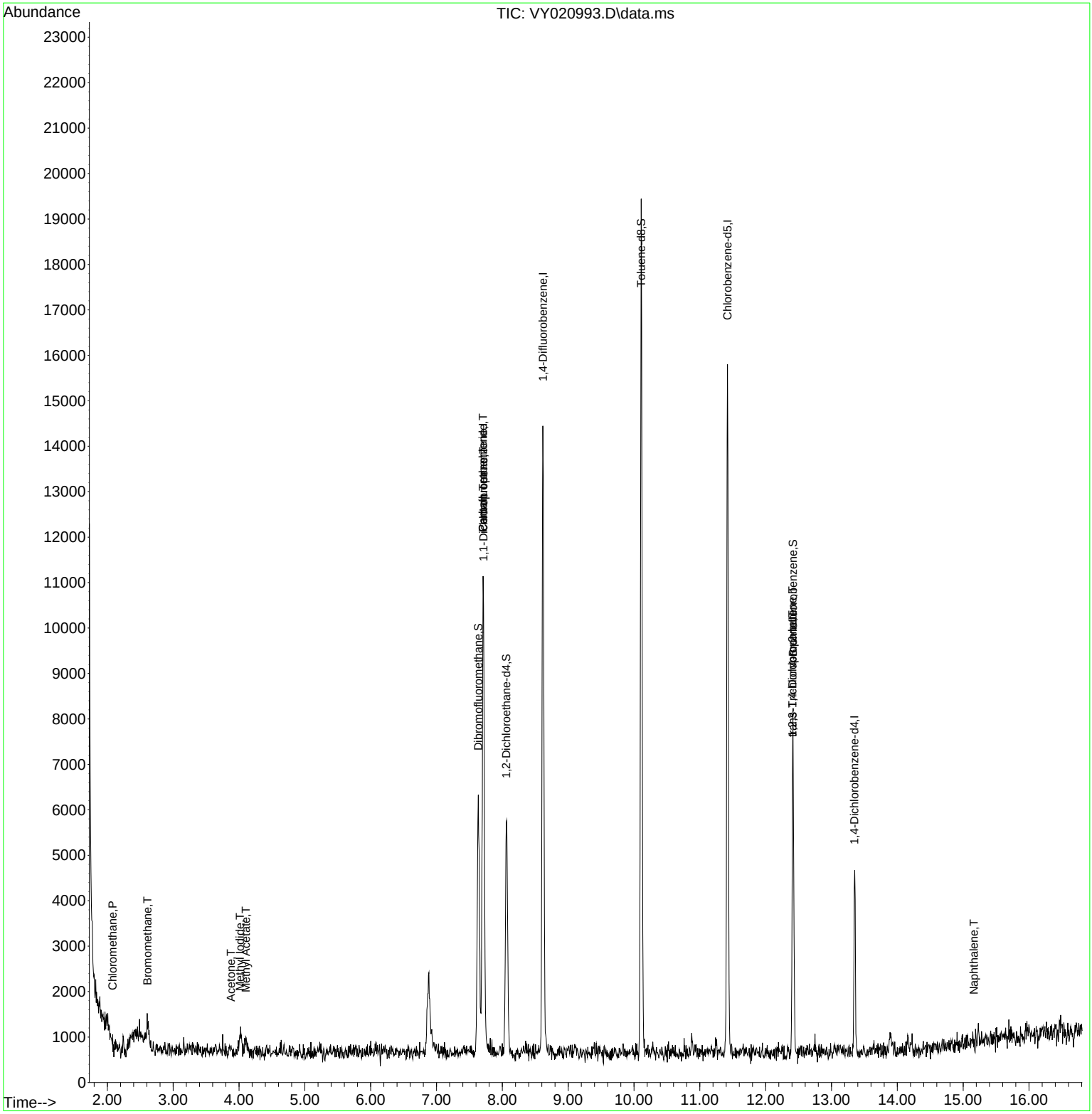
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 8991 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.616 | 114 | 13054 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.420 | 117 | 9470 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152 | 1334 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 4665 | 60.940 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 121.880% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 4232 | 53.926 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 107.860% | | | |
| 50) Toluene-d8 | 10.109 | 98 | 12549 | 40.969 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 81.940% | | | |
| 62) 4-Bromofluorobenzene | 12.414 | 95 | 2257 | 21.959 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 29 - 146 | | Recovery = 43.920% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 2.080 | 50 | 115 | 2.366 | ug/l # | 42 |
| 5) Bromomethane | 2.611 | 94 | 284 | 8.371 | ug/l # | 71 |
| 10) Methyl Iodide | 4.013 | 142 | 325 | 3.488 | ug/l # | 72 |
| 16) Acetone | 3.879 | 43 | 23 | 2.204 | ug/l # | 39 |
| 18) Methyl Acetate | 4.104 | 43 | 42 | 1.150 | ug/l # | 47 |
| 36) 1,1-Dichloropropene | 7.713 | 75 | 586 | 5.234 | ug/l # | 41 |
| 38) Carbon Tetrachloride | 7.707 | 117 | 744 | 5.370 | ug/l # | 13 |
| 76) 1,2,3-Trichloropropane | 12.408 | 75 | 991 | 93.842 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75 | 991 | 194.800 | ug/l # | 15 |
| 95) Naphthalene | 15.163 | 128 | 19 | 4.426 | ug/l # | 69 |

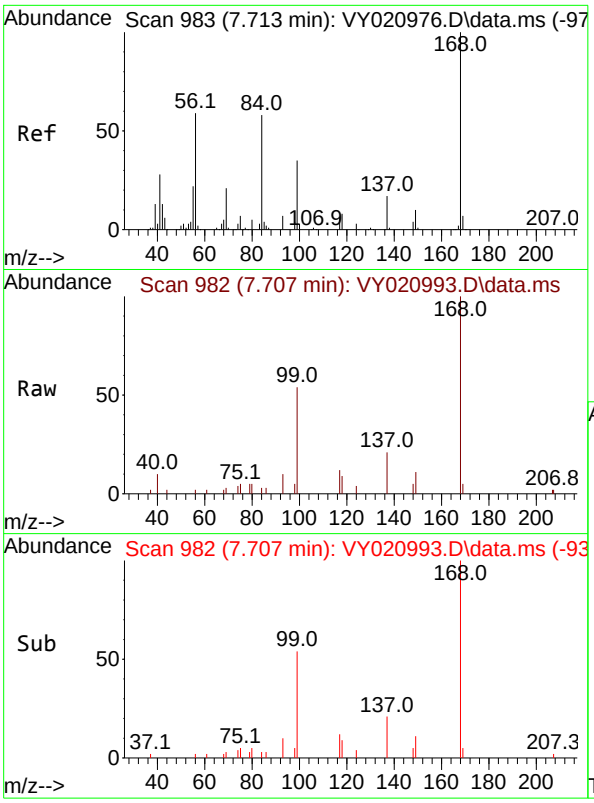
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
Data File : VY020993.D
Acq On : 30 Jan 2025 18:05
Operator : SY/MD
Sample : Q1216-09
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Quant Time: Jan 31 04:43:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 31 02:19:37 2025
Response via : Initial Calibration



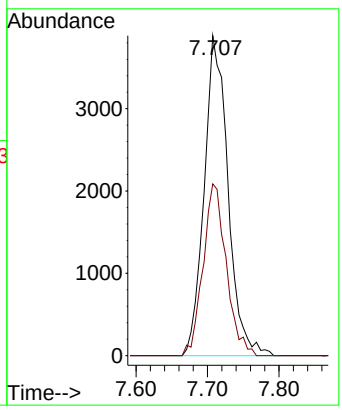


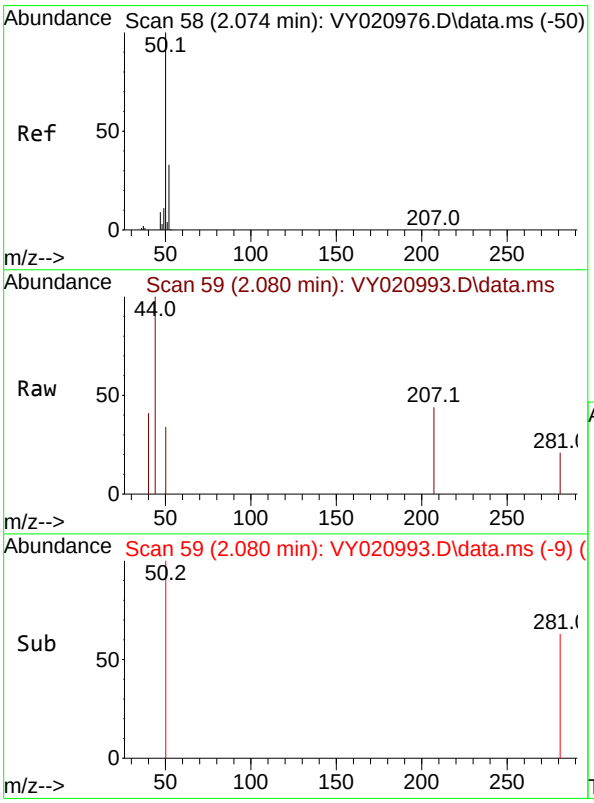

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:168 Resp: 8991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.7 | 42.2 | 63.2 |

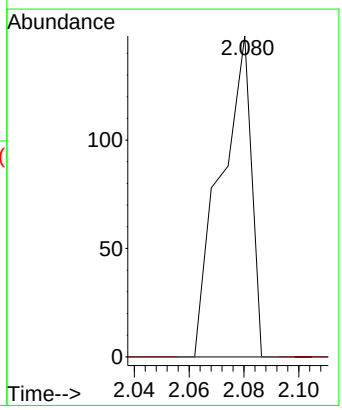


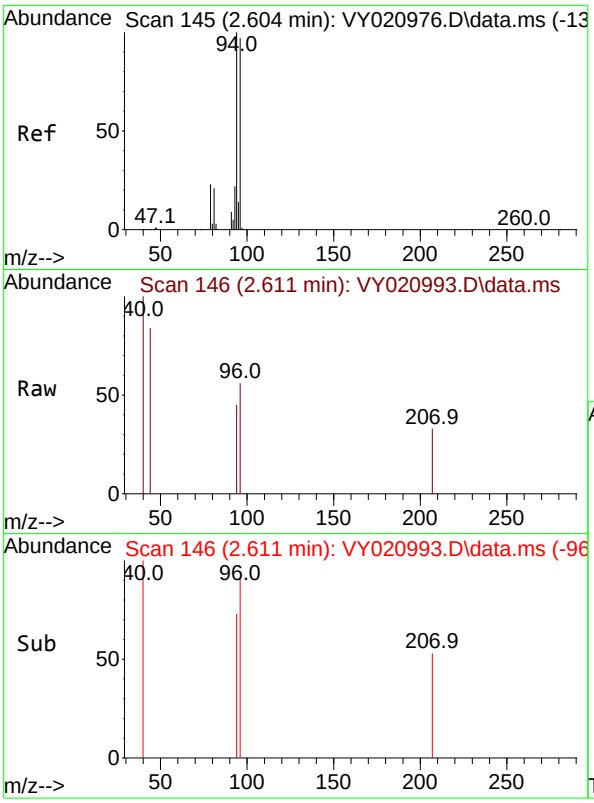




#3
Chloromethane
Concen: 2.366 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.007 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion: 50 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 26.3 | 39.5# |



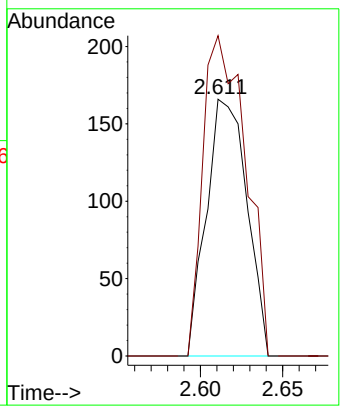


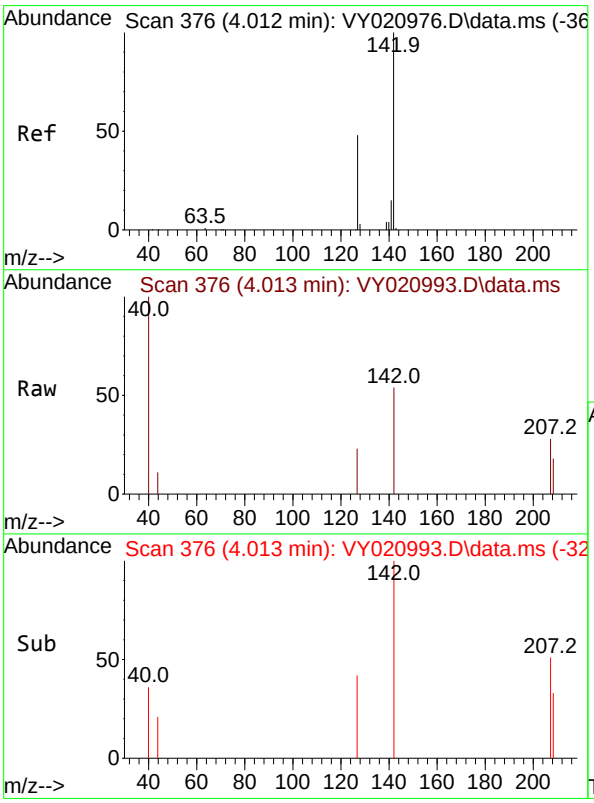

#5
Bromomethane
Concen: 8.371 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.007 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 94 Resp: 284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 124.7 | 77.4 | 116.0# |

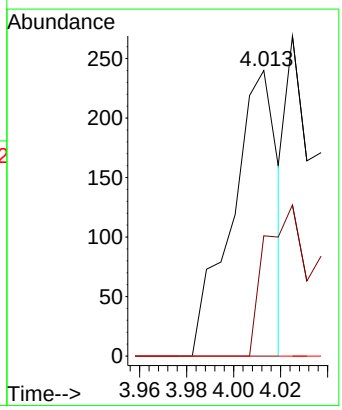


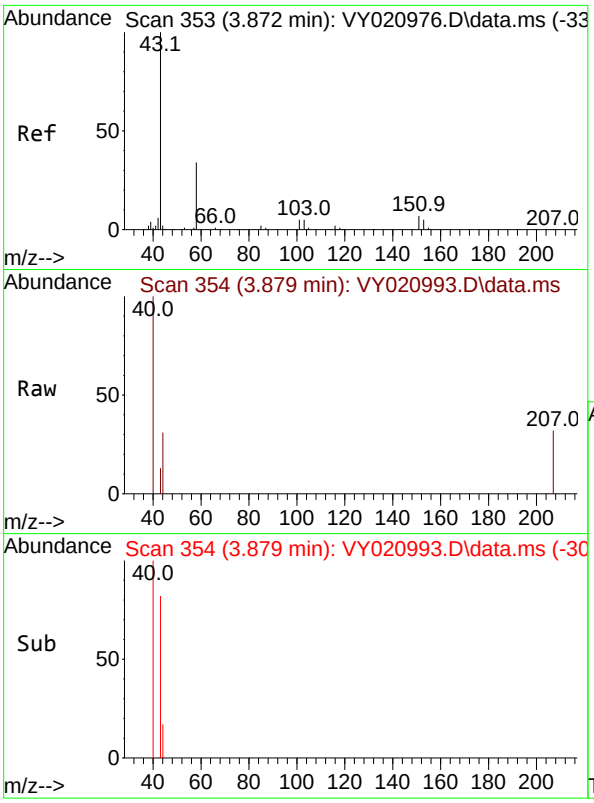




#10
Methyl Iodide
Concen: 3.488 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion:142 Resp: 325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 65.8 | 38.9 | 58.3# |
| 141 | 0.0 | 11.7 | 17.5# |



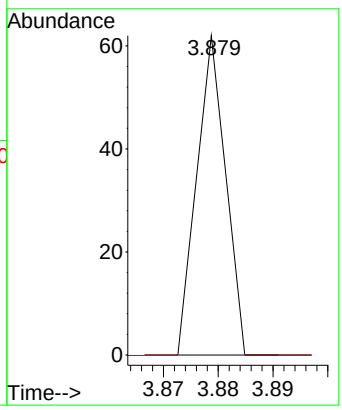


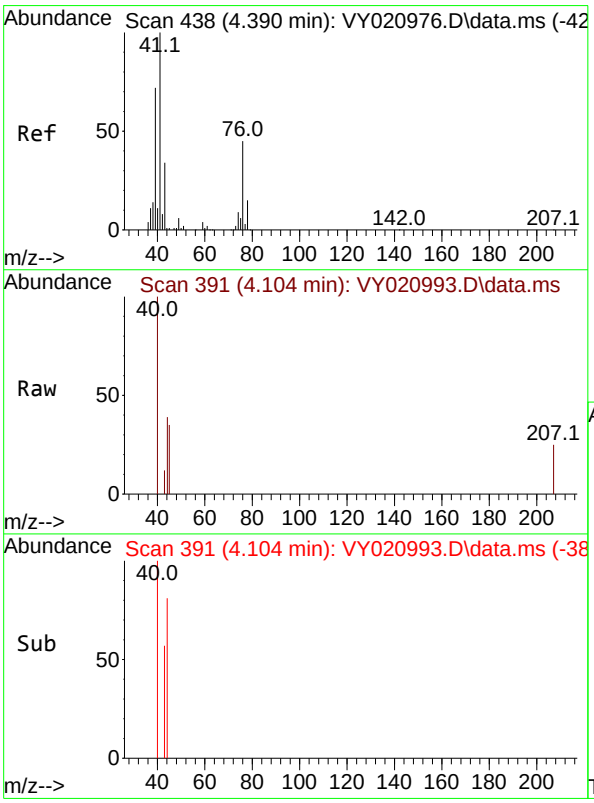

#16
Acetone
Concen: 2.204 ug/l
RT: 3.879 min Scan# 3
Delta R.T. 0.007 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 23

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 28.4 | 42.6# |

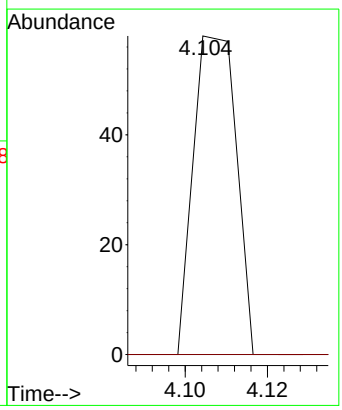


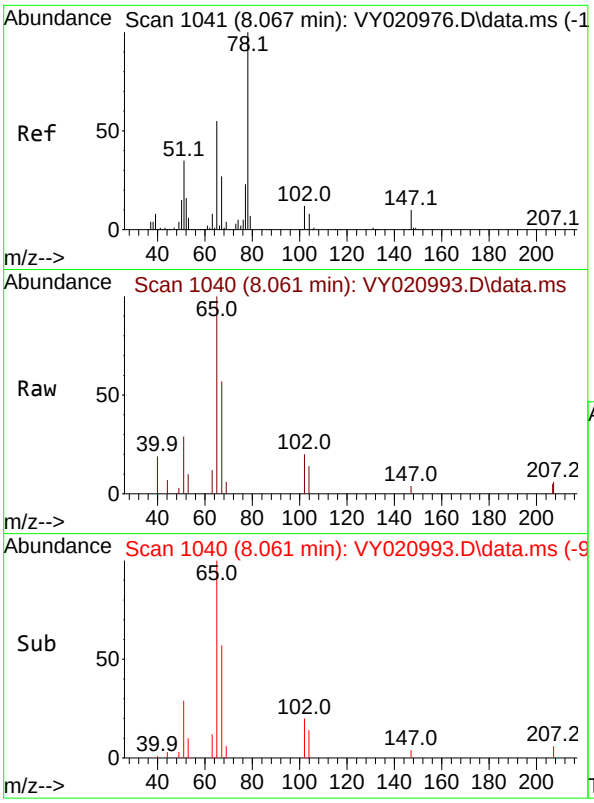




#18
Methyl Acetate
Concen: 1.150 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.286 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion: 43 Resp: 42

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 22.2 | 33.4# |



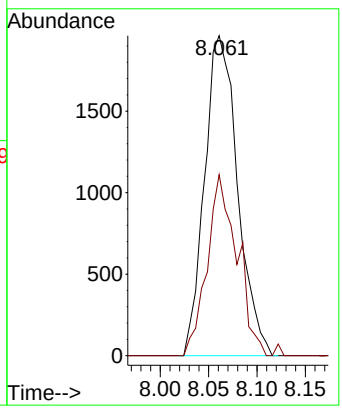


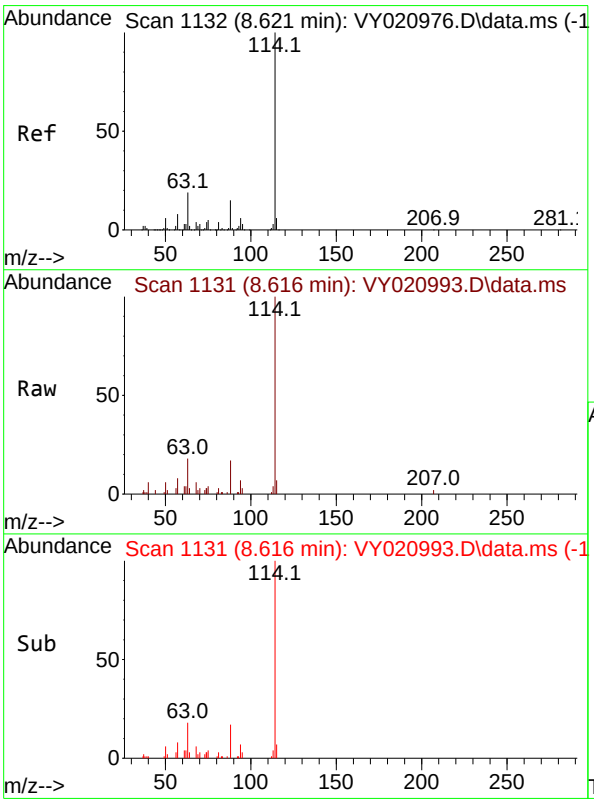

#33
1,2-Dichloroethane-d4
Concen: 60.940 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 65 Resp: 4665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 104.4 |

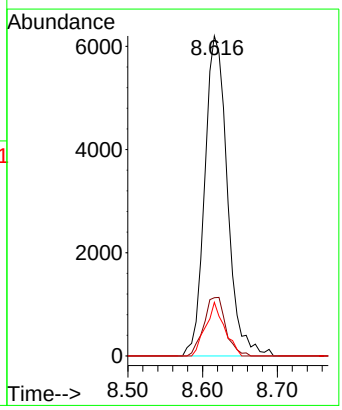


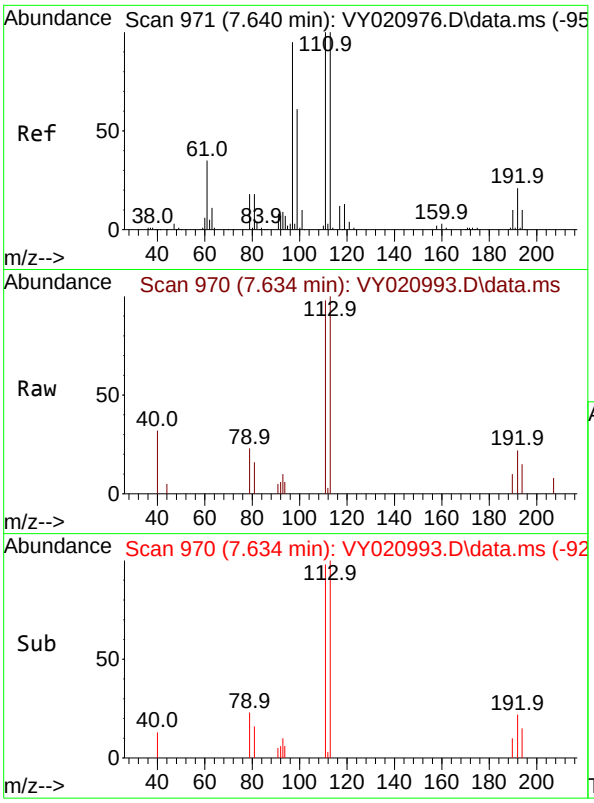




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion:114 Resp: 13054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.2 | 0.0 | 37.2 |
| 88 | 16.7 | 0.0 | 29.6 |



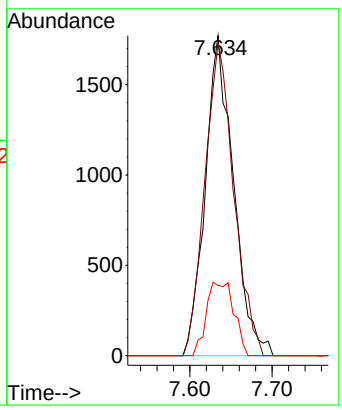


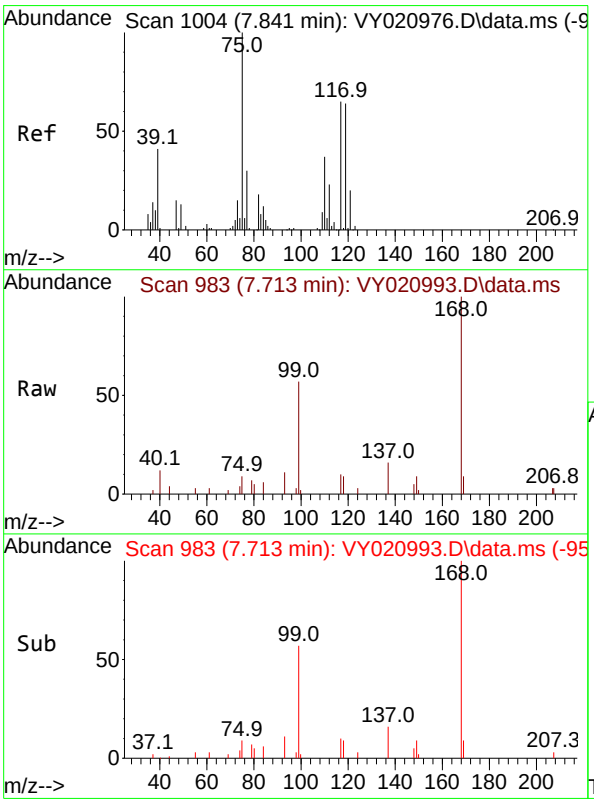

#35
Dibromofluoromethane
Concen: 53.926 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:113 Resp: 4232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.0 | 82.6 | 123.8 |
| 192 | 22.3 | 16.8 | 25.2 |

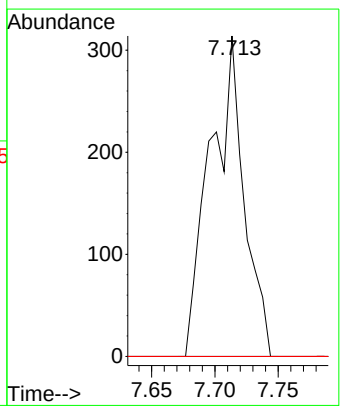


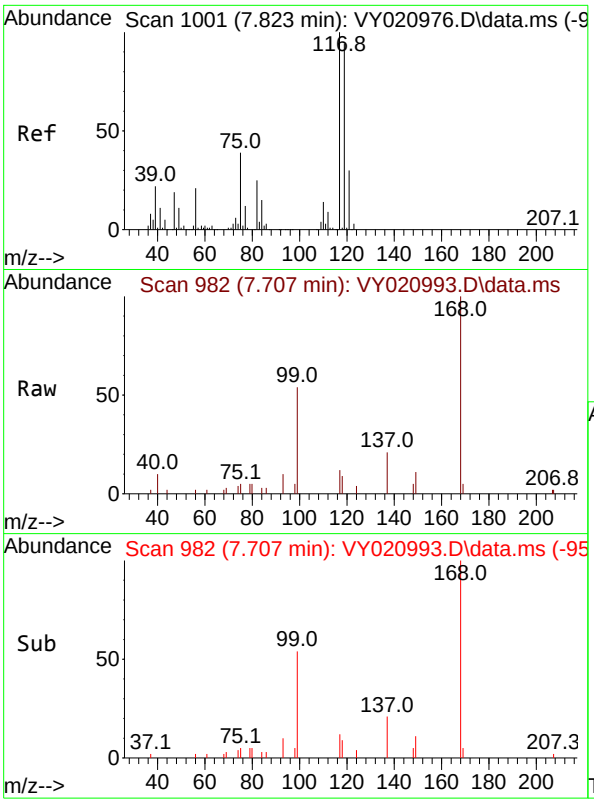




#36
1,1-Dichloropropene
Concen: 5.234 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion: 75 Resp: 586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 18.4 | 55.2# |
| 77 | 0.0 | 24.9 | 37.3# |



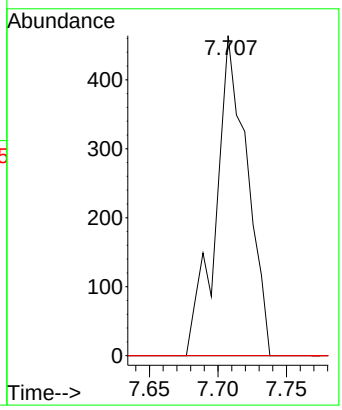


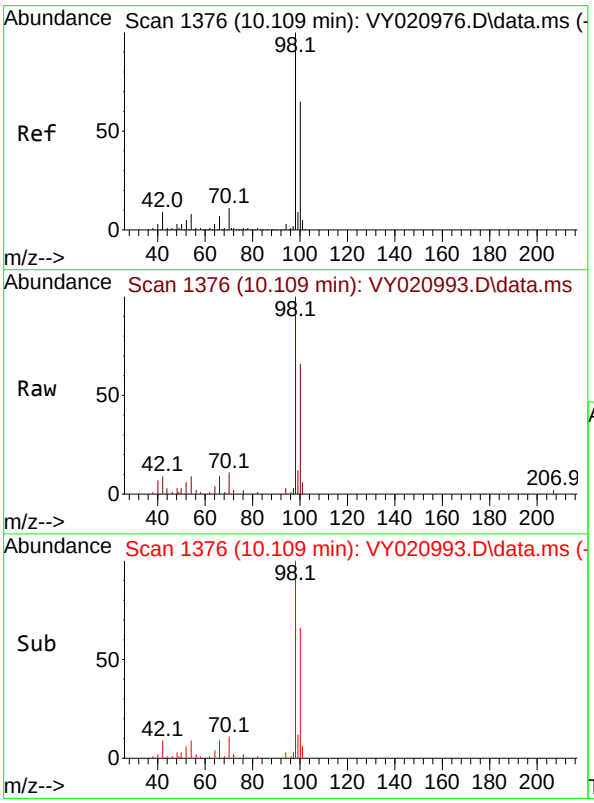

#38
Carbon Tetrachloride
Concen: 5.370 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.115 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:117 Resp: 744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 75.0 | 112.6# |
| 121 | 0.0 | 24.2 | 36.2# |

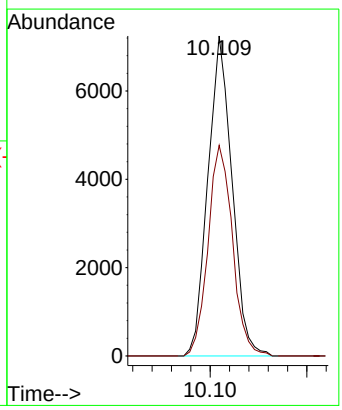


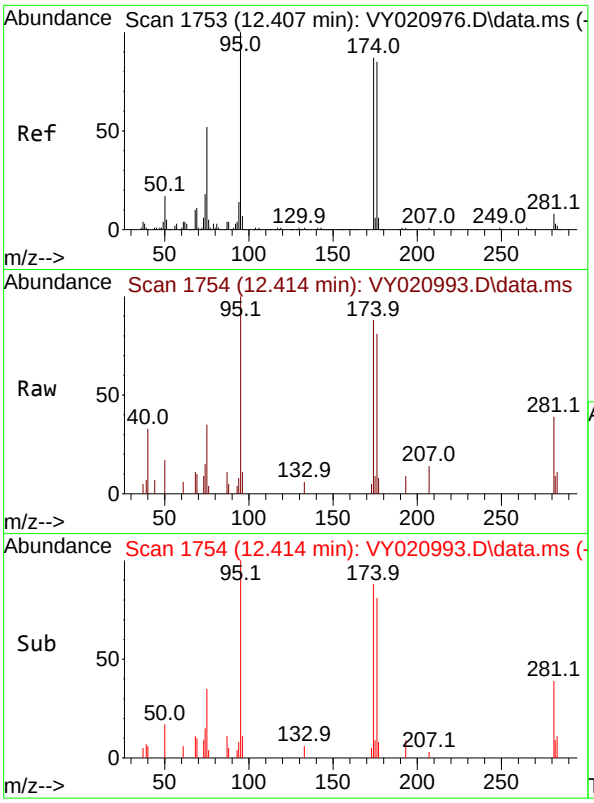




#50
Toluene-d8
Concen: 40.969 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion: 98 Resp: 12549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 52.6 | 79.0 |



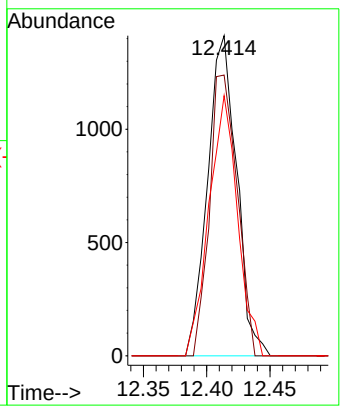


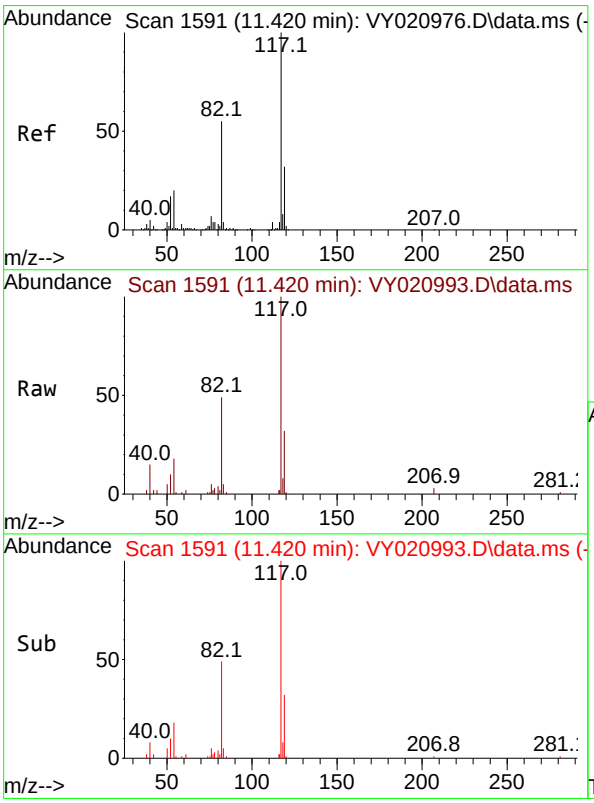

#62
4-Bromofluorobenzene
Concen: 21.959 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.007 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 95 Resp: 2257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.6 | 0.0 | 181.2 |
| 176 | 80.1 | 0.0 | 175.2 |

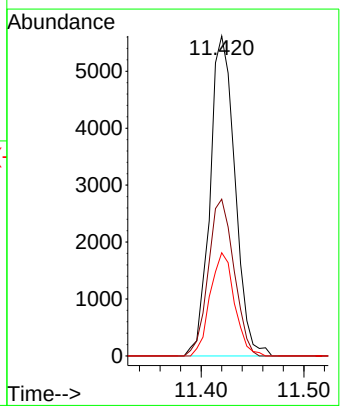


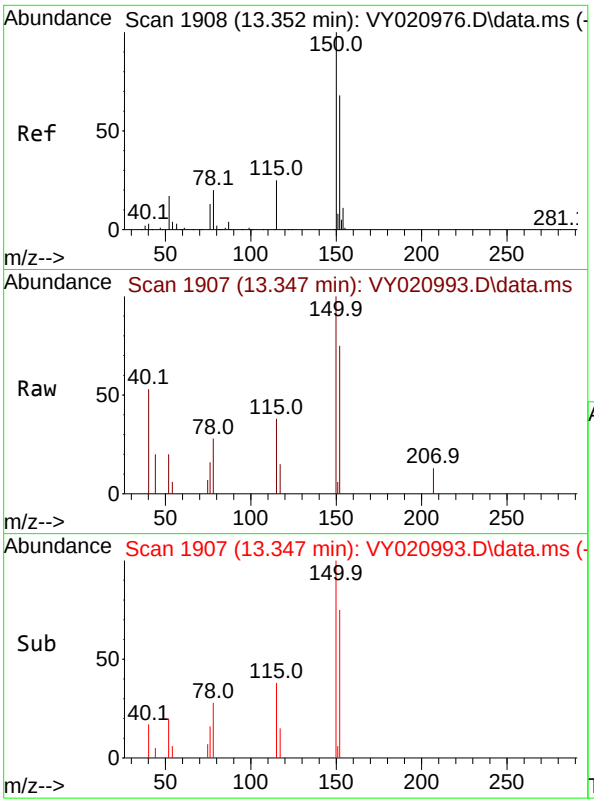




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion:117 Resp: 9470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.0 | 44.2 | 66.2 |
| 119 | 32.3 | 25.9 | 38.9 |



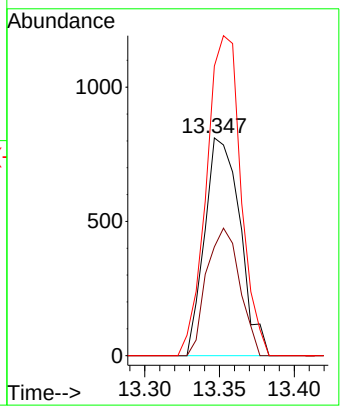


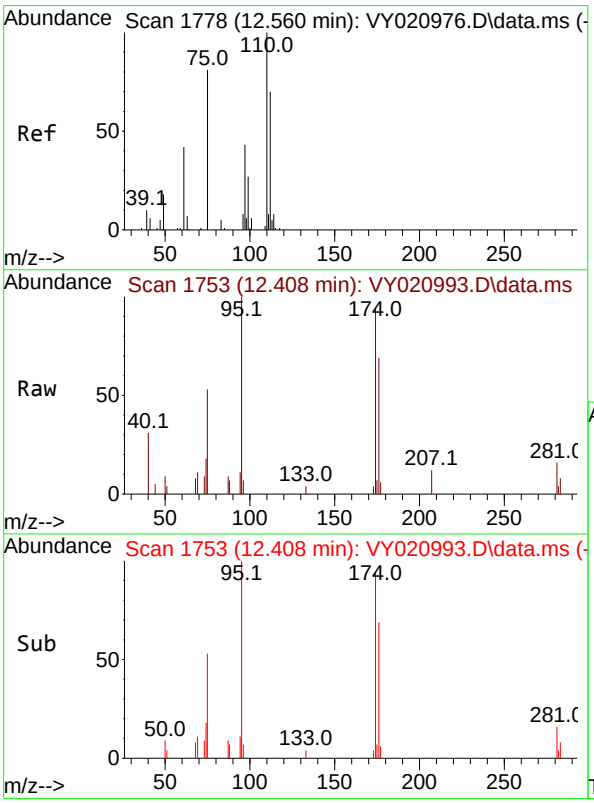

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:152 Resp: 1334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.6 | 28.4 | 85.2 |
| 150 | 143.3 | 0.0 | 342.8 |

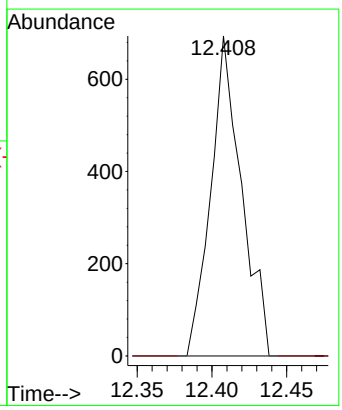


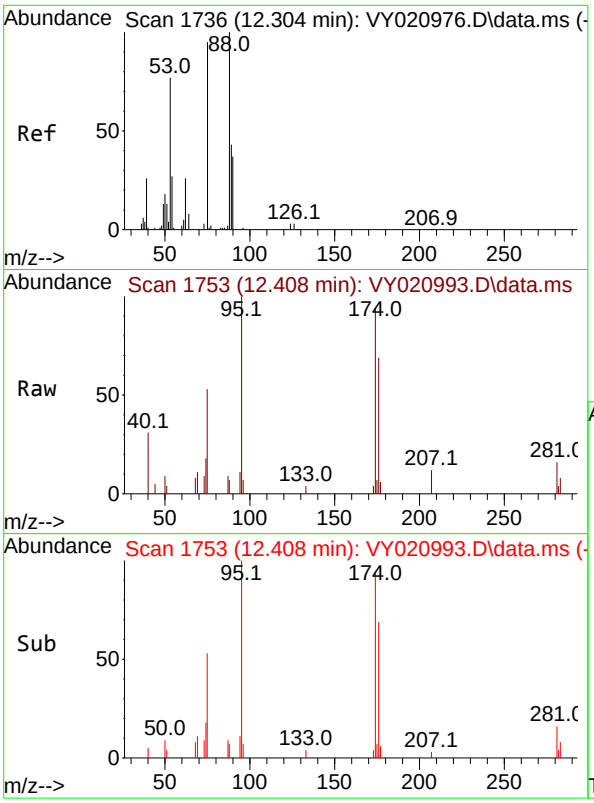




#76
1,2,3-Trichloropropane
Concen: 93.842 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion: 75 Resp: 991

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



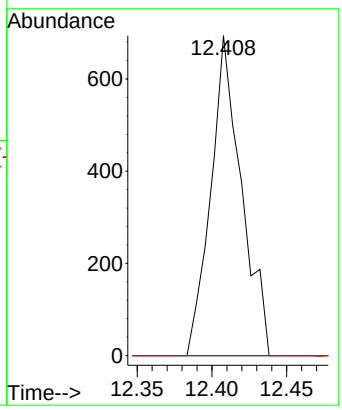


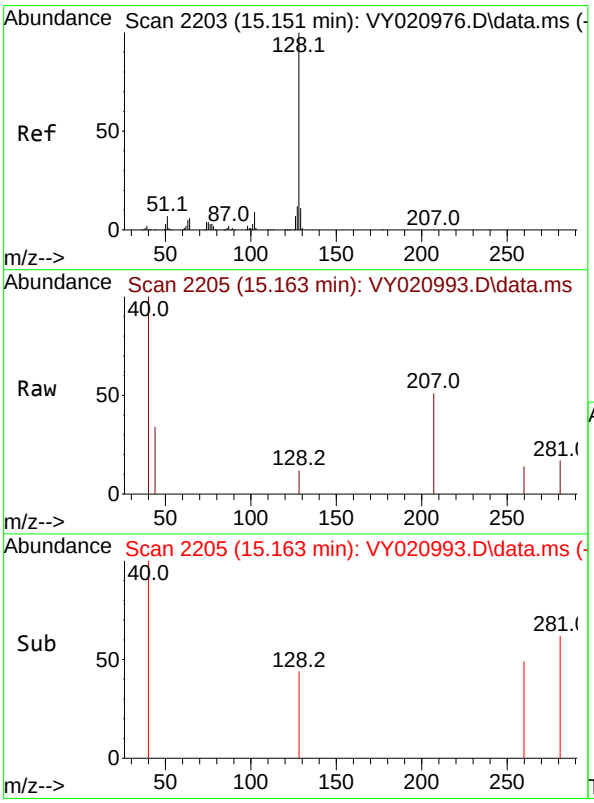

#81
trans-1,4-Dichloro-2-butene
Concen: 194.800 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 75 Resp: 991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 68.6 | 103.0# |
| 89 | 0.0 | 38.1 | 57.1# |




#95
Naphthalene
Concen: 4.426 ug/l
RT: 15.163 min Scan# 2205
Delta R.T. 0.012 min
Lab File: VY020993.D
Acq: 30 Jan 2025 18:05

Tgt Ion:128 Resp: 19

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.2 | 15.4# |
| 129 | 0.0 | 8.8 | 13.2# |