Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
Data File : VY022816.D
Acq On : 25 Jun 2025 11:48
Operator : SY/MD
Sample : Q2398-06
Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Quant Time: Jun 26 01:24:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.707 | 168 | 288161 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.610 | 114 | 532485 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.414 | 117 | 518667 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.340 | 152 | 238840 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.061 | 65 | 163900 | 50.961 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 101.920% | | | |
| 35) Dibromofluoromethane | 7.634 | 113 | 164320 | 50.742 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 101.480% | | | |
| 50) Toluene-d8 | 10.103 | 98 | 634923 | 49.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 98.820% | | | |
| 62) 4-Bromofluorobenzene | 12.402 | 95 | 231454 | 56.030 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 112.060% | | | |
| Target Compounds | | | | | | Qvalue |
| 11) Tert butyl alcohol | 4.854 | 59 | 10381 | 48.543 | ug/l | 96 |
| 16) Acetone | 3.860 | 43 | 8489471 | 13965.688 | ug/l | 95 |
| 20) Methylene Chloride | 4.616 | 84 | 13782 | 3.590 | ug/l # | 81 |

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

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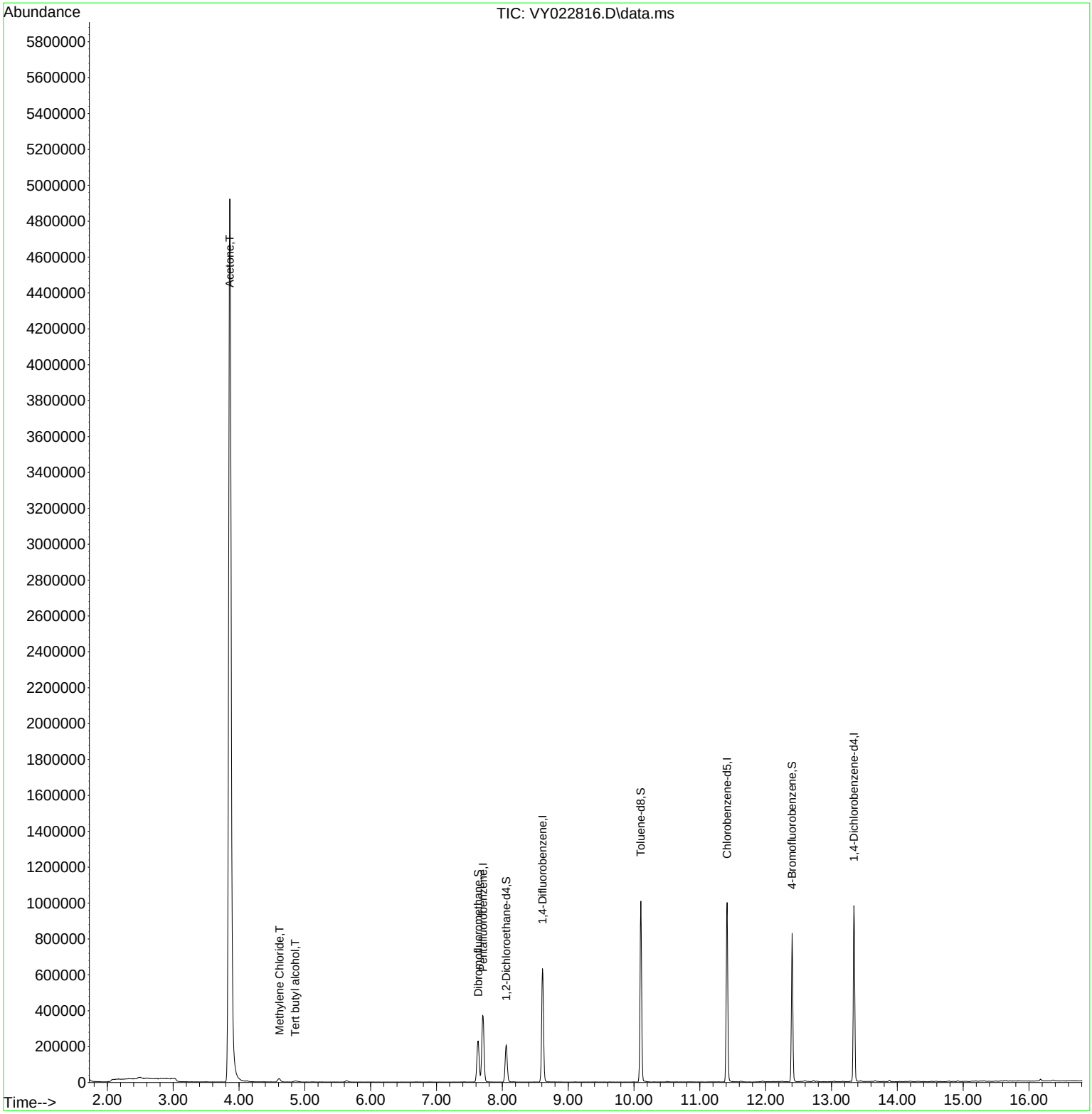
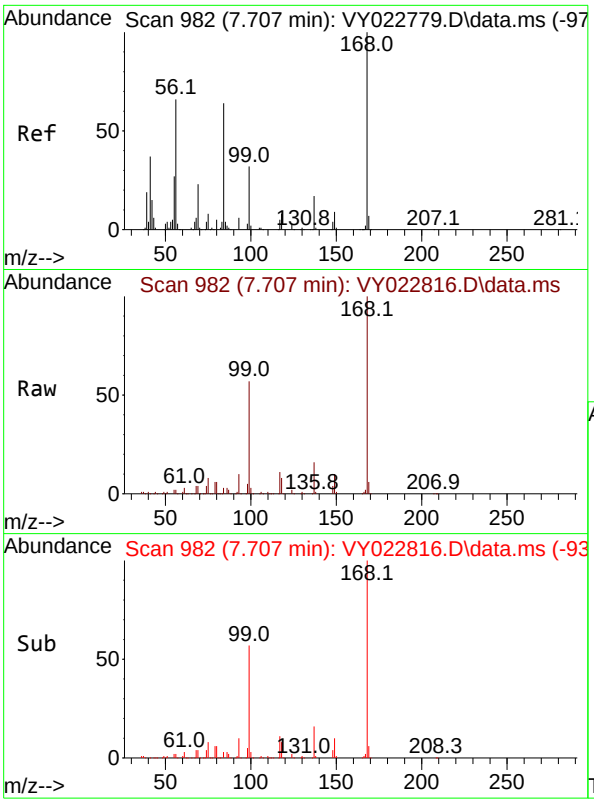


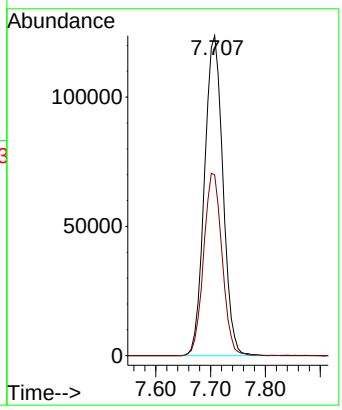


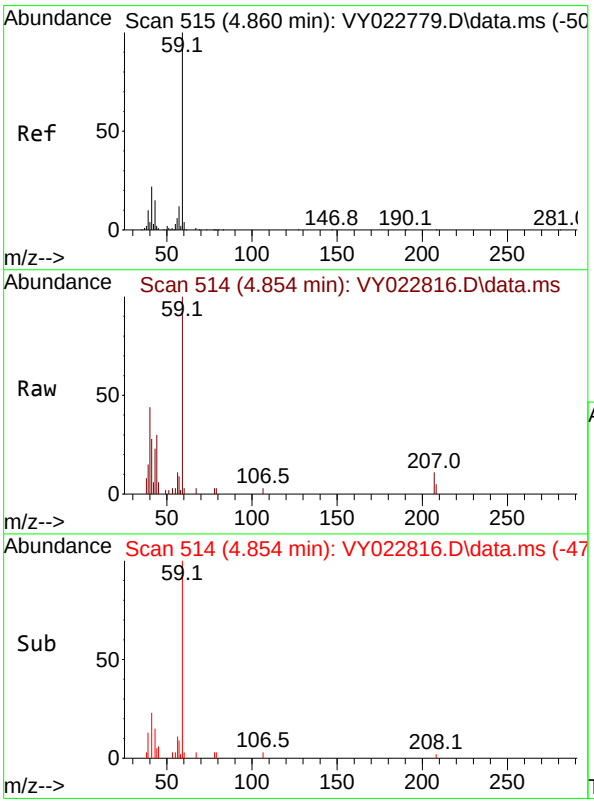

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Tgt Ion:168 Resp: 288161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.5 | 44.3 | 66.5 |

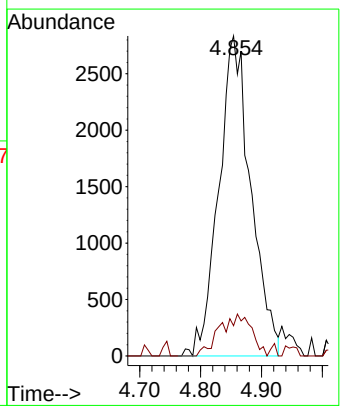


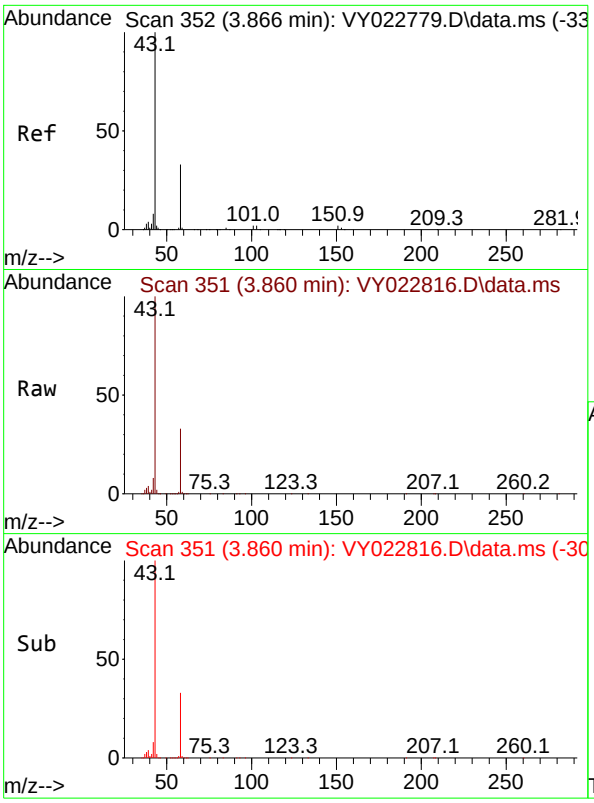




#11
Tert butyl alcohol
Concen: 48.543 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.030 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 59 Resp: 10381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.6 | 8.0 | 12.0 |



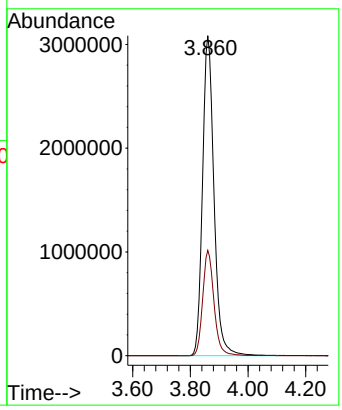


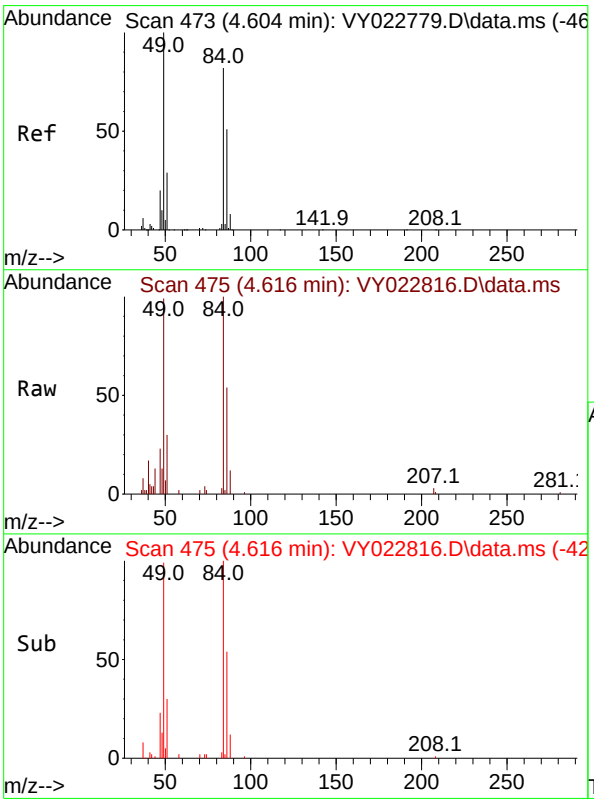

#16
Acetone
Concen: 13965.688 ug/l
RT: 3.860 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Tgt Ion: 43 Resp: 8489471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.9 | 24.0 | 36.0 |

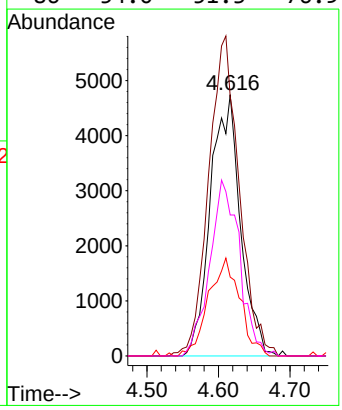


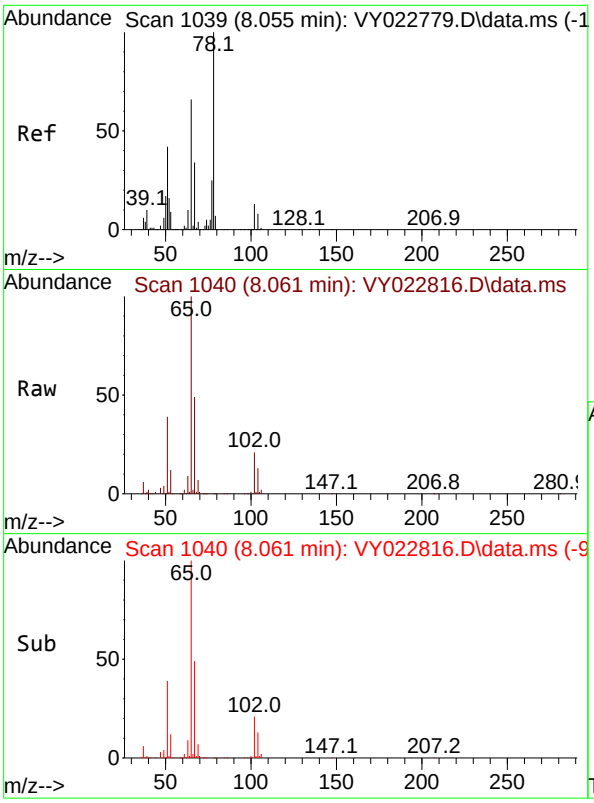




#20
Methylene Chloride
Concen: 3.590 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 84 Resp: 13782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 99.3 | 101.9 | 152.9# |
| 51 | 30.2 | 29.8 | 44.8 |
| 86 | 54.0 | 51.3 | 76.9 |



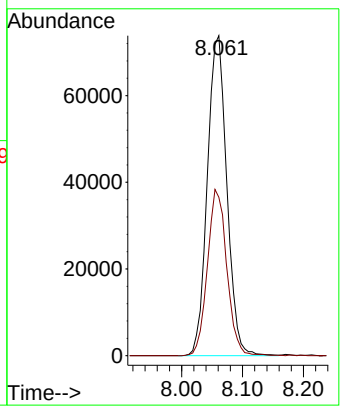


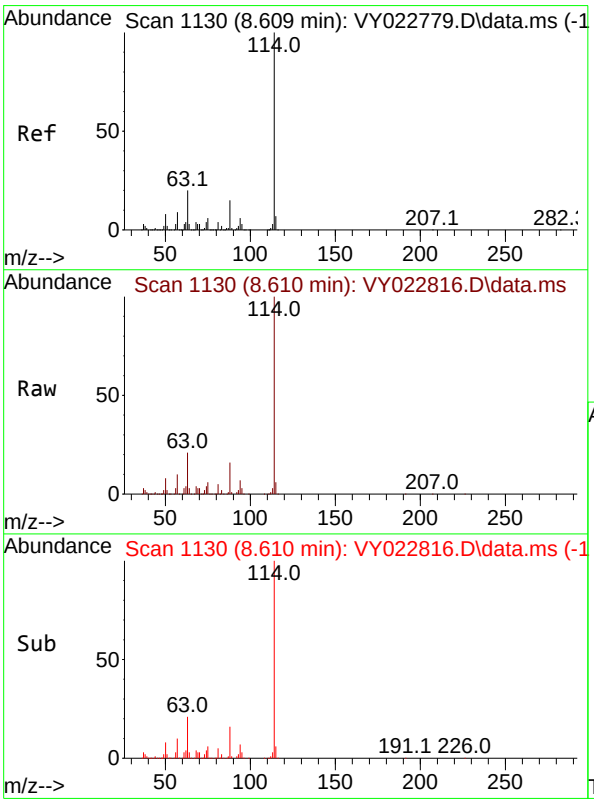

#33
1,2-Dichloroethane-d4
Concen: 50.961 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Tgt Ion: 65 Resp: 163900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 103.4 |

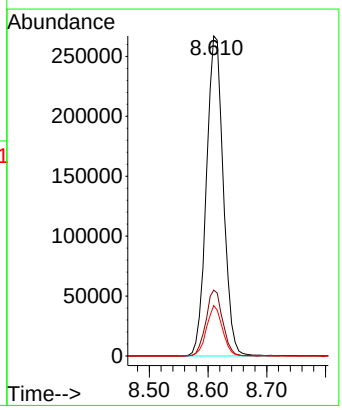


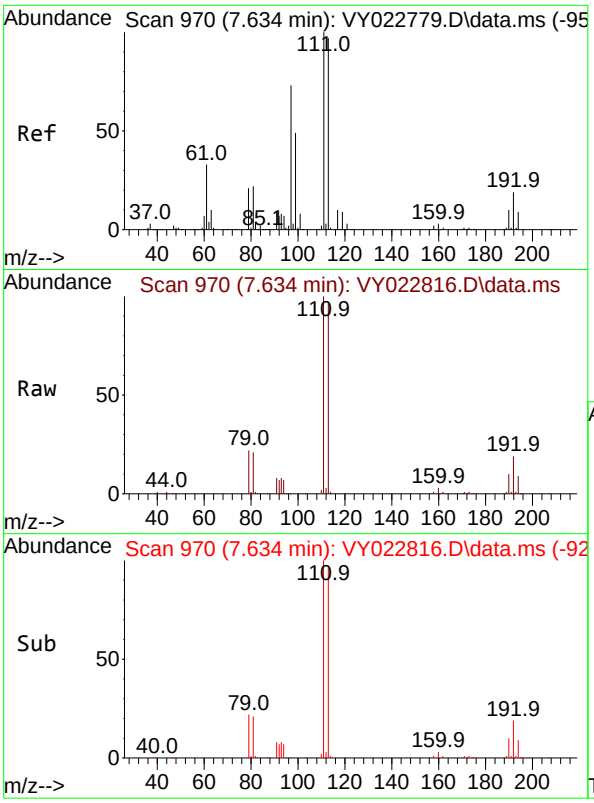




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion:114 Resp: 532485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 40.8 |
| 88 | 15.7 | 0.0 | 27.8 |



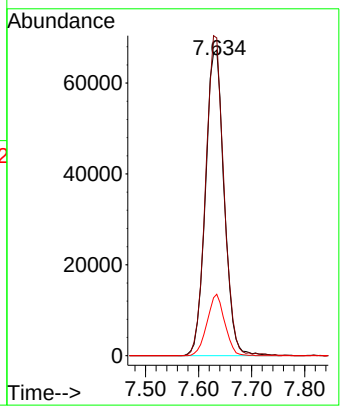


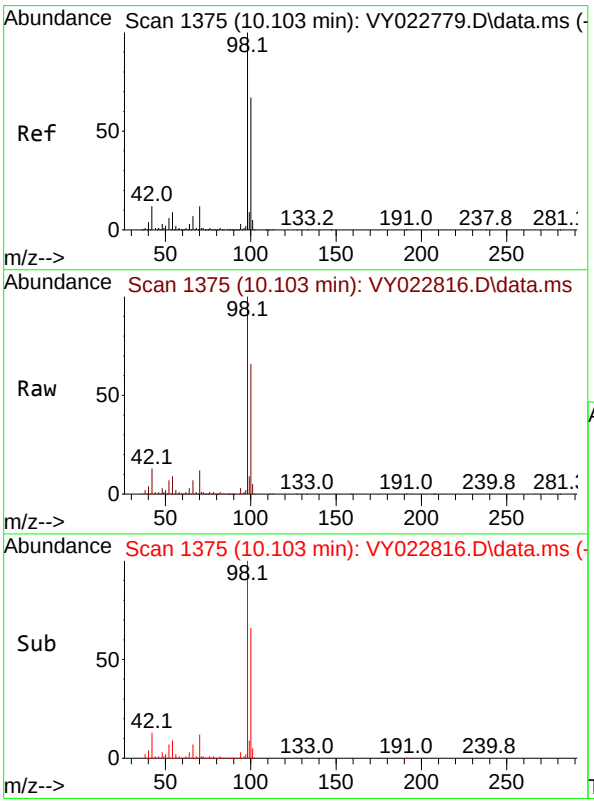

#35
Dibromofluoromethane
Concen: 50.742 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Tgt Ion:113 Resp: 164320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 81.1 | 121.7 |
| 192 | 19.1 | 14.2 | 21.2 |

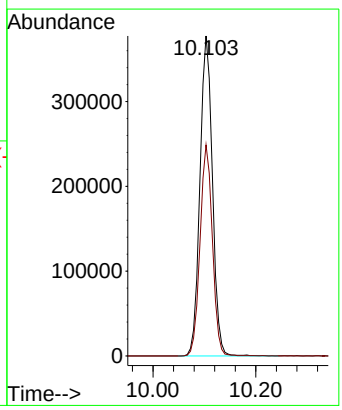


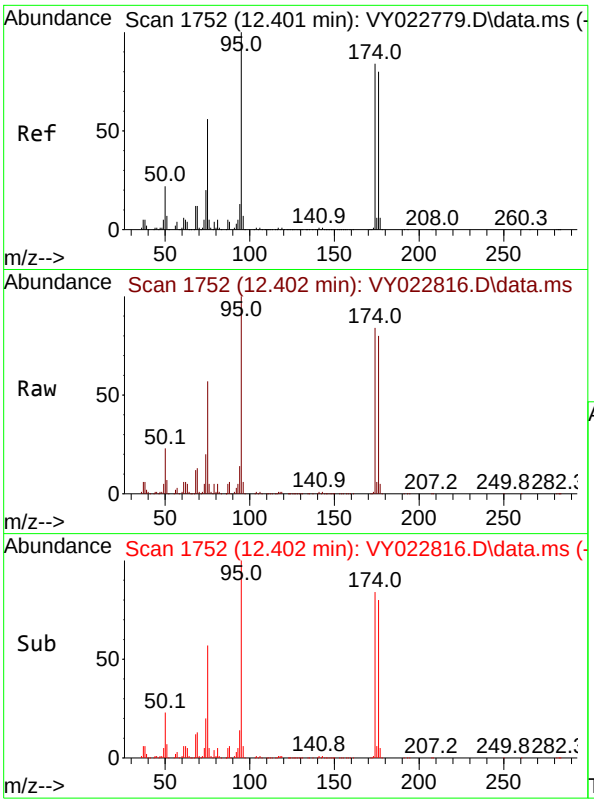




#50
Toluene-d8
Concen: 49.410 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 98 Resp: 634923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 51.4 | 77.0 |



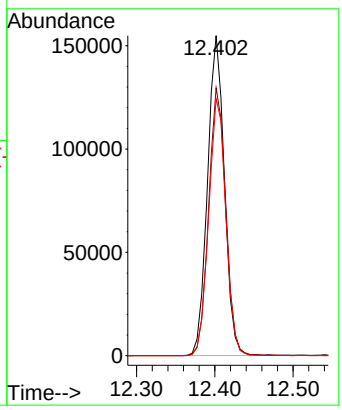


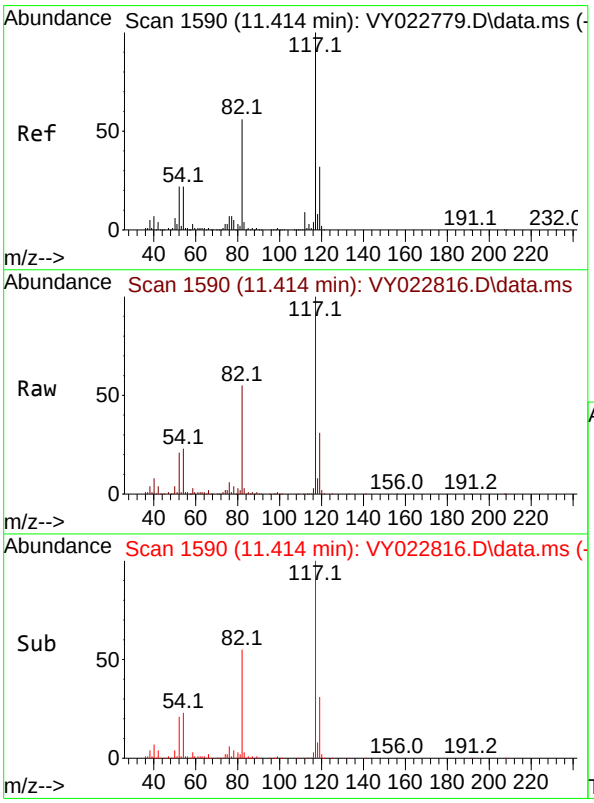

#62
4-Bromofluorobenzene
Concen: 56.030 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Tgt Ion: 95 Resp: 231454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.1 | 0.0 | 170.0 |
| 176 | 81.7 | 0.0 | 166.2 |

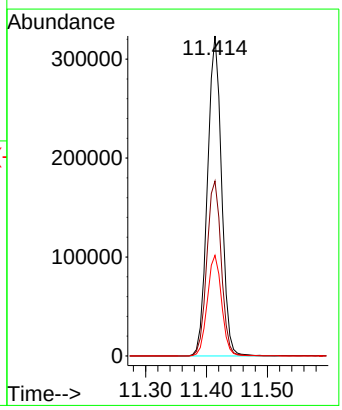


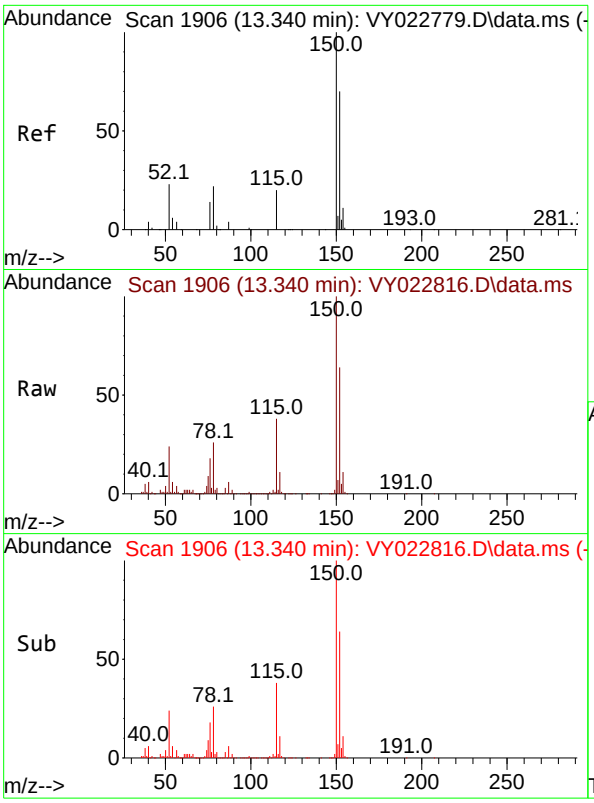




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion:117 Resp: 518667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 44.6 | 66.8 |
| 119 | 31.4 | 25.4 | 38.0 |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ARS20-0036

Tgt Ion:152 Resp: 238840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.8 | 28.9 | 86.7 |
| 150 | 155.8 | 0.0 | 349.6 |