Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
Data File : VY010688.D
Acq On : 27 Sep 2022 11:28
Operator : KP/MD
Sample : VY0927SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 28 01:24:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.789 | 168 | 220829 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.685 | 114 | 369005 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.490 | 117 | 328339 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152 | 147248 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.136 | 65 | 113275 | 53.630 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 107.260% | | | |
| 35) Dibromofluoromethane | 7.716 | 113 | 105961 | 44.994 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 89.980% | | | |
| 50) Toluene-d8 | 10.179 | 98 | 393512 | 45.512 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 91.020% | | | |
| 62) 4-Bromofluorobenzene | 12.483 | 95 | 125712 | 38.286 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 76.580% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.894 | 85 | 153 | Below Cal | # | 43 |
| 3) Chloromethane | 2.113 | 50 | 685 | Below Cal | # | 71 |
| 4) Vinyl Chloride | 2.278 | 62 | 24 | Below Cal | # | 43 |
| 5) Bromomethane | 2.662 | 94 | 358 | Below Cal | # | 72 |
| 11) Tert butyl alcohol | 4.924 | 59 | 2927 | 4.524 ug/l | # | 77 |
| 16) Acetone | 3.948 | 43 | 1278 | 2.967 ug/l | # | 79 |
| 17) Carbon Disulfide | 4.198 | 76 | 345 | Below Cal | # | 75 |
| 18) Methyl Acetate | 4.729 | 43 | 44 | Below Cal | # | 56 |
| 20) Methylene Chloride | 4.710 | 84 | 16942 | Below Cal | | 87 |
| 25) 2-Butanone | 6.984 | 43 | 1753 | 2.602 ug/l | | 93 |
| 31) Cyclohexane | 7.783 | 56 | 4982 | Below Cal | # | 1 |
| 36) 1,1-Dichloropropene | 7.783 | 75 | 17519 | 6.677 ug/l | # | 50 |
| 37) Ethyl Acetate | 6.984 | 43 | 1753 | 1.157 ug/l | # | 10 |
| 38) Carbon Tetrachloride | 7.783 | 117 | 21690 | 7.189 ug/l | # | 15 |
| 76) 1,2,3-Trichloropropane | 12.483 | 75 | 67708 | 48.178 ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75 | 67708 | 107.120 ug/l | # | 7 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
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Operator : KP/MD
Sample : VY0927SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 28 01:24:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
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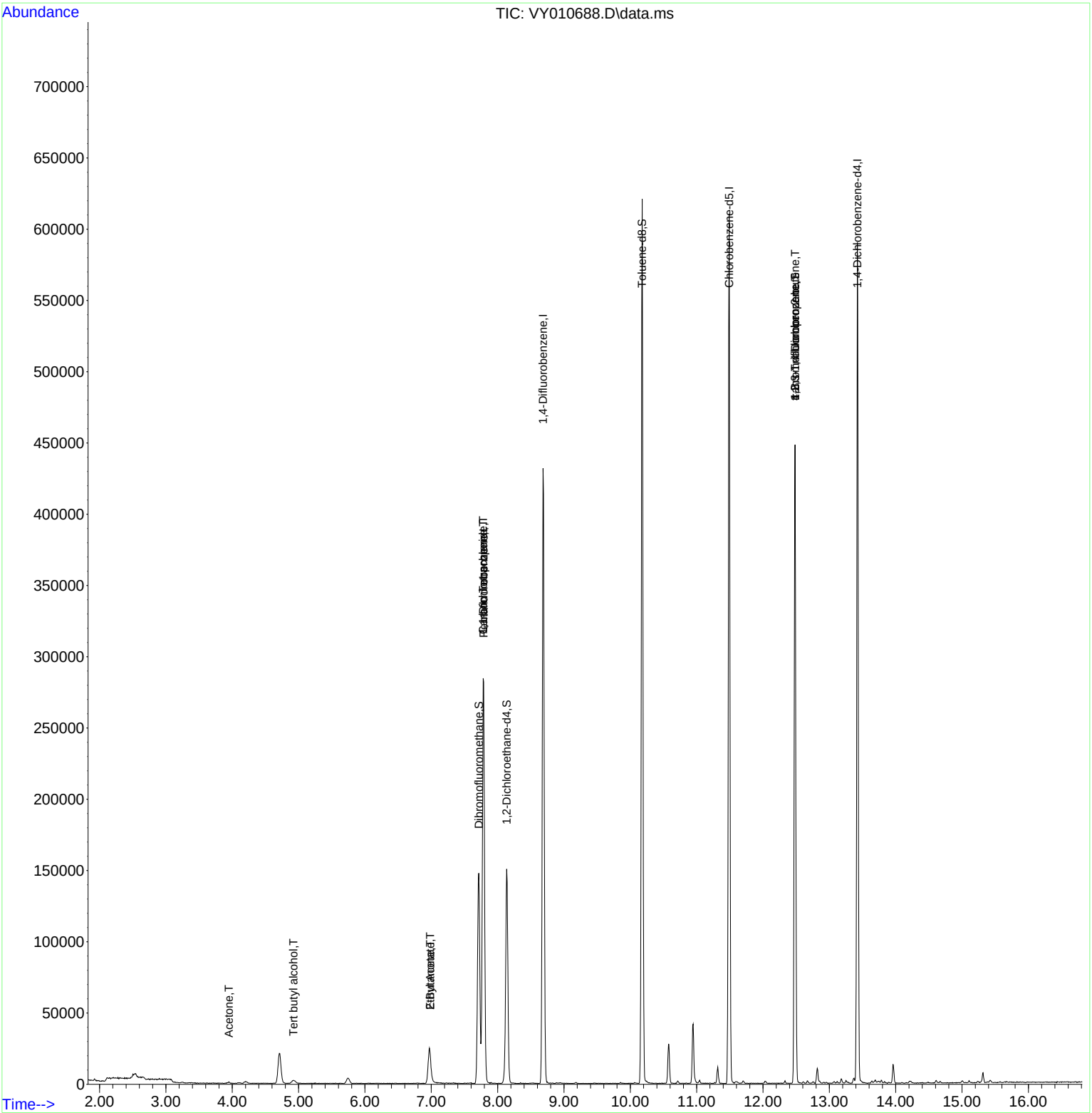
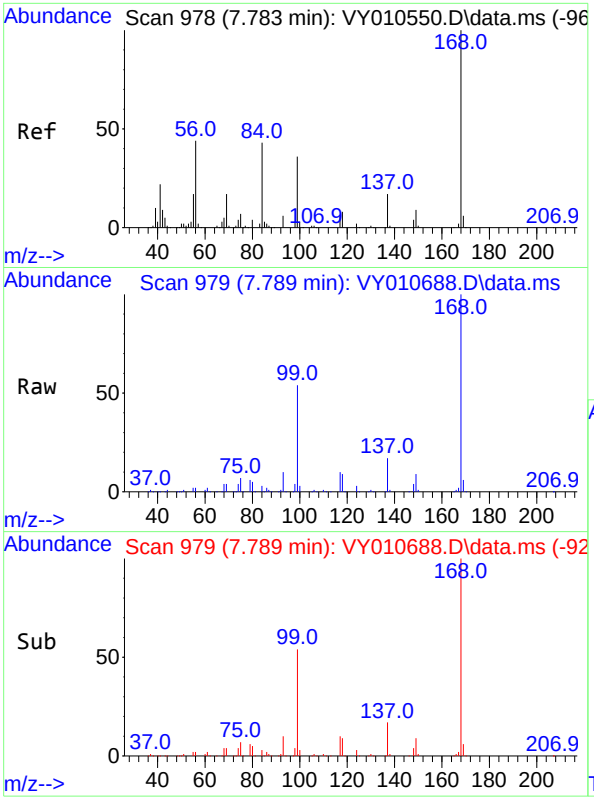


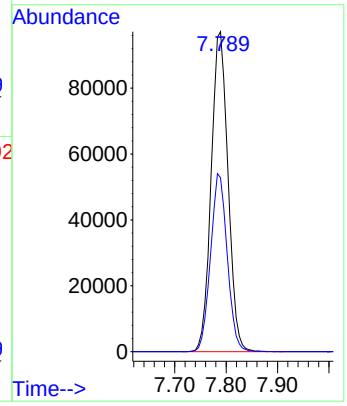


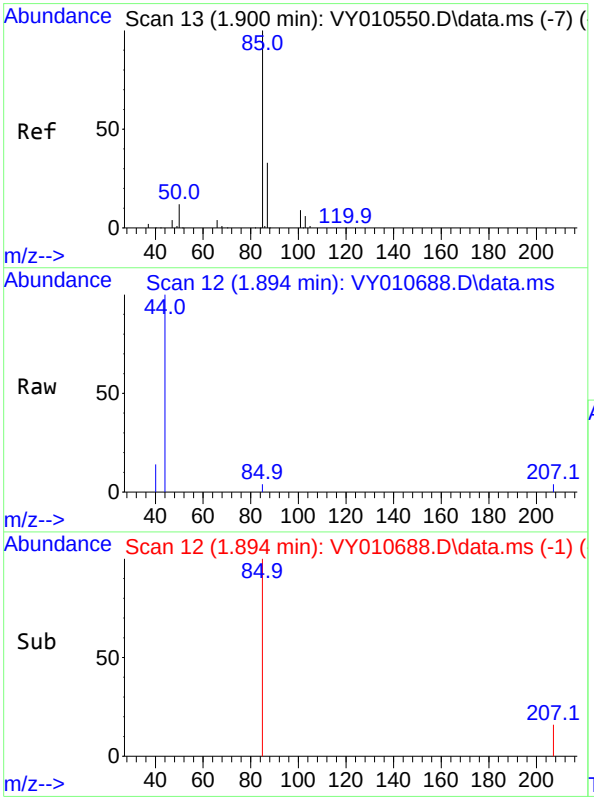

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion:168 Resp: 220829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.4 | 46.9 | 70.3 |

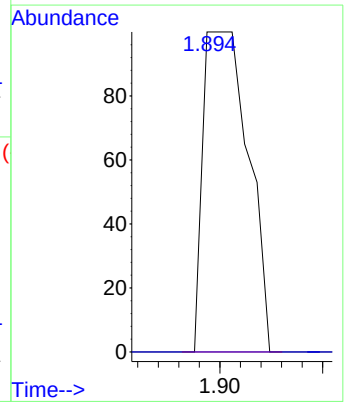


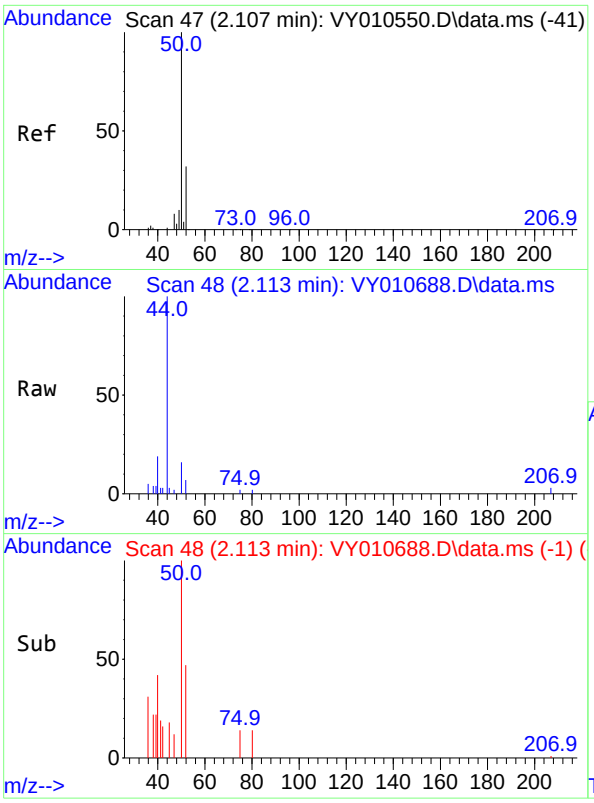




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 85 Resp: 153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 16.1 | 48.2# |



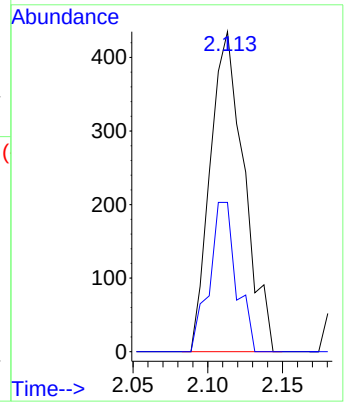


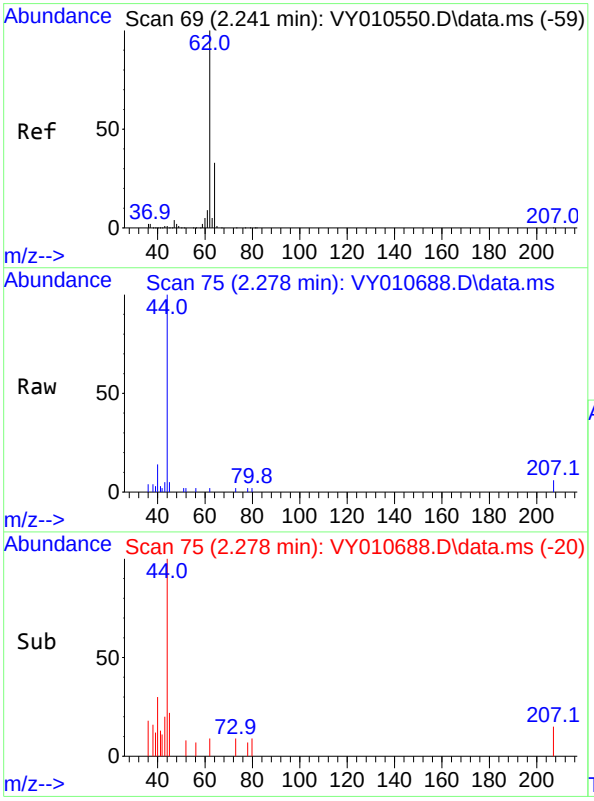

#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 4
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 50 Resp: 685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 46.7 | 24.6 | 37.0# |

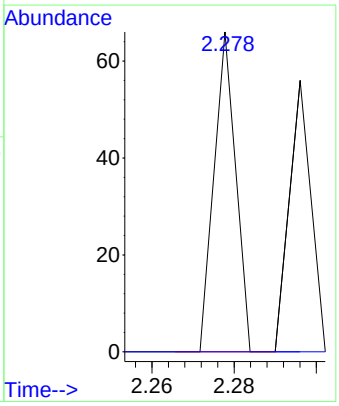


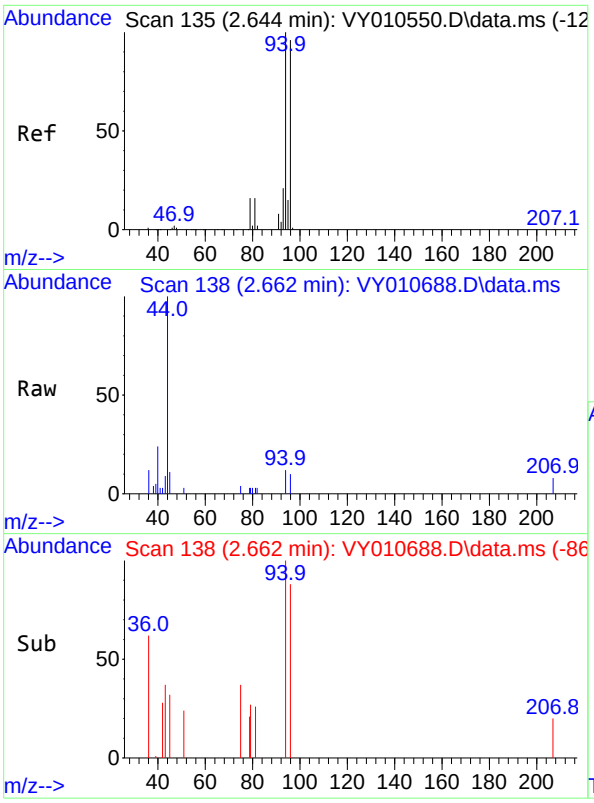




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.037 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 62 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 0.0 | 25.0 | 37.6# |



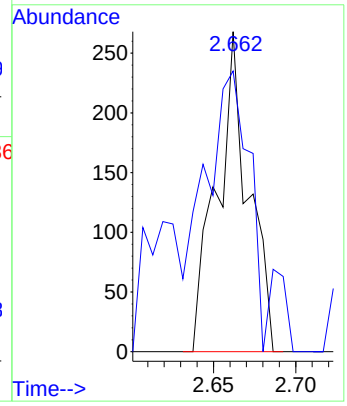


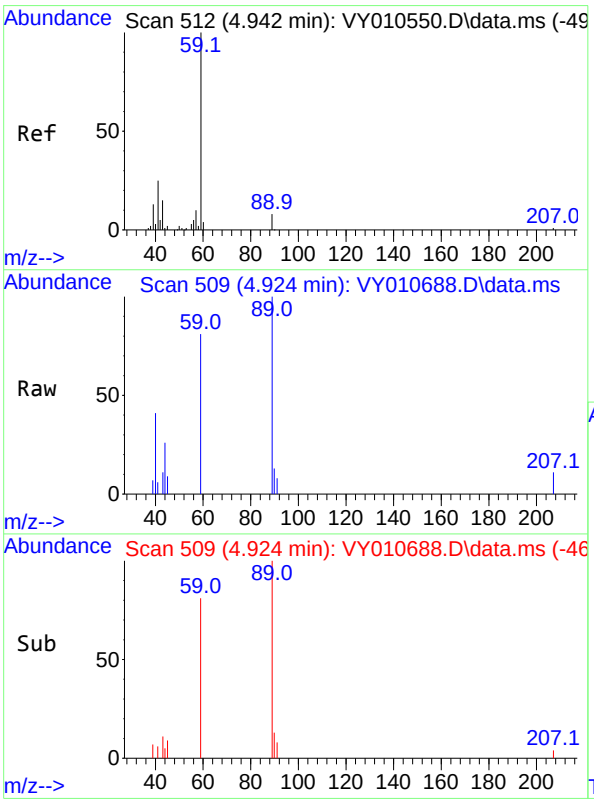

#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 94 Resp: 358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 64.9 | 73.5 | 110.3# |

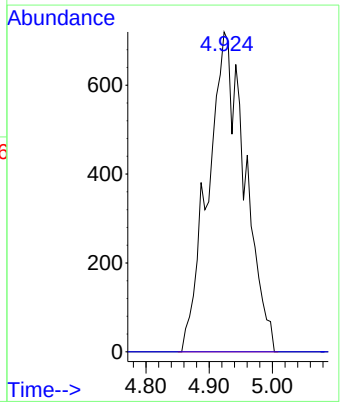


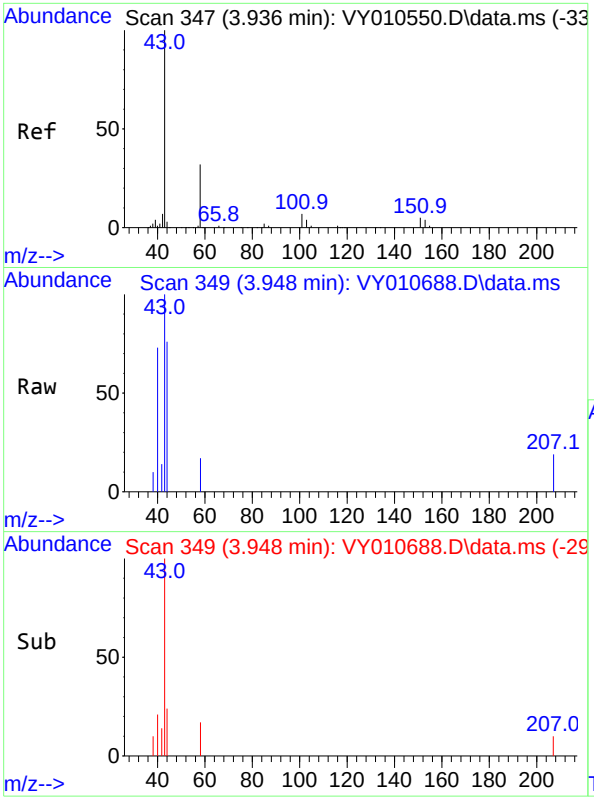




#11
Tert butyl alcohol
Concen: 4.524 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 59 Resp: 2927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 6.4 | 9.6# |



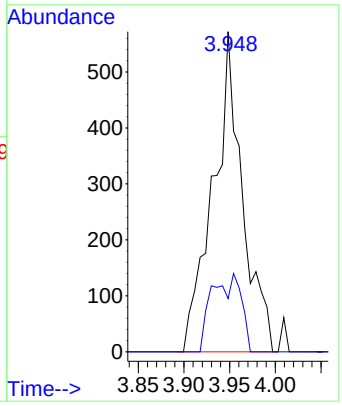


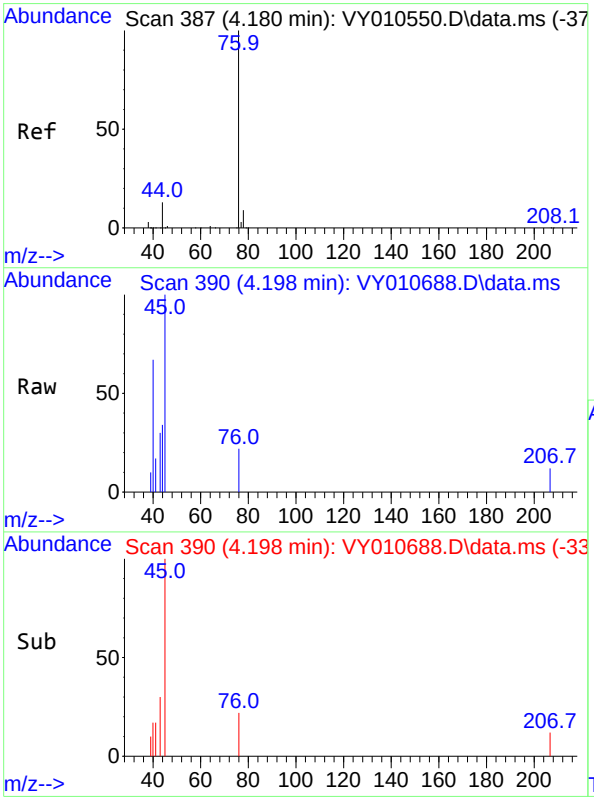

#16
Acetone
Concen: 2.967 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 43 Resp: 1278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 16.6 | 22.0 | 33.0# |

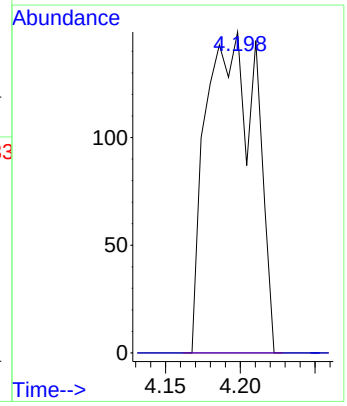


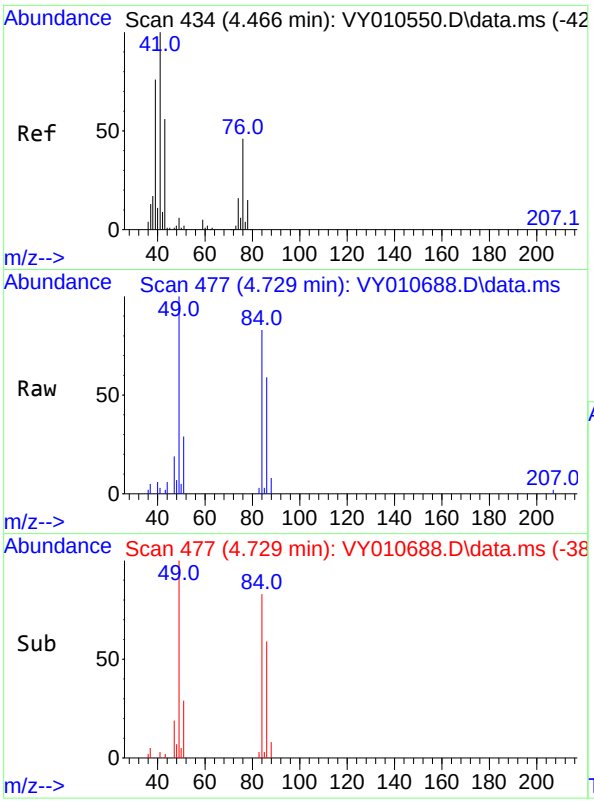




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 76 Resp: 345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.4 | 11.0# |



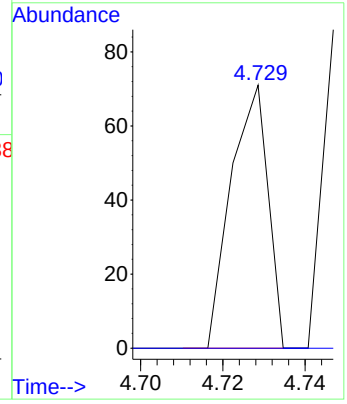


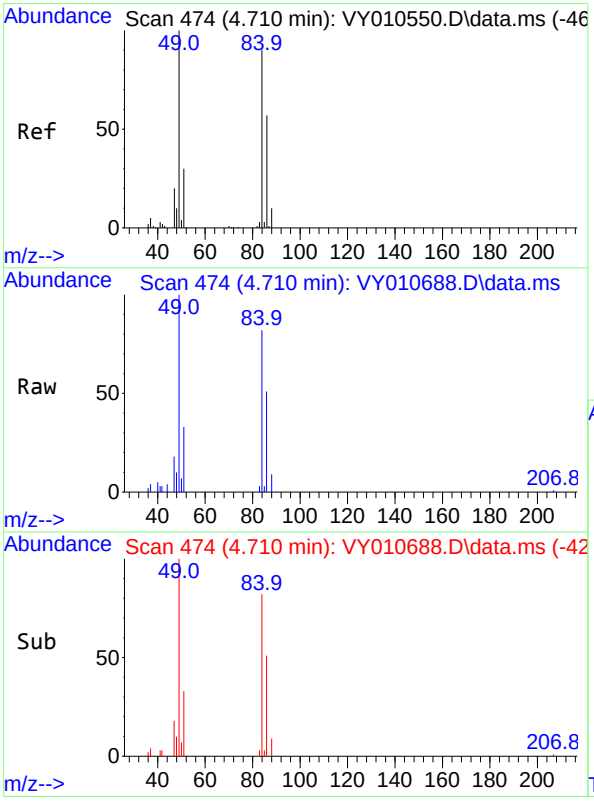

#18
Methyl Acetate
Concen: Below Cal
RT: 4.729 min Scan# 4
Delta R.T. 0.263 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 43 Resp: 44

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 16.6 | 24.8# |

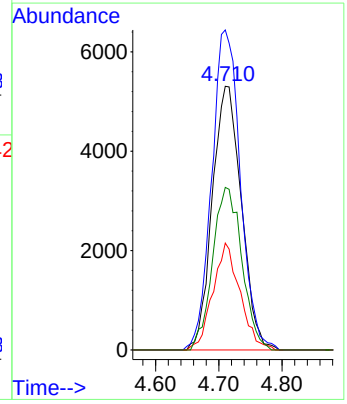


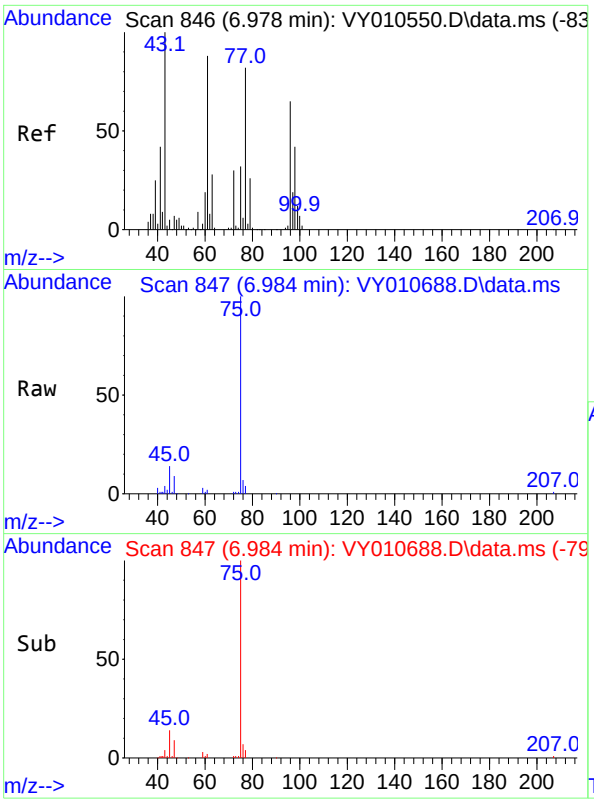




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 84 Resp: 16942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.3 | 114.4 | 171.6 |
| 51 | 40.5 | 35.3 | 52.9 |
| 86 | 61.6 | 53.7 | 80.5 |



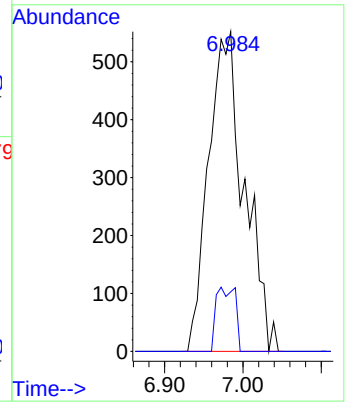


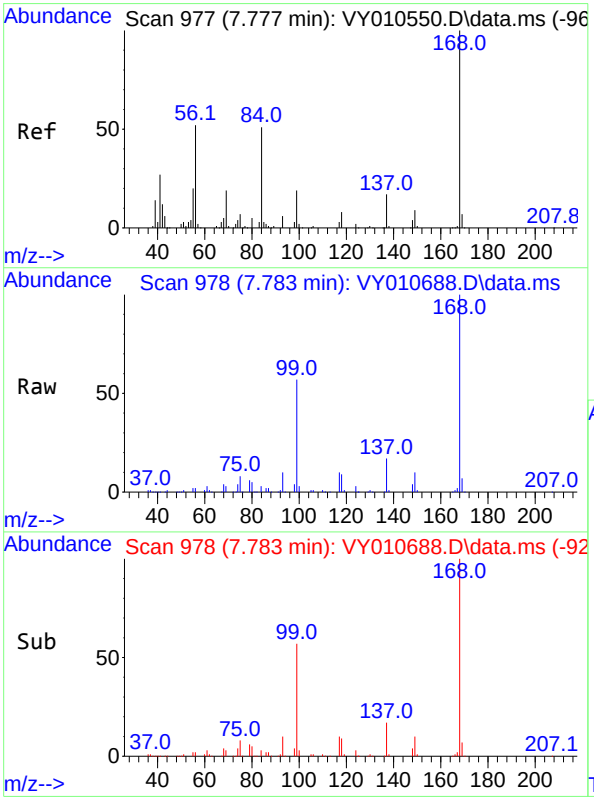

#25
2-Butanone
Concen: 2.602 ug/l
RT: 6.984 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 43 Resp: 1753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 18.7 | 17.7 | 26.5 |

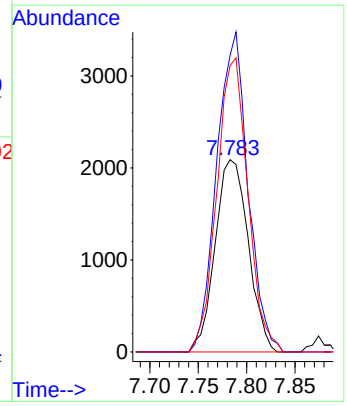


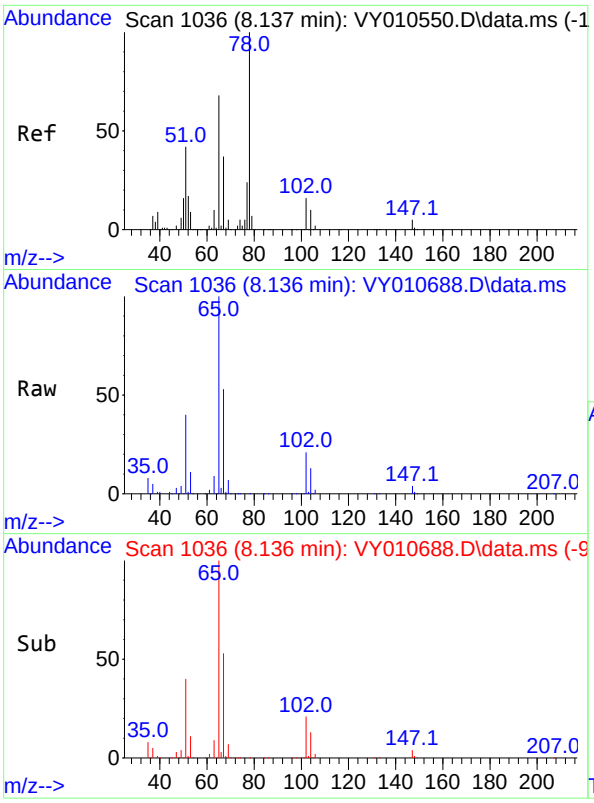




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 56 Resp: 4982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 154.2 | 26.7 | 40.1# |
| 84 | 148.9 | 67.2 | 100.8# |



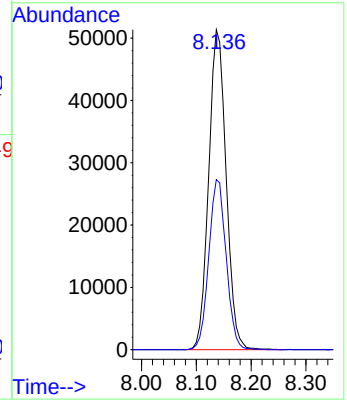


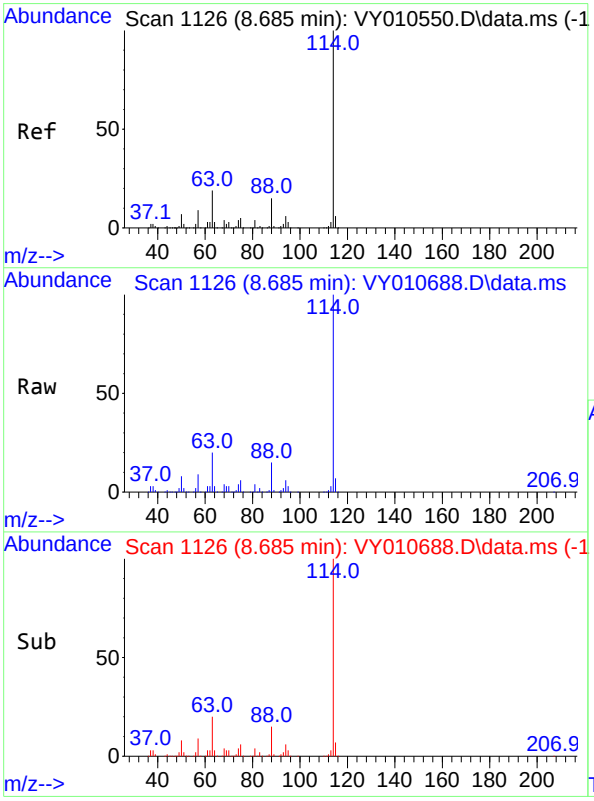

#33
1,2-Dichloroethane-d4
Concen: 53.630 ug/l
RT: 8.136 min Scan# 1
Delta R.T. -0.001 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 65 Resp: 113275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.0 | 0.0 | 99.4 |

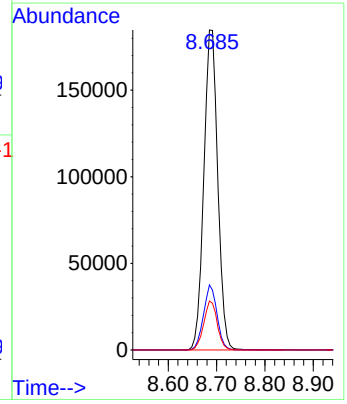


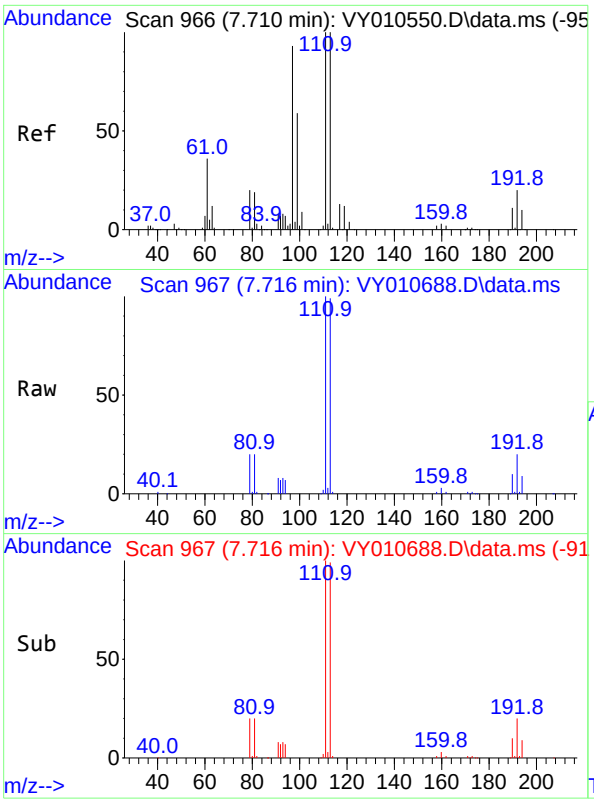




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion:114 Resp: 369005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 43.2 |
| 88 | 15.3 | 0.0 | 31.8 |



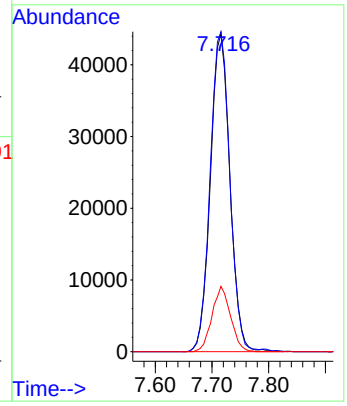


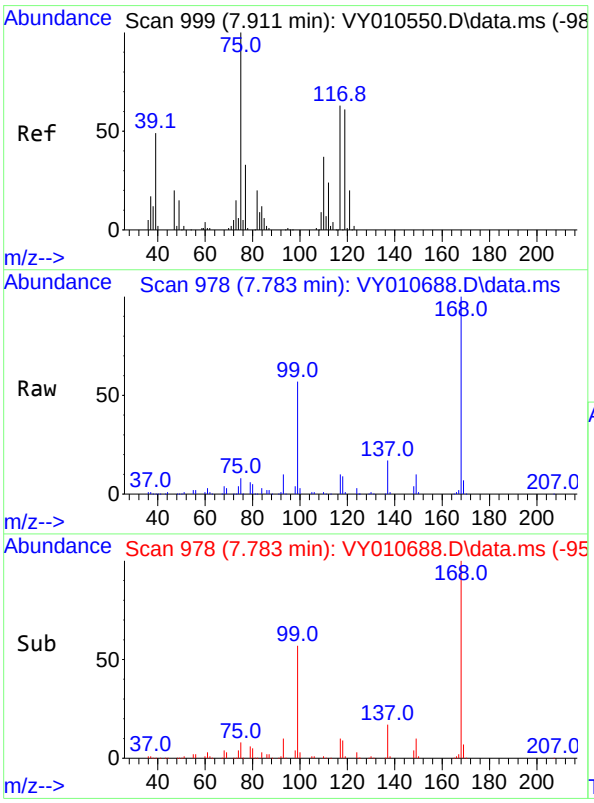

#35
Dibromofluoromethane
Concen: 44.994 ug/l
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion:113 Resp: 105961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 82.6 | 124.0 |
| 192 | 19.4 | 17.6 | 26.4 |

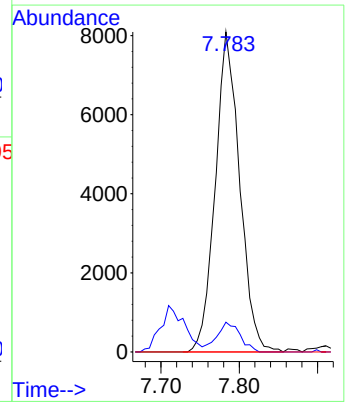


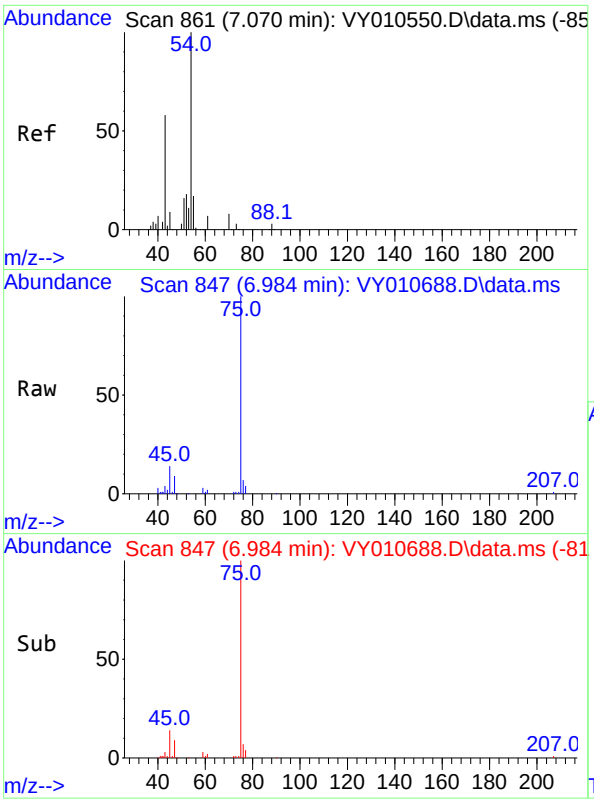




#36
1,1-Dichloropropene
Concen: 6.677 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 75 Resp: 17519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.9 | 17.1 | 51.2# |
| 77 | 0.0 | 24.4 | 36.6# |



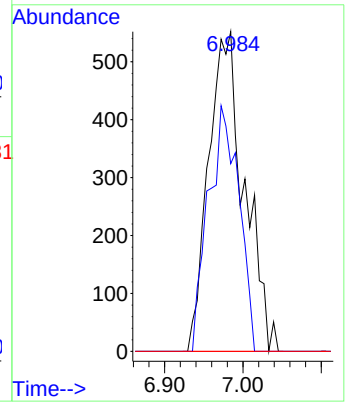


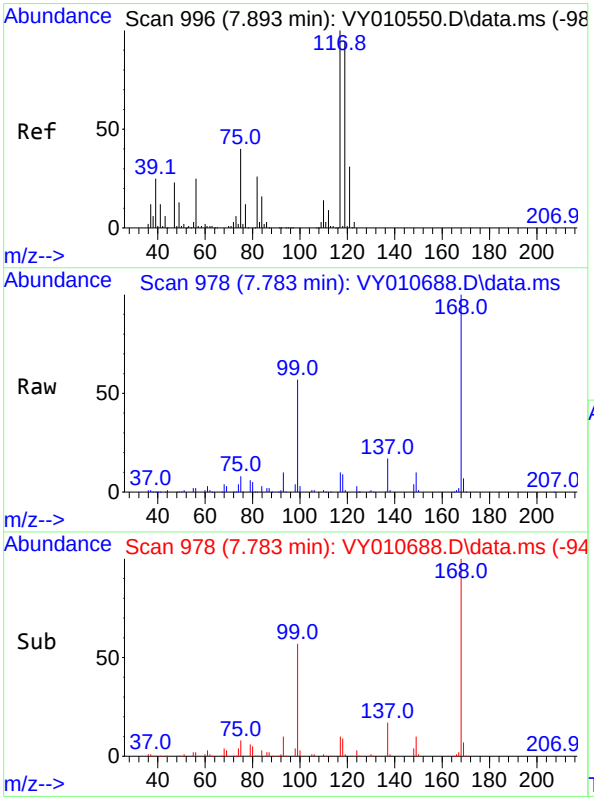

#37
Ethyl Acetate
Concen: 1.157 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 43 Resp: 1753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 65.6 | 9.7 | 14.5# |
| 70 | 0.0 | 7.1 | 10.7# |

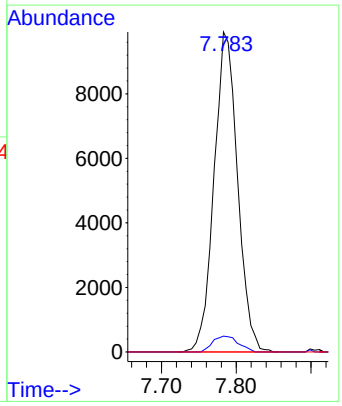


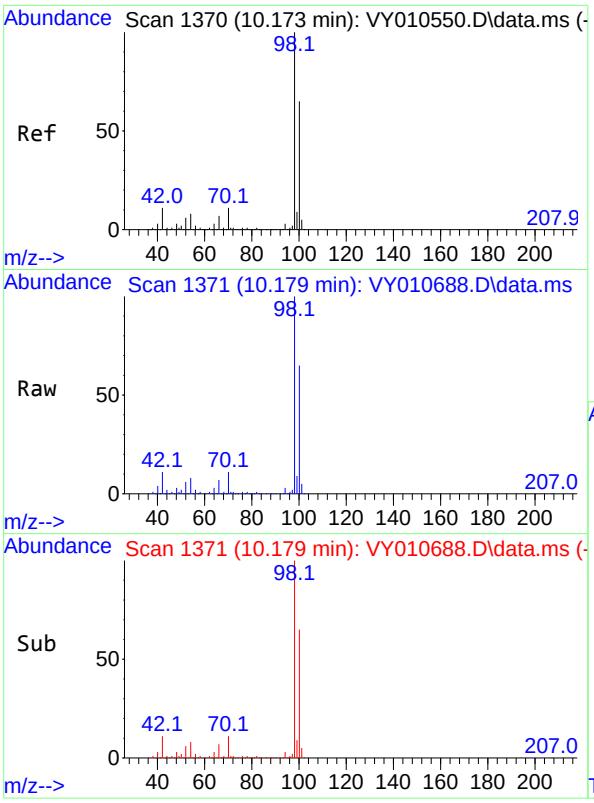




#38
Carbon Tetrachloride
Concen: 7.189 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion:117 Resp: 21690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.0 | 77.9 | 116.9# |
| 121 | 0.0 | 24.8 | 37.2# |



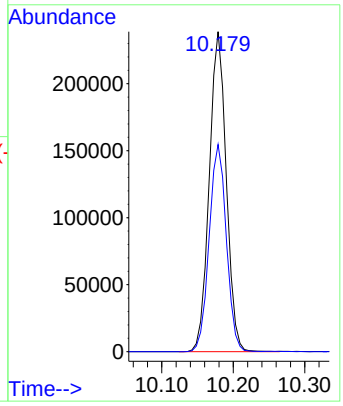


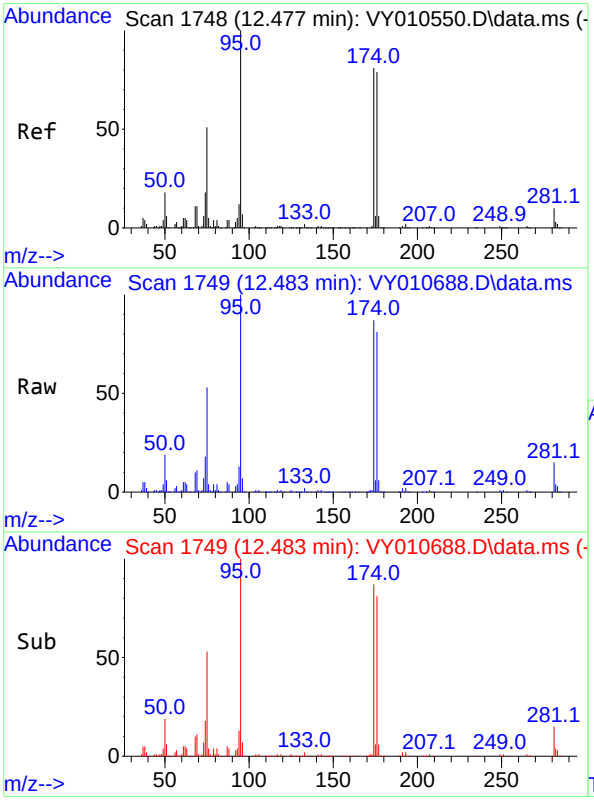

#50
Toluene-d8
Concen: 45.512 ug/l
RT: 10.179 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 98 Resp: 393512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 50.2 | 75.2 |

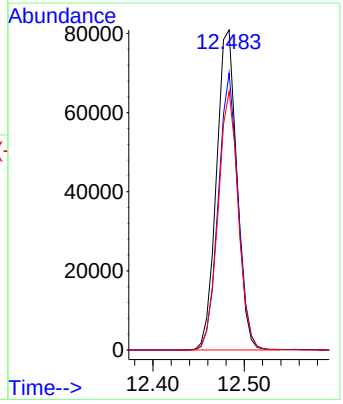


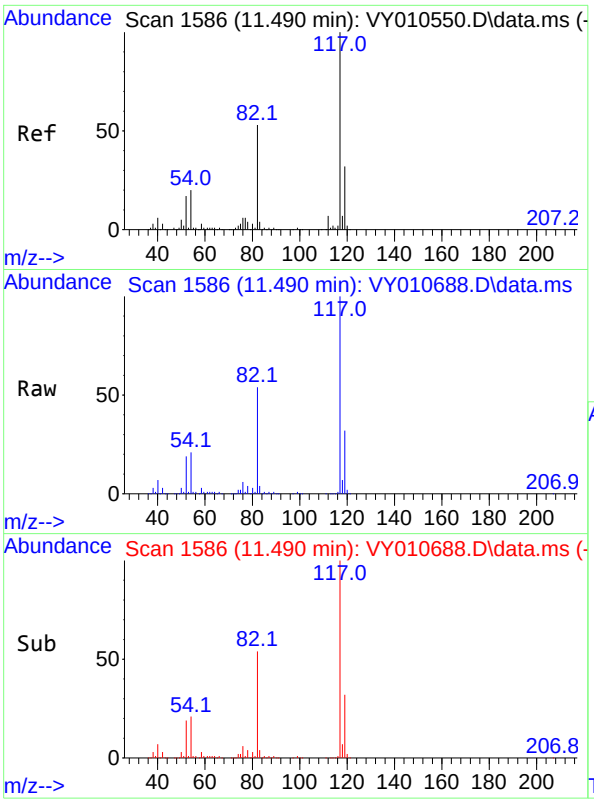




#62
4-Bromofluorobenzene
Concen: 38.286 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 95 Resp: 125712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.1 | 0.0 | 177.0 |
| 176 | 79.7 | 0.0 | 175.8 |



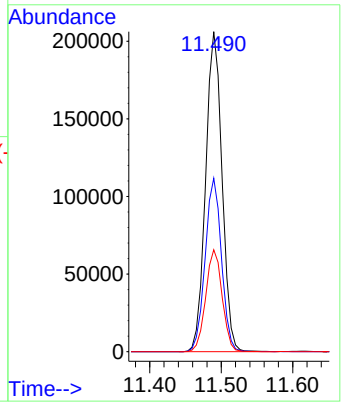


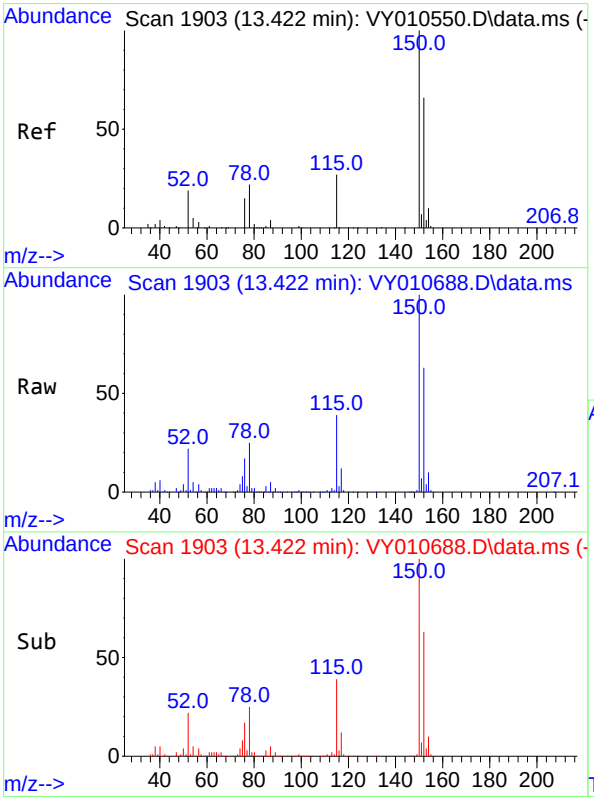

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion:117 Resp: 328339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.2 | 43.0 | 64.4 |
| 119 | 31.9 | 25.4 | 38.0 |

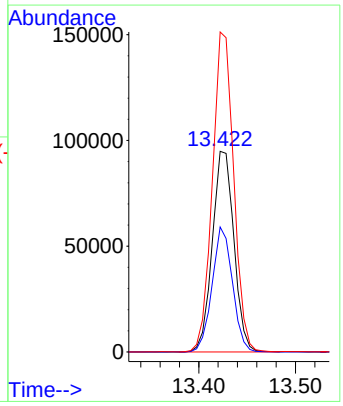


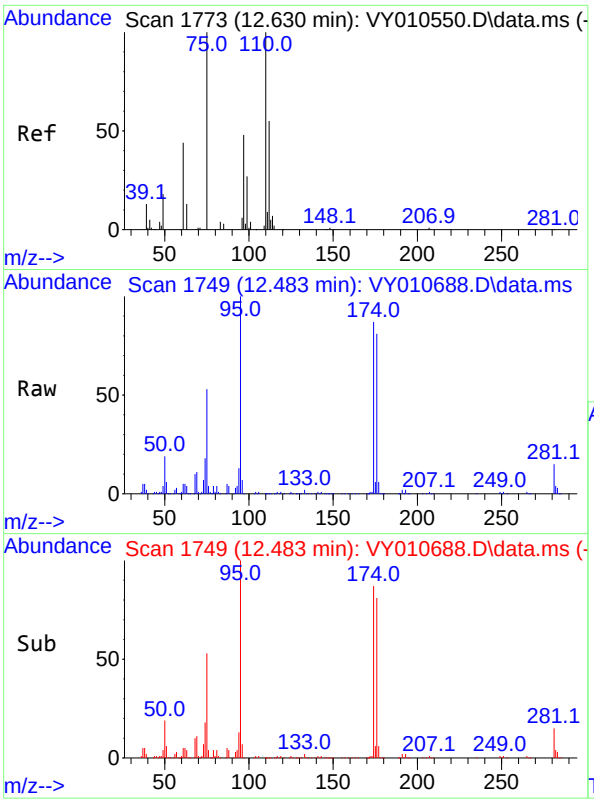




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion:152 Resp: 147248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.6 | 28.2 | 84.7 |
| 150 | 157.2 | 0.0 | 347.6 |



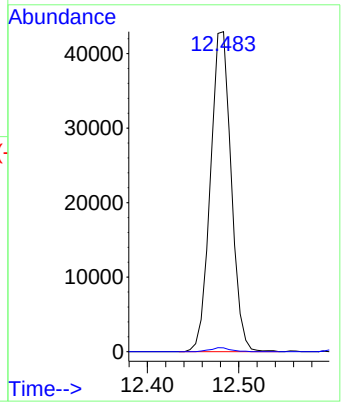


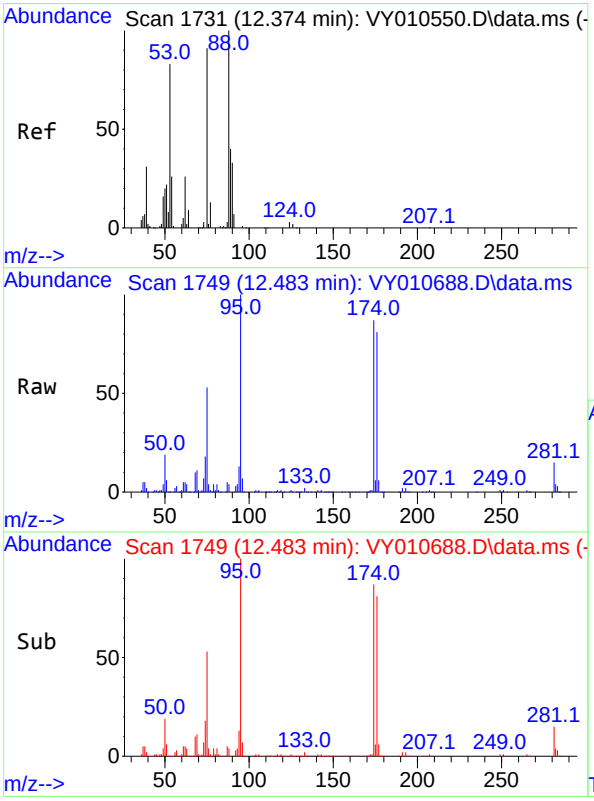

#76
1,2,3-Trichloropropane
Concen: 48.178 ug/l
RT: 12.483 min Scan# 1
Delta R.T. -0.147 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

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

Tgt Ion: 75 Resp: 67708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 107.120 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010688.D
Acq: 27 Sep 2022 11:28

Tgt Ion: 75 Resp: 67708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 85.3 | 127.9# |
| 89 | 0.1 | 37.0 | 55.4# |