Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111323\
Data File : VY016328.D
Acq On : 13 Nov 2023 17:19
Operator : SY/MD
Sample : 05366-01
Misc : 5.71g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Quant Time: Nov 14 04:38:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.807 | 168 | 97549 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.703 | 114 | 171232 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.502 | 117 | 165969 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.440 | 152 | 80092 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.155 | 65 | 60548 | 67.912 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 135.820% | | | |
| 35) Dibromofluoromethane | 7.734 | 113 | 53915 | 55.428 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 110.860% | | | |
| 50) Toluene-d8 | 10.197 | 98 | 203324 | 51.546 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 103.100% | | | |
| 62) 4-Bromofluorobenzene | 12.495 | 95 | 73355 | 57.258 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 114.520% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 3.960 | 43 | 12367 | 83.858 | ug/l # | 86 |
| 17) Carbon Disulfide | 4.216 | 76 | 8683 | 2.919 | ug/l | 100 |
| 20) Methylene Chloride | 4.735 | 84 | 12041 | 8.681 | ug/l | 89 |
| 40) Benzene | 8.173 | 78 | 11575 | 2.439 | ug/l | 97 |
| 95) Naphthalene | 15.245 | 128 | 35349 | 14.012 | ug/l | 97 |

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

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P-13(10-15)

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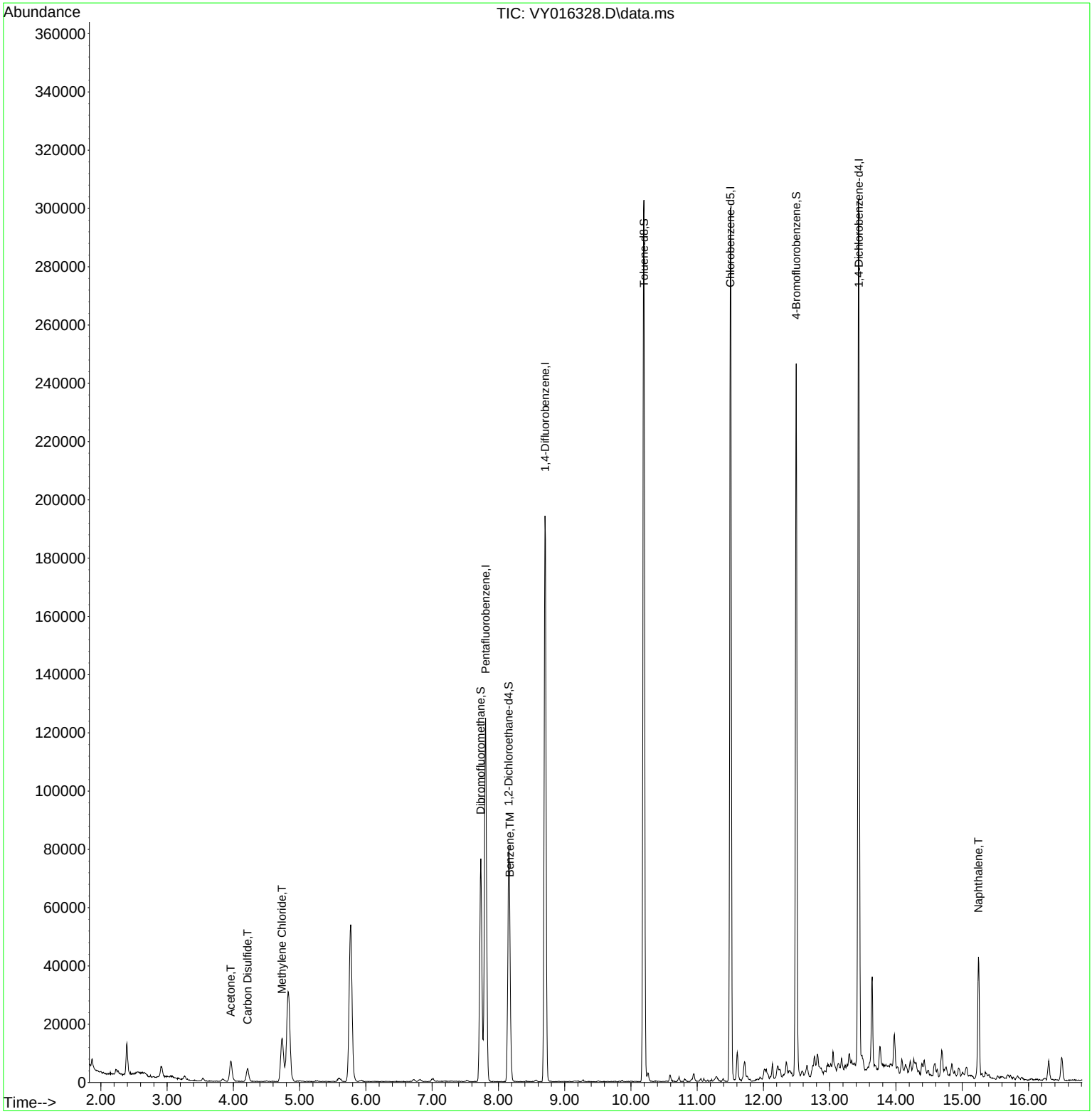
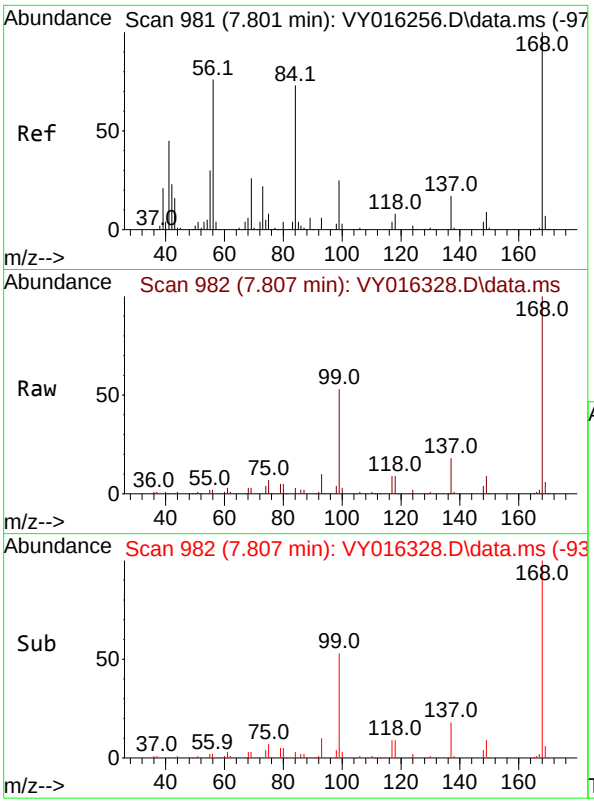


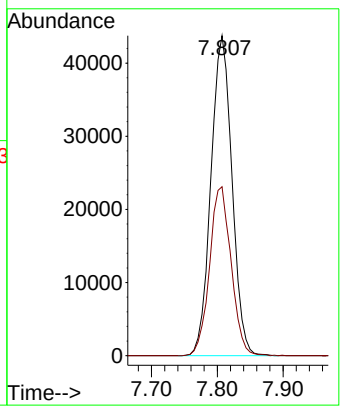


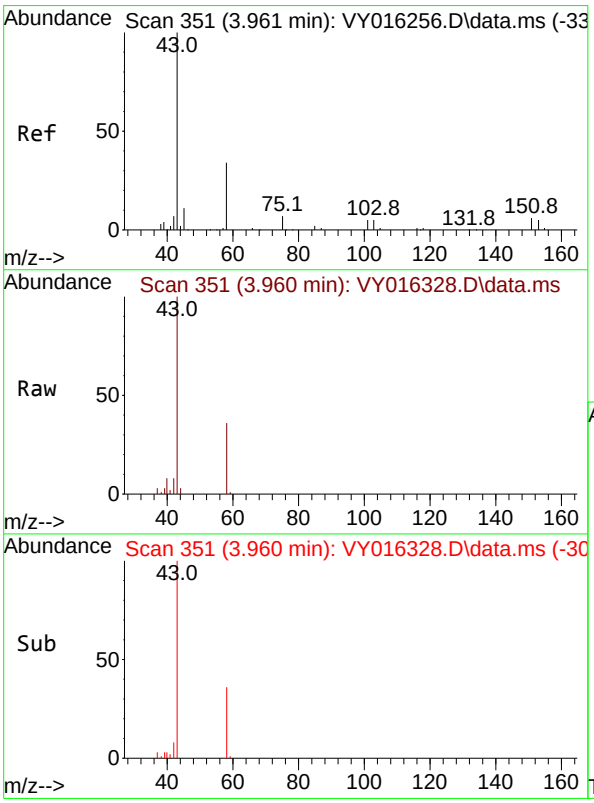

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion:168 Resp: 97549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 52.8 | 43.4 | 65.0 |

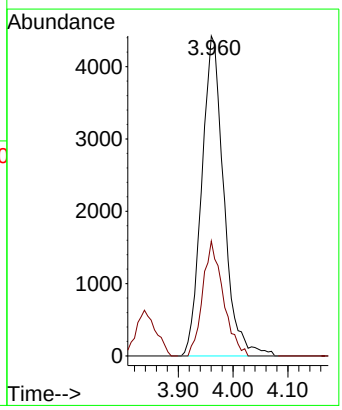


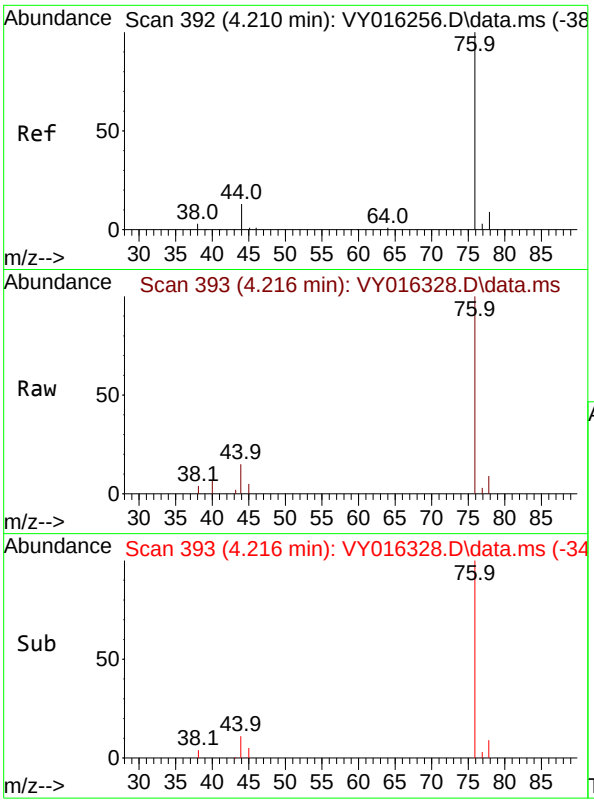




#16
Acetone
Concen: 83.858 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

Tgt Ion: 43 Resp: 12367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 22.7 | 34.1# |



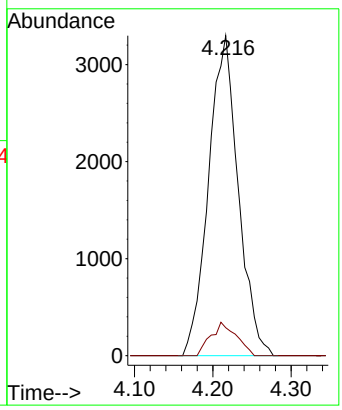


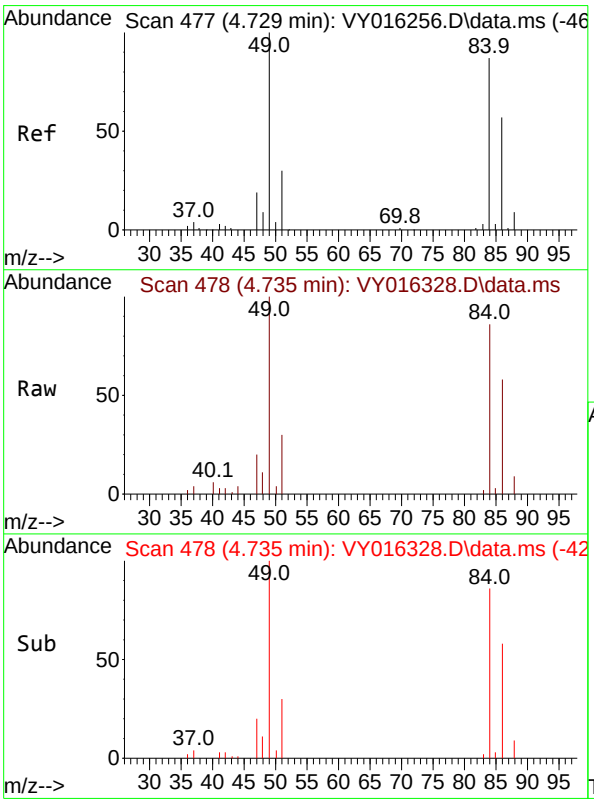

#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 4.216 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion: 76 Resp: 8683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.4 |

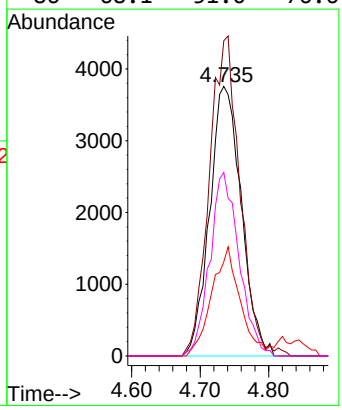


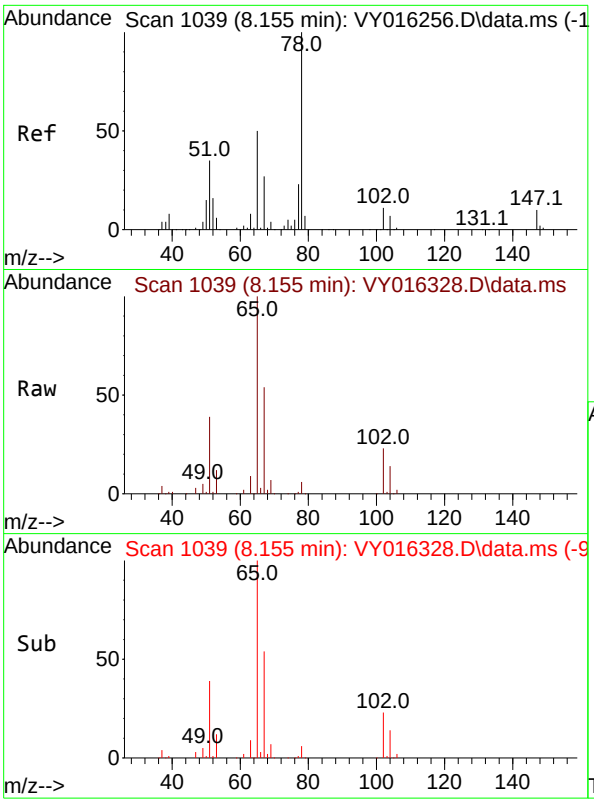




#20
Methylene Chloride
Concen: 8.681 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

Tgt Ion: 84 Resp: 12041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.0 | 106.9 | 160.3 |
| 51 | 34.9 | 33.2 | 49.8 |
| 86 | 68.1 | 51.0 | 76.6 |



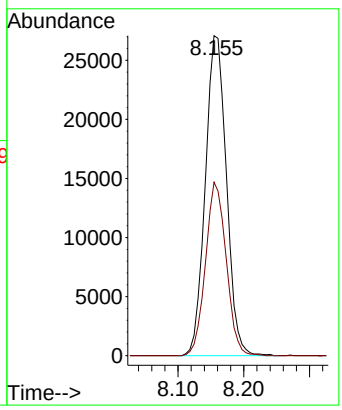


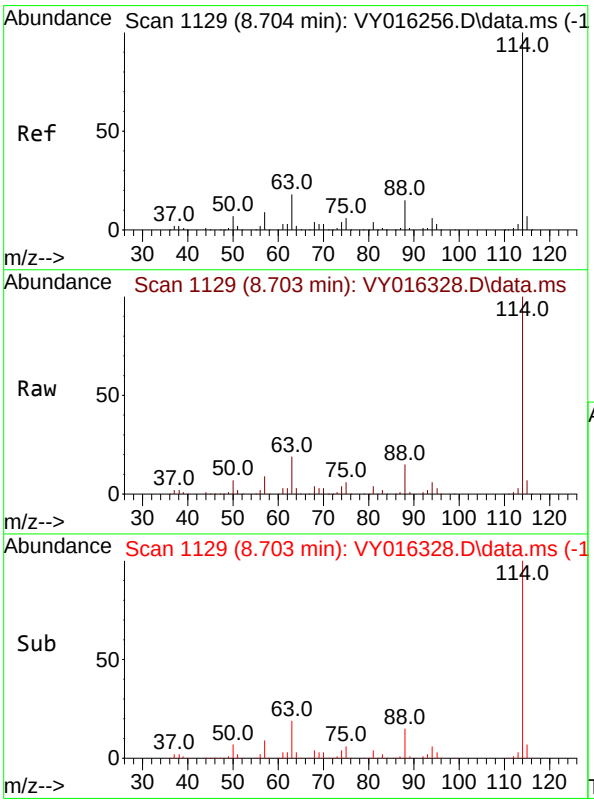

#33
1,2-Dichloroethane-d4
Concen: 67.912 ug/l
RT: 8.155 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion: 65 Resp: 60548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.1 | 0.0 | 101.8 |

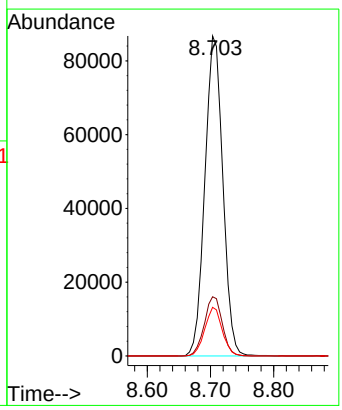


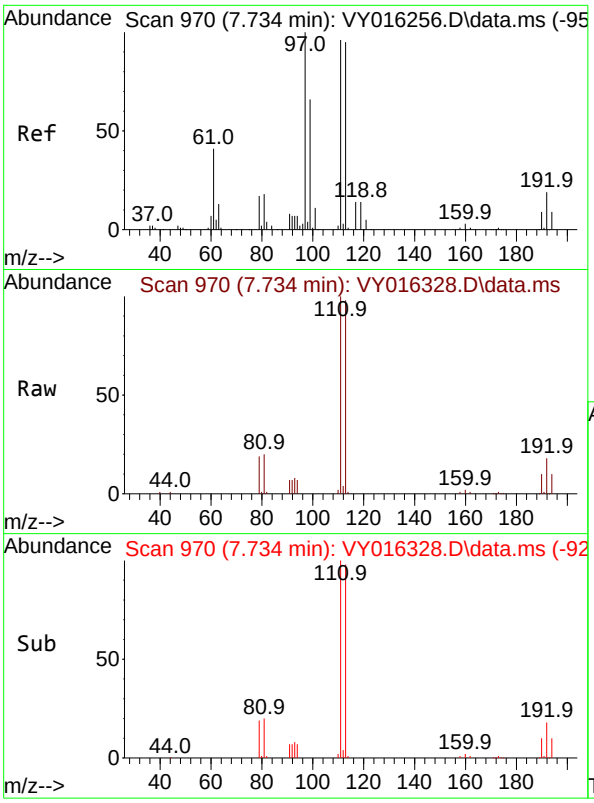




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

Tgt Ion:114 Resp: 171232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 42.4 |
| 88 | 15.2 | 0.0 | 30.6 |



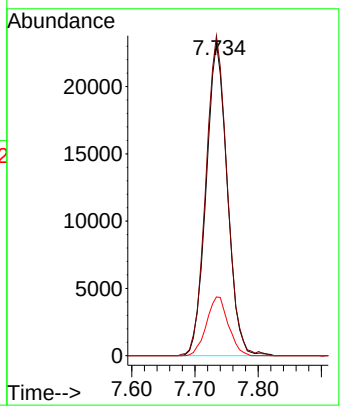


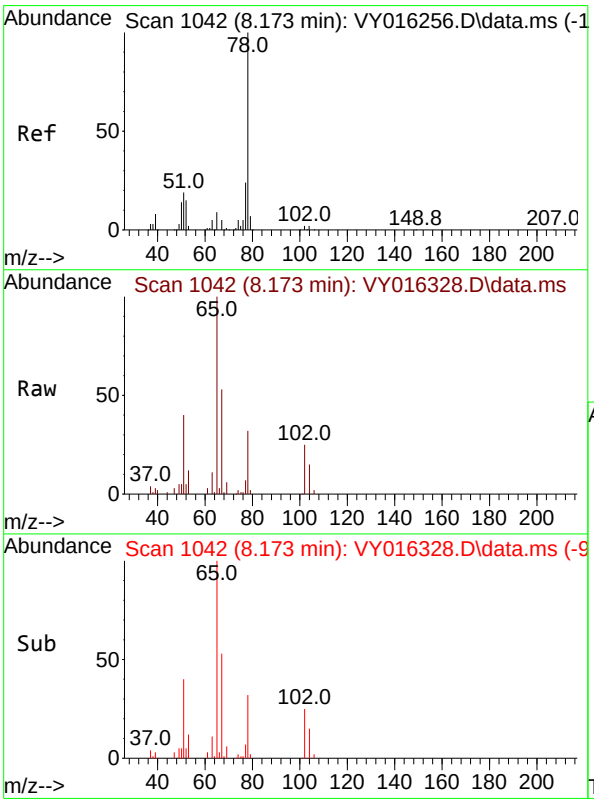

#35
Dibromofluoromethane
Concen: 55.428 ug/l
RT: 7.734 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion:113 Resp: 53915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 81.3 | 121.9 |
| 192 | 19.4 | 16.9 | 25.3 |

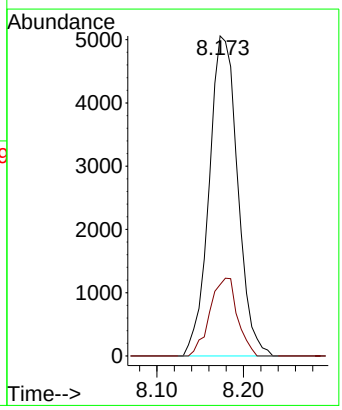


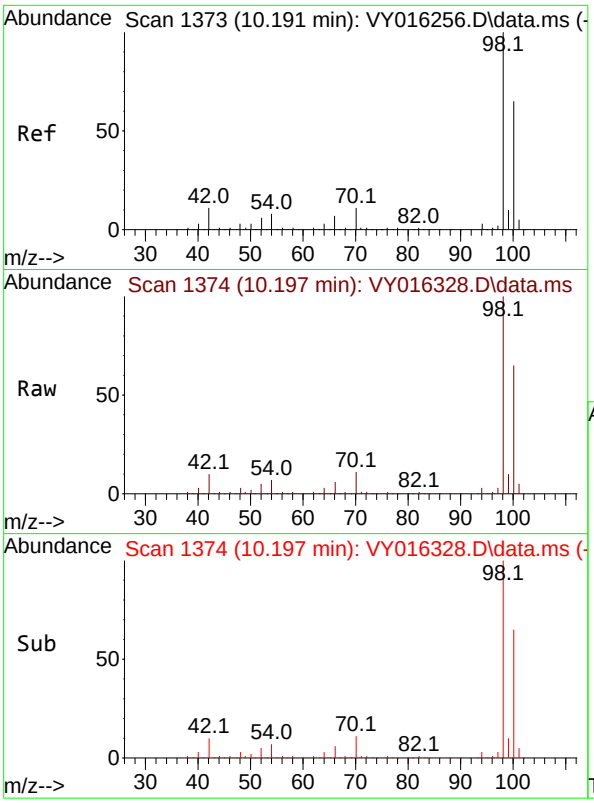




#40
Benzene
Concen: 2.439 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

Tgt Ion: 78 Resp: 11575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.3 | 19.0 | 28.6 |



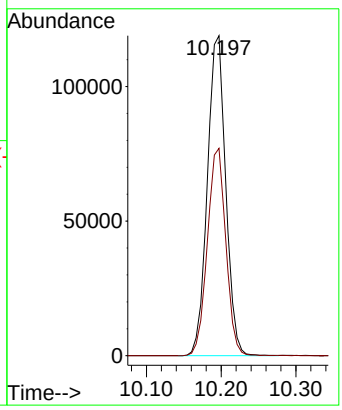


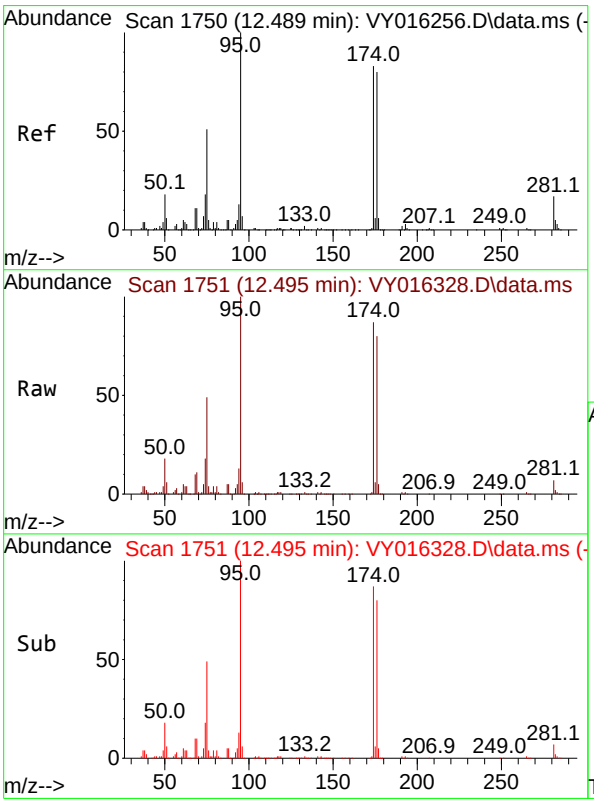

#50
Toluene-d8
Concen: 51.546 ug/l
RT: 10.197 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion: 98 Resp: 203324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 50.1 | 75.1 |

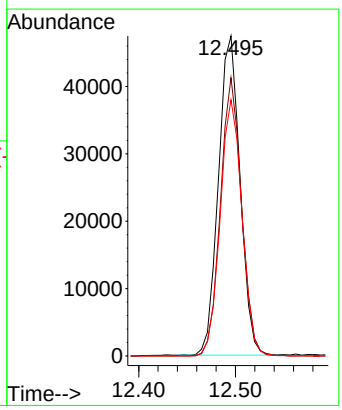


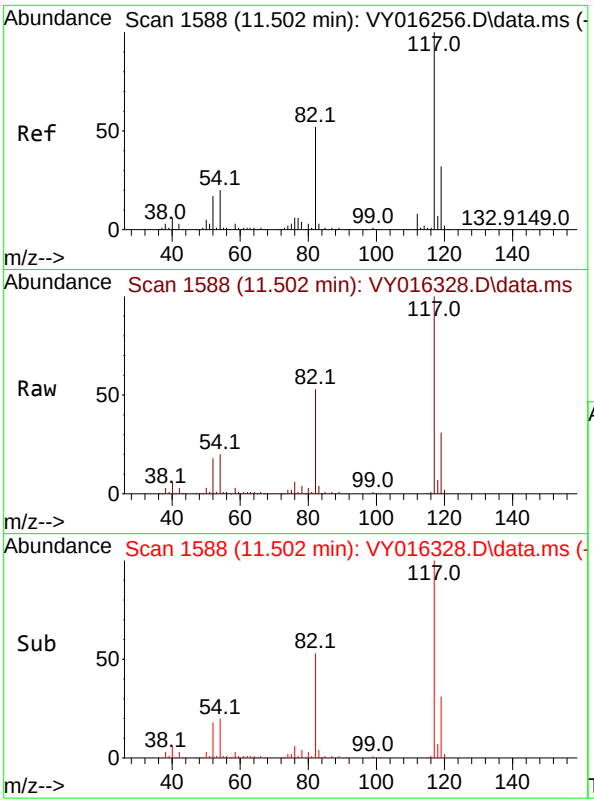




#62
4-Bromofluorobenzene
Concen: 57.258 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

Tgt Ion: 95 Resp: 73355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 85.0 | 0.0 | 178.2 |
| 176 | 81.1 | 0.0 | 173.8 |



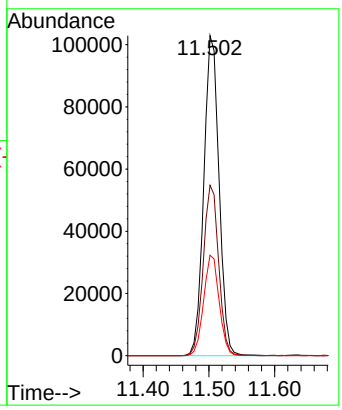


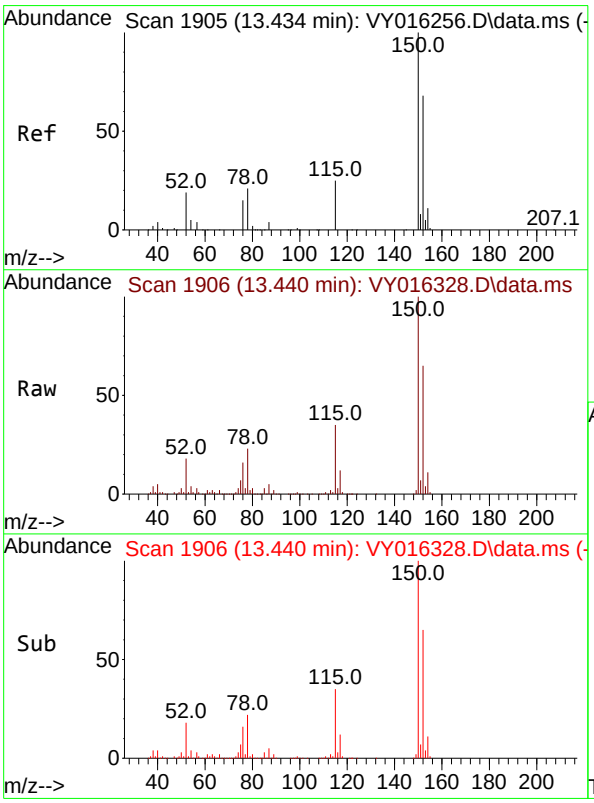

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion:117 Resp: 165969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.3 | 43.4 | 65.0 |
| 119 | 31.4 | 26.3 | 39.5 |

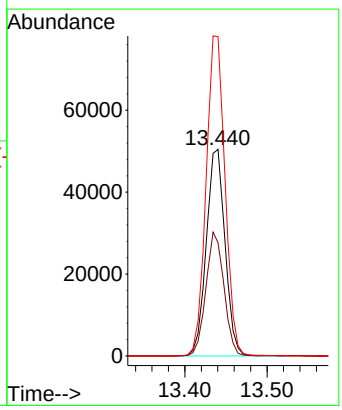


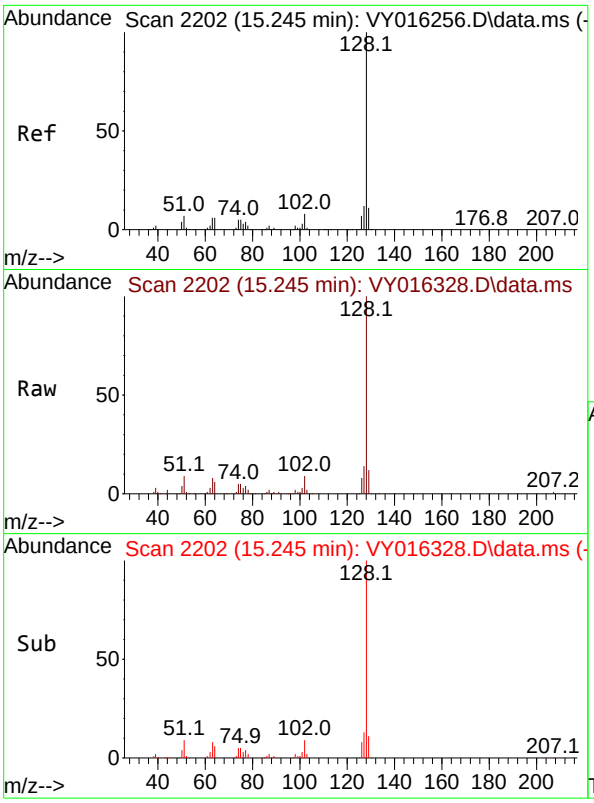




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

Tgt Ion:152 Resp: 80092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.7 | 28.8 | 86.5 |
| 150 | 156.1 | 0.0 | 348.8 |






#95
Naphthalene
Concen: 14.012 ug/l
RT: 15.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY016328.D
Acq: 13 Nov 2023 17:19

**Instrument :**
MSVOA_Y
**ClientSampleId :**
P-13(10-15)

Tgt Ion:128 Resp: 35349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.8 | 16.2 |
| 129 | 11.9 | 8.6 | 13.0 |