Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
Data File : VX036836.D
Acq On : 07 Aug 2023 14:52
Operator : JC/MD
Sample : O3899-02DL 40X
Misc : 1.20g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Quant Time: Aug 08 01:35:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 142101 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 255047 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 232447 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 106445 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 96633 | 45.959 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 91.920% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 82394 | 47.000 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 94.000% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 304553 | 48.989 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 97.980% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 117602 | 50.140 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 100.280% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetone | 2.379 | 43 | 9221 | 10.569 | ug/l | 97 |
| 31) Cyclohexane | 5.544 | 56 | 5580 | 1.917 | ug/l # | 1 |
| 39) Methylcyclohexane | 7.385 | 83 | 4340 | 1.336 | ug/l | 88 |
| 52) Toluene | 8.720 | 92 | 135258 | 28.395 | ug/l | 97 |
| 67) Ethyl Benzene | 10.195 | 91 | 52863 | 5.648 | ug/l | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 88390 | 25.309 | ug/l | 100 |
| 69) o-Xylene | 10.640 | 106 | 33931 | 9.733 | ug/l | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 8853 | 1.005 | ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 27040 | 2.654 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 32610 | 4.425 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 114240 | 15.500 | ug/l | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 13124 | 1.454 | ug/l | 85 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 7560 | 1.018 | ug/l | 96 |
| 89) n-Butylbenzene | 12.329 | 91 | 26210 | 3.941 | ug/l # | 51 |

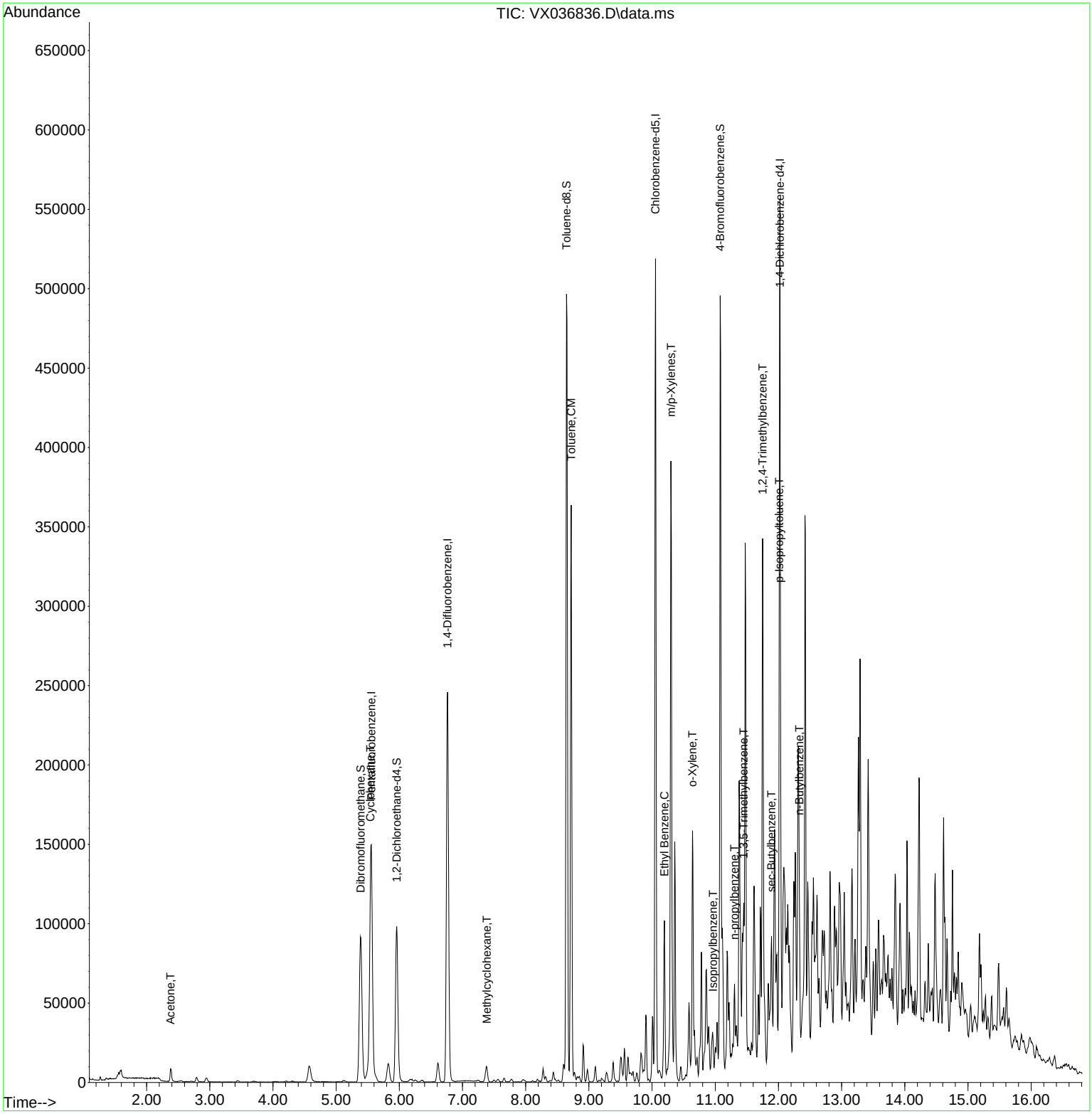
(#) = qualifier out of range (m) = manual integration (+) = signals summed

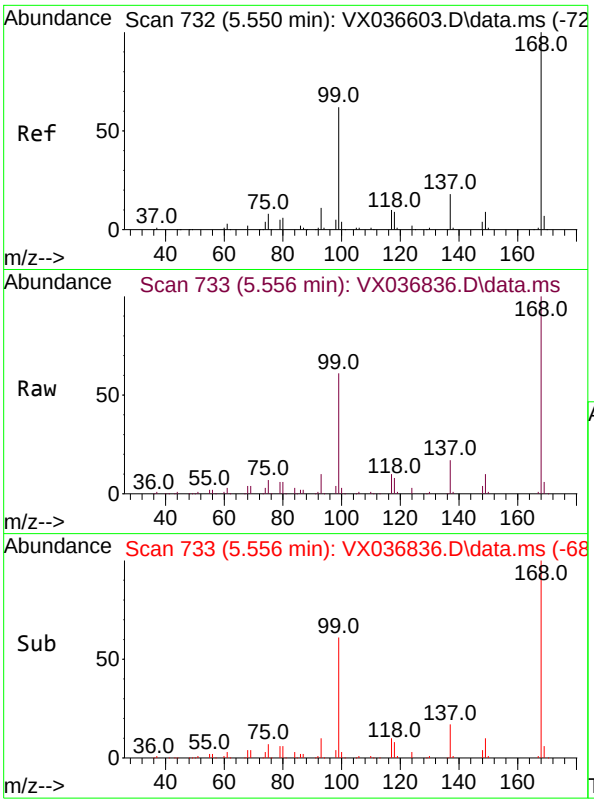
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
Data File : VX036836.D
Acq On : 07 Aug 2023 14:52
Operator : JC/MD
Sample : O3899-02DL 40X
Misc : 1.20g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Quant Time: Aug 08 01:35:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



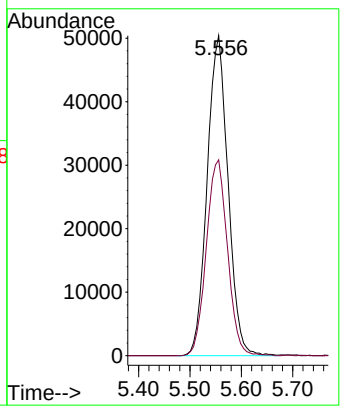


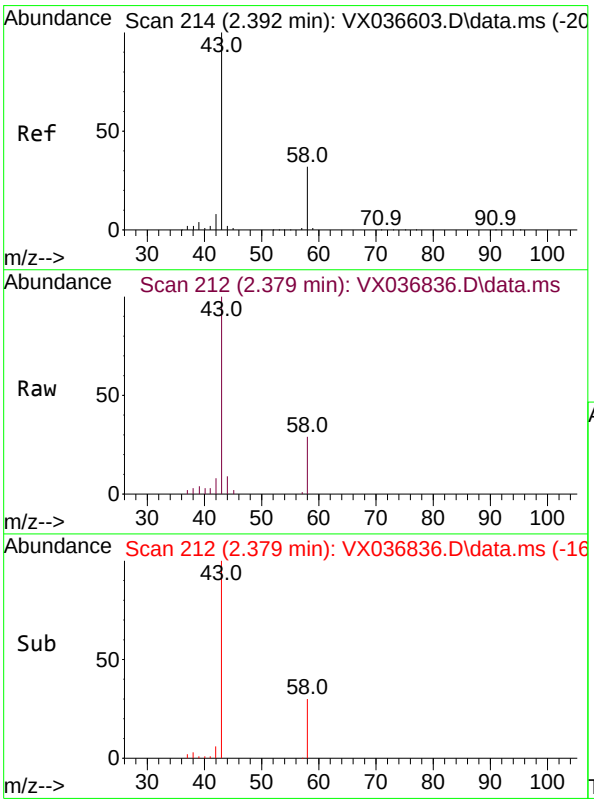

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion:168 Resp: 142101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.2 | 56.6 | 85.0 |

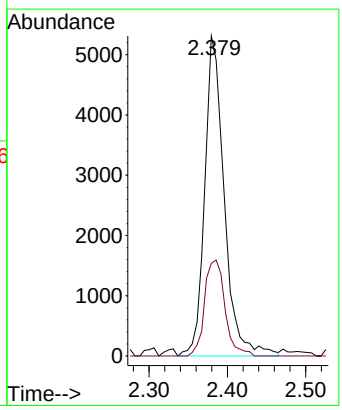


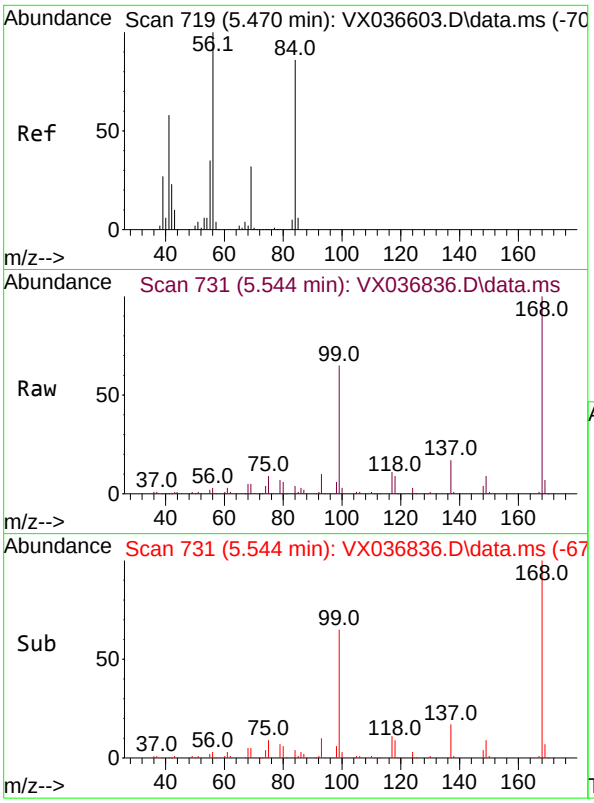




#16
Acetone
Concen: 10.569 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion: 43 Resp: 9221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 21.9 | 32.9 |



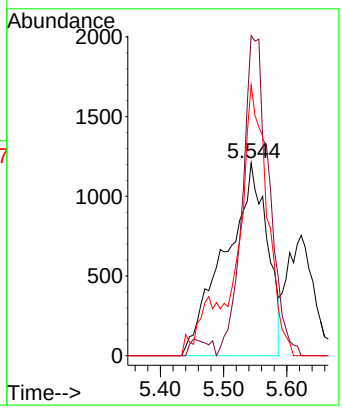


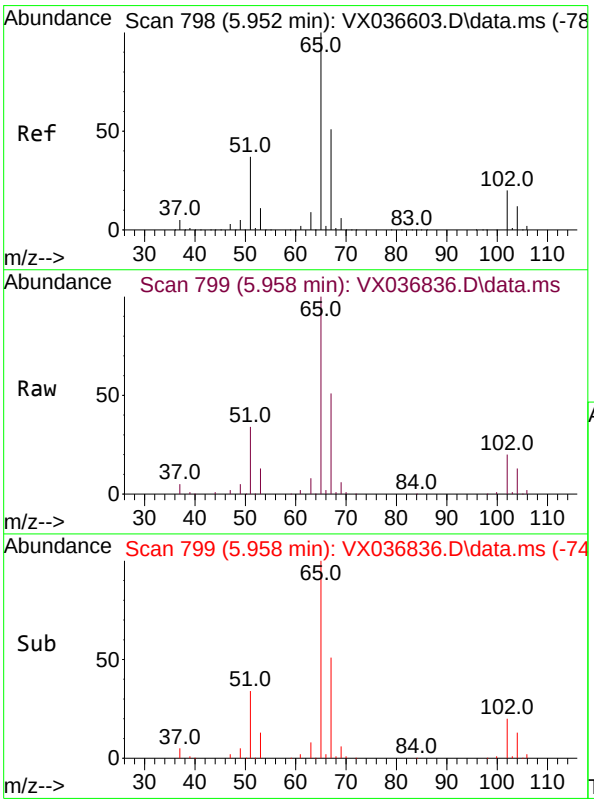

#31
Cyclohexane
Concen: 1.917 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.073 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion: 56 Resp: 5580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 166.0 | 23.4 | 35.2# |
| 84 | 140.4 | 65.9 | 98.9# |

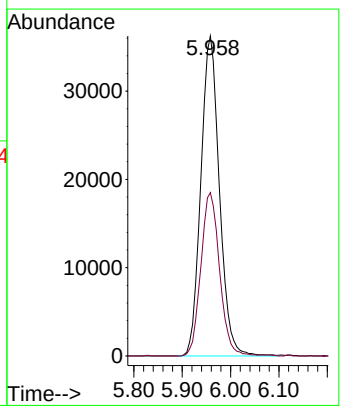


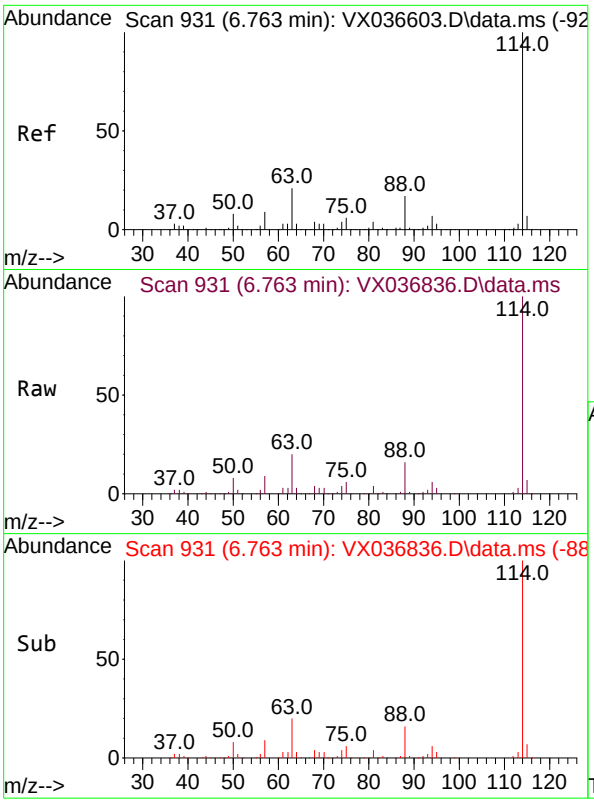




#33
1,2-Dichloroethane-d4
Concen: 45.959 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion: 65 Resp: 96633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 100.2 |



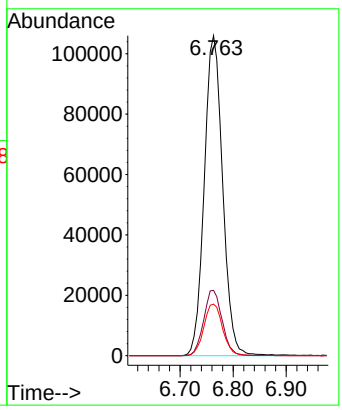


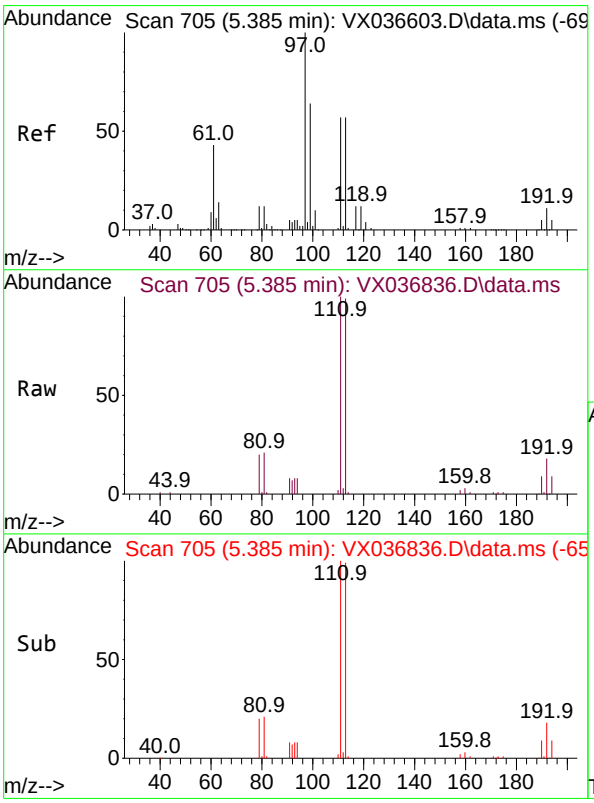

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion:114 Resp: 255047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 45.0 |
| 88 | 16.1 | 0.0 | 36.6 |

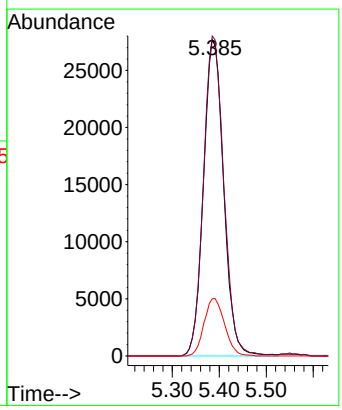


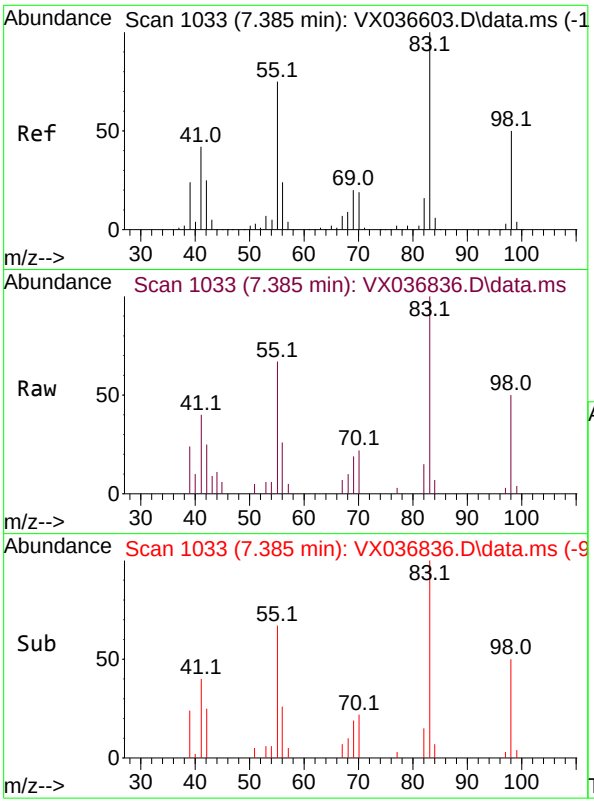




#35
Dibromofluoromethane
Concen: 47.000 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion:113 Resp: 82394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 82.9 | 124.3 |
| 192 | 18.5 | 13.3 | 19.9 |



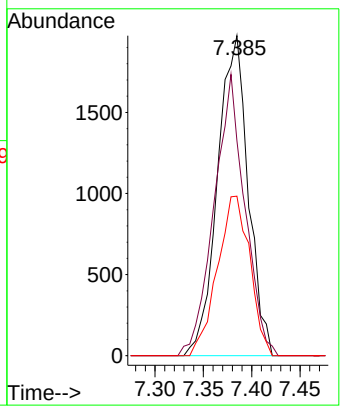


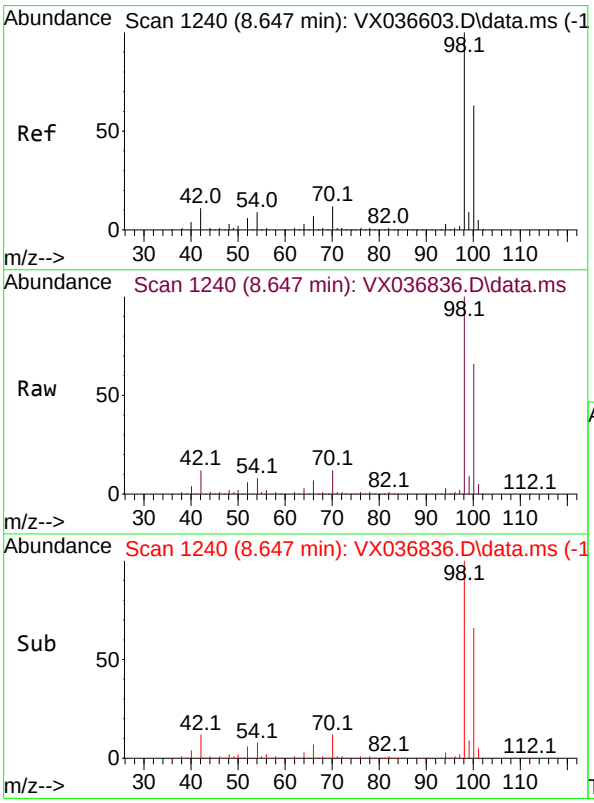

#39
Methylcyclohexane
Concen: 1.336 ug/l
RT: 7.385 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion: 83 Resp: 4340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 67.2 | 64.6 | 97.0 |
| 98 | 49.9 | 36.7 | 55.1 |

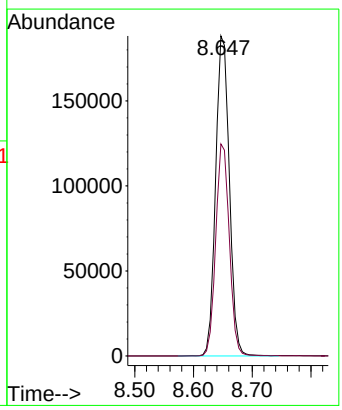


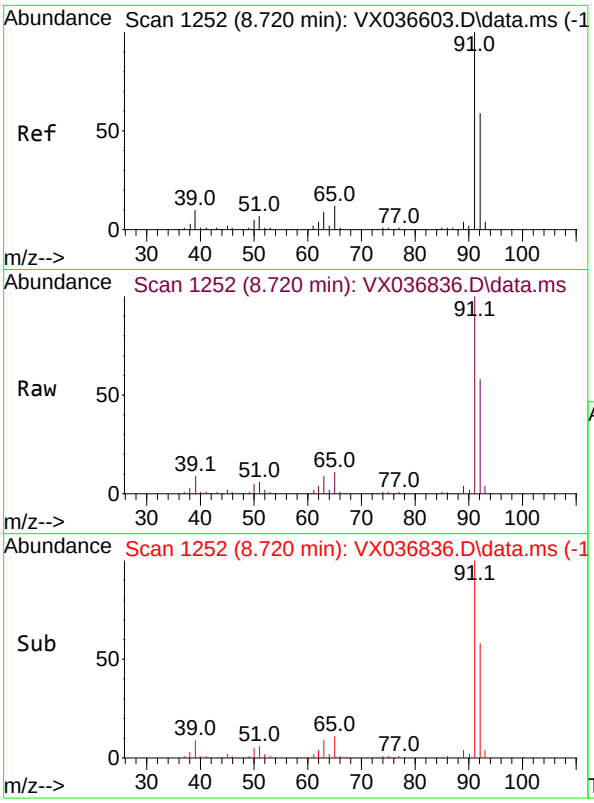




#50
Toluene-d8
Concen: 48.989 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion: 98 Resp: 304553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 53.1 | 79.7 |



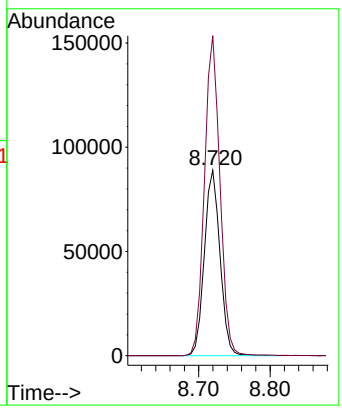


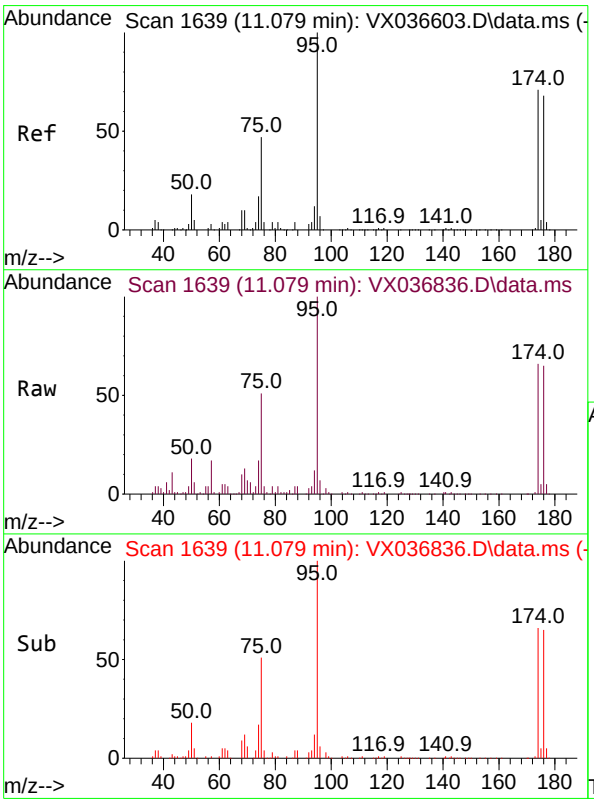

#52
Toluene
Concen: 28.395 ug/l
RT: 8.720 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion: 92 Resp: 135258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.1 | 134.2 | 201.2 |

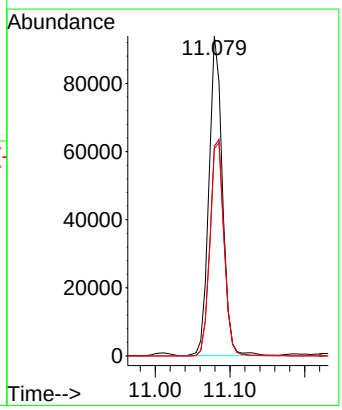


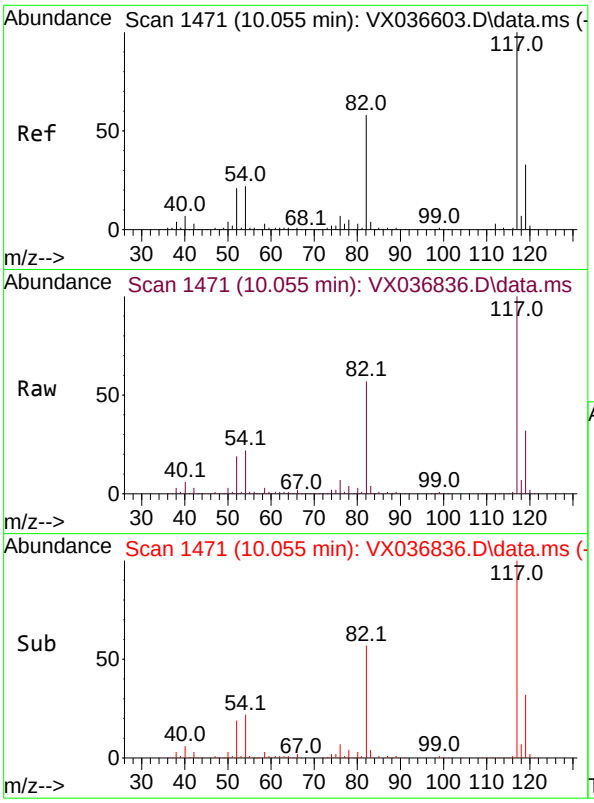




#62
4-Bromofluorobenzene
Concen: 50.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion: 95 Resp: 117602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.9 | 0.0 | 135.6 |
| 176 | 69.7 | 0.0 | 131.0 |



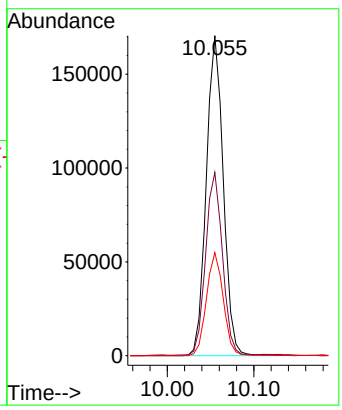


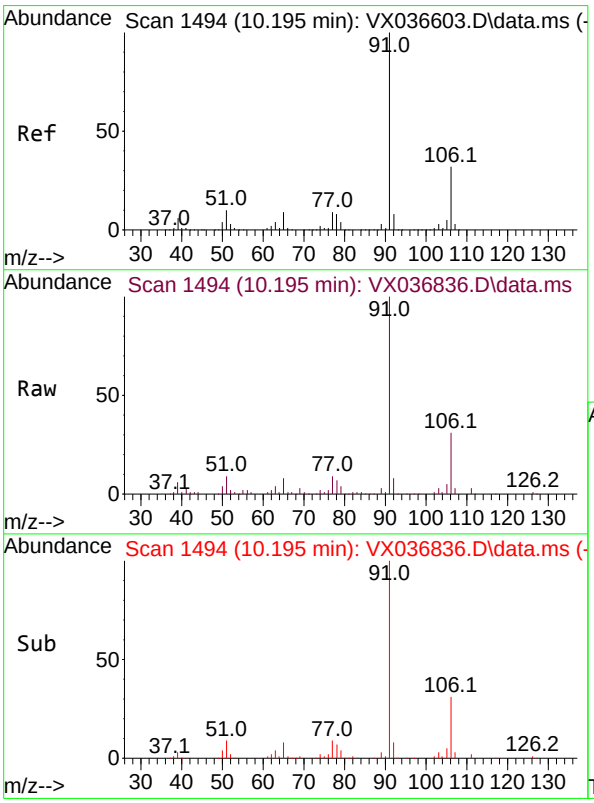

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion:117 Resp: 232447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.1 | 46.2 | 69.4 |
| 119 | 32.2 | 25.5 | 38.3 |

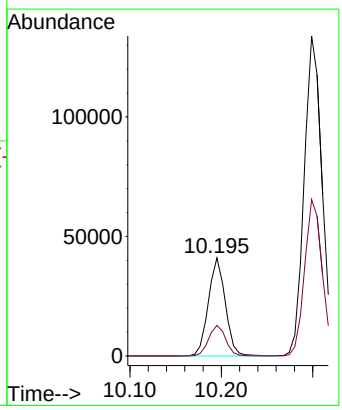


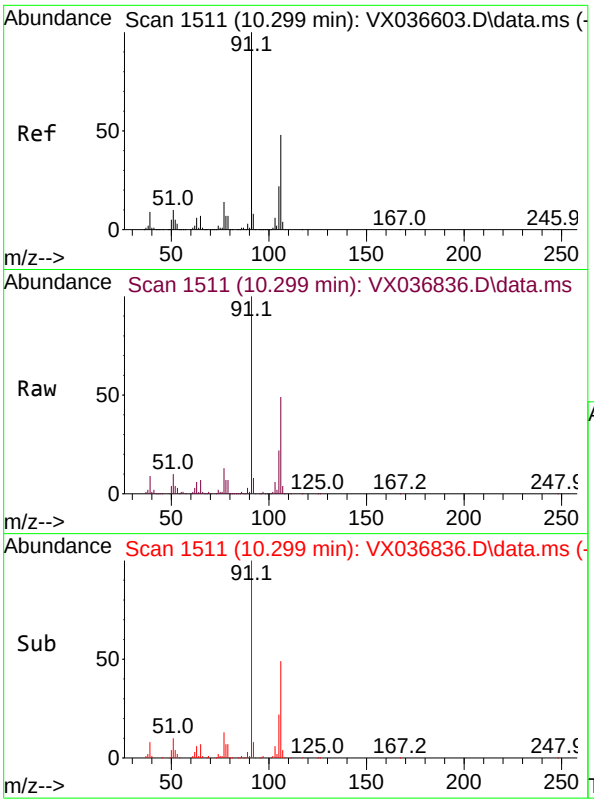




#67
Ethyl Benzene
Concen: 5.648 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion: 91 Resp: 52863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 24.9 | 37.3 |



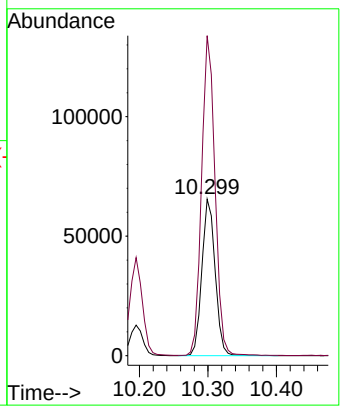


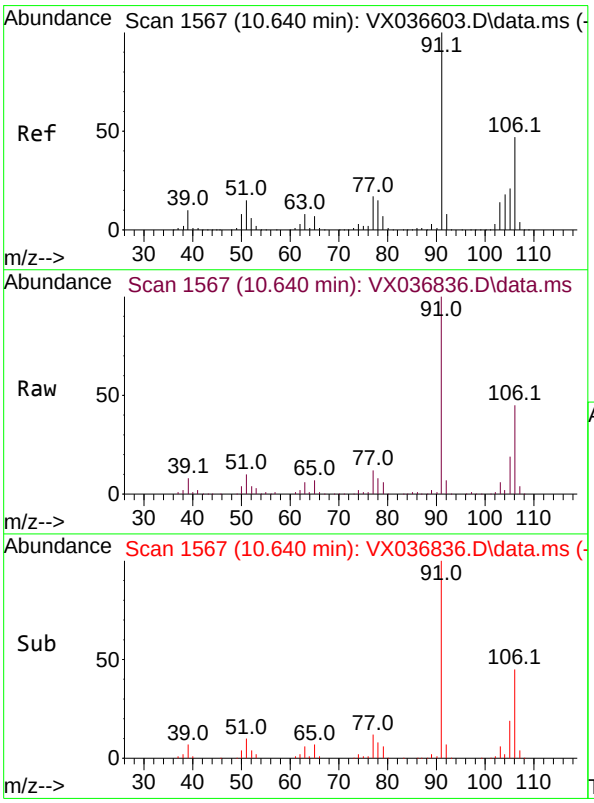

#68
m/p-Xylenes
Concen: 25.309 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion:106 Resp: 88390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.7 | 165.5 | 248.3 |

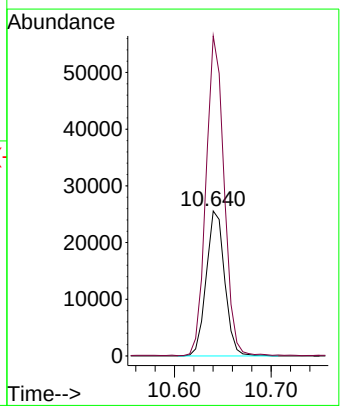


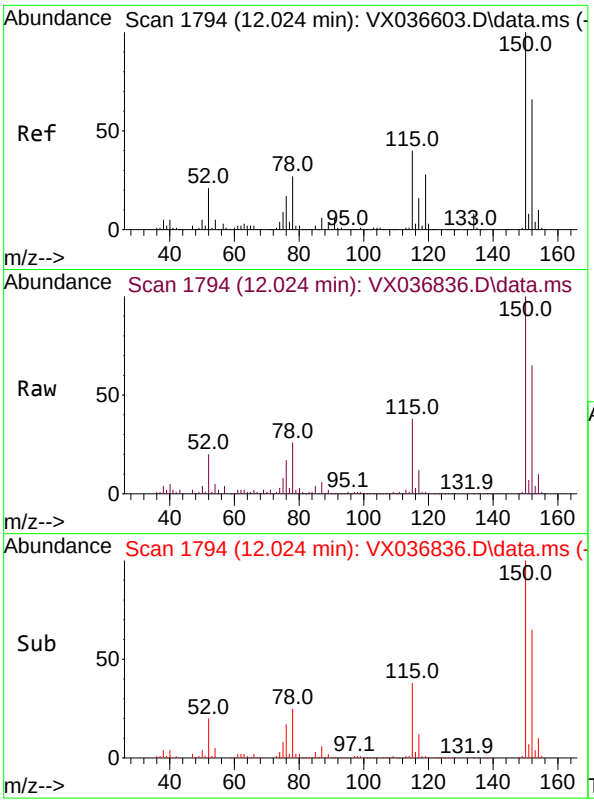




#69
o-Xylene
Concen: 9.733 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion:106 Resp: 33931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.1 | 108.9 | 326.8 |



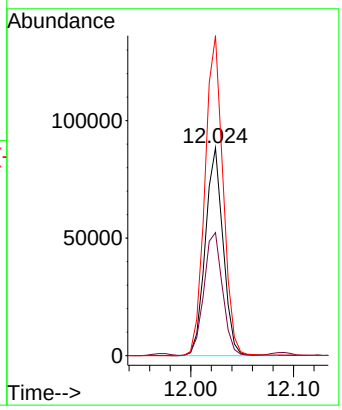


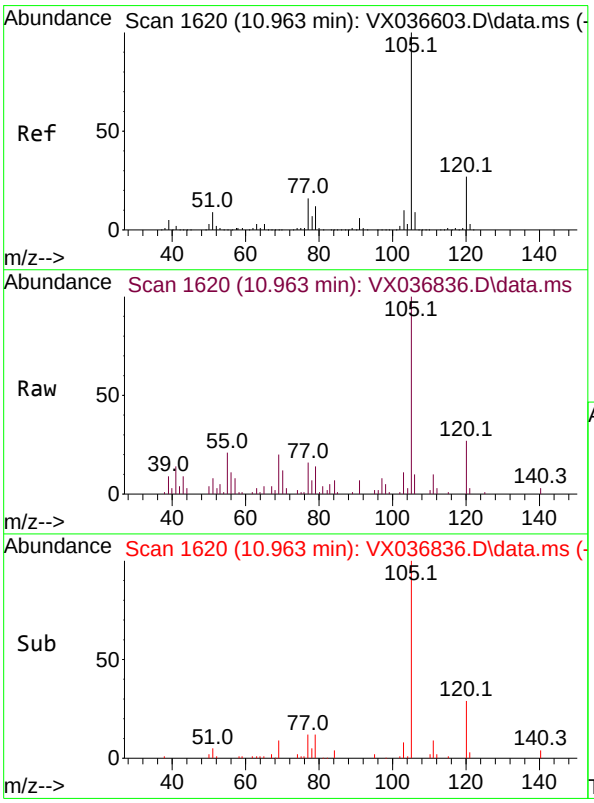

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion:152 Resp: 106445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.5 | 43.3 | 129.9 |
| 150 | 156.4 | 0.0 | 345.0 |

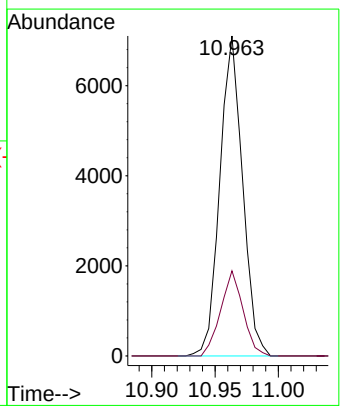


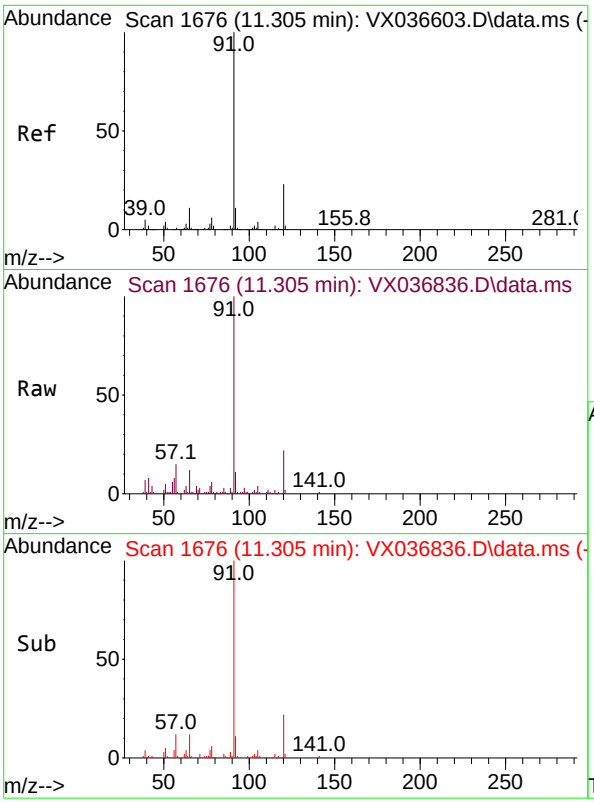




#73
Isopropylbenzene
Concen: 1.005 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion:105 Resp: 8853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 12.9 | 38.6 |



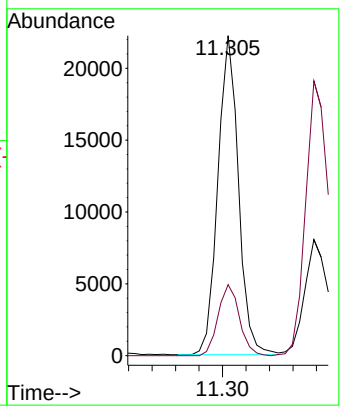


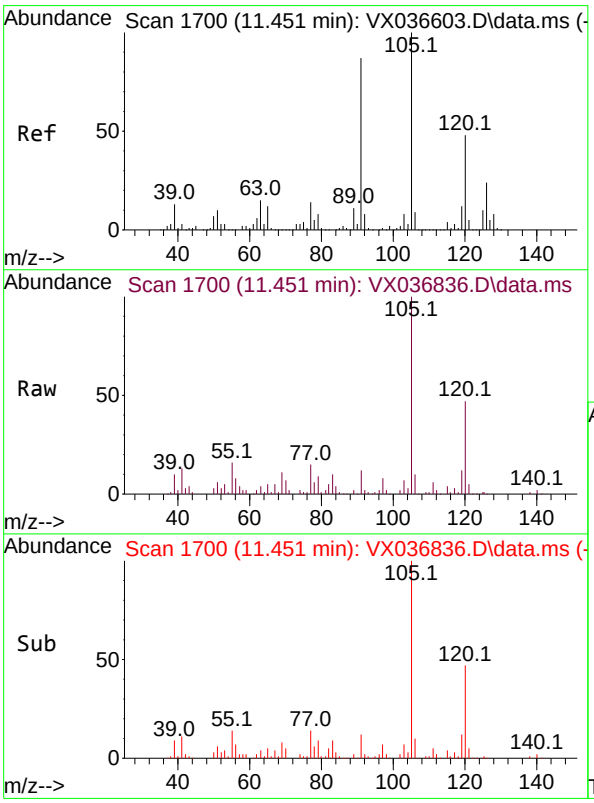

#78
n-propylbenzene
Concen: 2.654 ug/l
RT: 11.305 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion: 91 Resp: 27040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.0 | 11.5 | 34.4 |

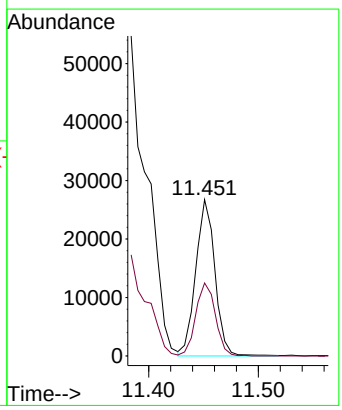


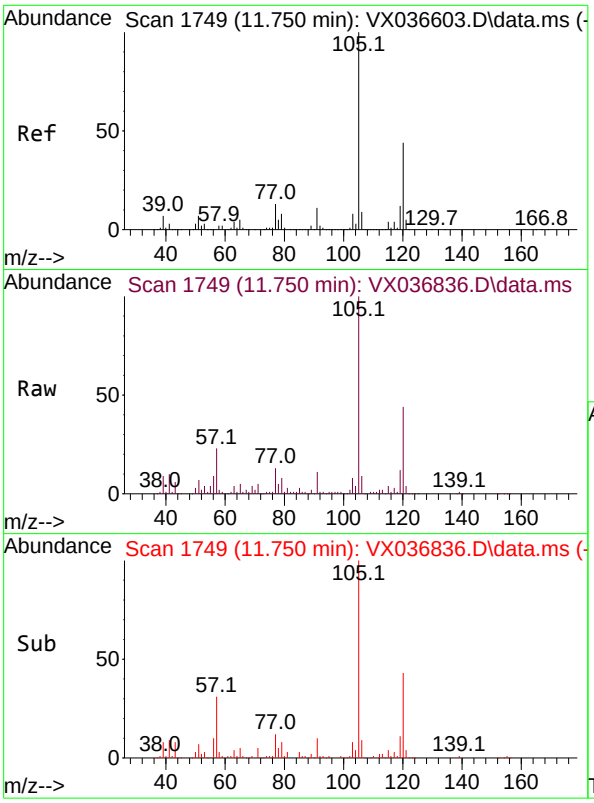




#80
1,3,5-Trimethylbenzene
Concen: 4.425 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion:105 Resp: 32610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 24.1 | 72.3 |



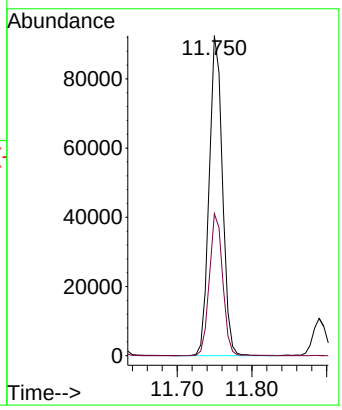


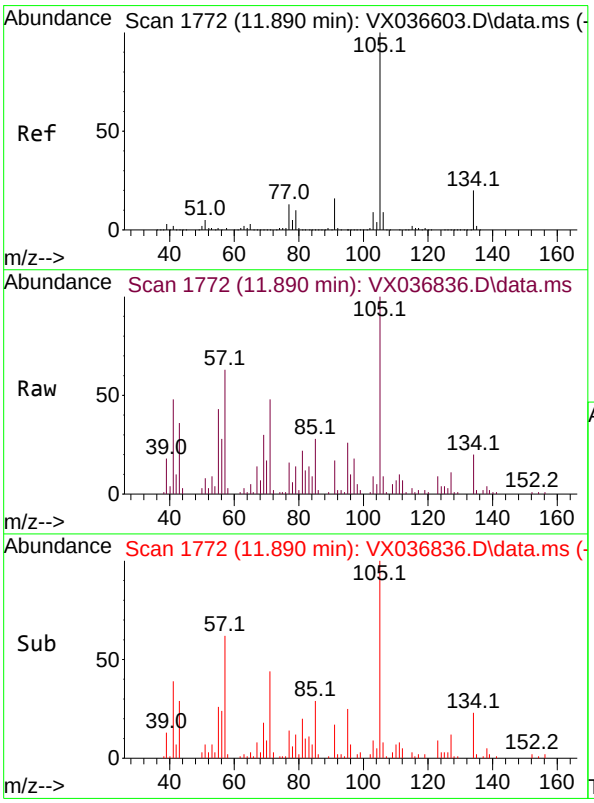

#84
1,2,4-Trimethylbenzene
Concen: 15.500 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

Tgt Ion:105 Resp: 114240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 21.2 | 63.6 |

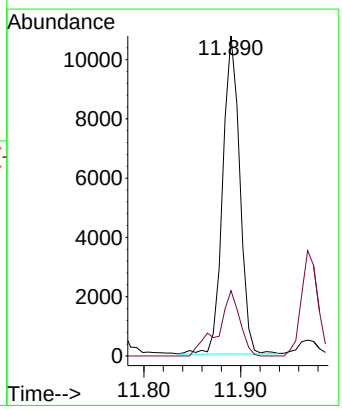


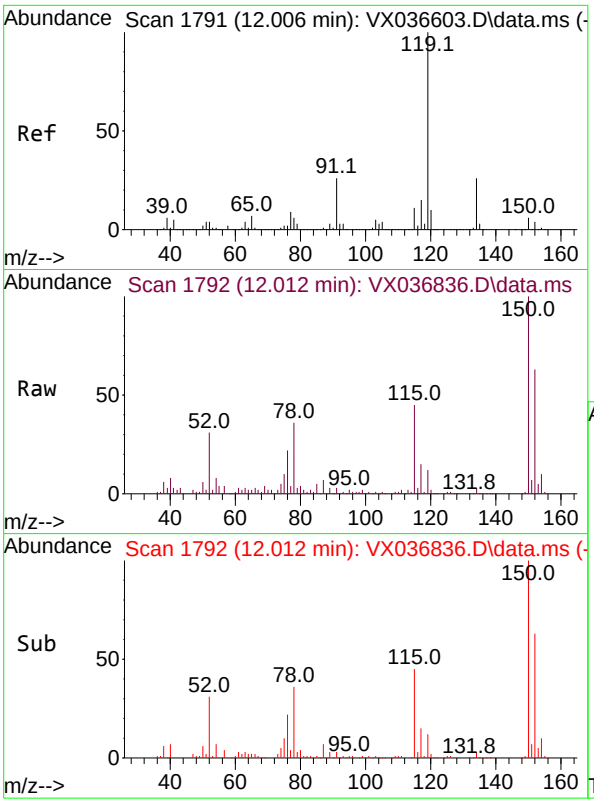




#85
sec-Butylbenzene
Concen: 1.454 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion:105 Resp: 13124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 26.3 | 9.8 | 29.4 |



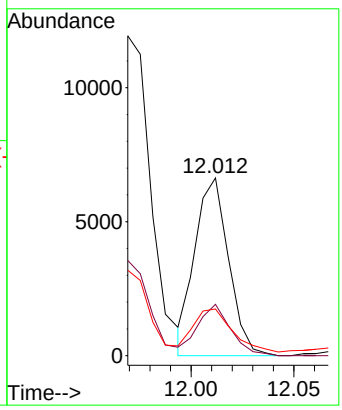


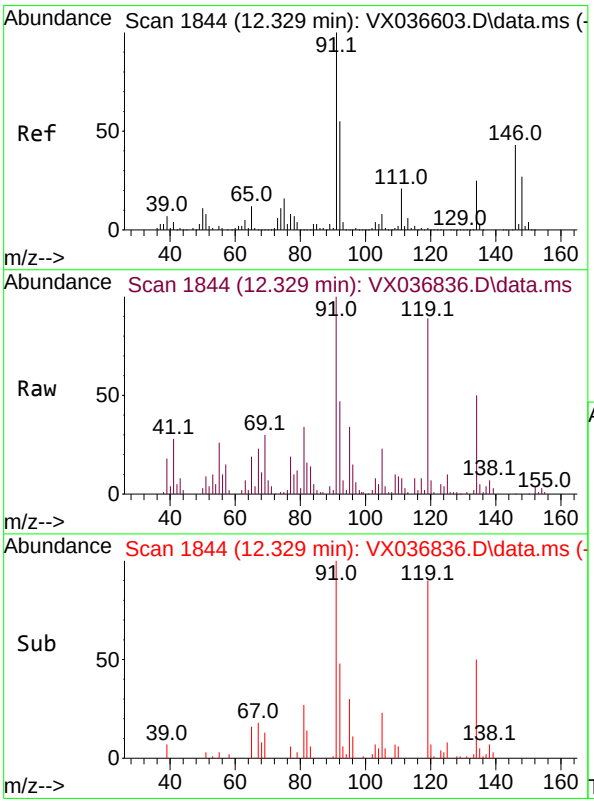

#86
p-Isopropyltoluene
Concen: 1.018 ug/l
RT: 12.012 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

**Instrument :**
MSVOA_X
**ClientSampleId :**
522DL

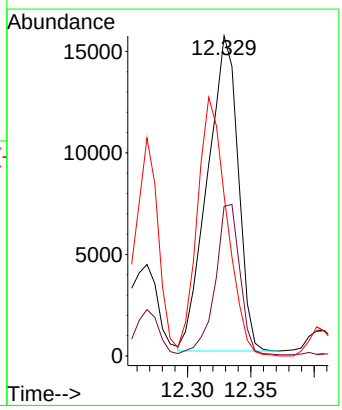
Tgt Ion:119 Resp: 7560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 28.4 | 12.8 | 38.3 |
| 91 | 27.8 | 13.1 | 39.3 |




#89
n-Butylbenzene
Concen: 3.941 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX036836.D
Acq: 07 Aug 2023 14:52

Tgt Ion: 91 Resp: 26210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 38.4 | 27.4 | 82.0 |
| 134 | 78.6 | 12.6 | 37.8# |