Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
Data File : VX031504.D
Acq On : 20 Sep 2022 18:30
Operator : JC/MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Quant Time: Sep 21 04:55:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 53681 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 85667 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 88737 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 56377 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 51314 | 52.071 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 104.140% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 41568 | 46.900 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.800% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 159223 | 46.651 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 93.300% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 48952 | 42.342 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 84.680% | | | |
| Target Compounds | | | | | | Qvalue |
| 5) Bromomethane | 1.618 | 94 | 618 | 0.372 | ug/l # | 66 |
| 6) Chloroethane | 1.660 | 64 | 151 | Below Cal | # | 43 |
| 11) Tert butyl alcohol | 2.953 | 59 | 2873 | Below Cal | # | 73 |
| 13) Acrolein | 2.197 | 56 | 87 | Below Cal | | 84 |
| 16) Acetone | 2.416 | 43 | 63 | Below Cal | # | 45 |
| 20) Methylene Chloride | 2.794 | 84 | 278 | Below Cal | # | 61 |
| 31) Cyclohexane | 5.531 | 56 | 354 | 0.242 | ug/l # | 67 |
| 36) 1,1-Dichloropropene | 5.550 | 75 | 4382 | 3.218 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 5.544 | 117 | 5265 | 3.488 | ug/l # | 16 |
| 51) 4-Methyl-2-Pentanone | 8.647 | 43 | 769 | 0.479 | ug/l # | 1 |
| 75) 1,1,2,2-Tetrachloroethane | 11.079 | 83 | 57 | Below Cal | # | 1 |
| 76) 1,2,3-Trichloropropane | 11.079 | 75 | 27279 | 21.680 | ug/l # | 37 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75 | 27279 | 69.805 | ug/l # | 11 |
| 95) Naphthalene | 13.780 | 128 | 1750 | 0.433 | ug/l | 98 |

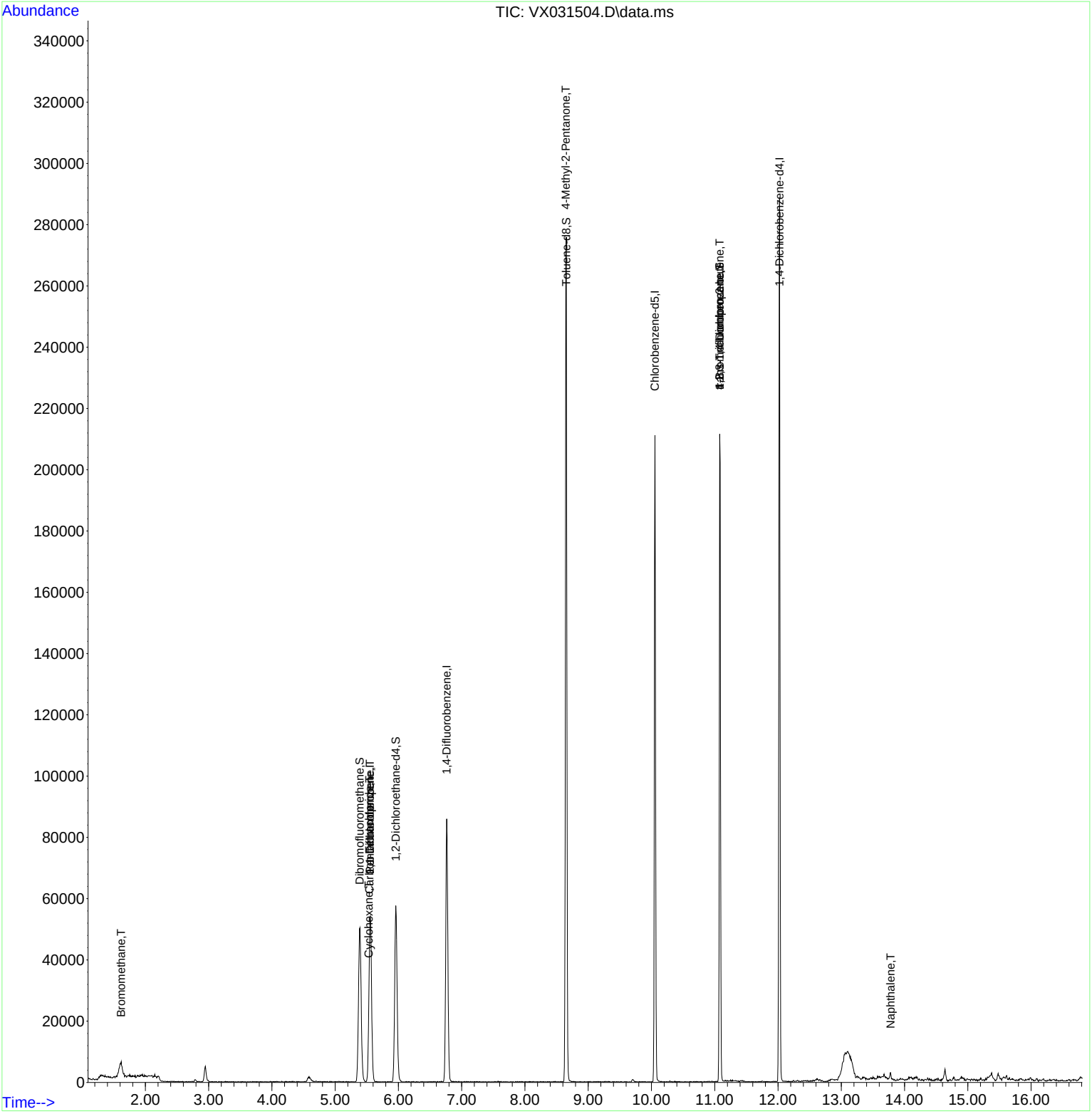
(#) = qualifier out of range (m) = manual integration (+) = signals summed

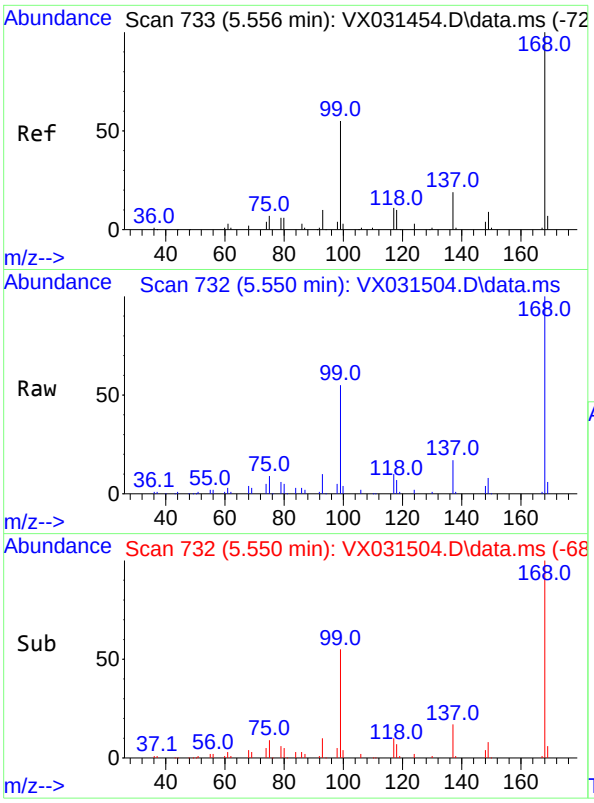
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
Data File : VX031504.D
Acq On : 20 Sep 2022 18:30
Operator : JC/MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Quant Time: Sep 21 04:55:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



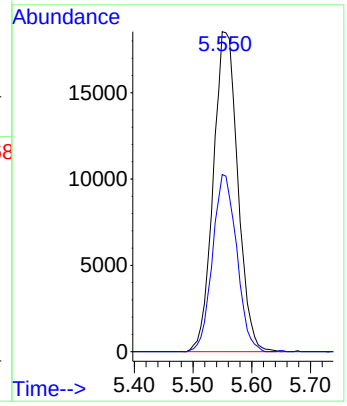


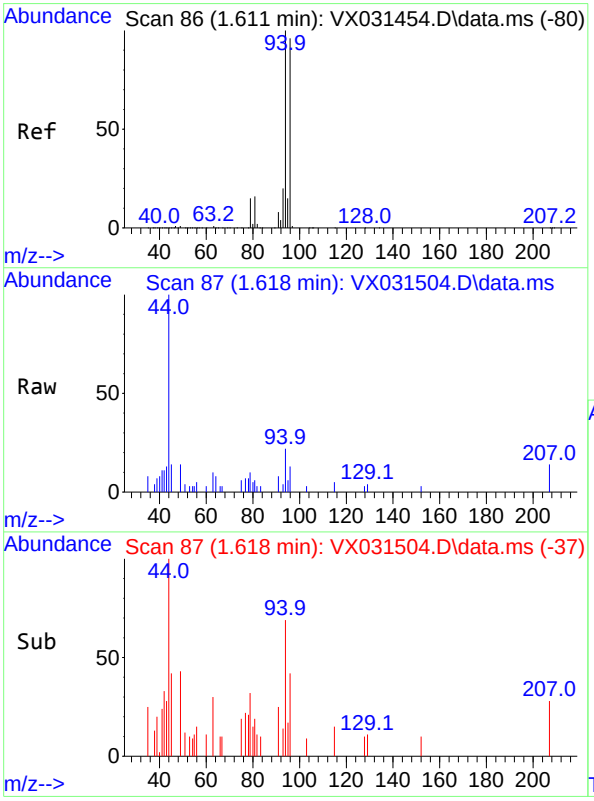

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion:168 Resp: 53681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.3 | 48.8 | 73.2 |

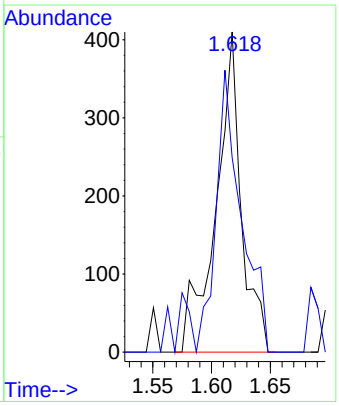


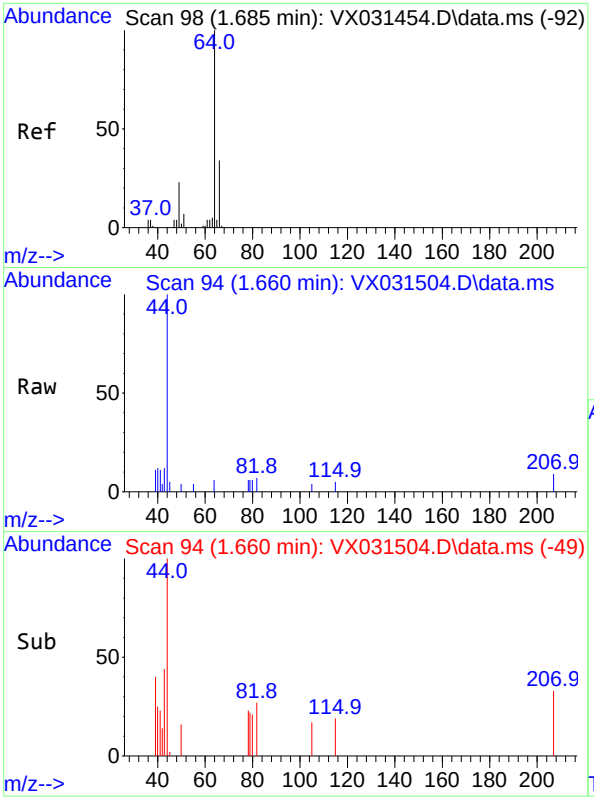




#5
Bromomethane
Concen: 0.372 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 94 Resp: 618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 60.7 | 74.4 | 111.6# |



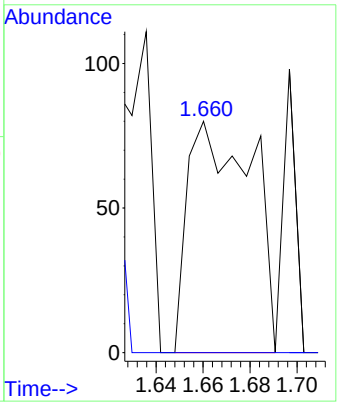


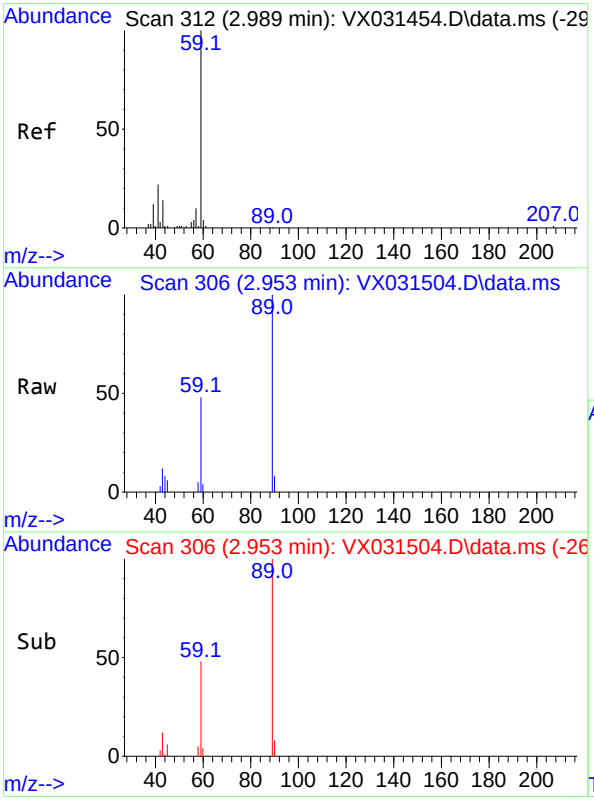

#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.025 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 64 Resp: 151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.0 | 37.4# |

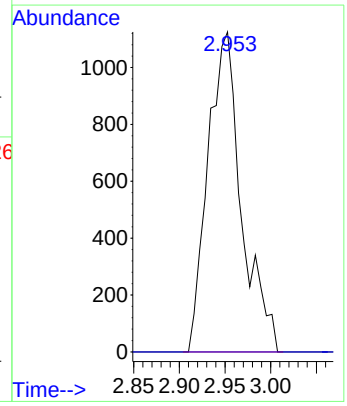


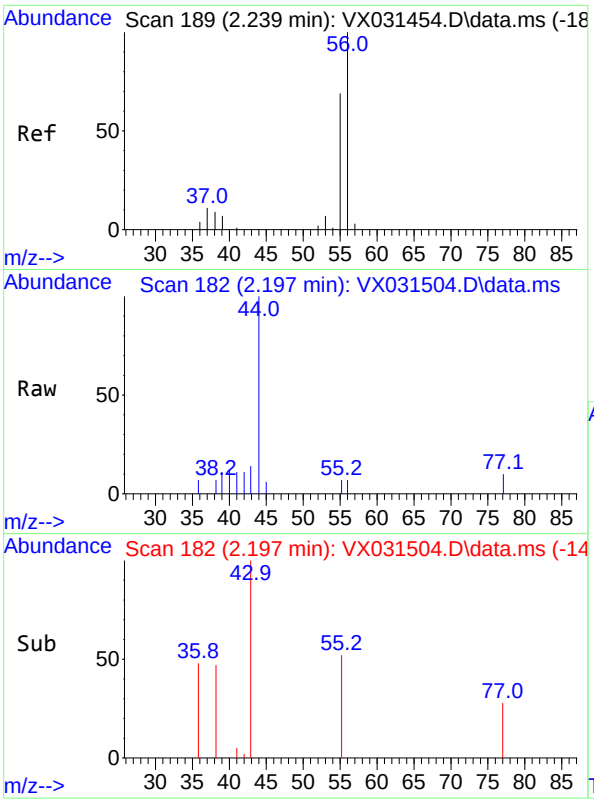




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 59 Resp: 2873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.2# |



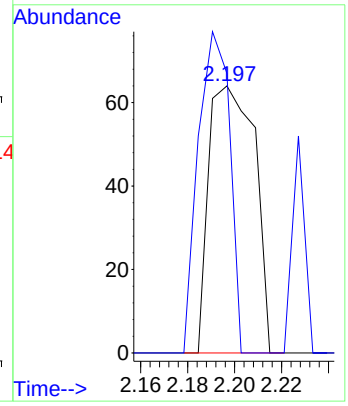


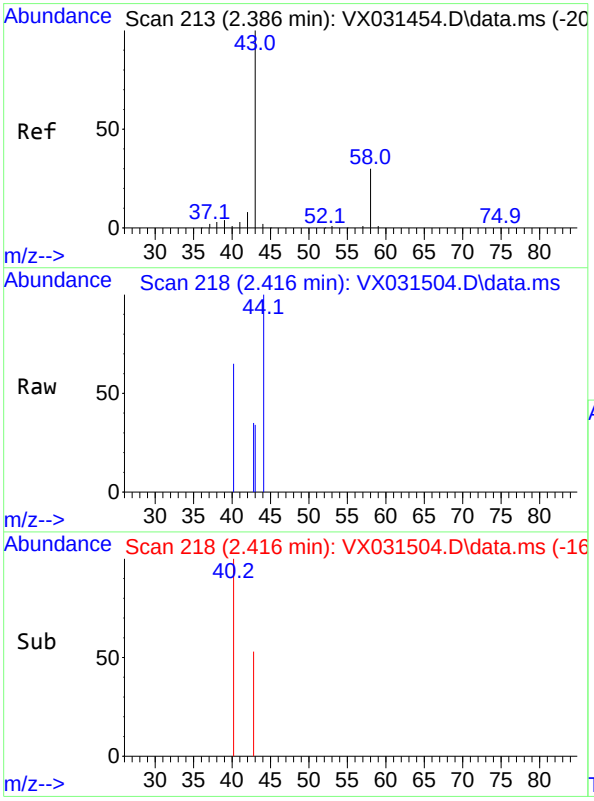

#13
Acrolein
Concen: Below Cal
RT: 2.197 min Scan# 1
Delta R.T. -0.042 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 56 Resp: 87

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 82.8 | 56.0 | 84.0 |

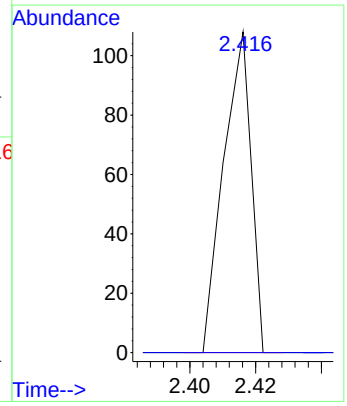


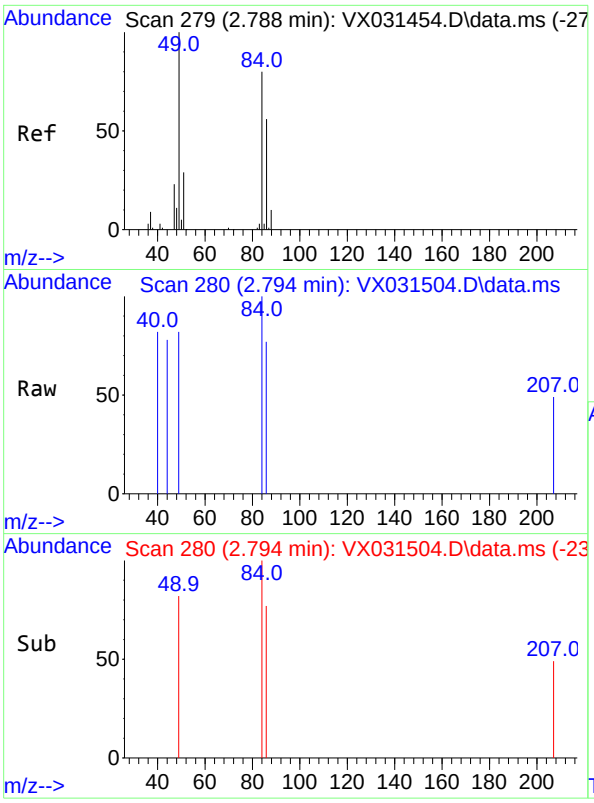




#16
Acetone
Concen: Below Cal
RT: 2.416 min Scan# 218
Delta R.T. 0.030 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 43 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 23.8 | 35.8# |



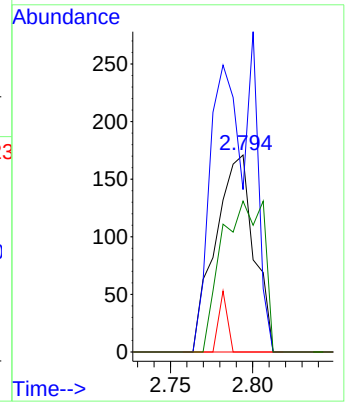


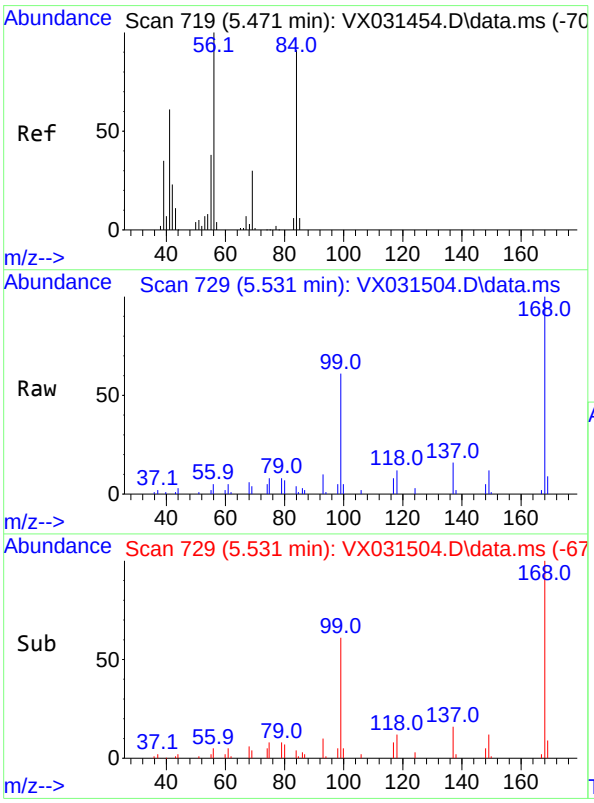

#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 84 Resp: 278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 82.5 | 105.9 | 158.9# |
| 51 | 0.0 | 32.2 | 48.2# |
| 86 | 76.6 | 50.8 | 76.2# |

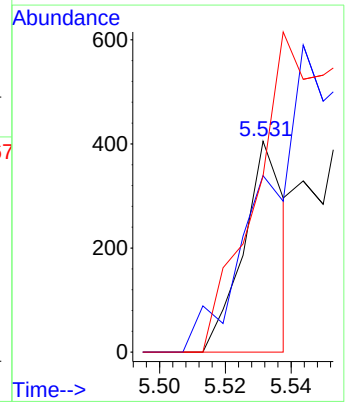


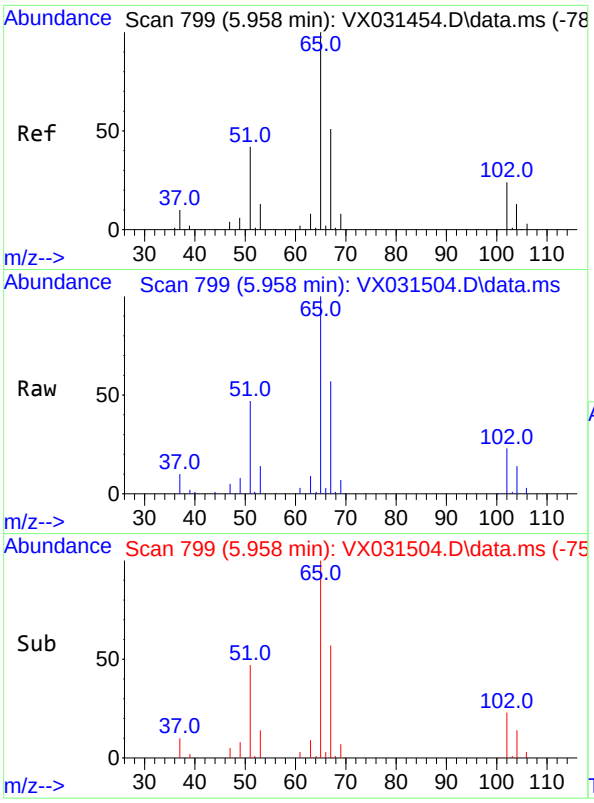




#31
Cyclohexane
Concen: 0.242 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.060 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 56 Resp: 354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 83.7 | 25.1 | 37.7# |
| 84 | 98.3 | 70.2 | 105.4 |



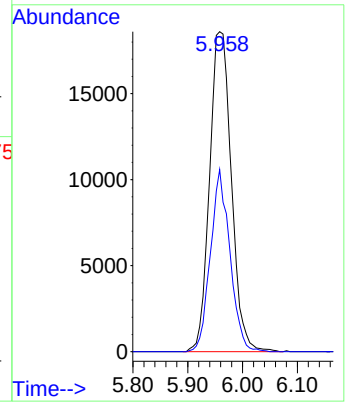


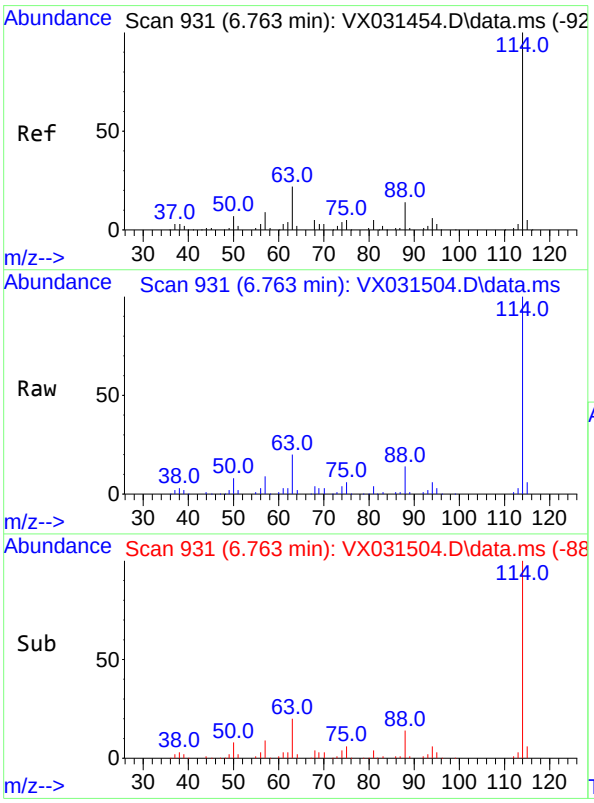

#33
1,2-Dichloroethane-d4
Concen: 52.071 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 65 Resp: 51314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 102.4 |

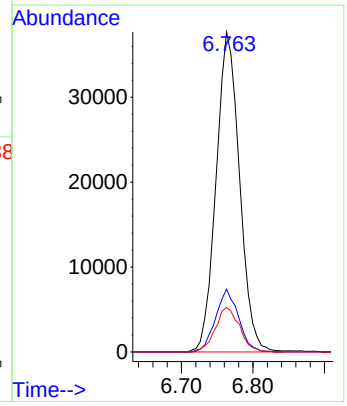


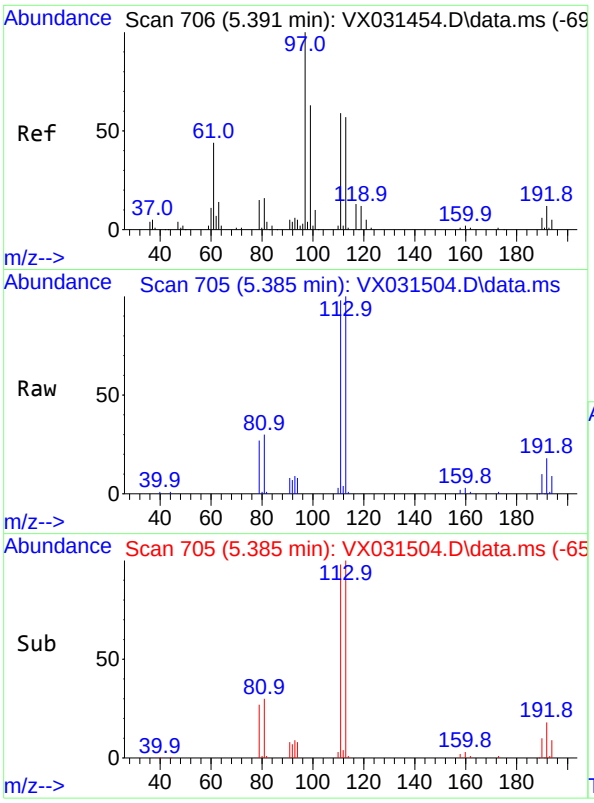




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion:114 Resp: 85667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.7 | 0.0 | 42.6 |
| 88 | 13.9 | 0.0 | 33.0 |



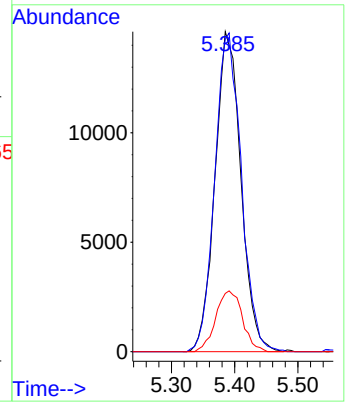


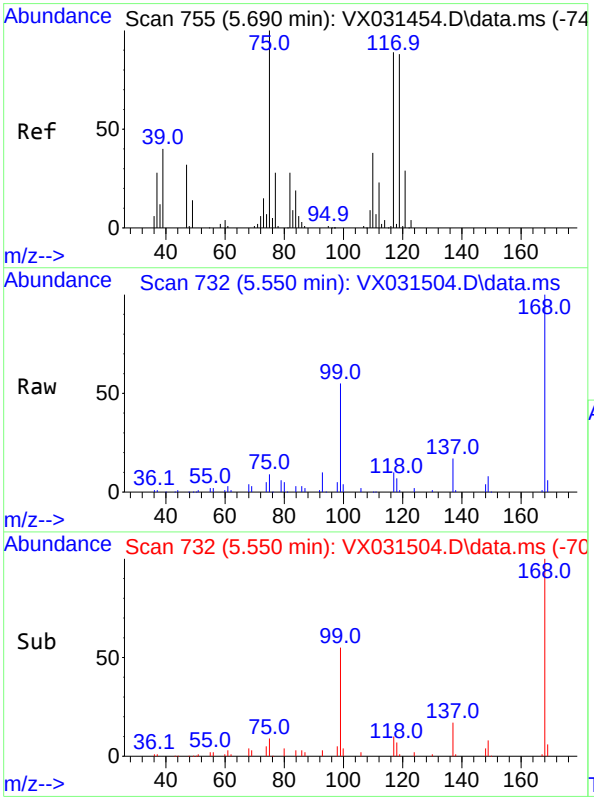

#35
Dibromofluoromethane
Concen: 46.900 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion:113 Resp: 41568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 82.4 | 123.6 |
| 192 | 19.5 | 14.1 | 21.1 |

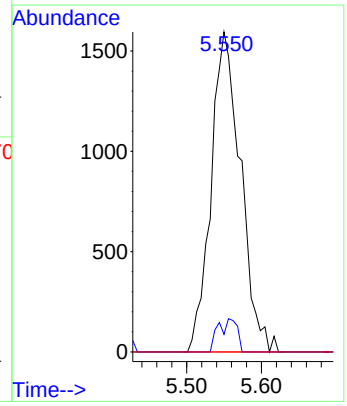


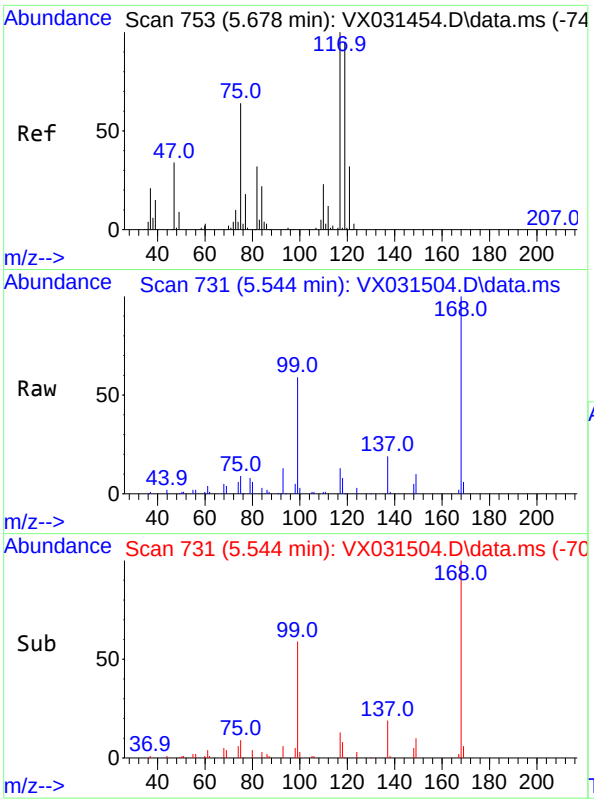




#36
1,1-Dichloropropene
Concen: 3.218 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 75 Resp: 4382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 6.6 | 17.5 | 52.5# |
| 77 | 0.0 | 24.9 | 37.3# |



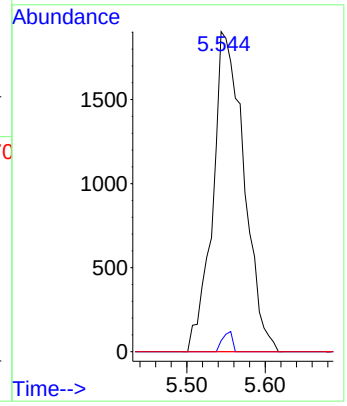


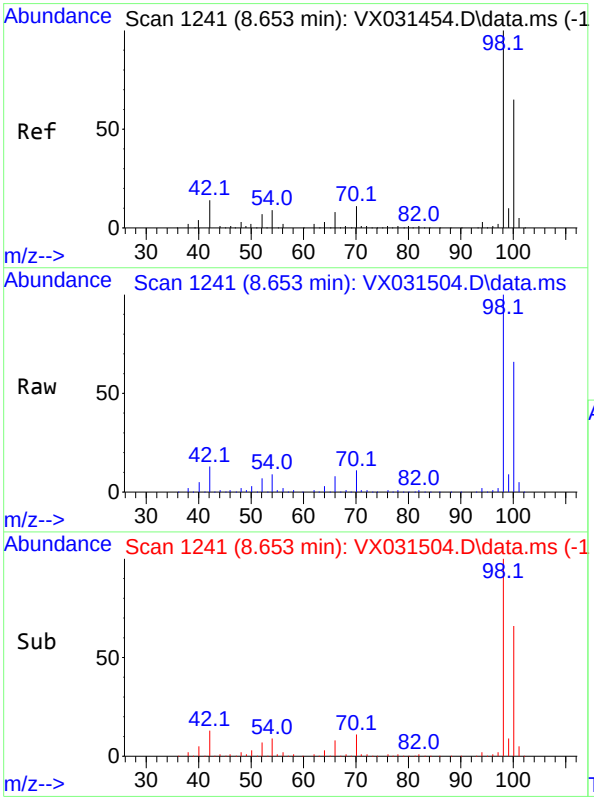

#38
Carbon Tetrachloride
Concen: 3.488 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.134 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion:117 Resp: 5265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.5 | 74.6 | 112.0# |
| 121 | 0.0 | 25.3 | 37.9# |

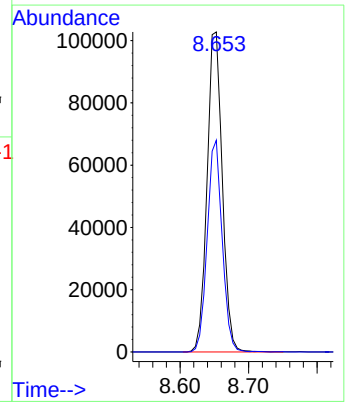


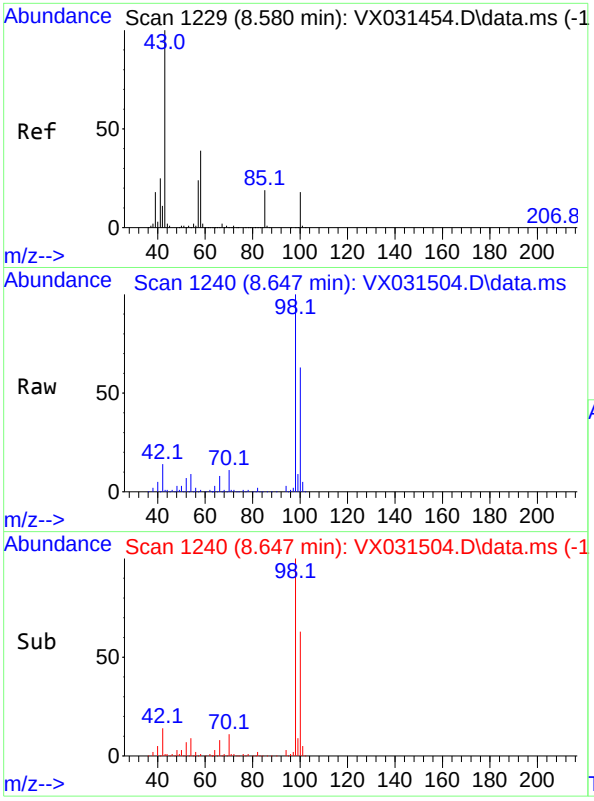




#50
Toluene-d8
Concen: 46.651 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 98 Resp: 159223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.5 | 78.7 |



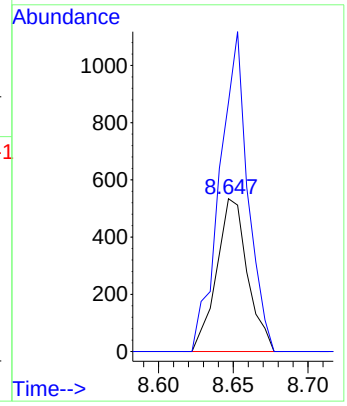


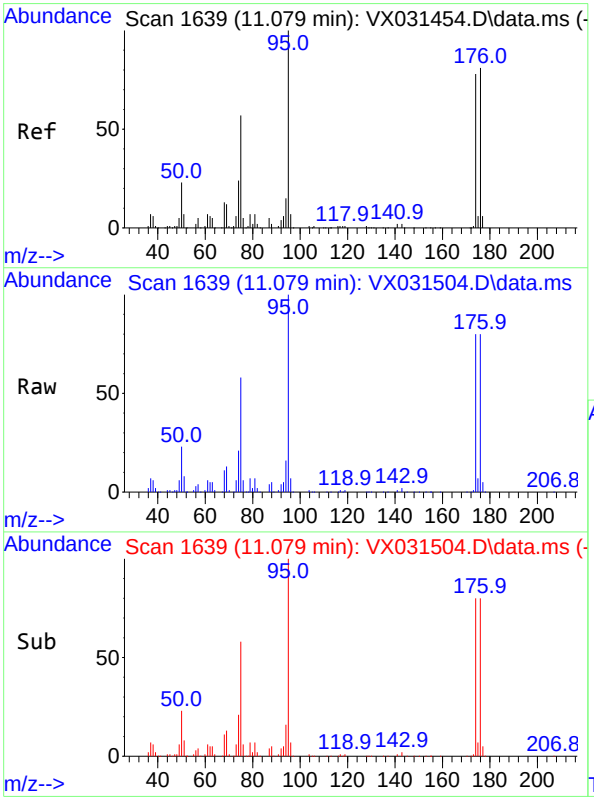

#51
4-Methyl-2-Pentanone
Concen: 0.479 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 43 Resp: 769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 190.9 | 30.6 | 46.0# |

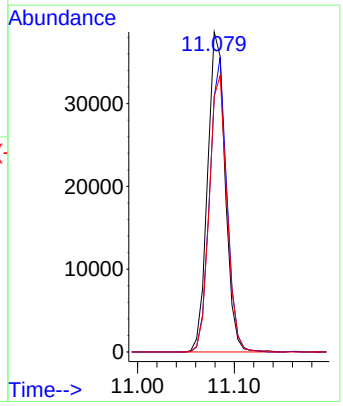


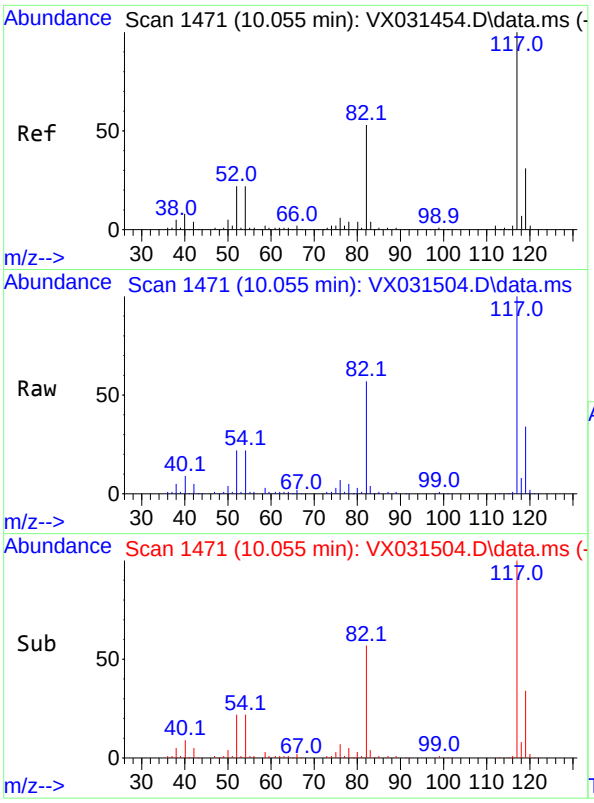




#62
4-Bromofluorobenzene
Concen: 42.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 95 Resp: 48952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.5 | 0.0 | 153.2 |
| 176 | 86.4 | 0.0 | 144.0 |



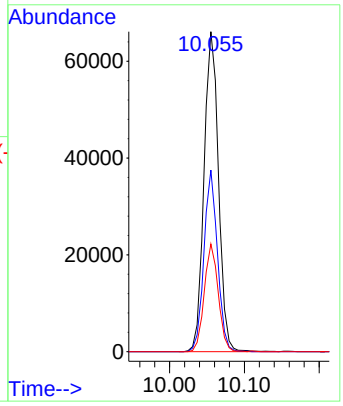


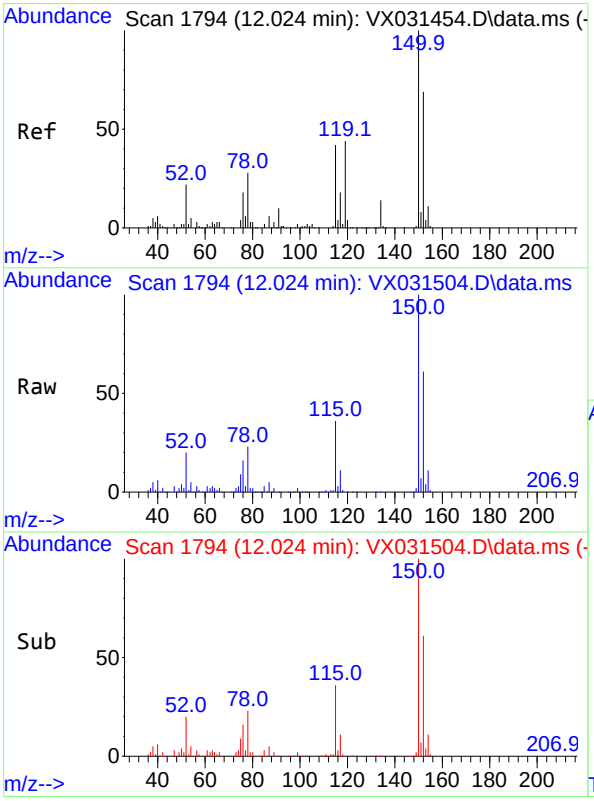

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion:117 Resp: 88737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 46.8 | 70.2 |
| 119 | 33.6 | 26.4 | 39.6 |

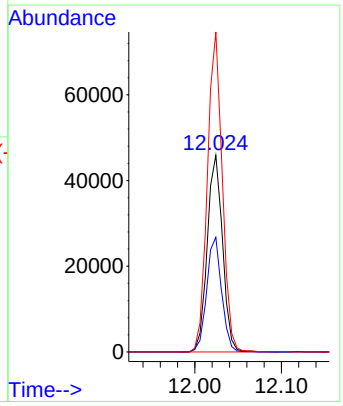


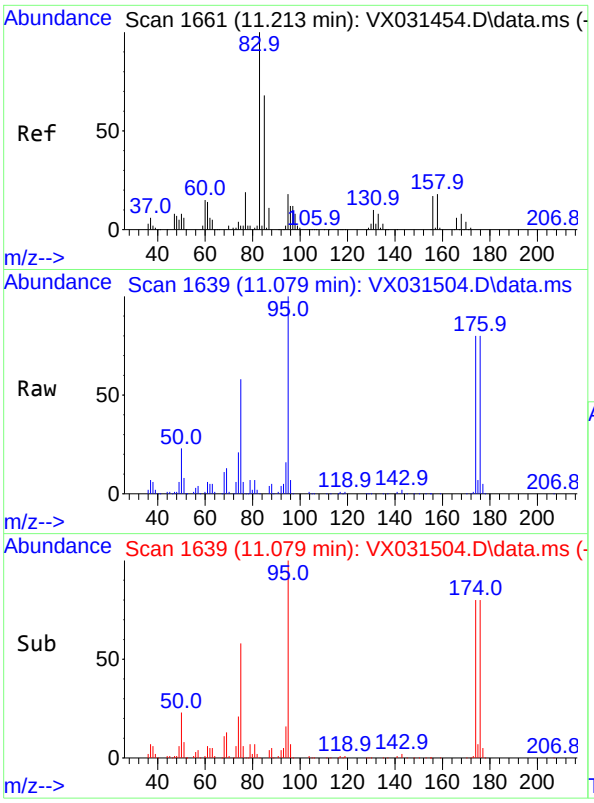




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion:152 Resp: 56377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.9 | 43.4 | 130.1 |
| 150 | 158.0 | 0.0 | 346.8 |



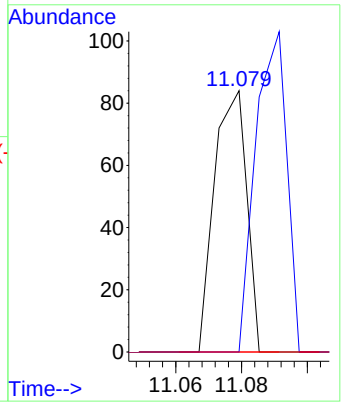


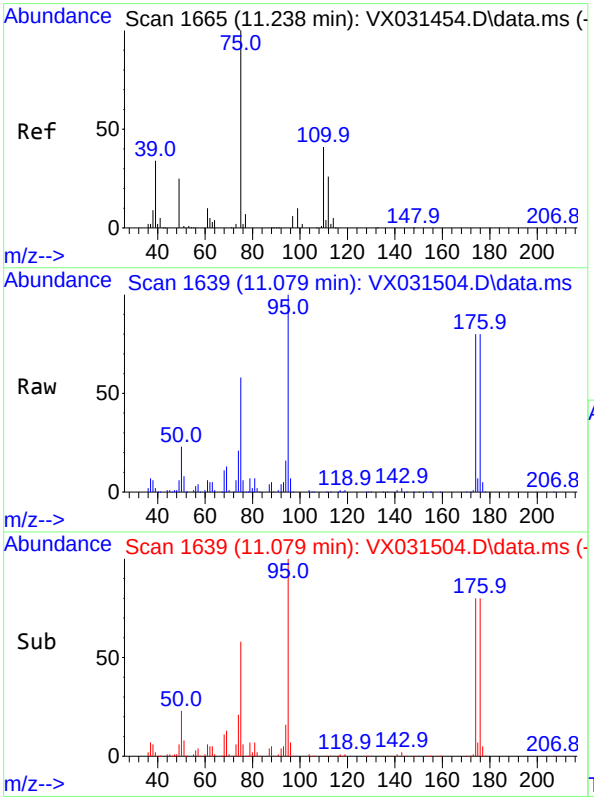

#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1
Delta R.T. -0.134 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 83 Resp: 57

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 119.3 | 5.1 | 15.4# |
| 85 | 0.0 | 32.6 | 97.8# |

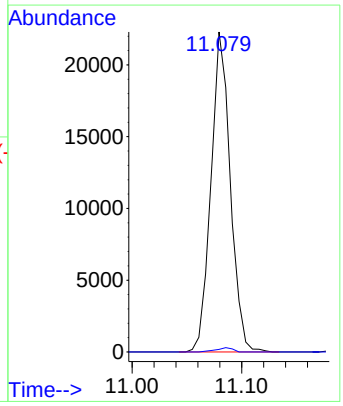


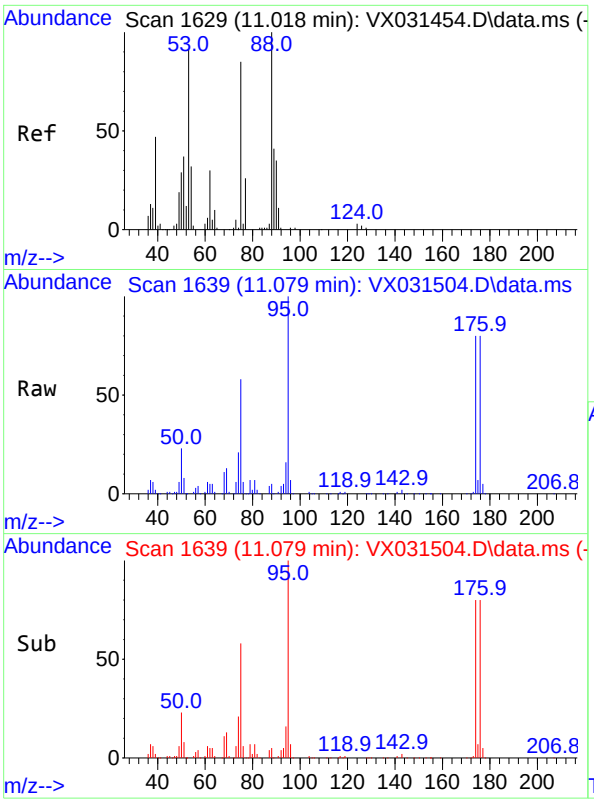




#76
1,2,3-Trichloropropane
Concen: 21.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion: 75 Resp: 27279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 20.3 | 60.9# |



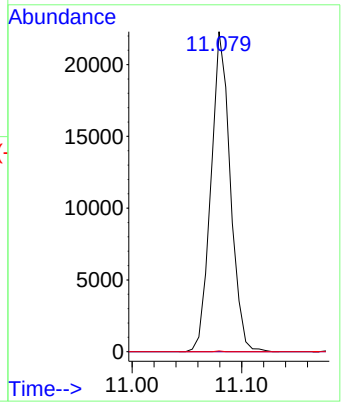


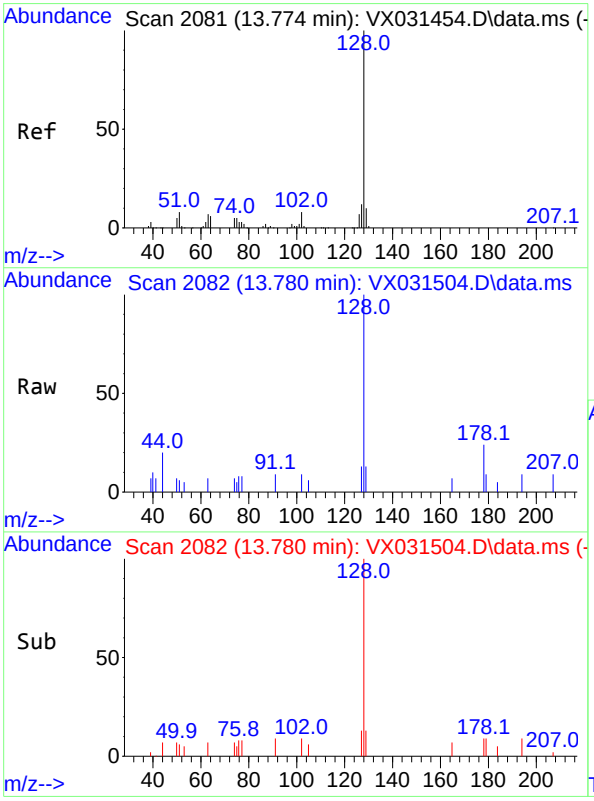

#81
trans-1,4-Dichloro-2-butene
Concen: 69.805 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

**Instrument :**
MSVOA_X
**ClientSampleId :**
VIBLK

Tgt Ion: 75 Resp: 27279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 77.6 | 116.4# |
| 89 | 0.1 | 37.4 | 56.0# |




#95
Naphthalene
Concen: 0.433 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031504.D
Acq: 20 Sep 2022 18:30

Tgt Ion:128 Resp: 1750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 10.4 | 15.6 |
| 129 | 11.6 | 8.8 | 13.2 |