Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112320\
Data File : VX019554.D
Acq On : 23 Nov 2020 16:39
Operator : JC/MD
Sample : L4798-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** 91BR-20201118

Quant Time: Nov 24 00:33:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.63 | 168 | 301219 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.83 | 114 | 490239 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 414615 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 175812 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 180397 | 46.19 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 92.38% | | | | |
| 35) Dibromofluoromethane | 5.46 | 113 | 144308 | 46.90 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 93.80% | | | | |
| 50) Toluene-d8 | 8.70 | 98 | 565105 | 47.26 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 94.52% | | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 191171 | 44.44 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 88.88% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.18 | 85 | 11052 | 3.773 | ug/l | | 96 |
| 3) Chloromethane | 1.31 | 50 | 871 | 0.259 | ug/l | # | 66 |
| 4) Vinyl Chloride | 1.39 | 62 | 302293 | 83.544 | ug/l | | 98 |
| 5) Bromomethane | 1.62 | 94 | 554 | 0.404 | ug/l | # | 76 |
| 11) Tert butyl alcohol | 3.05 | 59 | 285 | 0.386 | ug/l | # | 73 |
| 12) 1,1-Dichloroethene | 2.34 | 96 | 4632 | 1.549 | ug/l | | 91 |
| 16) Acetone | 2.43 | 43 | 1553 | 1.028 | ug/l | | 90 |
| 18) Methyl Acetate | 2.75 | 43 | 239 | 0.698 | ug/l | # | 47 |
| 21) trans-1,2-Dichloroethene | 3.14 | 96 | 4355 | 1.285 | ug/l | | 98 |
| 27) cis-1,2-Dichloroethene | 4.56 | 96 | 1445498 | 371.405 | ug/l | | 88 |
| 29) Tetrahydrofuran | 5.11 | 42 | 870 | 0.601 | ug/l | # | 80 |
| 31) Cyclohexane | 5.62 | 56 | 5516 | 1.086 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 5.62 | 75 | 22384 | 4.870 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.62 | 117 | 29026 | 6.525 | ug/l | # | 17 |
| 39) Methylcyclohexane | 7.18 | 83 | 1650 | 0.308 | ug/l | # | 1 |
| 44) Trichloroethene | 7.18 | 130 | 132778 | 35.897 | ug/l | | 93 |
| 49) 1,4-Dioxane | 7.73 | 88 | 53 | 0.687 | ug/l | # | 1 |
| 70) Styrene | 10.70 | 104 | 73 | 1.653 | ug/l | # | 45 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 94748 | 24.694 | ug/l | # | 37 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 94748 | 65.284 | ug/l | # | 12 |
| 95) Naphthalene | 13.82 | 128 | 218 | 2.194 | ug/l | # | 69 |

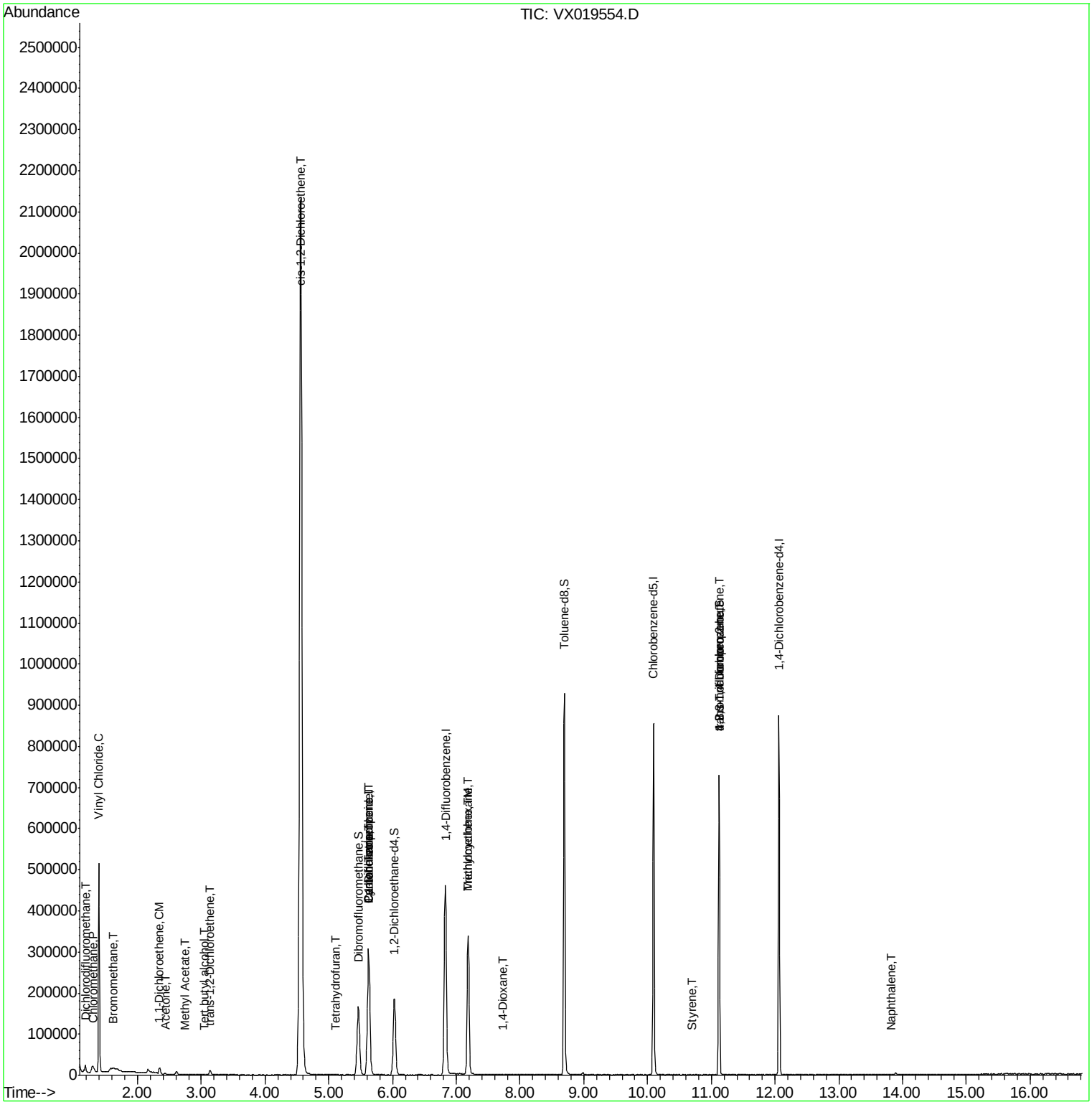
(#) = qualifier out of range (m) = manual integration (+) = signals summed

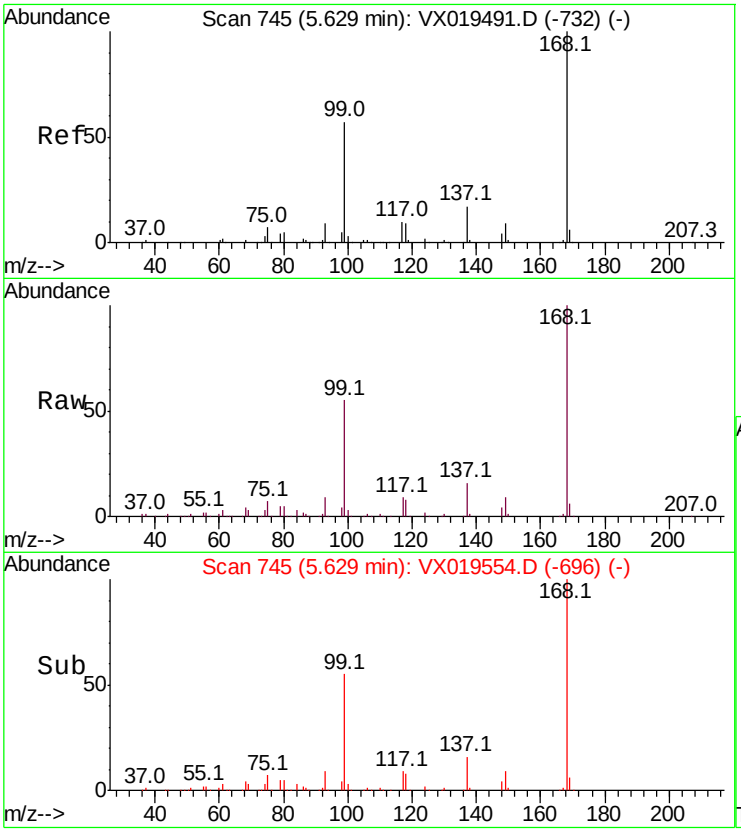
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112320\
Data File : VX019554.D
Acq On : 23 Nov 2020 16:39
Operator : JC/MD
Sample : L4798-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Quant Time: Nov 24 00:33:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration



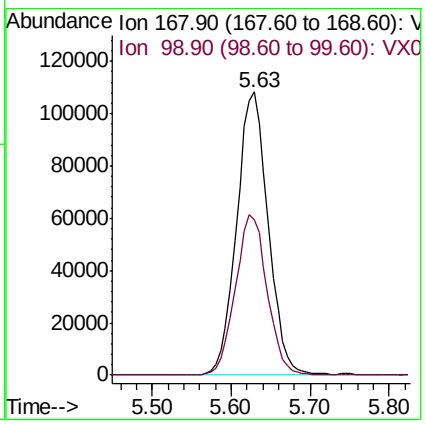


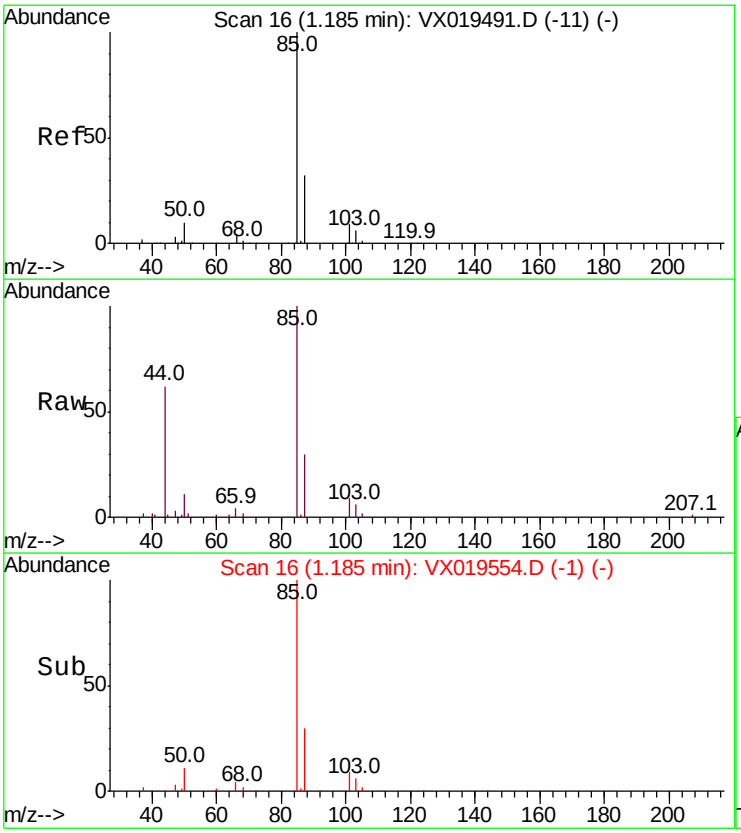

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion:168 Resp: 301219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 54.8 | 45.8 | 68.6 |

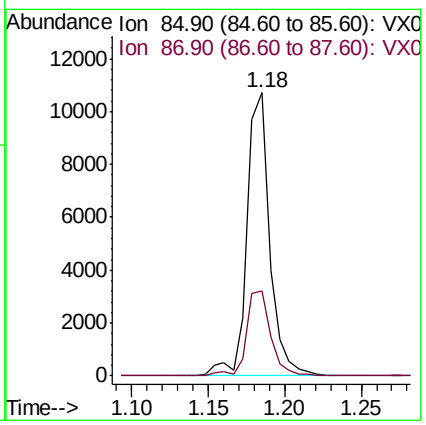


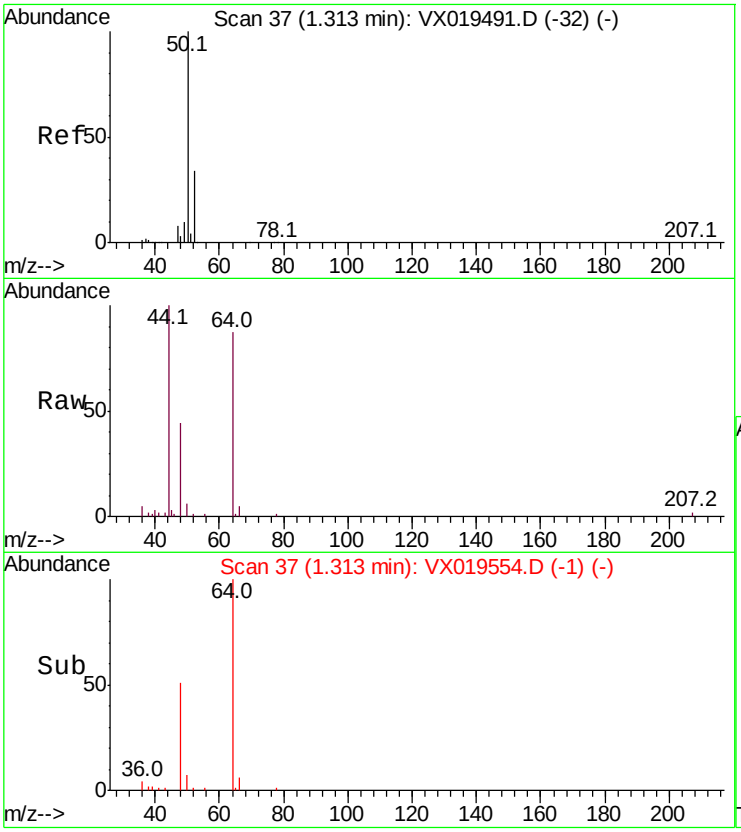




#2
Dichlorodifluoromethane
Concen: 3.773 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 85 Resp: 11052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.9 | 16.0 | 47.9 |



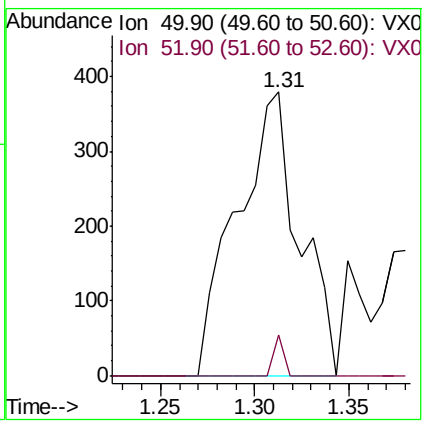


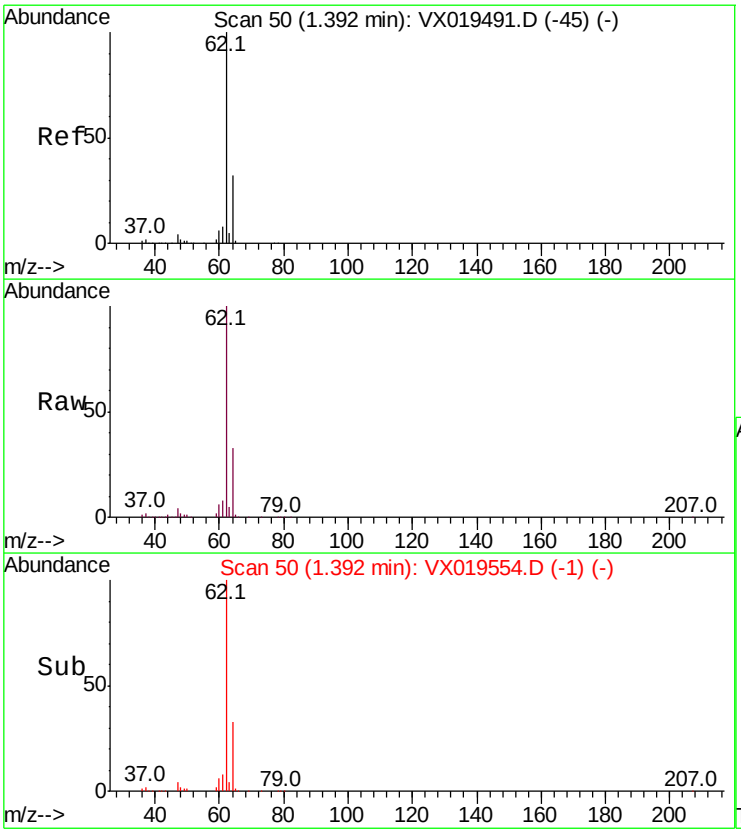

#3
Chloromethane
Concen: 0.259 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion: 50 Resp: 871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 14.2 | 27.0 | 40.6# |

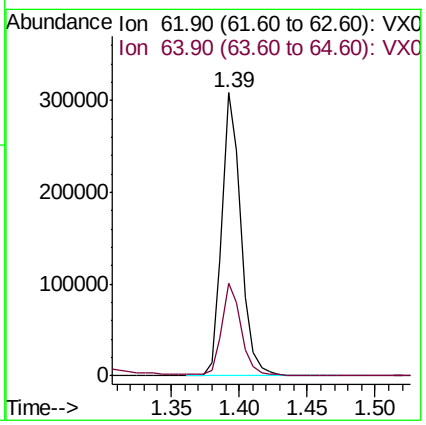


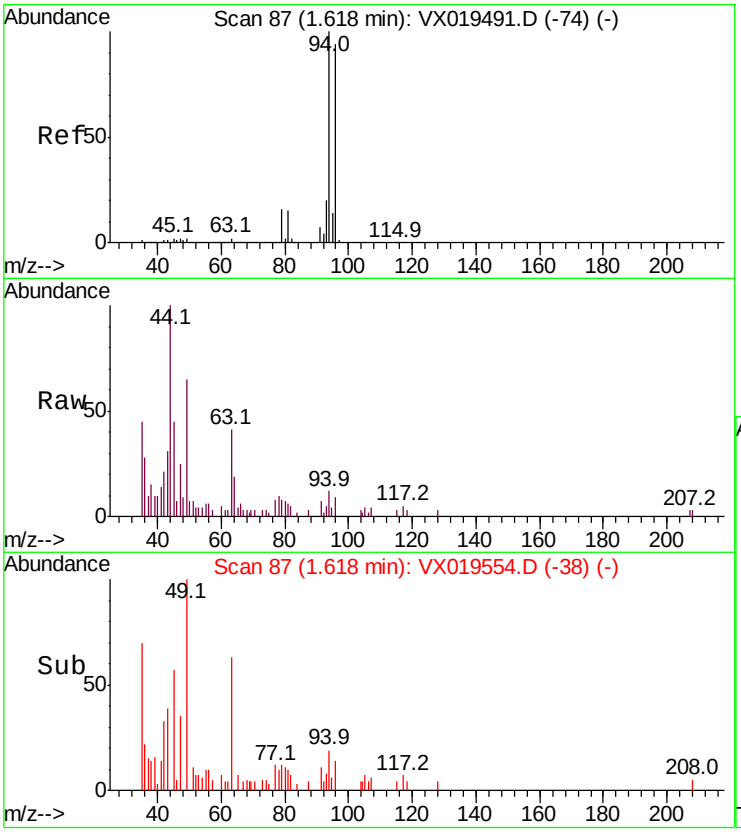




#4
Vinyl Chloride
Concen: 83.544 ug/l
RT: 1.39 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 62 Resp: 302293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 25.4 | 38.2 |



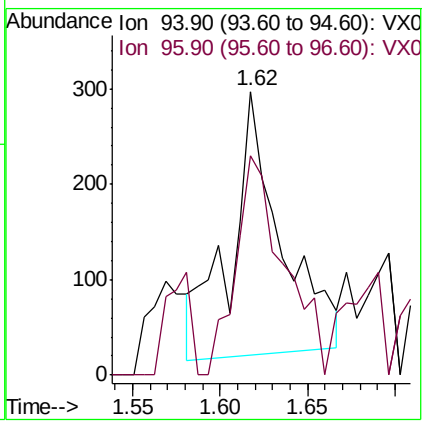


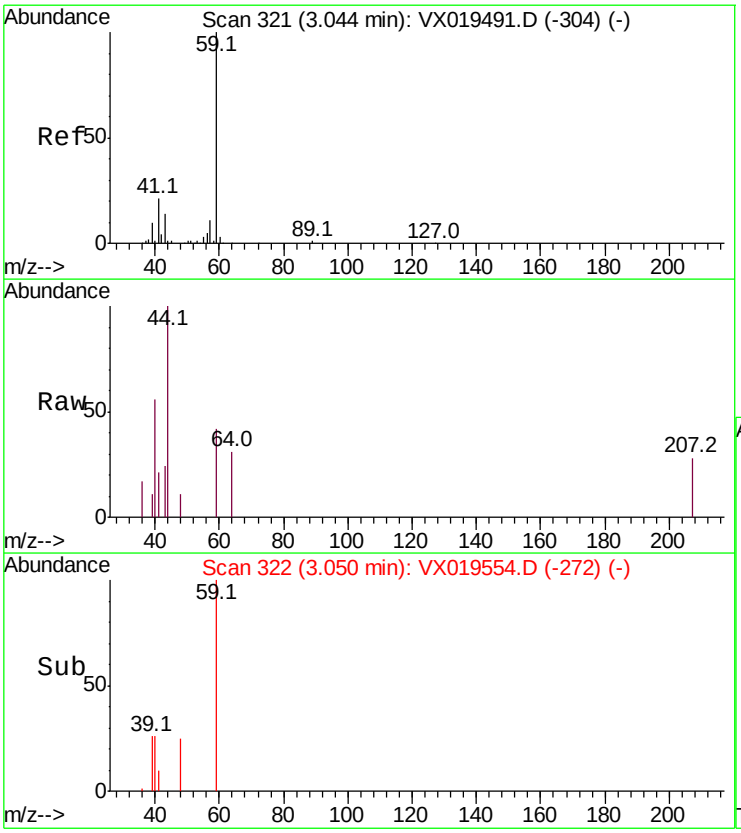

#5
Bromomethane
Concen: 0.404 ug/l
RT: 1.62 min Scan# 87
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion: 94 Resp: 554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 71.7 | 75.6 | 113.4# |

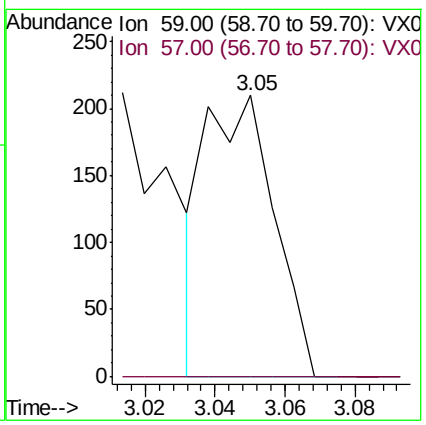


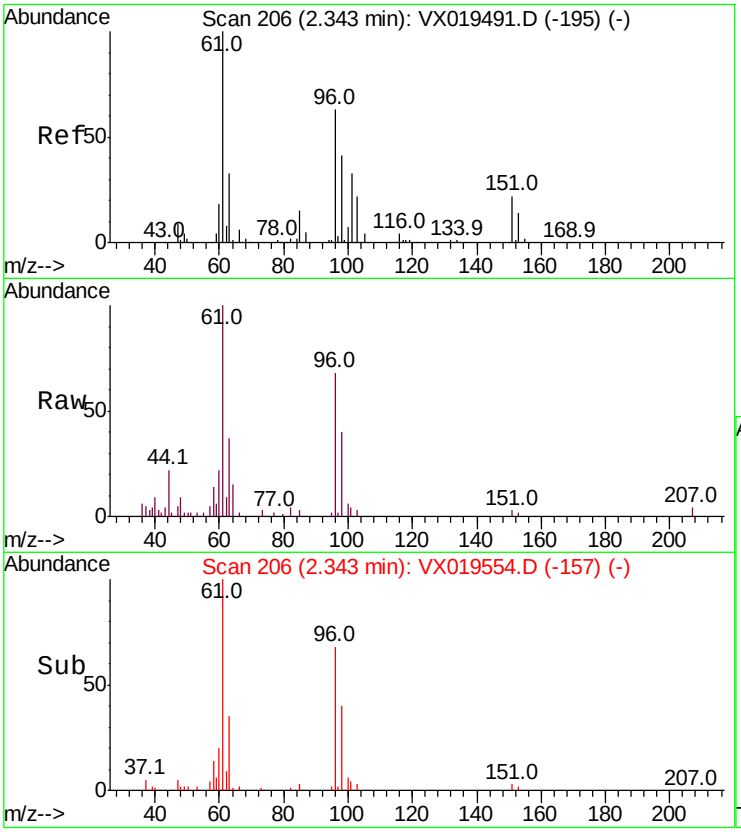




#11
Tert butyl alcohol
Concen: 0.386 ug/l
RT: 3.05 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 59 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.9 | 11.9# |



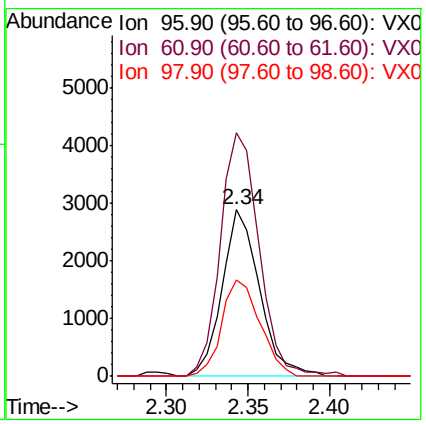


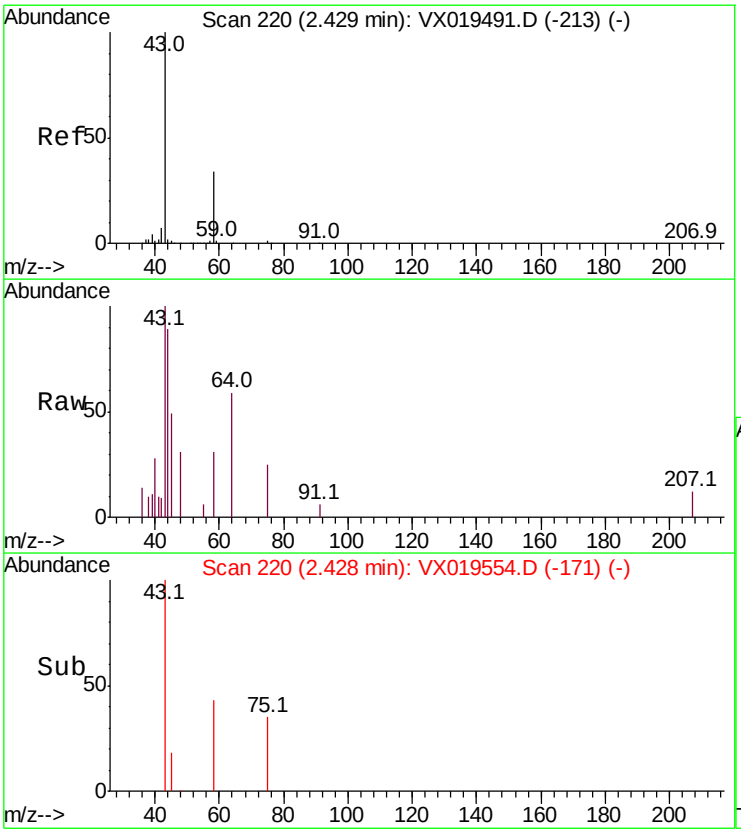

#12
1,1-Dichloroethene
Concen: 1.549 ug/l
RT: 2.34 min Scan# 206
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :** MSVOA_X
**ClientSampleId :** 91BR-20201118

Tgt Ion: 96 Resp: 4632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.2 | 126.0 | 189.0 |
| 98 | 58.1 | 52.0 | 78.0 |

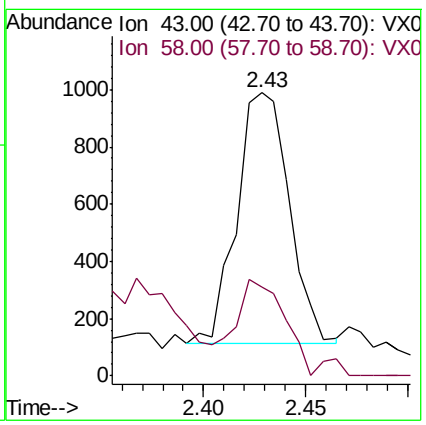


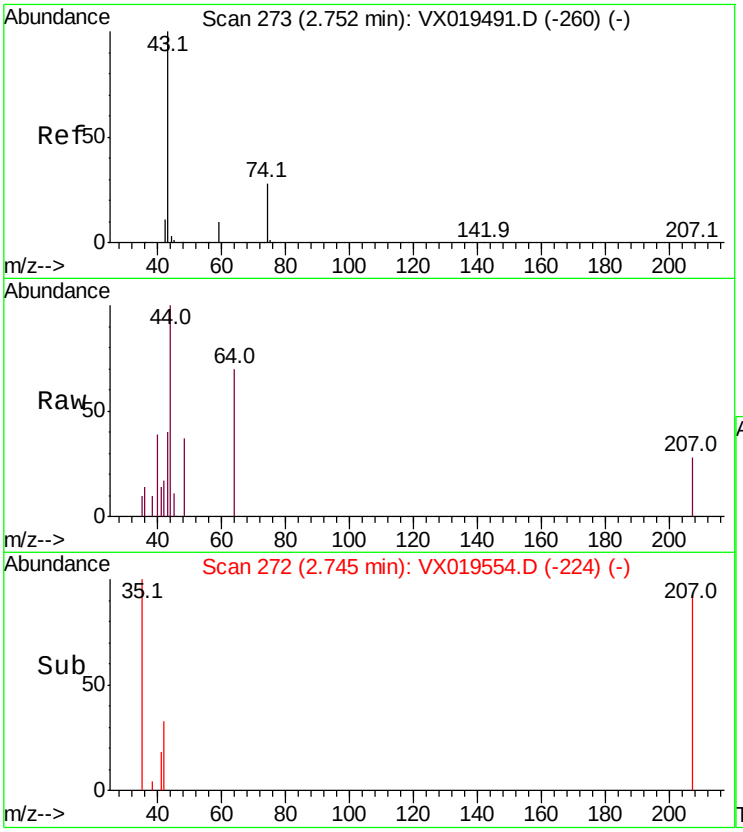




#16
Acetone
Concen: 1.028 ug/l
RT: 2.43 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 43 Resp: 1553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 27.4 | 41.2 |



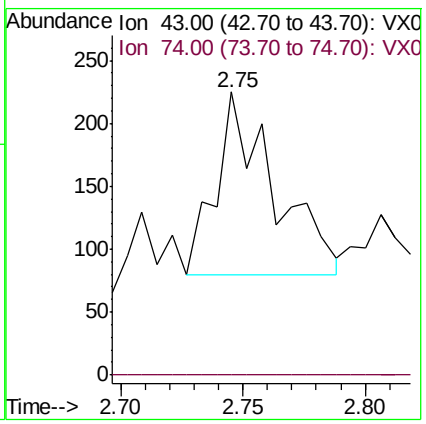


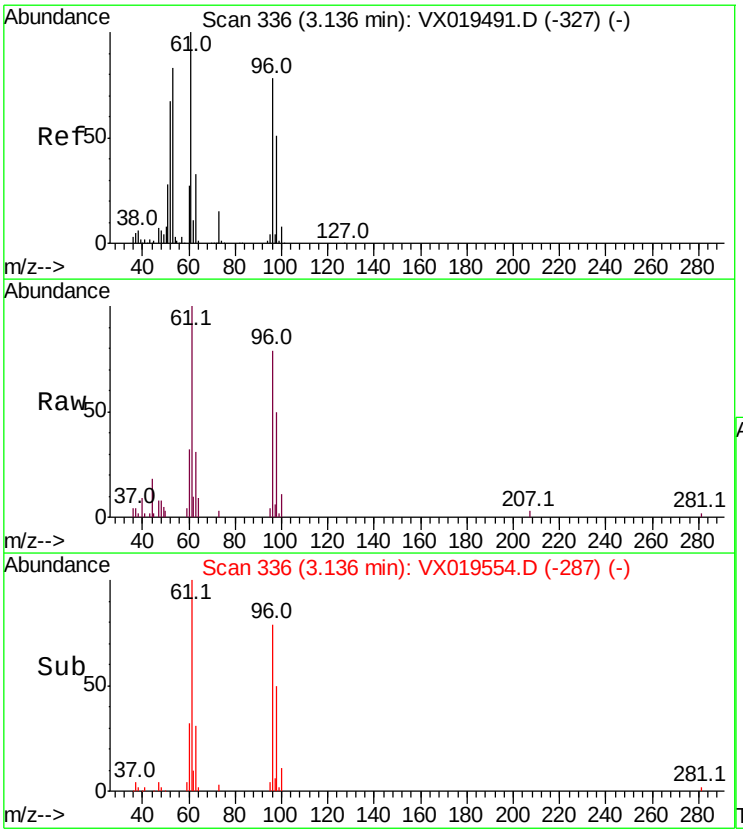

#18
Methyl Acetate
Concen: 0.698 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :** MSVOA_X
**ClientSampleId :** 91BR-20201118

Tgt Ion: 43 Resp: 239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 22.2 | 33.4# |

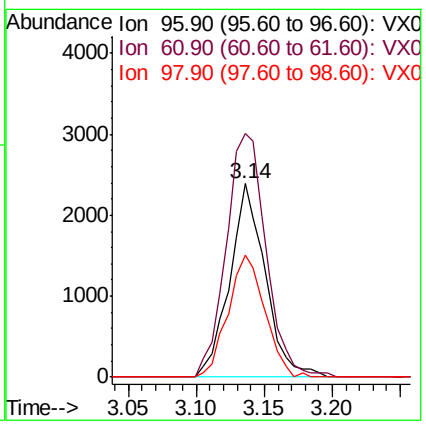


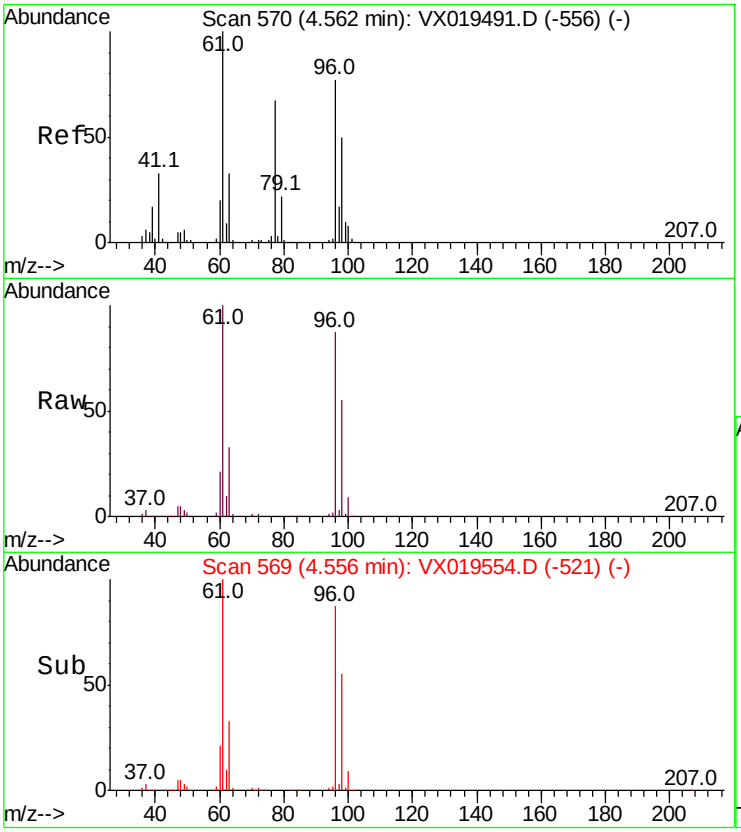




#21
trans-1,2-Dichloroethene
Concen: 1.285 ug/l
RT: 3.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 96 Resp: 4355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.1 | 102.9 | 154.3 |
| 98 | 62.9 | 52.1 | 78.1 |



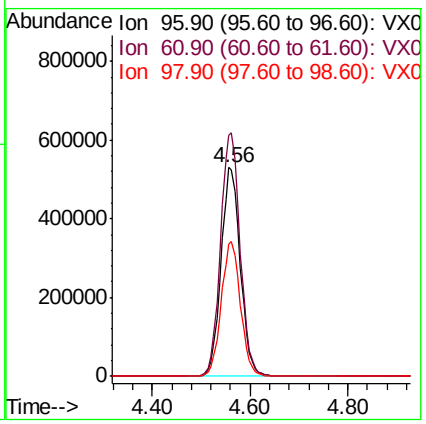


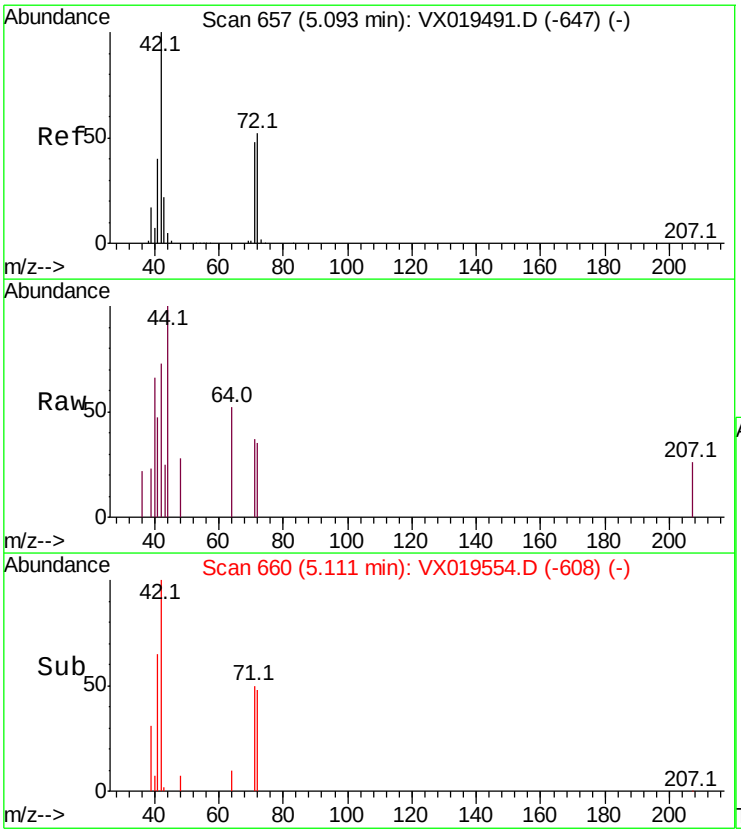

#27
cis-1,2-Dichloroethene
Concen: 371.405 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion: 96 Resp: 1445498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.6 | 0.0 | 279.2 |
| 98 | 64.3 | 0.0 | 129.8 |

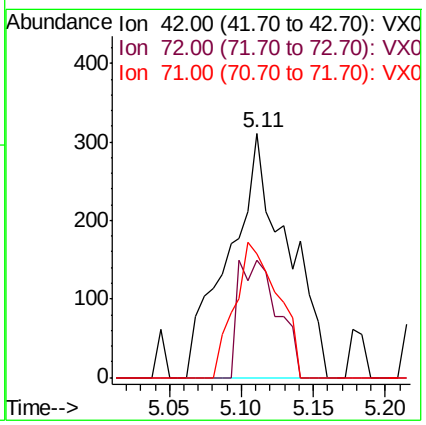


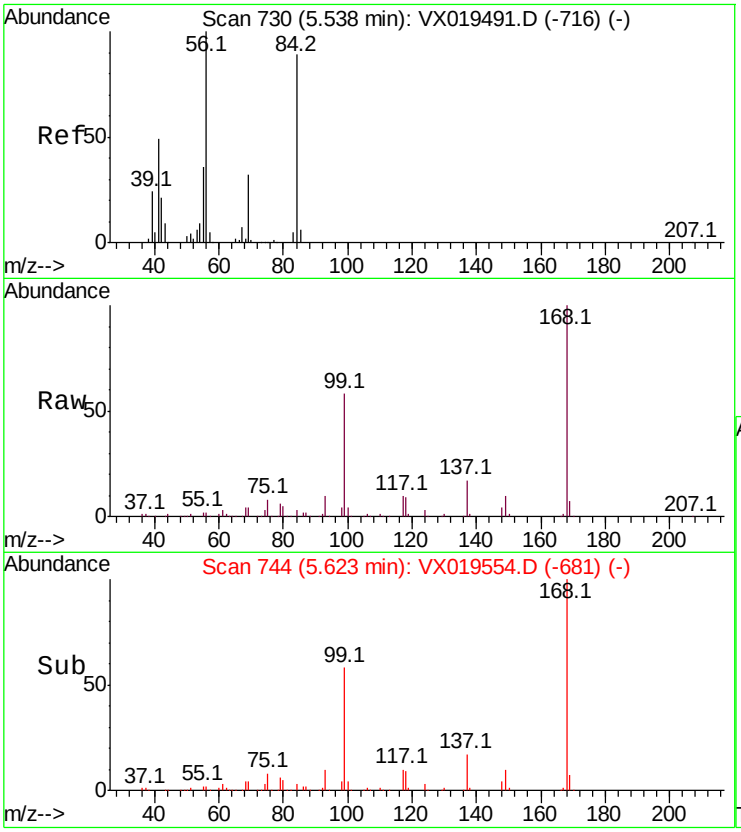




#29
Tetrahydrofuran
Concen: 0.601 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 42 Resp: 870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 32.5 | 42.6 | 63.8# |
| 71 | 41.3 | 39.0 | 58.6 |



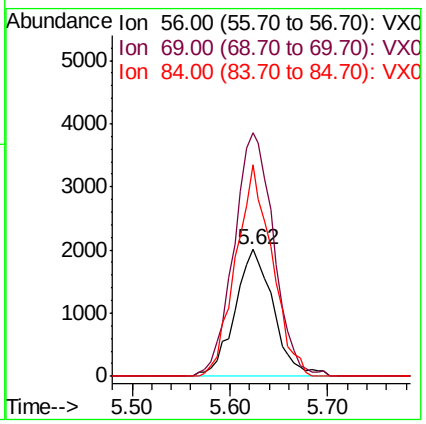


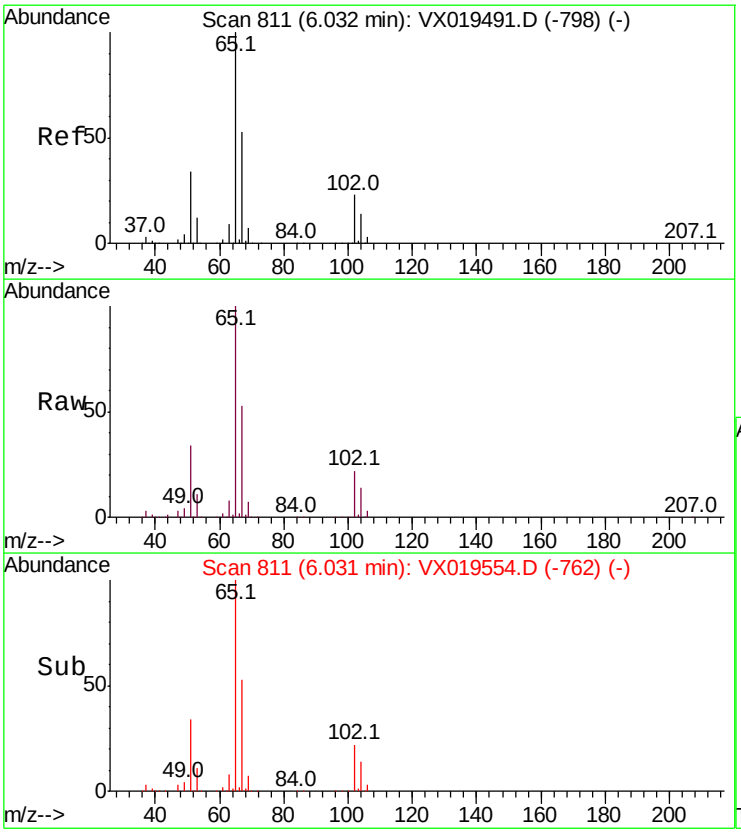

#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :** MSVOA_X
**ClientSampleId :** 91BR-20201118

Tgt Ion: 56 Resp: 5516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 191.9 | 25.5 | 38.3# |
| 84 | 166.6 | 71.1 | 106.7# |

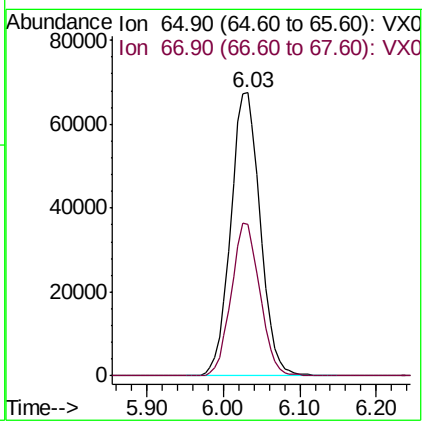


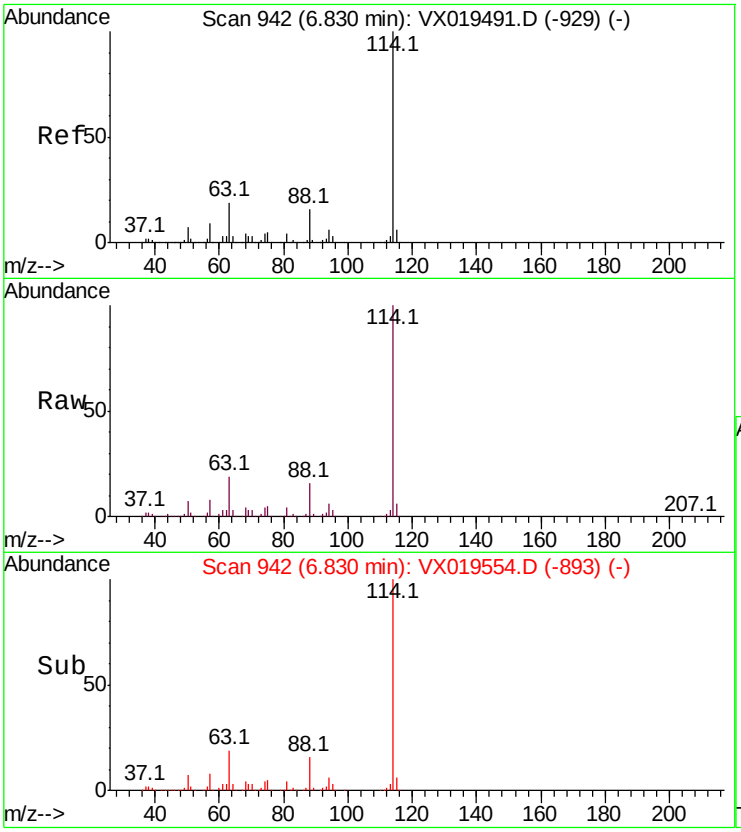




#33
1,2-Dichloroethane-d4
Concen: 46.190 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 65 Resp: 180397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 105.0 |



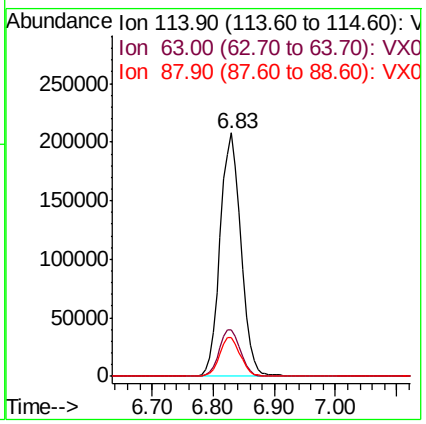


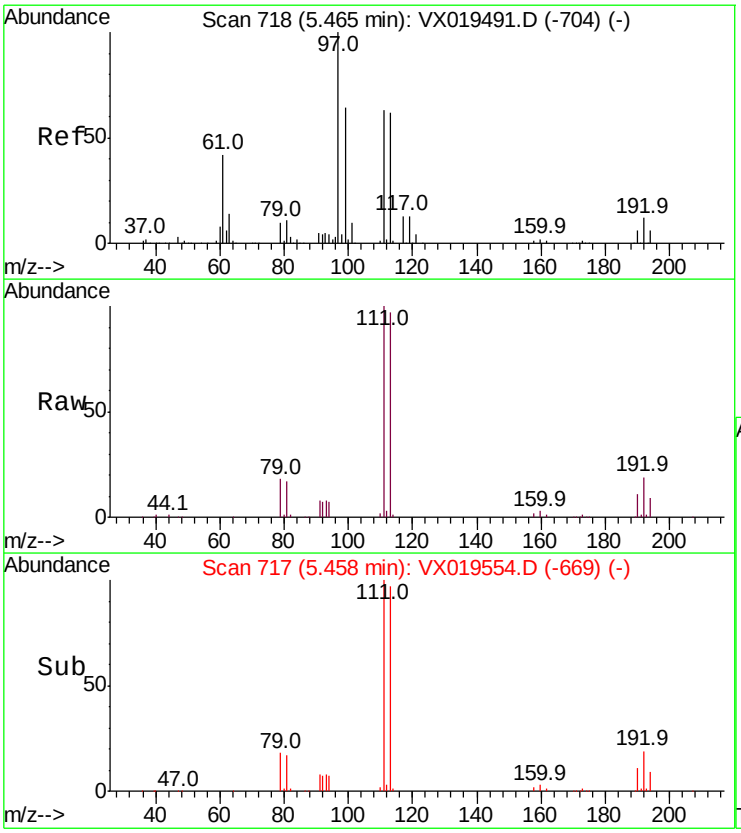

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion:114 Resp: 490239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 38.8 |
| 88 | 15.9 | 0.0 | 31.6 |

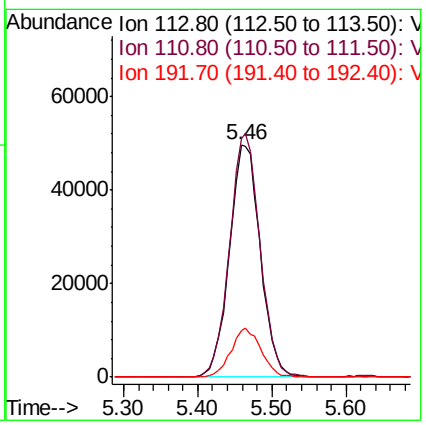


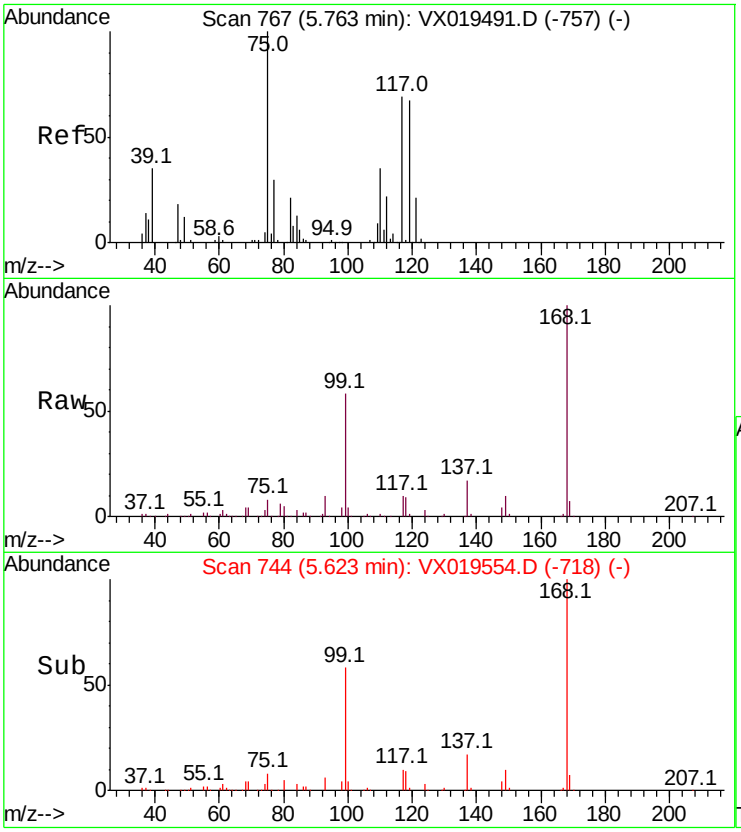




#35
Dibromofluoromethane
Concen: 46.895 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion:113 Resp: 144308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 81.5 | 122.3 |
| 192 | 20.6 | 16.2 | 24.2 |



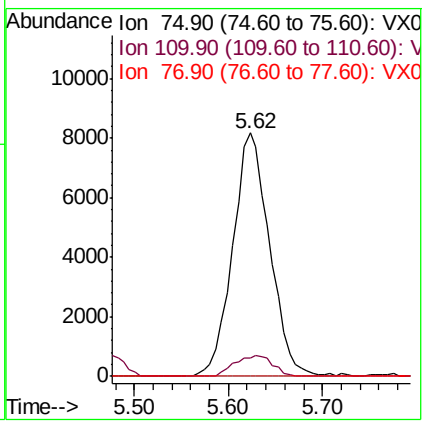


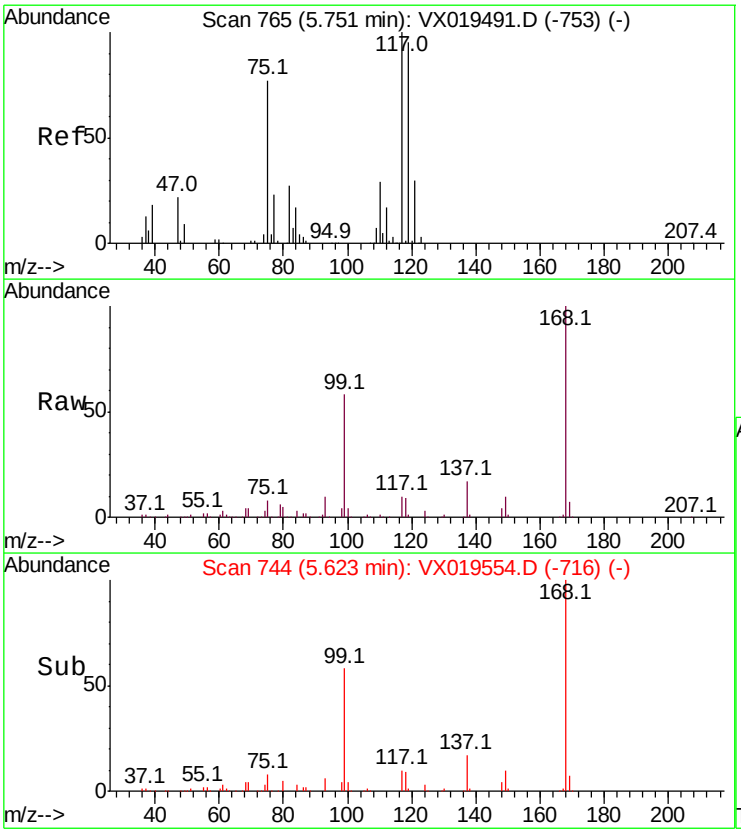

#36
1,1-Dichloropropene
Concen: 4.870 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.14 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion: 75 Resp: 22384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.8 | 18.1 | 54.3# |
| 77 | 0.0 | 24.2 | 36.4# |

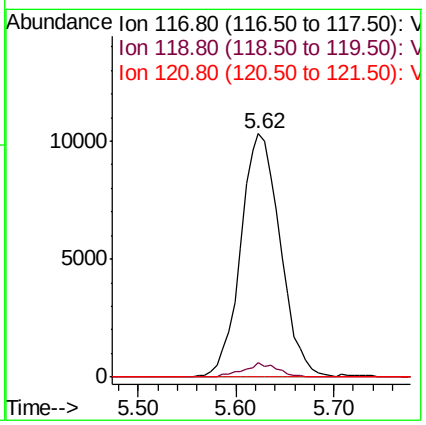


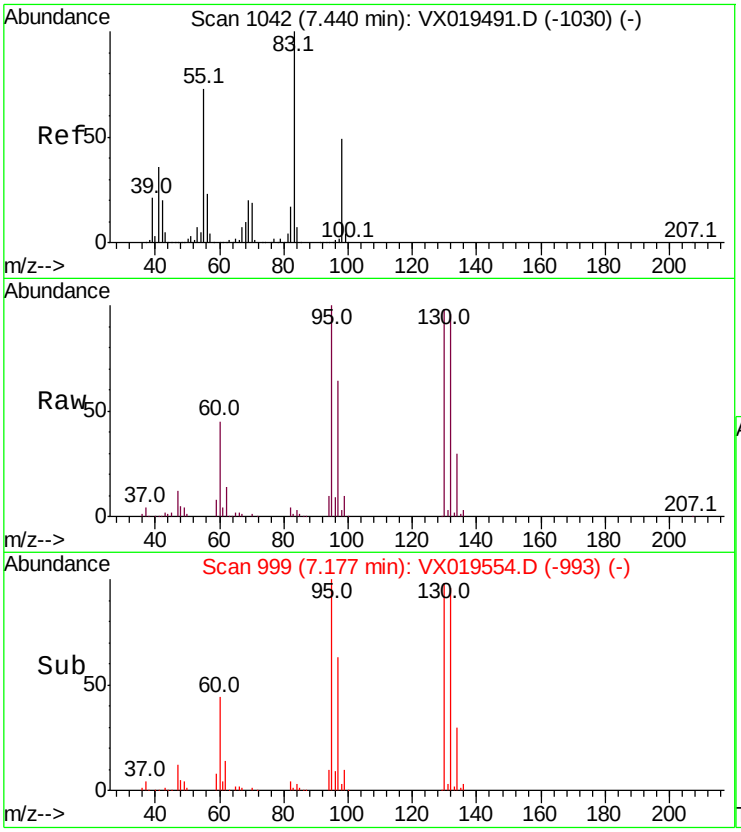




#38
Carbon Tetrachloride
Concen: 6.525 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion:117 Resp: 29026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.1 | 75.9 | 113.9# |
| 121 | 0.0 | 24.0 | 36.0# |



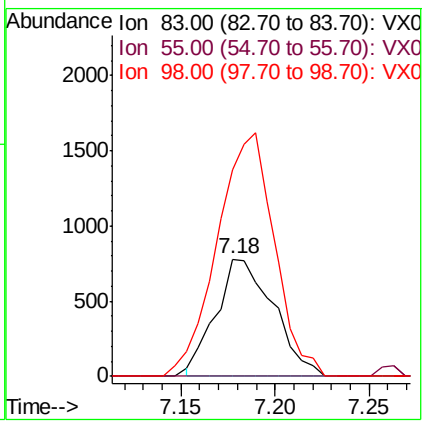


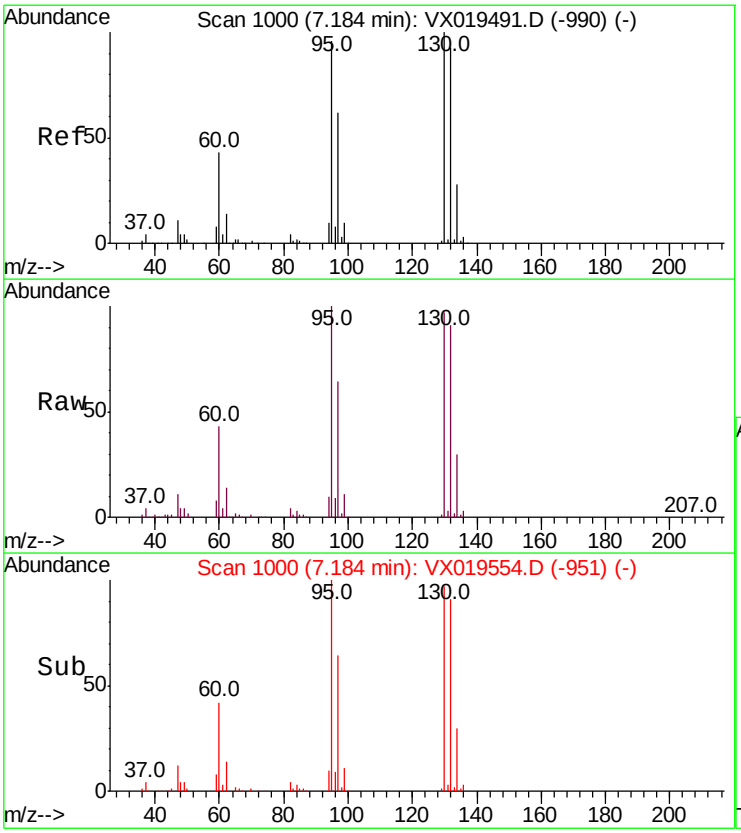

#39
Methylcyclohexane
Concen: 0.308 ug/l
RT: 7.18 min Scan# 999
Delta R.T. -0.26 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :** MSVOA_X
**ClientSampleId :** 91BR-20201118

Tgt Ion: 83 Resp: 1650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 58.3 | 87.5# |
| 98 | 177.2 | 38.9 | 58.3# |

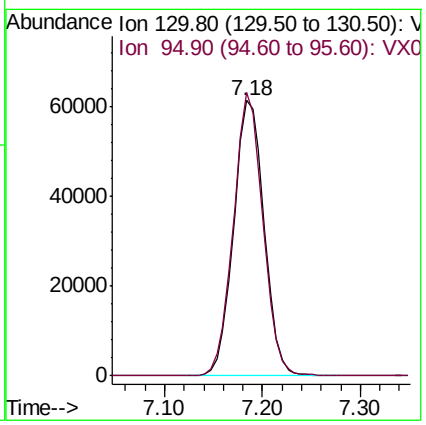


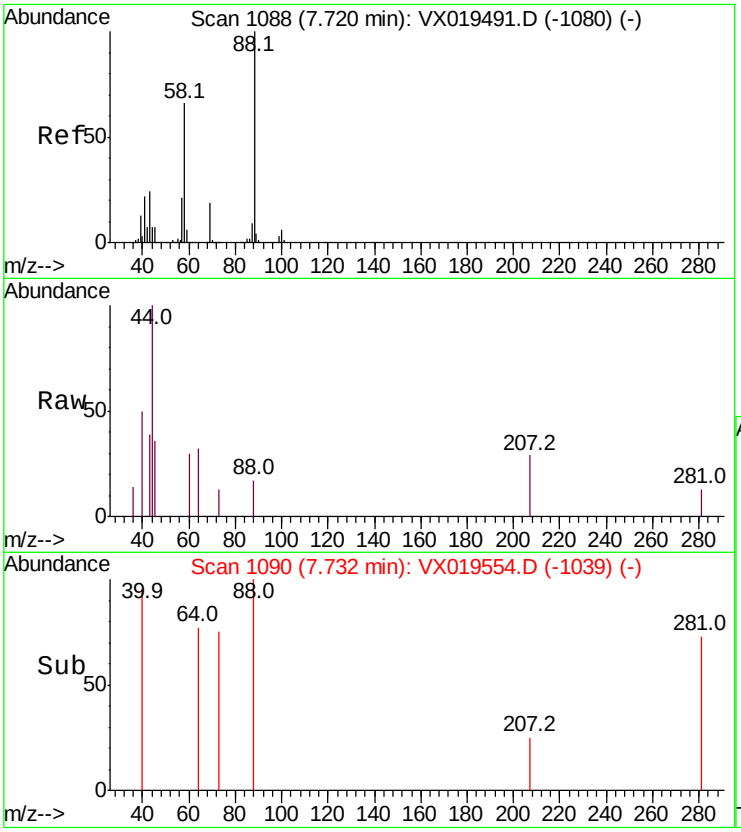




#44
Trichloroethene
Concen: 35.897 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion:130 Resp: 132778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.8 | 0.0 | 191.2 |



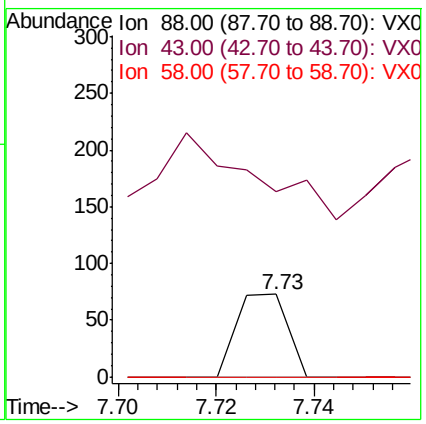


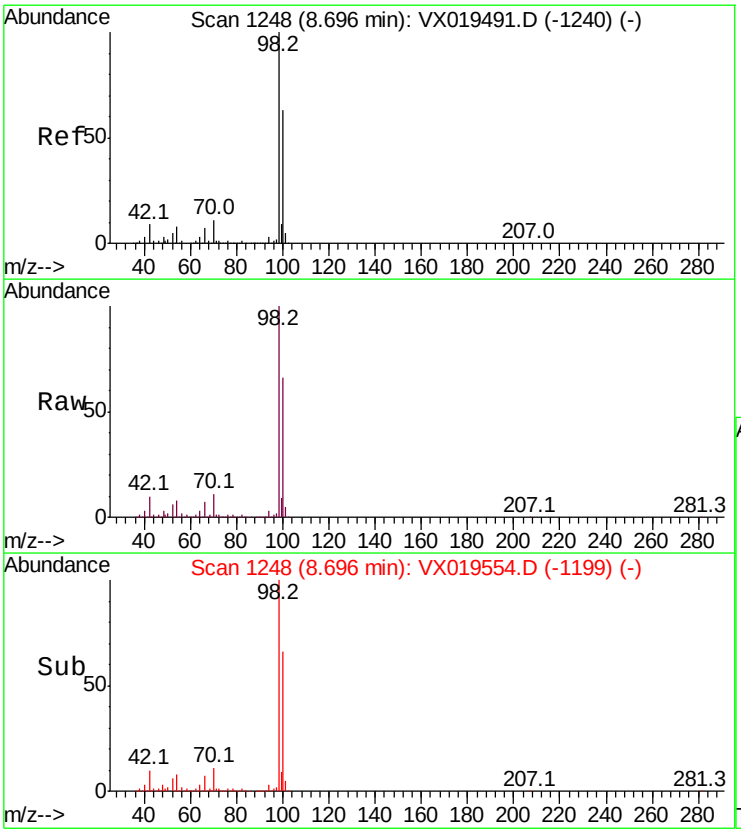

#49
1,4-Dioxane
Concen: 0.687 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion: 88 Resp: 53

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 179.2 | 23.8 | 35.6# |
| 58 | 0.0 | 54.2 | 81.2# |

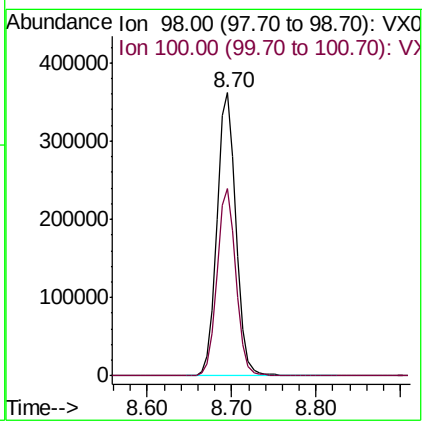


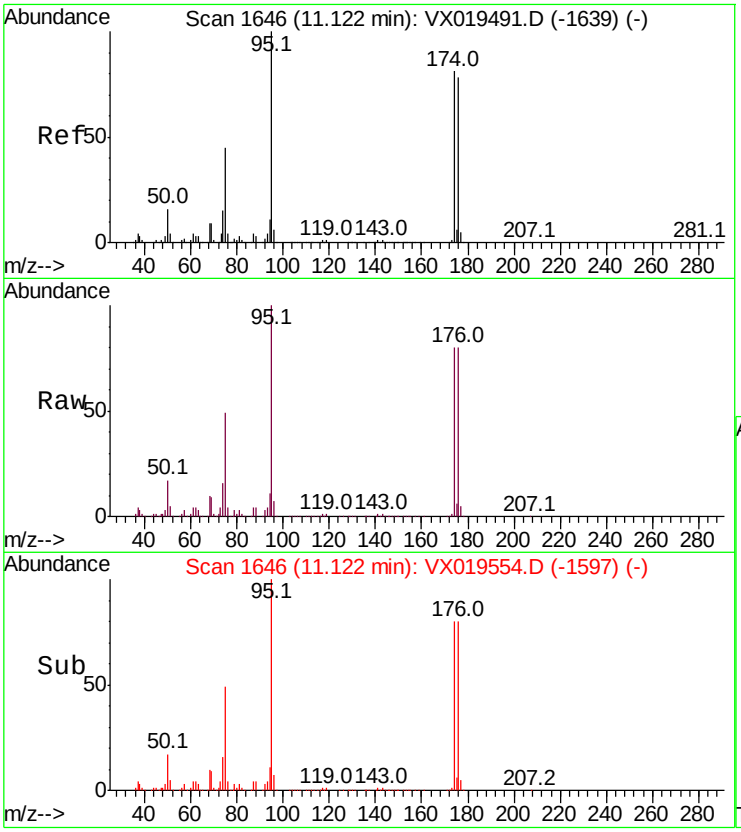




#50
Toluene-d8
Concen: 47.258 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 98 Resp: 565105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.8 | 52.4 | 78.6 |



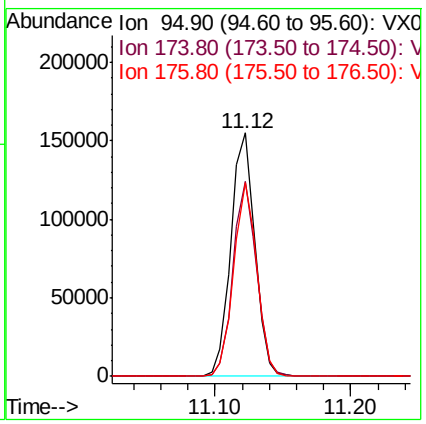


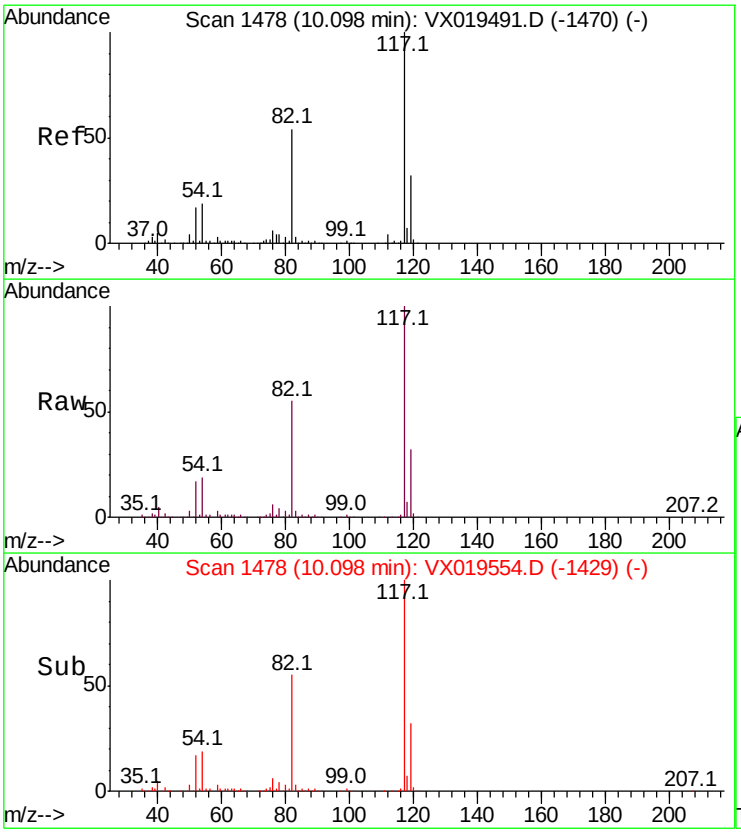

#62
4-Bromofluorobenzene
Concen: 44.435 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion: 95 Resp: 191171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 156.2 |
| 176 | 76.8 | 0.0 | 151.4 |

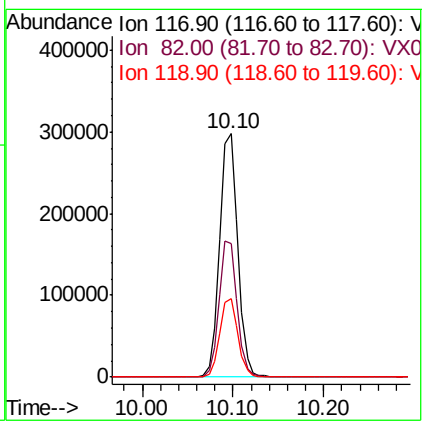


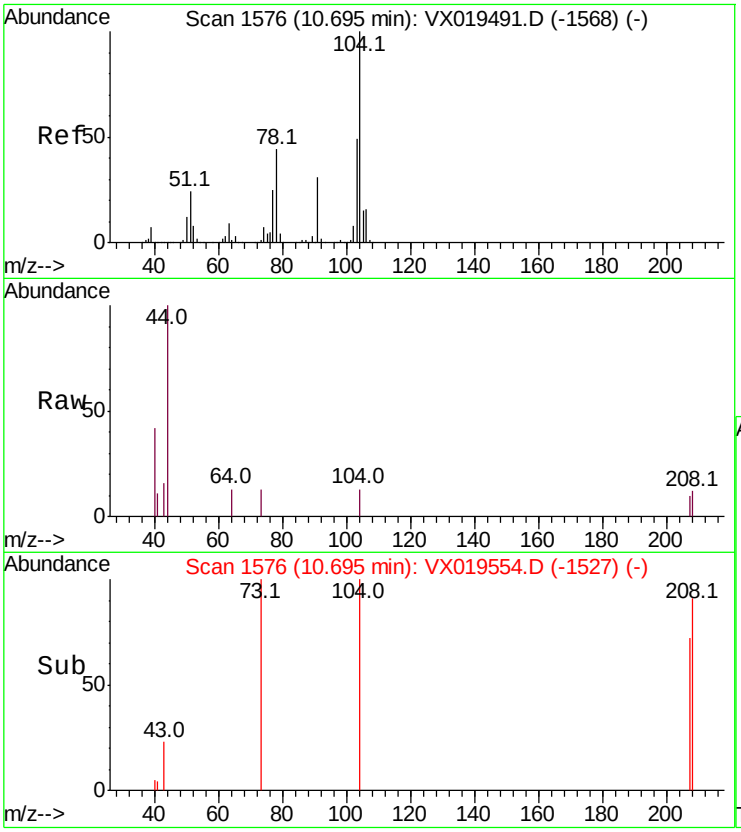




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion:117 Resp: 414615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 43.0 | 64.4 |
| 119 | 32.1 | 25.6 | 38.4 |



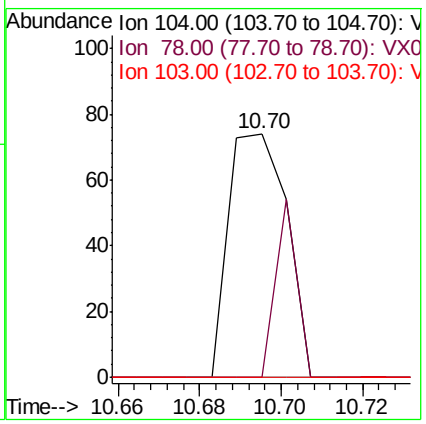


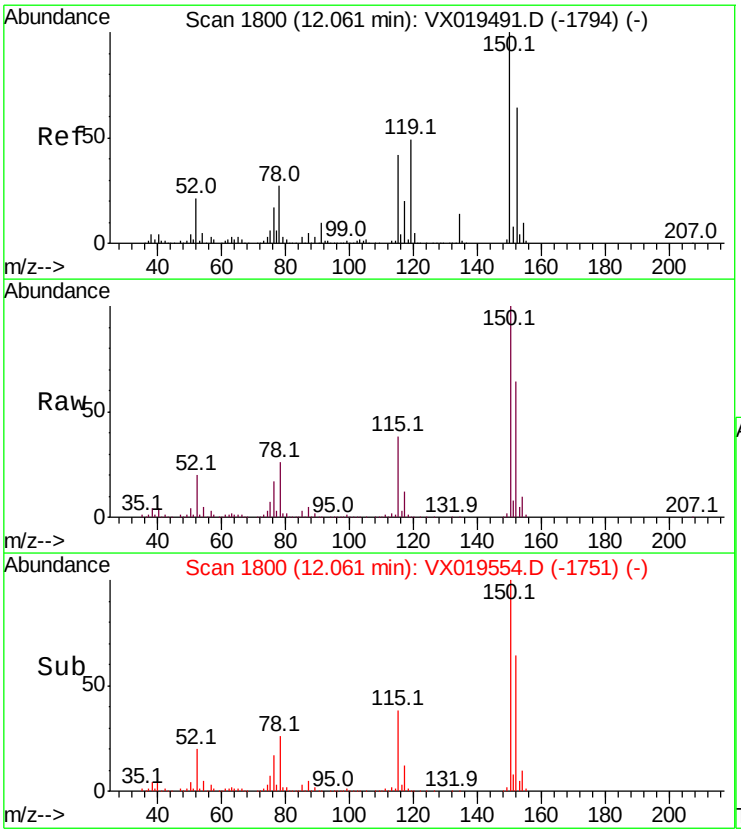

#70
Stvrene
Concen: 1.653 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion:104 Resp: 73

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 27.4 | 39.5 | 59.3# |
| 103 | 0.0 | 43.6 | 65.4# |

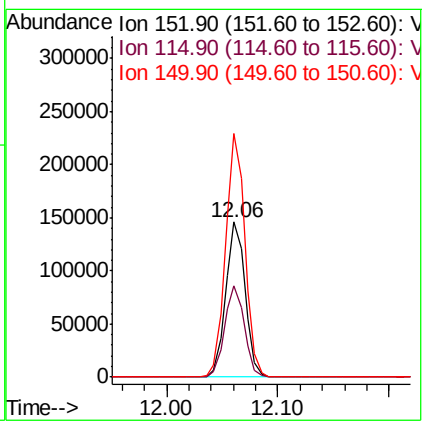


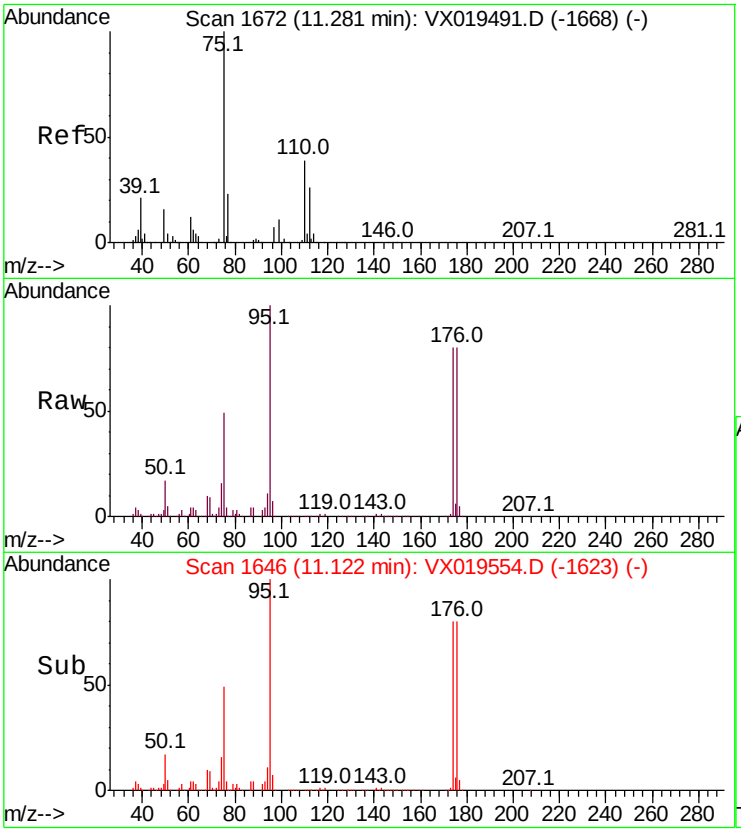




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion:152 Resp: 175812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.6 | 41.8 | 125.4 |
| 150 | 156.4 | 0.0 | 348.2 |



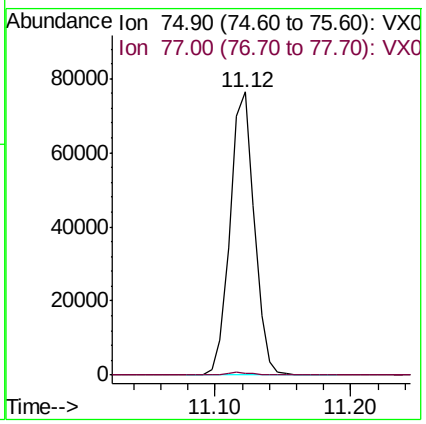


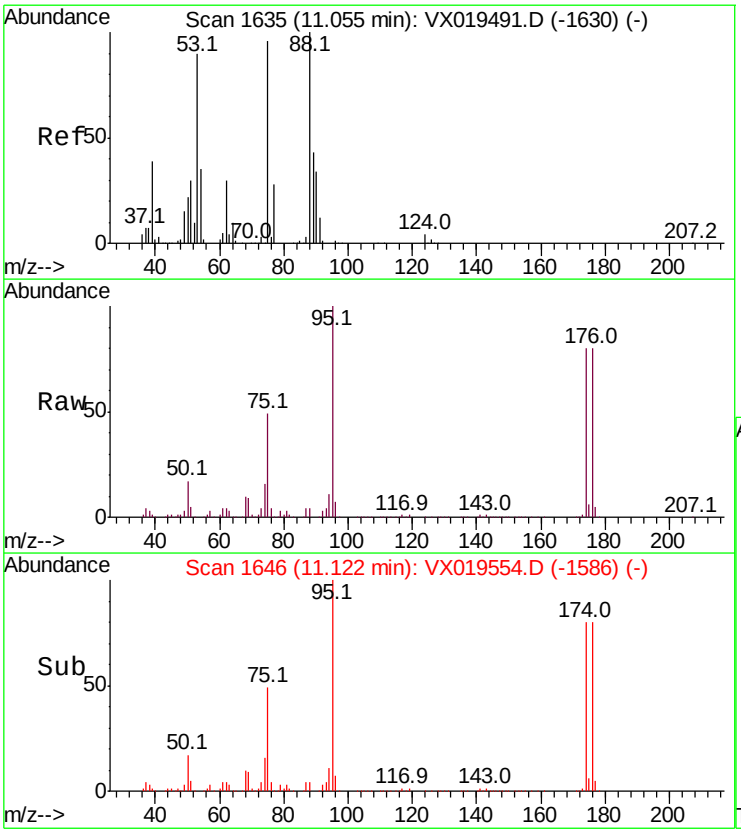

#76
1,2,3-Trichloropropane
Concen: 24.694 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :** MSVOA_X
**ClientSampleId :** 91BR-20201118

Tgt Ion: 75 Resp: 94748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 20.0 | 60.0# |

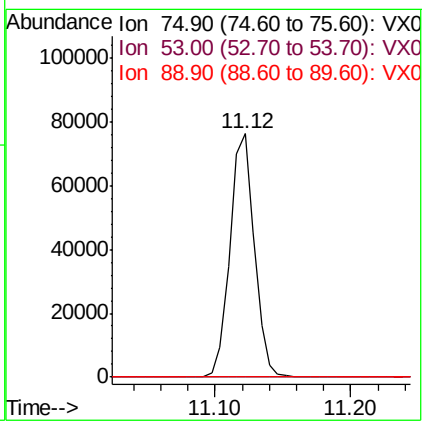


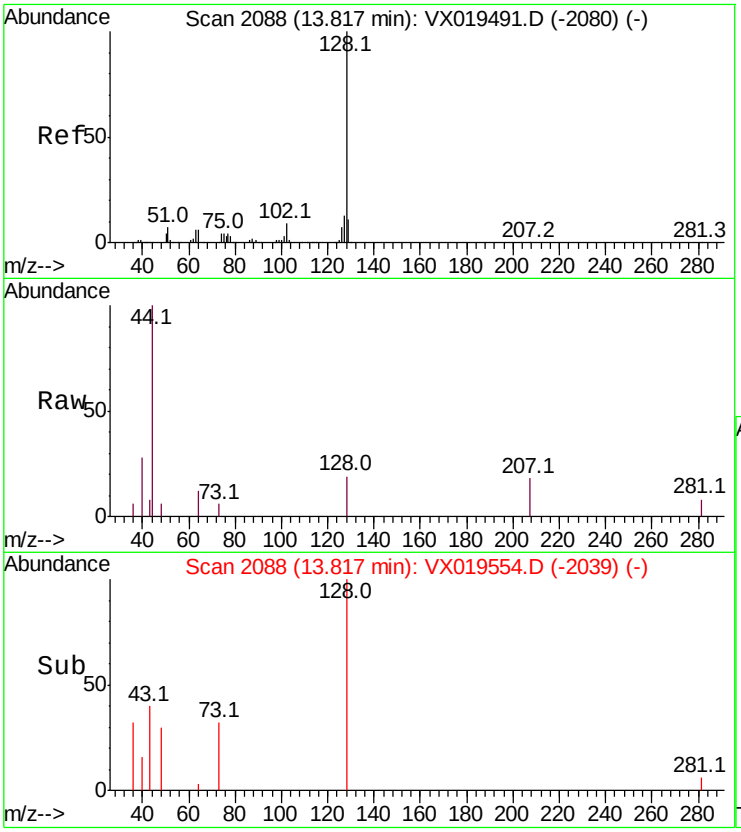




#81
trans-1,4-Dichloro-2-butene
Concen: 65.284 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

Tgt Ion: 75 Resp: 94748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 73.9 | 110.9# |
| 89 | 0.0 | 37.3 | 55.9# |






#95
Naphthalene
Concen: 2.194 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019554.D
Acq: 23 Nov 2020 16:39

**Instrument :**
MSVOA_X
**ClientSampleId :**
91BR-20201118

Tgt Ion:128 Resp: 218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.3 | 15.5# |
| 129 | 0.0 | 8.7 | 13.1# |