Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112120\
Data File : VX019516.D
Acq On : 21 Nov 2020 00:50
Operator : JC/MD
Sample : PB133122ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB133122ZHE#01

Quant Time: Nov 21 05:33:36 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 | 276173 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.83 | 114 | 454151 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 397869 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 165009 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 171485 | 47.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 61 - 141 | | Recovery = 95.78% | | | |
| 35) Dibromofluoromethane | 5.46 | 113 | 138525 | 48.59 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 69 - 133 | | Recovery = 97.18% | | | |
| 50) Toluene-d8 | 8.70 | 98 | 537115 | 48.49 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 65 - 126 | | Recovery = 96.98% | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 176699 | 44.33 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 135 | | Recovery = 88.66% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.31 | 50 | 811 | 0.263 | ug/l # | 82 |
| 5) Bromomethane | 1.62 | 94 | 443 | 0.353 | ug/l # | 72 |
| 6) Chloroethane | 1.72 | 64 | 620 | Below Cal | # | 74 |
| 11) Tert butyl alcohol | 2.99 | 59 | 4155 | 6.131 | ug/l # | 73 |
| 13) Acrolein | 2.28 | 56 | 294 | 0.645 | ug/l | 84 |
| 16) Acetone | 2.43 | 43 | 15030 | 10.854 | ug/l | 99 |
| 17) Carbon Disulfide | 2.54 | 76 | 1868 | 0.254 | ug/l # | 83 |
| 18) Methyl Acetate | 2.76 | 43 | 3261 | 1.583 | ug/l | 90 |
| 20) Methylene Chloride | 2.83 | 84 | 8732 | 2.523 | ug/l | 94 |
| 25) 2-Butanone | 4.65 | 43 | 3313 | 1.593 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.11 | 42 | 1535 | 1.157 | ug/l | 89 |
| 36) 1,1-Dichloropropene | 5.63 | 75 | 21308 | 5.005 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 5.63 | 117 | 27275 | 6.618 | ug/l # | 16 |
| 43) Isopropyl Acetate | 6.42 | 43 | 32121 | 4.781 | ug/l | 99 |
| 48) Methyl methacrylate | 7.66 | 41 | 7223 | 2.295 | ug/l # | 9 |
| 49) 1,4-Dioxane | 7.73 | 88 | 24 | 0.336 | ug/l # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.59 | 43 | 95548 | 24.386 | ug/l # | 46 |
| 54) cis-1,3-Dichloropropene | 8.60 | 75 | 50868 | 9.923 | ug/l # | 60 |
| 57) 1,3-Dichloropropane | 9.52 | 76 | 28854 | 5.288 | ug/l # | 43 |
| 59) 2-Hexanone | 9.52 | 43 | 342294 | 115.189 | ug/l # | 47 |
| 70) Styrene | 10.69 | 104 | 462 | 1.693 | ug/l | 90 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 86365 | 23.983 | ug/l # | 37 |
| 80) 1,3,5-Trimethylbenzene | 11.49 | 105 | 2429 | 0.254 | ug/l | 97 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 86365 | 63.526 | ug/l # | 12 |
| 95) Naphthalene | 13.82 | 128 | 985 | 2.255 | ug/l # | 93 |

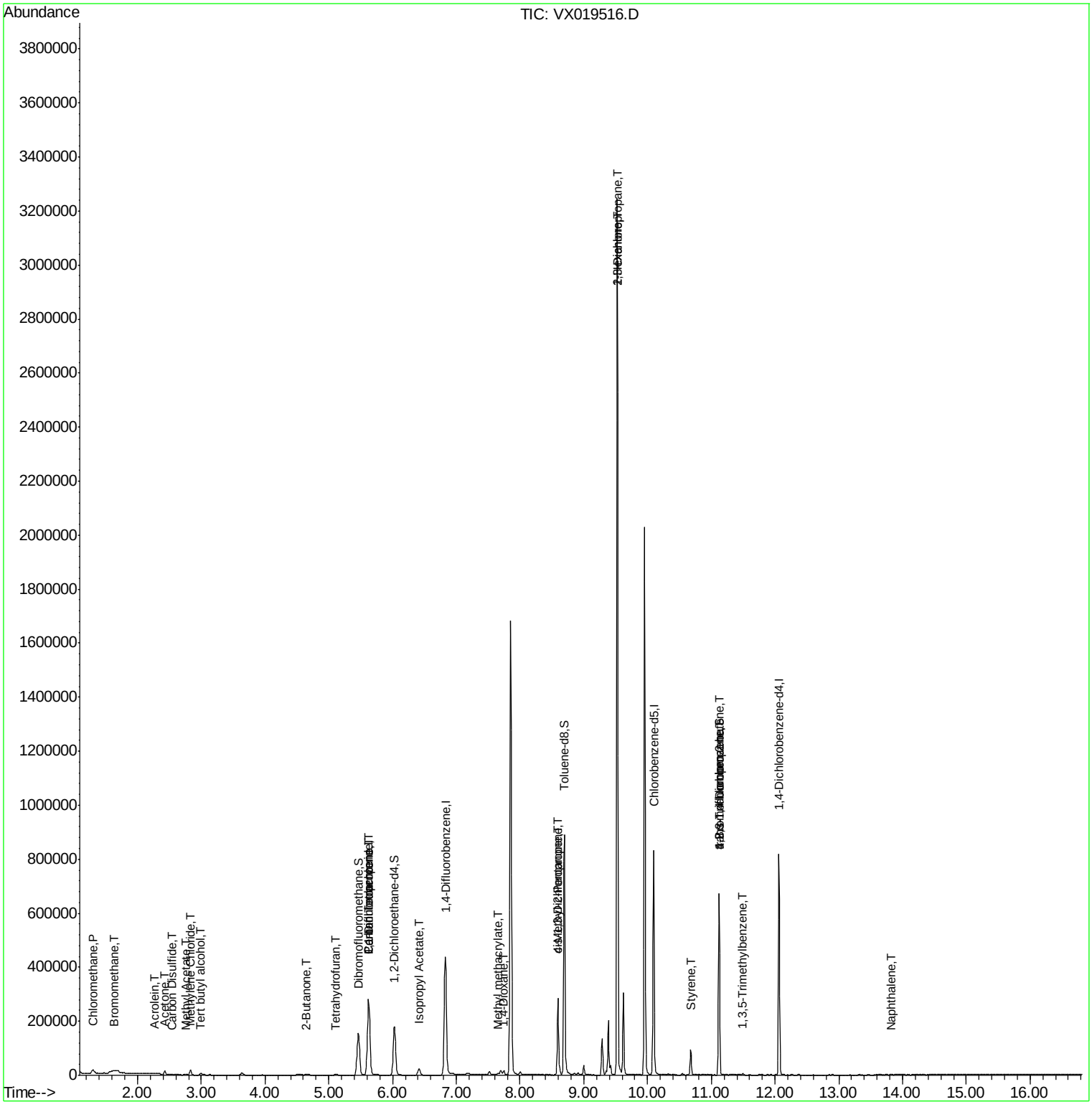
(#) = qualifier out of range (m) = manual integration (+) = signals summed

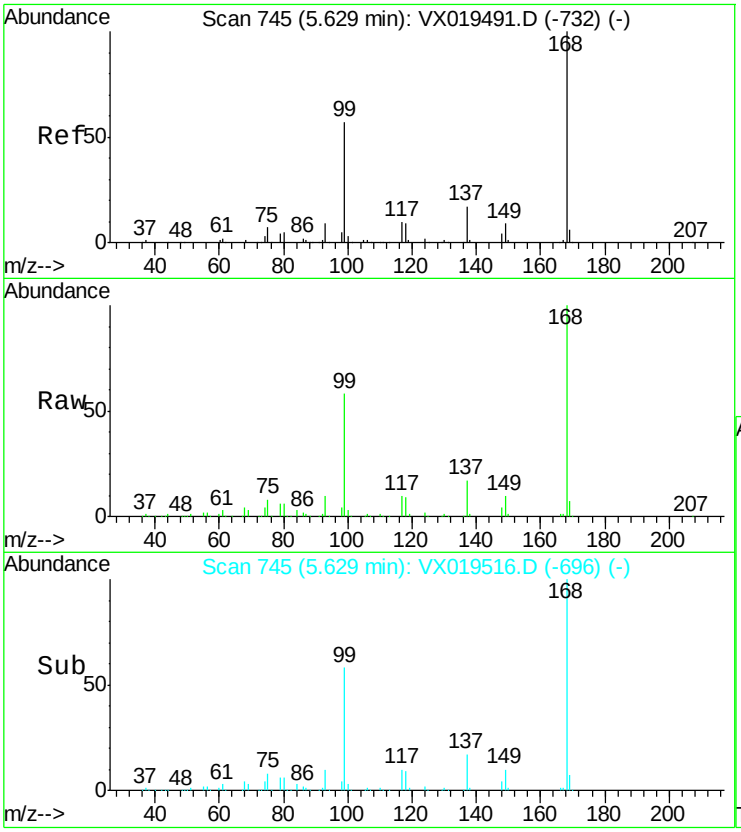
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
Data File : VX019516.D
Acq On : 21 Nov 2020 00:50
Operator : JC/MD
Sample : PB133122ZHE#01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB133122ZHE#01

Quant Time: Nov 21 05:33:36 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



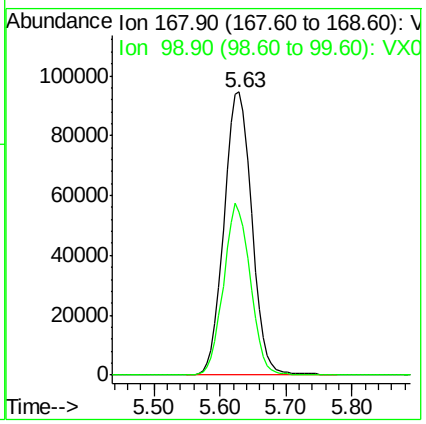


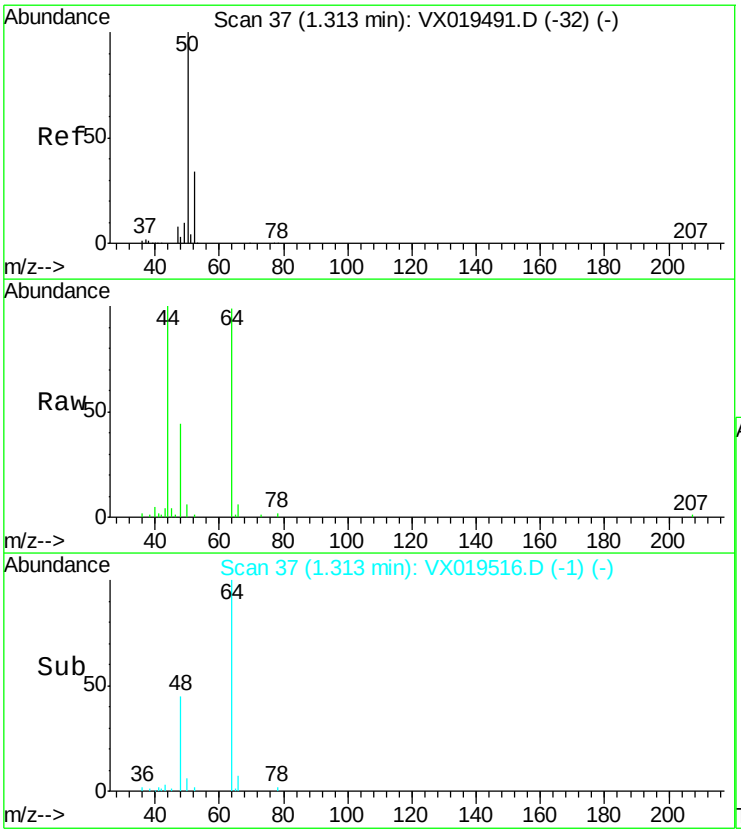

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion:168 Resp: 276173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.6 | 45.8 | 68.6 |

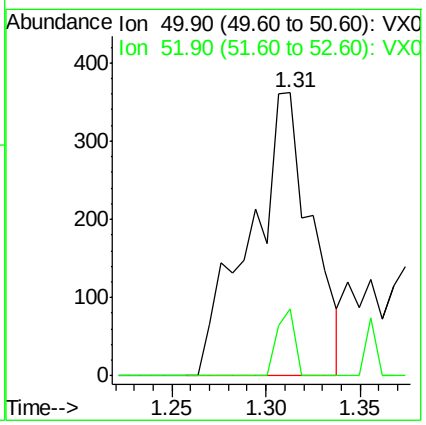


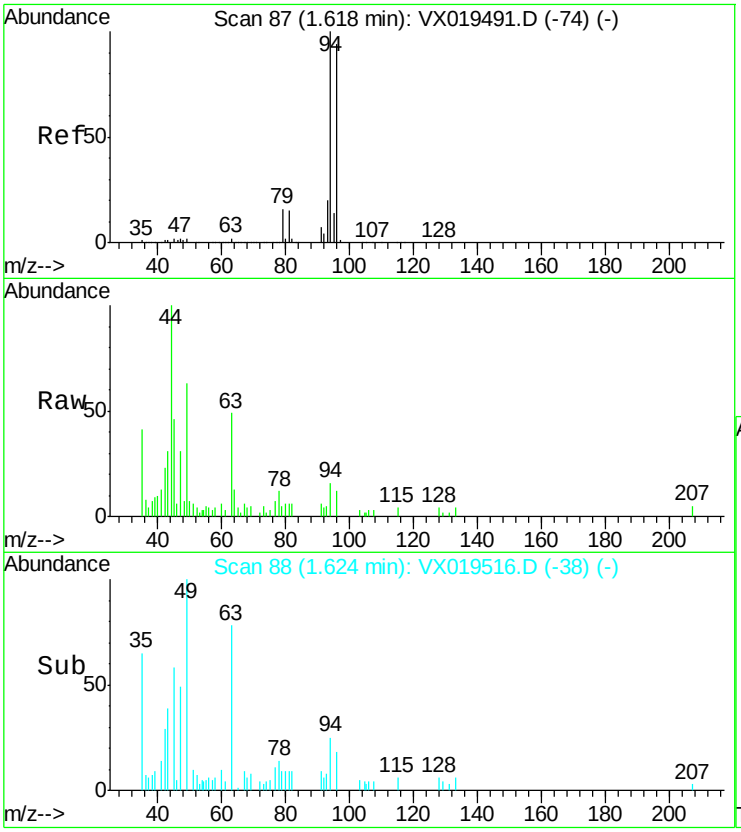




#3
Chloromethane
Concen: 0.263 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 50 Resp: 811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 23.8 | 27.0 | 40.6# |



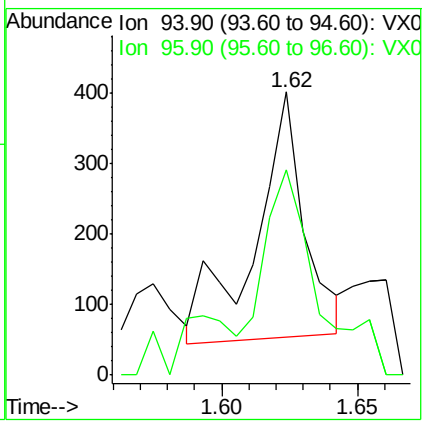


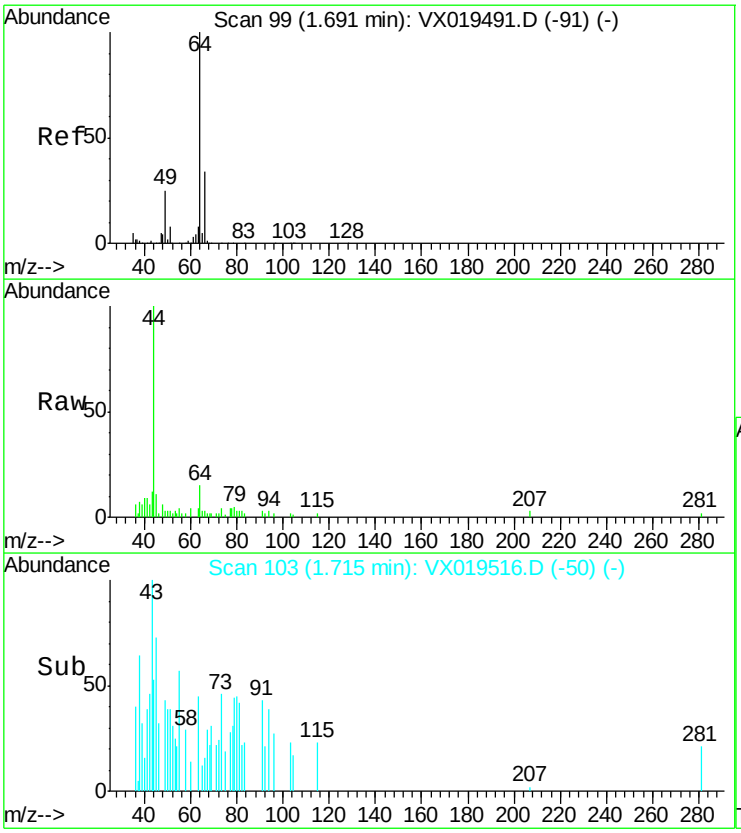

#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.62 min Scan# 88
Delta R.T. 0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 94 Resp: 443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 67.8 | 75.6 | 113.4# |

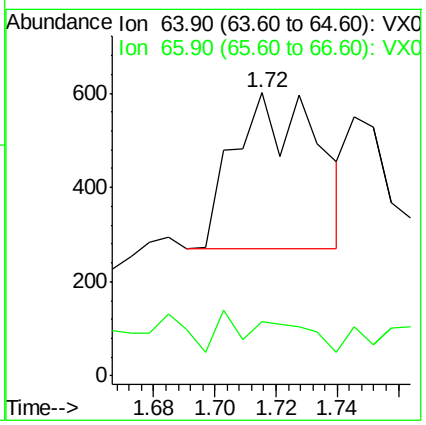


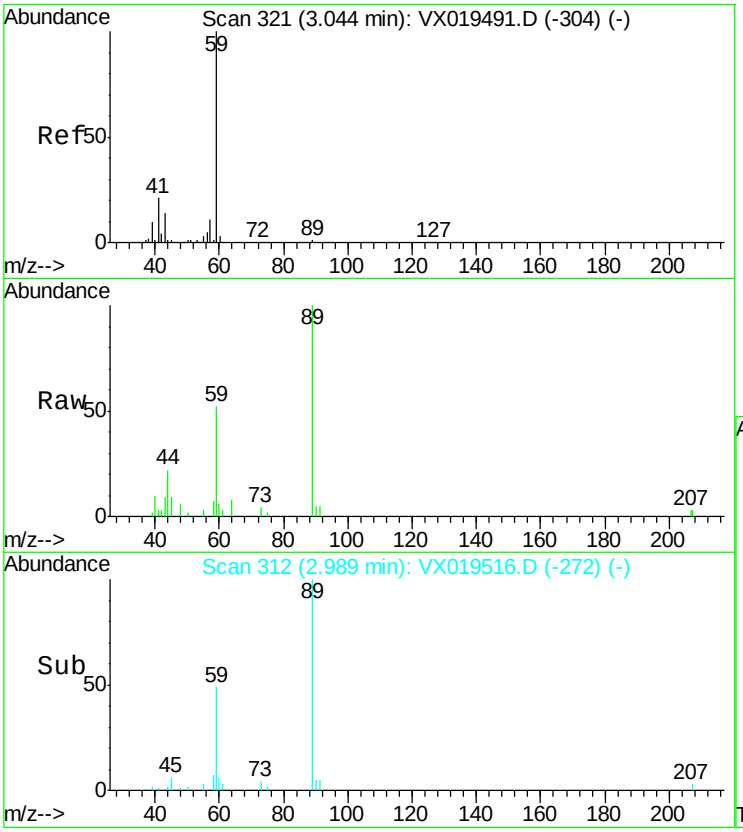




#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 103
Delta R.T. 0.03 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 64 Resp: 620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 19.0 | 27.1 | 40.7# |



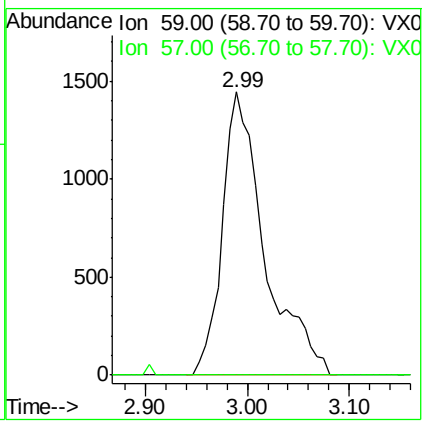


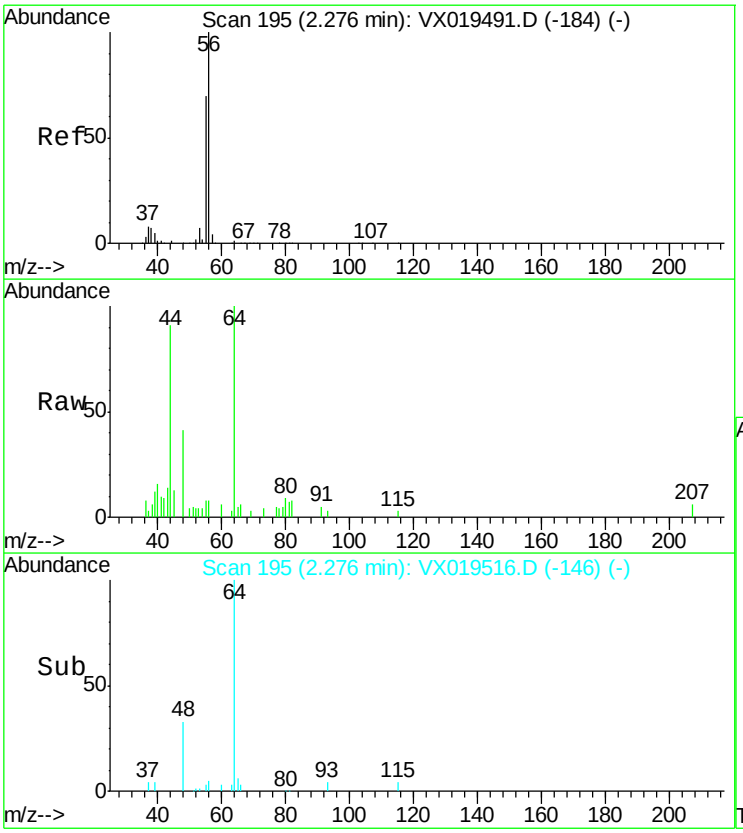

#11
Tert butyl alcohol
Concen: 6.131 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.05 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 59 Resp: 4155

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

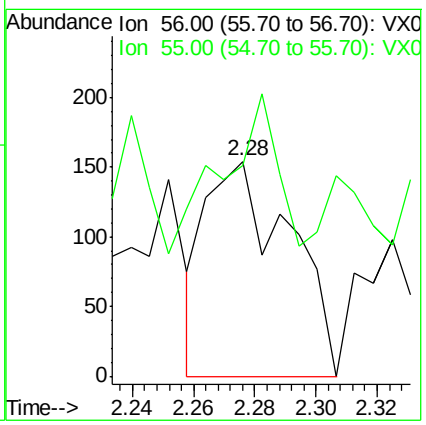


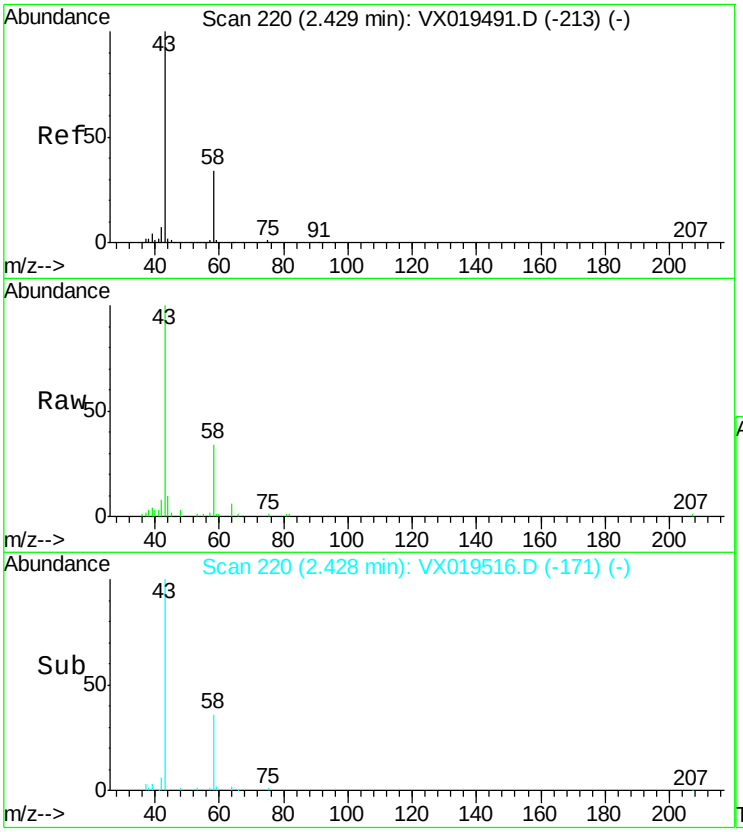




#13
Acrolein
Concen: 0.645 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 56 Resp: 294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 82.3 | 55.5 | 83.3 |



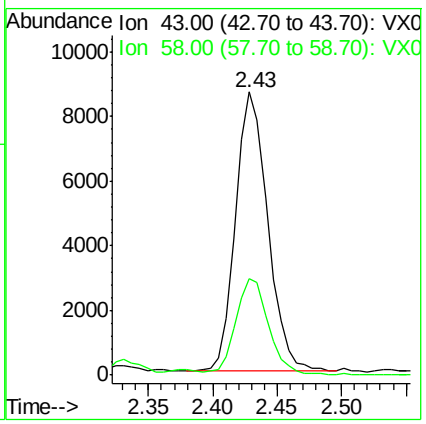


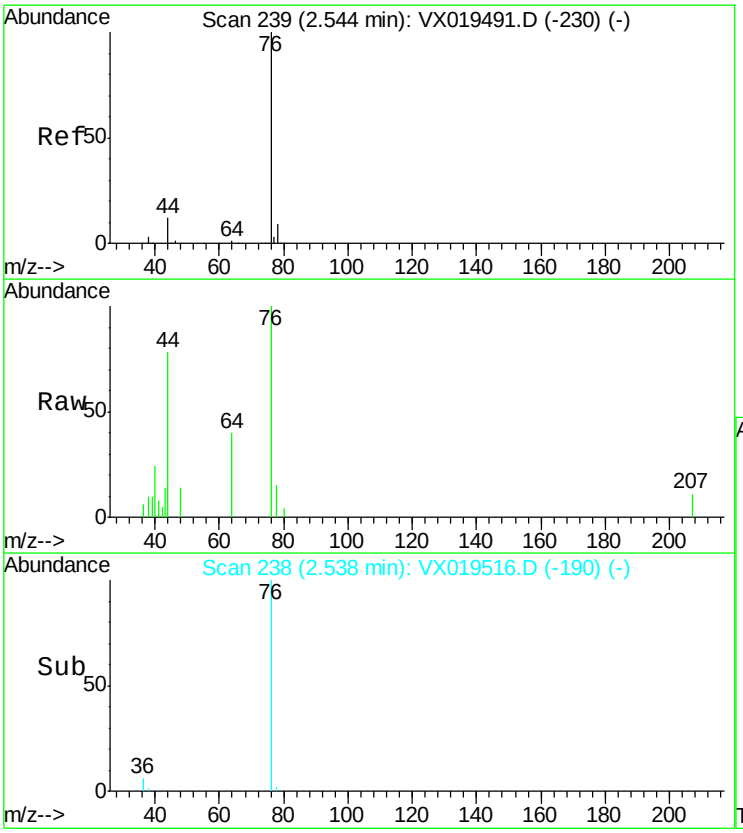

#16
Acetone
Concen: 10.854 ug/l
RT: 2.43 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 43 Resp: 15030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.7 | 27.4 | 41.2 |

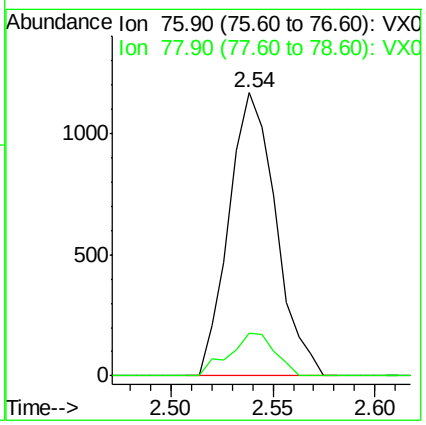


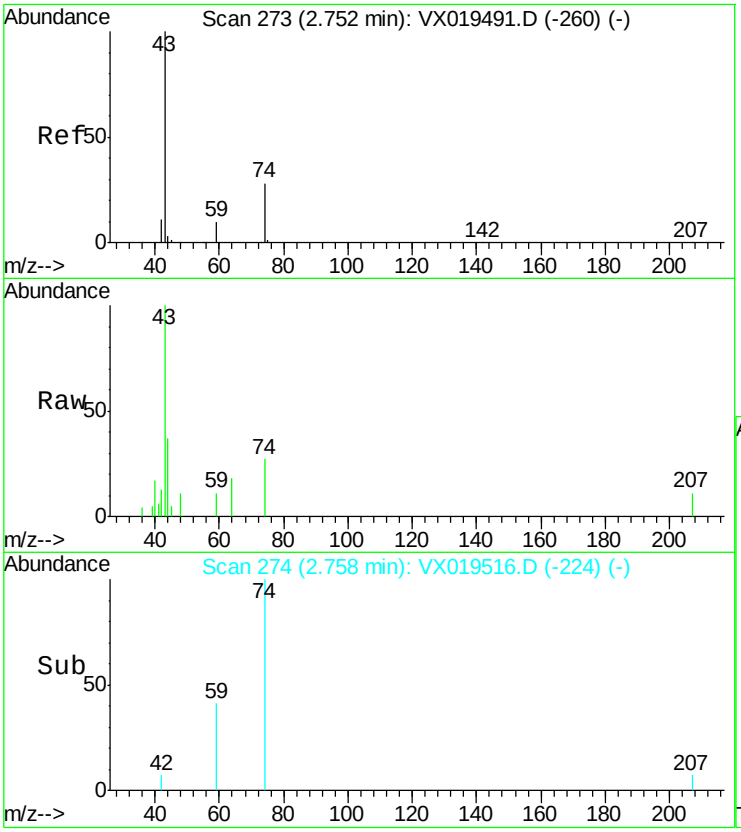




#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 76 Resp: 1868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 15.0 | 7.2 | 10.8# |



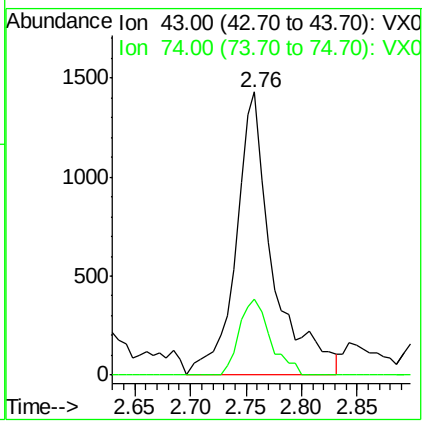


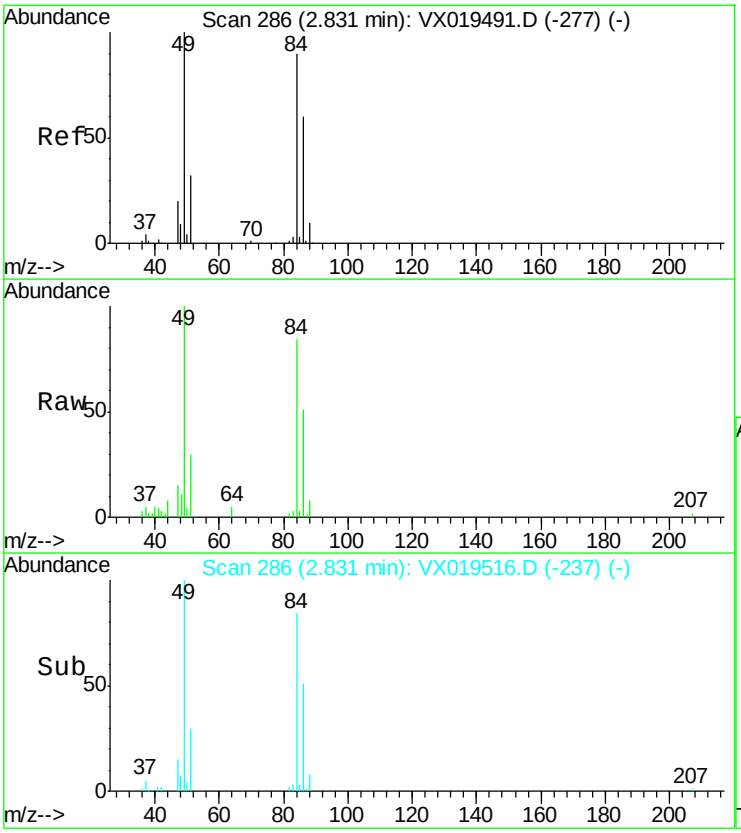

#18
Methyl Acetate
Concen: 1.583 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :** MSVOA_X
**ClientSampleId :** PB133122ZHE#01

Tgt Ion: 43 Resp: 3261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 22.2 | 33.4 |

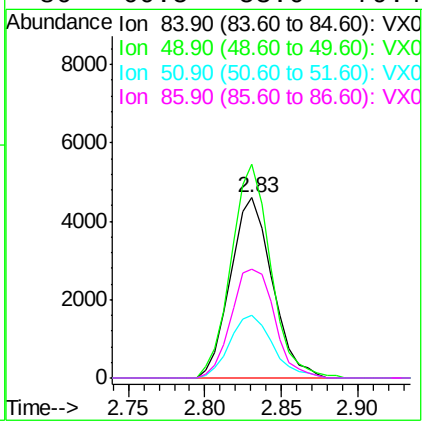


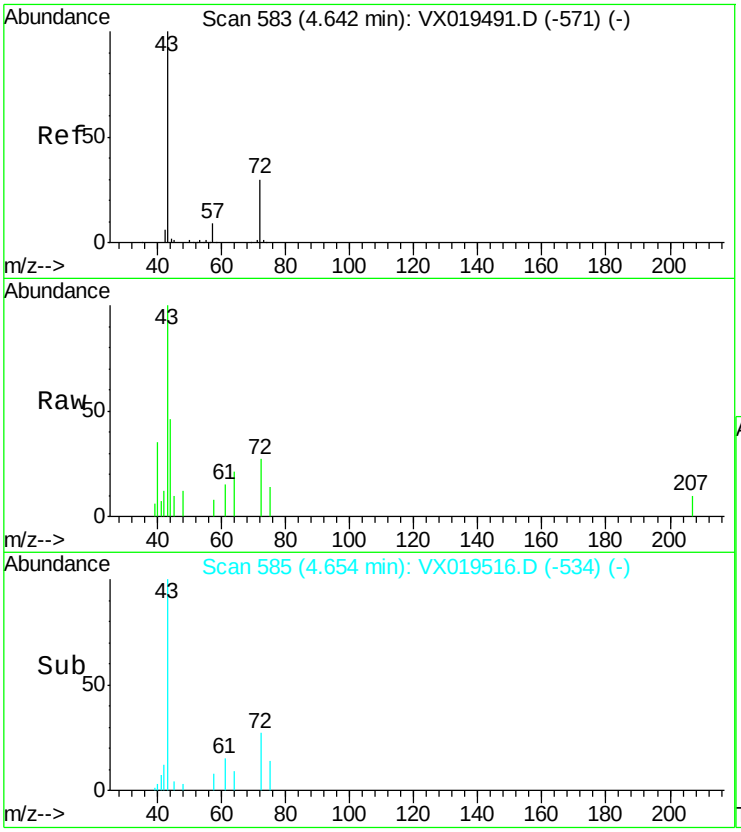




#20
Methylene Chloride
Concen: 2.523 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 84 Resp: 8732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.7 | 88.5 | 132.7 |
| 51 | 35.1 | 28.0 | 42.0 |
| 86 | 60.5 | 53.0 | 79.4 |



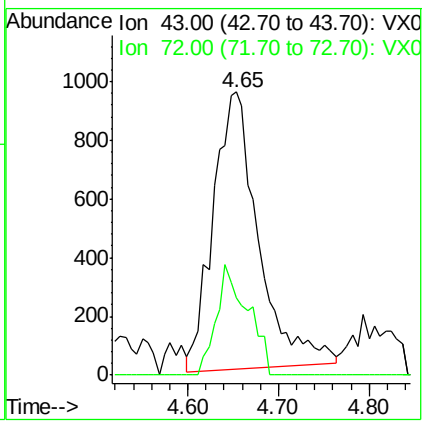


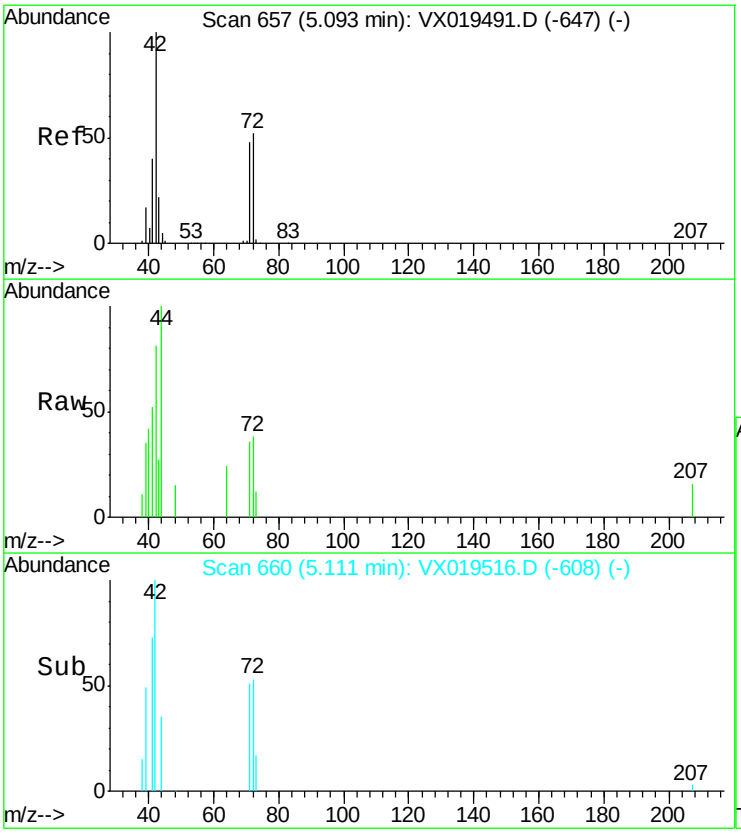

#25
2-Butanone
Concen: 1.593 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 43 Resp: 3313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.1 | 24.0 | 36.0 |

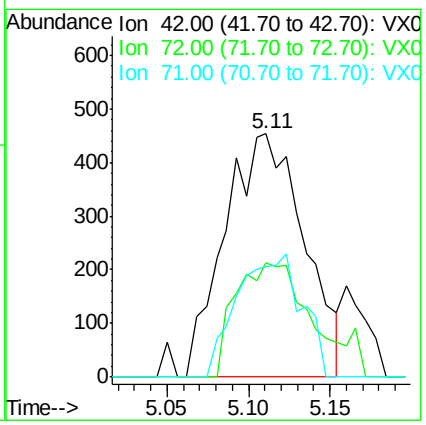


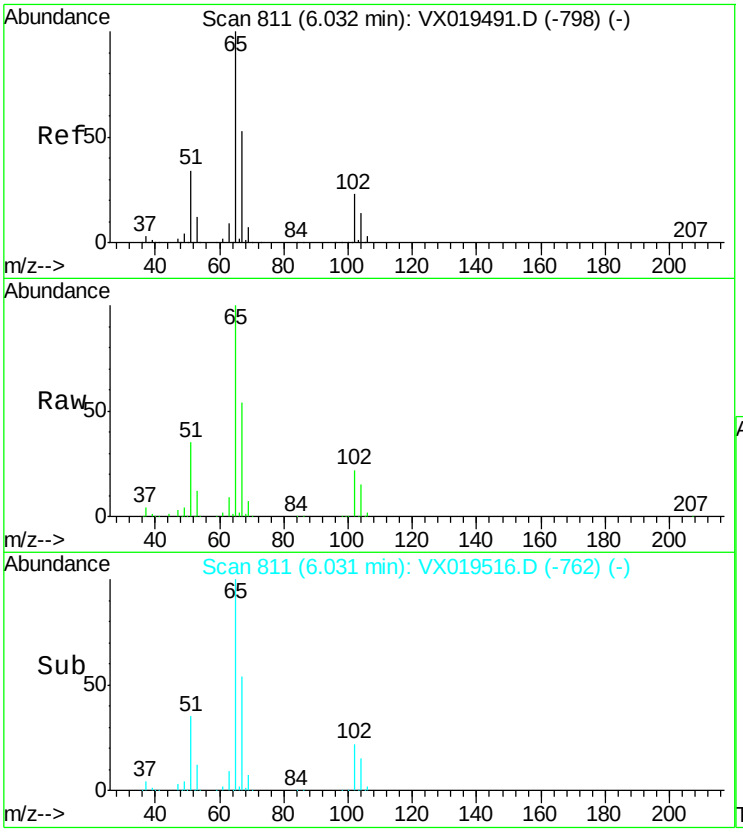




#29
Tetrahydrofuran
Concen: 1.157 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 42 Resp: 1535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.8 | 42.6 | 63.8 |
| 71 | 40.9 | 39.0 | 58.6 |



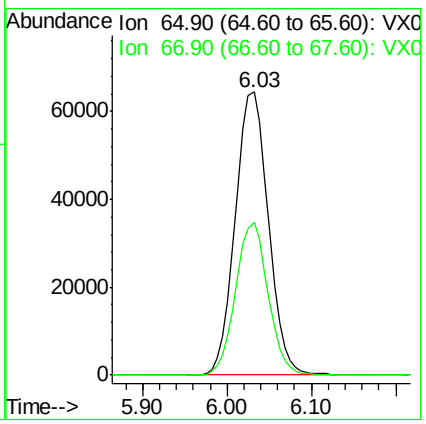


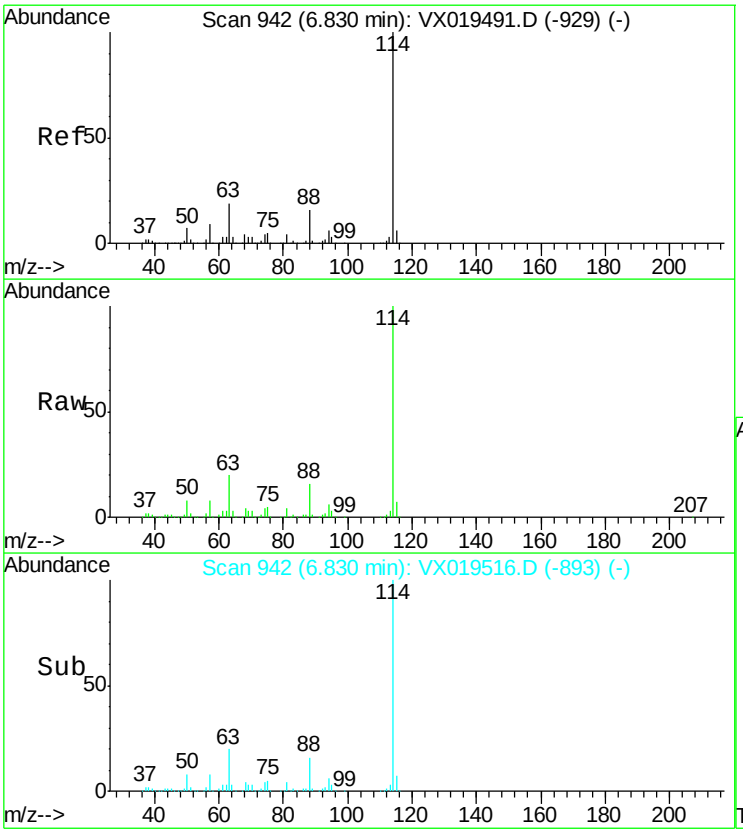

#33
1,2-Dichloroethane-d4
Concen: 47.890 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 65 Resp: 171485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 105.0 |

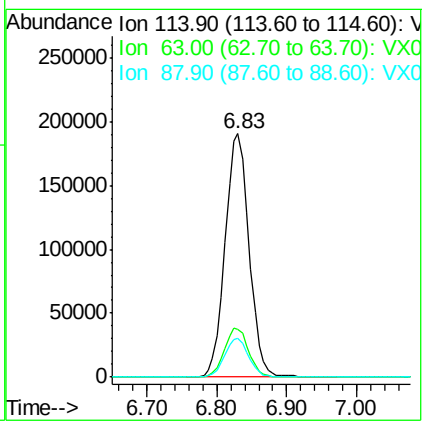


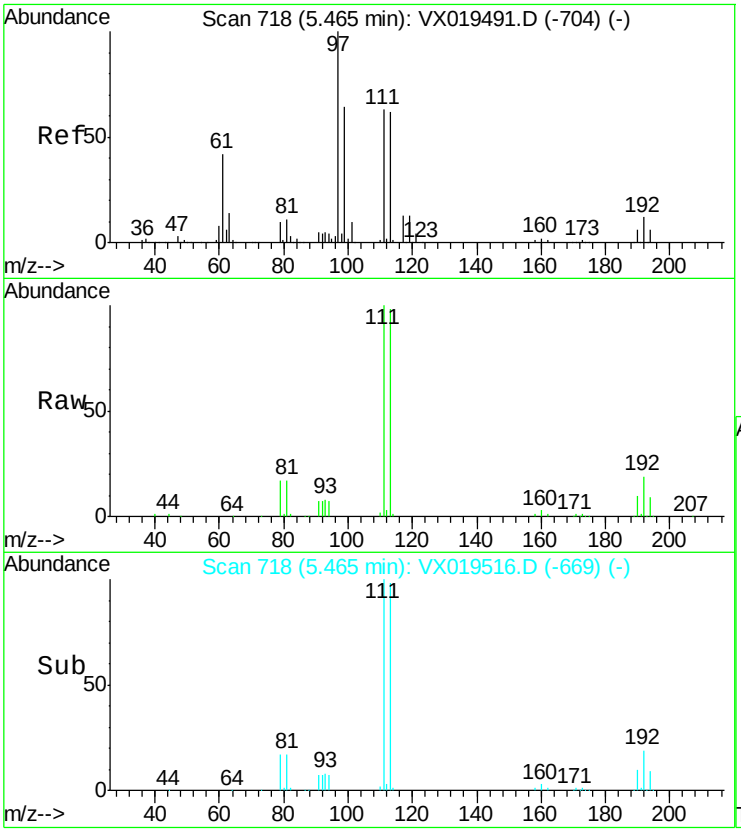




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion:114 Resp: 454151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 38.8 |
| 88 | 15.8 | 0.0 | 31.6 |



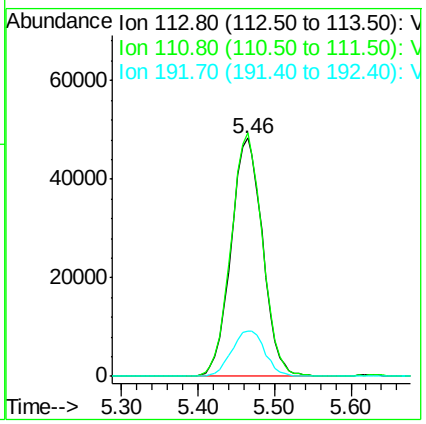


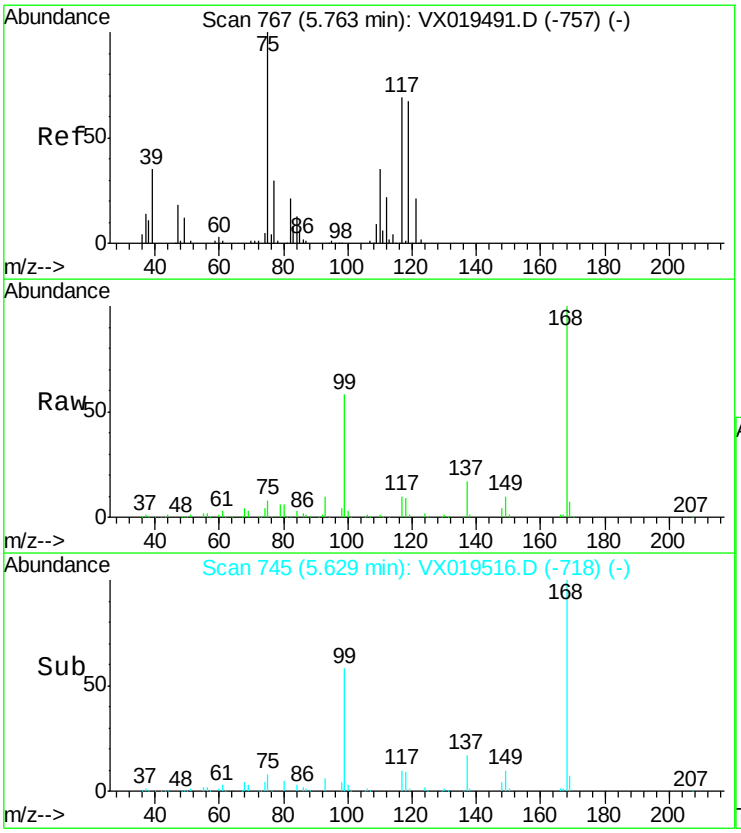

#35
Dibromofluoromethane
Concen: 48.593 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion:113 Resp: 138525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 81.5 | 122.3 |
| 192 | 20.0 | 16.2 | 24.2 |

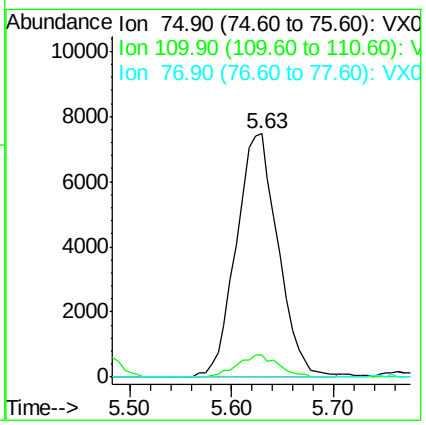


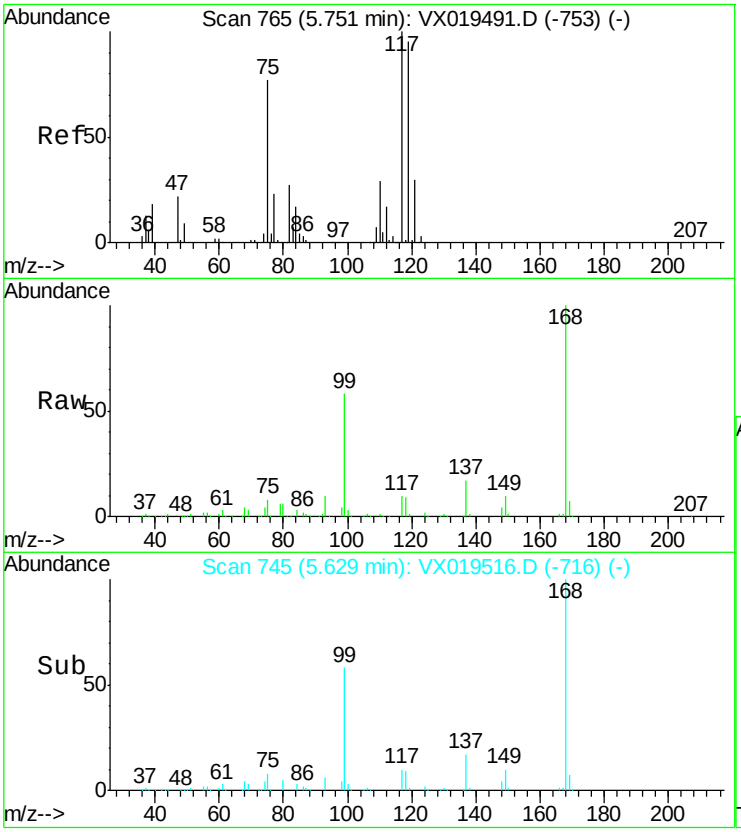




#36
1,1-Dichloropropene
Concen: 5.005 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 75 Resp: 21308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.2 | 18.1 | 54.3# |
| 77 | 0.0 | 24.2 | 36.4# |



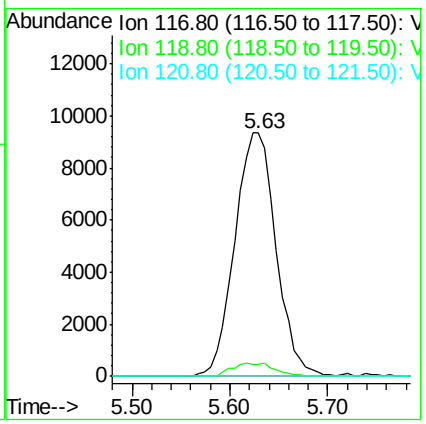


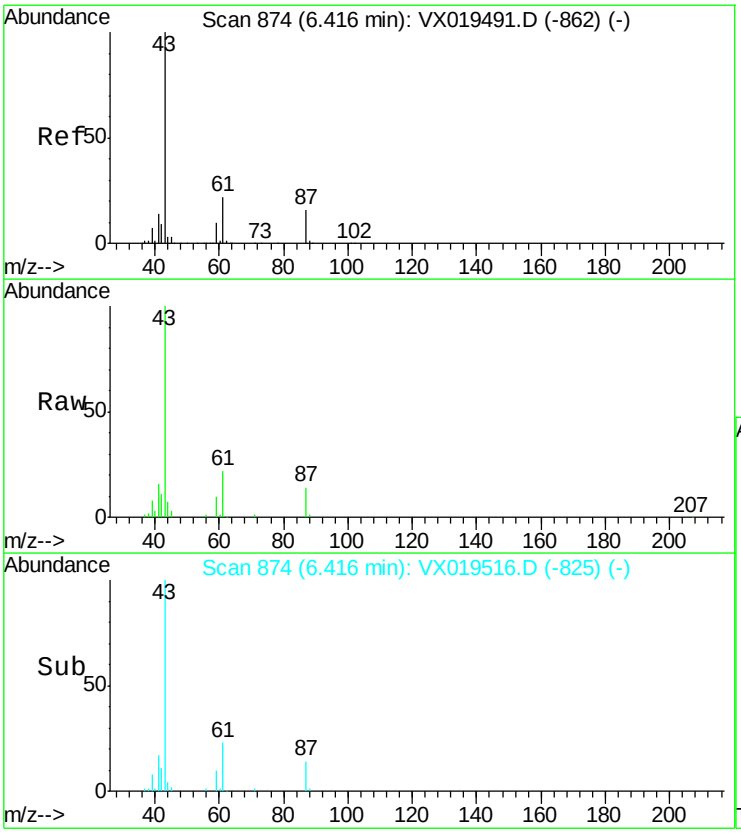

#38
Carbon Tetrachloride
Concen: 6.618 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :** MSVOA_X
**ClientSampleId :** PB133122ZHE#01

Tgt Ion:117 Resp: 27275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 75.9 | 113.9# |
| 121 | 0.0 | 24.0 | 36.0# |

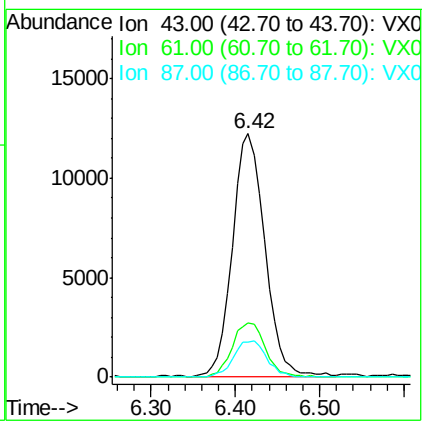


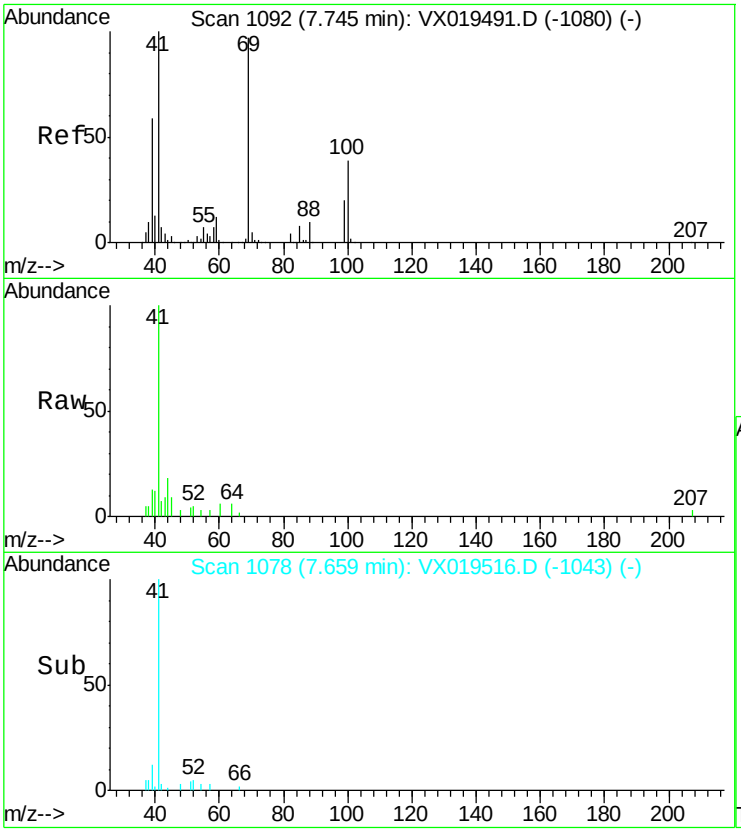




#43
Isopropyl Acetate
Concen: 4.781 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 43 Resp: 32121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 22.6 | 18.2 | 27.2 |
| 87 | 14.9 | 12.6 | 18.8 |



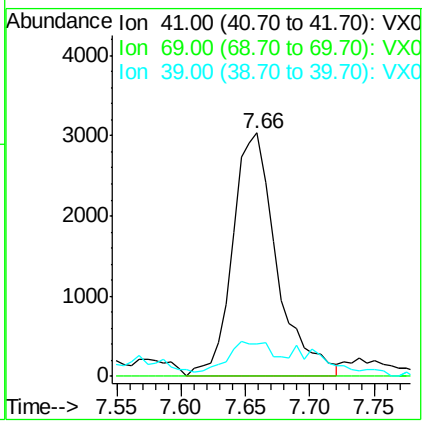


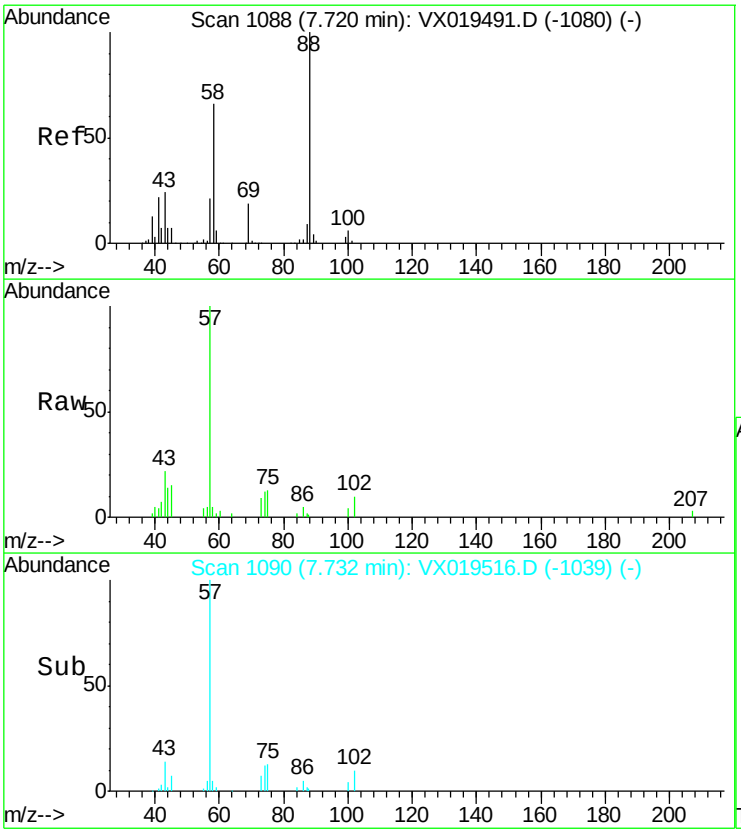

#48
Methyl methacrylate
Concen: 2.295 ug/l
RT: 7.66 min Scan# 1078
Delta R.T. -0.09 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :** MSVOA_X
**ClientSampleId :** PB133122ZHE#01

Tgt Ion: 41 Resp: 7223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 77.0 | 115.6# |
| 39 | 0.0 | 45.6 | 68.4# |

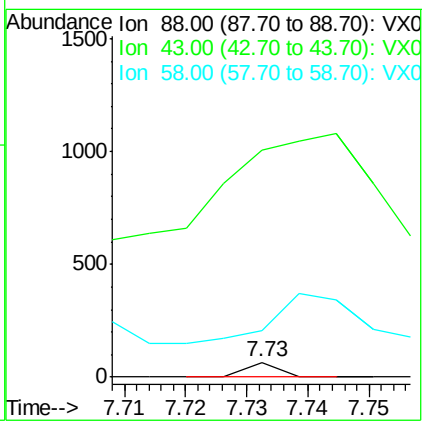


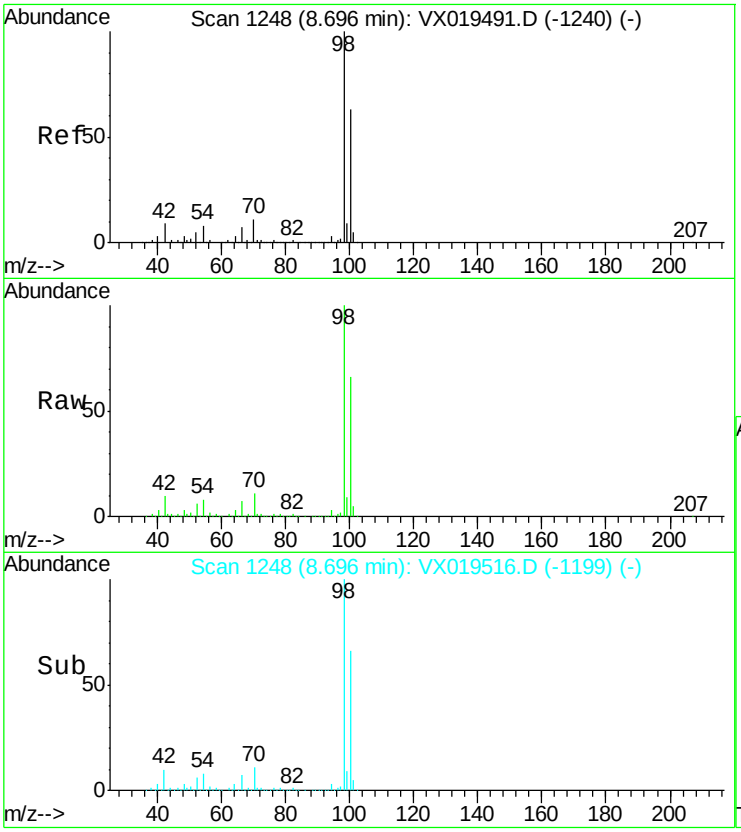




#49
1,4-Dioxane
Concen: 0.336 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 88 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 23.8 | 35.6# |
| 58 | 2562.5 | 54.2 | 81.2# |



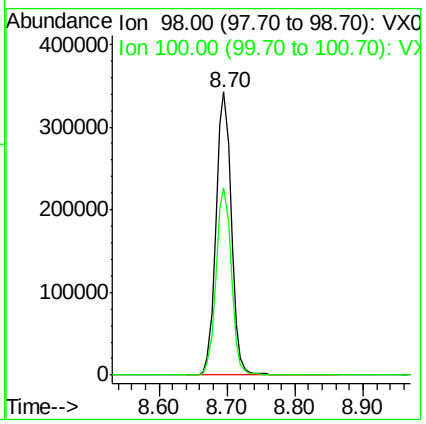


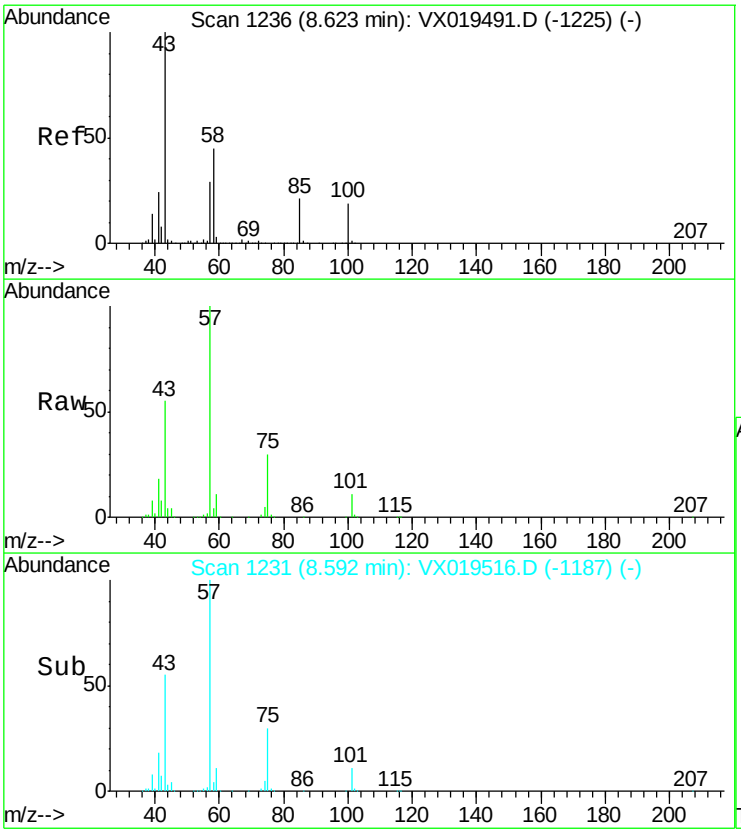

#50
Toluene-d8
Concen: 48.487 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 98 Resp: 537115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.9 | 52.4 | 78.6 |

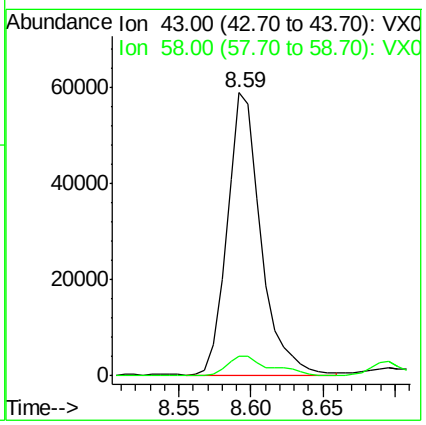


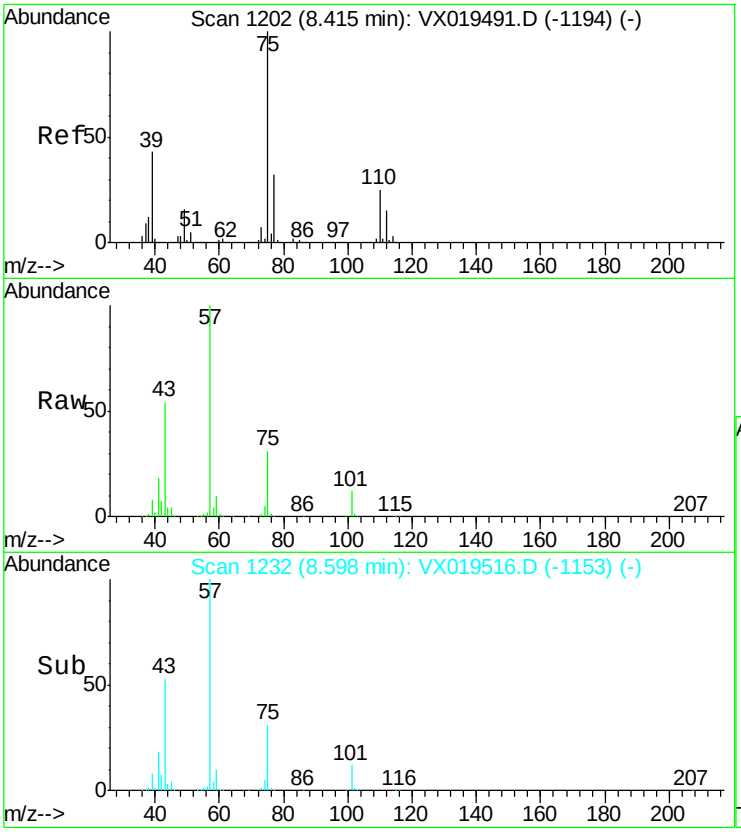




#51
4-Methyl-2-Pentanone
Concen: 24.386 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 43 Resp: 95548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.2 | 35.1 | 52.7# |



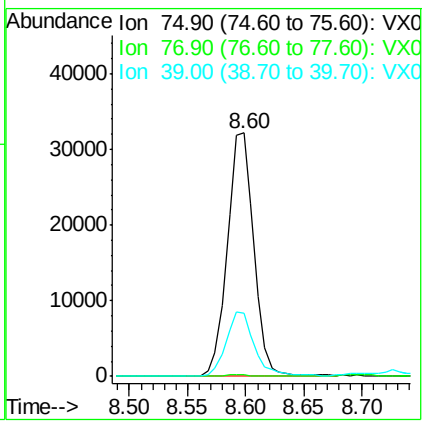


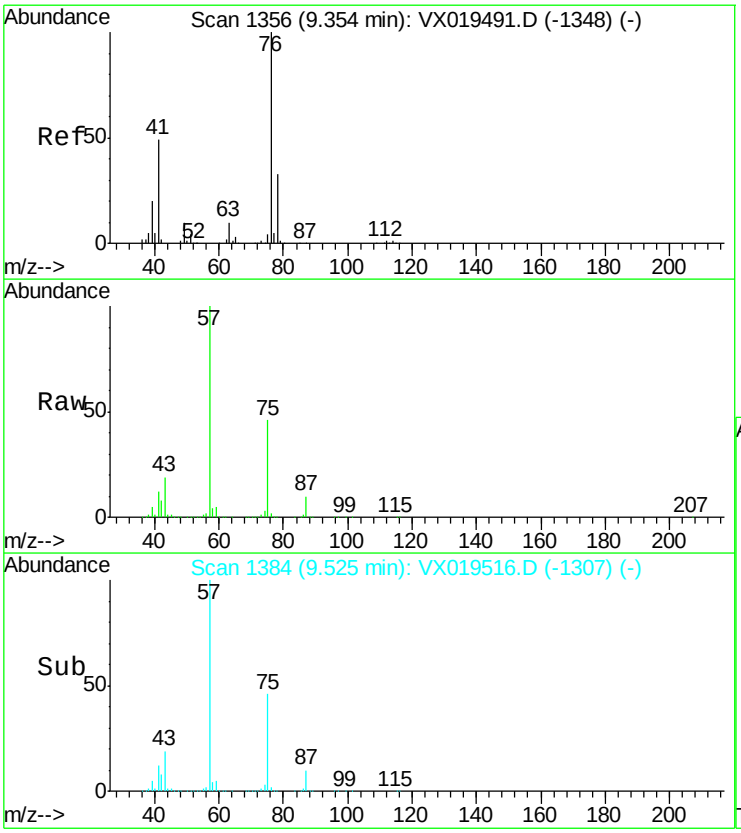

#54
cis-1,3-Dichloropropene
Concen: 9.923 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. 0.18 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 75 Resp: 50868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.6 | 25.8 | 38.6# |
| 39 | 25.9 | 34.6 | 51.8# |

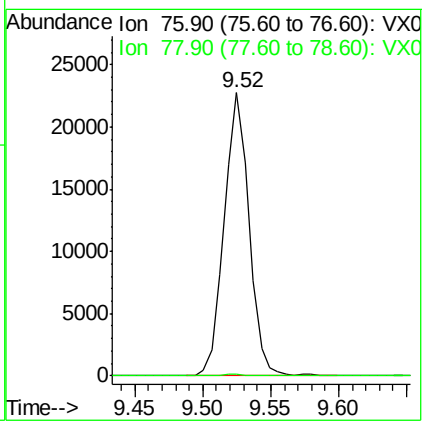


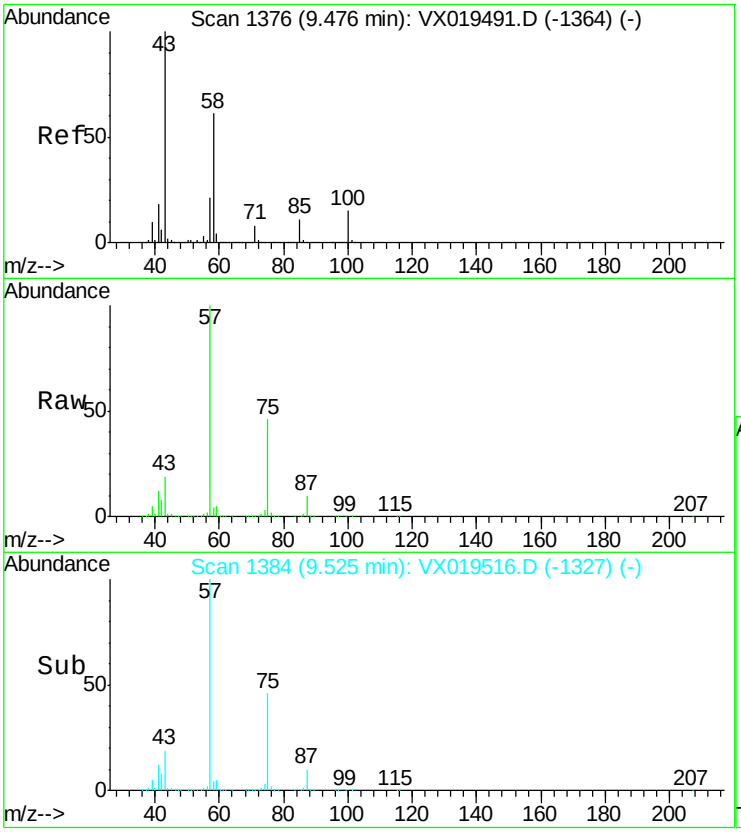




#57
1,3-Dichloropropane
Concen: 5.288 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.17 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 76 Resp: 28854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.5 | 25.7 | 38.5# |



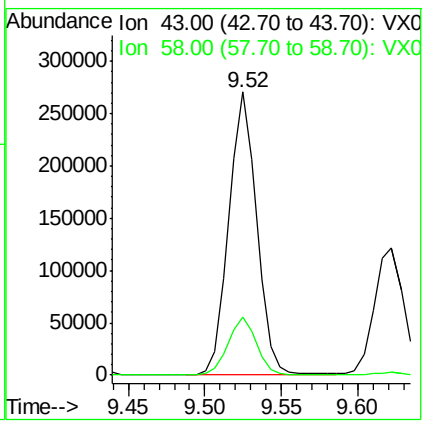


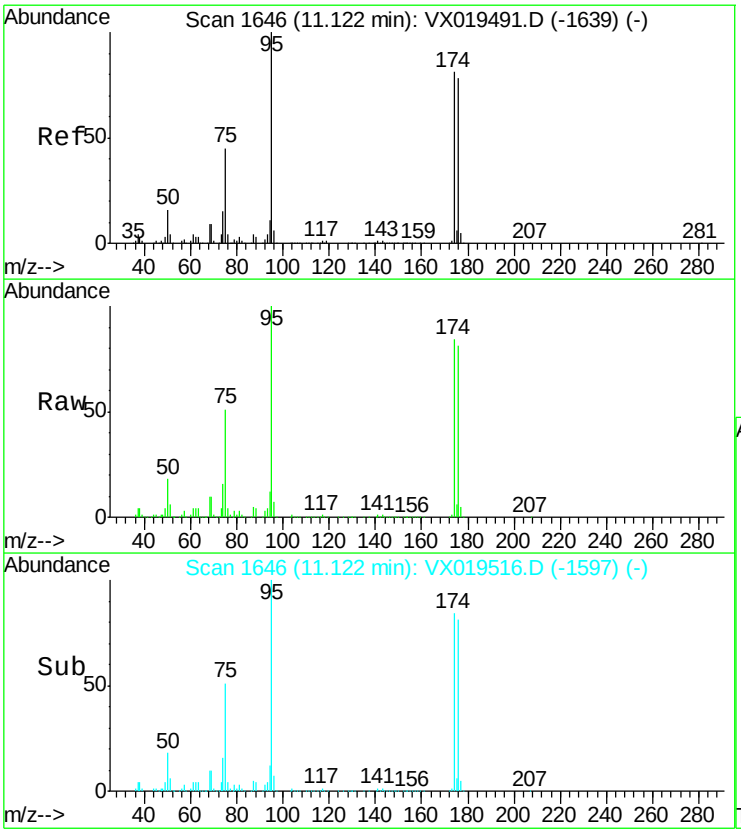

#59
2-Hexanone
Concen: 115.189 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion: 43 Resp: 342294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.6 | 30.6 | 91.6# |

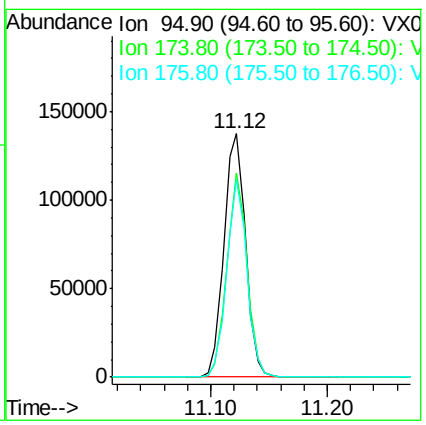


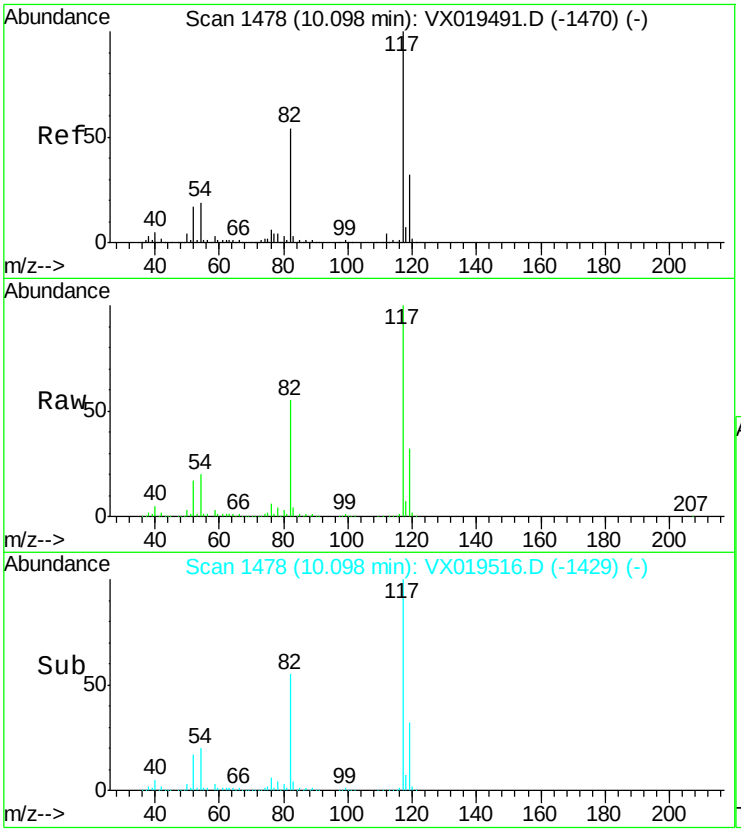




#62
4-Bromofluorobenzene
Concen: 44.335 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 95 Resp: 176699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.1 | 0.0 | 156.2 |
| 176 | 76.0 | 0.0 | 151.4 |



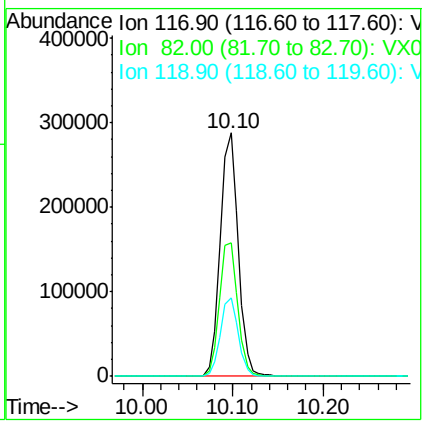


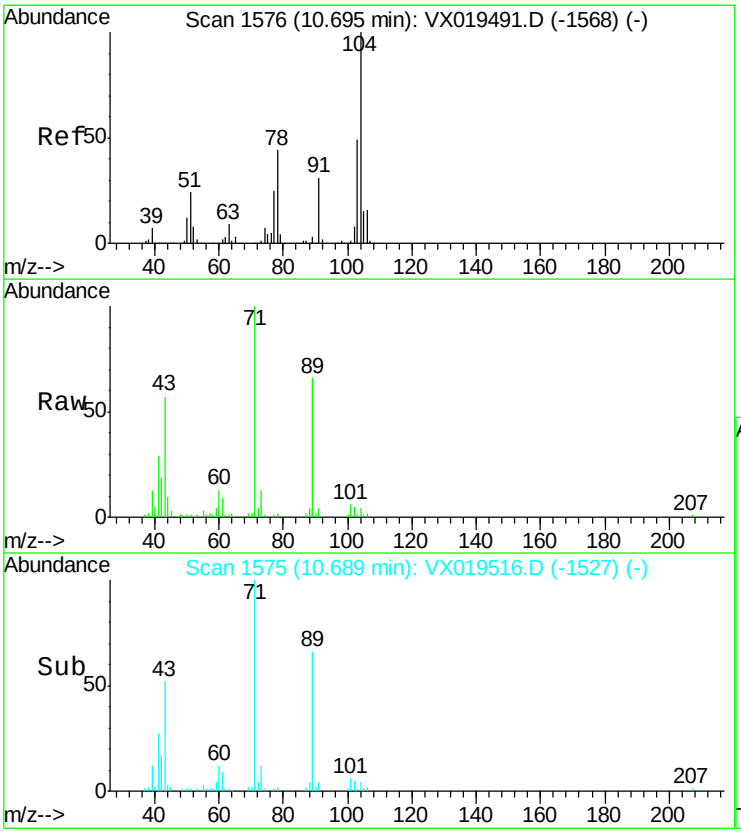

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion:117 Resp: 397869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 43.0 | 64.4 |
| 119 | 32.1 | 25.6 | 38.4 |

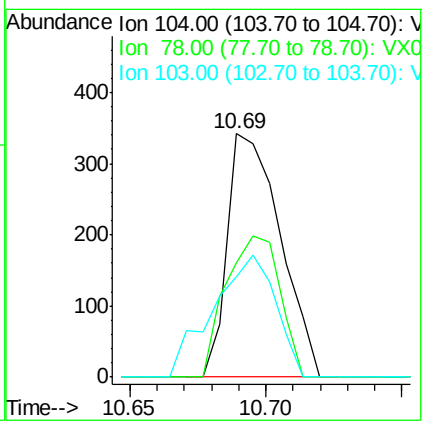


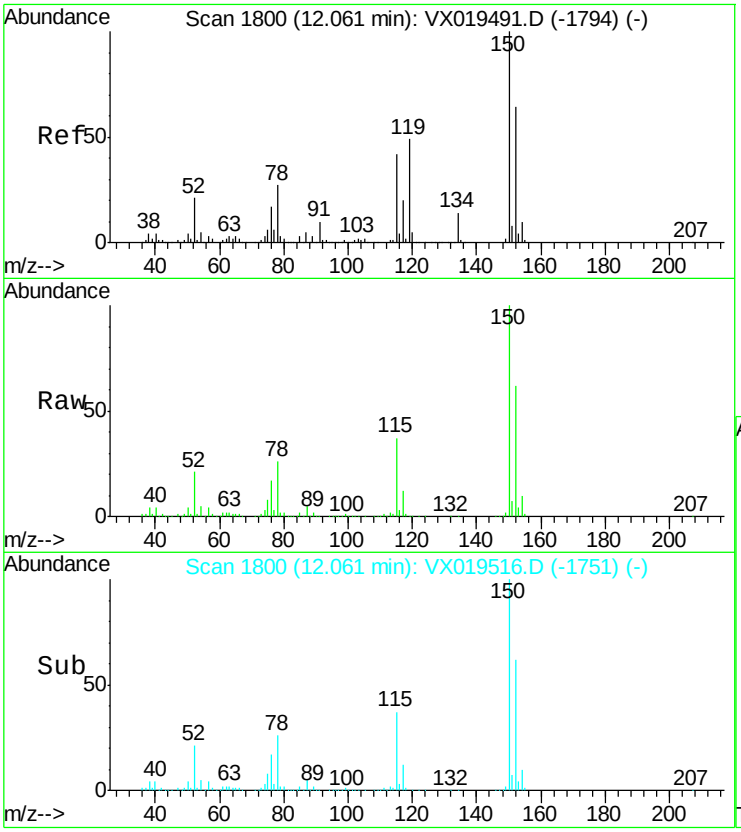




#70
Styrene
Concen: 1.693 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion:104 Resp: 462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 59.1 | 39.5 | 59.3 |
| 103 | 59.3 | 43.6 | 65.4 |



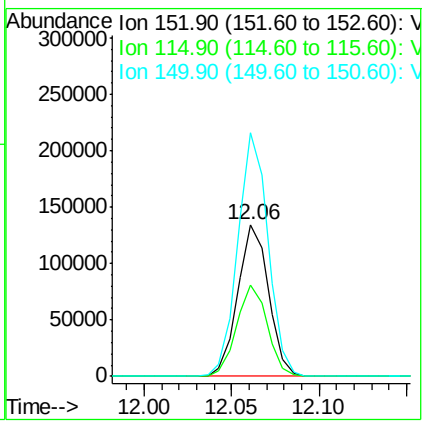


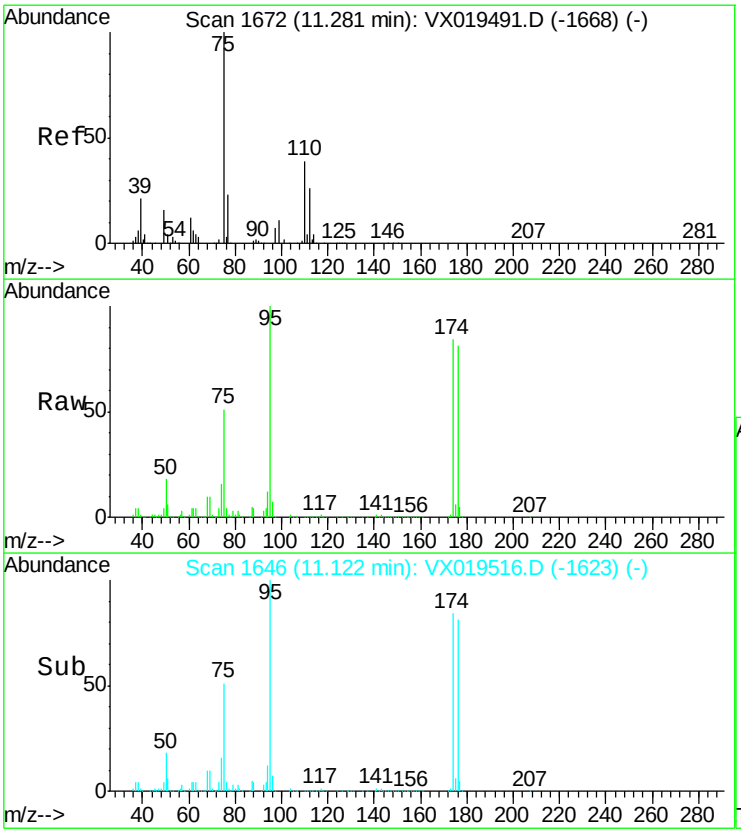

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion:152 Resp: 165009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.6 | 41.8 | 125.4 |
| 150 | 157.7 | 0.0 | 348.2 |

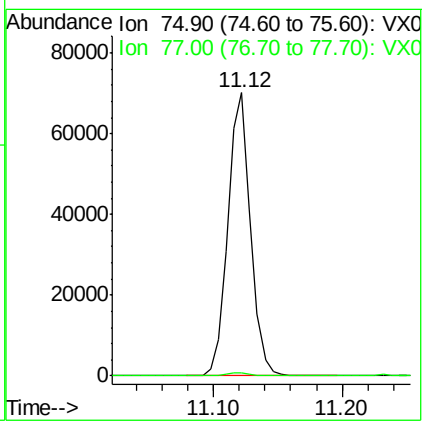


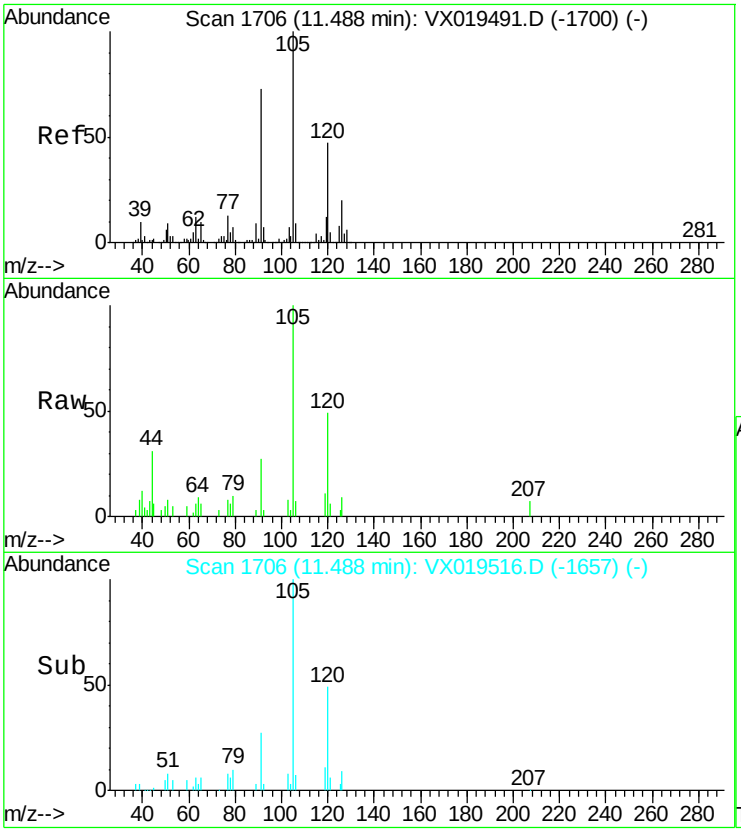




#76
1,2,3-Trichloropropane
Concen: 23.983 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 75 Resp: 86365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 20.0 | 60.0# |



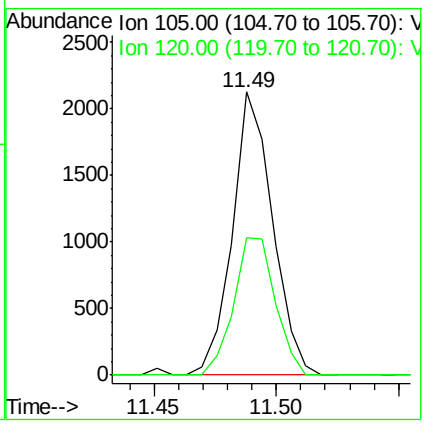


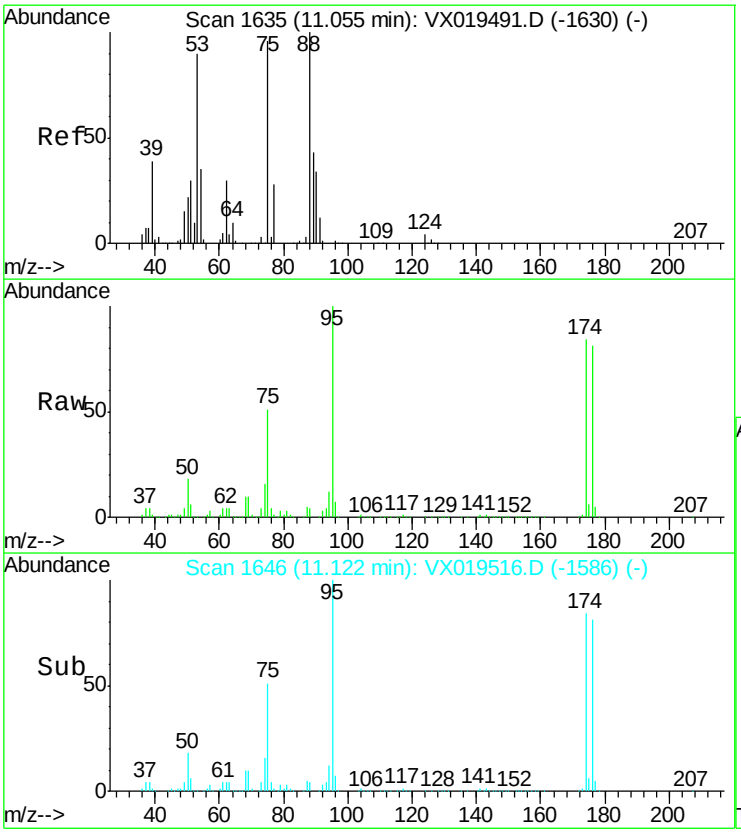

#80
1,3,5-Trimethylbenzene
Concen: 0.254 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion:105 Resp: 2429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.1 | 24.1 | 72.3 |

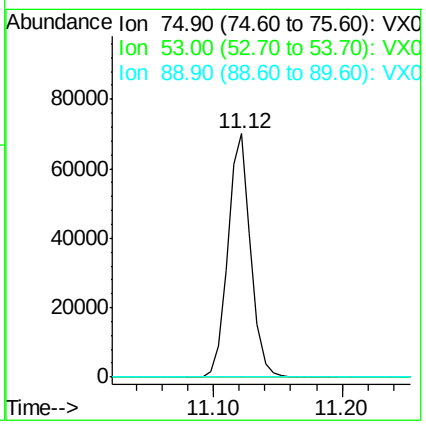


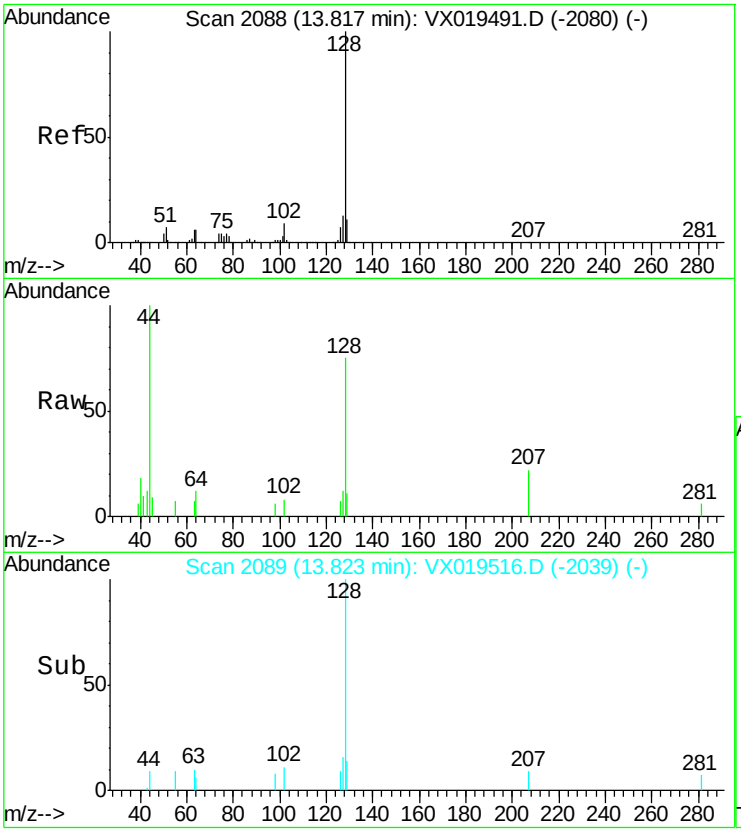




#81
trans-1,4-Dichloro-2-butene
Concen: 63.526 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

Tgt Ion: 75 Resp: 86365

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






#95
Naphthalene
Concen: 2.255 ug/l
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX019516.D
Acq: 21 Nov 2020 00:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB133122ZHE#01

Tgt Ion:128 Resp: 985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.0 | 10.3 | 15.5 |
| 129 | 15.2 | 8.7 | 13.1# |