Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010419\
Data File : VX006922.D
Acq On : 04 Jan 2019 19:11
Operator : JC/MD
Sample : K1057-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Quant Time: Jan 04 22:21:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 648517 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 987738 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 915864 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 451599 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 338419 | 48.42 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.84% | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 301995 | 48.35 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.70% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 1167033 | 49.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.12% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 424761 | 49.25 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 4476 | 0.754 | ug/l | 100 |
| 3) Chloromethane | 1.33 | 50 | 1818 | 0.284 | ug/l | 93 |
| 4) Vinyl Chloride | 1.41 | 62 | 8389 | 1.257 | ug/l | 97 |
| 5) Bromomethane | 1.65 | 94 | 1364 | Below Cal | # | 71 |
| 11) Tert butyl alcohol | 3.07 | 59 | 1066 | 0.683 | ug/l # | 16 |
| 13) Acrolein | 2.28 | 56 | 407 | 0.387 | ug/l | 96 |
| 16) Acetone | 2.45 | 43 | 131253 | 40.874 | ug/l | 96 |
| 18) Methyl Acetate | 2.78 | 43 | 7981 | 0.845 | ug/l | 95 |
| 20) Methylene Chloride | 2.85 | 84 | 1774 | 0.267 | ug/l # | 72 |
| 21) trans-1,2-Dichloroethene | 3.17 | 96 | 8963 | 1.396 | ug/l | 96 |
| 25) 2-Butanone | 4.70 | 43 | 1681 | 0.372 | ug/l # | 74 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 175489 | 24.775 | ug/l | 92 |
| 28) Bromochloromethane | 5.01 | 49 | 44 | Below Cal | # | 9 |
| 29) Tetrahydrofuran | 5.16 | 42 | 1319 | 0.443 | ug/l # | 64 |
| 31) Cyclohexane | 5.66 | 56 | 10799 | 1.116 | ug/l # | 13 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 42635 | 5.212 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 57947 | 7.289 | ug/l # | 15 |
| 44) Trichloroethene | 7.21 | 130 | 35676 | 4.740 | ug/l | 96 |
| 49) 1,4-Dioxane | 7.75 | 88 | 96 | Below Cal | # | 1 |
| 52) Toluene | 8.79 | 92 | 5778 | 0.360 | ug/l | 94 |
| 60) Dibromochloromethane | 9.47 | 129 | 39 | 2.330 | ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.13 | 75 | 204465 | 24.363 | ug/l # | 40 |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75 | 204465 | 72.098 | ug/l # | 10 |
| 90) Hexachloroethane | 12.54 | 117 | 69 | 3.308 | ug/l | 81 |
| 95) Naphthalene | 13.83 | 128 | 21417 | 0.646 | ug/l | 95 |

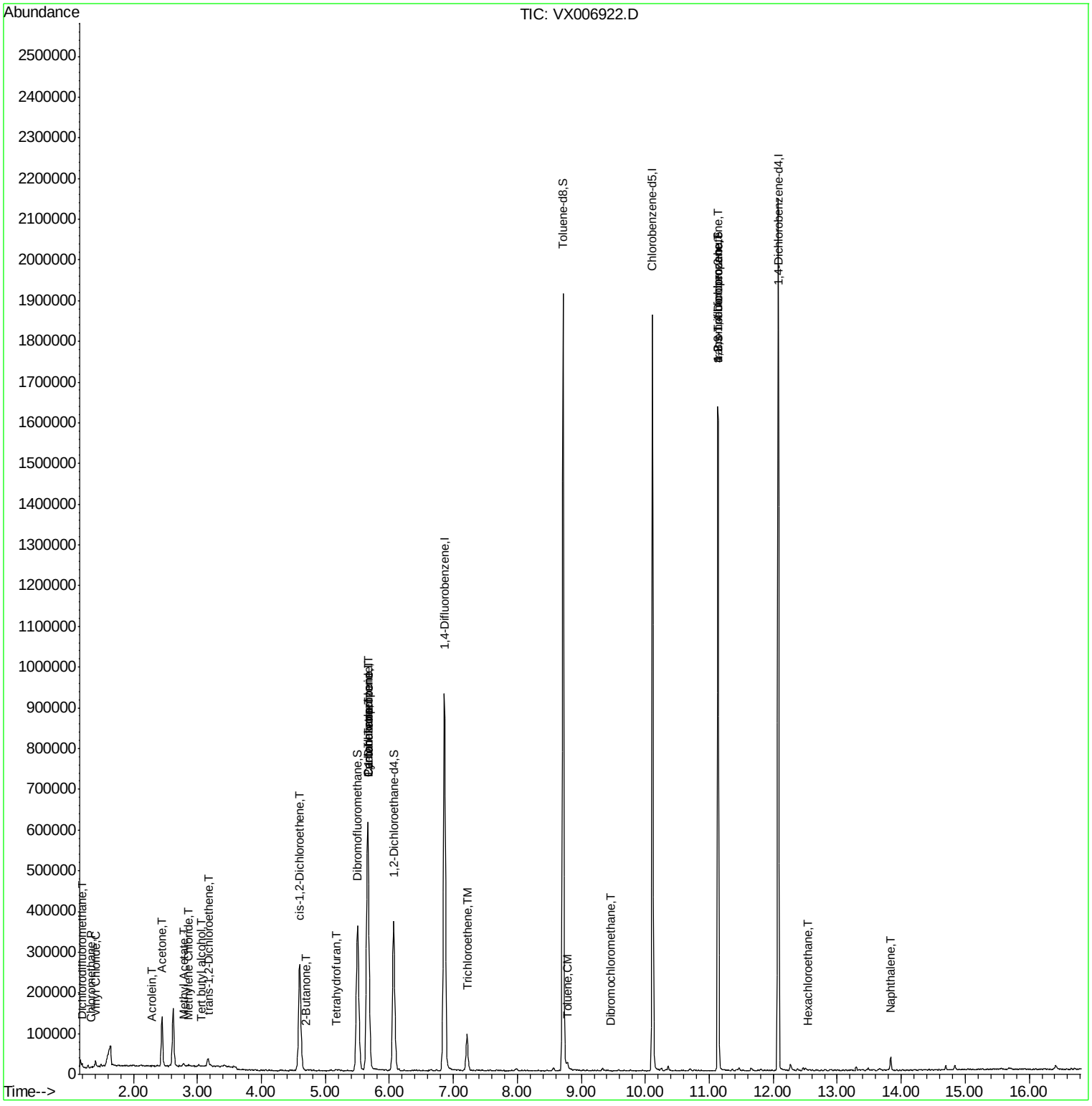
(#) = qualifier out of range (m) = manual integration (+) = signals summed

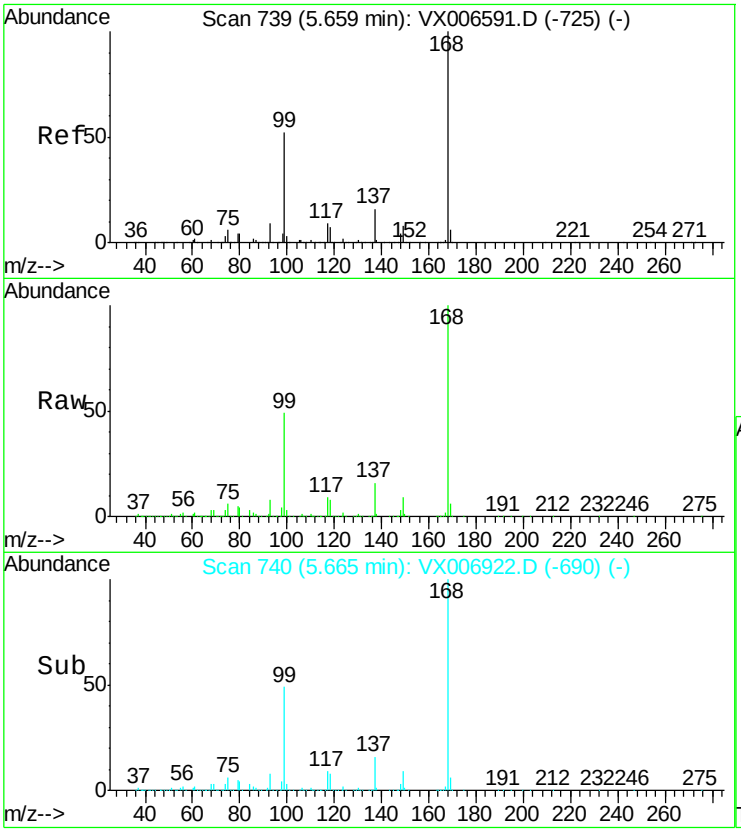
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010419\
Data File : VX006922.D
Acq On : 04 Jan 2019 19:11
Operator : JC/MD
Sample : K1057-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Quant Time: Jan 04 22:21:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration



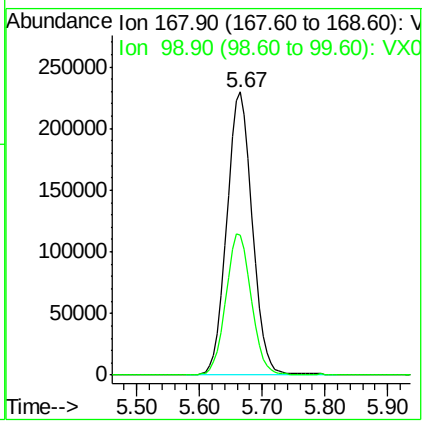


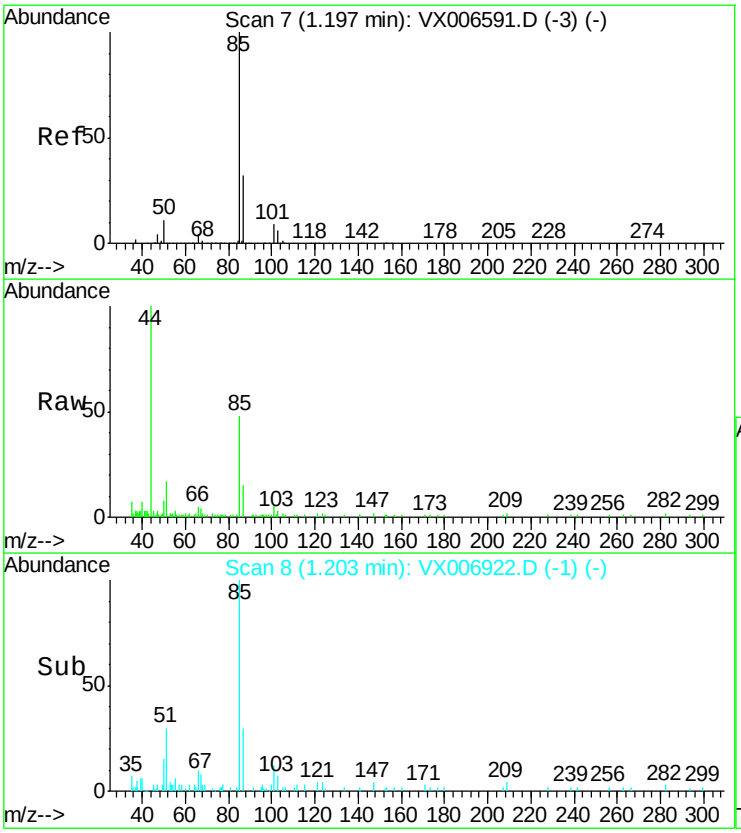

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion:168 Resp: 648517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.3 | 41.8 | 62.8 |

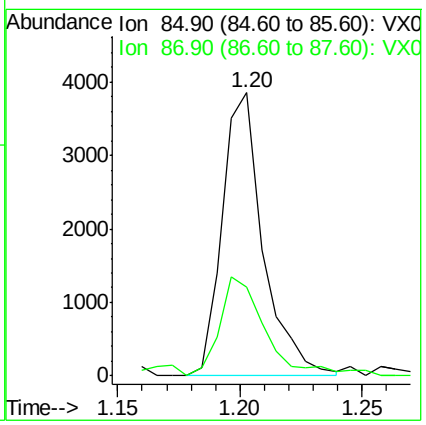


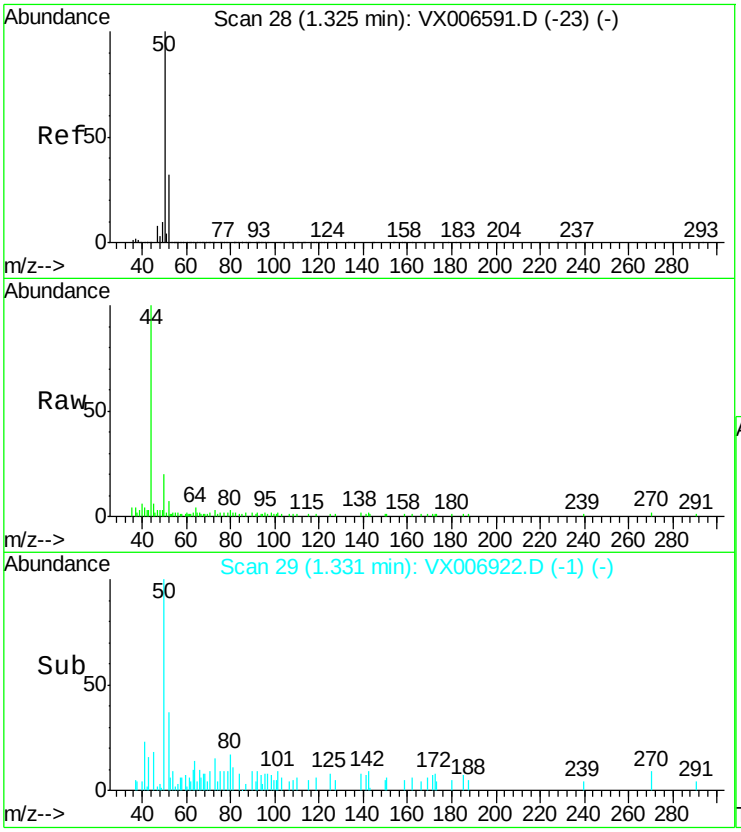




#2
Dichlorodifluoromethane
Concen: 0.754 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 85 Resp: 4476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.9 | 47.6 |



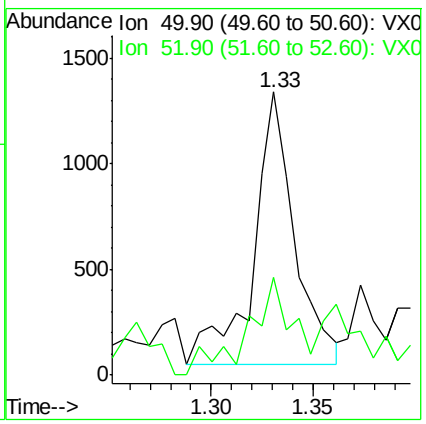


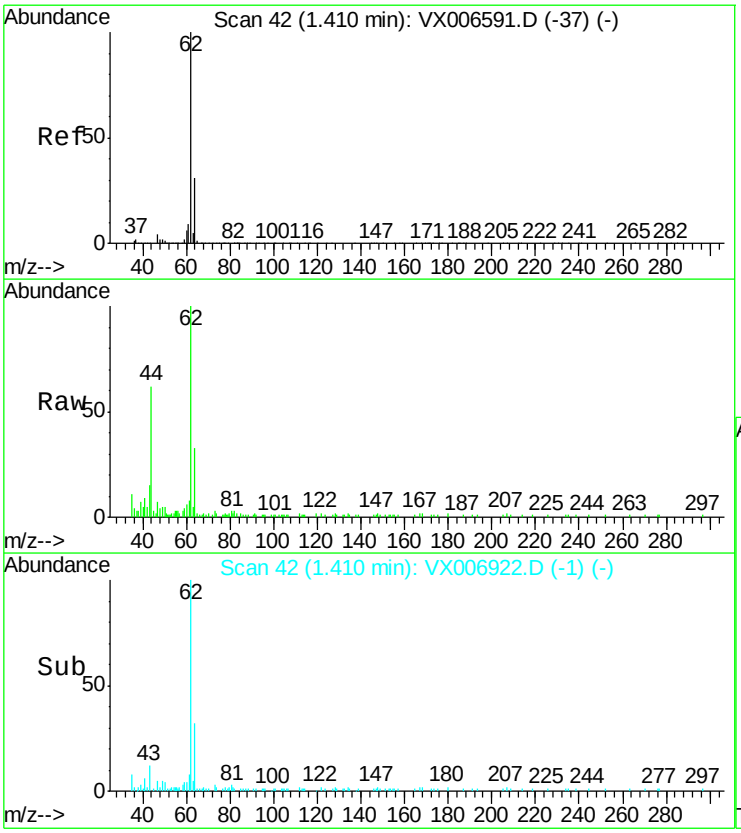

#3
Chloromethane
Concen: 0.284 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 50 Resp: 1818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.7 | 25.4 | 38.2 |

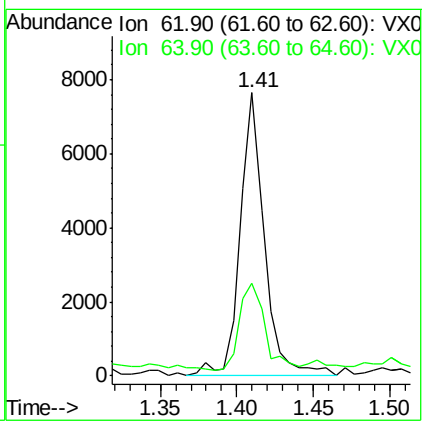


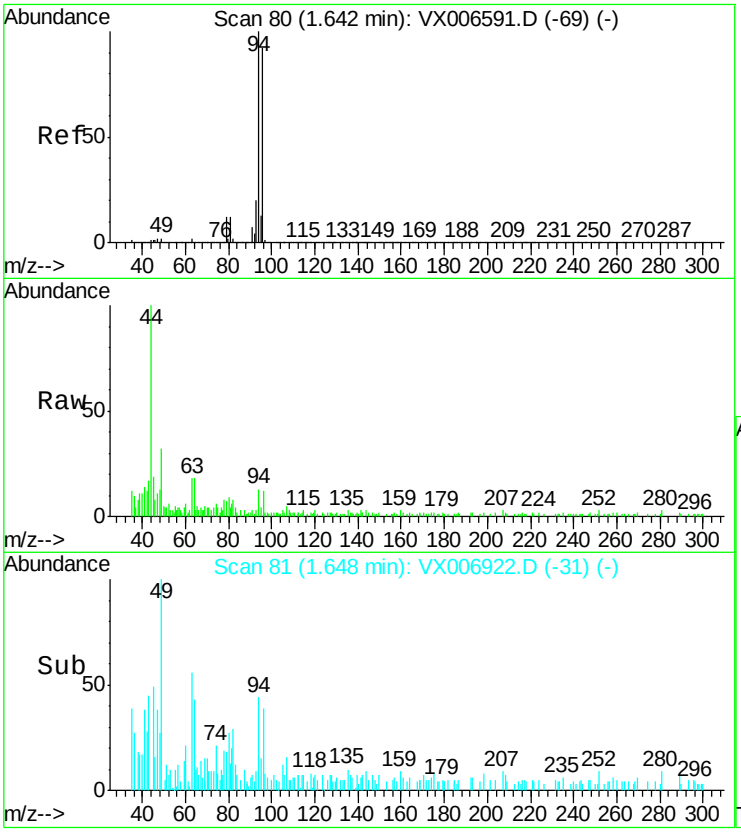




#4
Vinyl Chloride
Concen: 1.257 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 62 Resp: 8389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.9 | 25.1 | 37.7 |



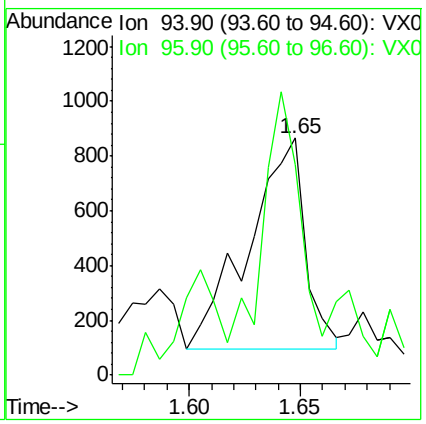


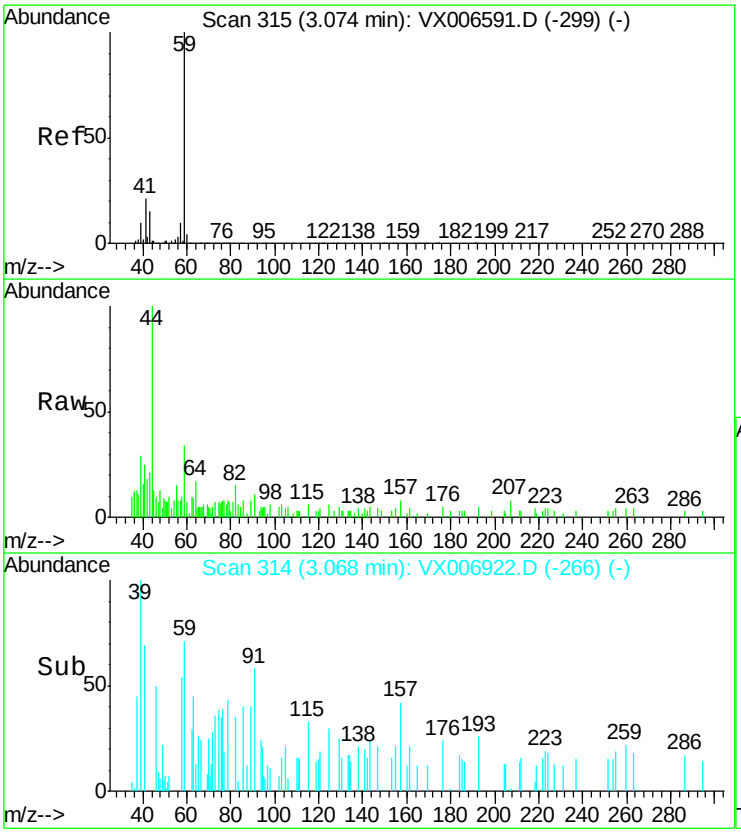

#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 94 Resp: 1364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 64.5 | 73.4 | 110.2# |

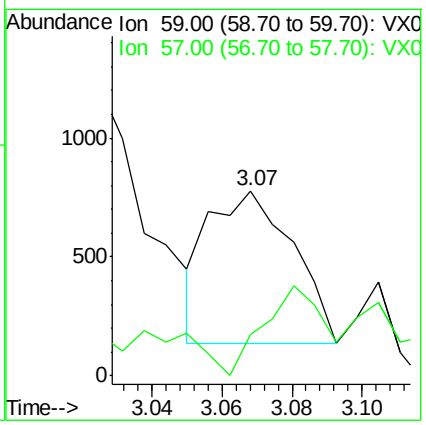


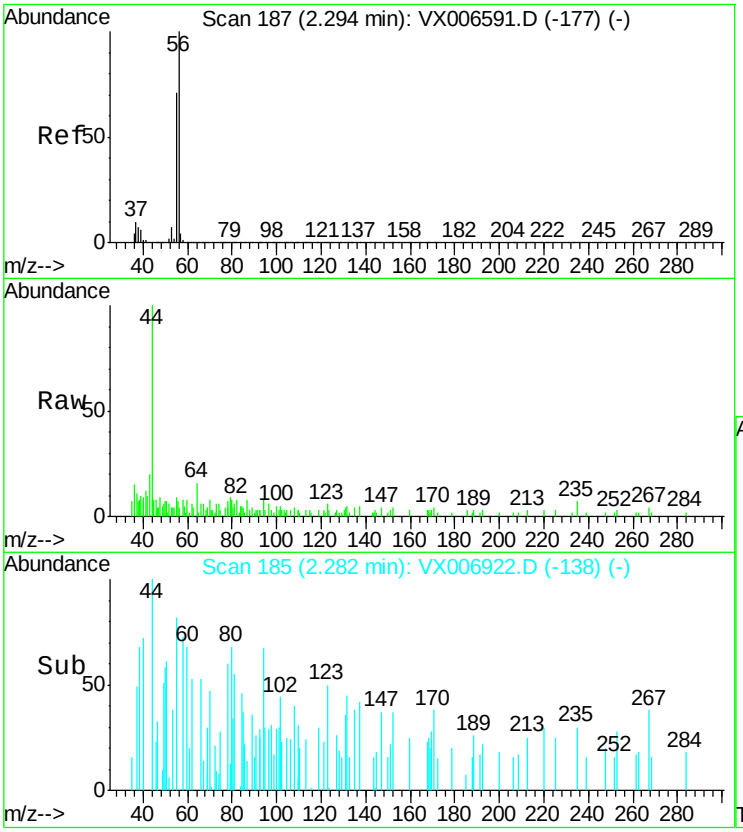




#11
Tert butyl alcohol
Concen: 0.683 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 59 Resp: 1066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 42.3 | 8.5 | 12.7# |



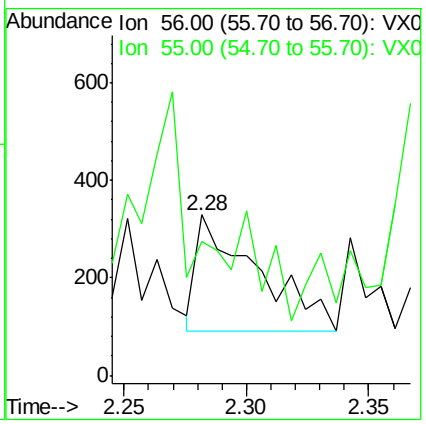


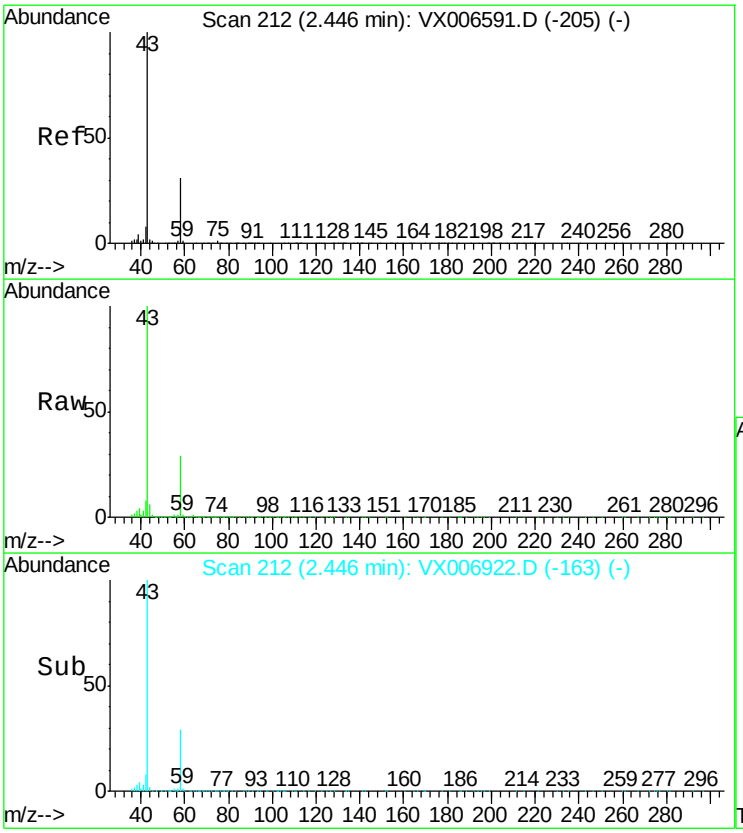

#13
Acrolein
Concen: 0.387 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 56 Resp: 407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 75.9 | 58.2 | 87.4 |

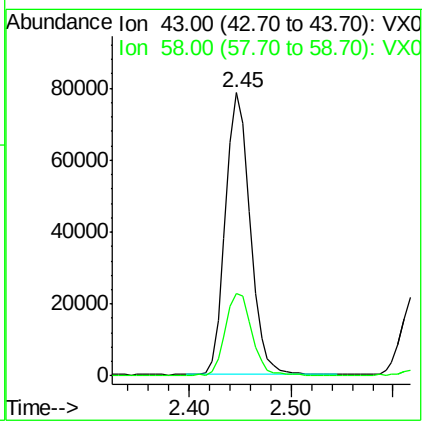


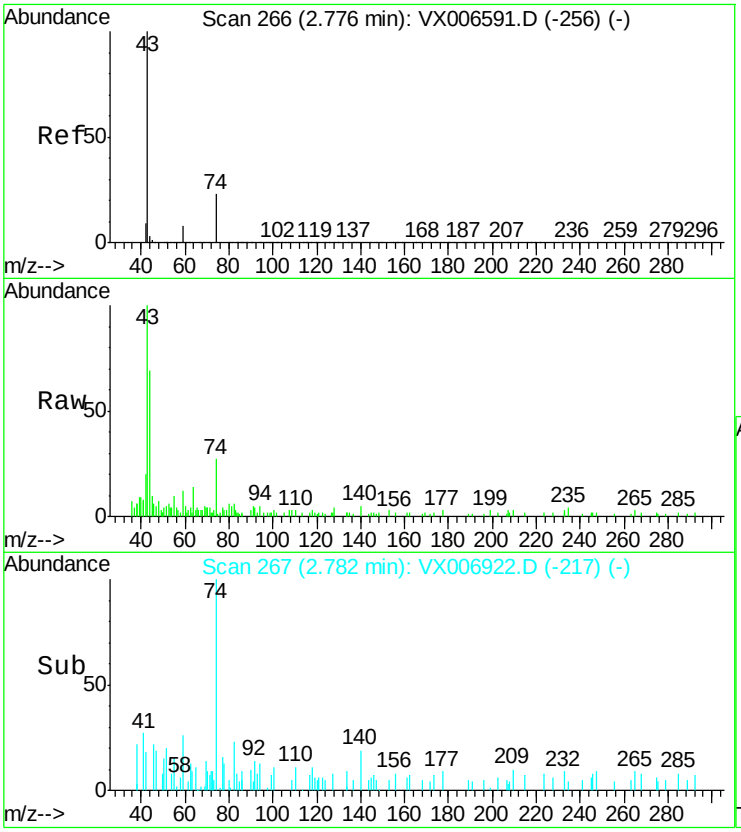




#16
Acetone
Concen: 40.874 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 43 Resp: 131253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 25.0 | 37.6 |



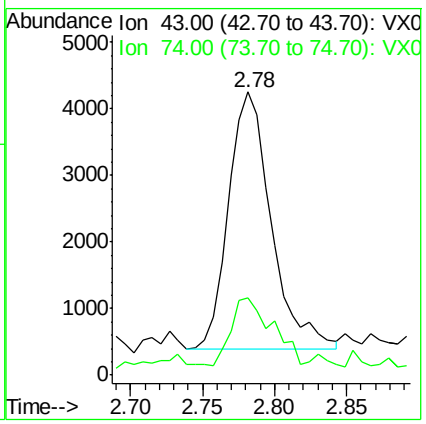


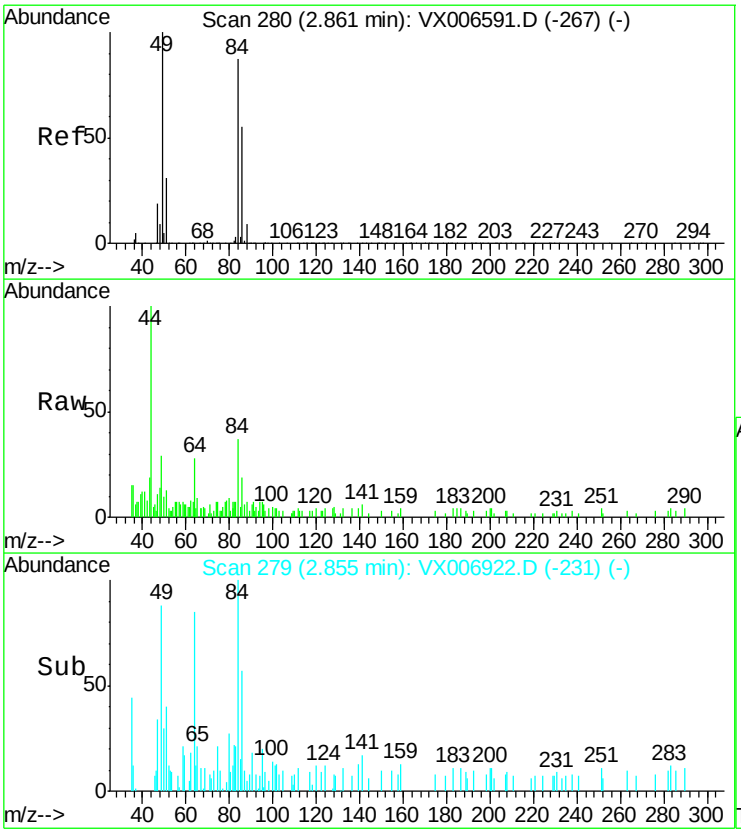

#18
Methyl Acetate
Concen: 0.845 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Tgt Ion: 43 Resp: 7981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.5 | 18.6 | 28.0 |

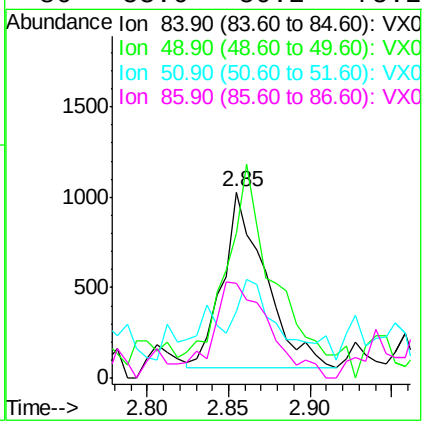


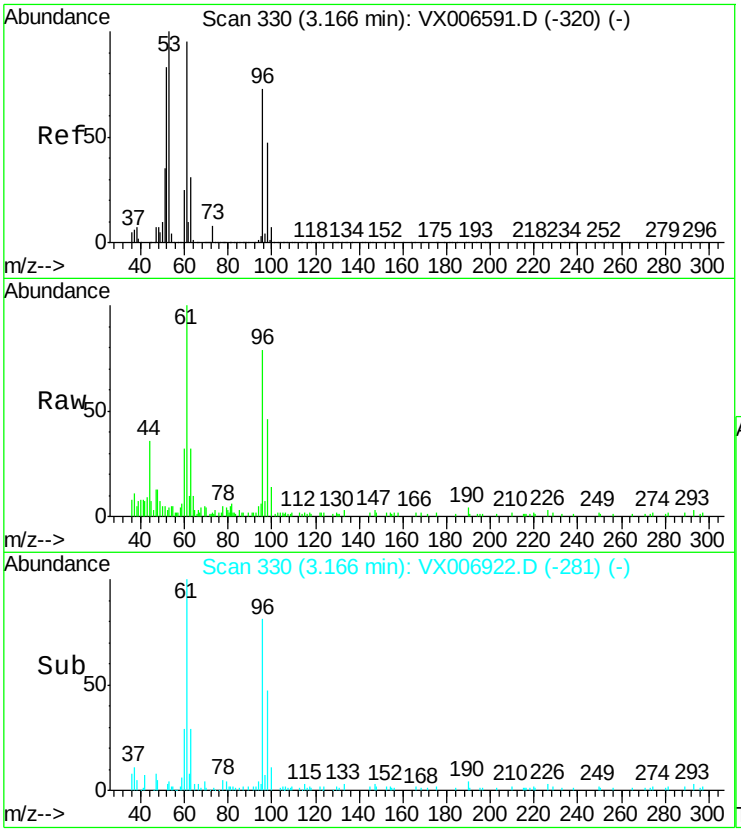




#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 84 Resp: 1774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 69.4 | 91.8 | 137.6# |
| 51 | 27.4 | 28.5 | 42.7# |
| 86 | 53.6 | 50.2 | 75.2 |



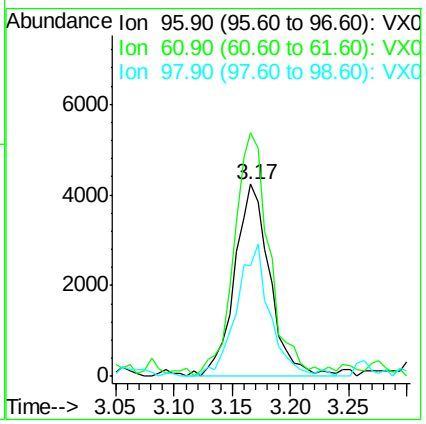


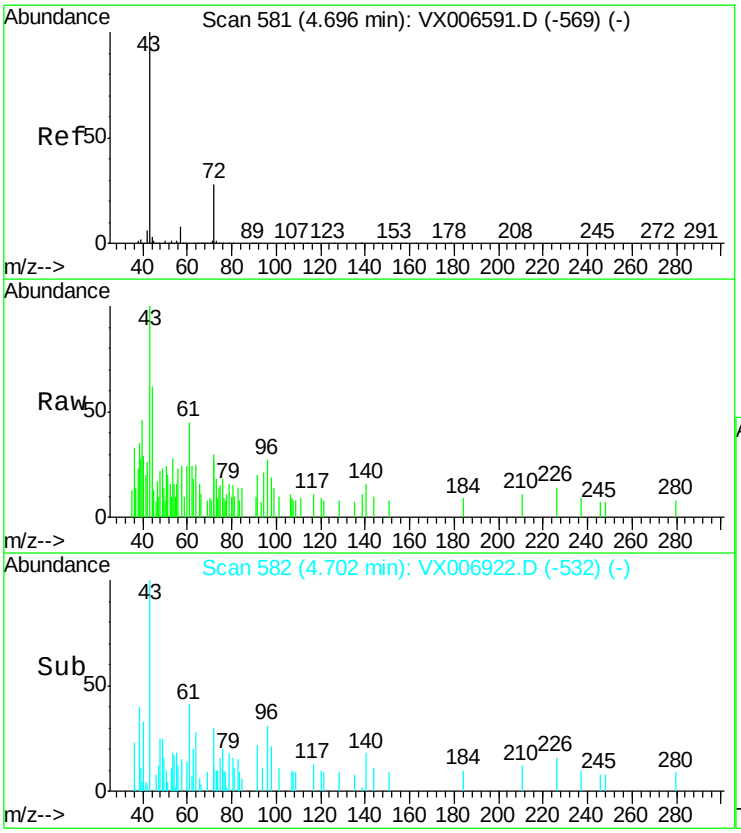

#21
trans-1,2-Dichloroethene
Concen: 1.396 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 96 Resp: 8963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 125.8 | 103.7 | 155.5 |
| 98 | 58.6 | 51.0 | 76.6 |

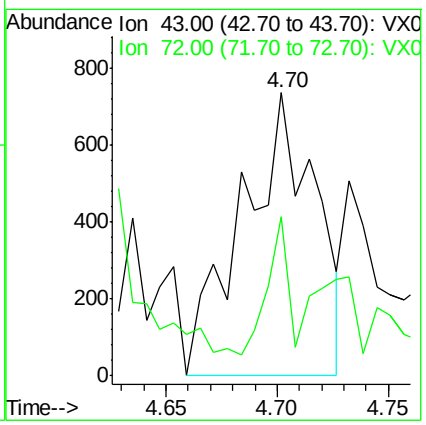


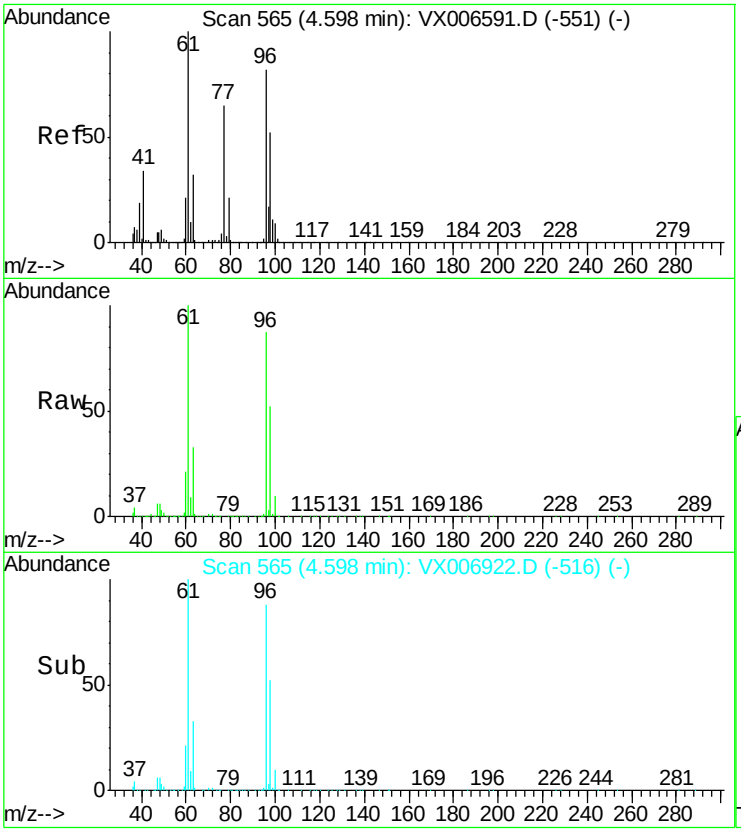




#25
2-Butanone
Concen: 0.372 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 43 Resp: 1681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 41.5 | 22.4 | 33.6# |



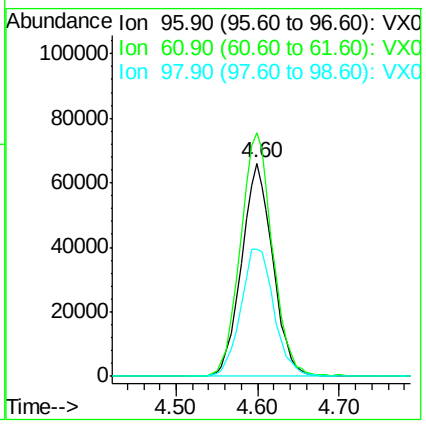


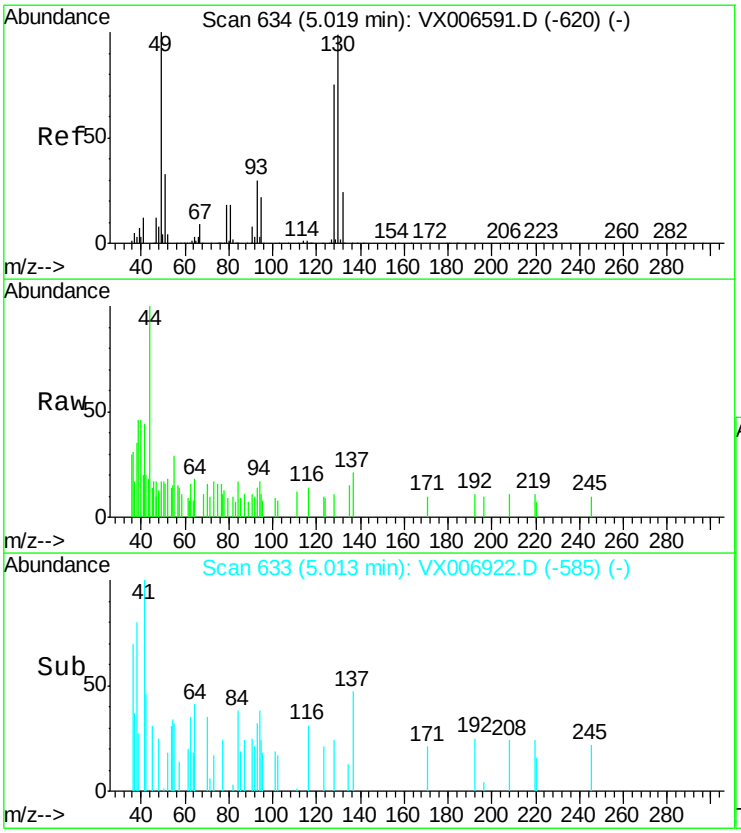

#27
cis-1,2-Dichloroethene
Concen: 24.775 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 96 Resp: 175489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 117.6 | 0.0 | 258.6 |
| 98 | 63.9 | 0.0 | 132.0 |

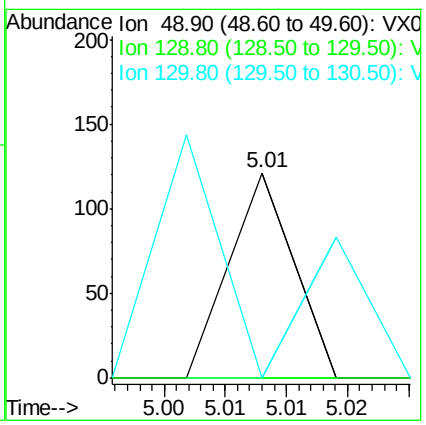


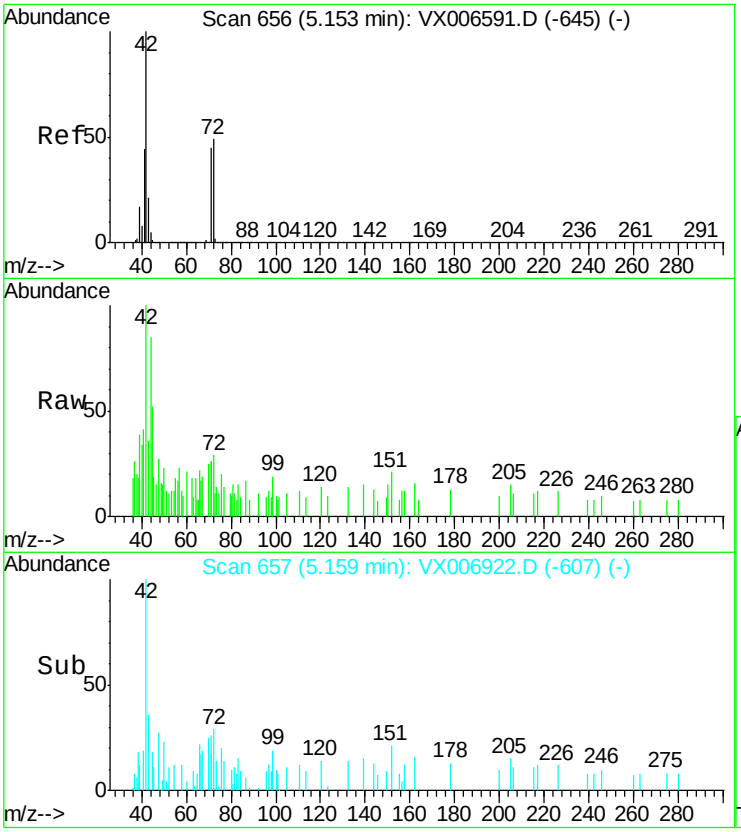




#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 49 Resp: 44

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 5.4 |
| 130 | 188.6 | 77.7 | 116.5# |



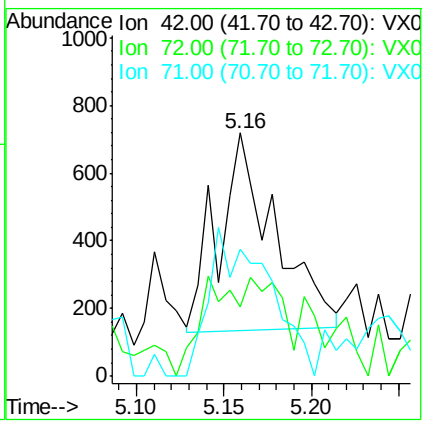


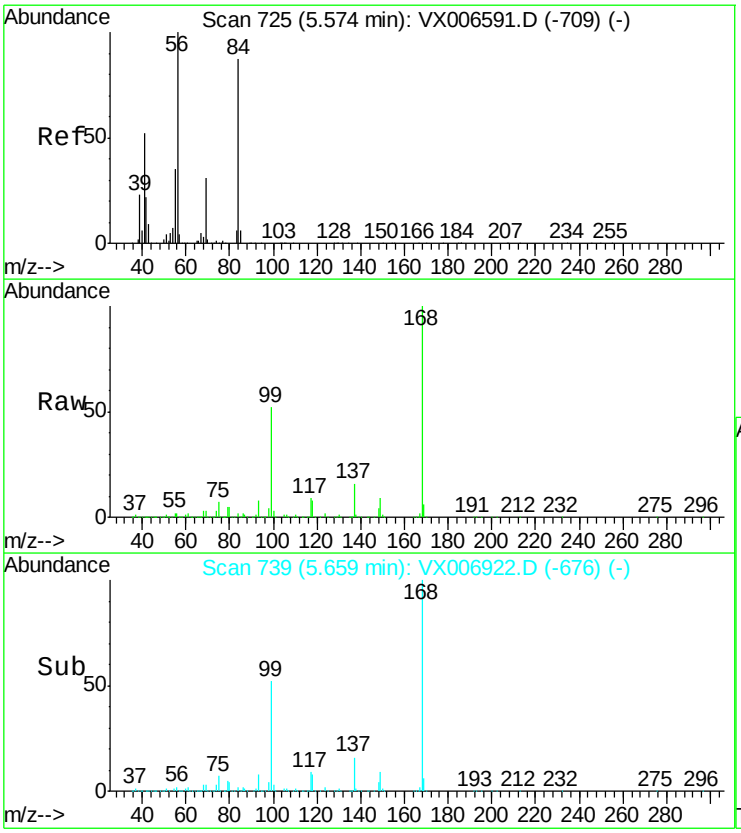

#29
Tetrahydrofuran
Concen: 0.443 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Tgt Ion: 42 Resp: 1319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 33.1 | 38.9 | 58.3# |
| 71 | 77.9 | 36.2 | 54.4# |

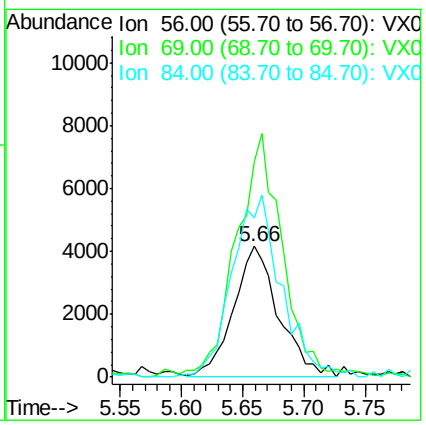


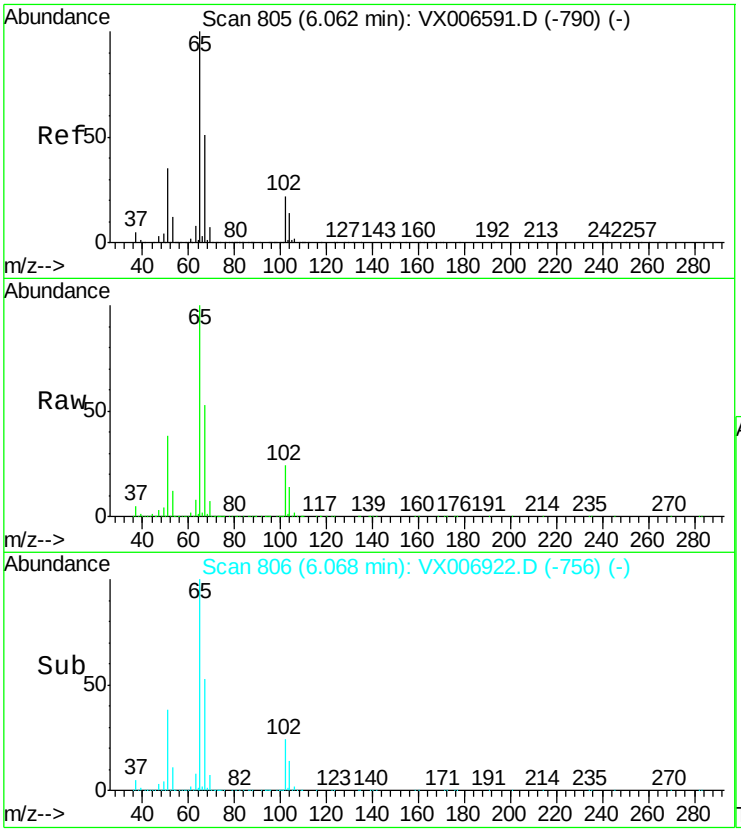




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 56 Resp: 10799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 160.2 | 24.4 | 36.6# |
| 84 | 119.7 | 70.0 | 105.0# |



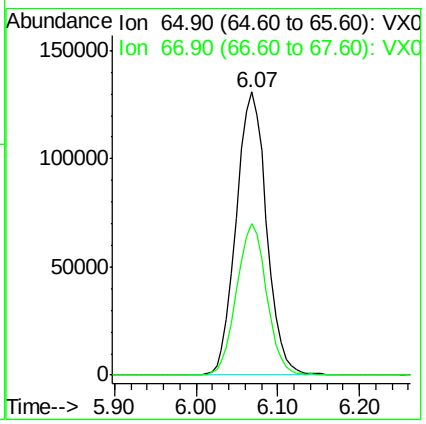


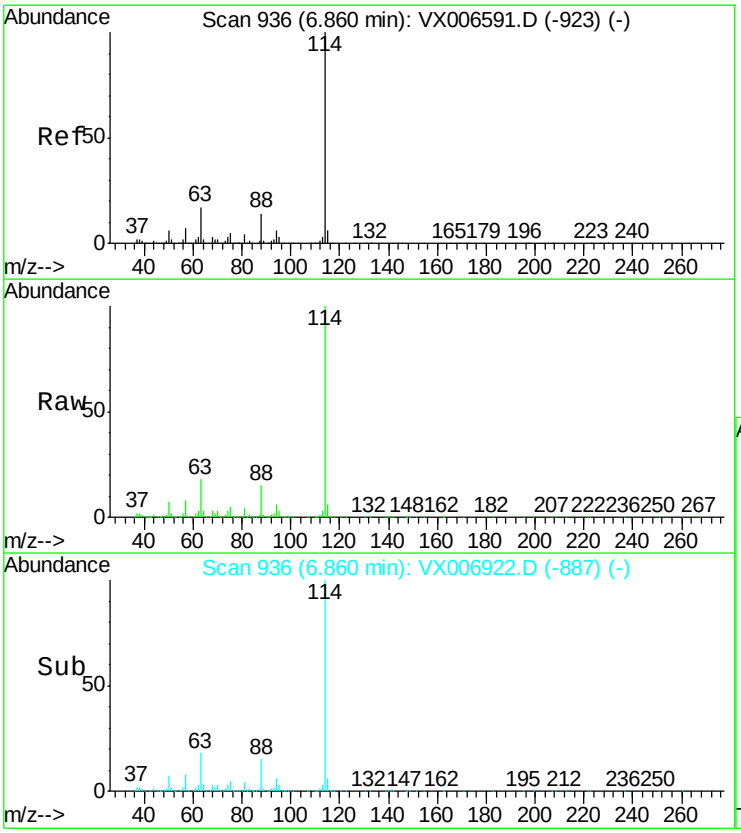

#33
1,2-Dichloroethane-d4
Concen: 48.419 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Tgt Ion: 65 Resp: 338419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.9 | 0.0 | 105.0 |

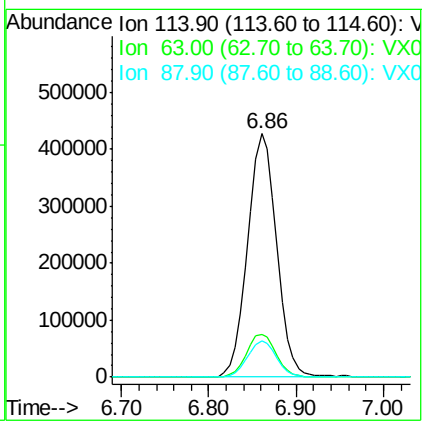


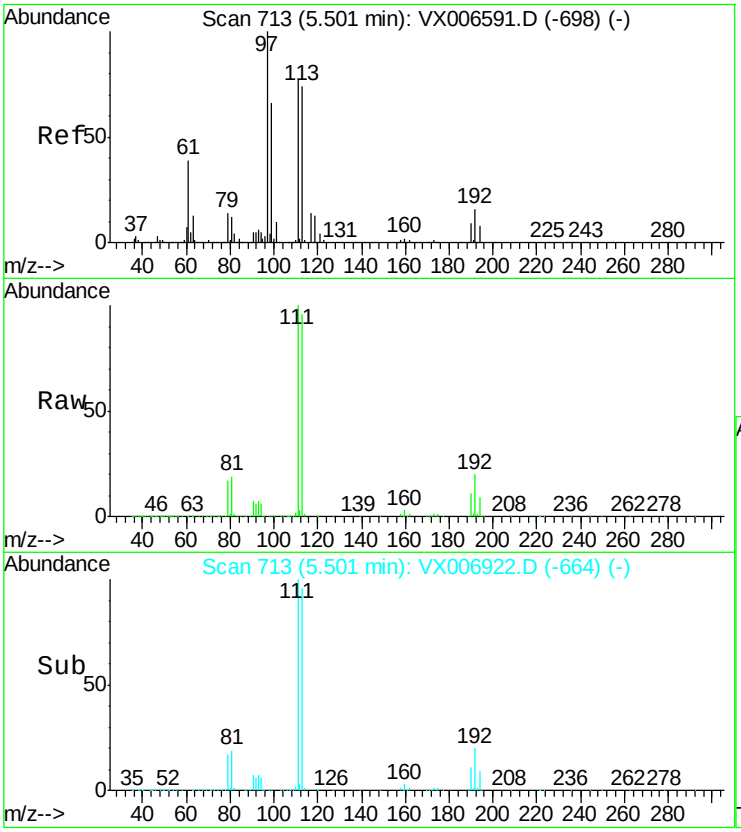




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion:114 Resp: 987738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.7 | 0.0 | 34.8 |
| 88 | 14.9 | 0.0 | 28.8 |



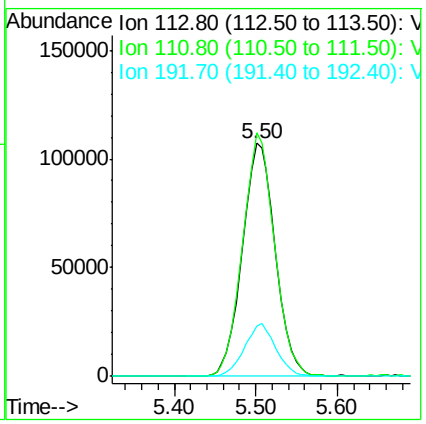


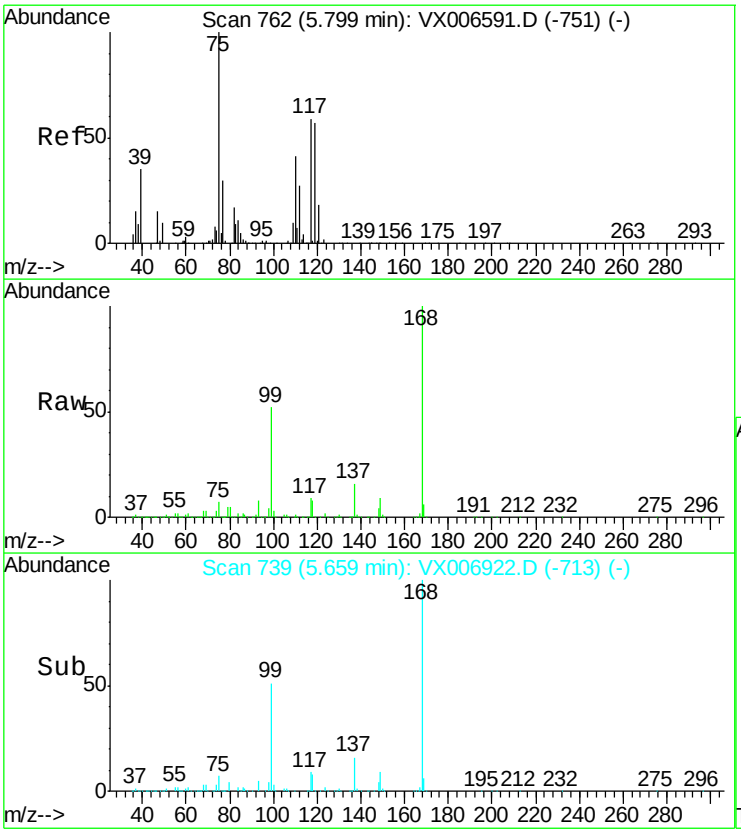

#35
Dibromofluoromethane
Concen: 48.348 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion:113 Resp: 301995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 81.6 | 122.4 |
| 192 | 21.7 | 16.7 | 25.1 |

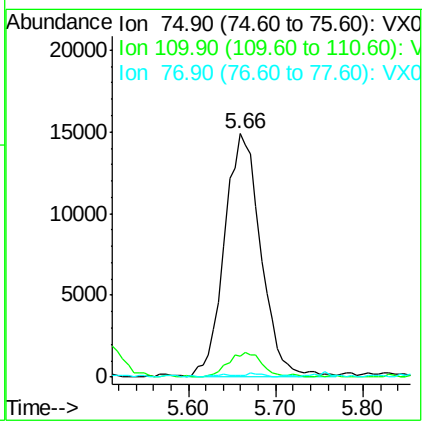


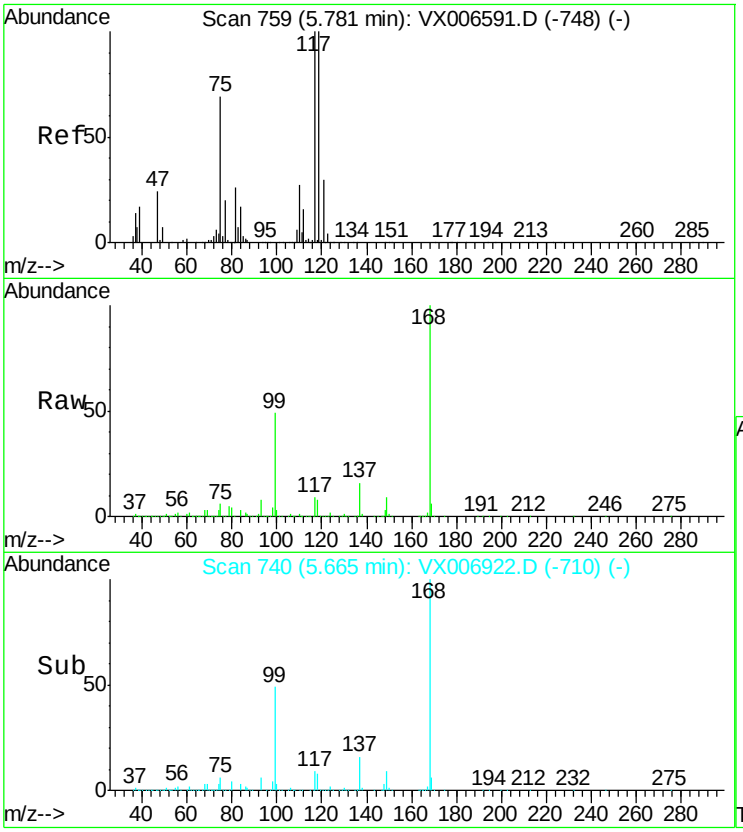




#36
1,1-Dichloropropene
Concen: 5.212 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 75 Resp: 42635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.4 | 20.2 | 60.5# |
| 77 | 0.8 | 24.8 | 37.2# |



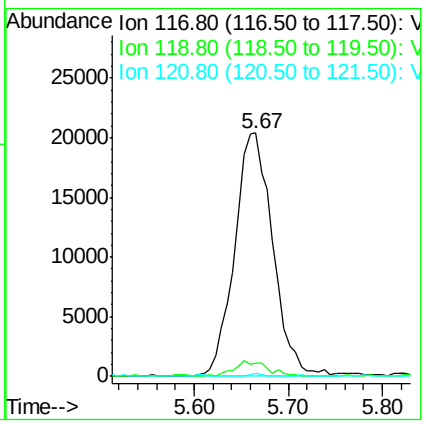


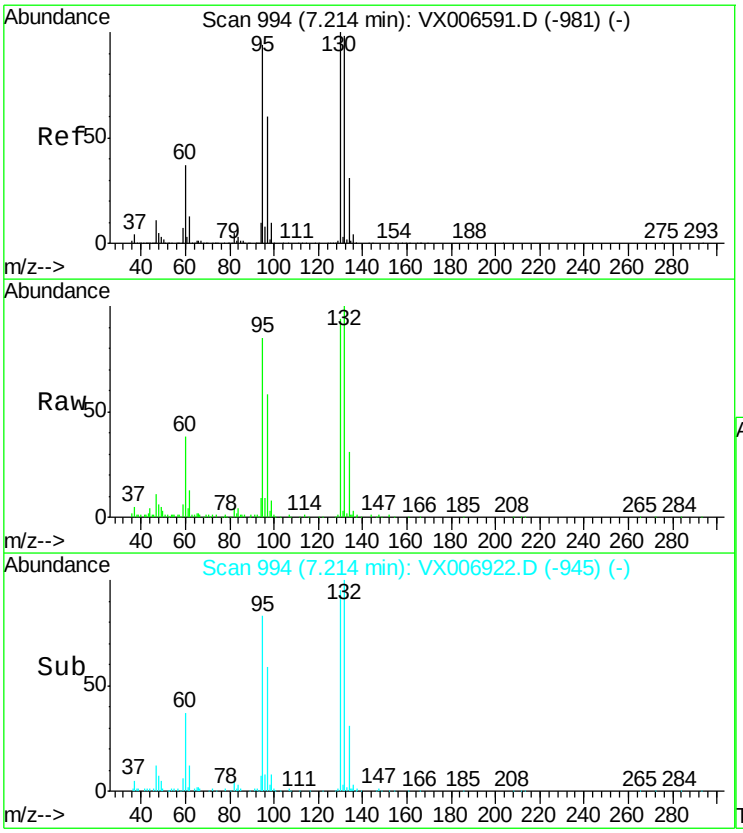

#38
Carbon Tetrachloride
Concen: 7.289 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Tgt Ion:117 Resp: 57947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.4 | 79.4 | 119.2# |
| 121 | 1.0 | 24.0 | 36.0# |

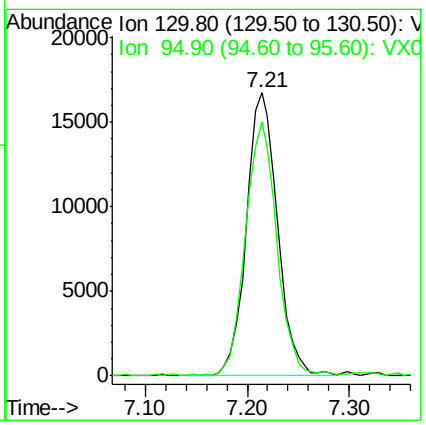


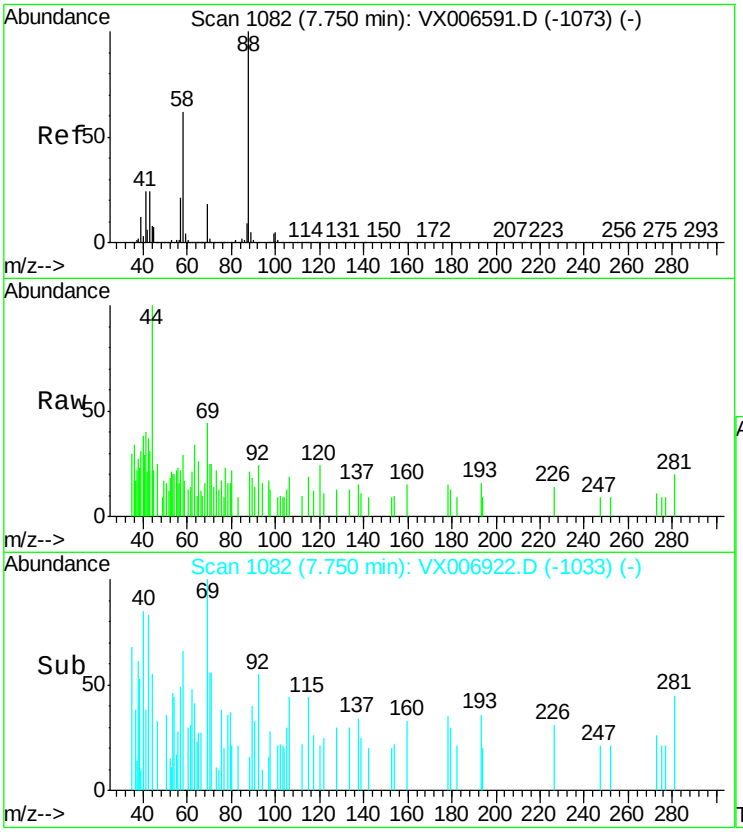




#44
Trichloroethene
Concen: 4.740 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion:130 Resp: 35676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 89.5 | 0.0 | 187.0 |



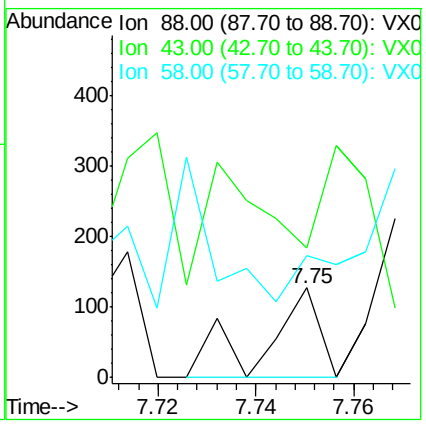


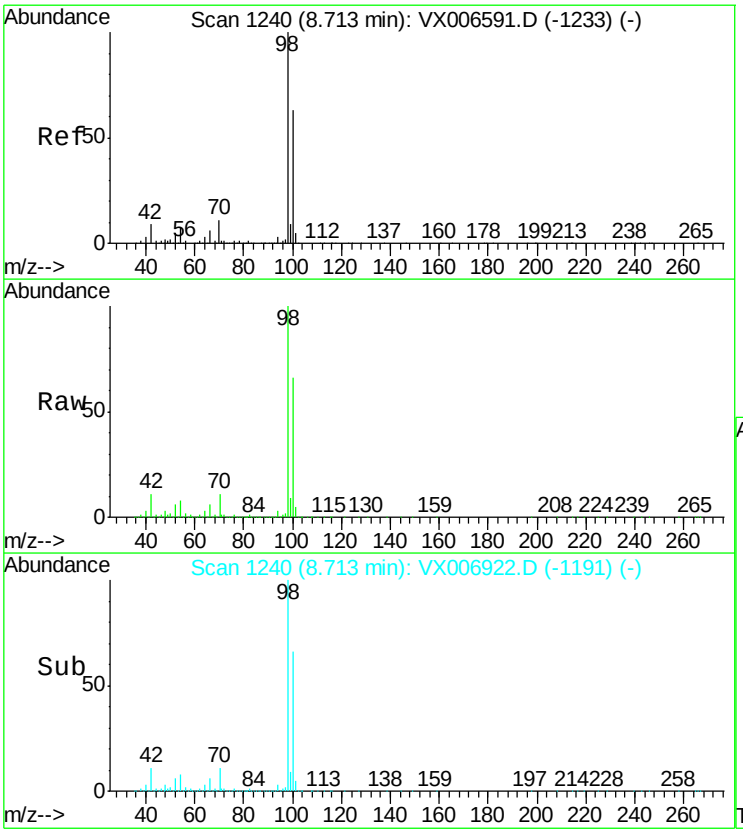

#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Tgt Ion: 88 Resp: 96

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 158.3 | 22.2 | 33.4# |
| 58 | 0.0 | 51.0 | 76.4# |

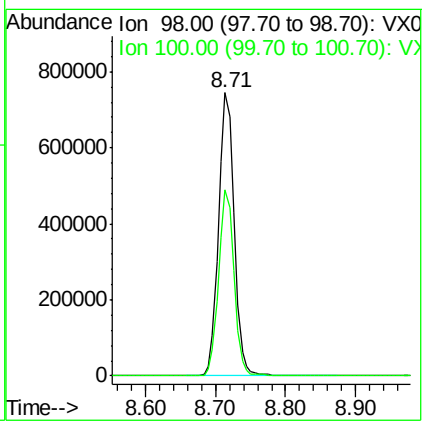


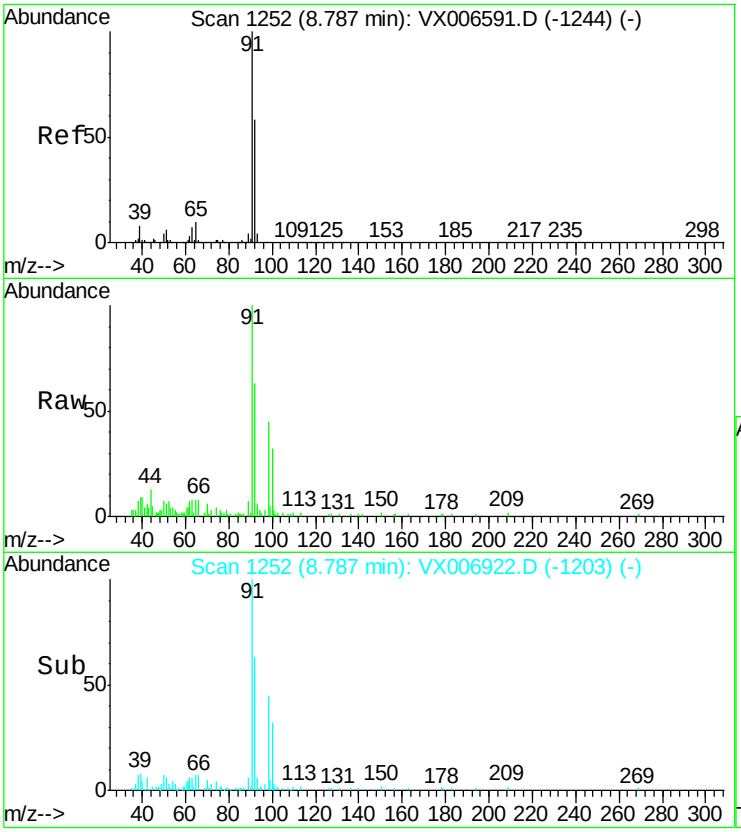




#50
Toluene-d8
Concen: 49.558 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 98 Resp: 1167033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 52.0 | 78.0 |



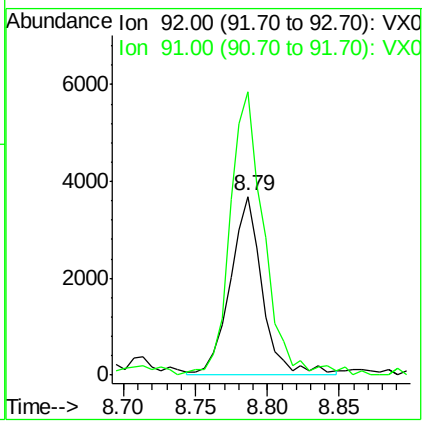


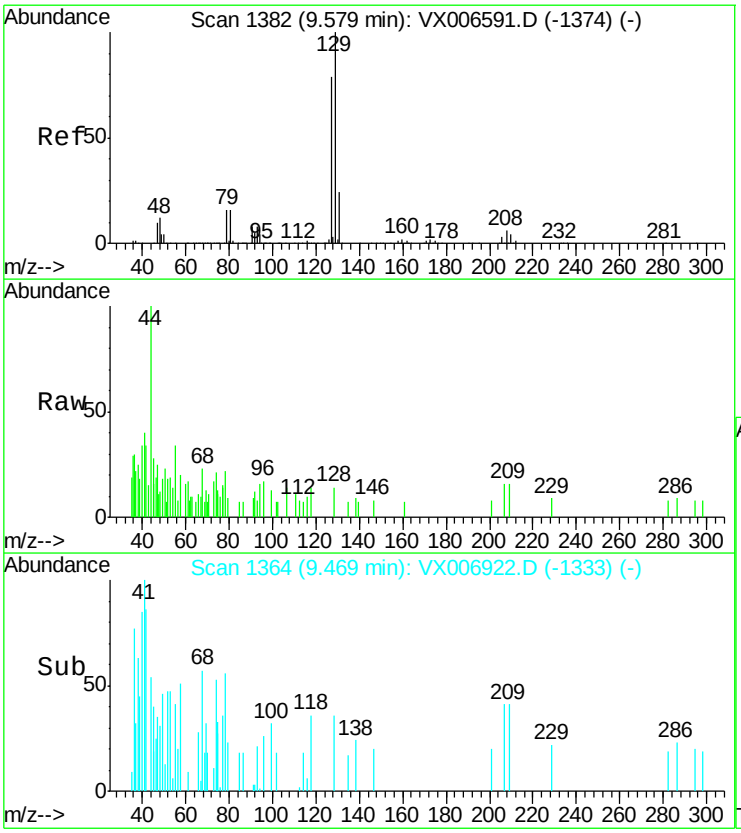

#52
Toluene
Concen: 0.360 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 92 Resp: 5778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 164.1 | 137.6 | 206.4 |

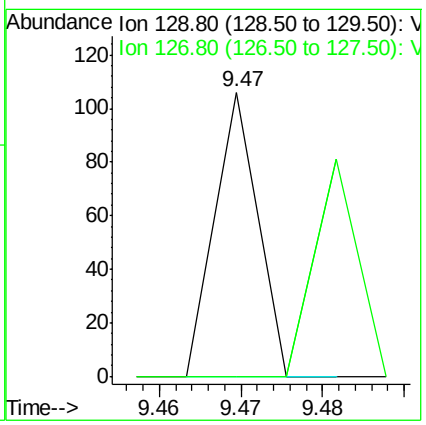


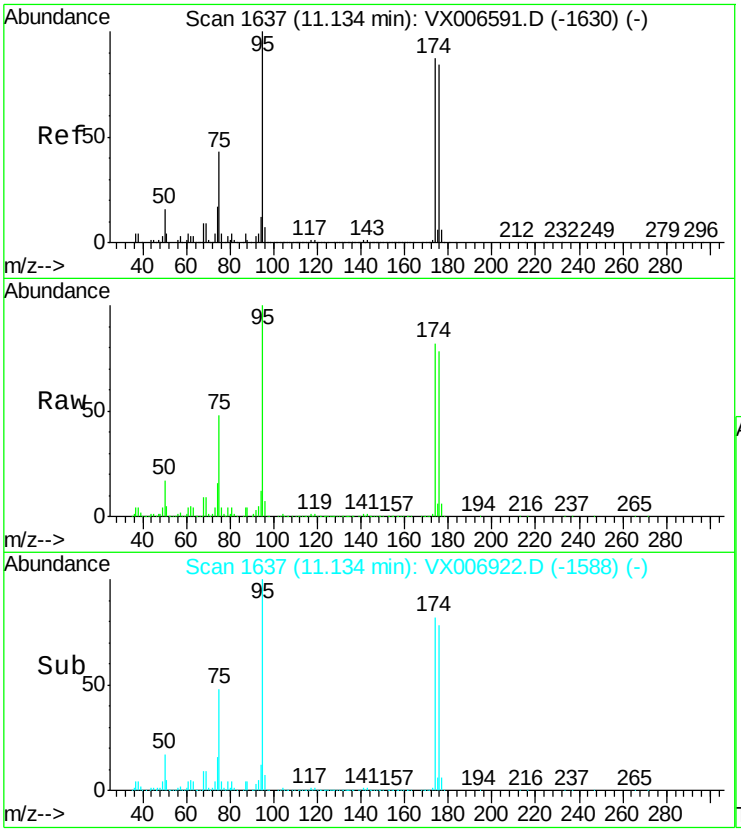




#60
Dibromochloromethane
Concen: 2.330 ug/l
RT: 9.47 min Scan# 1364
Delta R.T. -0.11 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion:129 Resp: 39

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 39.3 | 117.8 |



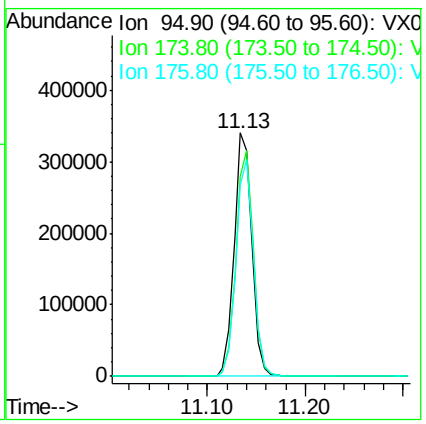


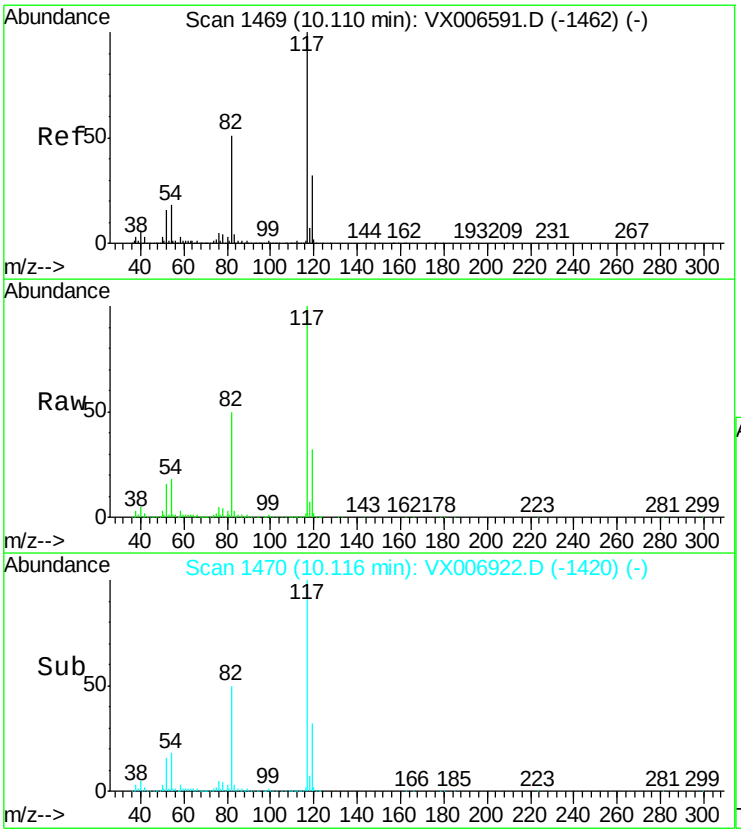

#62
4-Bromofluorobenzene
Concen: 49.251 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 95 Resp: 424761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.5 | 0.0 | 182.2 |
| 176 | 87.9 | 0.0 | 178.8 |

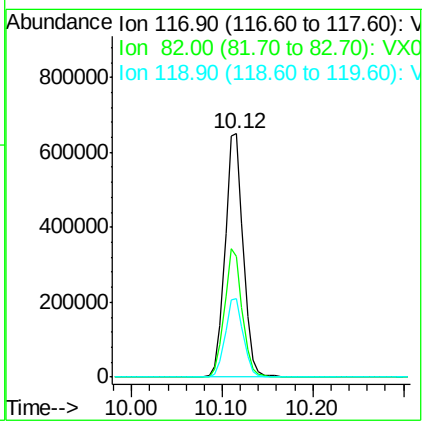


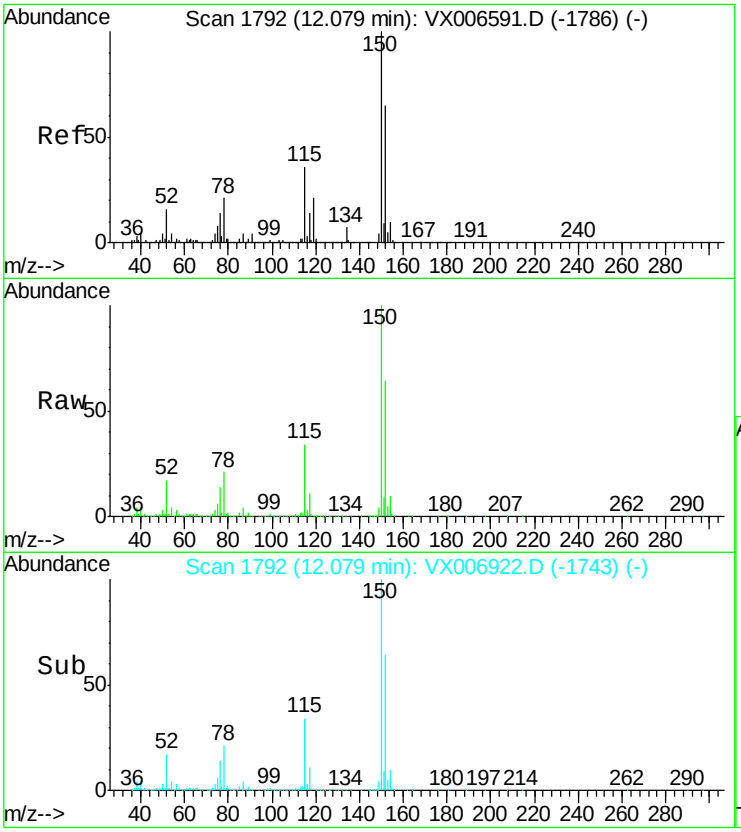




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion:117 Resp: 915864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.5 | 41.0 | 61.6 |
| 119 | 32.5 | 25.4 | 38.0 |



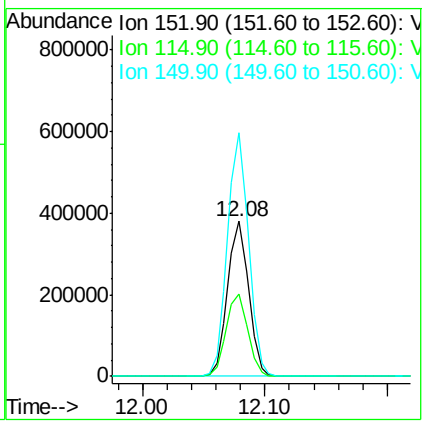


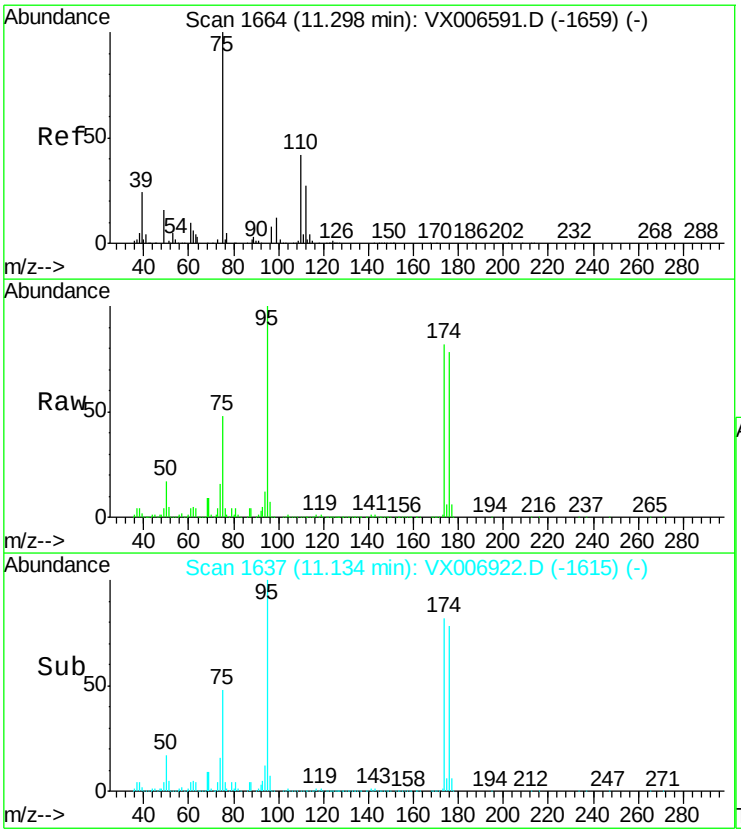

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :** MSVOA_X
**ClientSampleId :** S32-0649

Tgt Ion:152 Resp: 451599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.7 | 39.1 | 117.2 |
| 150 | 157.6 | 0.0 | 344.8 |

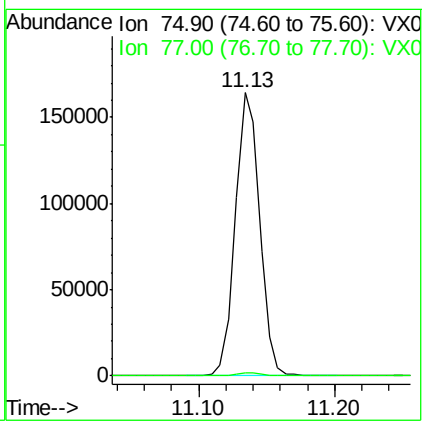


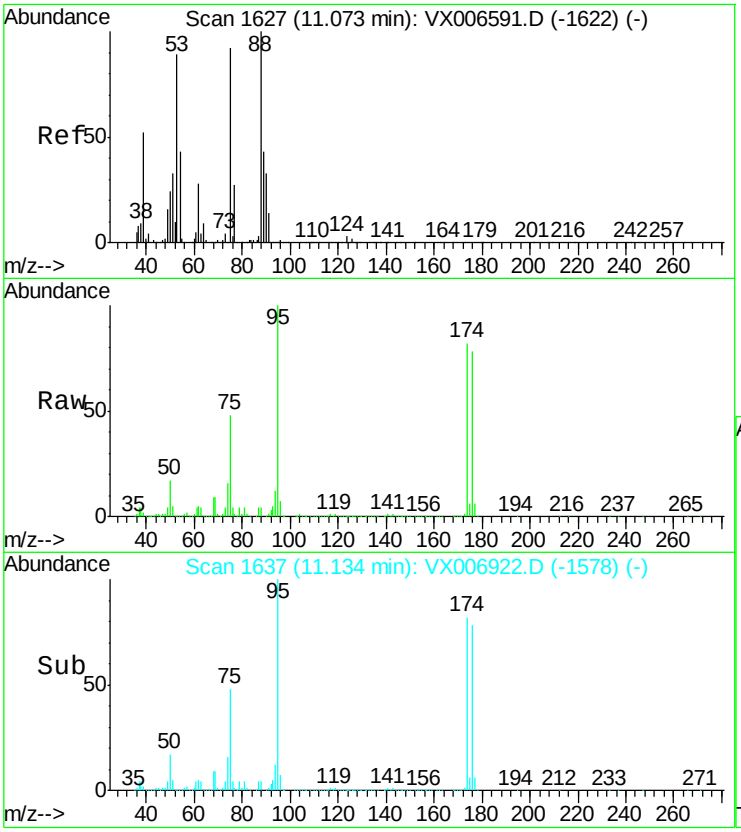




#76
1,2,3-Trichloropropane
Concen: 24.363 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion: 75 Resp: 204465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 18.5 | 55.5# |



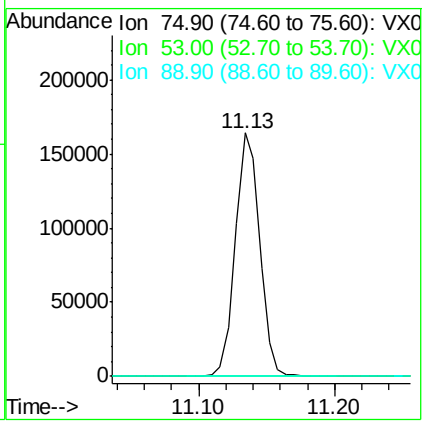


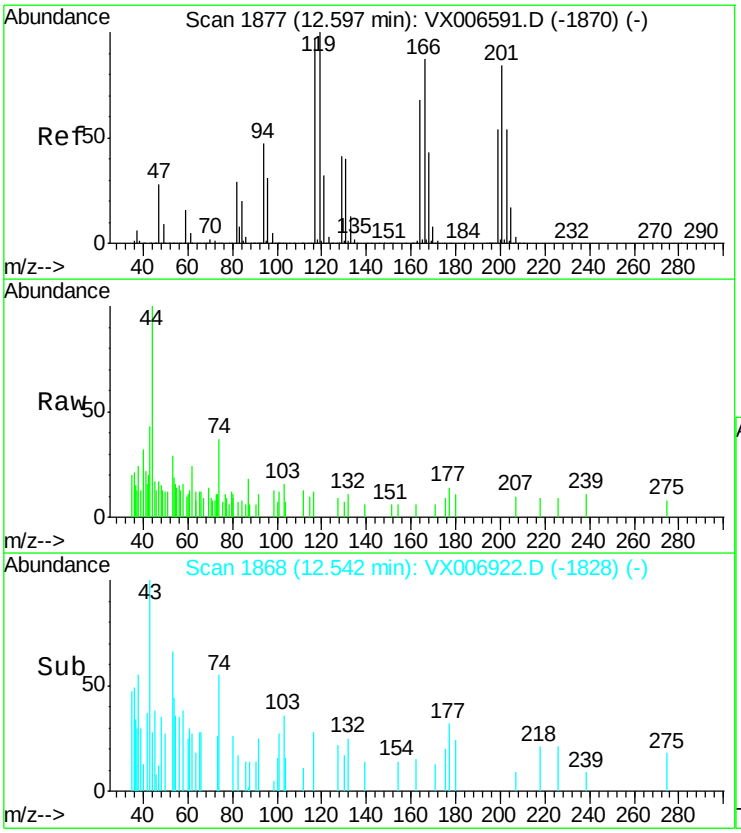

#81
trans-1,4-Dichloro-2-butene
Concen: 72.098 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion: 75 Resp: 204465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 79.7 | 119.5# |
| 89 | 0.0 | 38.0 | 57.0# |

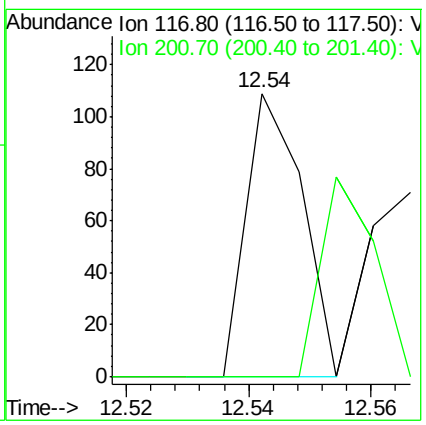


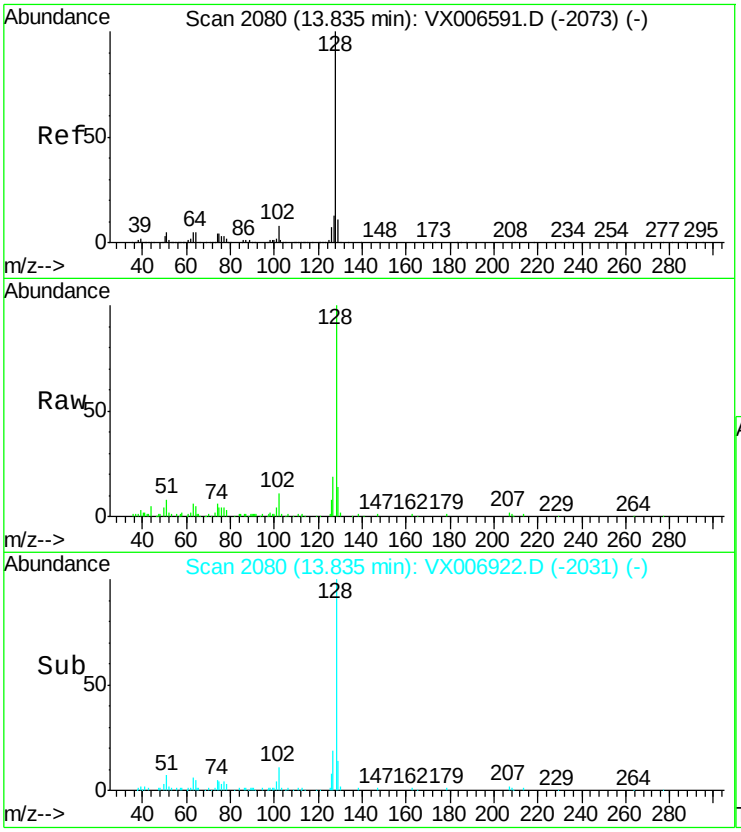




#90
Hexachloroethane
Concen: 3.308 ug/l
RT: 12.54 min Scan# 1868
Delta R.T. -0.05 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

Tgt Ion:117 Resp: 69

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.1 | 42.9 | 128.7 |






#95
Naphthalene
Concen: 0.646 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006922.D
Acq: 04 Jan 2019 19:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
S32-0649

Tgt Ion:128 Resp: 21417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.9 | 10.1 | 15.1 |
| 129 | 12.2 | 8.6 | 13.0 |