Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061720\
Data File : VX016822.D
Acq On : 17 Jun 2020 17:20
Operator : JC/SP
Sample : L3004-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** Z1-DUP-0570-200611

Quant Time: Jun 18 00:46:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.64 | 168 | 258443 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.83 | 114 | 410702 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 410115 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 208275 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 144315 | 49.65 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.30% | | | | |
| 35) Dibromofluoromethane | 5.47 | 113 | 123712 | 48.82 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.64% | | | | |
| 50) Toluene-d8 | 8.70 | 98 | 606706 | 64.93 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 129.86% | | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 200195 | 56.02 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 112.04% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.18 | 85 | 315 | 0.253 | ug/l | | 81 |
| 3) Chloromethane | 1.31 | 50 | 637 | 0.226 | ug/l | # | 30 |
| 5) Bromomethane | 1.64 | 94 | 478 | 0.256 | ug/l | # | 47 |
| 11) Tert butyl alcohol | 3.01 | 59 | 298 | 0.408 | ug/l | # | 73 |
| 12) 1,1-Dichloroethene | 2.36 | 96 | 626 | 0.248 | ug/l | # | 52 |
| 13) Acrolein | 2.27 | 56 | 523 | 3.972 | ug/l | | 94 |
| 15) Acrylonitrile | 3.11 | 53 | 572 | 0.386 | ug/l | | 95 |
| 16) Acetone | 2.42 | 43 | 2333 | 1.769 | ug/l | # | 81 |
| 17) Carbon Disulfide | 2.56 | 76 | 6871 | 0.950 | ug/l | | 96 |
| 21) trans-1,2-Dichloroethene | 3.14 | 96 | 641 | 0.236 | ug/l | # | 76 |
| 25) 2-Butanone | 4.65 | 43 | 513 | 0.258 | ug/l | # | 44 |
| 31) Cyclohexane | 5.54 | 56 | 143 | 0.733 | ug/l | # | 18 |
| 36) 1,1-Dichloropropene | 5.63 | 75 | 17272 | 4.759 | ug/l | # | 50 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 23882 | 5.794 | ug/l | # | 17 |
| 39) Methylcyclohexane | 7.44 | 83 | 421 | 1.051 | ug/l | # | 77 |
| 44) Trichloroethene | 7.19 | 130 | 812 | 0.238 | ug/l | | 70 |
| 59) 2-Hexanone | 9.47 | 43 | 626 | 0.211 | ug/l | | 65 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 95040 | 21.699 | ug/l | # | 37 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 95040 | 54.627 | ug/l | # | 13 |
| 89) n-Butylbenzene | 12.37 | 91 | 2490 | 0.256 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180 | 1891 | 0.414 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.76 | 225 | 1179 | 0.995 | ug/l | | 87 |
| 95) Naphthalene | 13.82 | 128 | 4139 | 0.289 | ug/l | | 97 |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180 | 2014 | 0.448 | ug/l | | 99 |

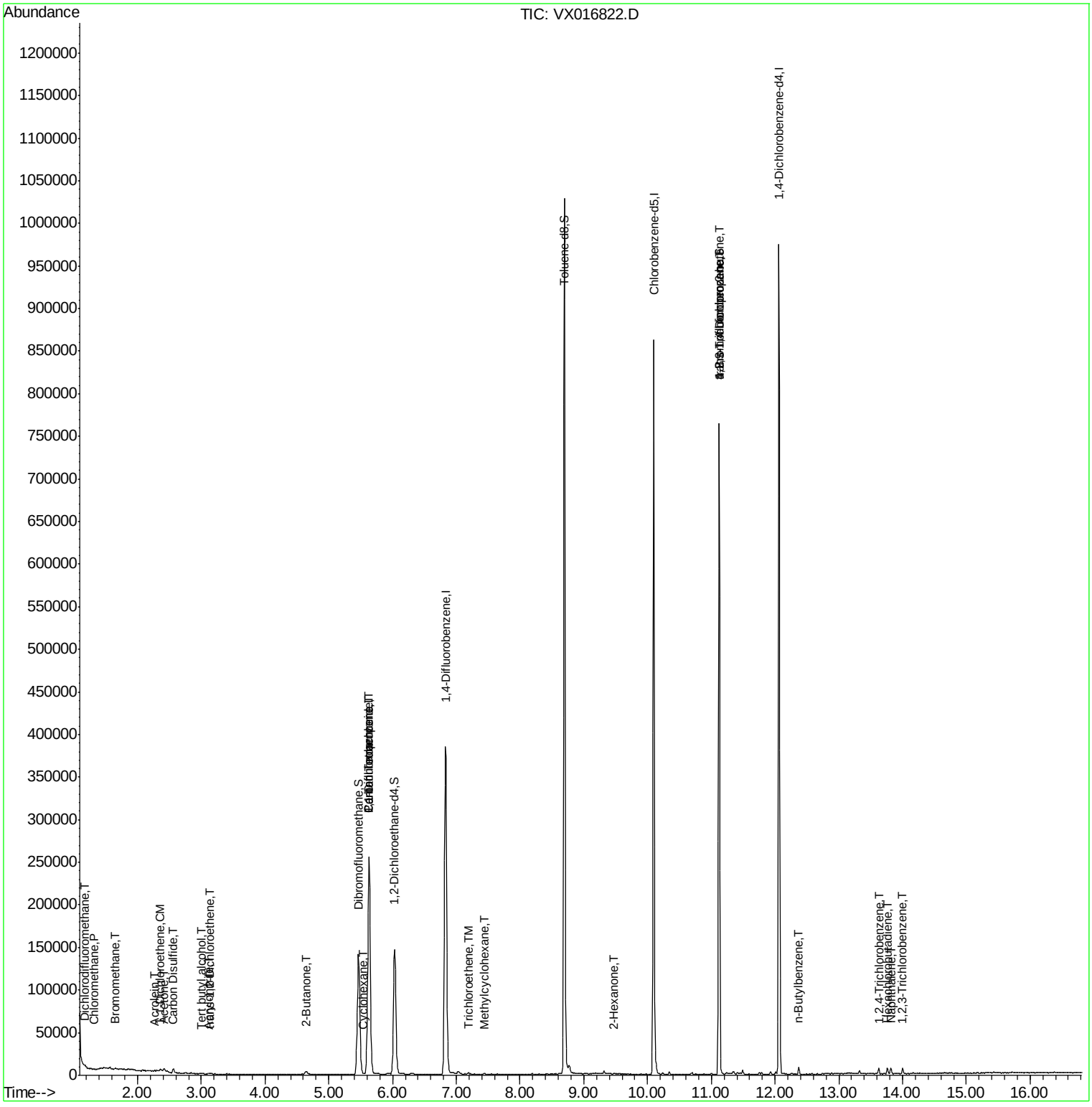
(#) = qualifier out of range (m) = manual integration (+) = signals summed

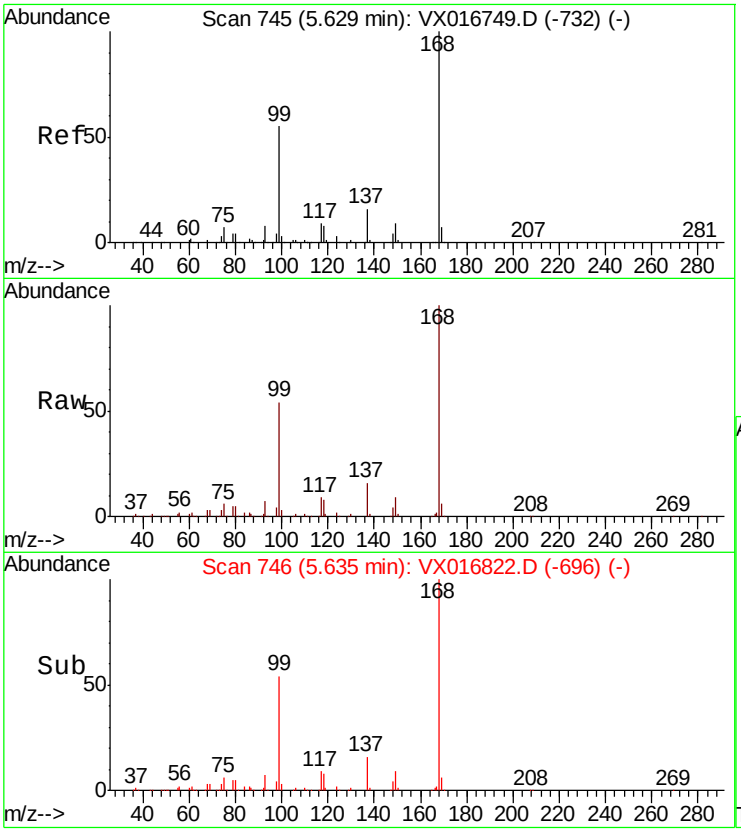
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061720\
Data File : VX016822.D
Acq On : 17 Jun 2020 17:20
Operator : JC/SP
Sample : L3004-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Quant Time: Jun 18 00:46:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration



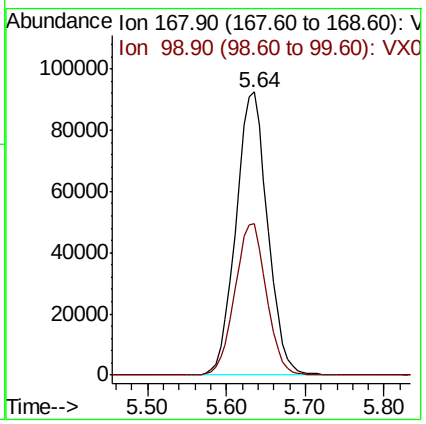


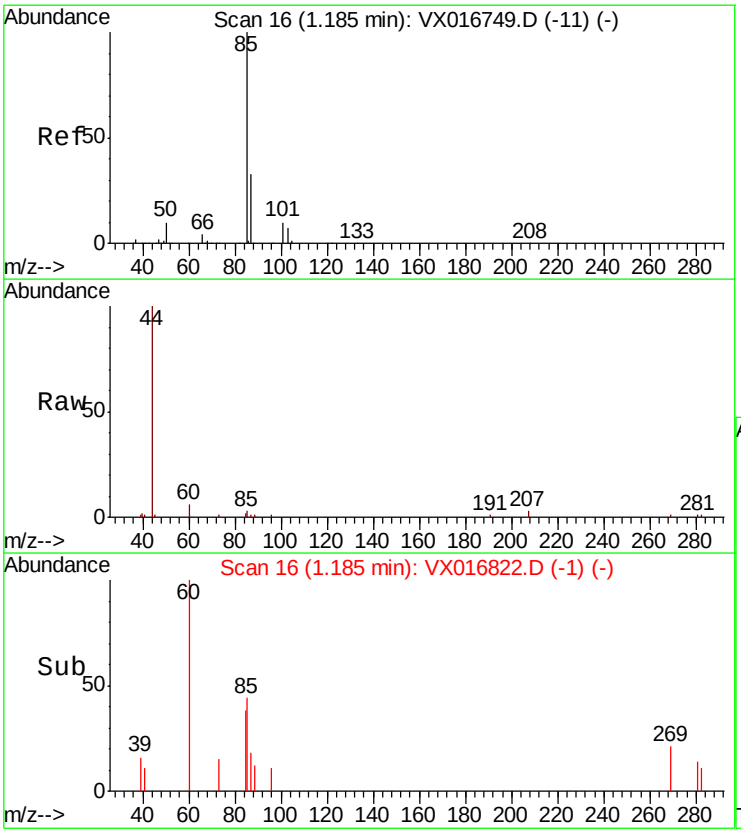

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion:168 Resp: 258443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.6 | 43.8 | 65.6 |

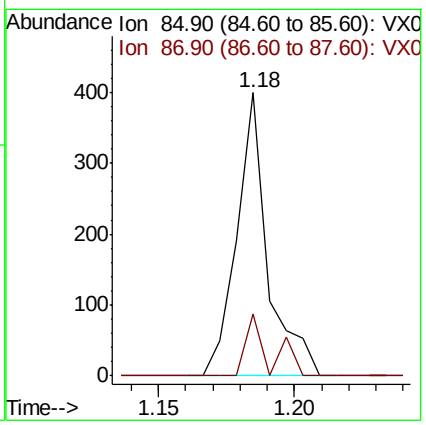


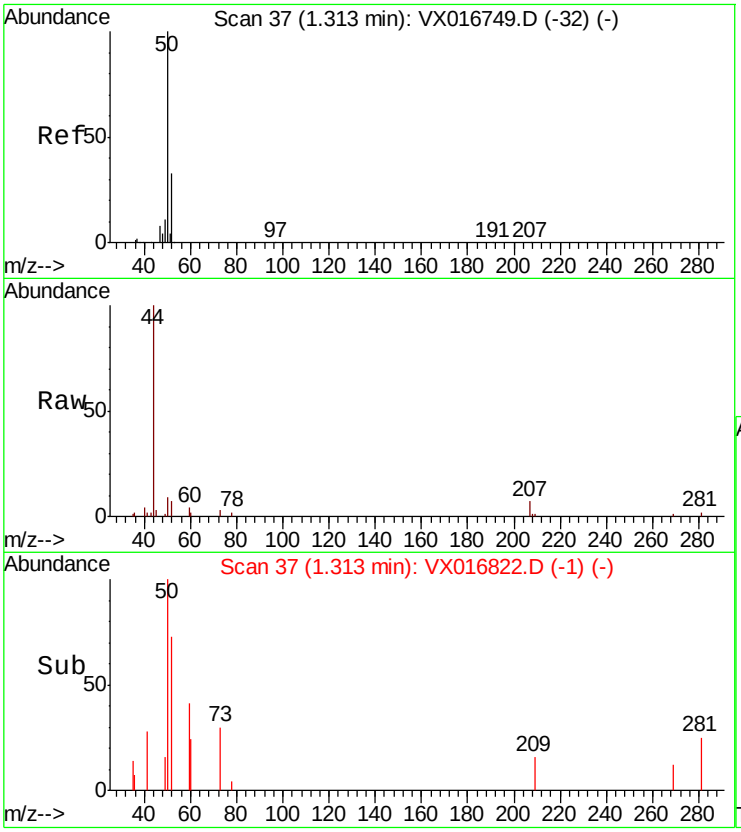




#2
Dichlorodifluoromethane
Concen: 0.253 ug/l
RT: 1.18 min Scan# 16
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 85 Resp: 315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 22.1 | 16.4 | 49.2 |



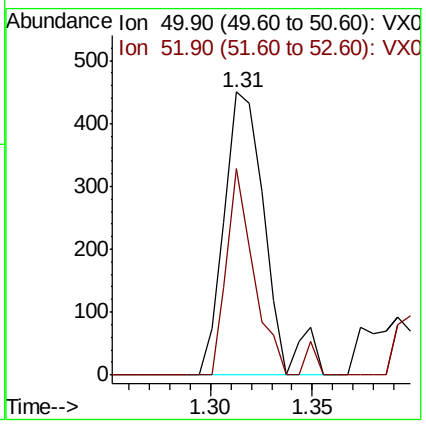


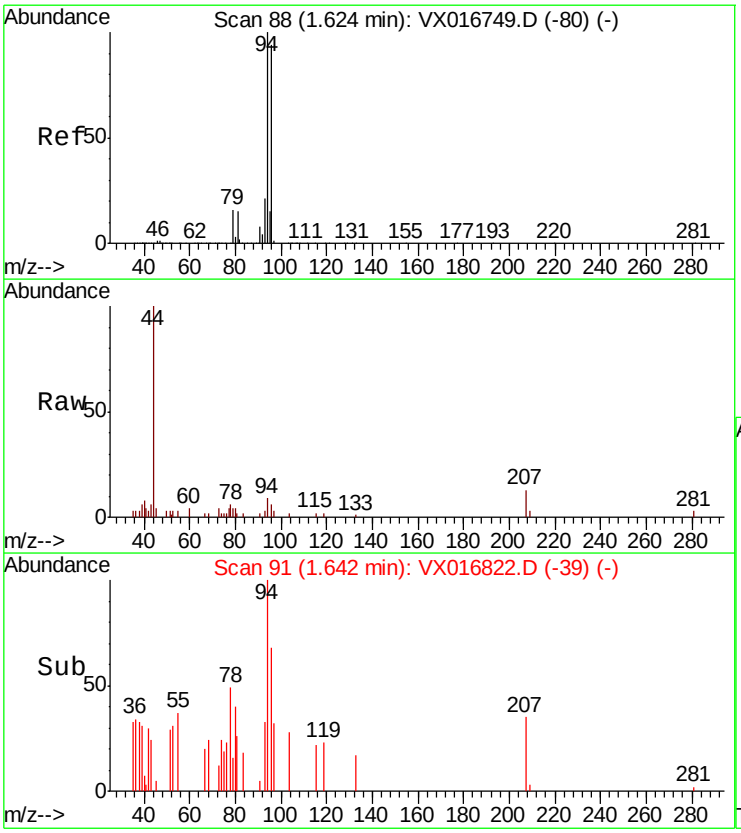

#3
Chloromethane
Concen: 0.226 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 50 Resp: 637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 72.9 | 26.5 | 39.7# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

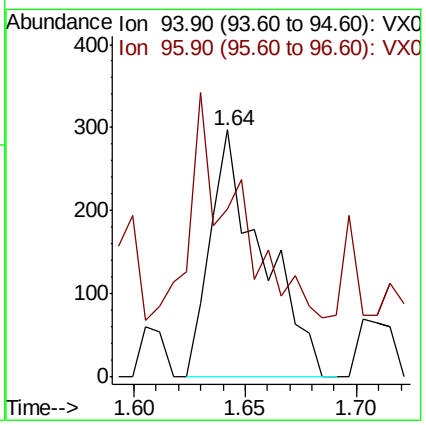


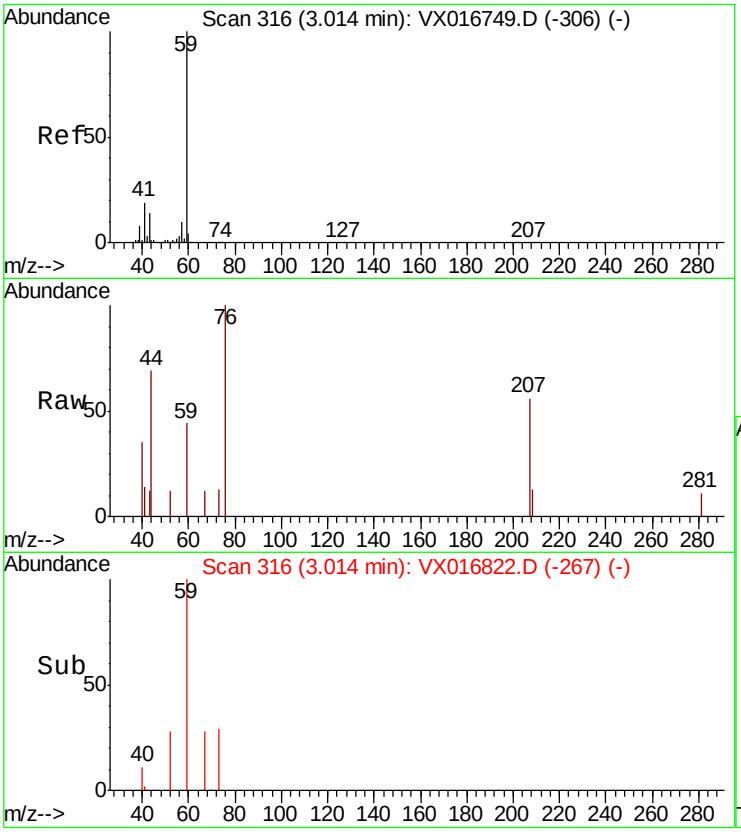




#5
Bromomethane
Concen: 0.256 ug/l
RT: 1.64 min Scan# 91
Delta R.T. 0.02 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 94 Resp: 478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 42.8 | 75.4 | 113.0# |



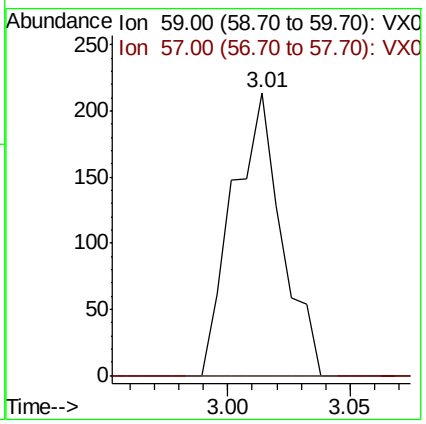


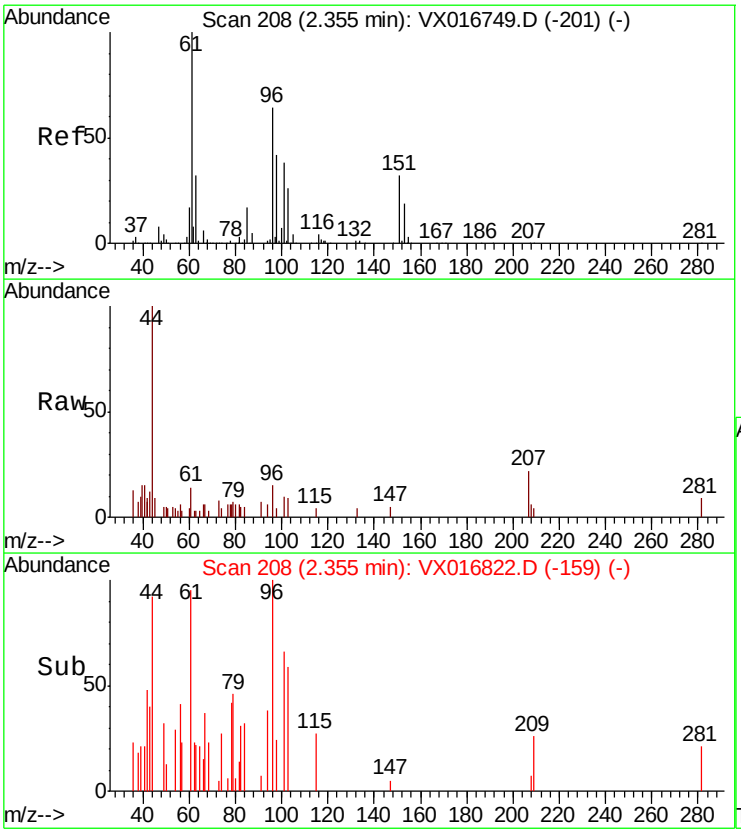

#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 59 Resp: 298

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

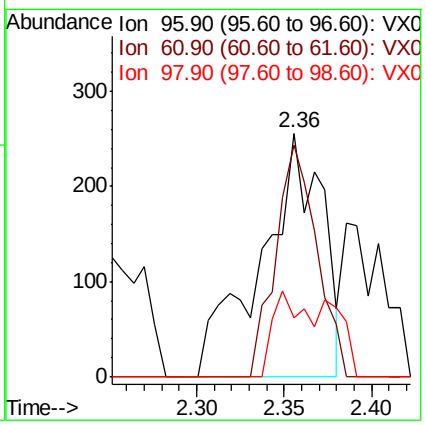


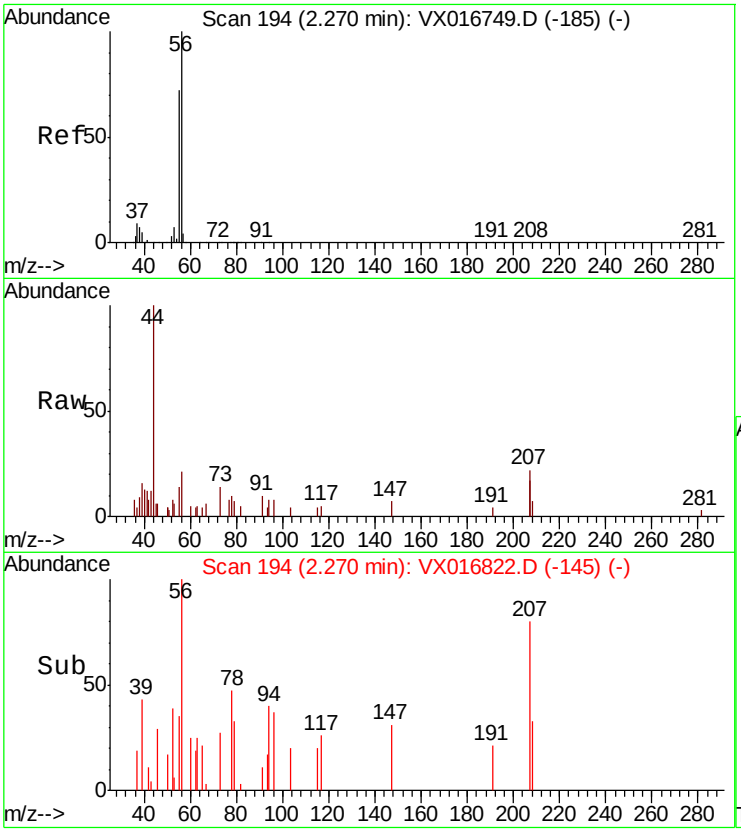




#12
1,1-Dichloroethene
Concen: 0.248 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 96 Resp: 626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 94.9 | 124.1 | 186.1# |
| 98 | 24.2 | 52.7 | 79.1# |



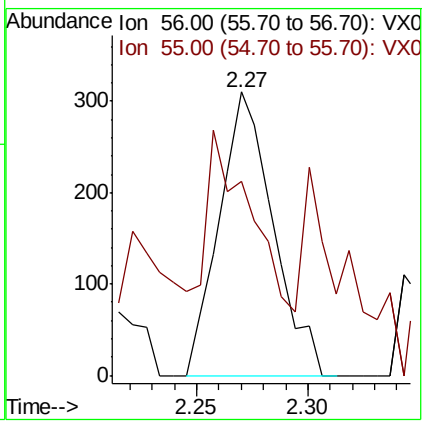


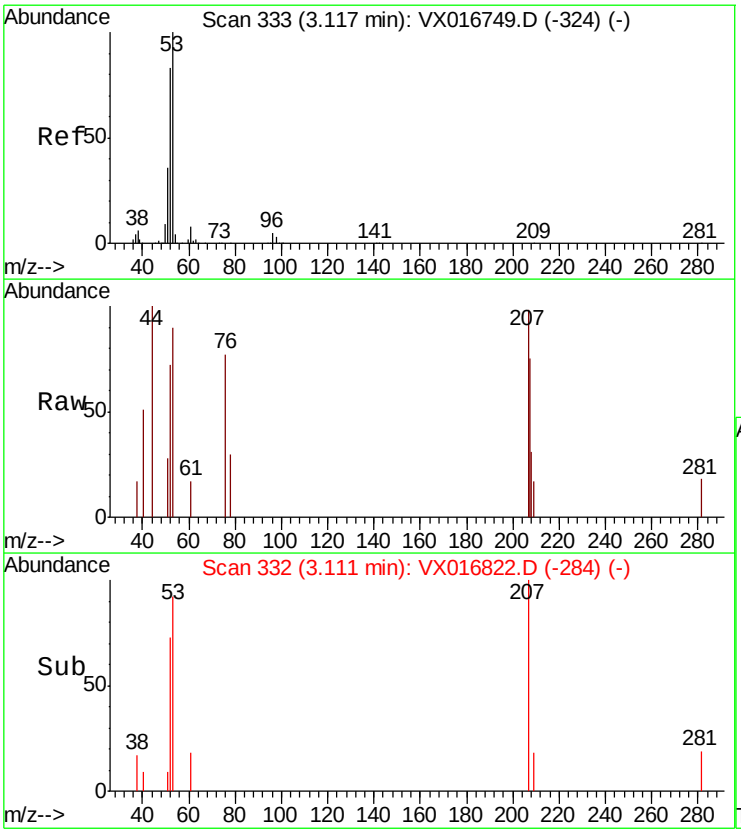

#13
Acrolein
Concen: 3.972 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 56 Resp: 523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.1 | 58.2 | 87.4 |

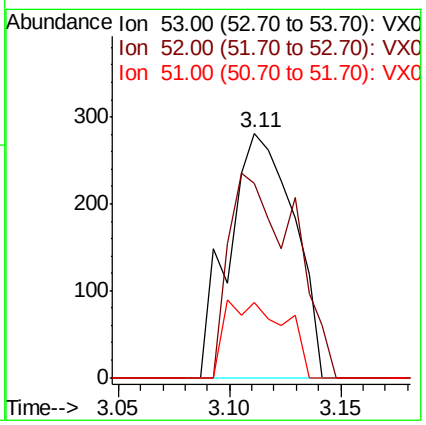


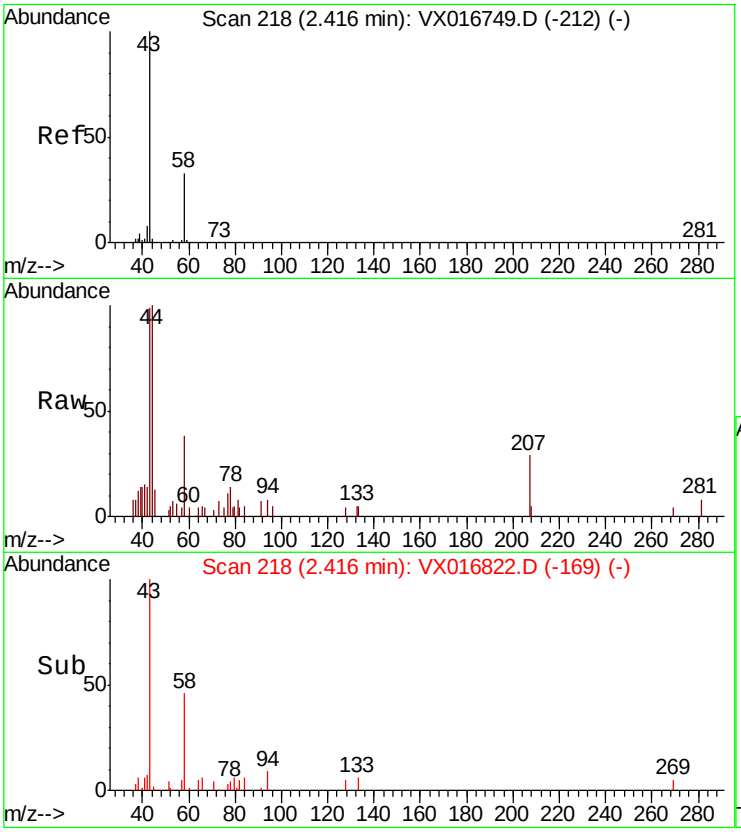




#15
Acrylonitrile
Concen: 0.386 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 53 Resp: 572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.6 | 65.5 | 98.3 |
| 51 | 28.7 | 28.6 | 42.8 |



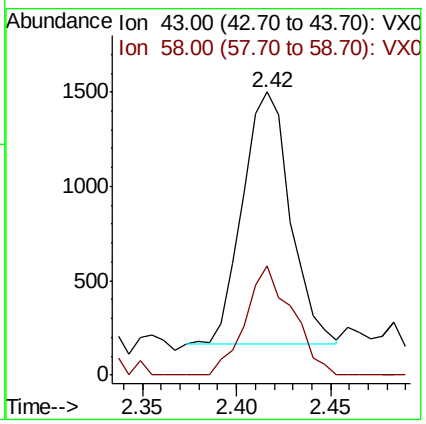


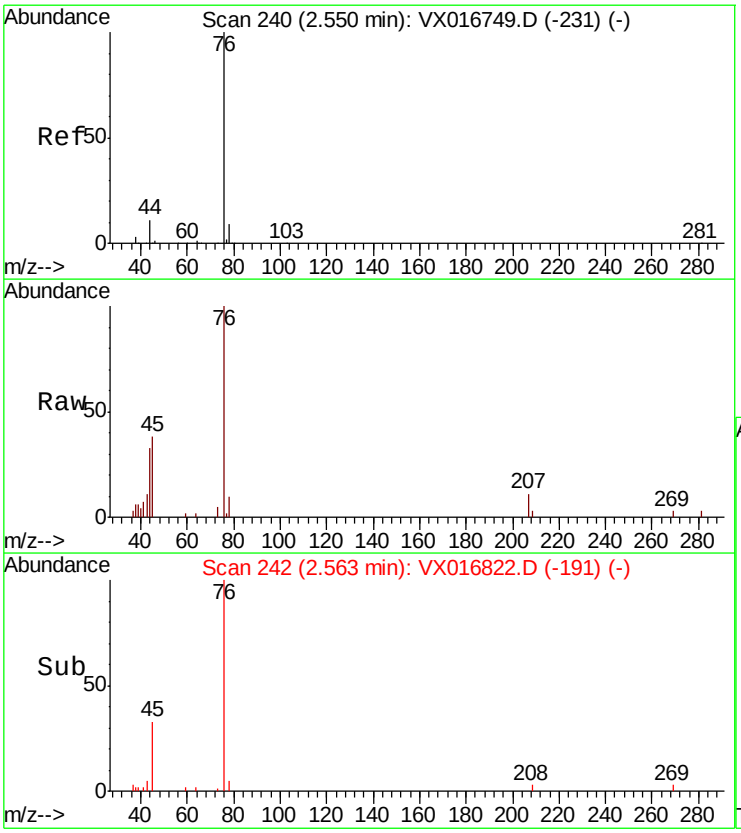

#16
Acetone
Concen: 1.769 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 43 Resp: 2333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 43.5 | 26.3 | 39.5# |

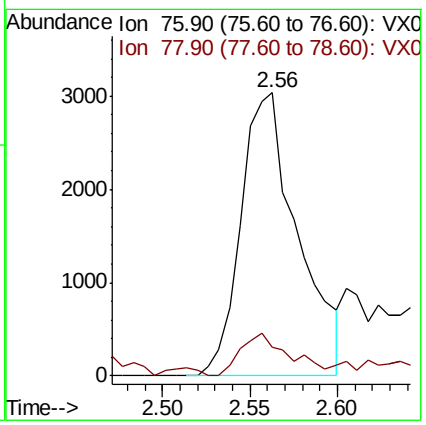


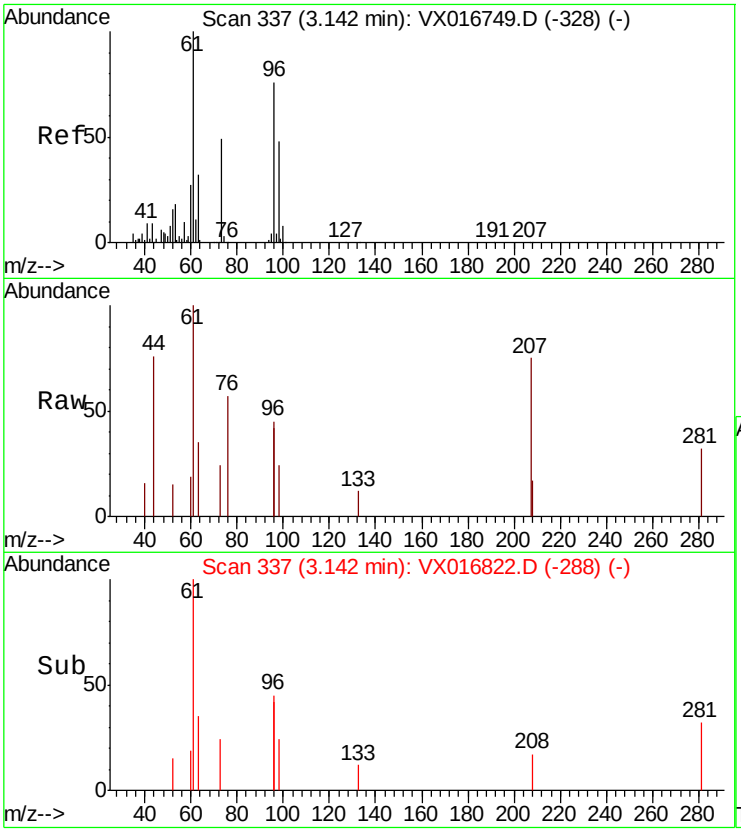




#17
Carbon Disulfide
Concen: 0.950 ug/l
RT: 2.56 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 76 Resp: 6871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.5 | 7.3 | 10.9 |



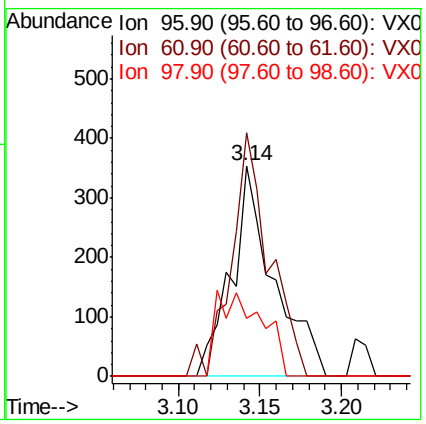


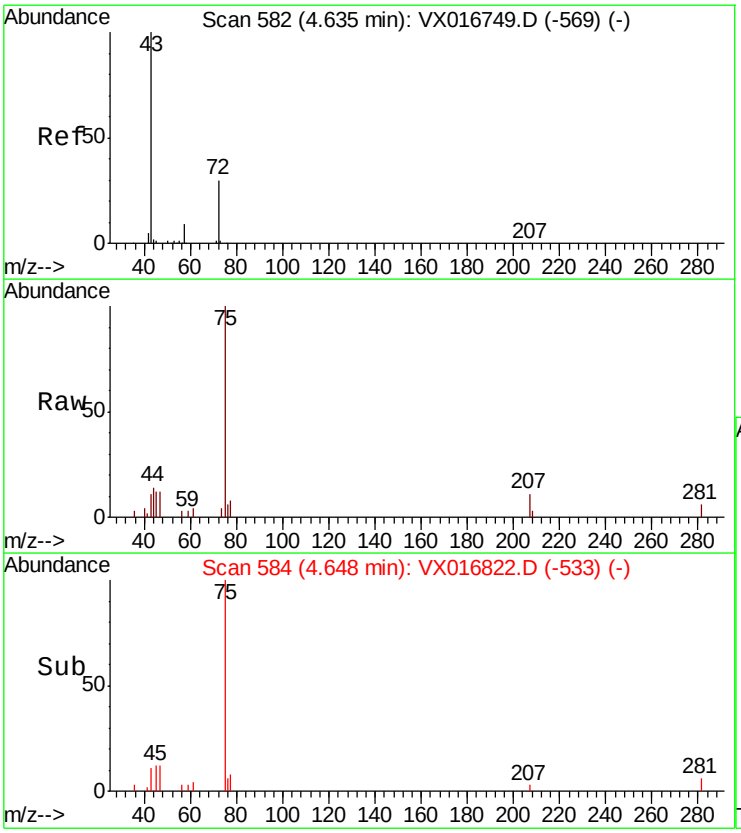

#21
trans-1,2-Dichloroethene
Concen: 0.236 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 96 Resp: 641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.5 | 105.4 | 158.2 |
| 98 | 27.4 | 50.8 | 76.2# |

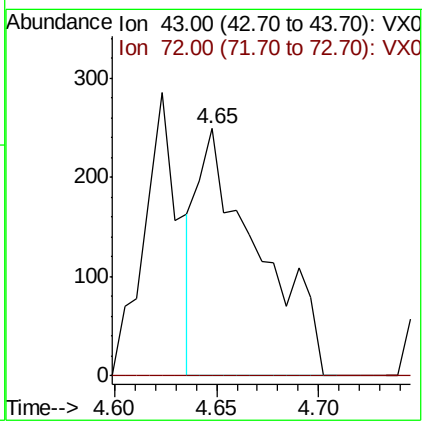


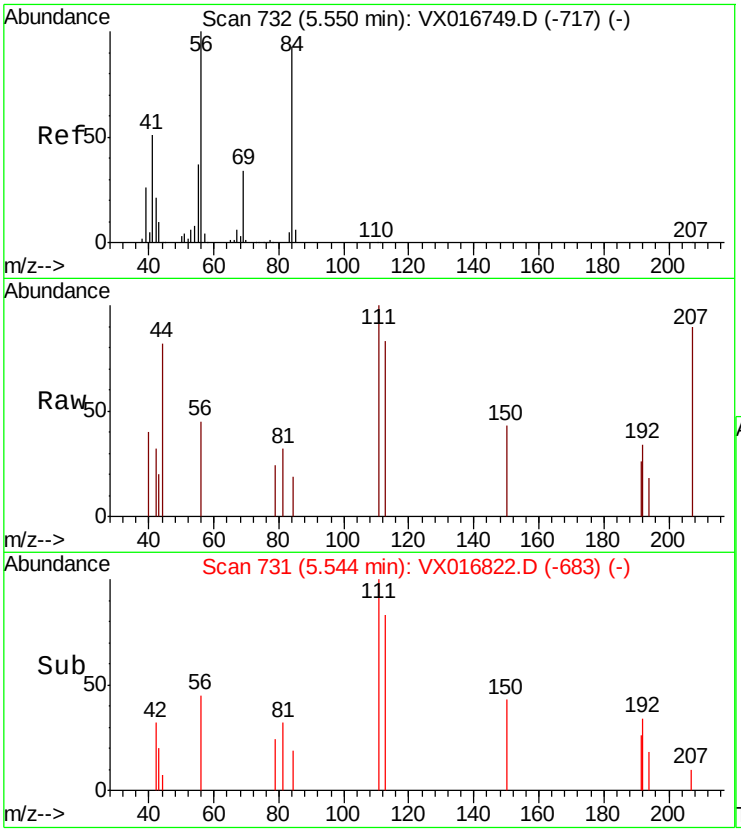




#25
2-Butanone
Concen: 0.258 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 43 Resp: 513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 24.2 | 36.4# |



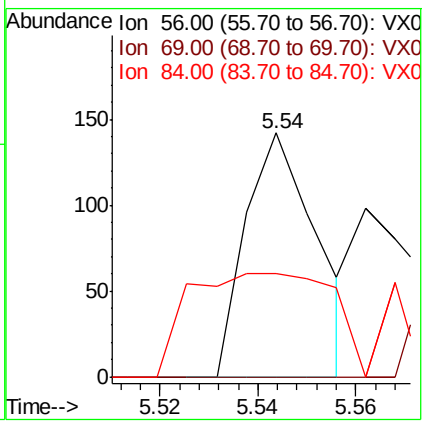


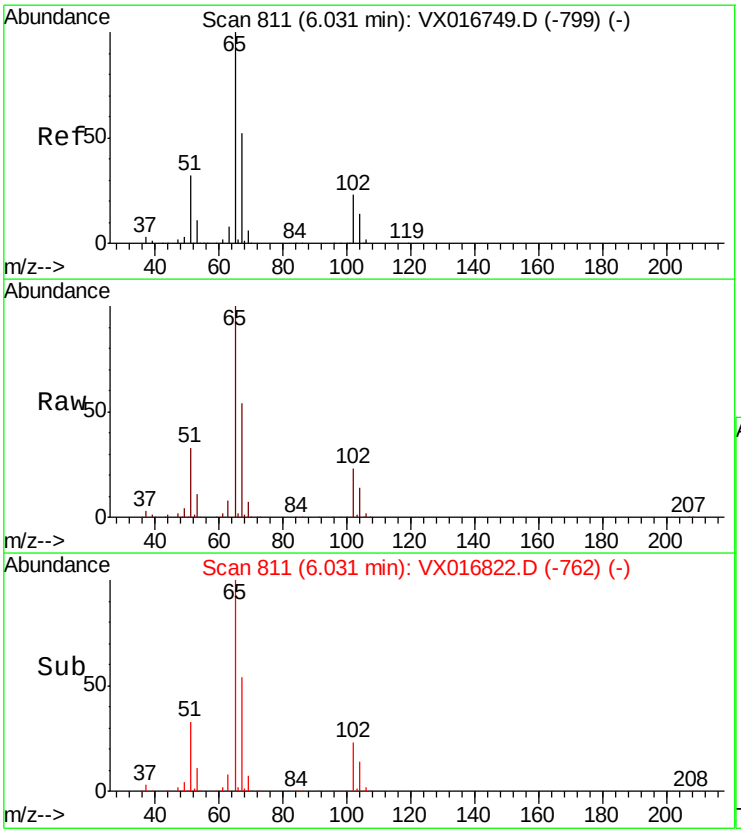

#31
Cyclohexane
Concen: 0.733 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :** MSVOA_X
**ClientSampleId :** Z1-DUP-0570-200611

Tgt Ion: 56 Resp: 143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 0.0 | 27.1 | 40.7# |
| 84 | 5.6 | 74.0 | 111.0# |

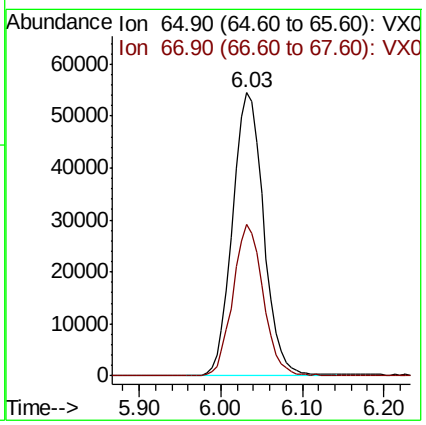


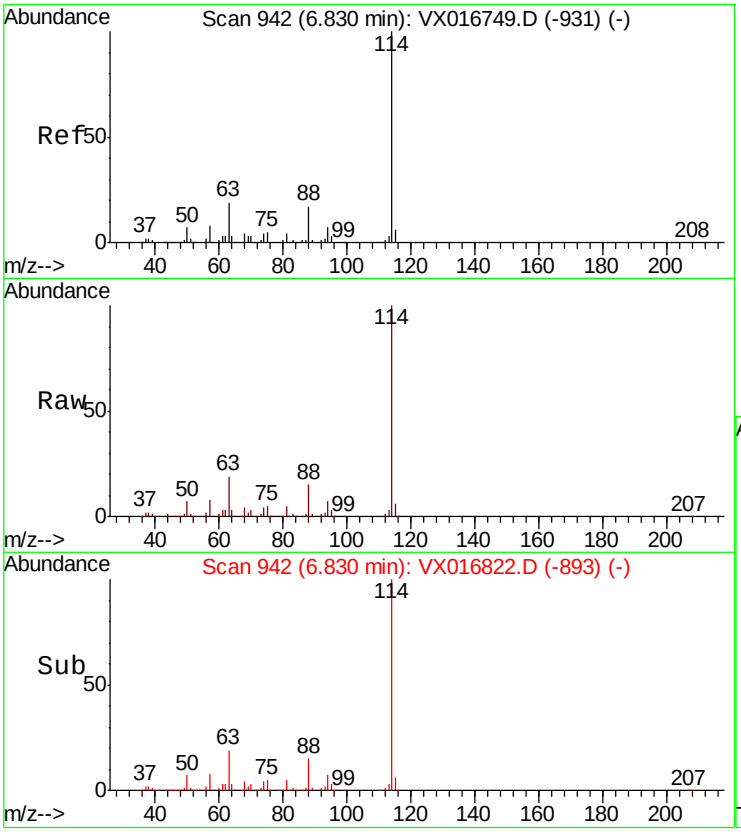




#33
1,2-Dichloroethane-d4
Concen: 49.647 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 65 Resp: 144315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 103.0 |



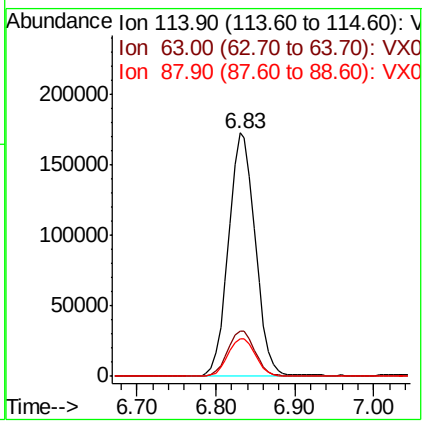


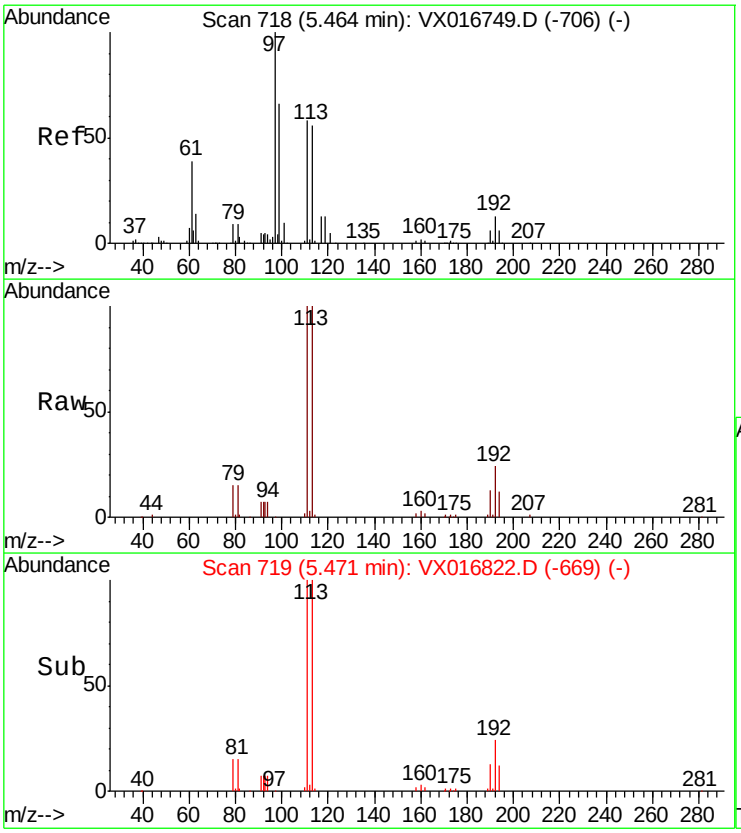

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion:114 Resp: 410702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.7 | 0.0 | 38.8 |
| 88 | 15.2 | 0.0 | 33.4 |

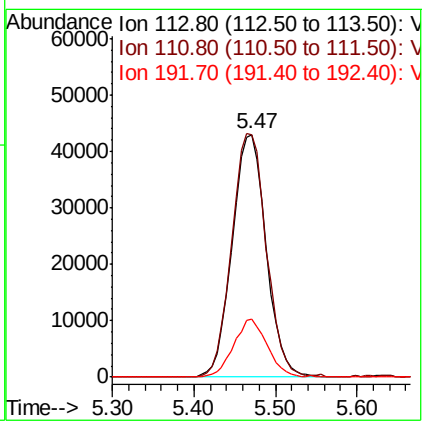


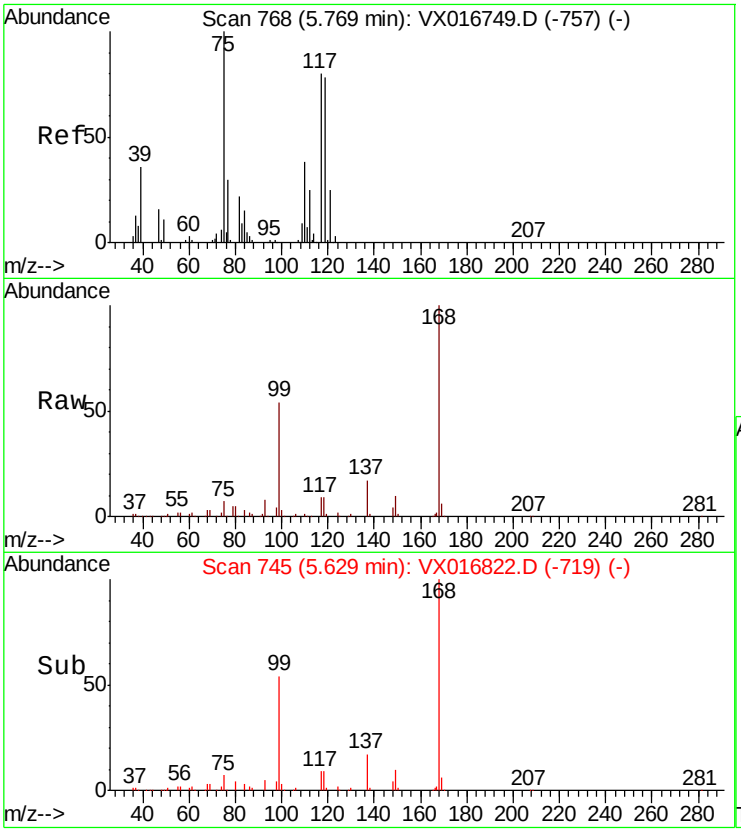




#35
Dibromofluoromethane
Concen: 48.822 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion:113 Resp: 123712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 81.8 | 122.6 |
| 192 | 23.7 | 18.2 | 27.4 |



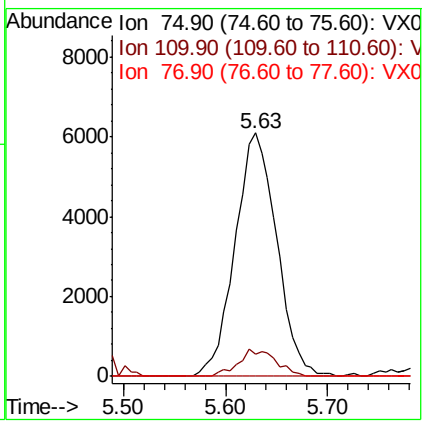


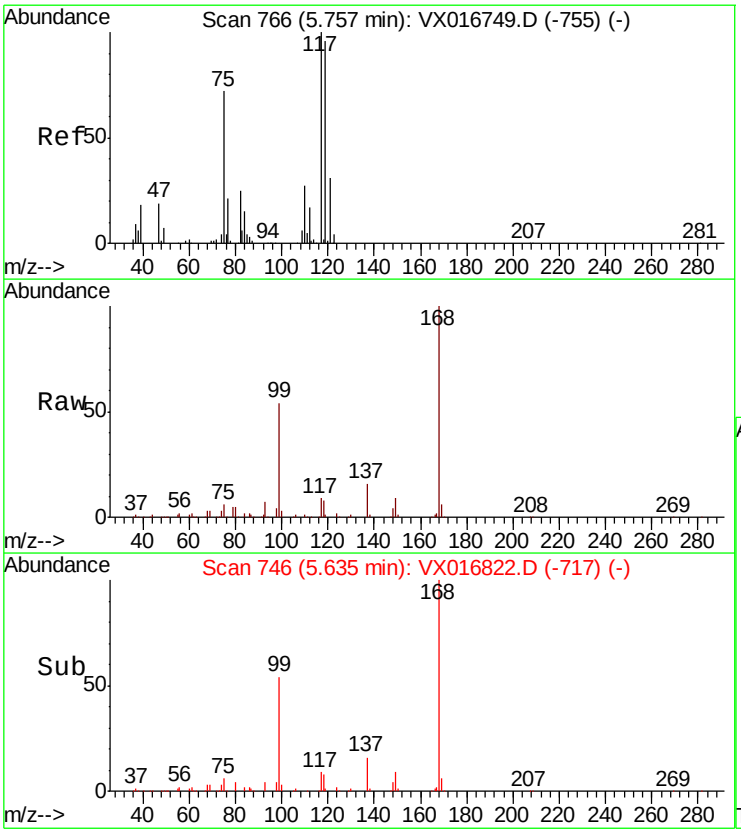

#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 75 Resp: 17272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.0 | 18.4 | 55.2# |
| 77 | 0.0 | 24.7 | 37.1# |

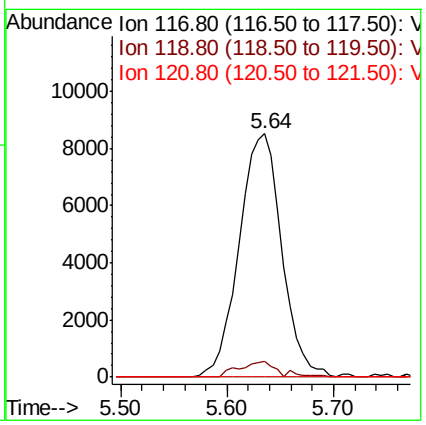


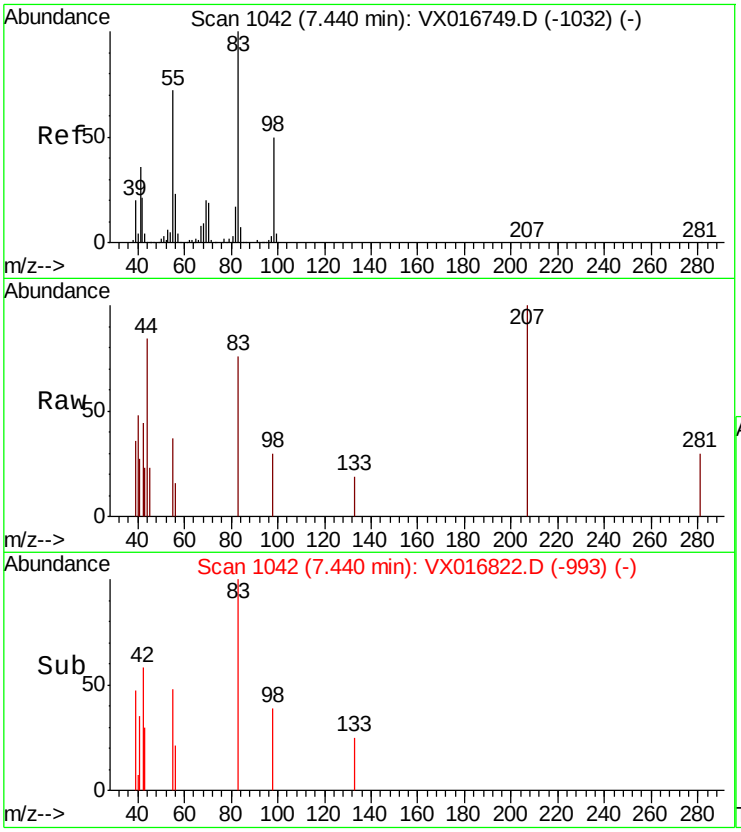




#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion:117 Resp: 23882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.2 | 76.7 | 115.1# |
| 121 | 0.0 | 24.7 | 37.1# |



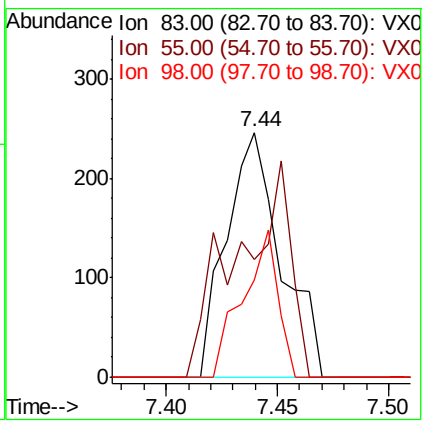


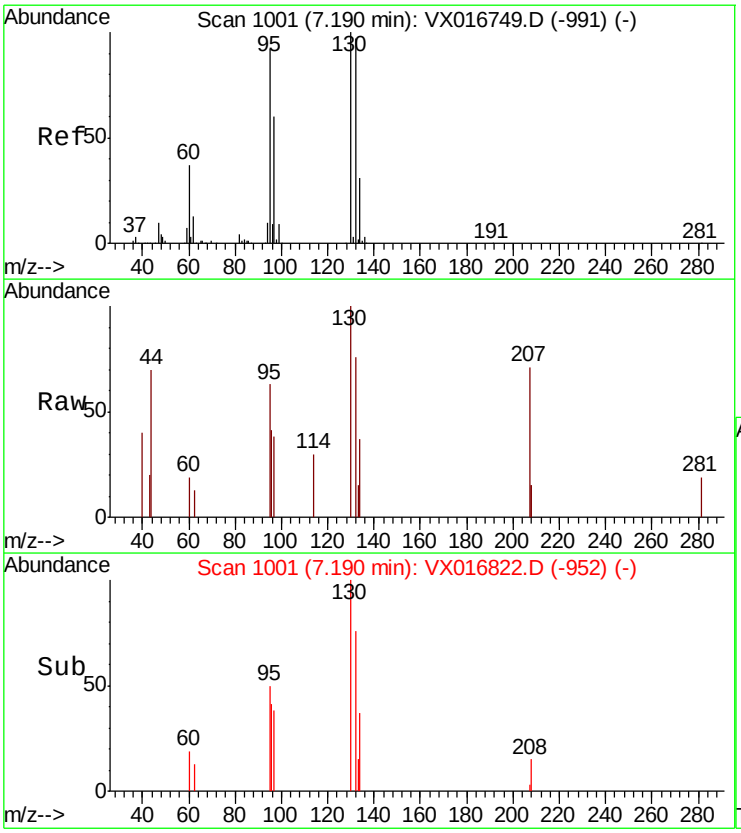

#39
Methylcyclohexane
Concen: 1.051 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 83 Resp: 421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 48.0 | 57.3 | 85.9# |
| 98 | 39.4 | 40.3 | 60.5# |

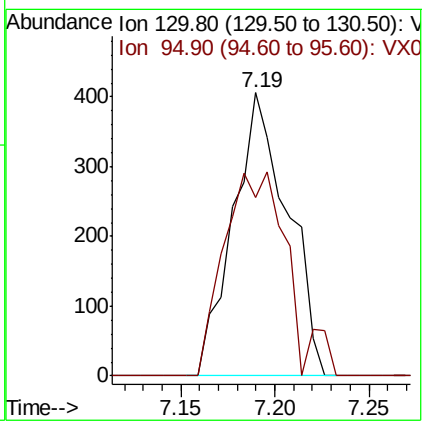


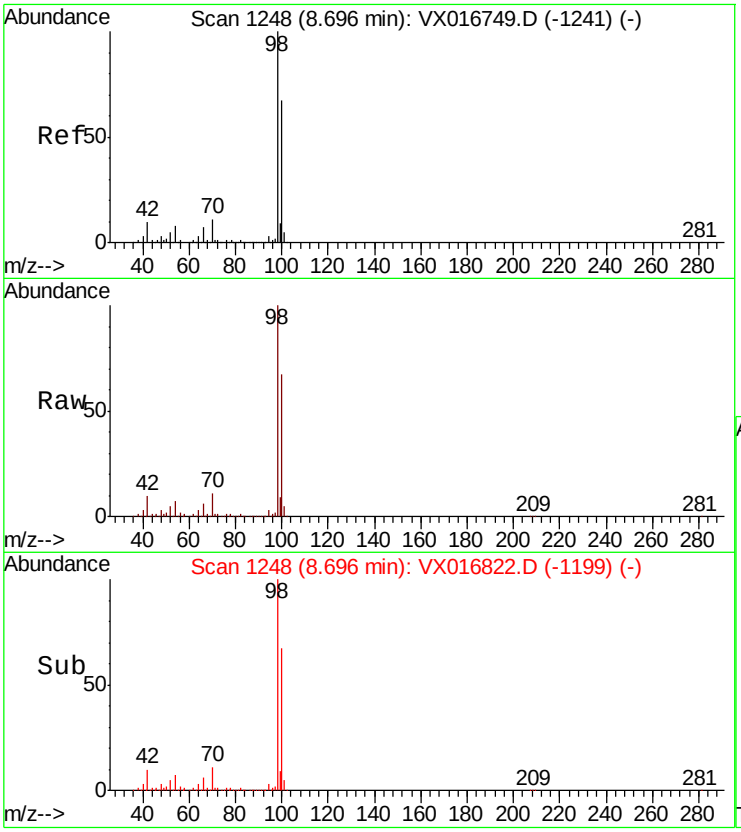




#44
Trichloroethene
Concen: 0.238 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion:130 Resp: 812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 63.1 | 0.0 | 183.6 |



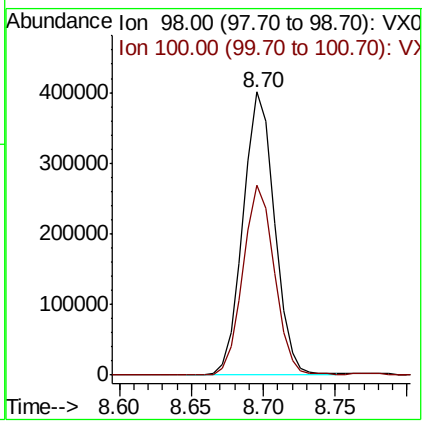


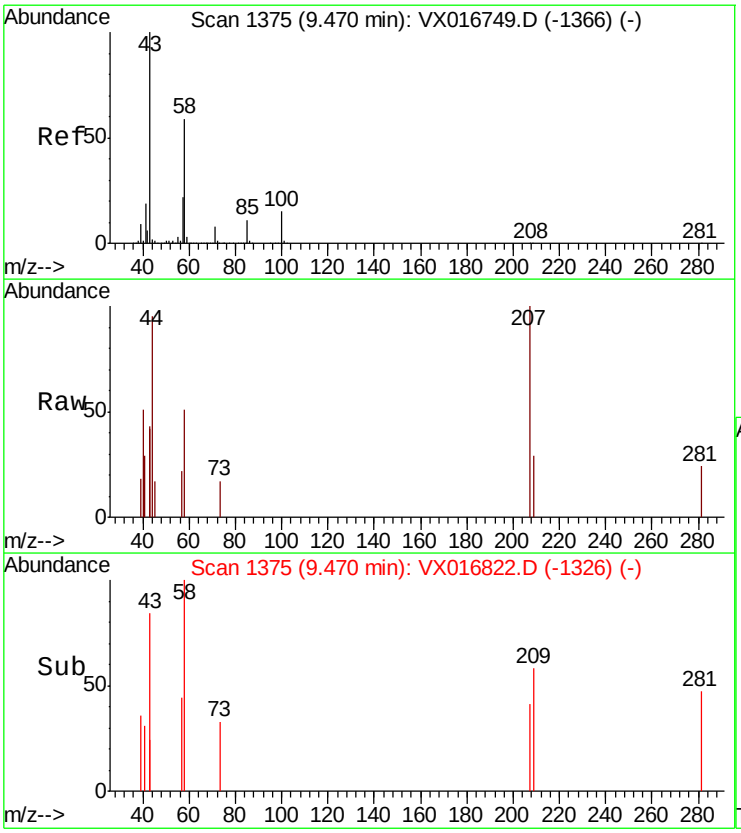

#50
Toluene-d8
Concen: 64.934 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 98 Resp: 606706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 53.9 | 80.9 |

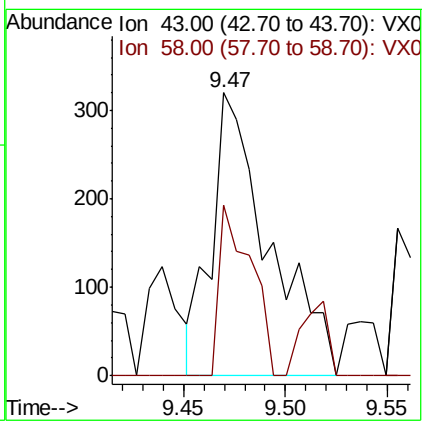


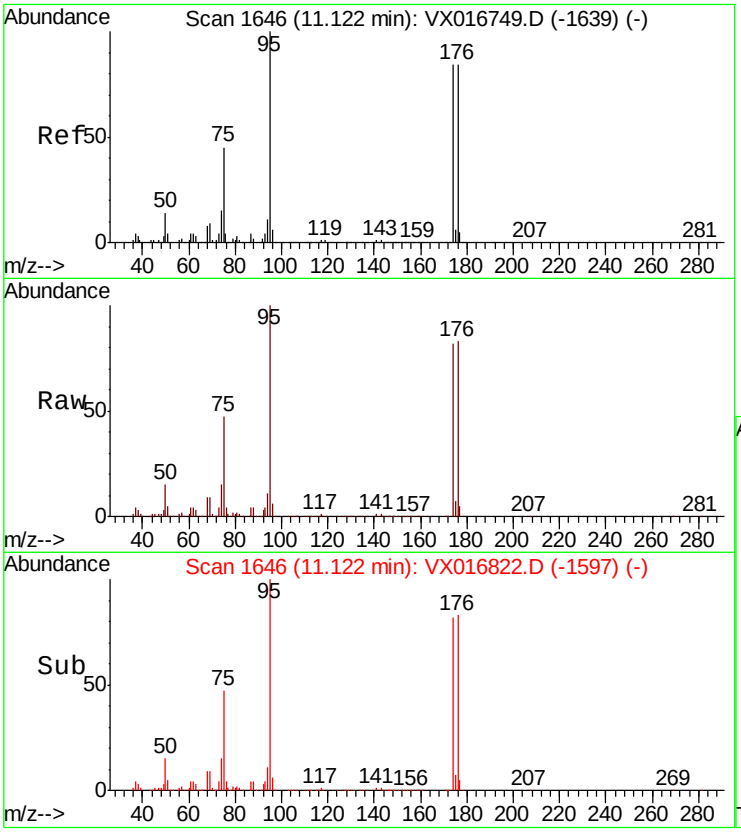




#59
2-Hexanone
Concen: 0.211 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 43 Resp: 626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.4 | 29.9 | 89.8 |



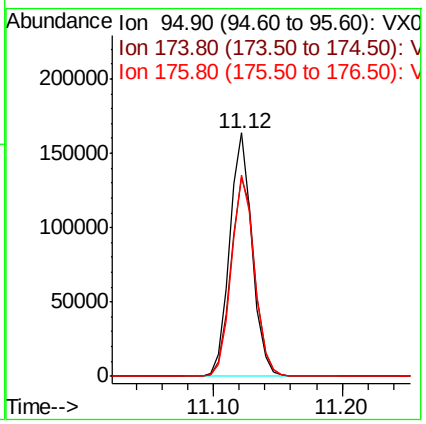


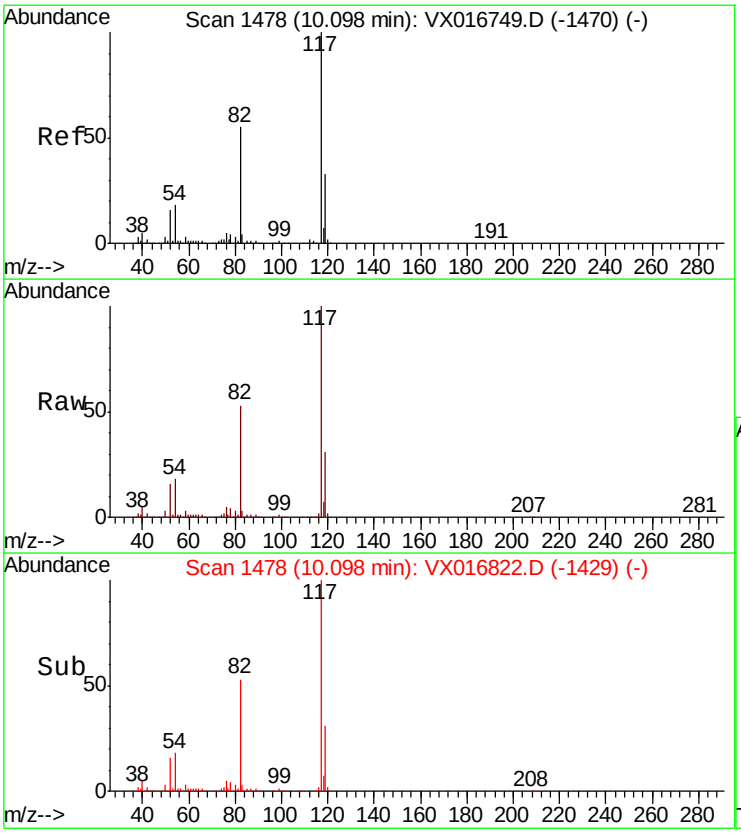

#62
4-Bromofluorobenzene
Concen: 56.017 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 95 Resp: 200195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.6 | 0.0 | 171.0 |
| 176 | 84.7 | 0.0 | 166.2 |

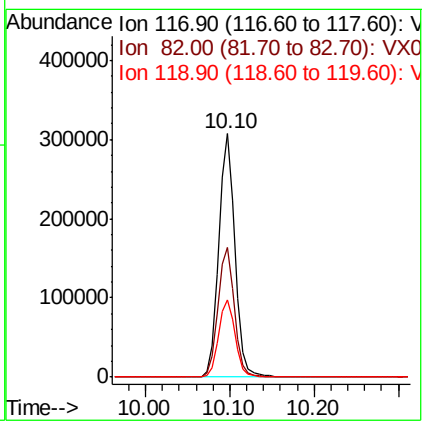


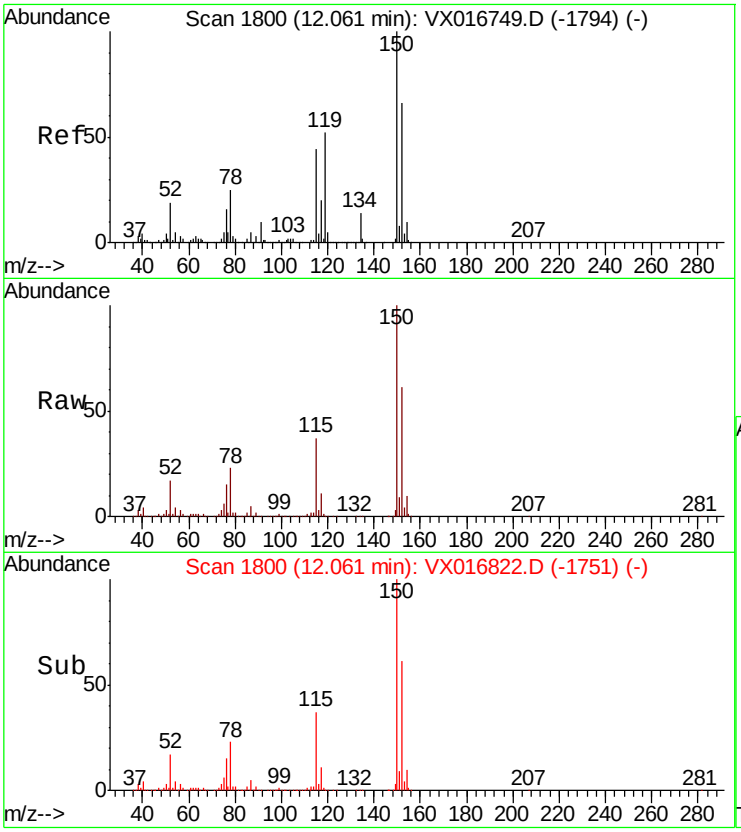




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion:117 Resp: 410115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.5 | 43.8 | 65.6 |
| 119 | 31.5 | 26.2 | 39.4 |



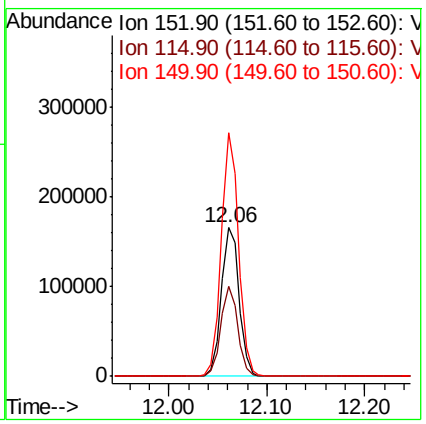


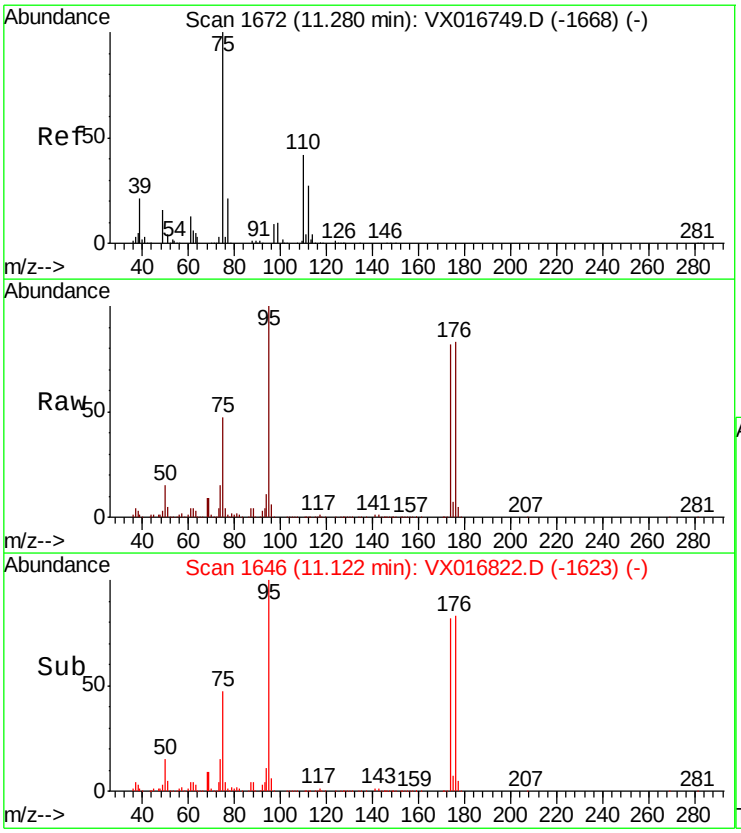

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion:152 Resp: 208275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.1 | 40.3 | 120.8 |
| 150 | 158.9 | 0.0 | 337.4 |

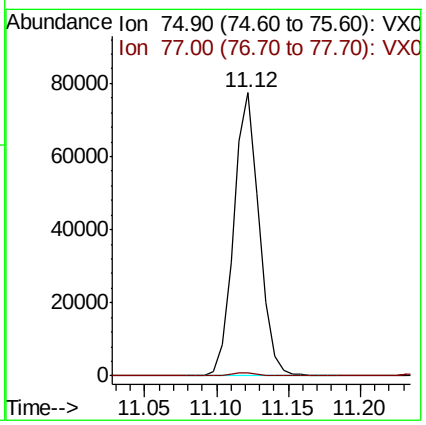


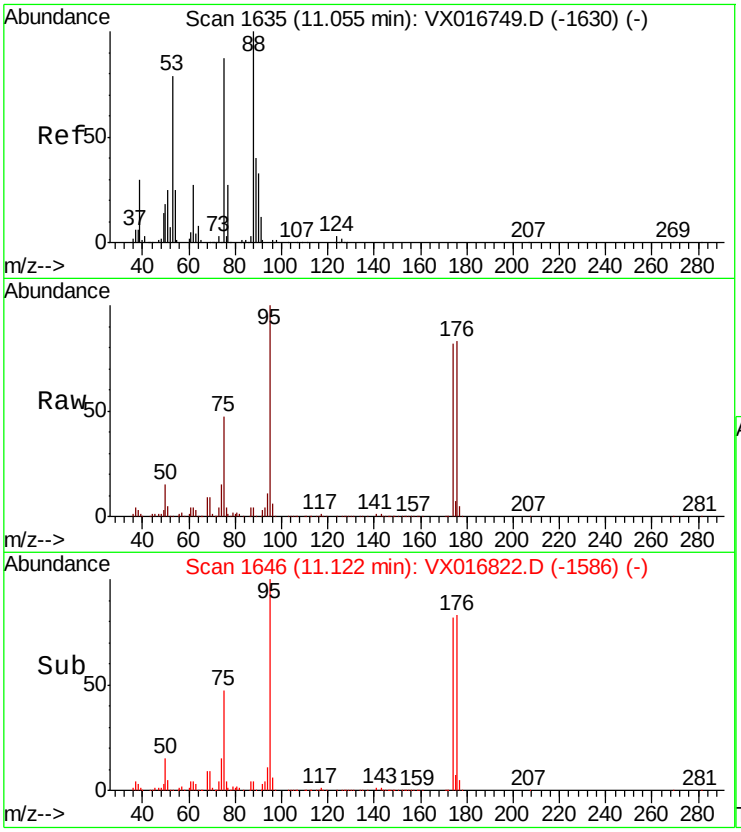




#76
1,2,3-Trichloropropane
Concen: 21.699 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 75 Resp: 95040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 20.3 | 60.9# |



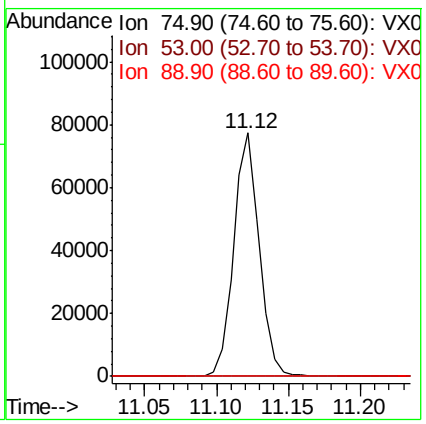


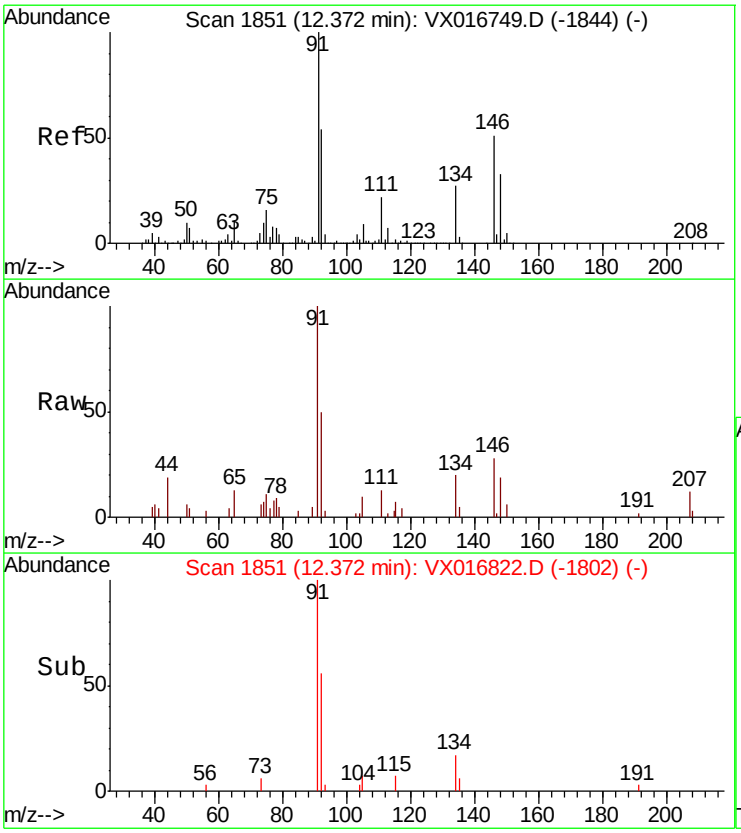

#81
trans-1,4-Dichloro-2-butene
Concen: 54.627 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion: 75 Resp: 95040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.1 | 71.4 | 107.0# |
| 89 | 0.1 | 39.1 | 58.7# |

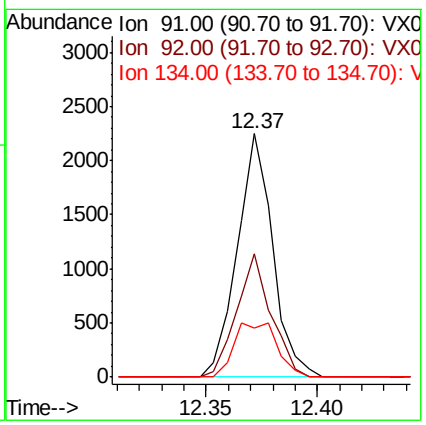


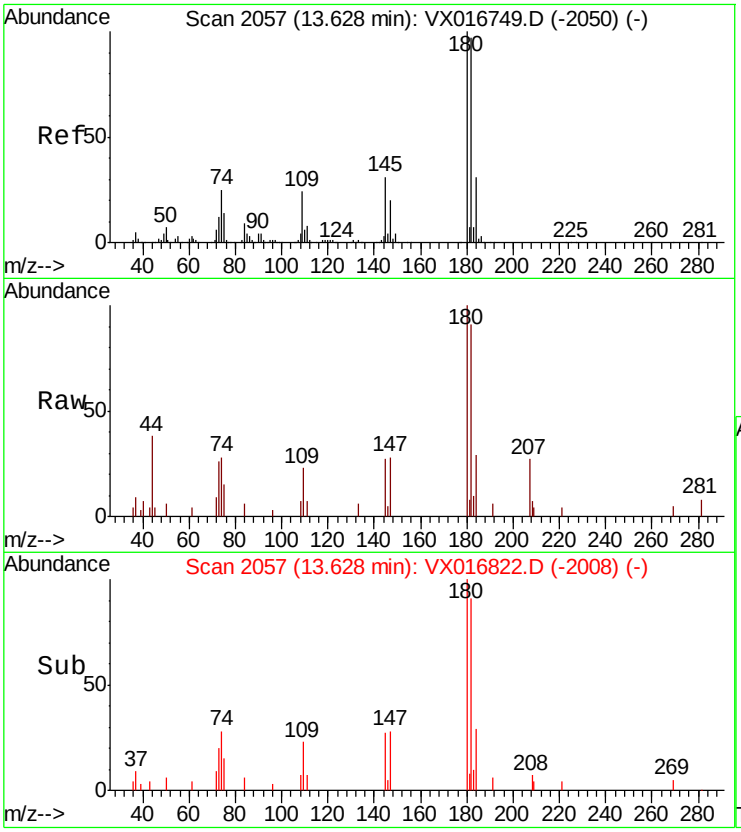




#89
n-Butylbenzene
Concen: 0.256 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion: 91 Resp: 2490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 49.4 | 27.0 | 80.8 |
| 134 | 27.0 | 13.7 | 41.0 |



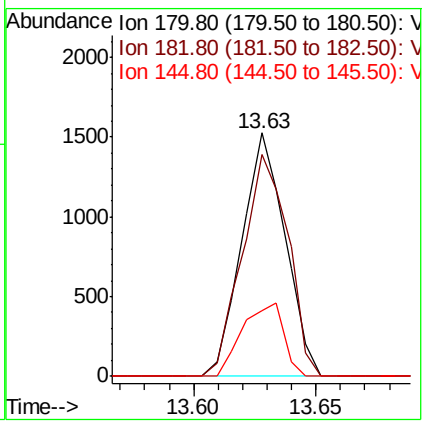


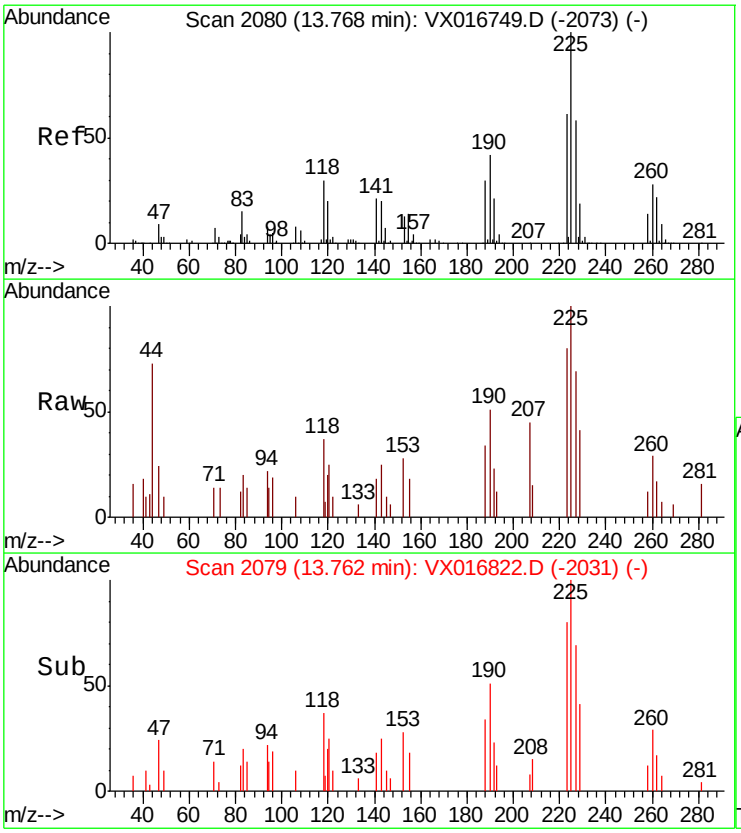

#93
1,2,4-Trichlorobenzene
Concen: 0.414 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion:180 Resp: 1891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 48.6 | 145.8 |
| 145 | 28.6 | 15.4 | 46.4 |

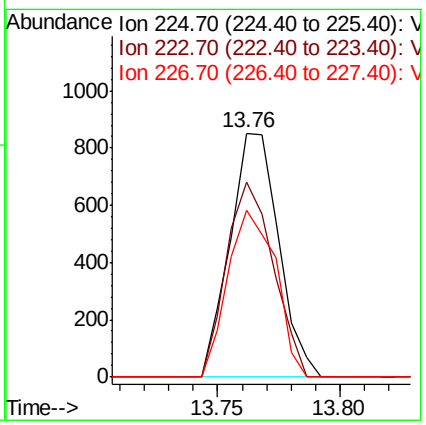


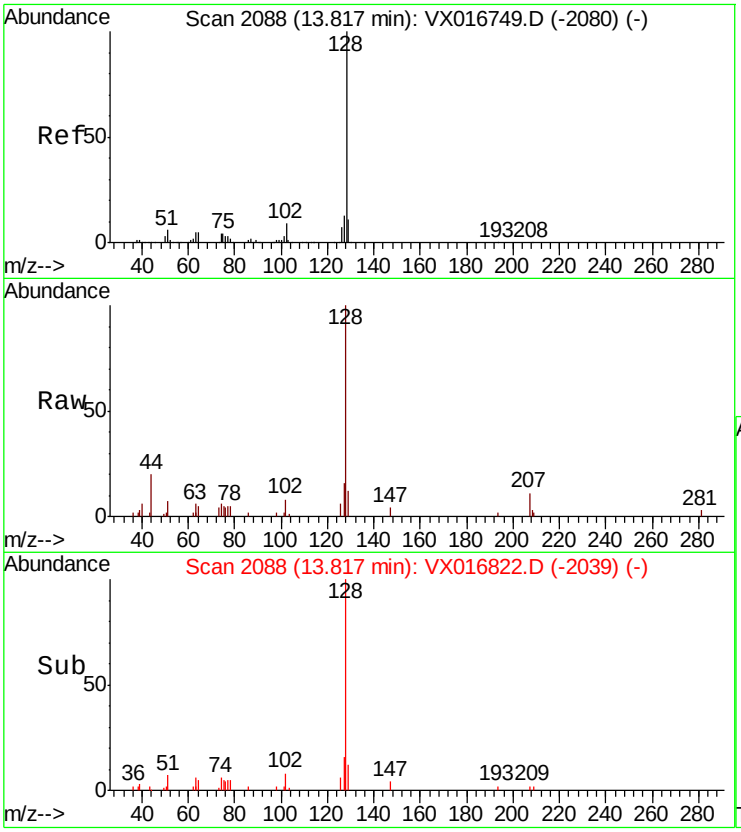




#94
Hexachlorobutadiene
Concen: 0.995 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion:225 Resp: 1179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 76.8 | 31.1 | 93.5 |
| 227 | 67.3 | 30.9 | 92.7 |



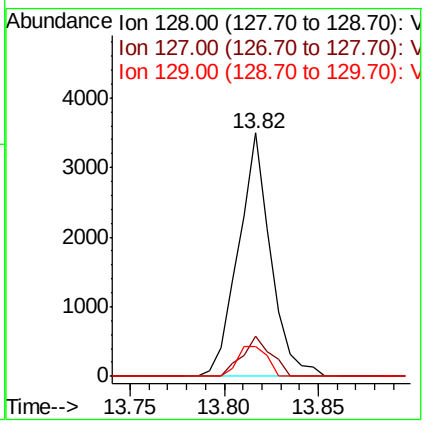


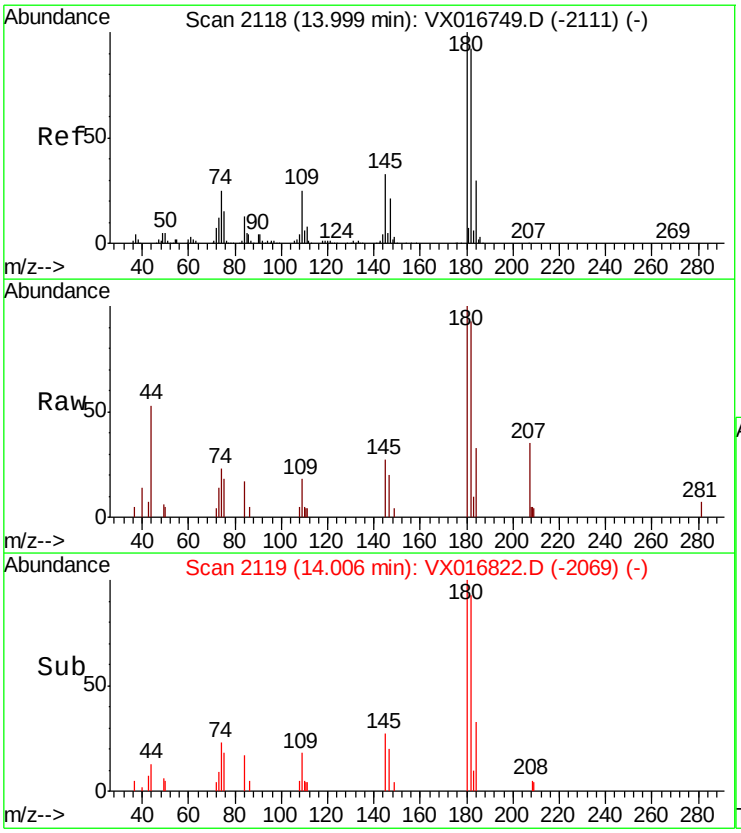

#95
Naphthalene
Concen: 0.289 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

**Instrument :**
MSVOA_X
**ClientSampleId :**
Z1-DUP-0570-200611

Tgt Ion:128 Resp: 4139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.6 | 10.2 | 15.4 |
| 129 | 11.4 | 8.8 | 13.2 |




#96
1,2,3-Trichlorobenzene
Concen: 0.448 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016822.D
Acq: 17 Jun 2020 17:20

Tgt Ion:180 Resp: 2014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.1 | 141.4 |
| 145 | 30.2 | 15.9 | 47.7 |