Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
Data File : VY001102.D
Acq On : 27 Dec 2019 16:50
Operator : SY/MD
Sample : K6439-02MS
Misc : 5.18G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** LIED-BF001-01MS

**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

Quant Time: Dec 28 04:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 33514 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.70 | 114 | 61754 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 56157 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 25468 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 19018 | 57.54 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 115.08% | | | | |
| 35) Dibromofluoromethane | 7.72 | 113 | 18911 | 52.00 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.00% | | | | |
| 50) Toluene-d8 | 10.18 | 98 | 74494 | 52.42 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.84% | | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 24702 | 47.54 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.08% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.90 | 85 | 12730 | 43.591 | ug/l | | 92 |
| 3) Chloromethane | 2.11 | 50 | 15417 | 38.789 | ug/l | | 100 |
| 4) Vinyl Chloride | 2.25 | 62 | 14510 | 37.592 | ug/l | | 95 |
| 5) Bromomethane | 2.66 | 94 | 9304 | 37.404 | ug/l | | 99 |
| 6) Chloroethane | 2.80 | 64 | 9900 | 41.180 | ug/l | | 94 |
| 7) Trichlorofluoromethane | 3.13 | 101 | 25000 | 44.159 | ug/l | | 100 |
| 8) Diethyl Ether | 3.54 | 74 | 12200 | 52.791 | ug/l | | 95 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.91 | 101 | 17862 | 48.031 | ug/l | | 98 |
| 10) Methyl Iodide | 4.10 | 142 | 21157 | 41.176 | ug/l | | 99 |
| 11) Tert butyl alcohol | 4.96 | 59 | 10617 | 292.125 | ug/l | # | 88 |
| 12) 1,1-Dichloroethene | 3.88 | 96 | 17739 | 47.115 | ug/l | | 99 |
| 13) Acrolein | 3.73 | 56 | 12907 | 286.622 | ug/l | | 100 |
| 14) Allyl chloride | 4.49 | 41 | 27653 | 47.279 | ug/l | | 93 |
| 15) Acrylonitrile | 5.17 | 53 | 33836 | 292.960 | ug/l | | 99 |
| 16) Acetone | 3.95 | 43 | 22738 | 298.603 | ug/l | | 96 |
| 17) Carbon Disulfide | 4.19 | 76 | 43069 | 35.007 | ug/l | | 97 |
| 18) Methyl Acetate | 4.48 | 43 | 22163 | 75.863 | ug/l | | 99 |
| 19) Methyl tert-butyl Ether | 5.22 | 73 | 55390 | 57.000 | ug/l | | 97 |
| 20) Methylene Chloride | 4.72 | 84 | 23585 | 52.621 | ug/l | # | 80 |
| 21) trans-1,2-Dichloroethene | 5.23 | 96 | 19789 | 47.426 | ug/l | | 86 |
| 22) Diisopropyl ether | 6.13 | 45 | 63291 | 53.535 | ug/l | | 98 |
| 23) Vinyl Acetate | 6.07 | 43 | 157376 | 210.782 | ug/l | # | 92 |
| 24) 1,1-Dichloroethane | 6.04 | 63 | 34992 | 50.086 | ug/l | | 98 |
| 25) 2-Butanone | 7.00 | 43 | 39758 | 297.207 | ug/l | | 99 |
| 26) 2,2-Dichloropropane | 7.00 | 77 | 25405 | 44.260 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 6.99 | 96 | 23592 | 51.464 | ug/l | | 98 |
| 28) Bromochloromethane | 7.34 | 49 | 17275 | 63.373 | ug/l | | 99 |
| 29) Tetrahydrofuran | 7.36 | 42 | 26447 | 277.934 | ug/l | | 95 |
| 30) Chloroform | 7.52 | 83 | 34271 | 51.877 | ug/l | | 95 |
| 31) Cyclohexane | 7.79 | 56 | 28142 | 38.307 | ug/l | | 99 |
| 32) 1,1,1-Trichloroethane | 7.71 | 97 | 25517 | 45.280 | ug/l | | 92 |
| 36) 1,1-Dichloropropene | 7.93 | 75 | 25422 | 43.152 | ug/l | | 97 |
| 37) Ethyl Acetate | 7.08 | 43 | 14139 | 43.344 | ug/l | # | 89 |
| 38) Carbon Tetrachloride | 7.91 | 117 | 23336 | 45.211 | ug/l | | 87 |

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Acq On : 27 Dec 2019 16:50
Operator : SY/MD
Sample : K6439-02MS
Misc : 5.18G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

Quant Time: Dec 28 04:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 9.19 | 83 | 29508 | 37.718 | ug/l | | 93 |
| 40) Benzene | 8.17 | 78 | 83390 | 46.919 | ug/l | | 97 |
| 41) Methacrylonitrile | 7.32 | 41 | 6140m | 43.414 | ug/l | | |
| 42) 1,2-Dichloroethane | 8.25 | 62 | 22004 | 51.783 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.28 | 43 | 28873 | 47.814 | ug/l | | 95 |
| 44) Trichloroethene | 8.94 | 130 | 21581 | 46.085 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.22 | 63 | 21934 | 49.194 | ug/l | | 91 |
| 46) Dibromomethane | 9.31 | 93 | 12375 | 53.842 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.50 | 83 | 26091 | 49.007 | ug/l | # | 98 |
| 48) Methyl methacrylate | 9.30 | 41 | 13178 | 51.139 | ug/l | | 91 |
| 49) 1,4-Dioxane | 9.30 | 88 | 4833 | 1437.457 | ug/l | | 90 |
| 51) 4-Methyl-2-Pentanone | 10.07 | 43 | 80663 | 256.284 | ug/l | | 99 |
| 52) Toluene | 10.25 | 92 | 51786 | 47.340 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.47 | 75 | 26142 | 45.244 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.93 | 75 | 31513 | 45.357 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 10.64 | 97 | 19741 | 57.533 | ug/l | | 88 |
| 56) Ethyl methacrylate | 10.51 | 69 | 22034 | 45.119 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 10.79 | 76 | 33173 | 55.156 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.78 | 63 | 41548 | 220.275 | ug/l | | 99 |
| 59) 2-Hexanone | 10.83 | 43 | 50377 | 231.318 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.99 | 129 | 18243 | 49.774 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.09 | 107 | 17766 | 54.145 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.72 | 164 | 25388 | 52.250 | ug/l | | 95 |
| 65) Chlorobenzene | 11.52 | 112 | 54657 | 46.921 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.59 | 131 | 18779 | 48.851 | ug/l | | 96 |
| 67) Ethyl Benzene | 11.59 | 91 | 95500 | 45.580 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.70 | 106 | 70212 | 88.256 | ug/l | | 100 |
| 69) o-Xylene | 12.03 | 106 | 35686 | 47.681 | ug/l | | 98 |
| 70) Styrene | 12.04 | 104 | 58026 | 45.597 | ug/l | | 99 |
| 71) Bromoform | 12.20 | 173 | 10790 | 50.410 | ug/l | # | 94 |
| 73) Isopropylbenzene | 12.33 | 105 | 86468 | 43.874 | ug/l | | 97 |
| 74) N-amyl acetate | 12.14 | 43 | 18872 | 36.450 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.58 | 83 | 20602 | 53.063 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.63 | 75 | 17327m | 55.187 | ug/l | | |
| 77) Bromobenzene | 12.61 | 156 | 21374 | 48.221 | ug/l | | 97 |
| 78) n-propylbenzene | 12.67 | 91 | 104031 | 43.320 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.75 | 91 | 59064 | 44.536 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 12.81 | 105 | 70599 | 43.702 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75 | 4560 | 30.976 | ug/l | | 85 |
| 82) 4-Chlorotoluene | 12.85 | 91 | 61954 | 44.976 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.07 | 119 | 57023 | 42.050 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.12 | 105 | 73089 | 45.023 | ug/l | | 98 |
| 85) sec-Butylbenzene | 13.25 | 105 | 83493 | 41.764 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.36 | 119 | 73319 | 42.384 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.36 | 146 | 39793 | 46.744 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.44 | 146 | 38569 | 44.912 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.69 | 91 | 70483 | 40.497 | ug/l | | 98 |
| 90) Hexachloroethane | 13.95 | 117 | 12225 | 37.510 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 13.74 | 146 | 37507 | 47.763 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75 | 2957 | 45.522 | ug/l | | 90 |

Quantitation Report (QT Reviewed)

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Data File : VY001102.D
Acq On : 27 Dec 2019 16:50
Operator : SY/MD
Sample : K6439-02MS
Misc : 5.18G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

Quant Time: Dec 28 04:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180 | 21121 | 39.847 | ug/l | 99 |
| 94) Hexachlorobutadiene | 15.11 | 225 | 7772 | 30.813 | ug/l | 96 |
| 95) Naphthalene | 15.23 | 128 | 50476 | 40.493 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180 | 18957 | 40.104 | ug/l | 99 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
Data File : VY001102.D
Acq On : 27 Dec 2019 16:50
Operator : SY/MD
Sample : K6439-02MS
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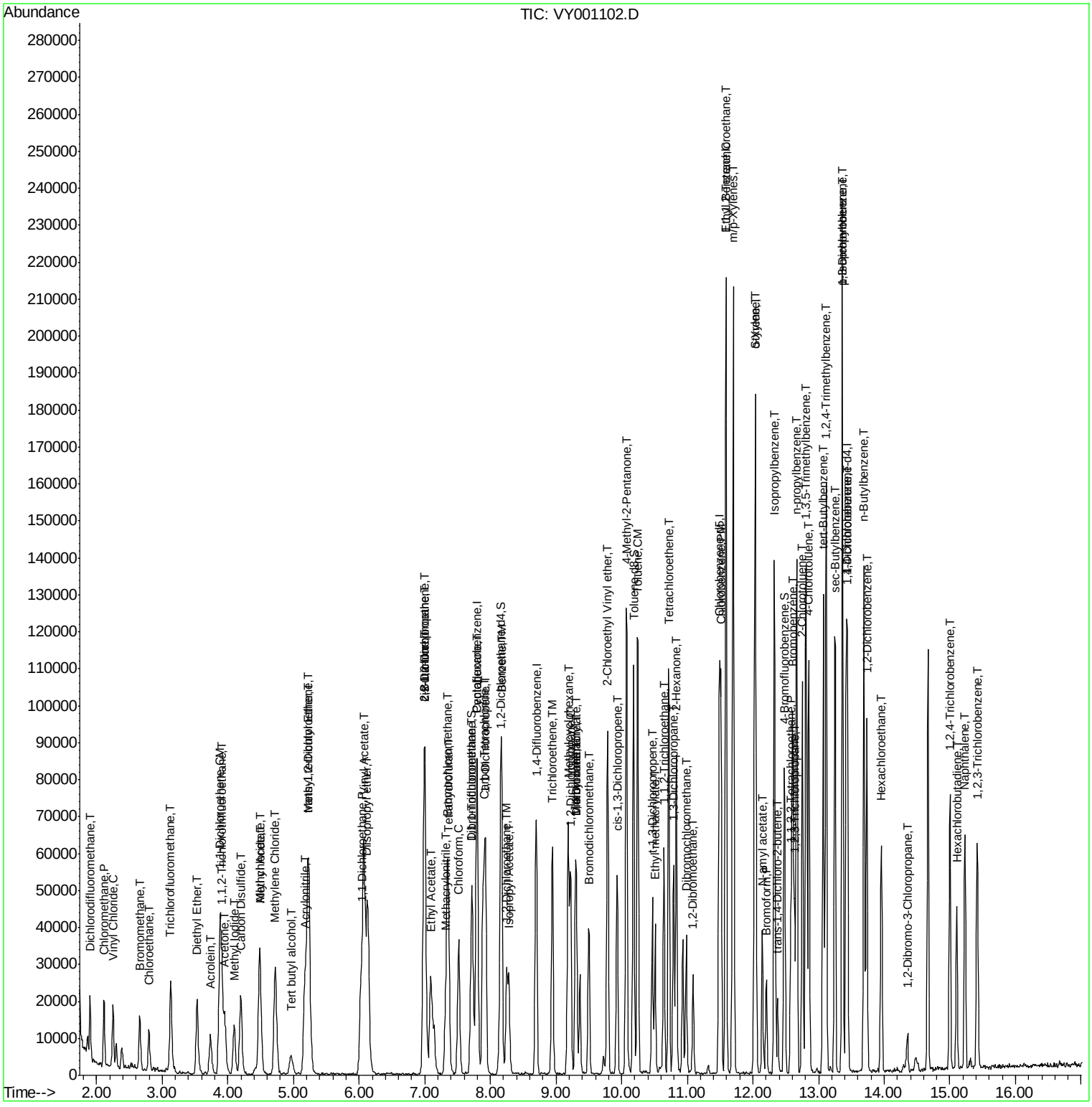
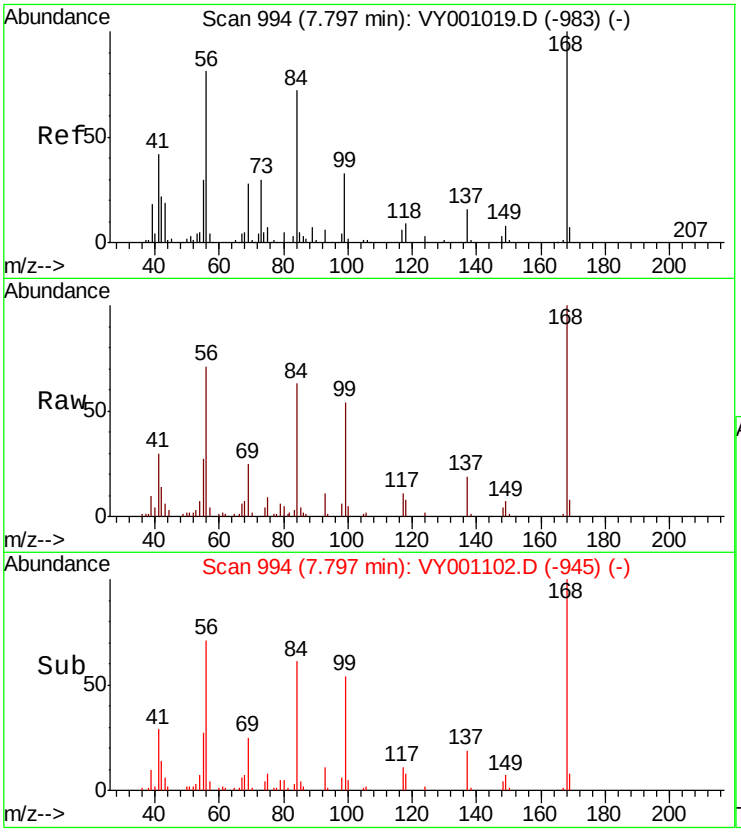
Quant Time: Dec 28 04:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

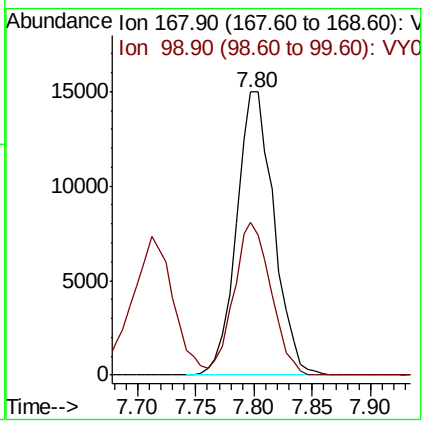





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

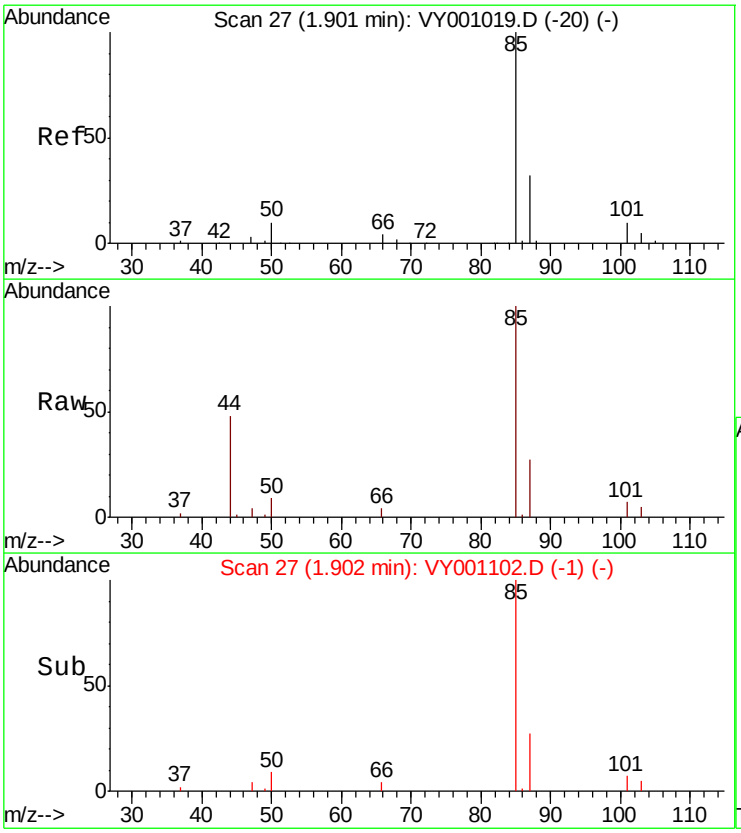
Tgt Ion:168 Resp: 33514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.9 | 44.0 | 66.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

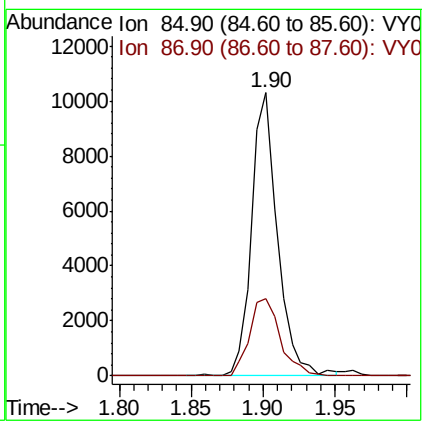
**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

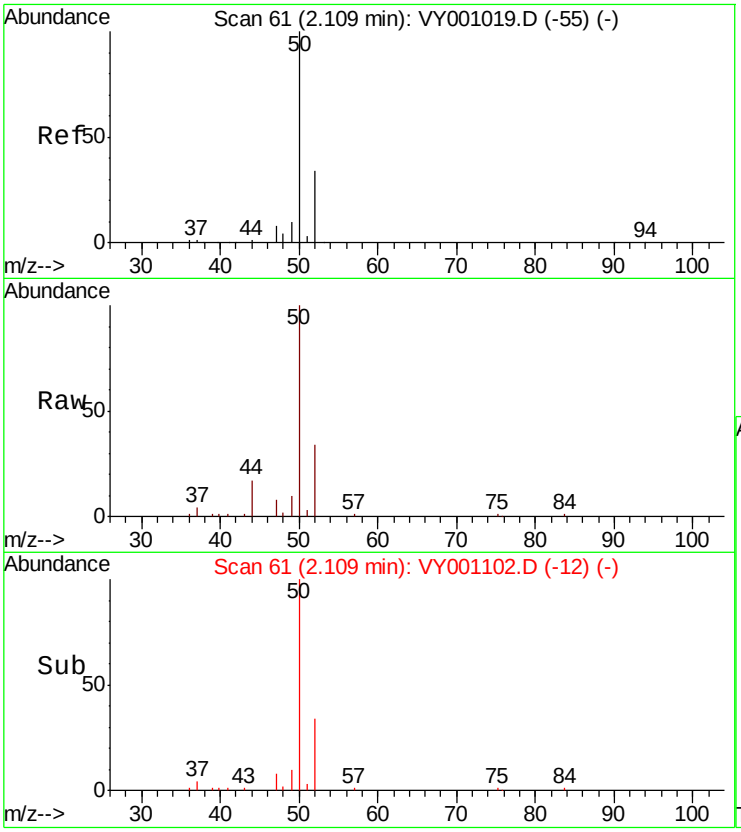



#2
Dichlorodifluoromethane
Concen: 43.591 ug/l
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 85 Resp: 12730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 27.1 | 15.9 | 47.7 |

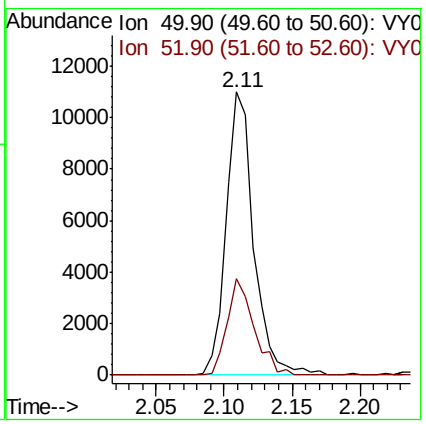





#3
Chloromethane
Concen: 38.789 ug/l
RT: 2.11 min Scan# 61
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 50 Resp: 15417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.0 | 27.1 | 40.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

**Manual Integrations APPROVED**
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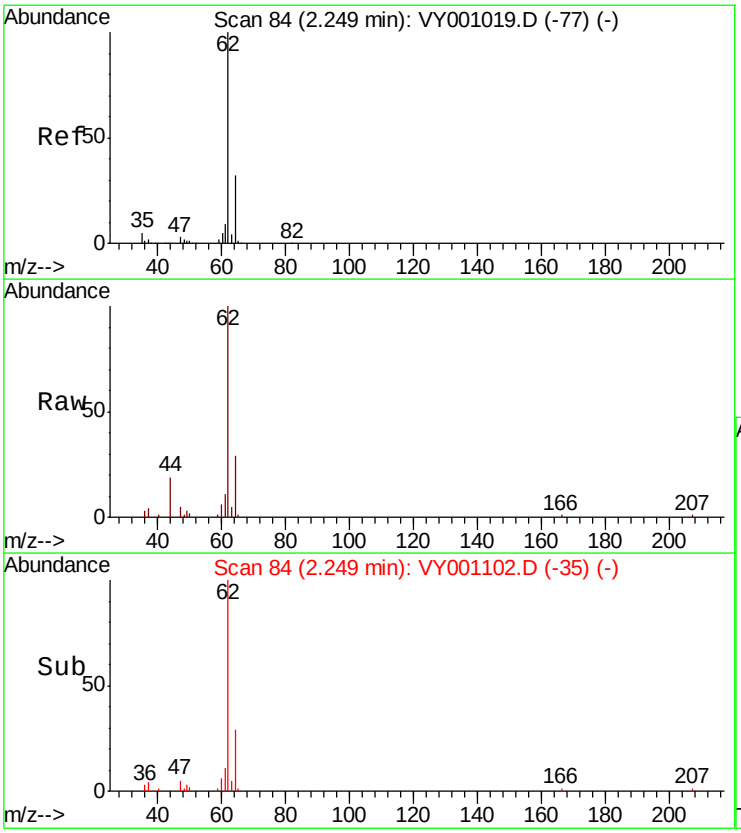
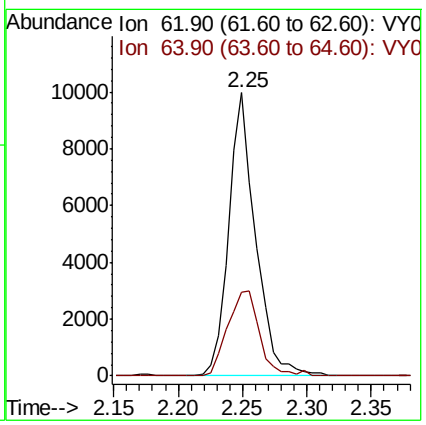
12/30/2019 3:33:48 PM

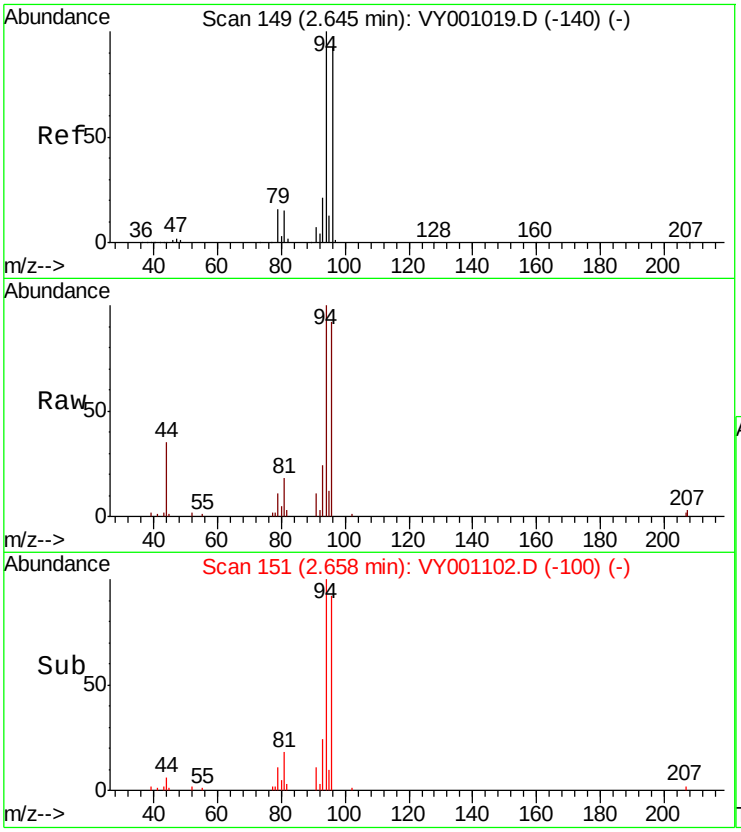



#4
Vinyl Chloride
Concen: 37.592 ug/l
RT: 2.25 min Scan# 84
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 62 Resp: 14510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 29.4 | 25.6 | 38.4 |

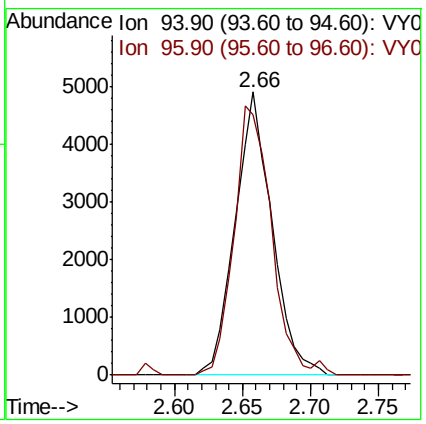





#5
Bromomethane
Concen: 37.404 ug/l
RT: 2.66 min Scan# 151
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

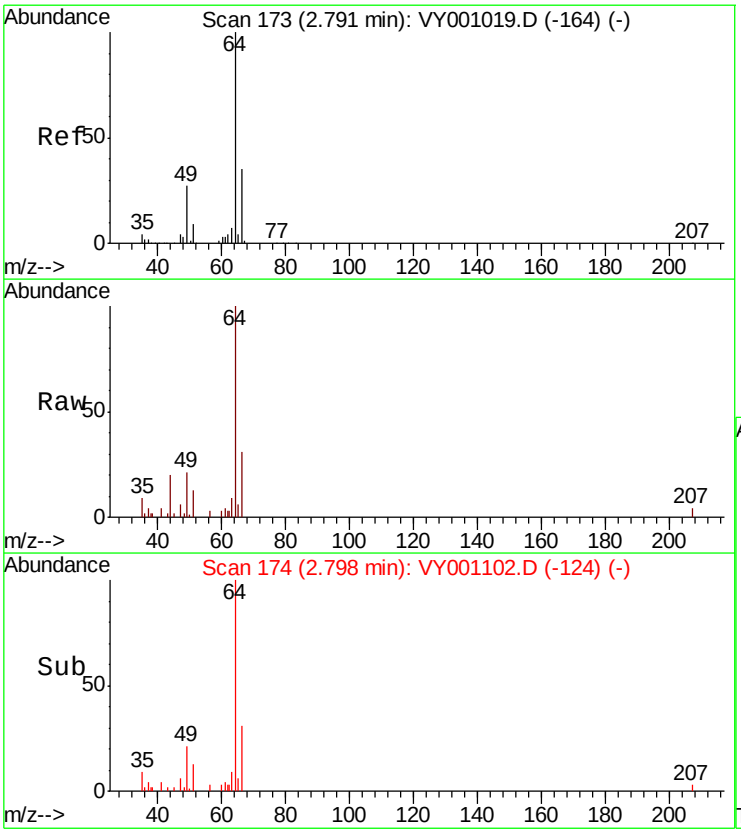
Tgt Ion: 94 Resp: 9304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 74.2 | 111.4 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

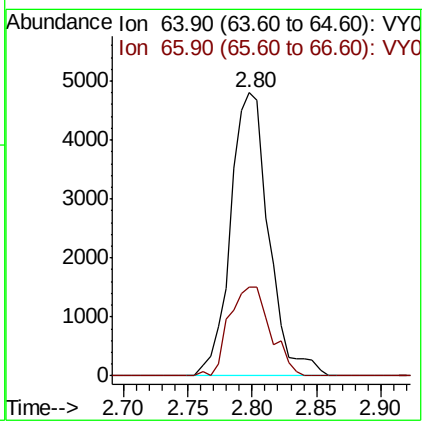
**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

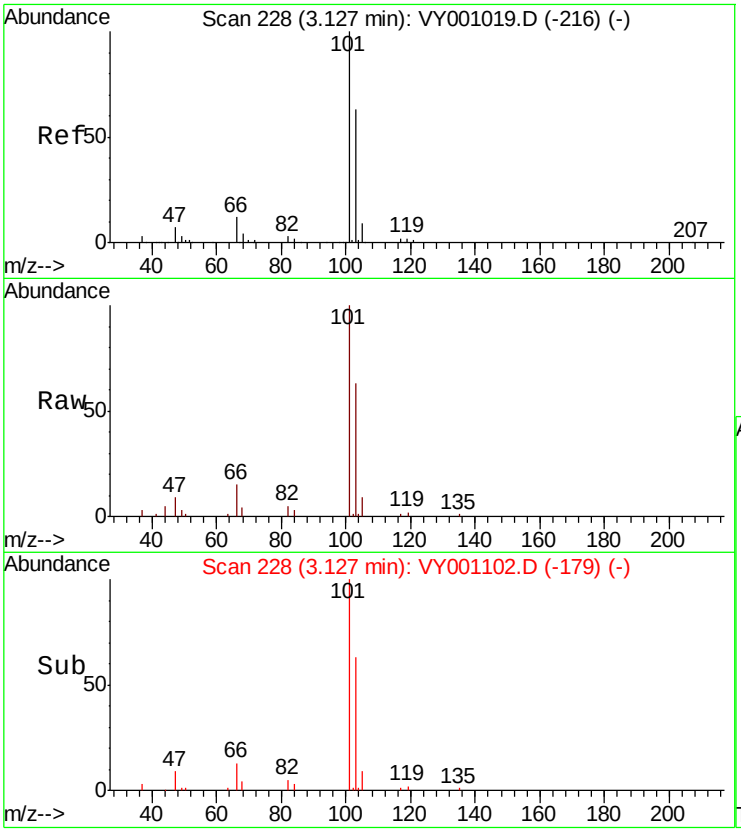



#6
Chloroethane
Concen: 41.180 ug/l
RT: 2.80 min Scan# 174
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 64 Resp: 9900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 27.8 | 41.6 |

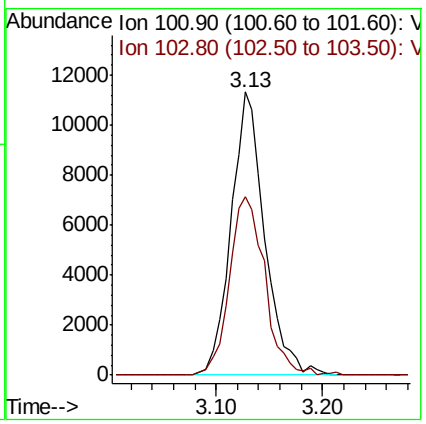





#7
Trichlorofluoromethane
Concen: 44.159 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

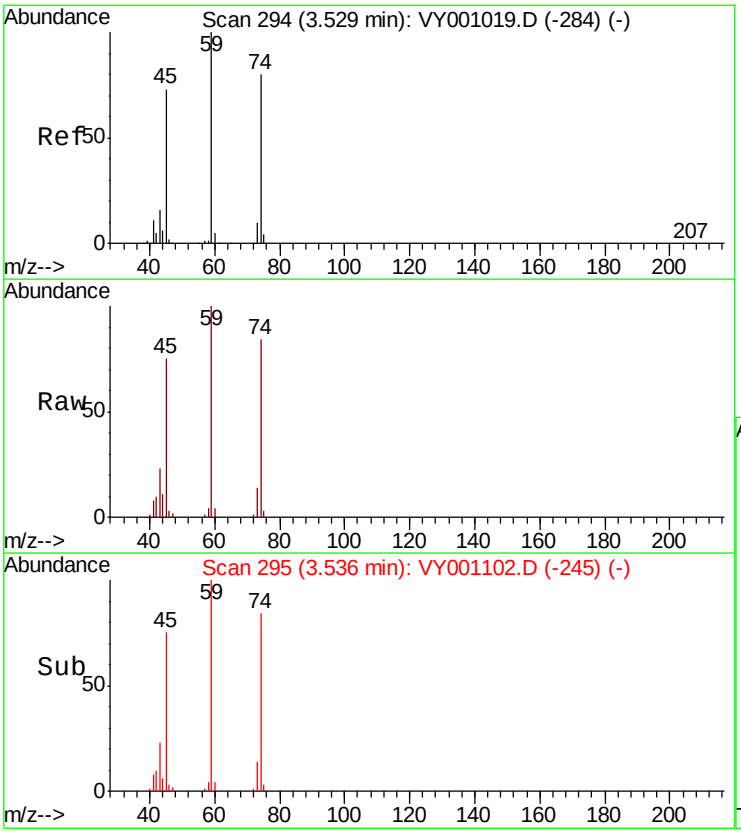
Tgt Ion:101 Resp: 25000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.1 | 50.2 | 75.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

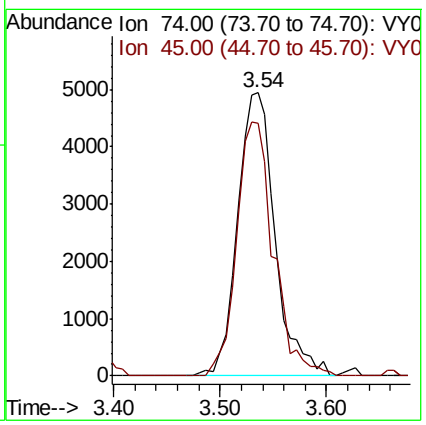
**Manual Integrations APPROVED**
apatel
12/30/2019 3:33:48 PM

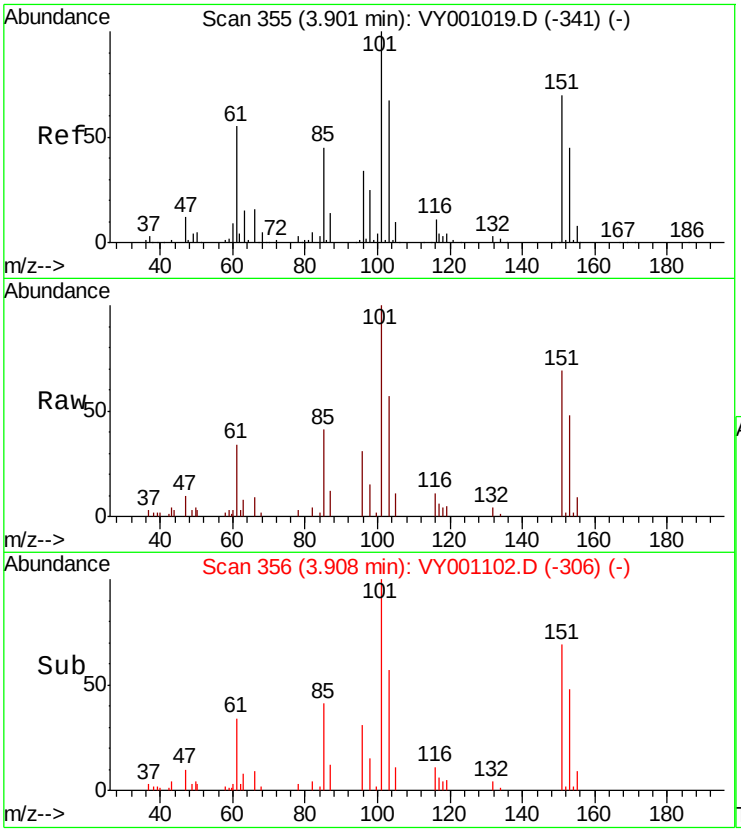



#8
Diethyl Ether
Concen: 52.791 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 74 Resp: 12200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.1 | 46.4 | 139.2 |

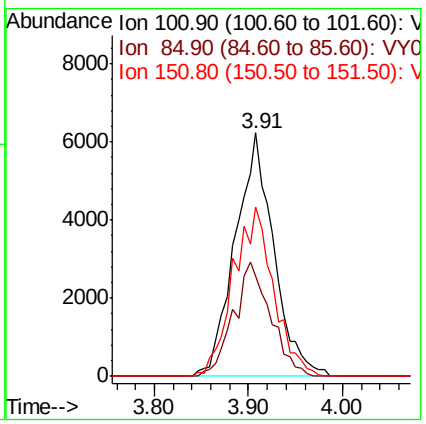





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.031 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:101 Resp: 17862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.8 | 34.2 | 51.2 |
| 151 | 72.1 | 57.0 | 85.6 |




**Instrument :**
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**ClientSampleId :**
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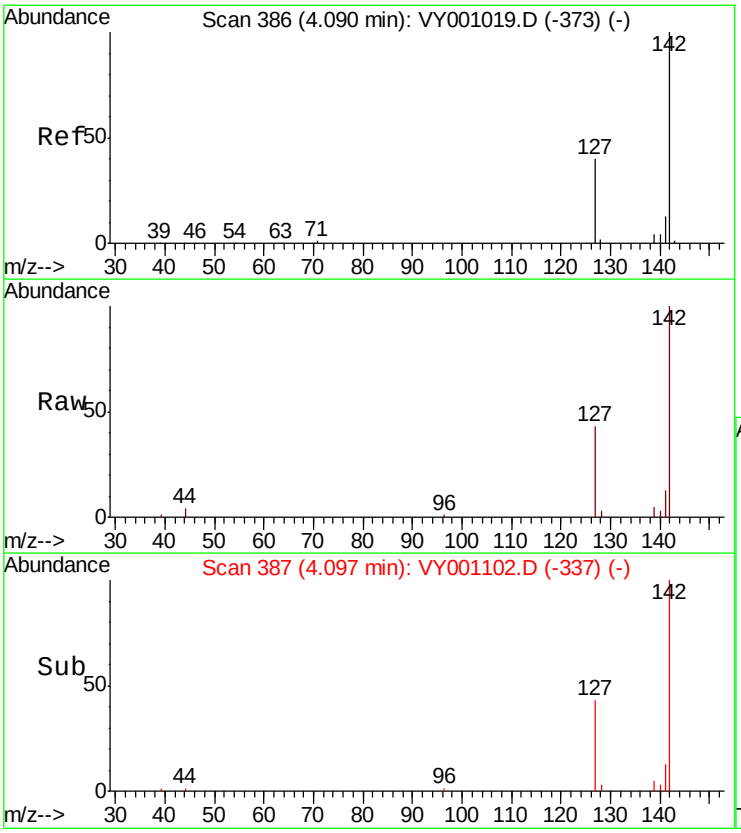
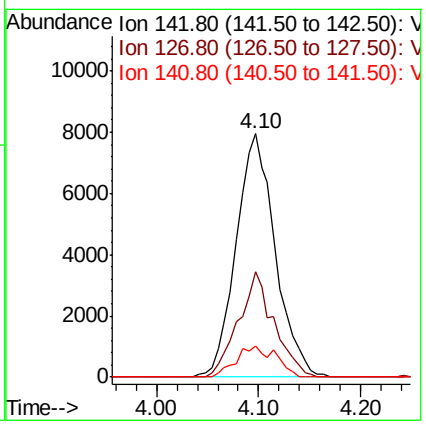
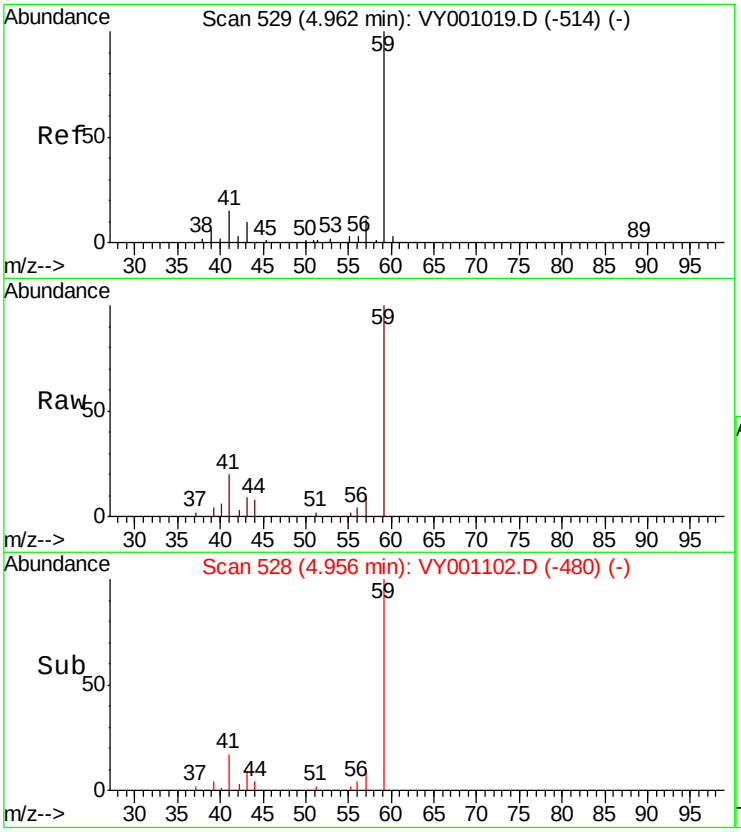



#10
Methyl Iodide
Concen: 41.176 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:142 Resp: 21157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 39.1 | 31.2 | 46.8 |
| 141 | 12.8 | 11.0 | 16.4 |






#11
Tert butyl alcohol
Concen: 292.125 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 59 Resp: 10617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 5.3 | 7.8 | 11.6# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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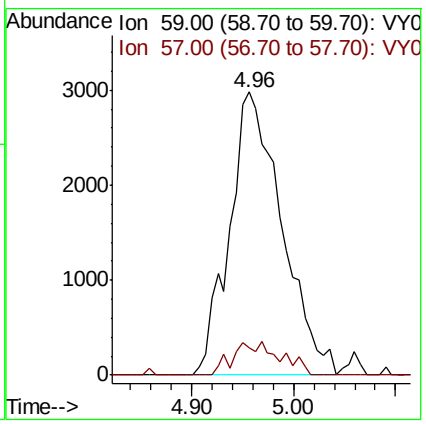
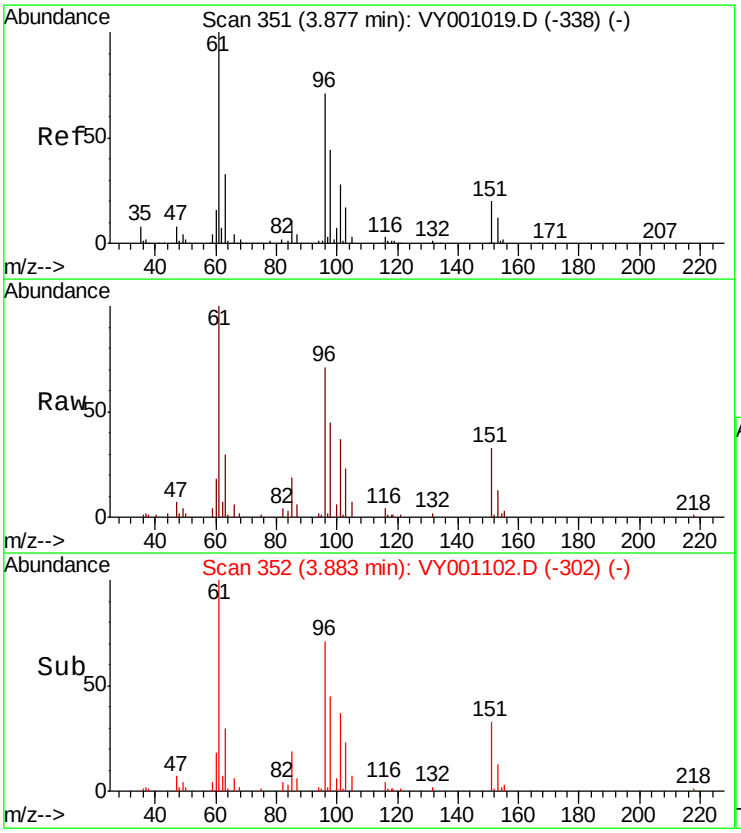
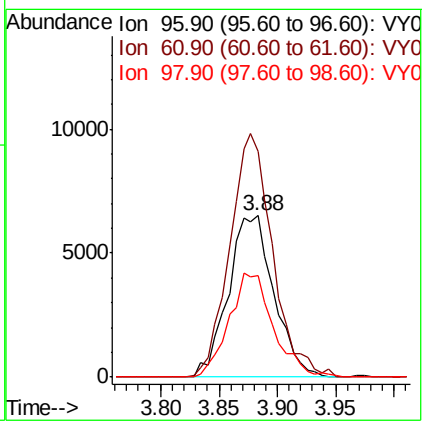


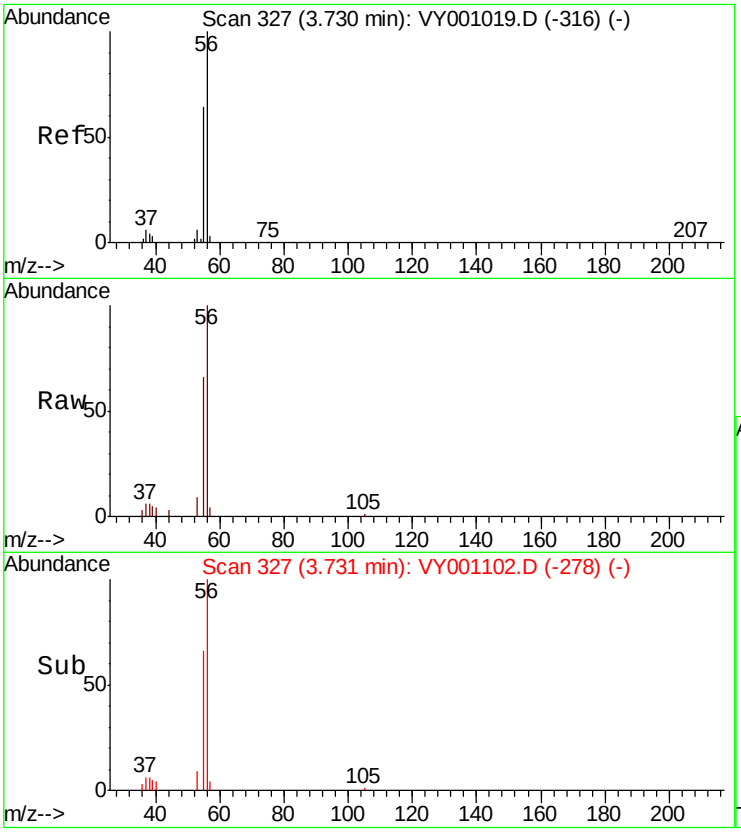




#12
1,1-Dichloroethene
Concen: 47.115 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 96 Resp: 17739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 113.0 | 169.4 |
| 98 | 63.1 | 49.8 | 74.8 |

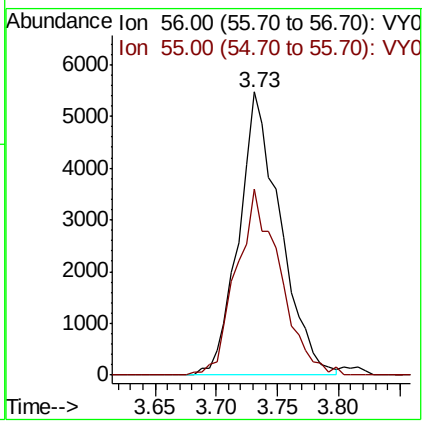





#13
Acrolein
Concen: 286.622 ug/l
RT: 3.73 min Scan# 327
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 56 Resp: 12907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.1 | 55.6 | 83.4 |




**Instrument :**
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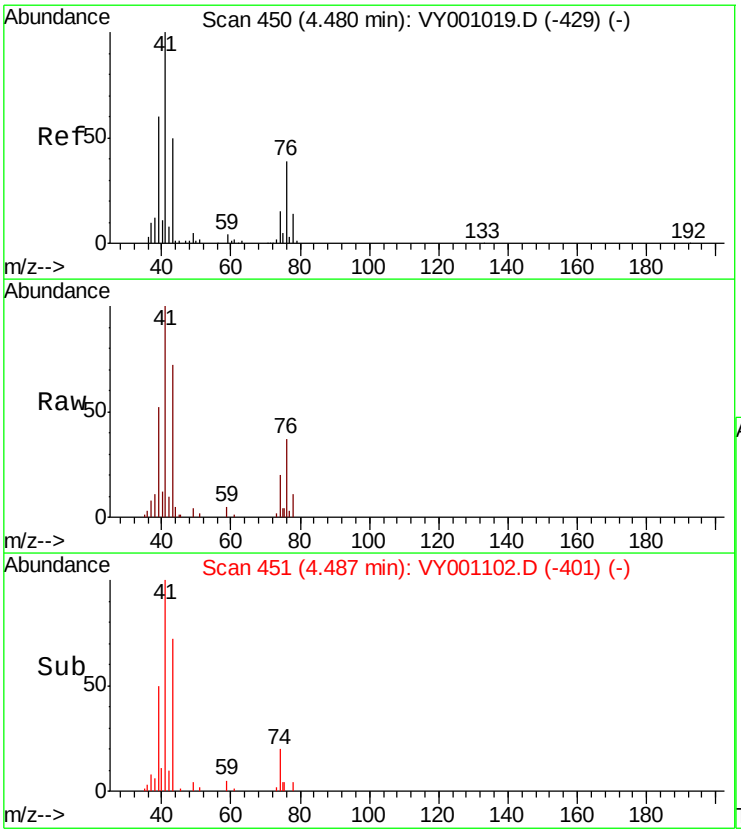
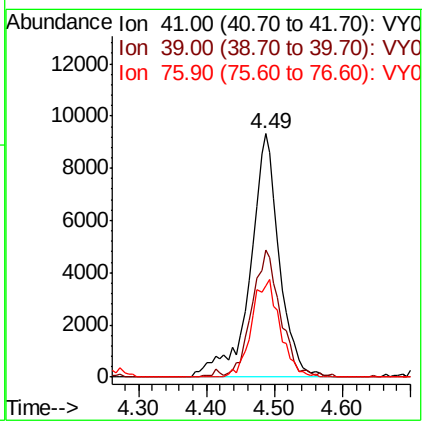
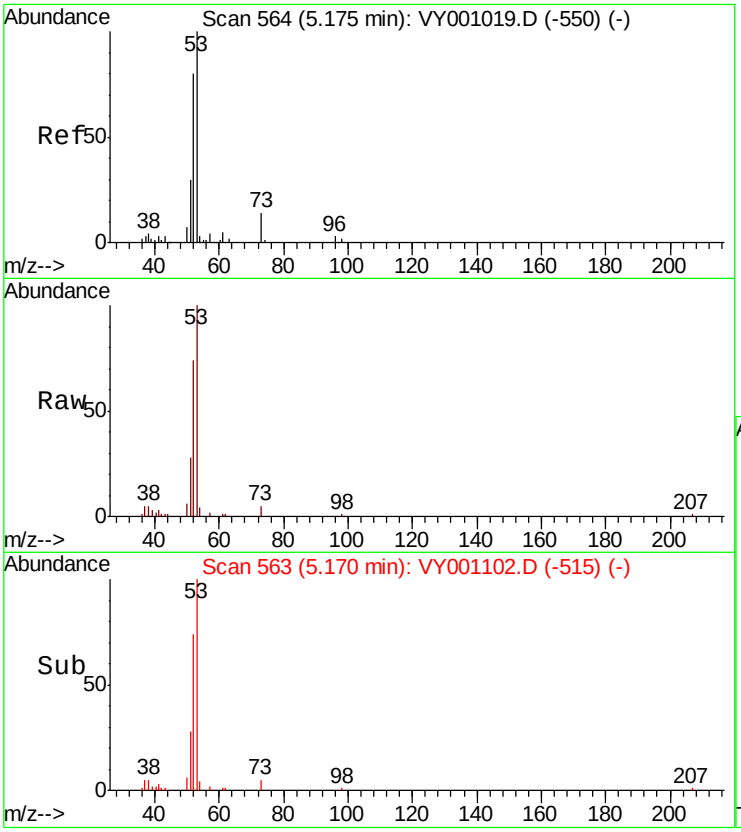



#14
Allyl chloride
Concen: 47.279 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 41 Resp: 27653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 50.2 | 46.0 | 69.0 |
| 76 | 39.3 | 32.6 | 48.8 |

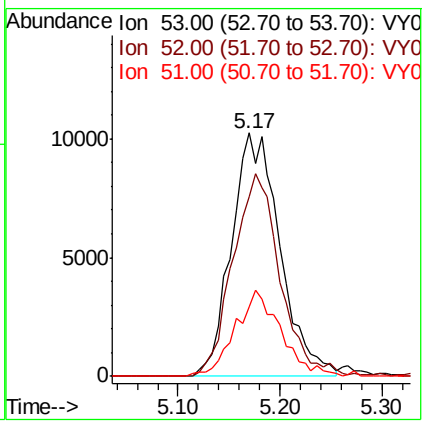





#15
Acrylonitrile
Concen: 292.960 ug/l
RT: 5.17 min Scan# 563
Delta R.T. -0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 53 Resp: 33836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.1 | 63.6 | 95.4 |
| 51 | 33.2 | 26.7 | 40.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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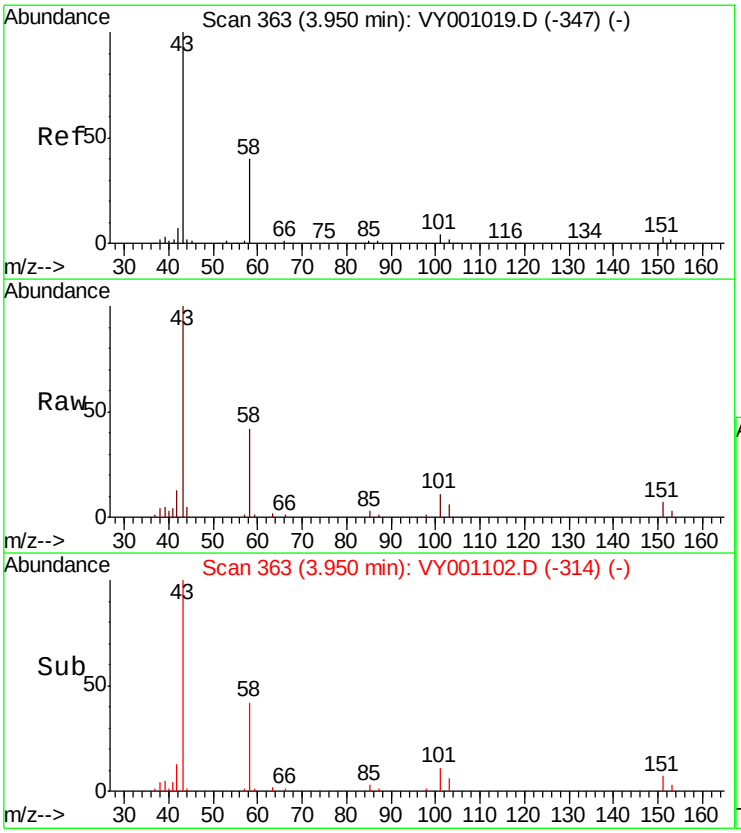
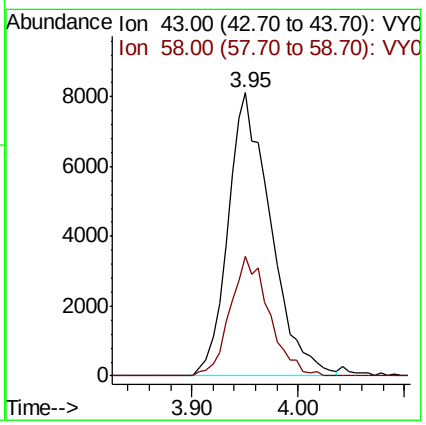
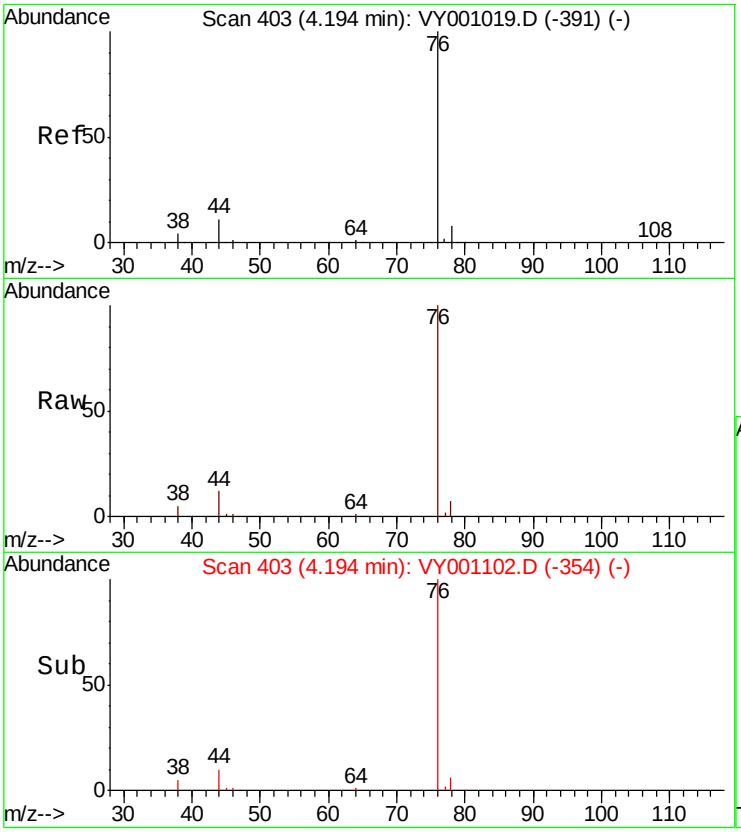



#16
Acetone
Concen: 298.603 ug/l
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 22738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.4 | 32.1 | 48.1 |

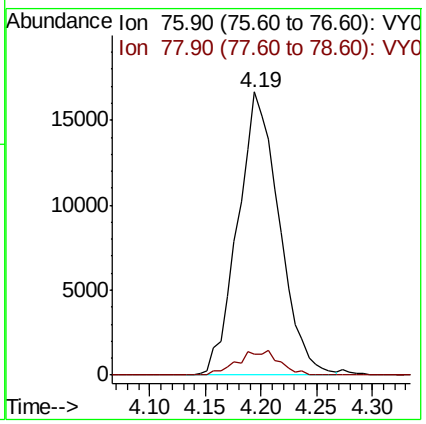





#17
Carbon Disulfide
Concen: 35.007 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 76 Resp: 43069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 7.3 | 6.7 | 10.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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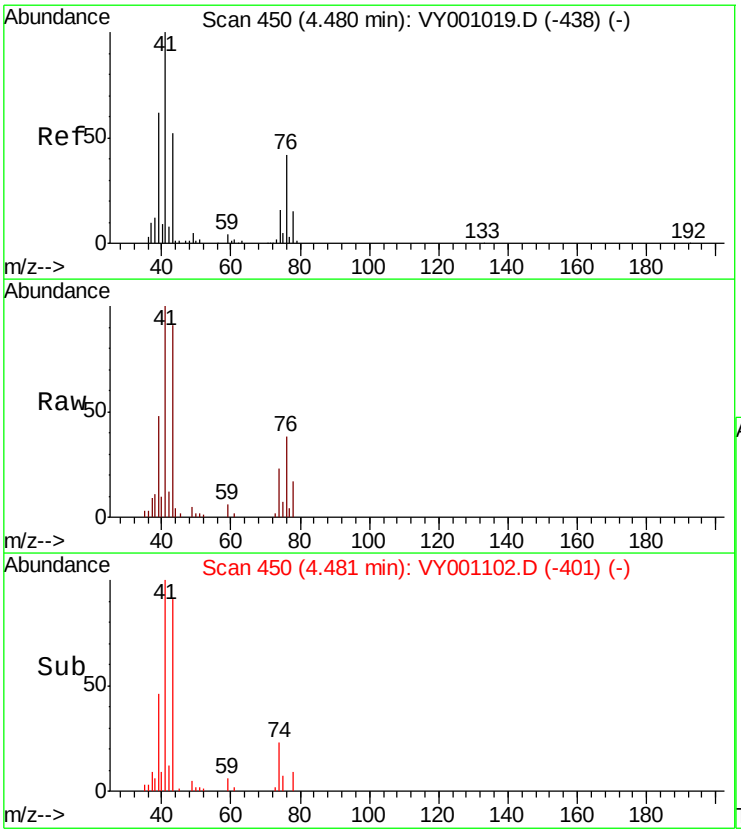
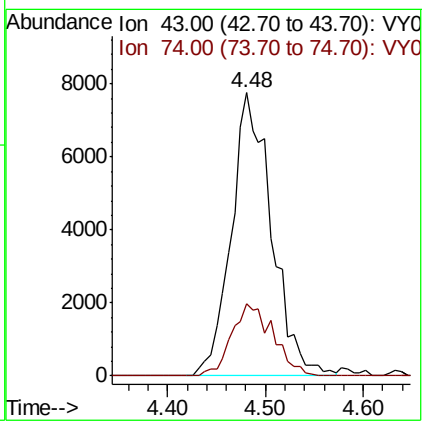
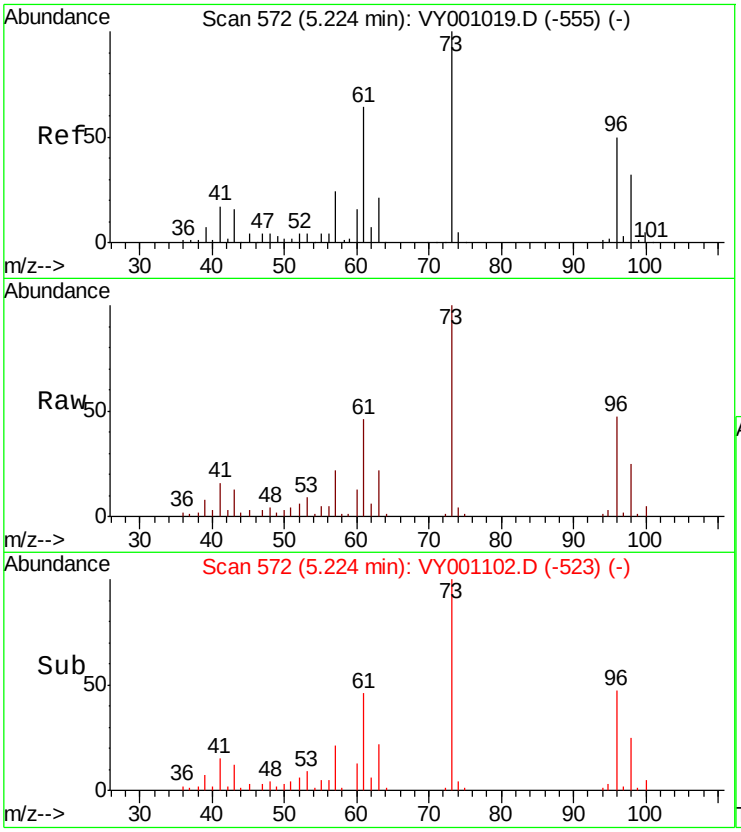



#18
Methyl Acetate
Concen: 75.863 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 22163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.3 | 20.7 | 31.1 |

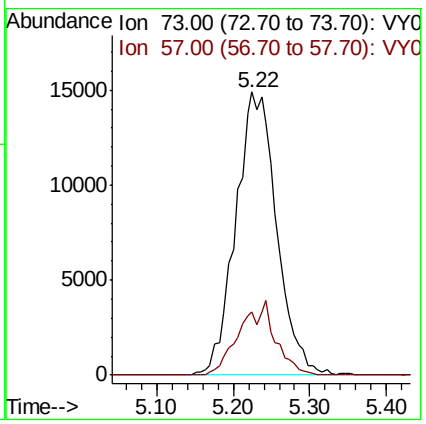





#19
Methyl tert-butyl Ether
Concen: 57.000 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 73 Resp: 55390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.1 | 19.0 | 28.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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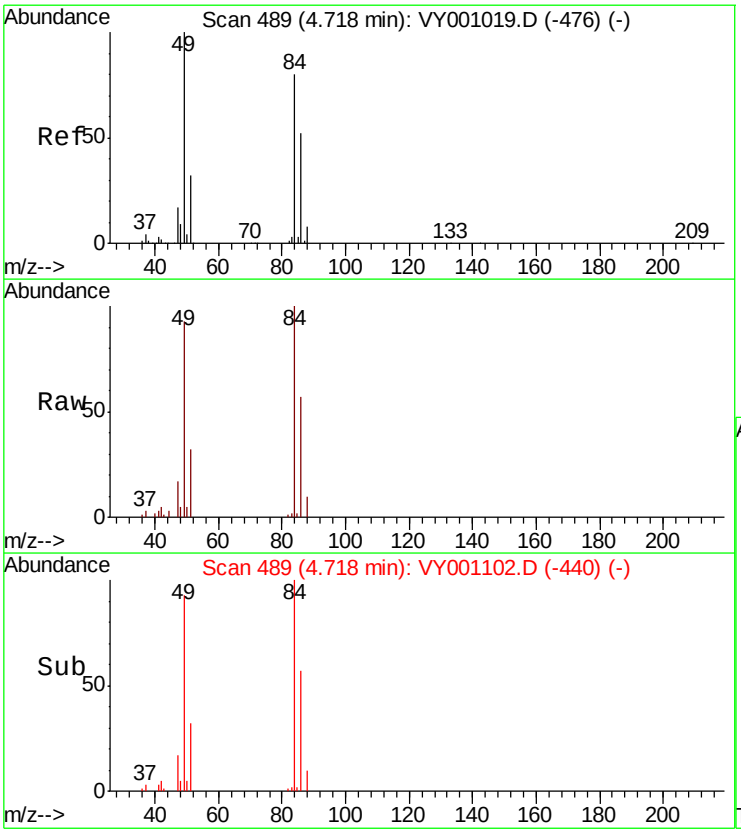
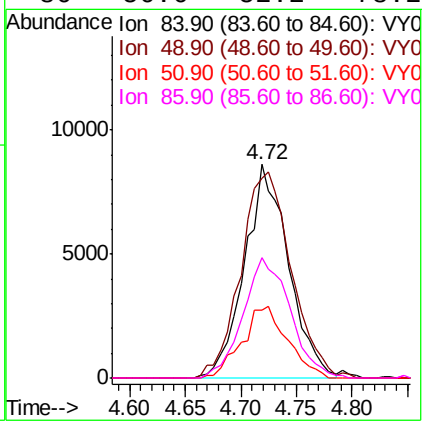
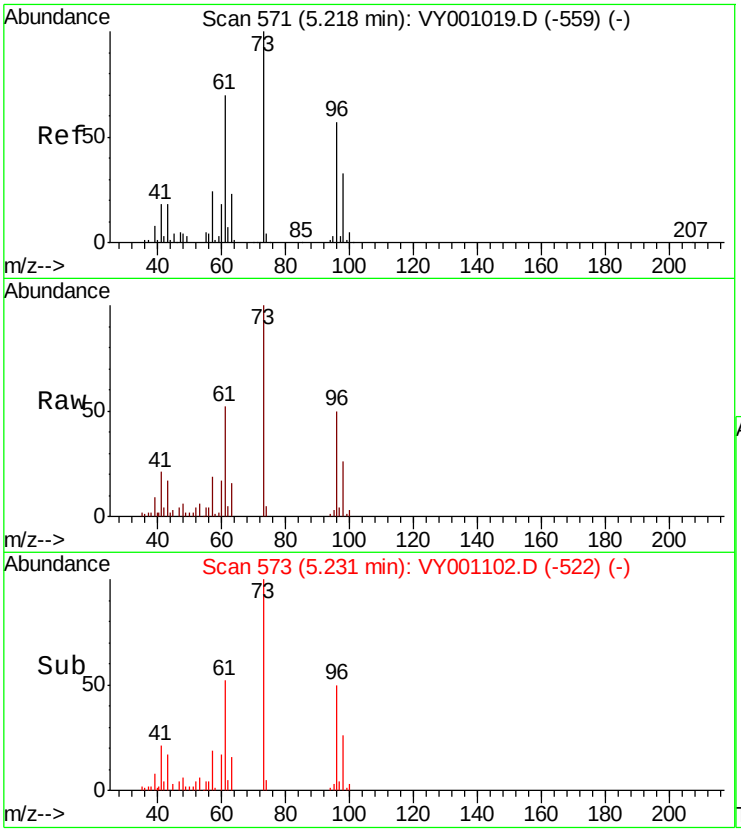



#20
Methylene Chloride
Concen: 52.621 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 84 Resp: 23585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 93.4 | 99.8 | 149.6# |
| 51 | 31.8 | 31.4 | 47.2 |
| 86 | 56.6 | 52.2 | 78.2 |

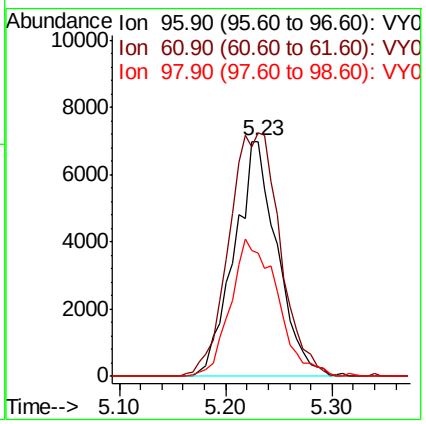





#21
trans-1,2-Dichloroethene
Concen: 47.426 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 96 Resp: 19789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 103.7 | 98.1 | 147.1 |
| 98 | 52.3 | 47.2 | 70.8 |




**Instrument :**
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**ClientSampleId :**
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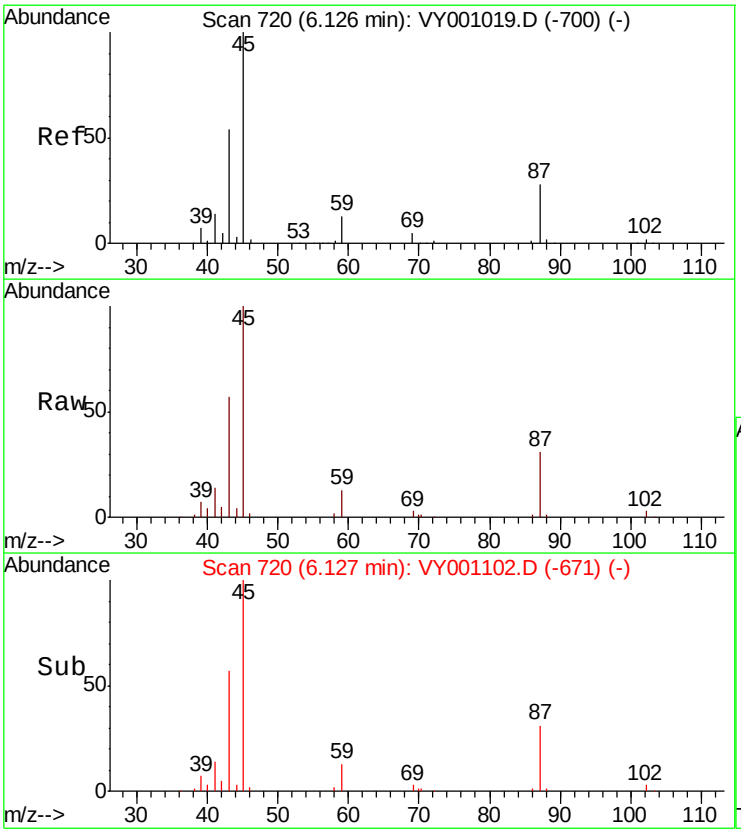
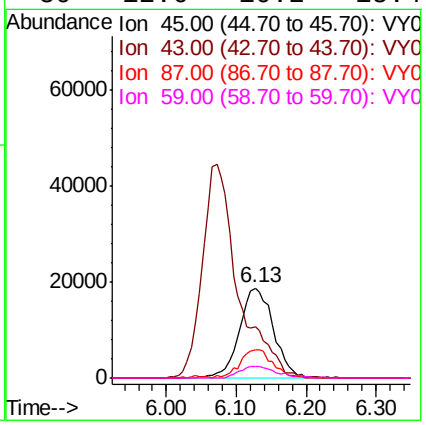
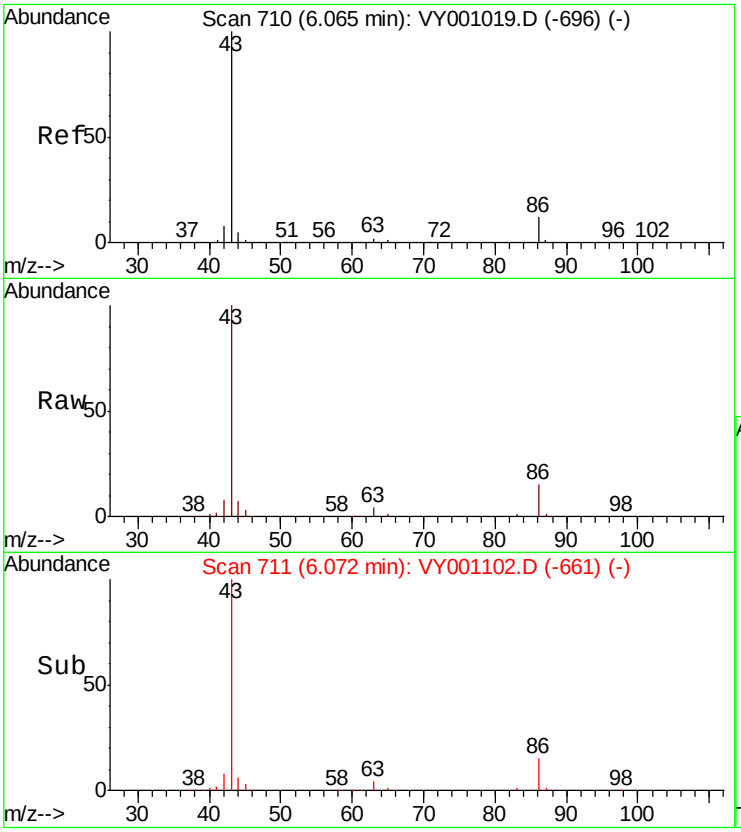



#22
Diisopropyl ether
Concen: 53.535 ug/l
RT: 6.13 min Scan# 720
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 45 Resp: 63291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 56.2 | 43.6 | 65.4 |
| 87 | 30.9 | 23.1 | 34.7 |
| 59 | 12.6 | 10.2 | 15.4 |






#23
Vinyl Acetate
Concen: 210.782 ug/l
RT: 6.07 min Scan# 711
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 157376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 14.8 | 9.5 | 14.3# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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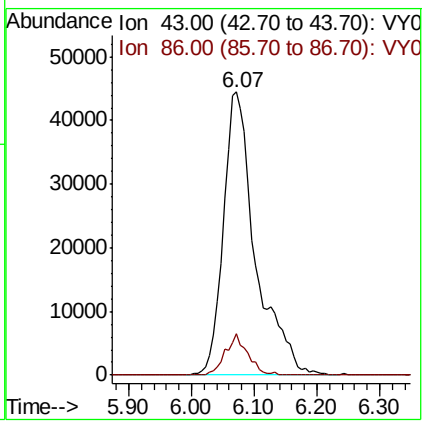
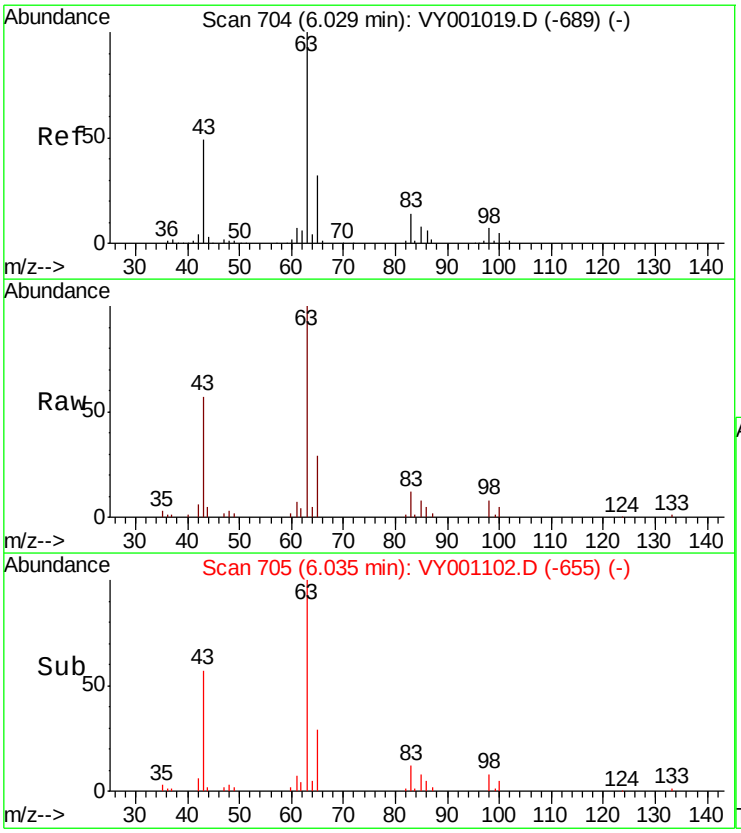
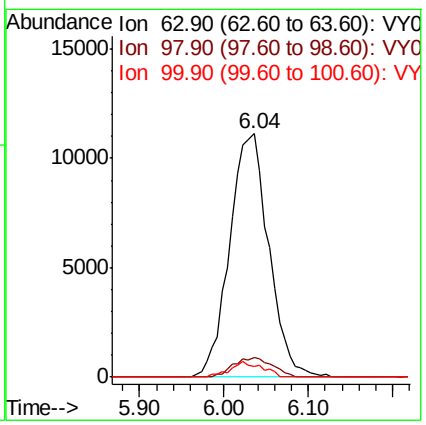


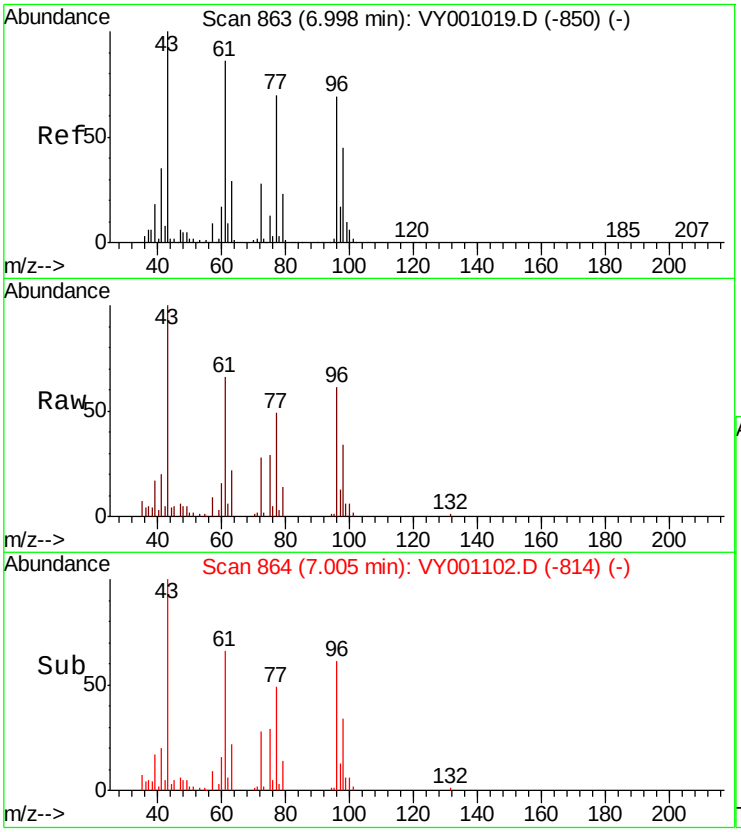




#24
1,1-Dichloroethane
Concen: 50.086 ug/l
RT: 6.04 min Scan# 705
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 63 Resp: 34992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.2 | 3.8 | 11.2 |
| 100 | 4.5 | 2.5 | 7.5 |

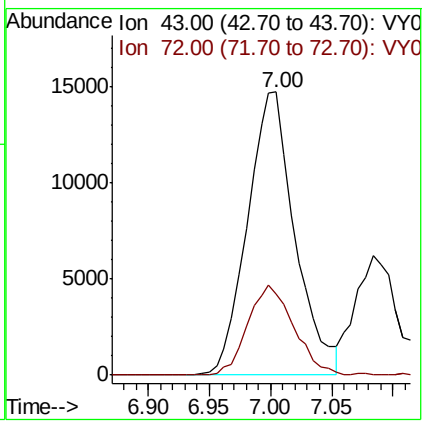





#25
2-Butanone
Concen: 297.207 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 39758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.5 | 22.4 | 33.6 |




**Instrument :**
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**ClientSampleId :**
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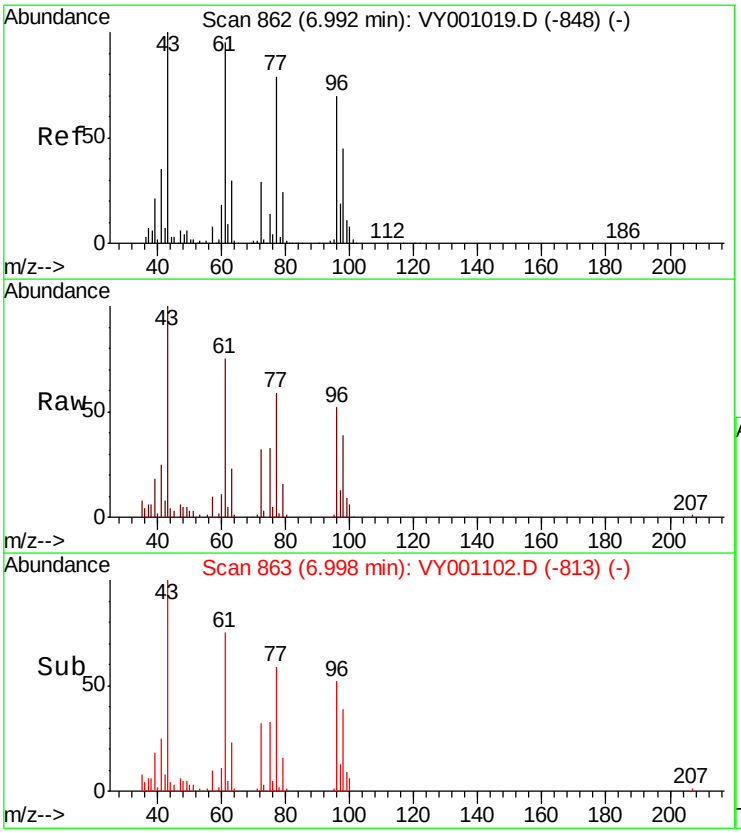
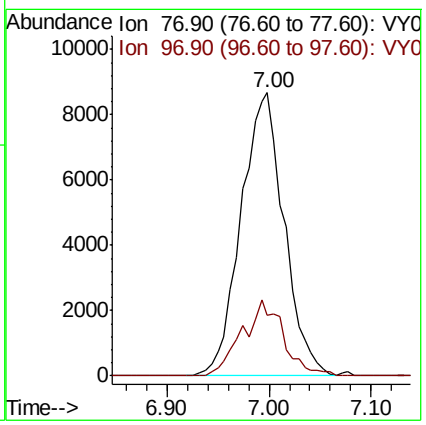
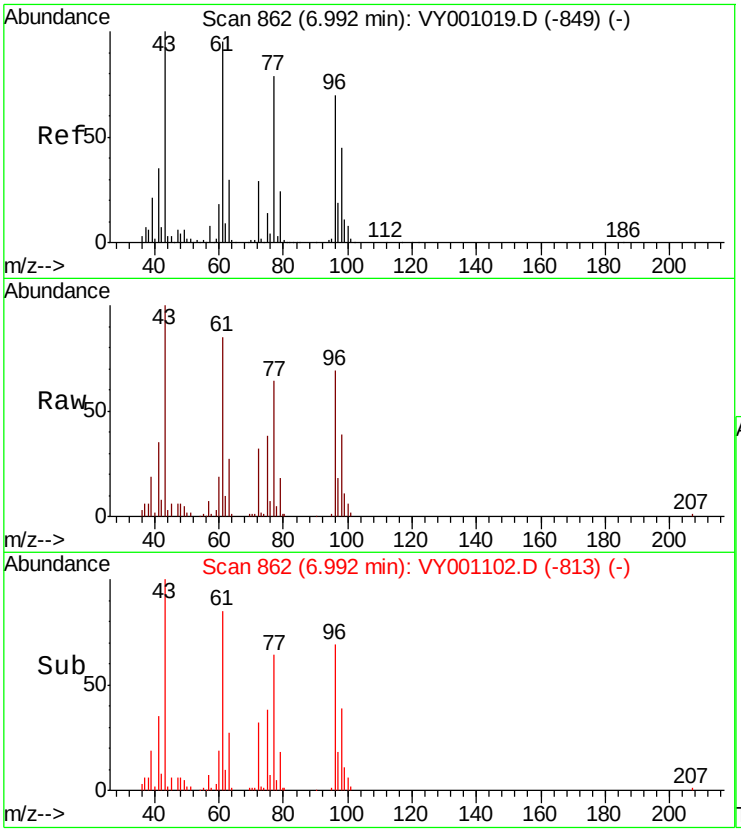



#26
2,2-Dichloropropane
Concen: 44.260 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 77 Resp: 25405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.8 | 12.0 | 36.1 |

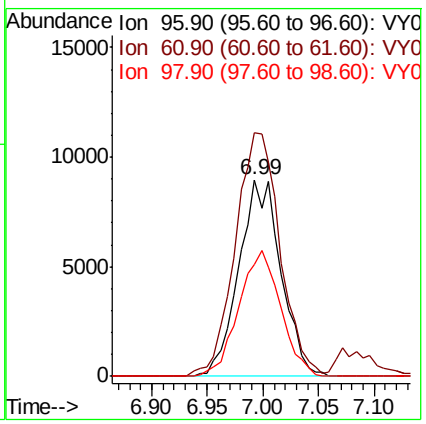





#27
cis-1,2-Dichloroethene
Concen: 51.464 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 96 Resp: 23592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.8 | 0.0 | 268.2 |
| 98 | 63.6 | 0.0 | 129.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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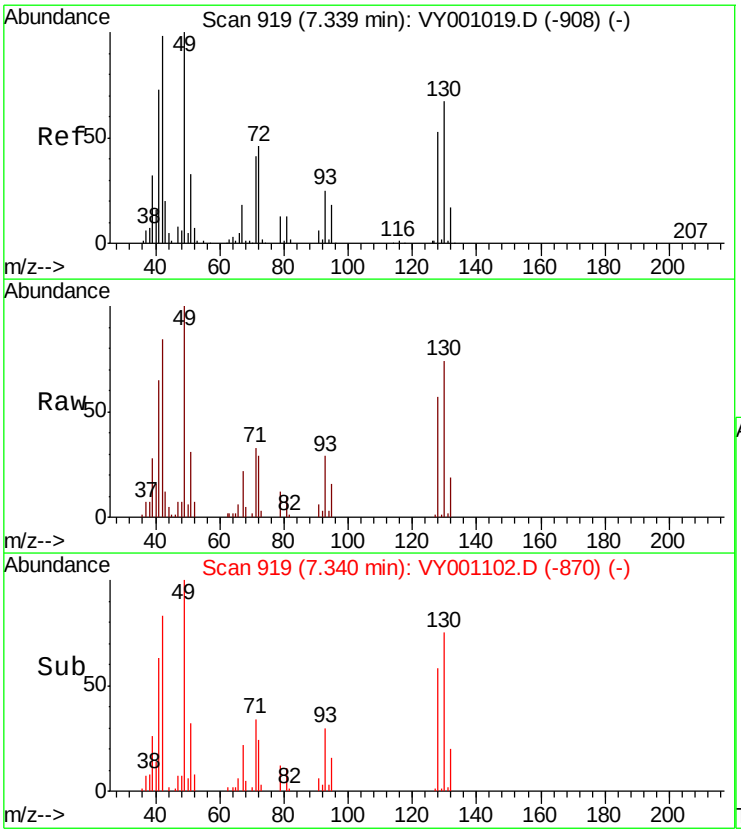
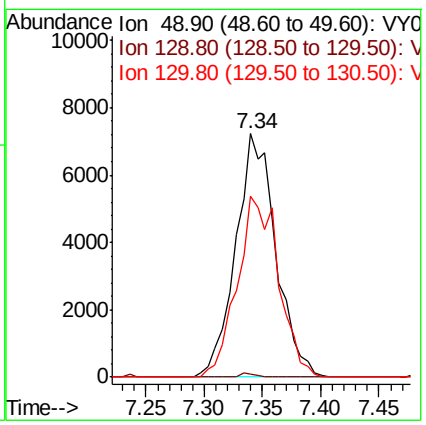
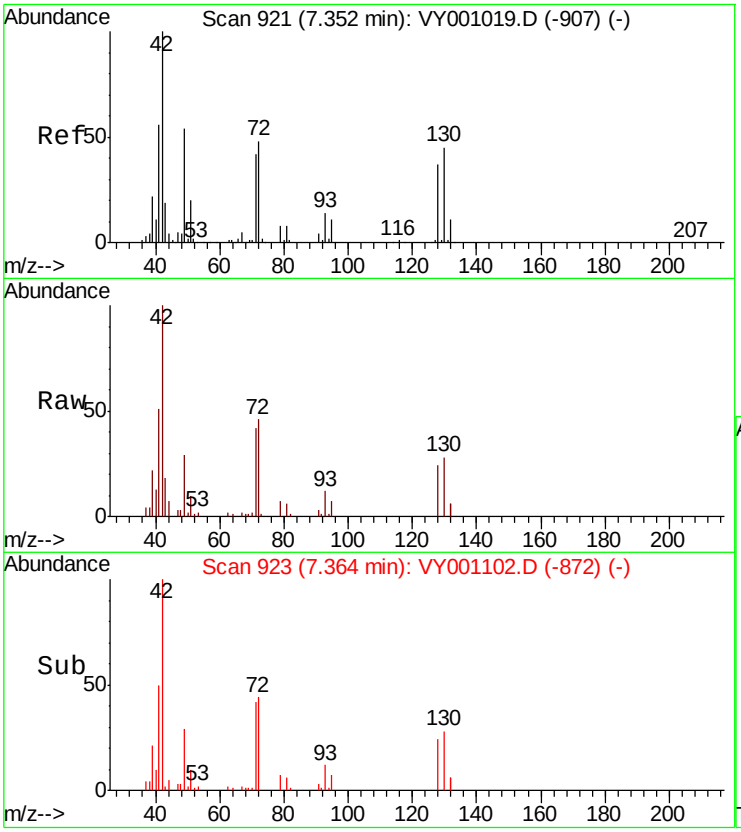



#28
Bromochloromethane
Concen: 63.373 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 49 Resp: 17275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.6 | 0.0 | 3.8 |
| 130 | 76.7 | 60.4 | 90.6 |

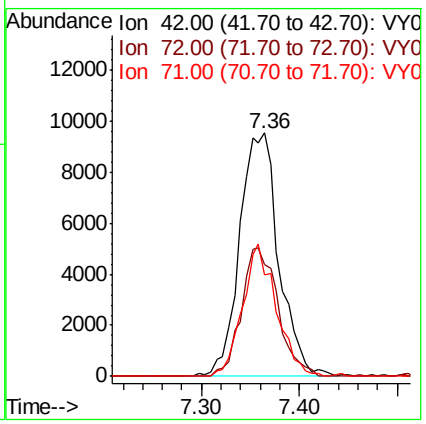





#29
Tetrahydrofuran
Concen: 277.934 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 42 Resp: 26447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 49.5 | 37.7 | 56.5 |
| 71 | 47.0 | 34.6 | 51.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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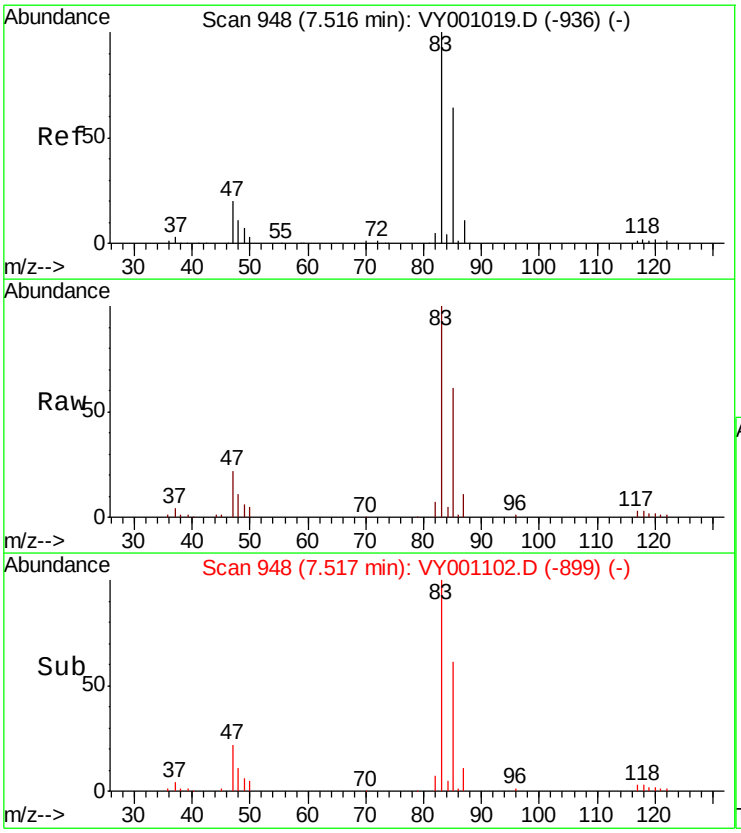
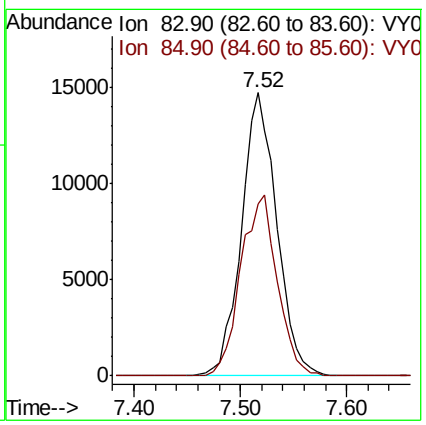
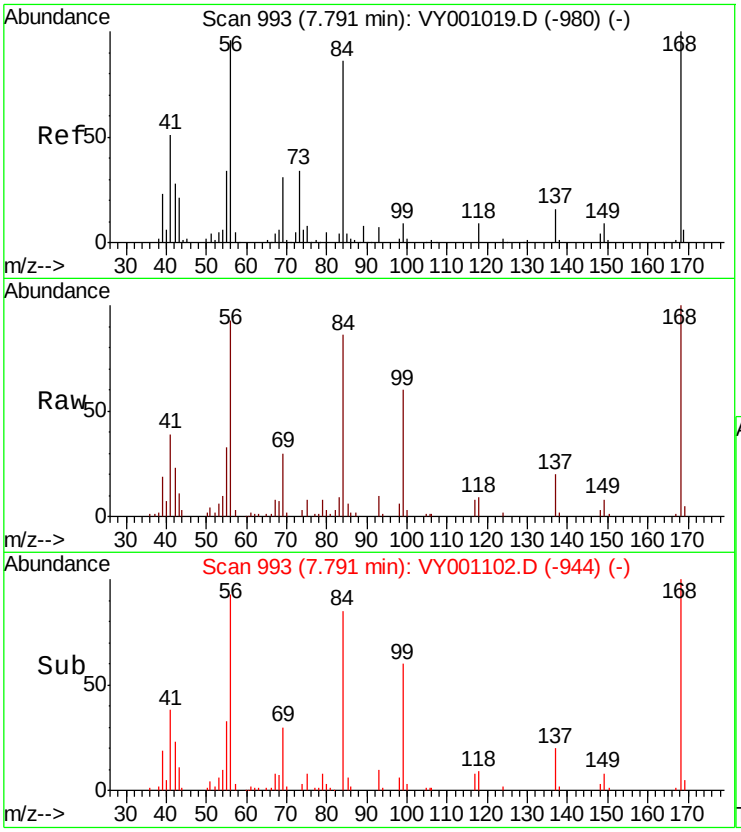



#30
Chloroform
Concen: 51.877 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 83 Resp: 34271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.7 | 51.6 | 77.4 |

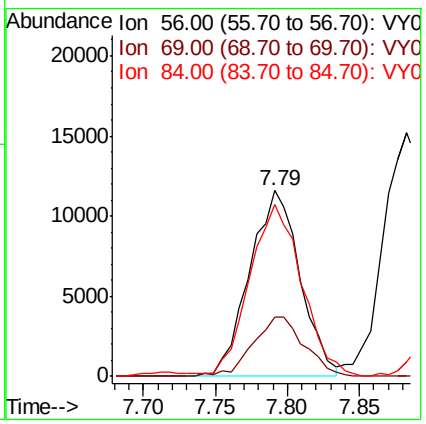





#31
Cyclohexane
Concen: 38.307 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 56 Resp: 28142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.1 | 26.1 | 39.1 |
| 84 | 91.0 | 71.8 | 107.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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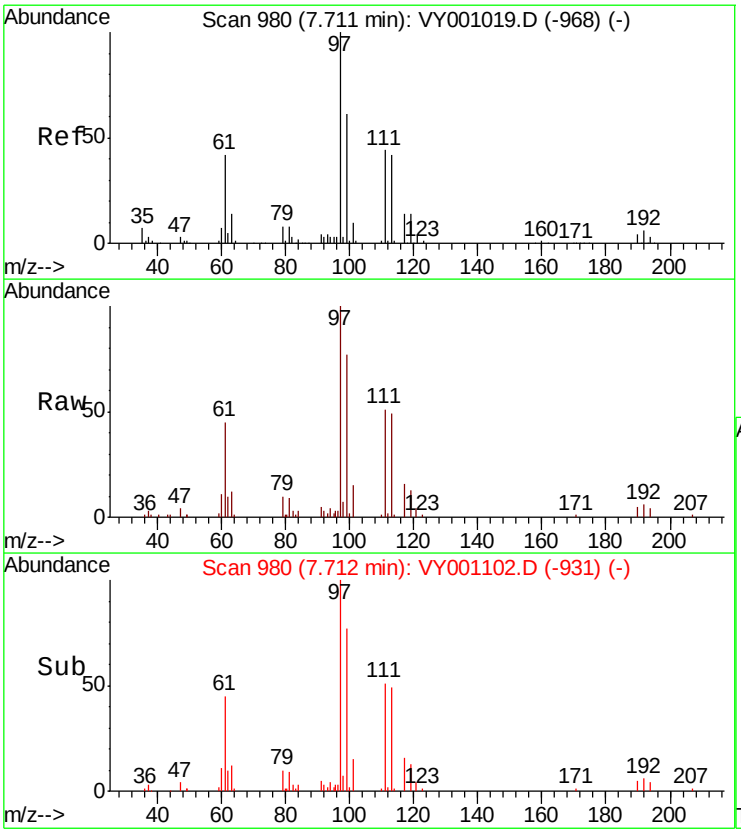
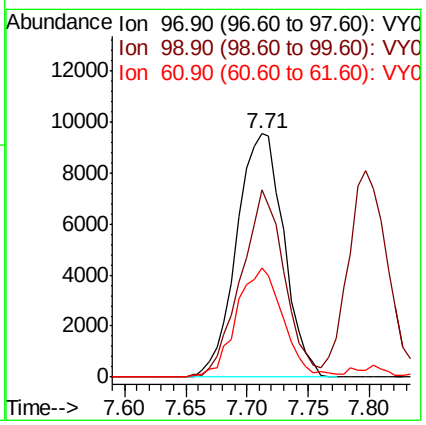
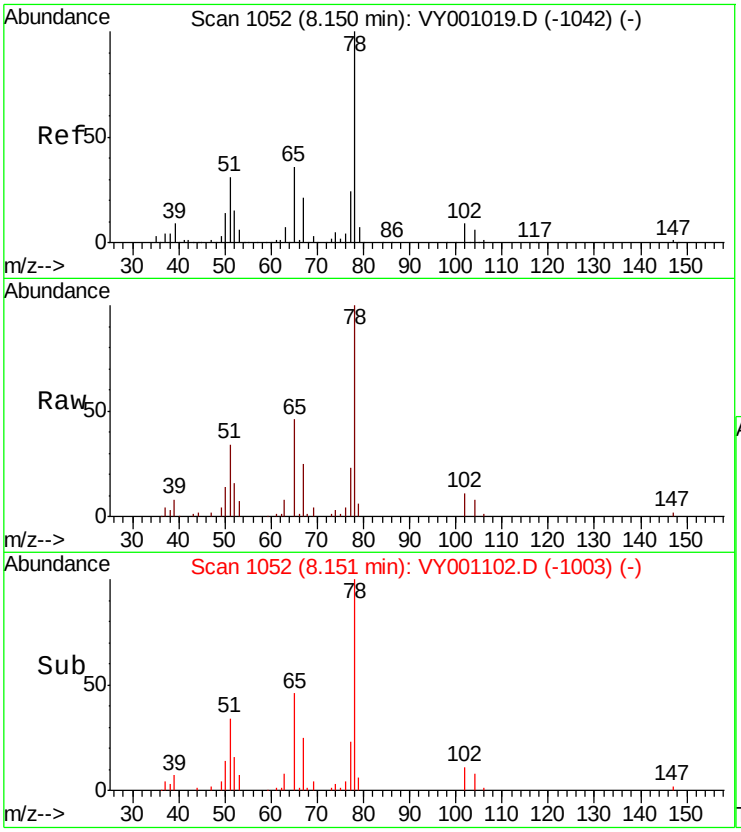



#32
1,1,1-Trichloroethane
Concen: 45.280 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 97 Resp: 25517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 71.3 | 50.6 | 76.0 |
| 61 | 44.5 | 33.0 | 49.6 |






#33
1,2-Dichloroethane-d4
Concen: 57.536 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 65 Resp: 19018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 56.8 | 0.0 | 112.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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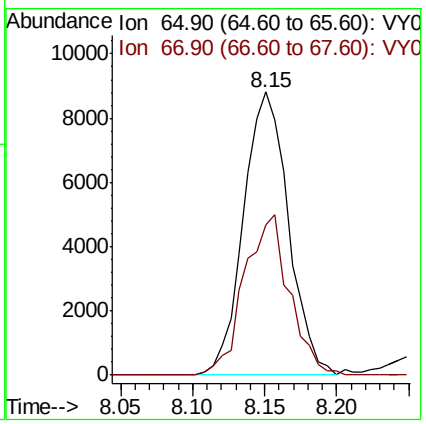
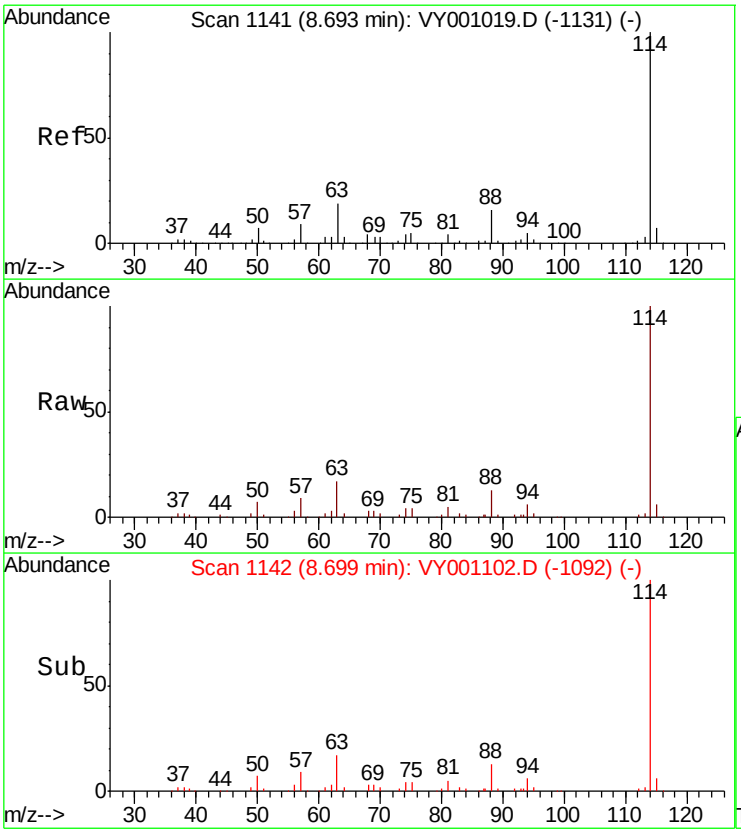
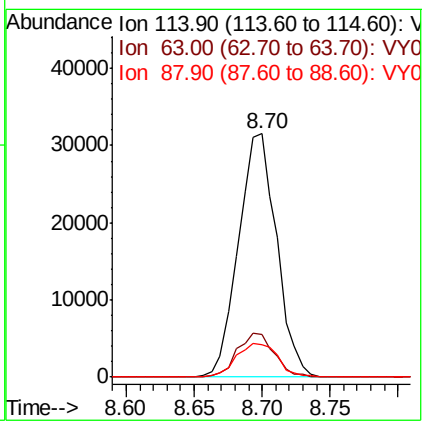


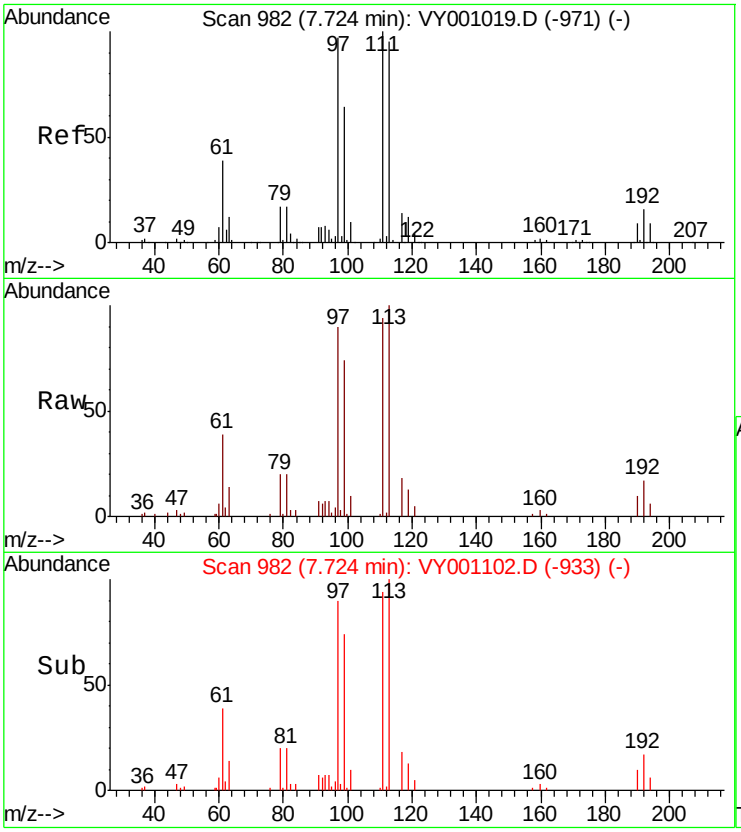




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:114 Resp: 61754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.3 | 0.0 | 37.0 |
| 88 | 13.3 | 0.0 | 32.0 |

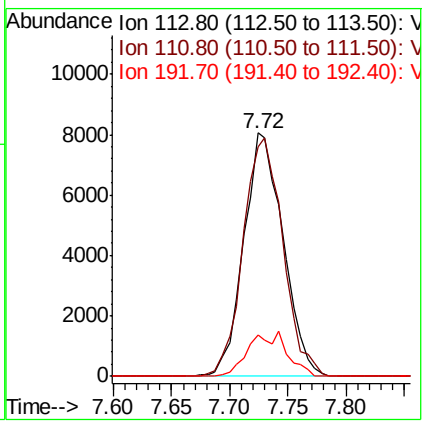





#35
Dibromofluoromethane
Concen: 52.004 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:113 Resp: 18911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.3 | 83.0 | 124.4 |
| 192 | 17.8 | 14.6 | 21.8 |




**Instrument :**
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**ClientSampleId :**
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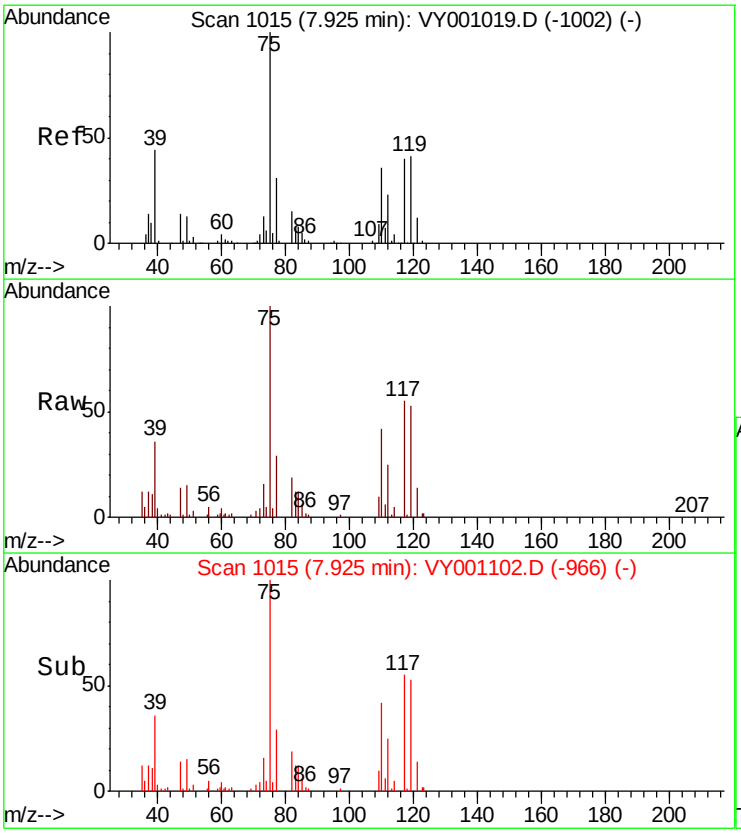
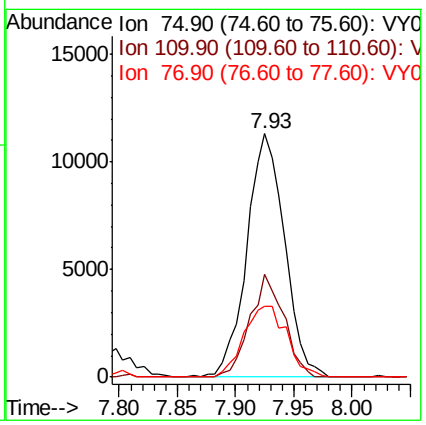
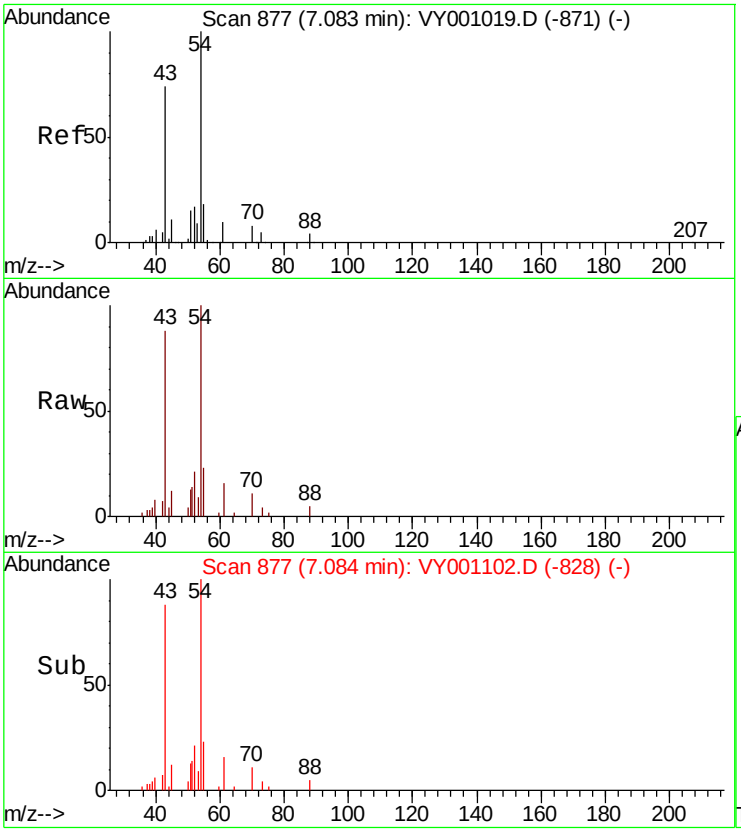



#36
1,1-Dichloropropene
Concen: 43.152 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 25422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 37.9 | 18.1 | 54.4 |
| 77 | 33.3 | 24.6 | 37.0 |






#37
Ethyl Acetate
Concen: 43.344 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 14139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.0 | 12.5 | 18.7# |
| 70 | 15.8 | 9.0 | 13.4# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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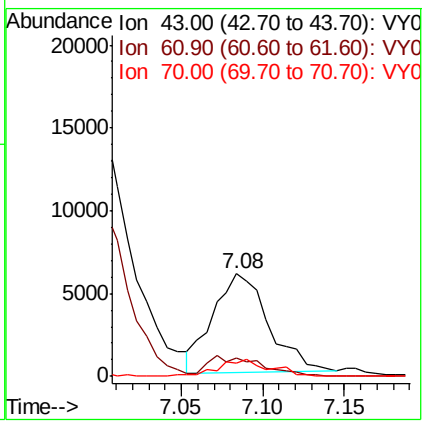
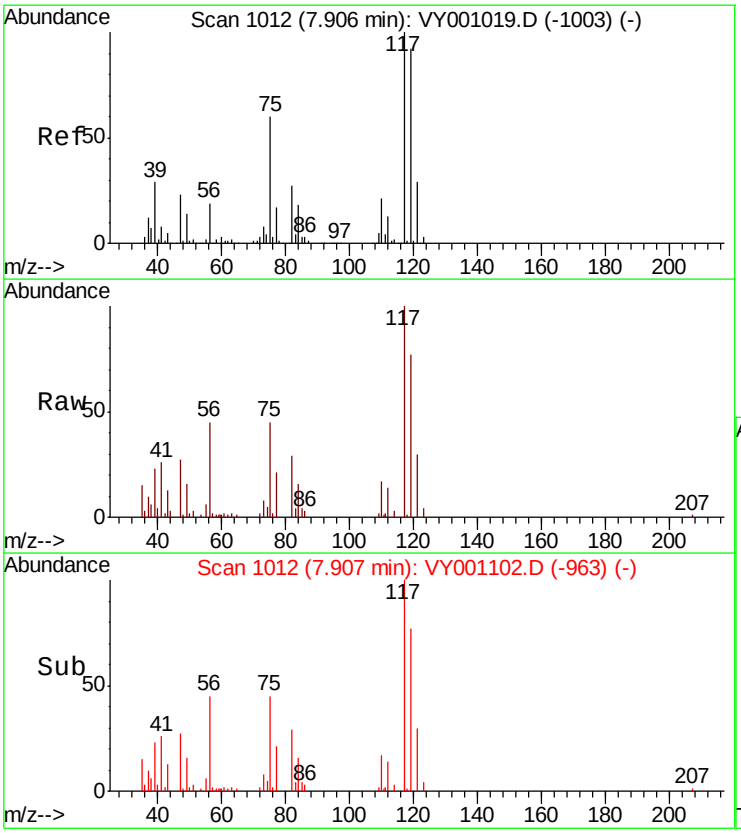
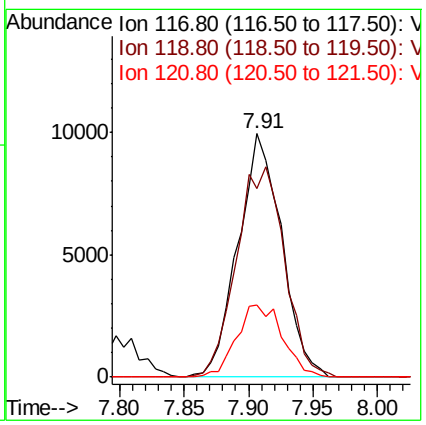


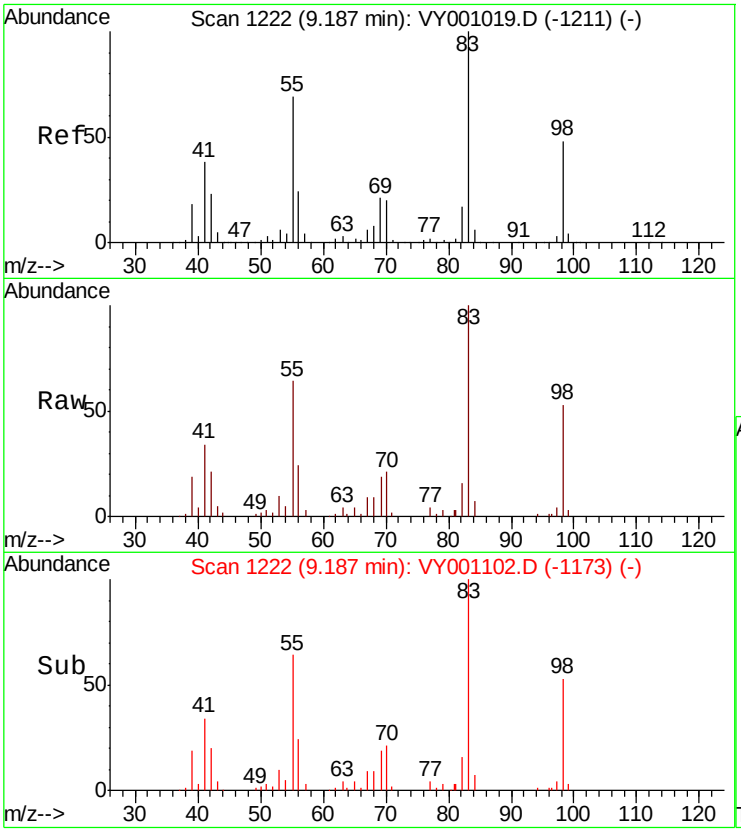




#38
Carbon Tetrachloride
Concen: 45.211 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:117 Resp: 23336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 77.2 | 74.2 | 111.2 |
| 121 | 29.7 | 22.9 | 34.3 |

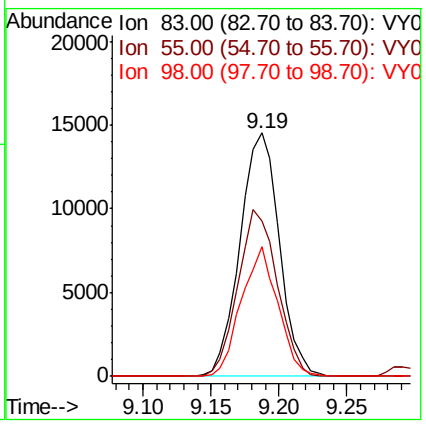





#39
Methylcyclohexane
Concen: 37.718 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 83 Resp: 29508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 63.8 | 55.1 | 82.7 |
| 98 | 53.2 | 38.3 | 57.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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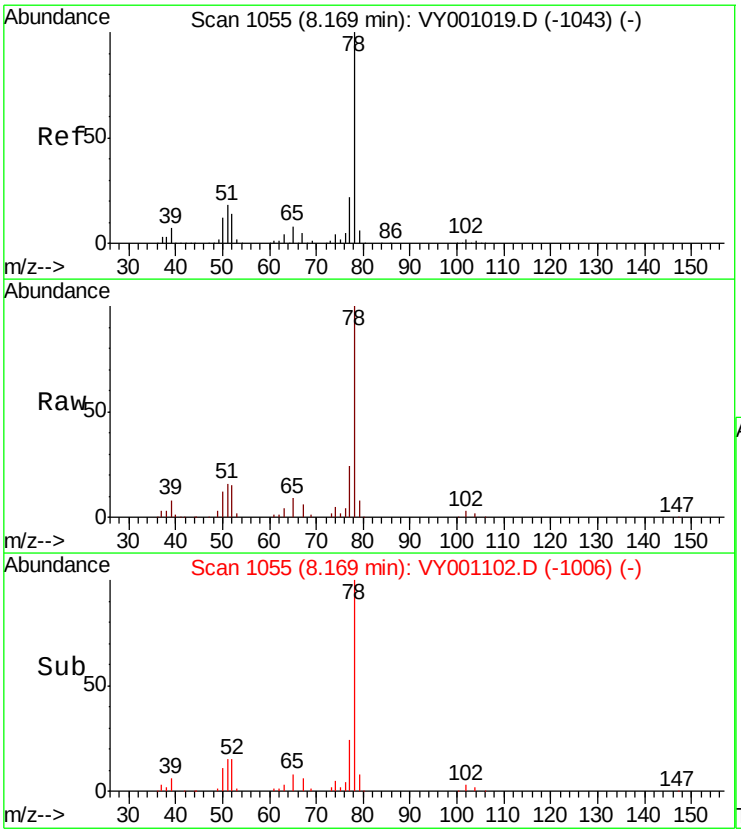
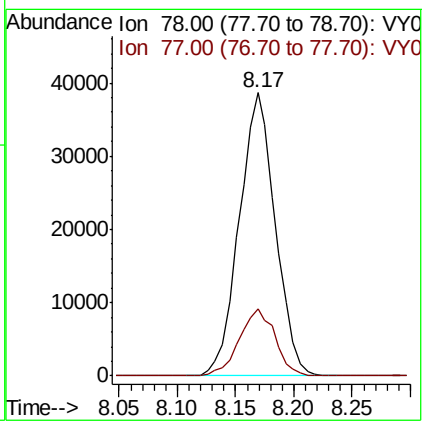
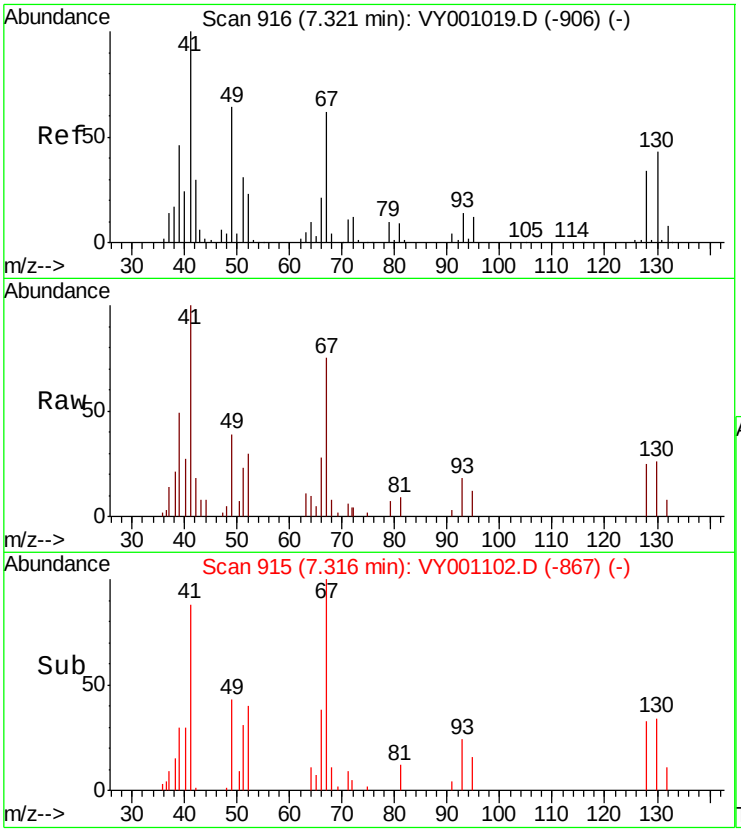



#40
Benzene
Concen: 46.919 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 78 Resp: 83390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 17.7 | 26.5 |

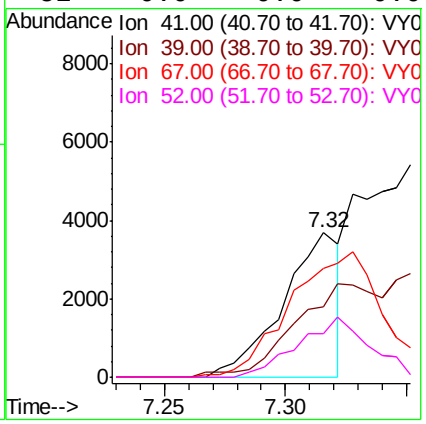





#41
Methacrylonitrile
Concen: 43.414 ug/l m
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 41 Resp: 6140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 0.0 | 0.0 |
| 67 | 0.0 | 0.0 | 0.0 |
| 52 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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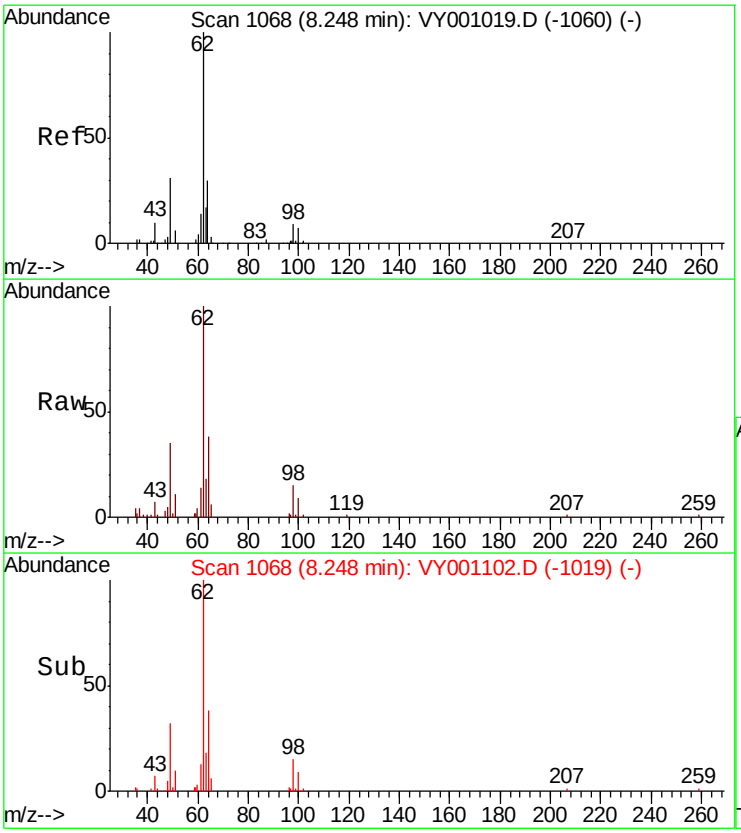
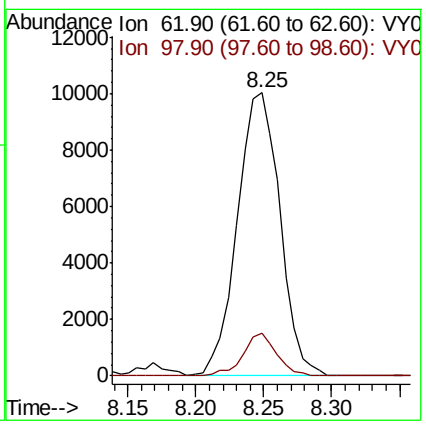
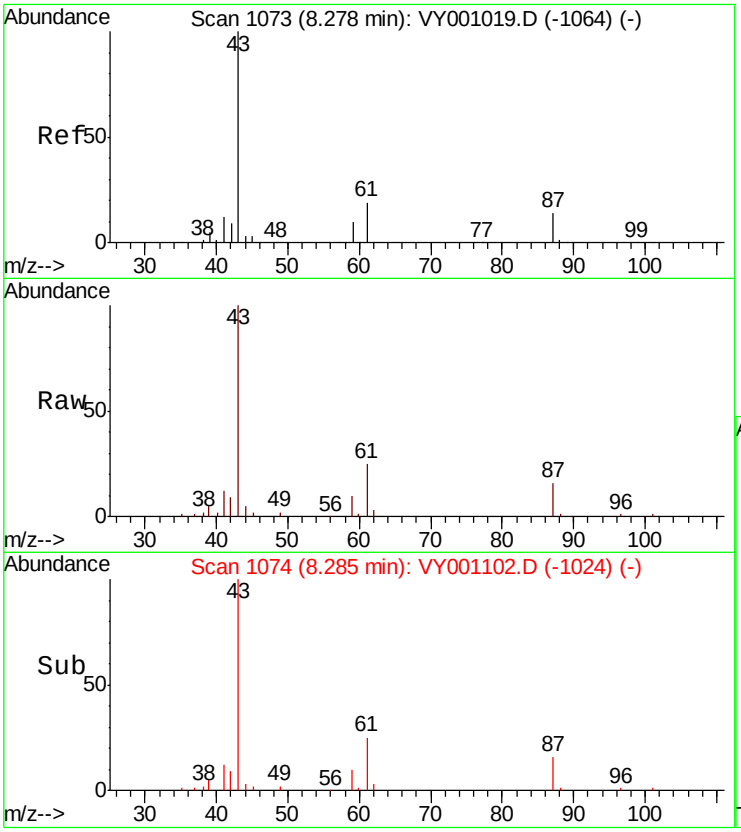



#42
1,2-Dichloroethane
Concen: 51.783 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 62 Resp: 22004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 11.9 | 0.0 | 23.4 |

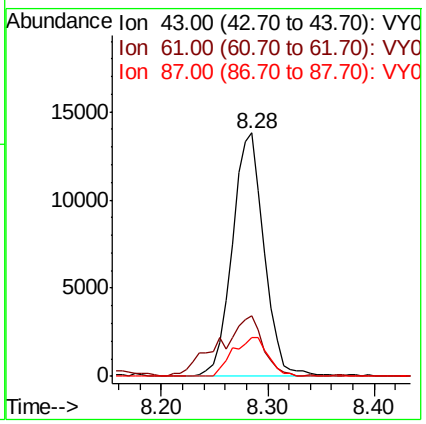





#43
Isopropyl Acetate
Concen: 47.814 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 28873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 34.0 | 25.0 | 37.6 |
| 87 | 17.7 | 12.0 | 18.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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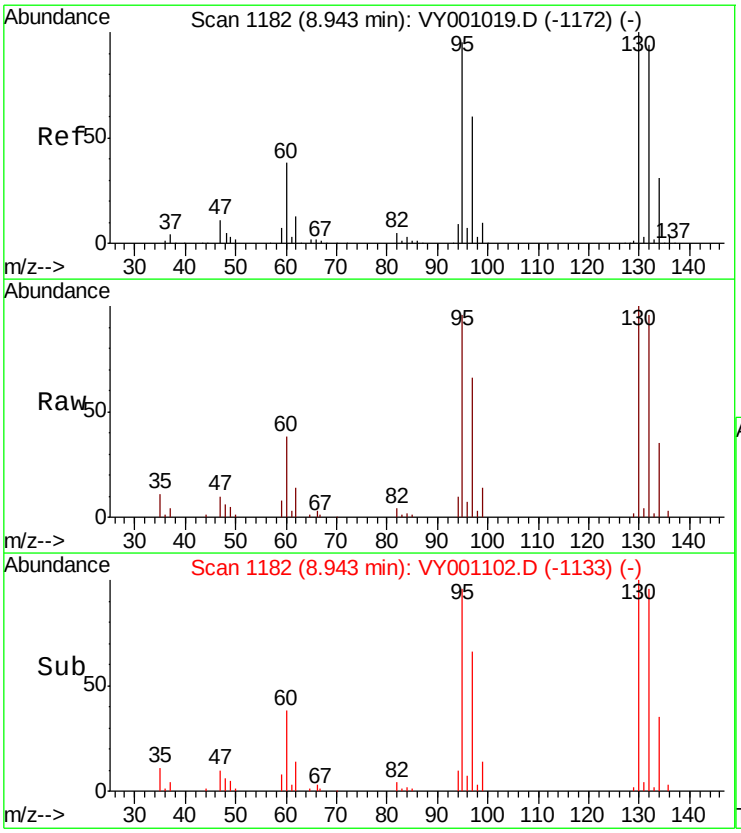
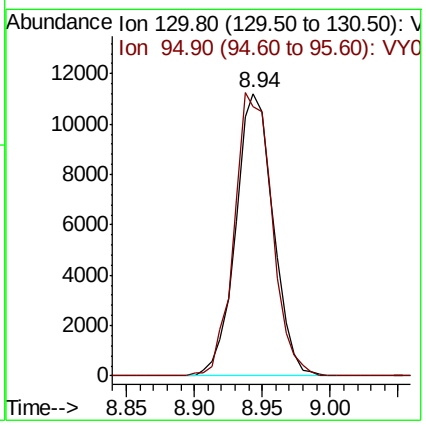
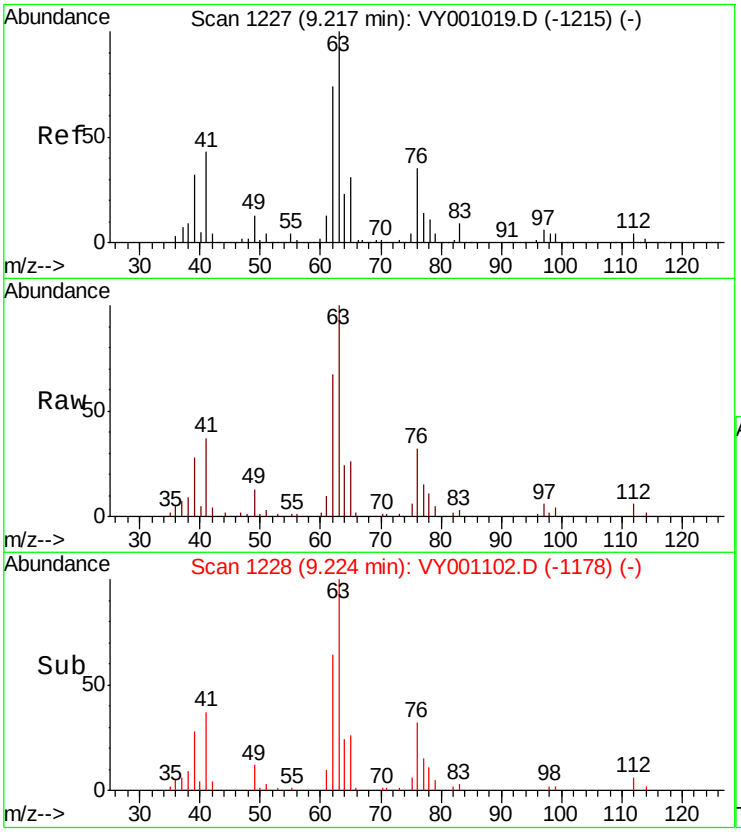



#44
Trichloroethene
Concen: 46.085 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:130 Resp: 21581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.5 | 0.0 | 190.6 |

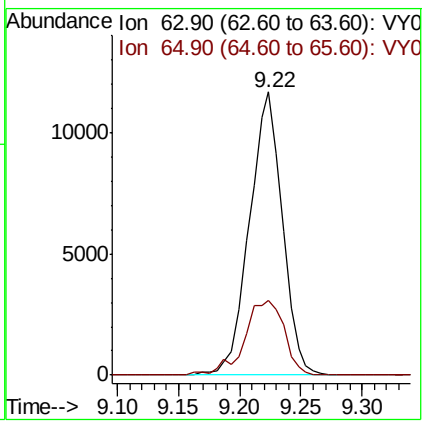





#45
1,2-Dichloropropane
Concen: 49.194 ug/l
RT: 9.22 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 63 Resp: 21934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 26.4 | 25.1 | 37.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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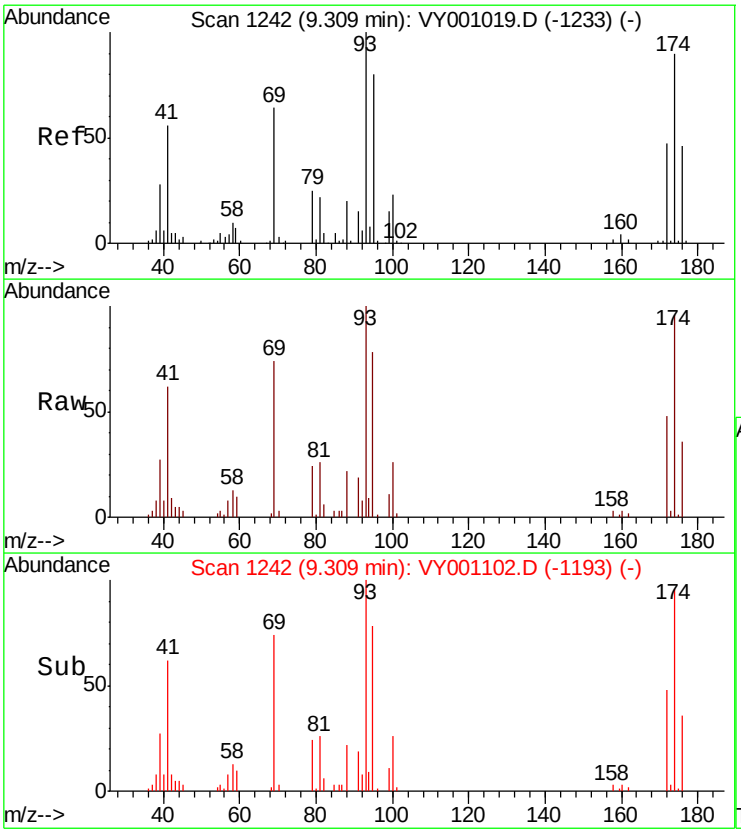
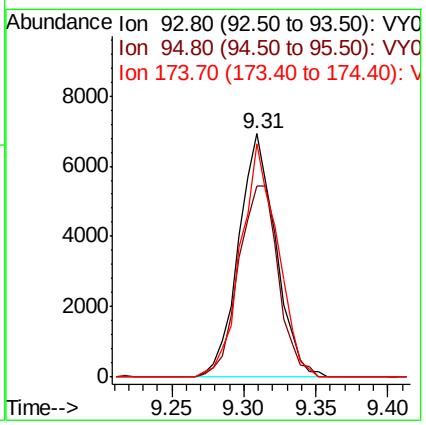
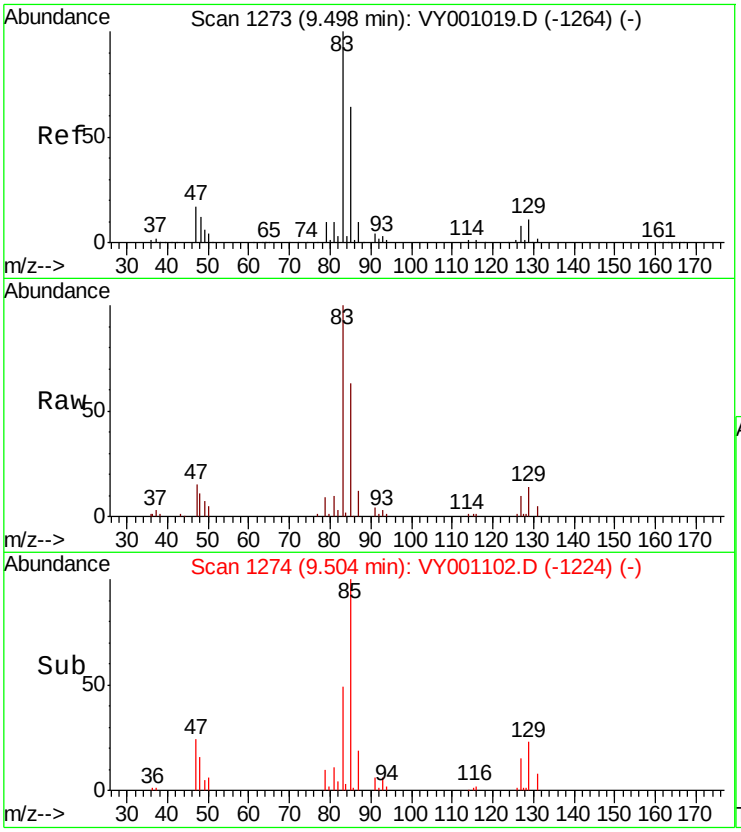



#46
Dibromomethane
Concen: 53.842 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 93 Resp: 12375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.3 | 66.7 | 100.1 |
| 174 | 94.7 | 73.6 | 110.4 |

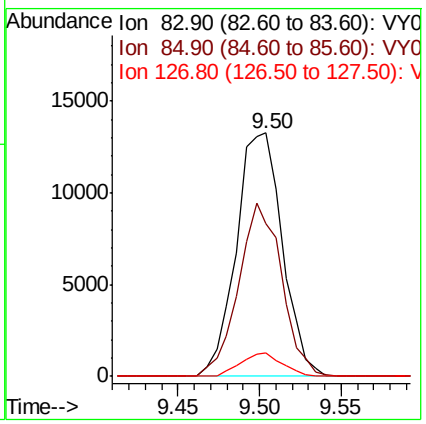





#47
Bromodichloromethane
Concen: 49.007 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 83 Resp: 26091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 50.9 | 76.3 |
| 127 | 9.7 | 6.4 | 9.6# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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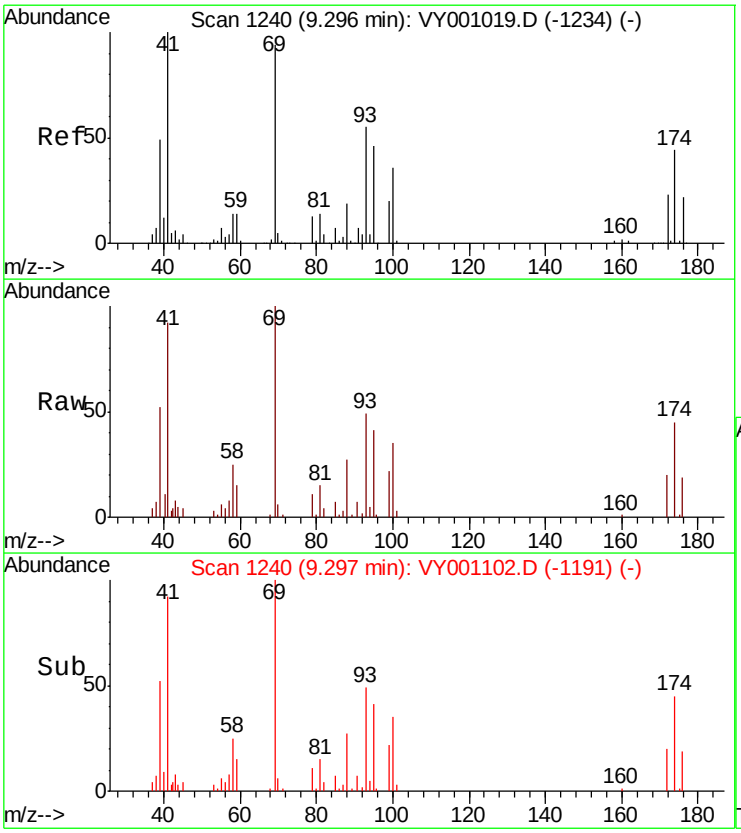
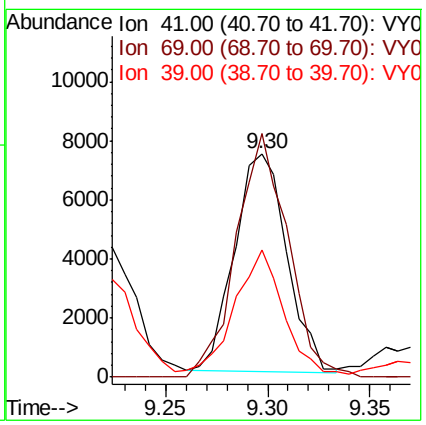
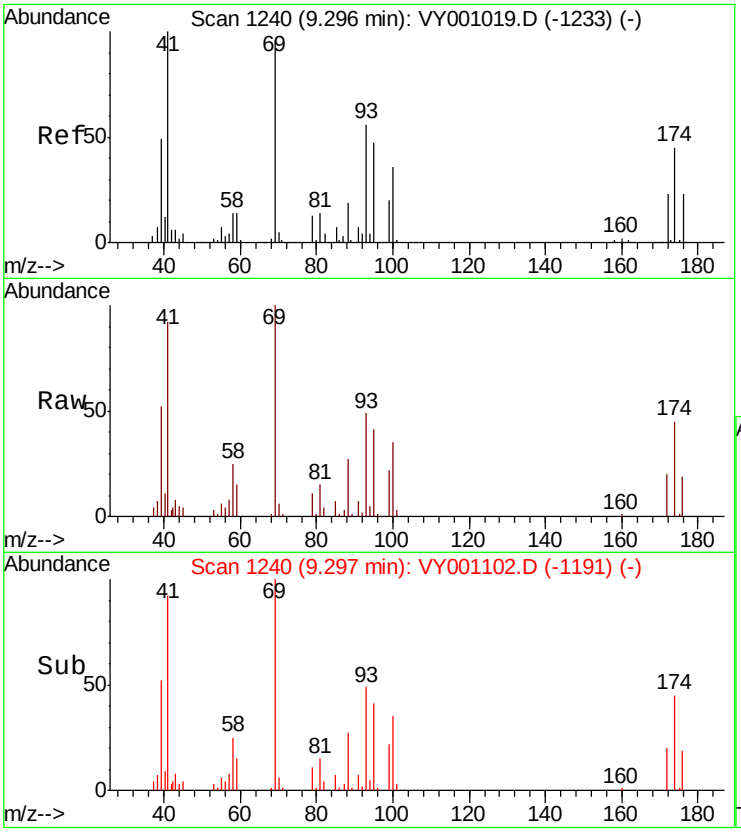



#48
Methyl methacrylate
Concen: 51.139 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 41 Resp: 13178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 110.5 | 79.8 | 119.6 |
| 39 | 56.4 | 41.7 | 62.5 |

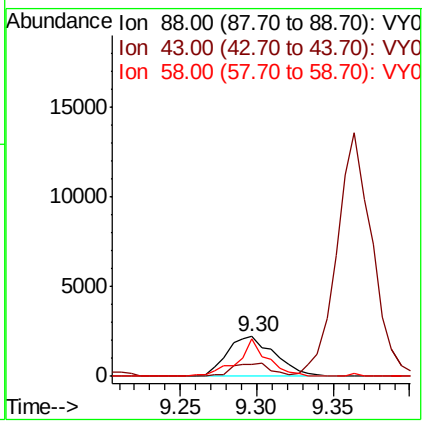





#49
1,4-Dioxane
Concen: 1437.457 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 88 Resp: 4833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 26.3 | 23.0 | 34.4 |
| 58 | 58.2 | 54.9 | 82.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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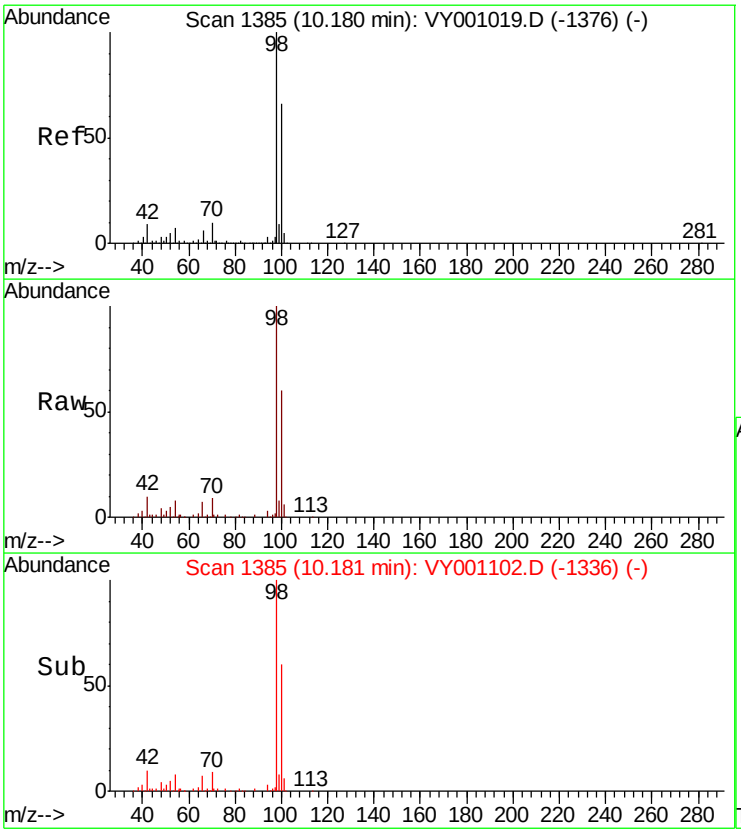
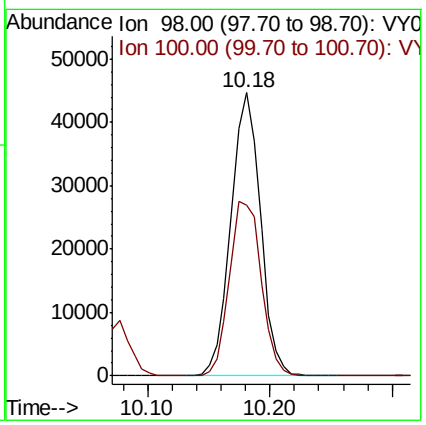
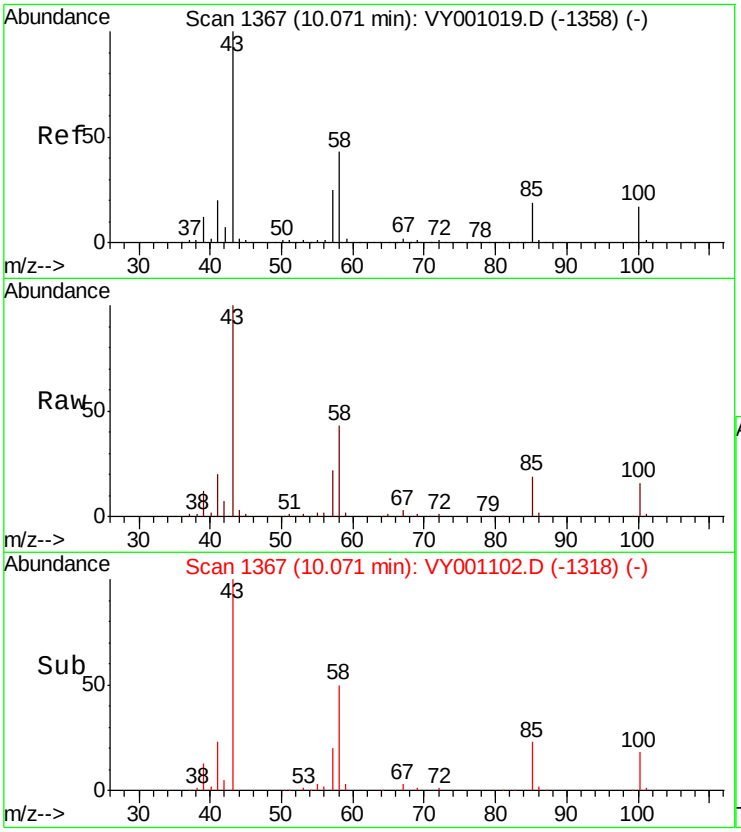



#50
Toluene-d8
Concen: 52.420 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 98 Resp: 74494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.4 | 53.0 | 79.4 |






#51
4-Methyl-2-Pentanone
Concen: 256.284 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 80663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.2 | 34.6 | 52.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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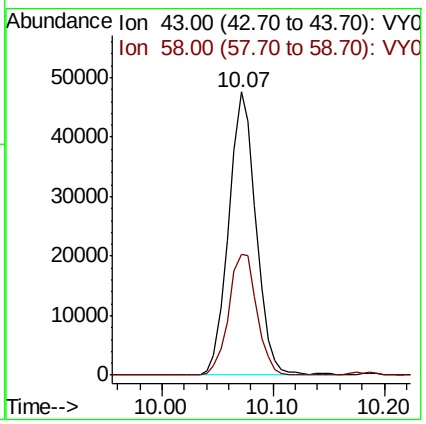
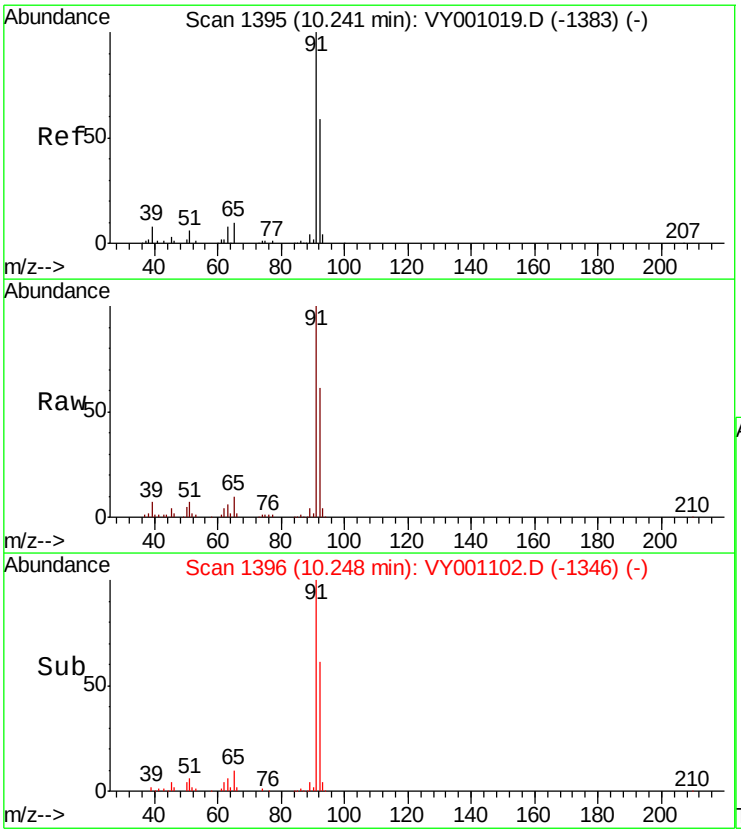
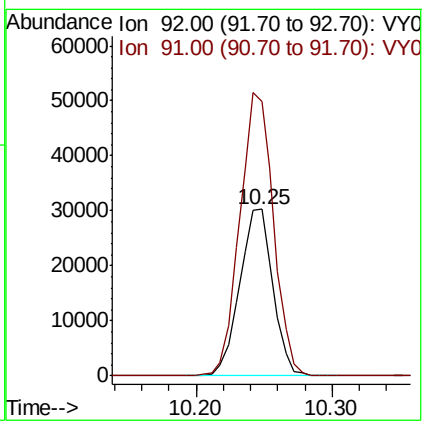


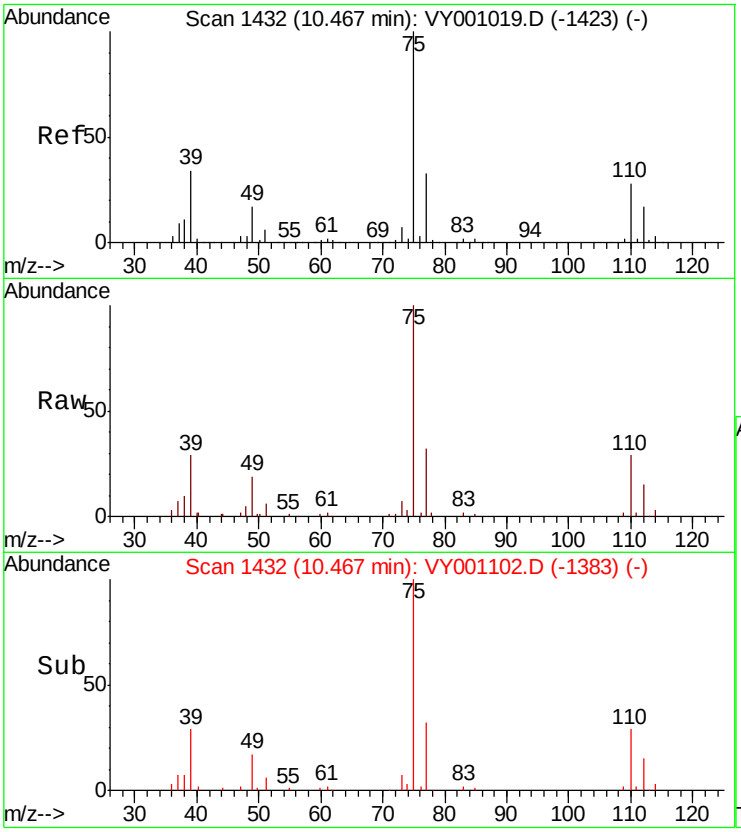




#52
Toluene
Concen: 47.340 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 92 Resp: 51786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 135.7 | 203.5 |






#53
t-1,3-Dichloropropene
Concen: 45.244 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 26142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 26.5 | 39.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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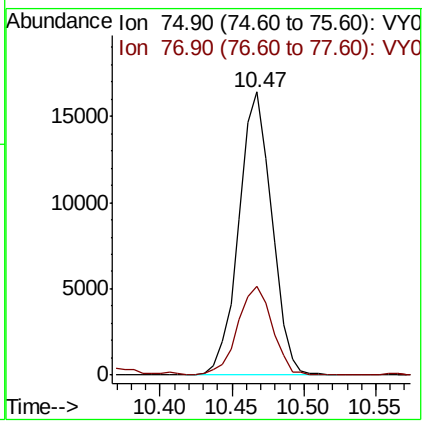
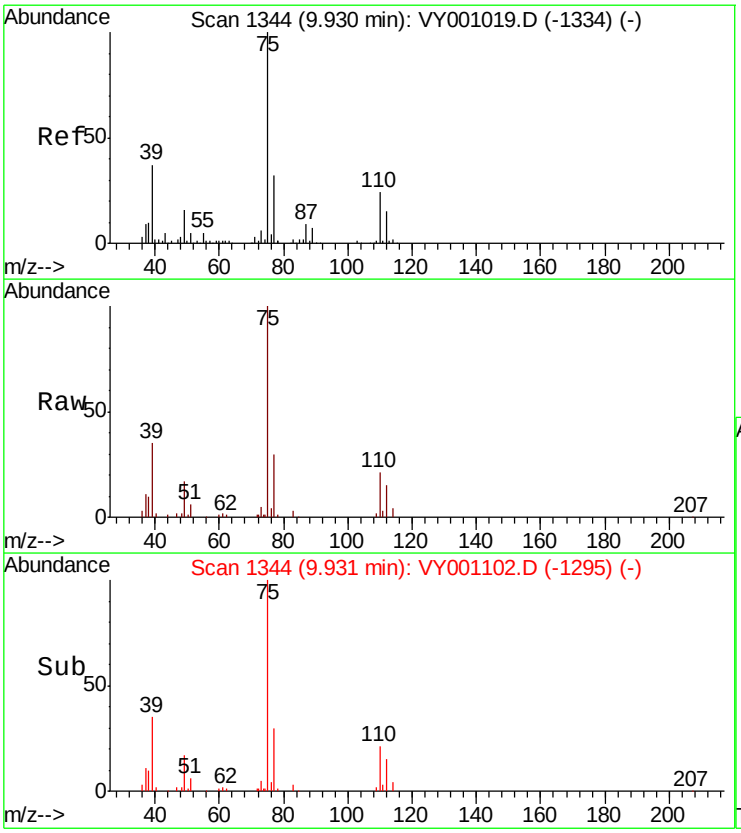
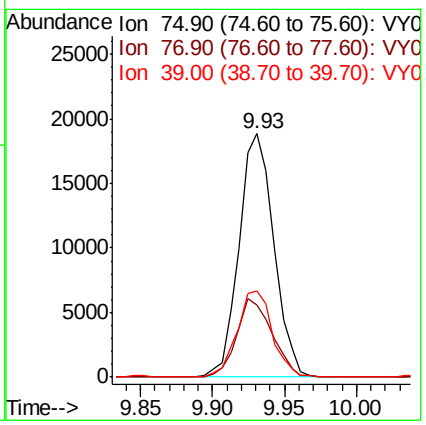


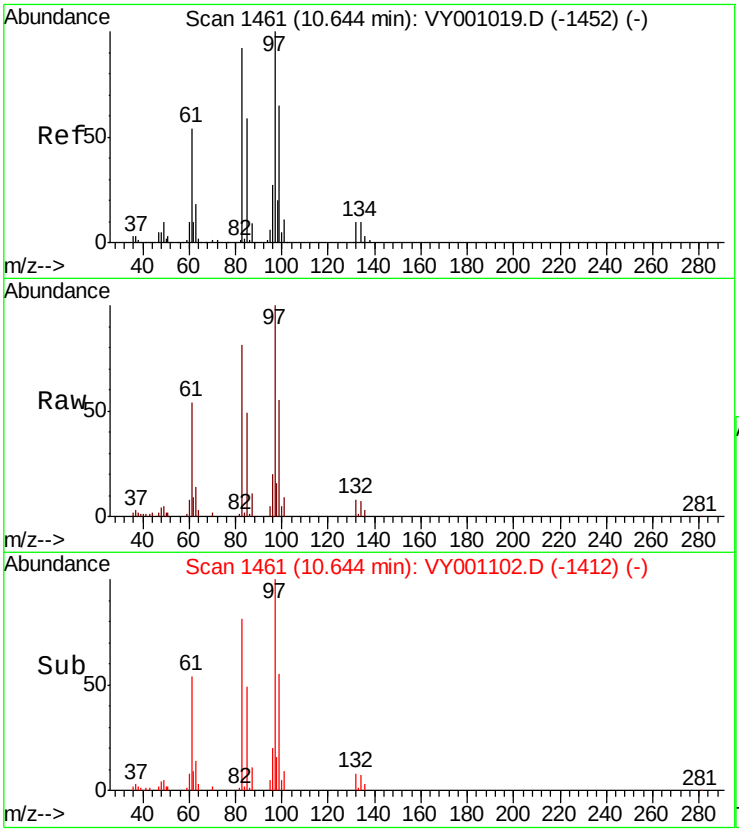




#54
cis-1,3-Dichloropropene
Concen: 45.357 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 31513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.8 | 25.2 | 37.8 |
| 39 | 35.4 | 29.5 | 44.3 |

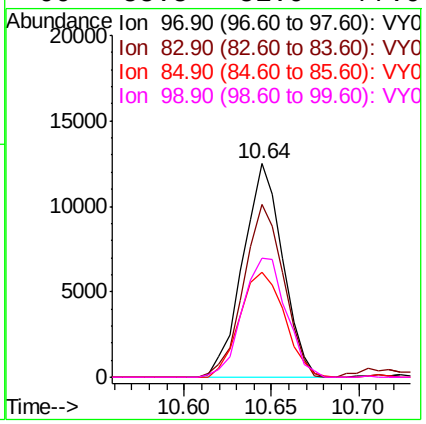





#55
1,1,2-Trichloroethane
Concen: 57.533 ug/l
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 97 Resp: 19741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.7 | 73.7 | 110.5 |
| 85 | 49.4 | 47.3 | 70.9 |
| 99 | 55.5 | 51.9 | 77.9 |




**Instrument :**
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**ClientSampleId :**
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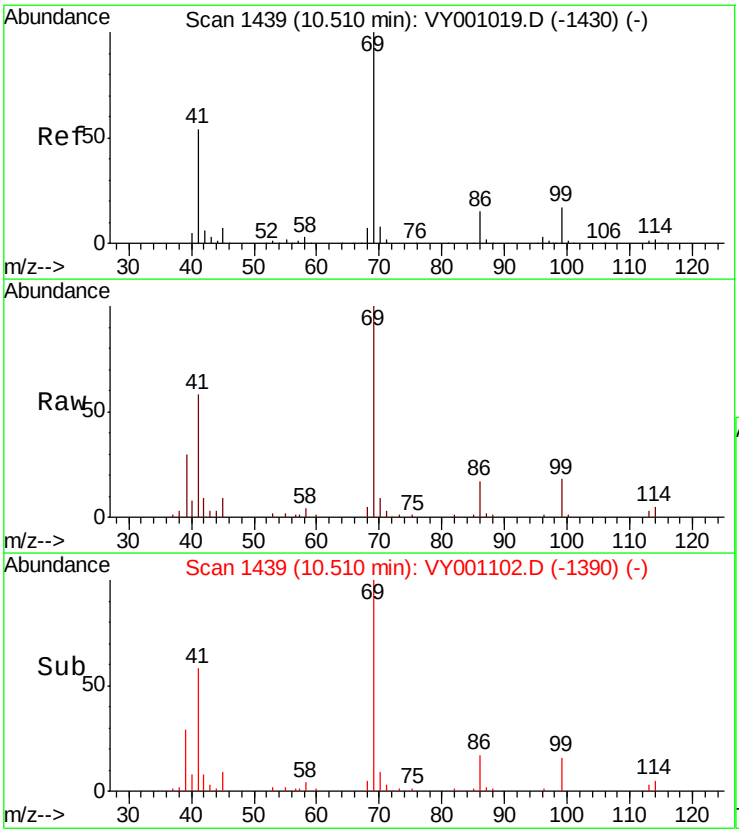
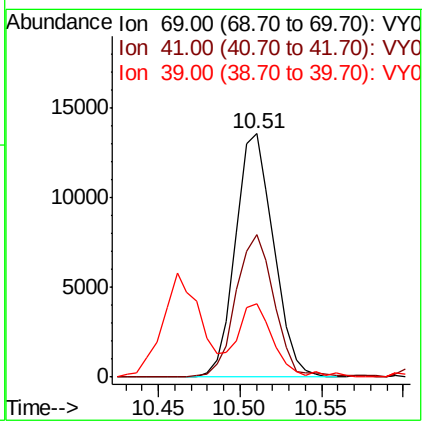
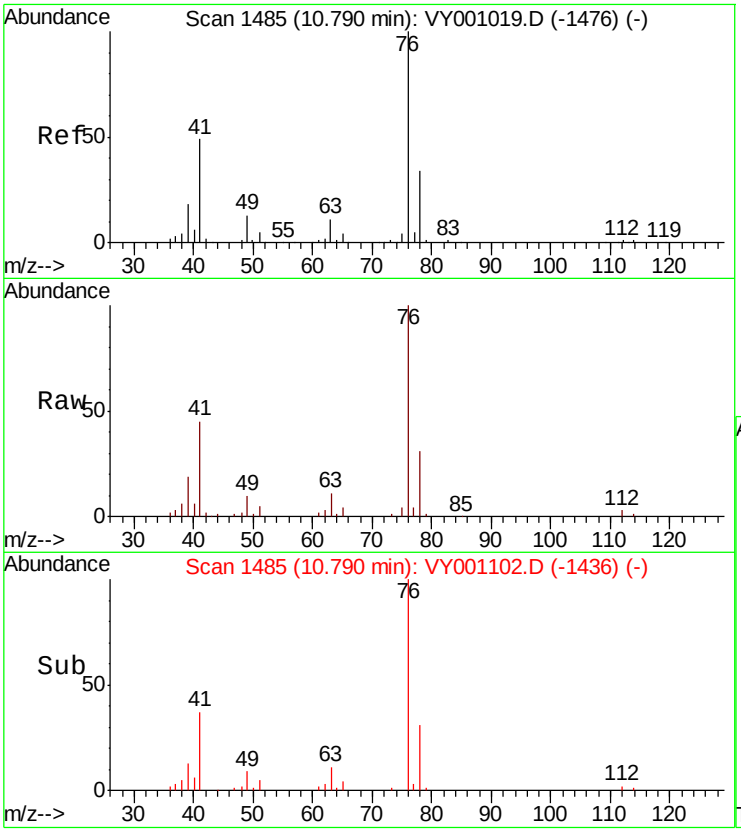



#56
Ethyl methacrylate
Concen: 45.119 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 69 Resp: 22034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 59.0 | 44.7 | 67.1 |
| 39 | 27.7 | 22.2 | 33.4 |






#57
1,3-Dichloropropane
Concen: 55.156 ug/l
RT: 10.79 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 76 Resp: 33173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 25.8 | 38.8 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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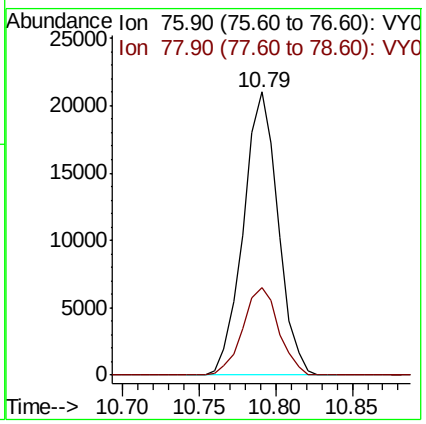
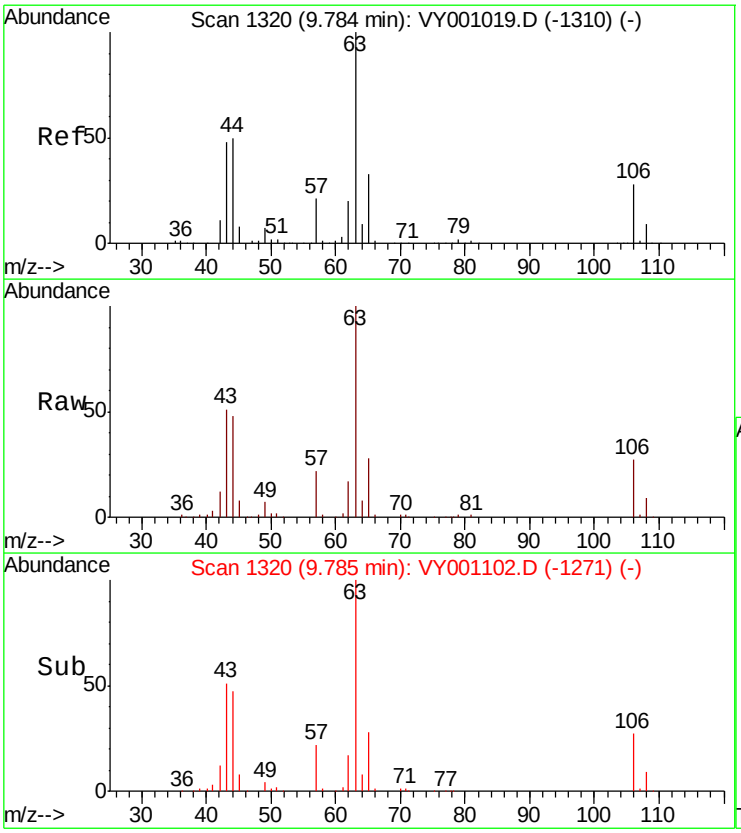
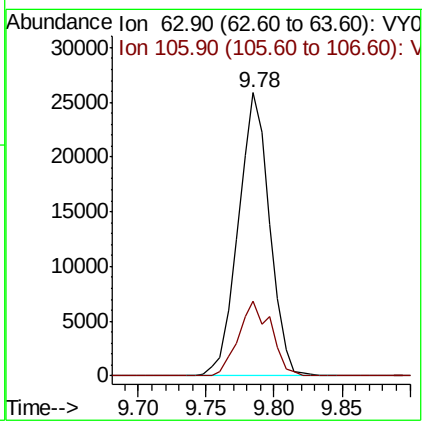


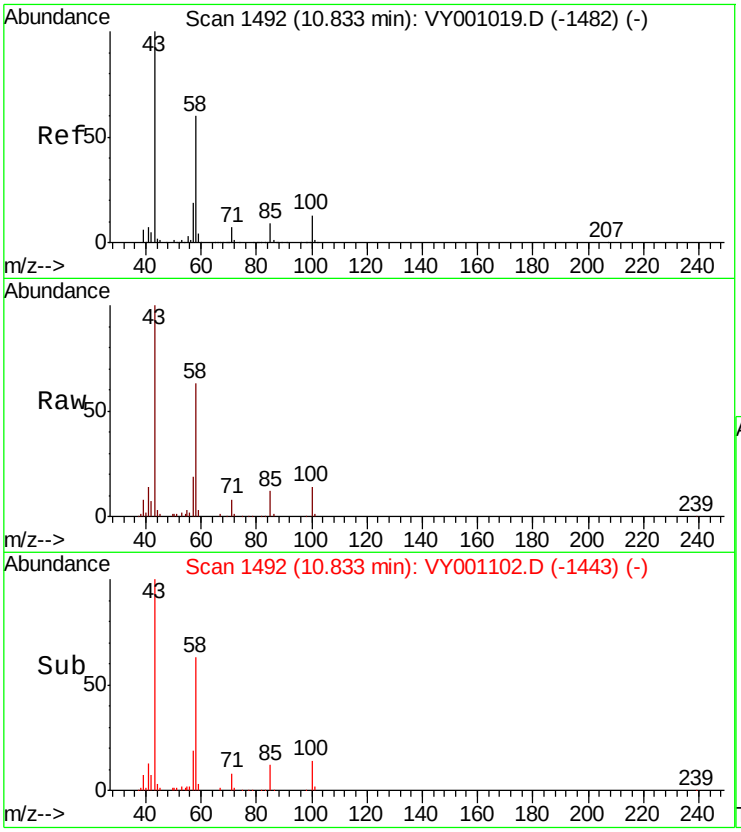




#58
2-Chloroethyl Vinyl ether
Concen: 220.275 ug/l
RT: 9.78 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 63 Resp: 41548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 22.7 | 34.1 |






#59
2-Hexanone
Concen: 231.318 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 50377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 64.5 | 30.6 | 91.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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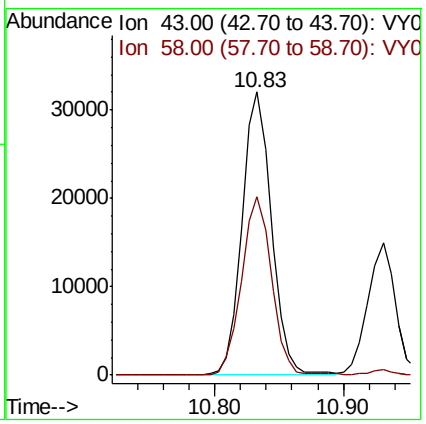
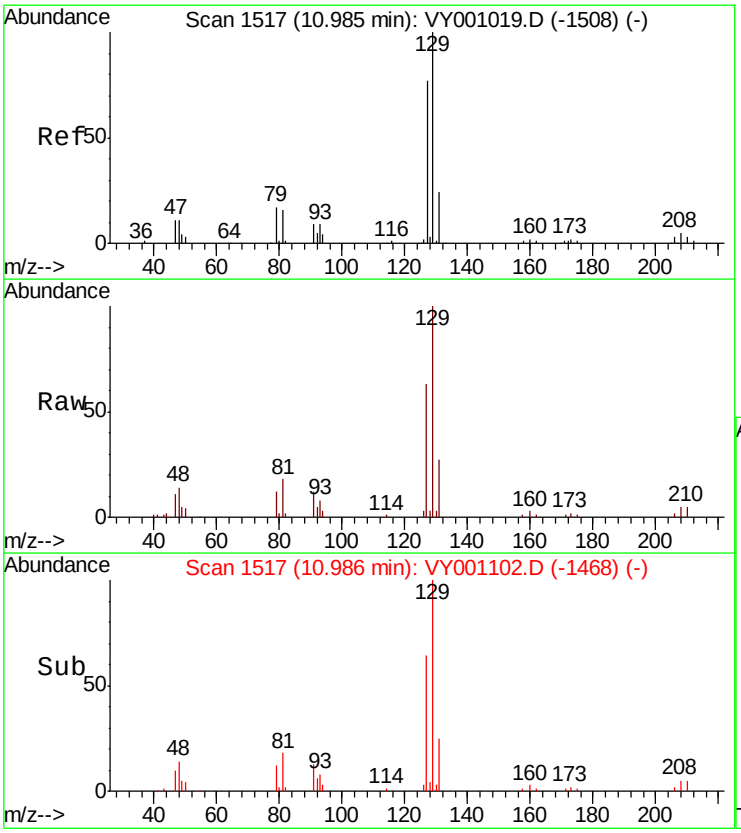
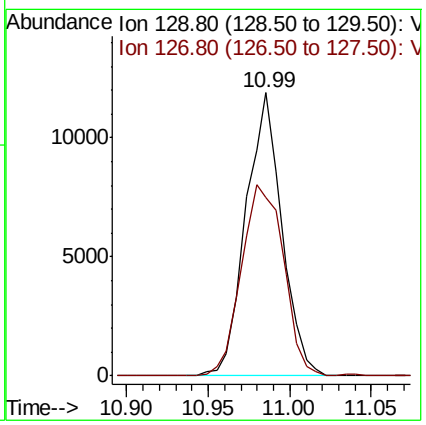


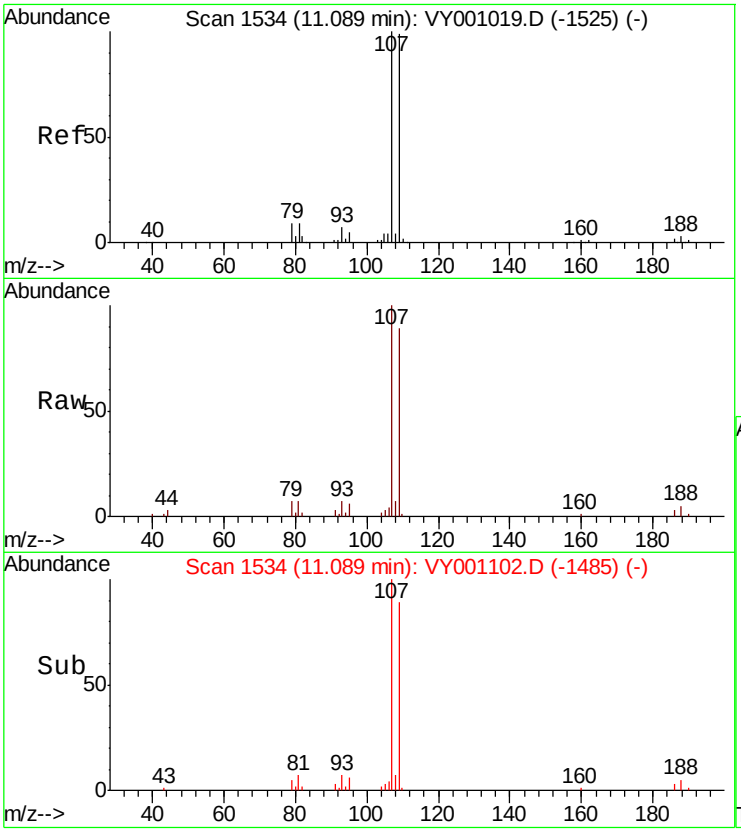




#60
Dibromochloromethane
Concen: 49.774 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:129 Resp: 18243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.1 | 39.1 | 117.3 |






#61
1,2-Dibromoethane
Concen: 54.145 ug/l
RT: 11.09 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:107 Resp: 17766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.2 | 74.8 | 112.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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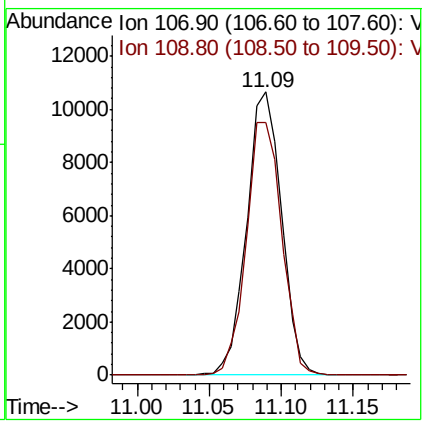
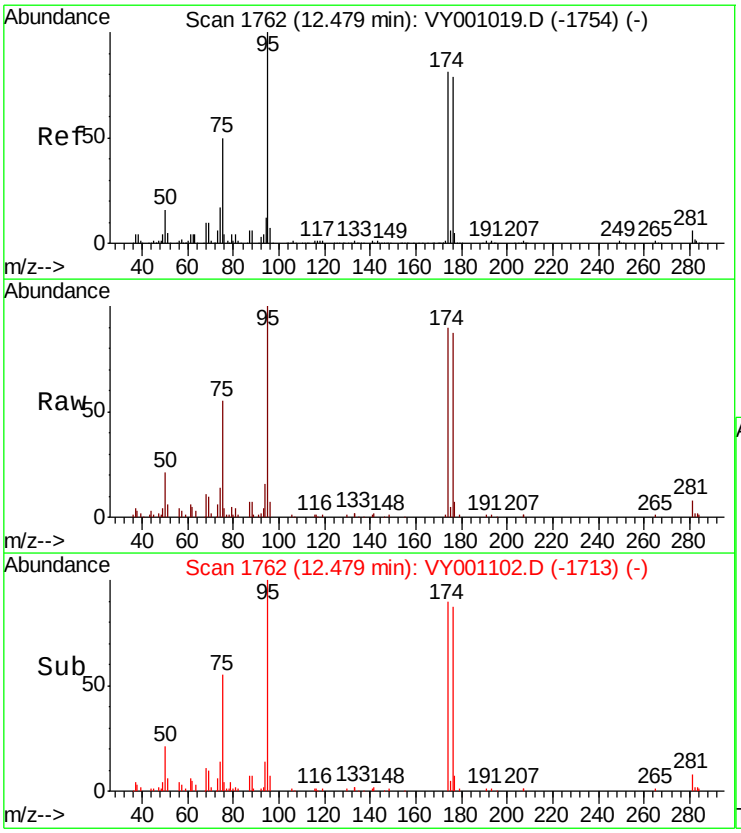
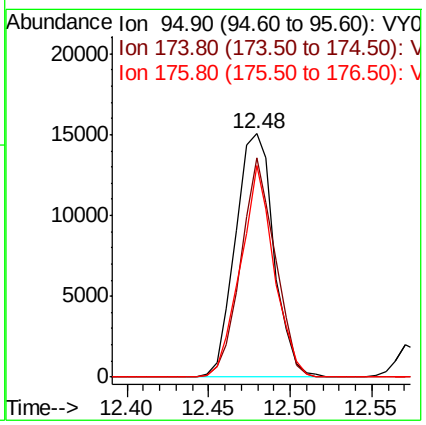


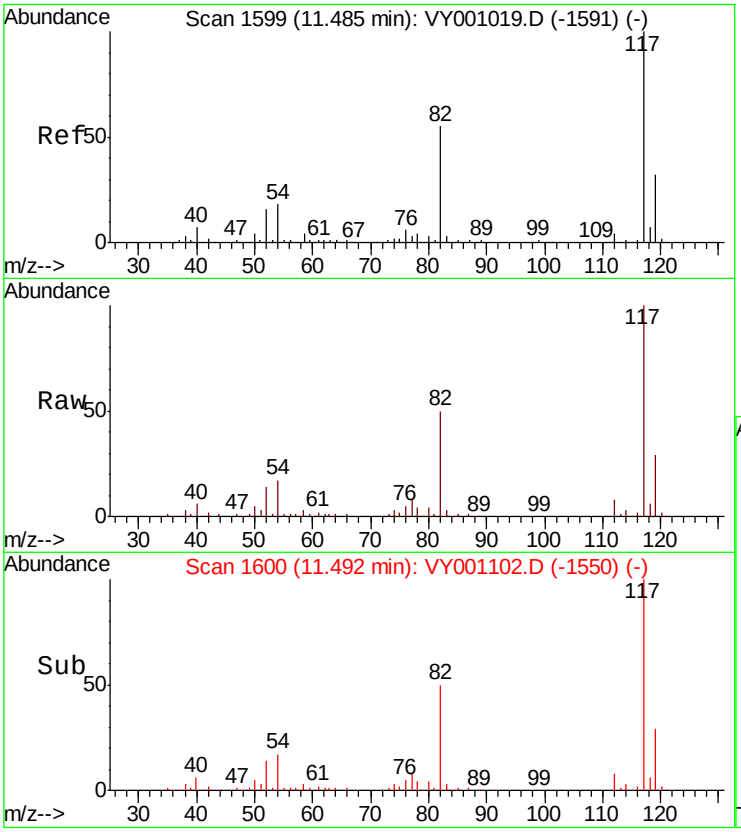




#62
4-Bromofluorobenzene
Concen: 47.542 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 95 Resp: 24702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.2 | 0.0 | 156.4 |
| 176 | 75.9 | 0.0 | 155.0 |

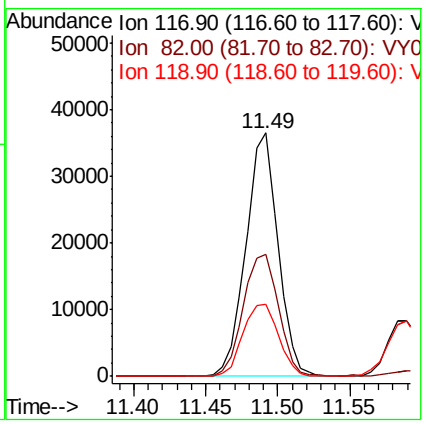





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:117 Resp: 56157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.0 | 43.8 | 65.8 |
| 119 | 29.4 | 25.8 | 38.6 |




**Instrument :**
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**ClientSampleId :**
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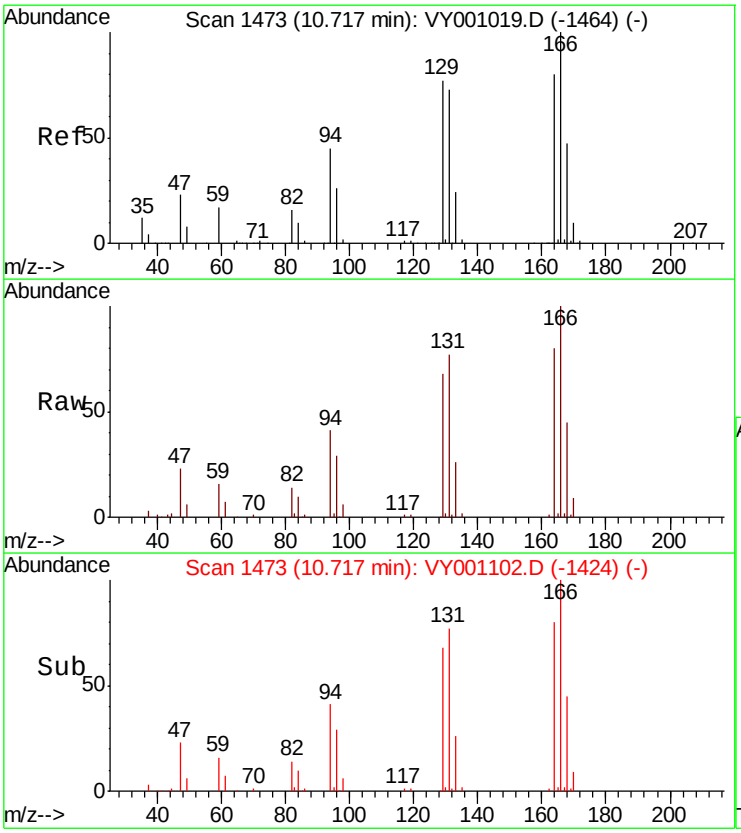
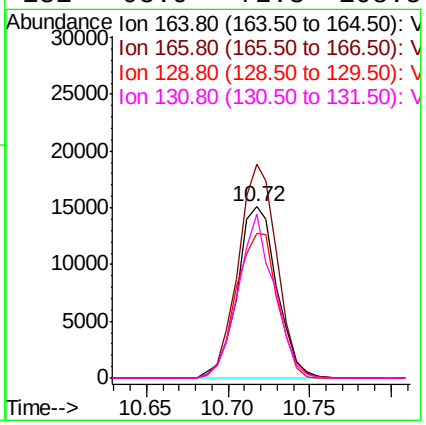
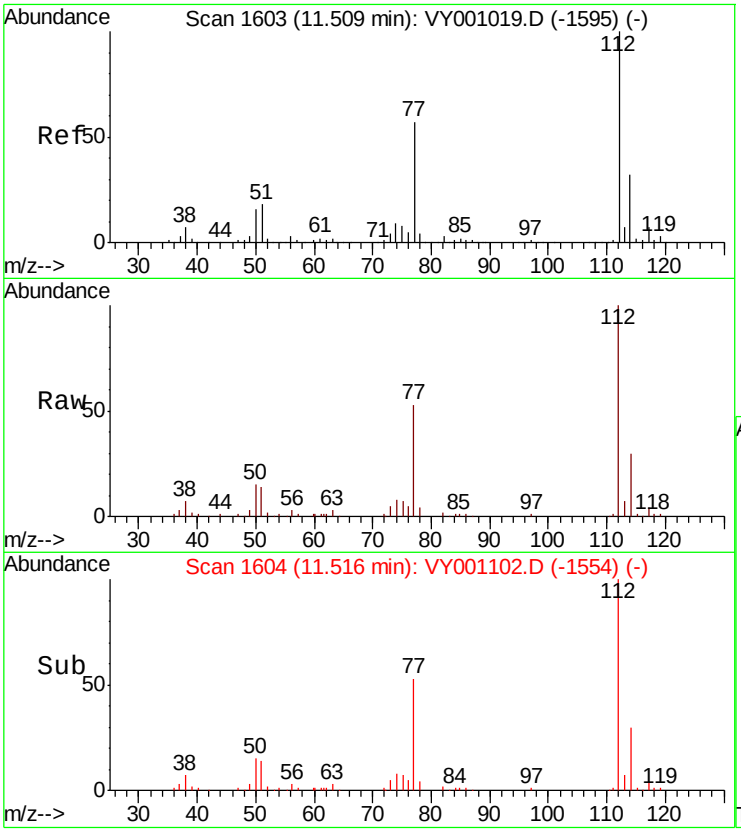



#64
Tetrachloroethene
Concen: 52.250 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:164 Resp: 25388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.0 | 99.7 | 149.5 |
| 129 | 84.5 | 76.9 | 115.3 |
| 131 | 95.9 | 72.3 | 108.5 |

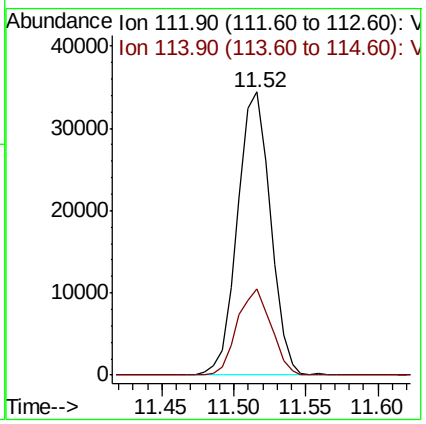





#65
Chlorobenzene
Concen: 46.921 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:112 Resp: 54657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.3 | 25.4 | 38.2 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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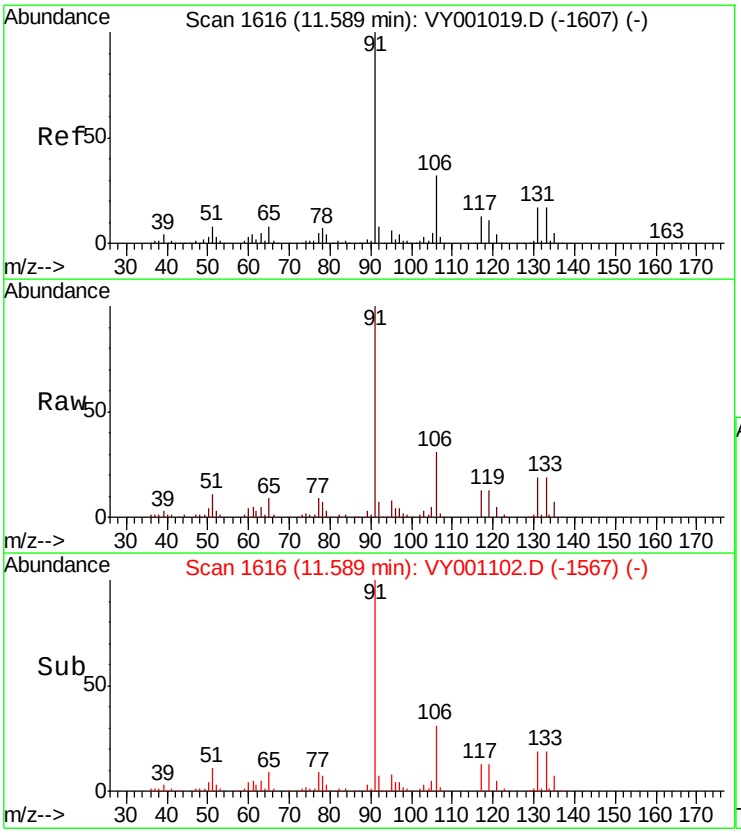
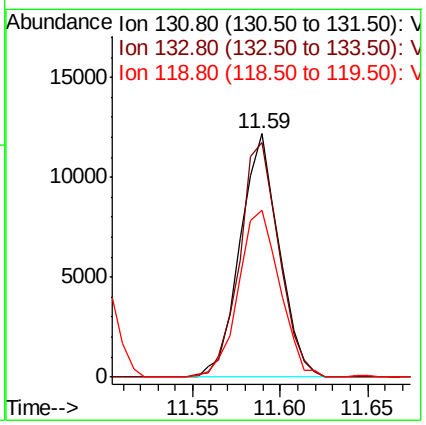
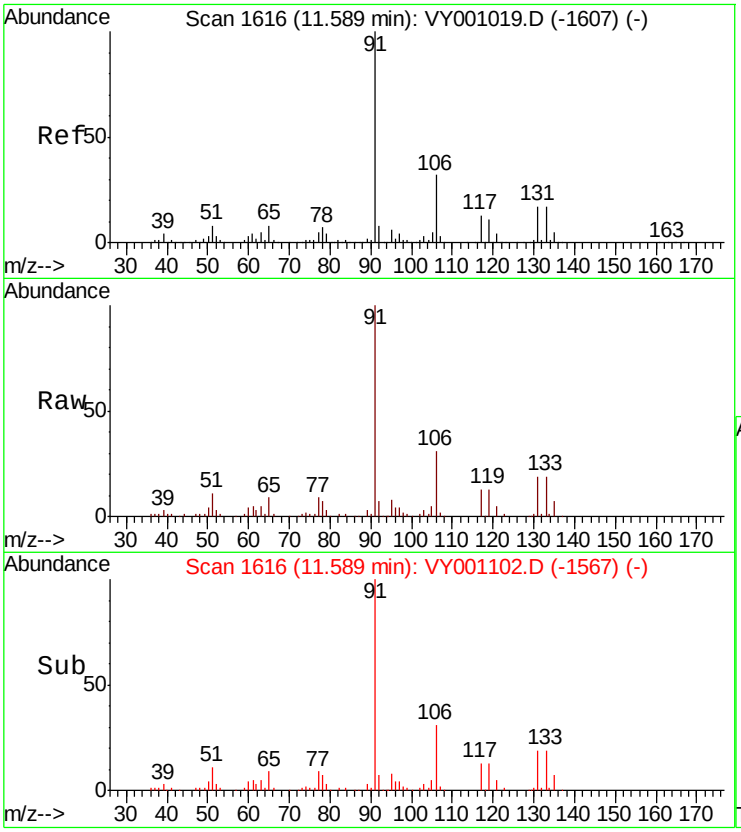



#66
1,1,1,2-Tetrachloroethane
Concen: 48.851 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:131 Resp: 18779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 98.0 | 48.1 | 144.4 |
| 119 | 72.9 | 34.0 | 101.8 |






#67
Ethyl Benzene
Concen: 45.580 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 95500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 25.3 | 37.9 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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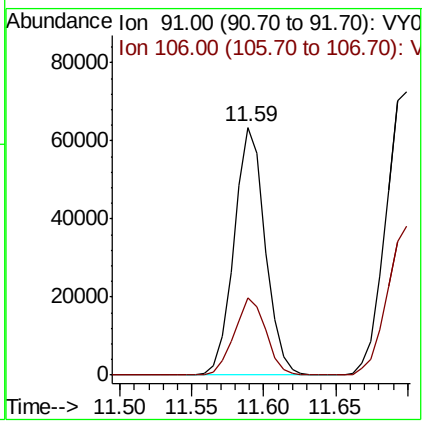
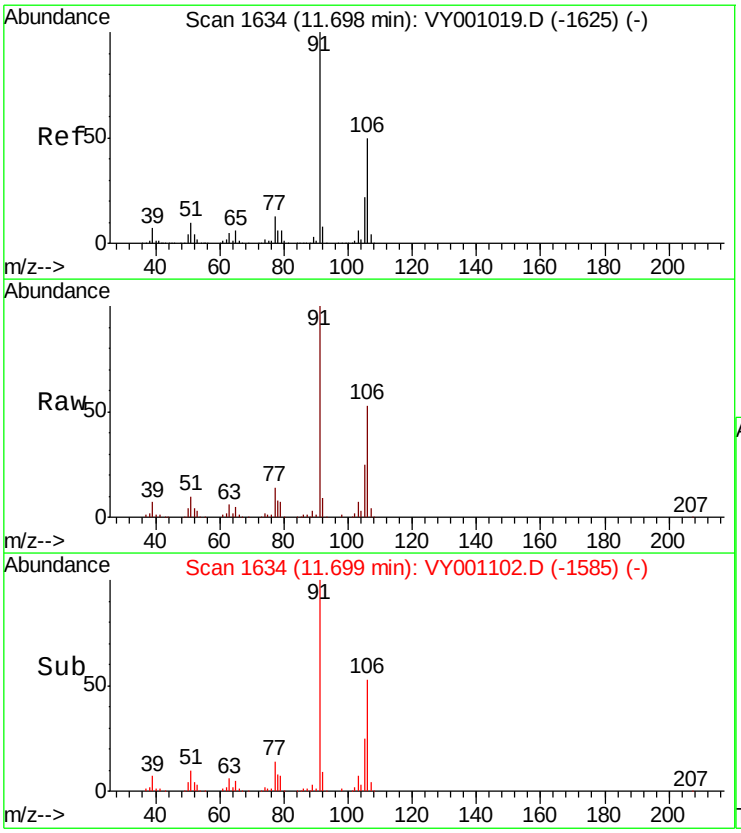
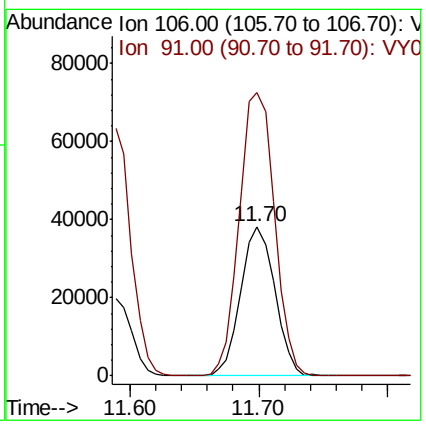


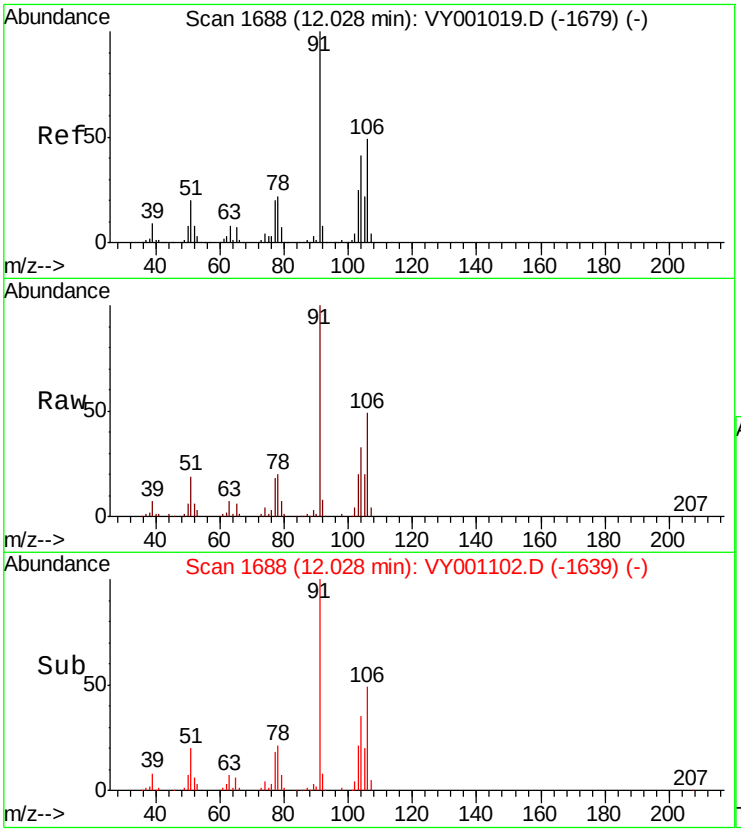




#68
m/p-Xylenes
Concen: 88.256 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:106 Resp: 70212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 195.7 | 156.4 | 234.6 |

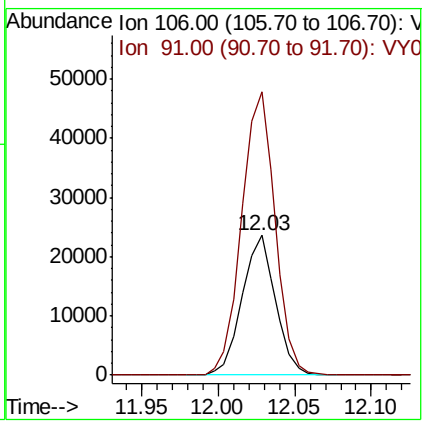





#69
o-Xylene
Concen: 47.681 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:106 Resp: 35686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.9 | 103.0 | 309.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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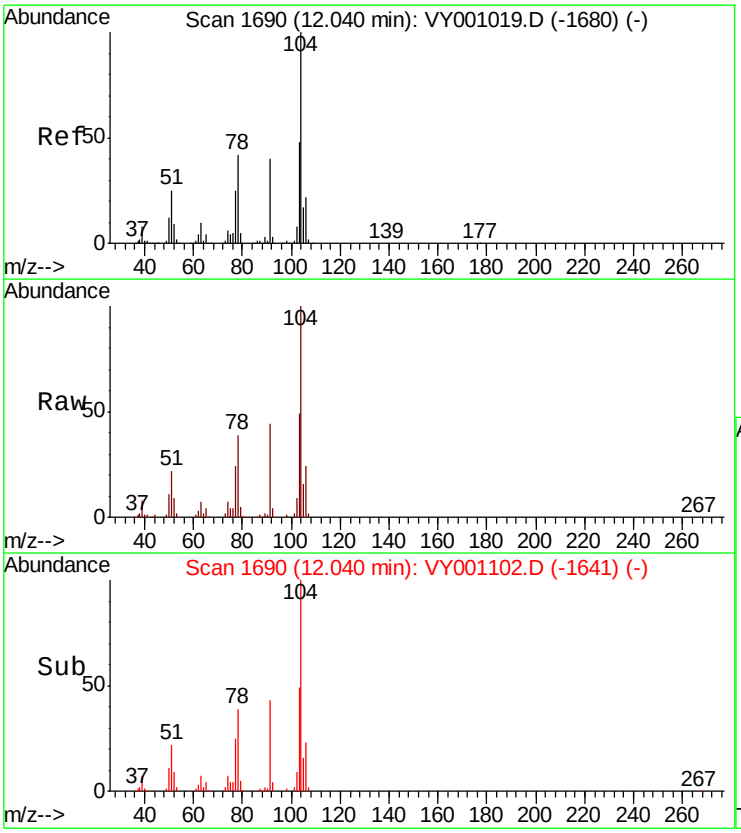
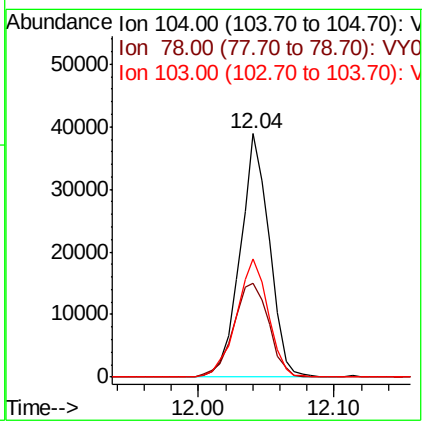
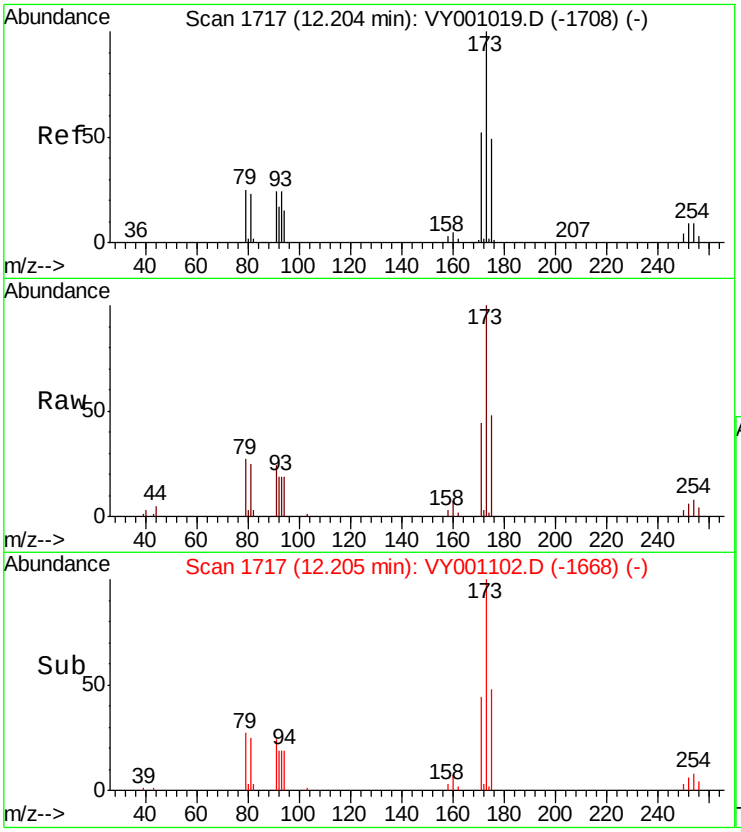



#70
Styrene
Concen: 45.597 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:104 Resp: 58026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 46.8 | 36.6 | 54.8 |
| 103 | 52.9 | 42.6 | 64.0 |






#71
Bromoform
Concen: 50.410 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:173 Resp: 10790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 45.0 | 24.5 | 73.5 |
| 254 | 0.0 | 0.0 | 0.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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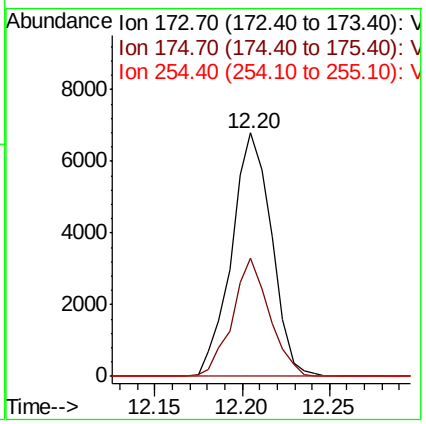
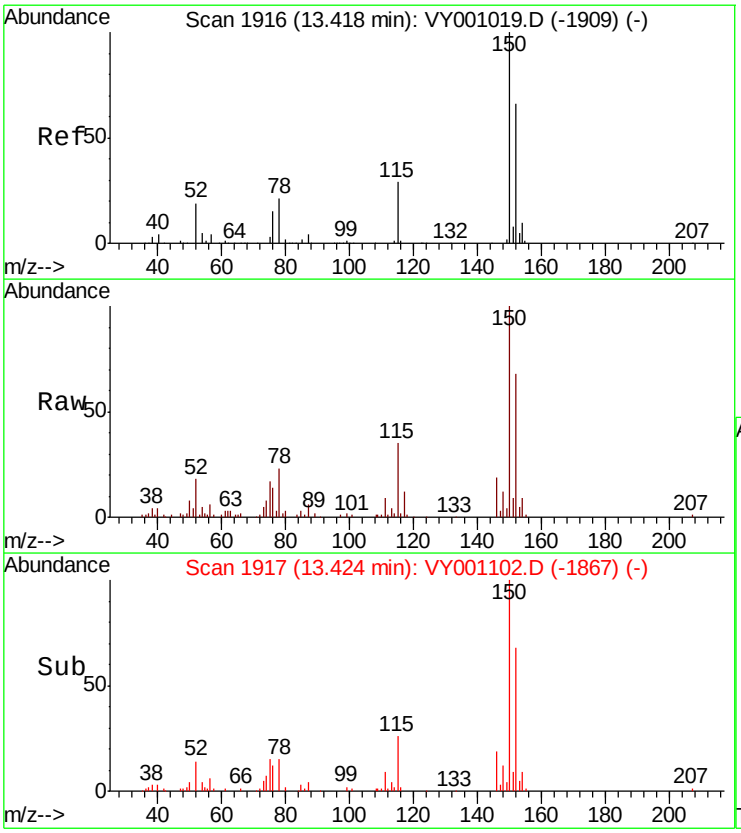
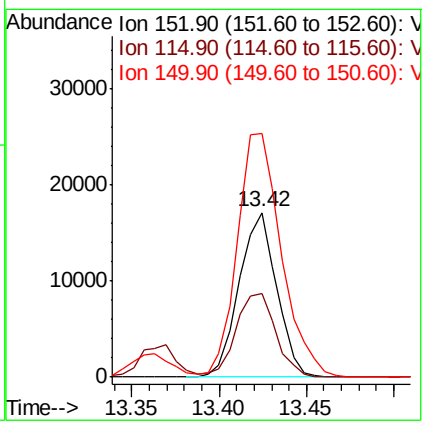


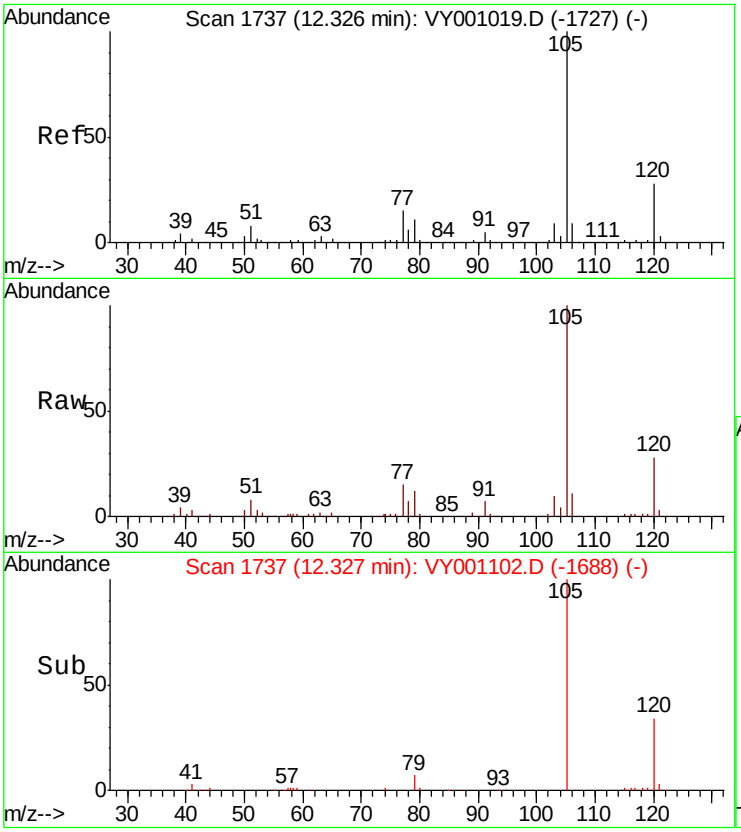




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:152 Resp: 25468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.5 | 29.8 | 89.3 |
| 150 | 174.8 | 0.0 | 352.6 |






#73
Isopropylbenzene
Concen: 43.874 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:105 Resp: 86468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.2 | 13.4 | 40.2 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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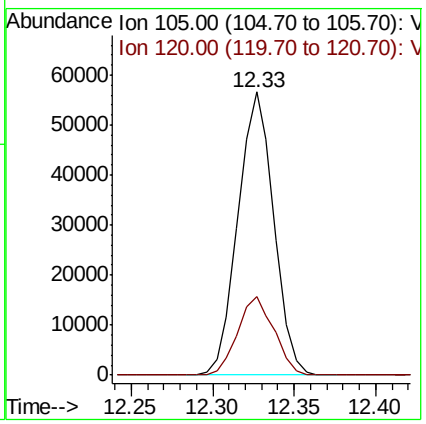
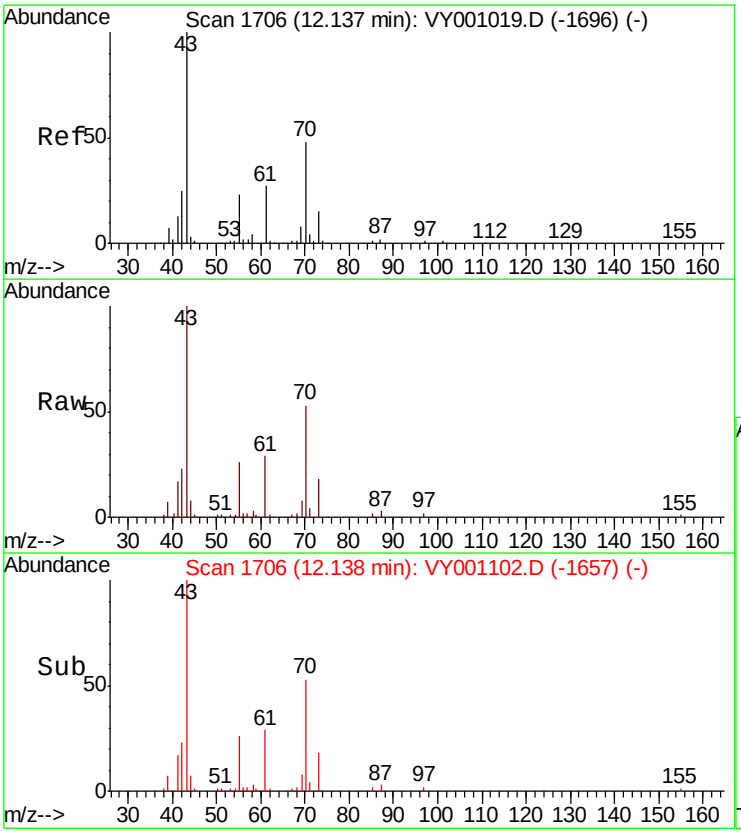
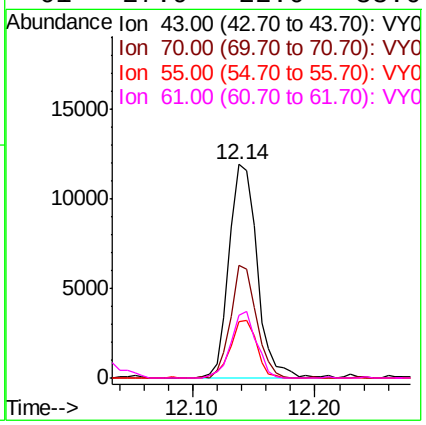


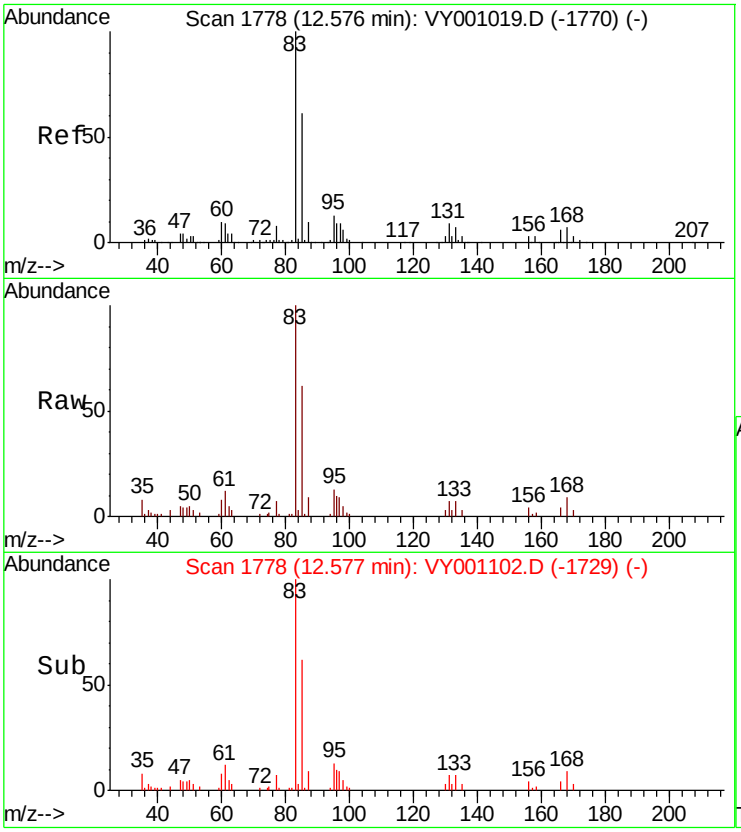




#74
N-amyl acetate
Concen: 36.450 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 43 Resp: 18872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 48.1 | 39.0 | 58.6 |
| 55 | 25.1 | 19.5 | 29.3 |
| 61 | 27.9 | 22.0 | 33.0 |






#75
1,1,2,2-Tetrachloroethane
Concen: 53.063 ug/l
RT: 12.58 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 83 Resp: 20602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.3 |
| 85 | 63.2 | 32.1 | 96.5 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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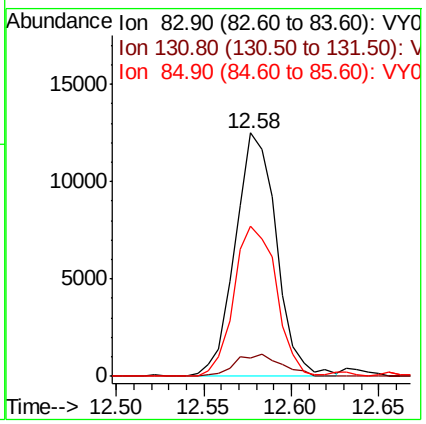
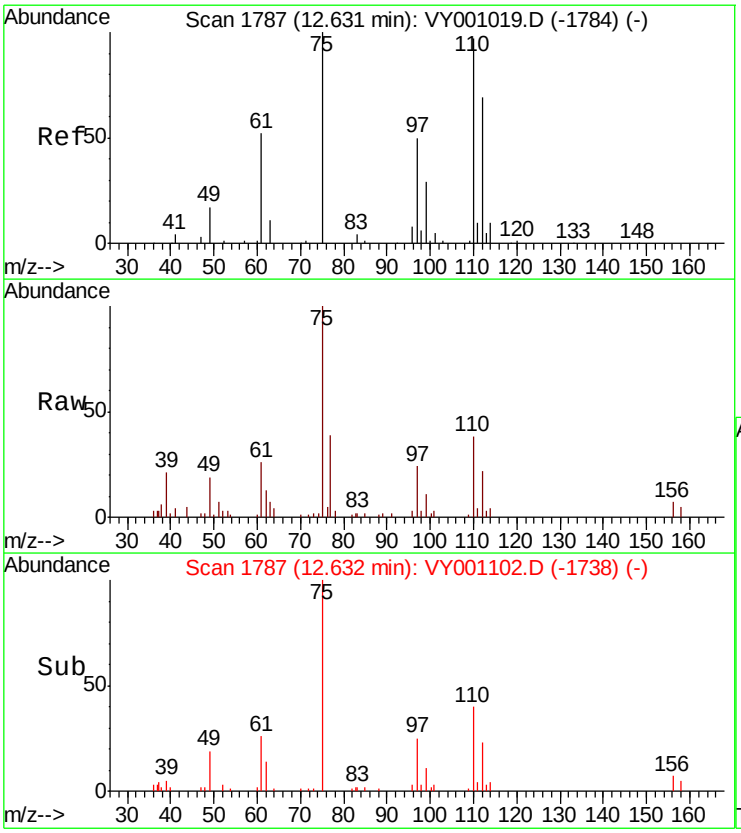
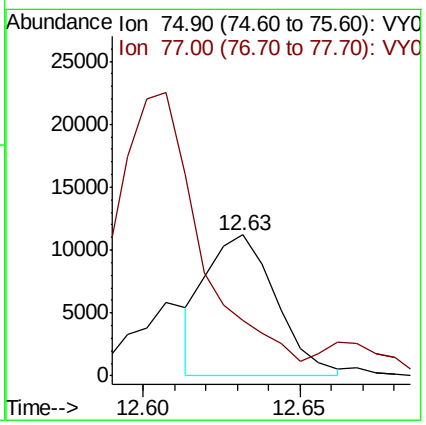


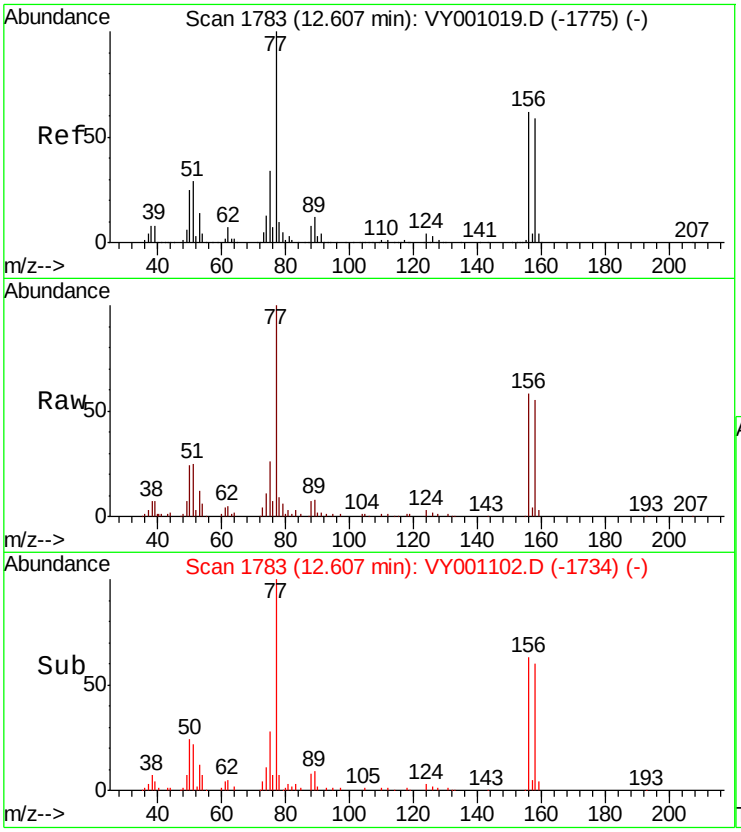




#76
1,2,3-Trichloropropane
Concen: 55.187 ug/l m
RT: 12.63 min Scan# 1787
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 17327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |

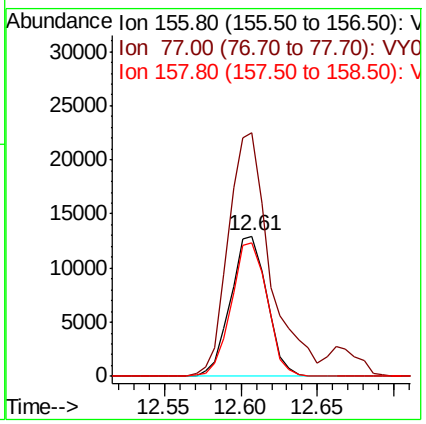





#77
Bromobenzene
Concen: 48.221 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:156 Resp: 21374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 199.6 | 98.0 | 294.1 |
| 158 | 93.8 | 48.5 | 145.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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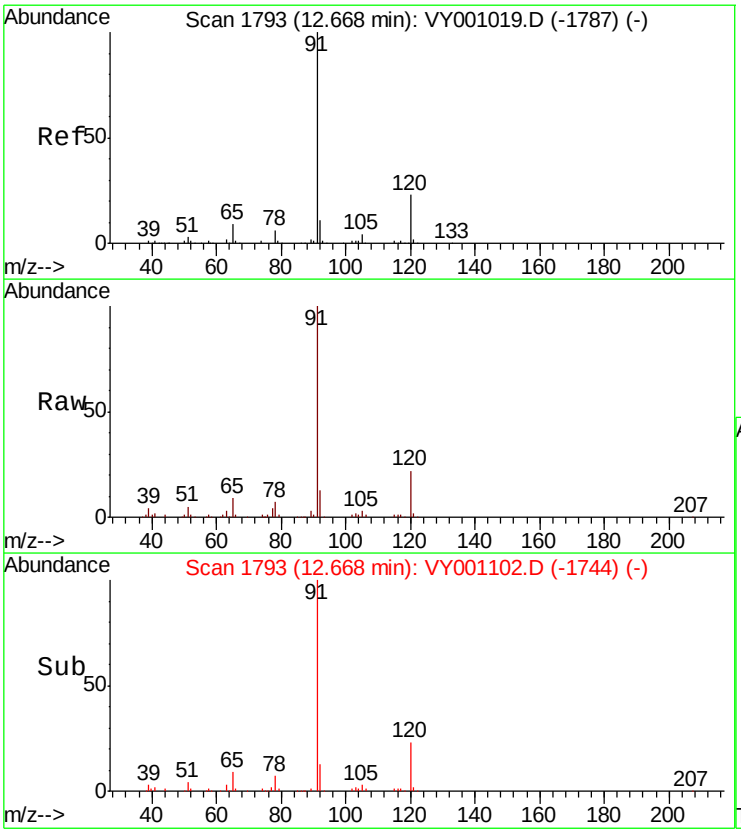
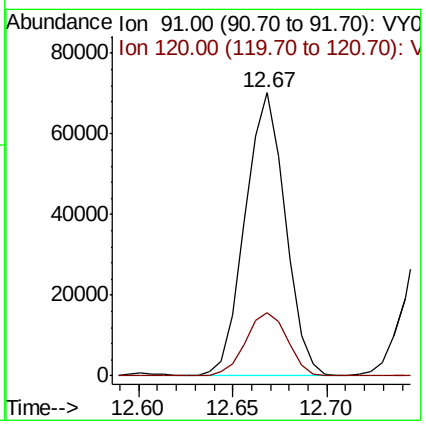
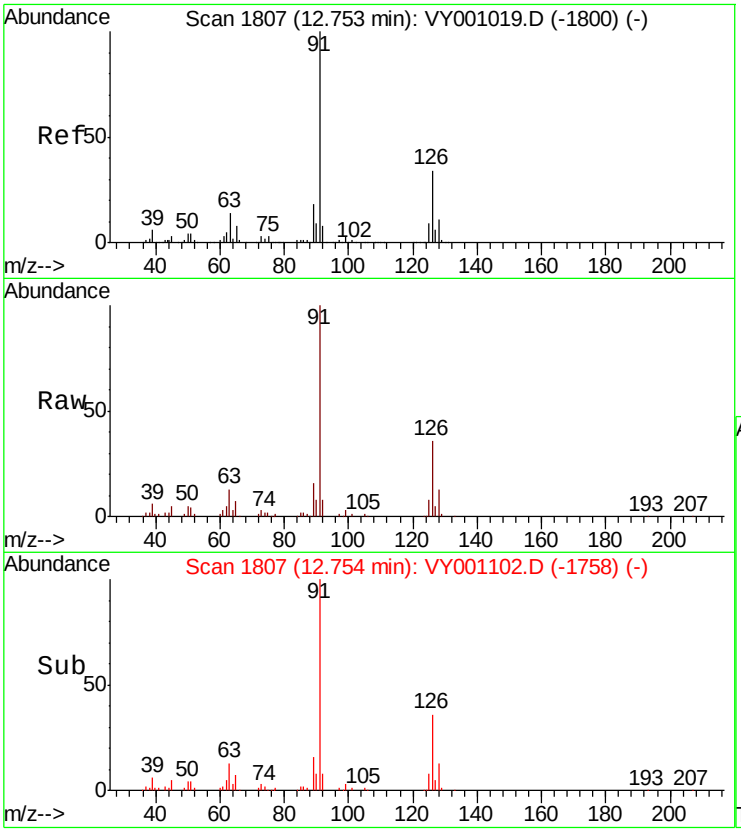



#78
n-propylbenzene
Concen: 43.320 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 104031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 11.4 | 34.2 |






#79
2-Chlorotoluene
Concen: 44.536 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 59064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 36.1 | 17.3 | 51.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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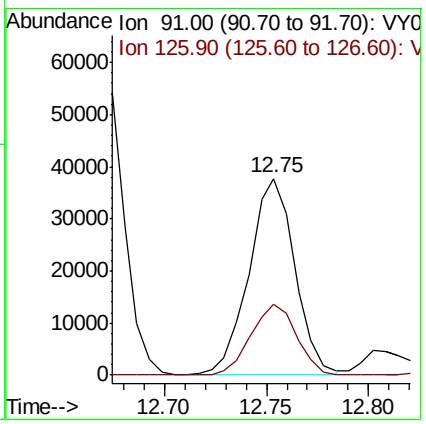
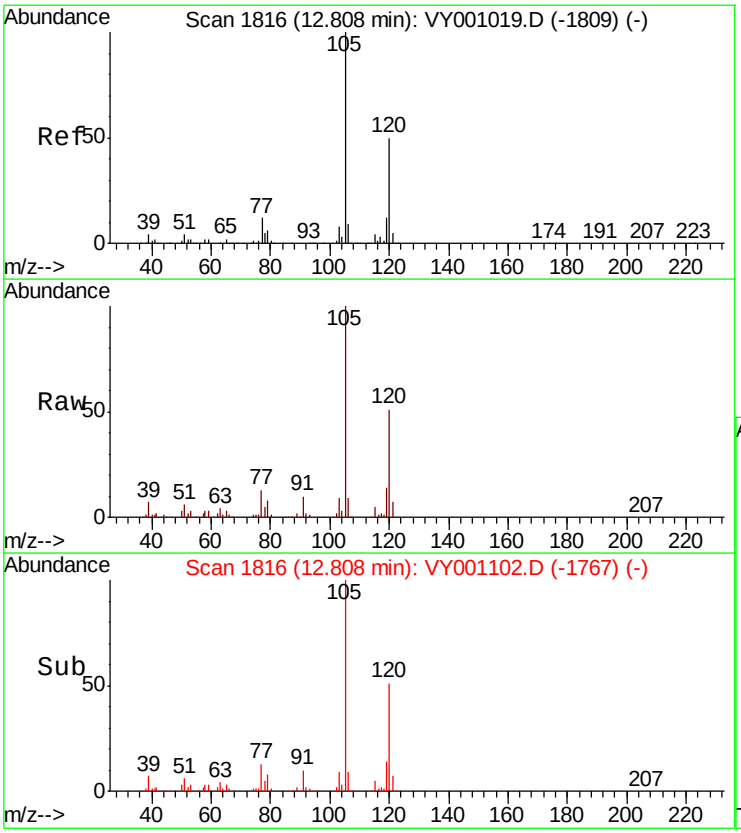
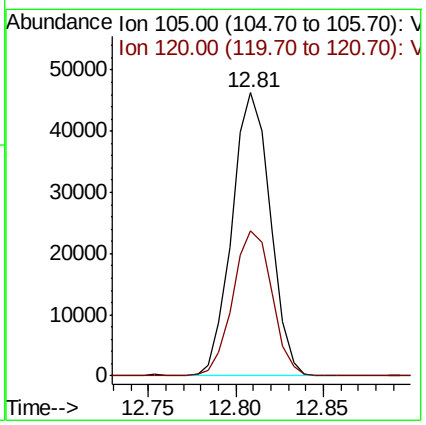


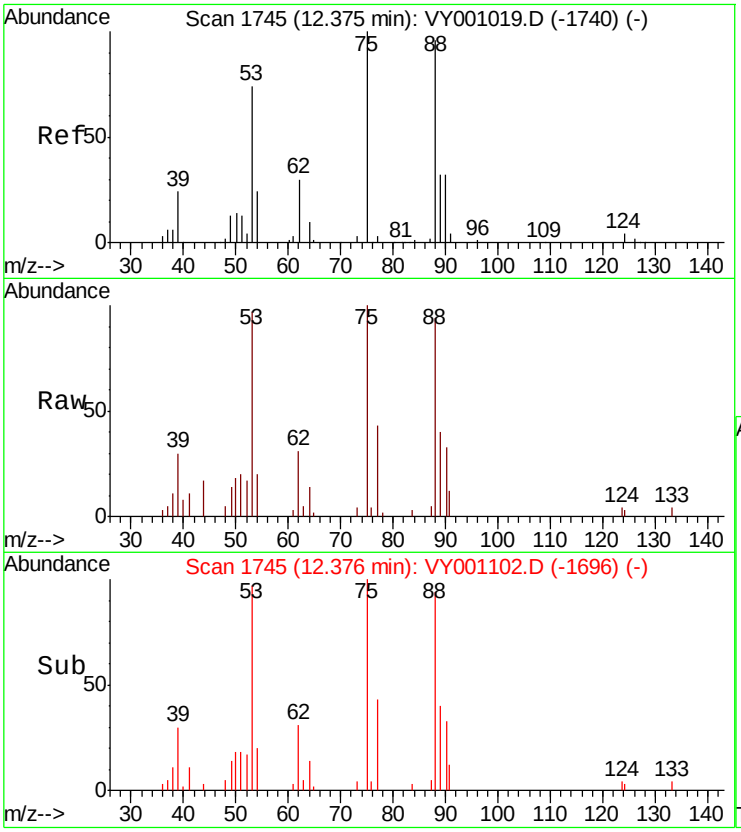




#80
1,3,5-Trimethylbenzene
Concen: 43.702 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:105 Resp: 70599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 52.3 | 25.1 | 75.4 |






#81
trans-1,4-Dichloro-2-butene
Concen: 30.976 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 4560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 89.6 | 60.6 | 91.0 |
| 89 | 36.3 | 35.4 | 53.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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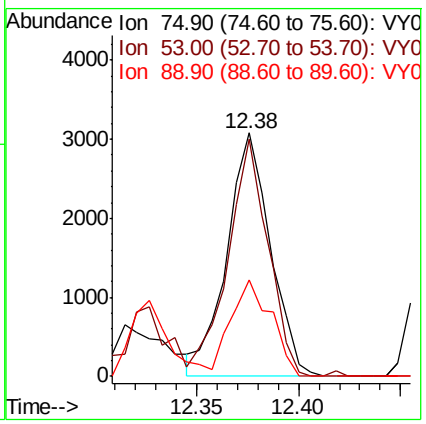
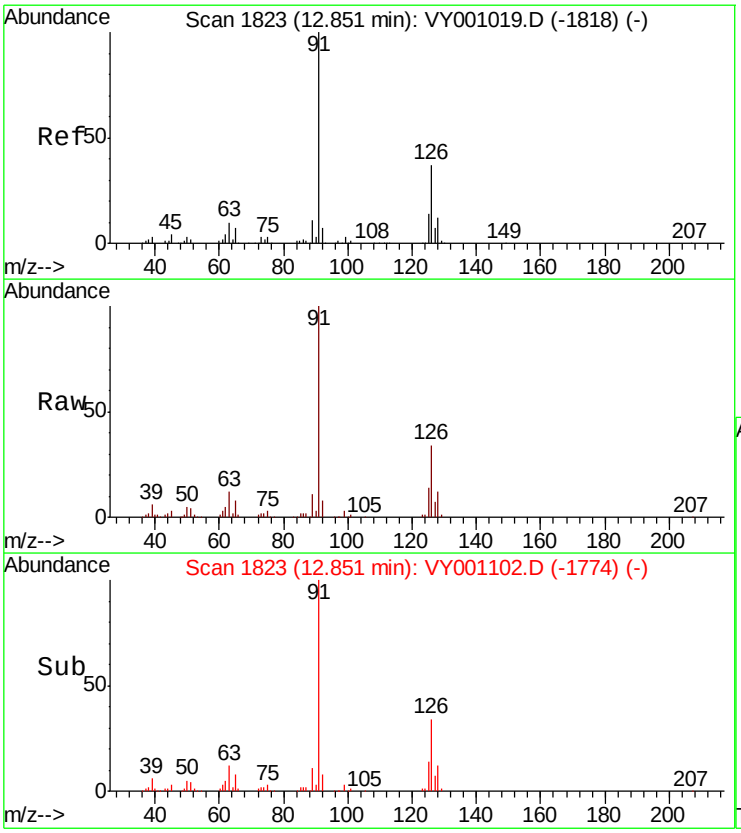
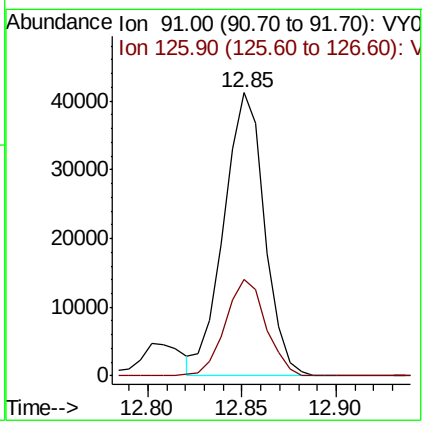


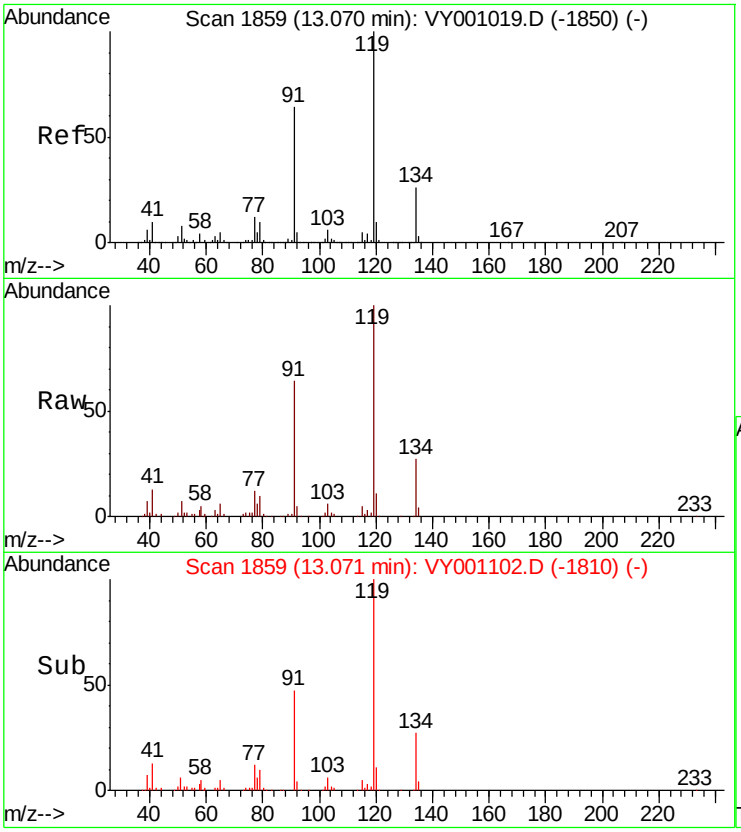




#82
4-Chlorotoluene
Concen: 44.976 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 61954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 17.6 | 52.8 |

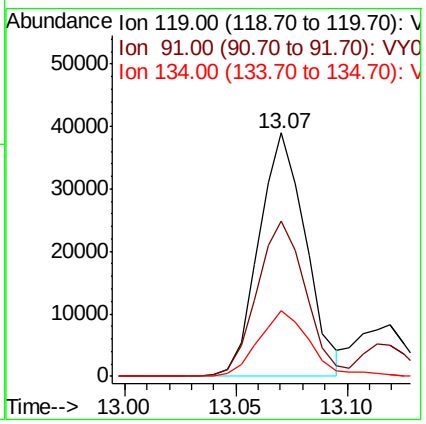





#83
tert-Butylbenzene
Concen: 42.050 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:119 Resp: 57023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 66.9 | 31.9 | 95.7 |
| 134 | 29.3 | 13.6 | 40.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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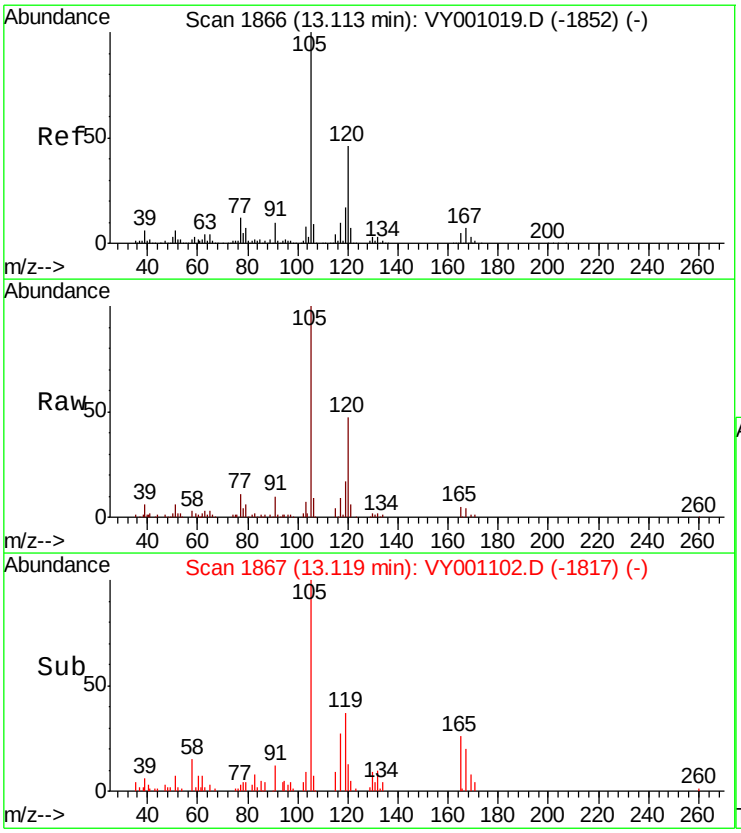
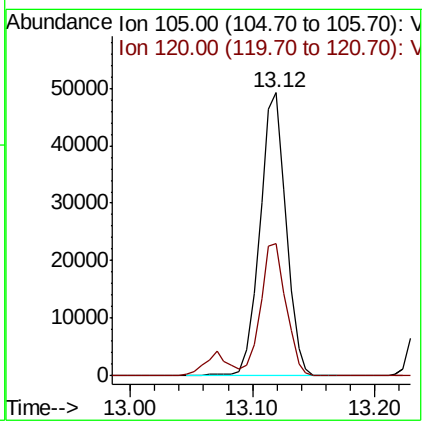
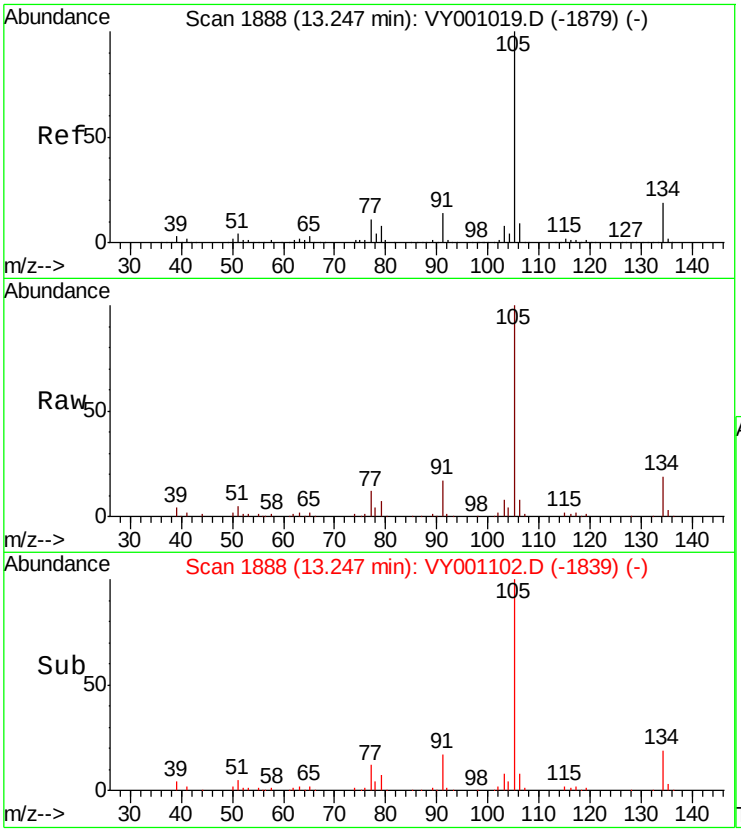



#84
1,2,4-Trimethylbenzene
Concen: 45.023 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:105 Resp: 73089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.7 | 23.4 | 70.2 |






#85
sec-Butylbenzene
Concen: 41.764 ug/l
RT: 13.25 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:105 Resp: 83493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.8 | 10.0 | 30.0 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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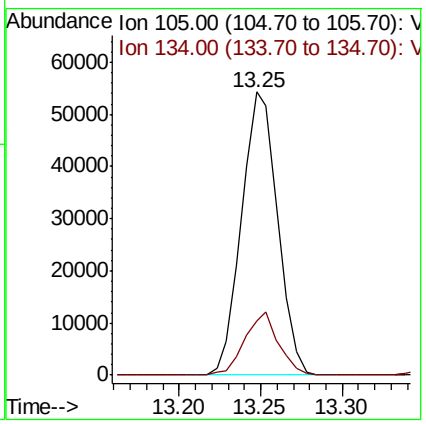
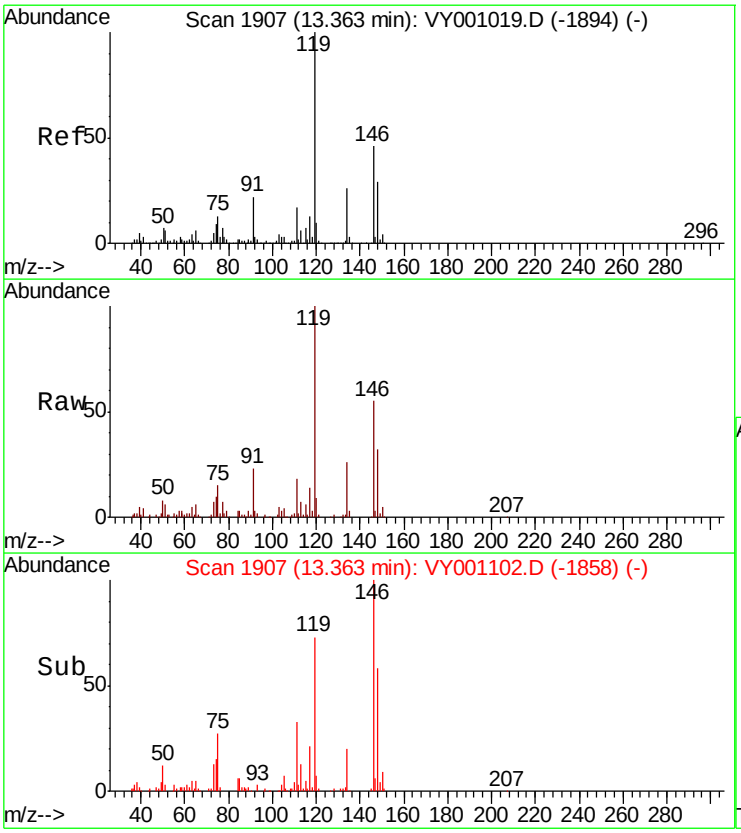
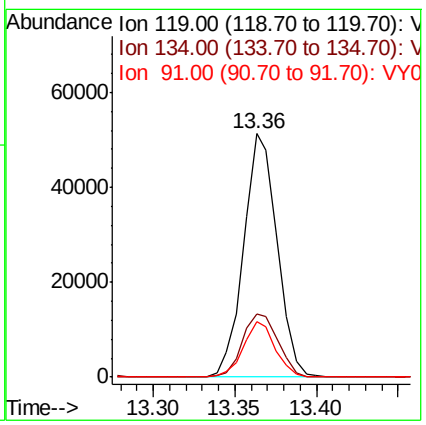


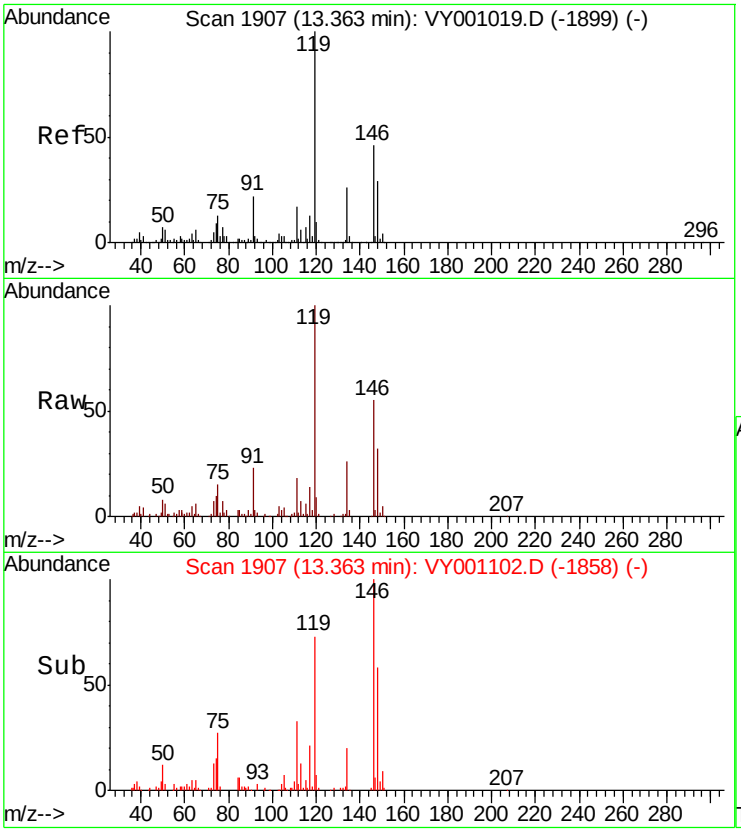




#86
p-Isopropyltoluene
Concen: 42.384 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:119 Resp: 73319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.7 | 13.6 | 40.7 |
| 91 | 21.7 | 11.4 | 34.1 |

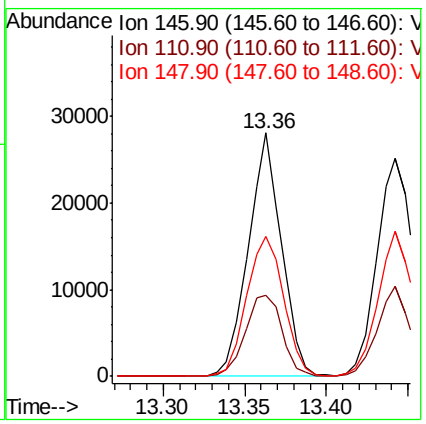





#87
1,3-Dichlorobenzene
Concen: 46.744 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:146 Resp: 39793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.8 | 19.7 | 59.0 |
| 148 | 64.1 | 31.9 | 95.5 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
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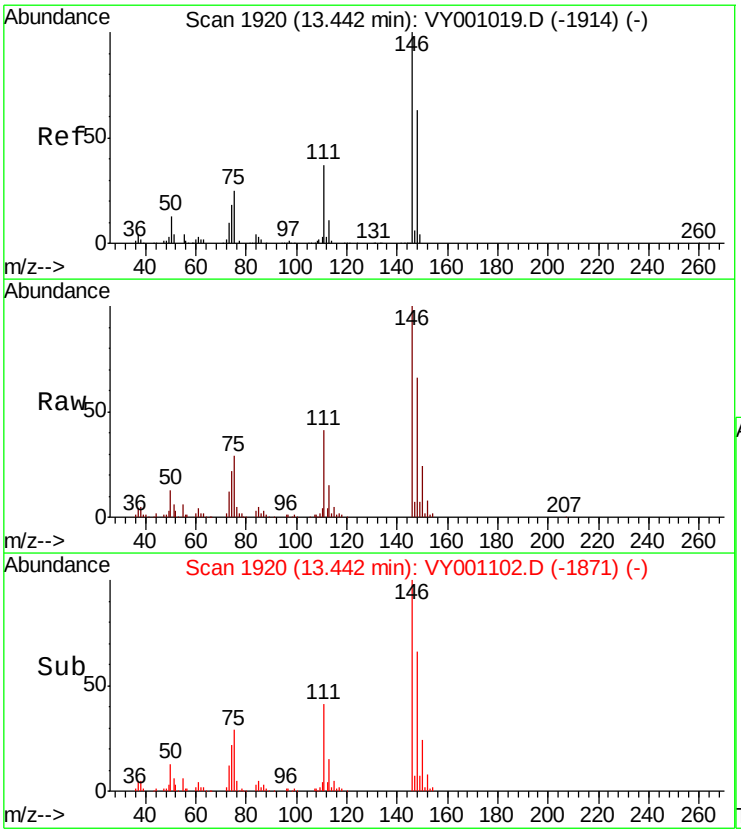
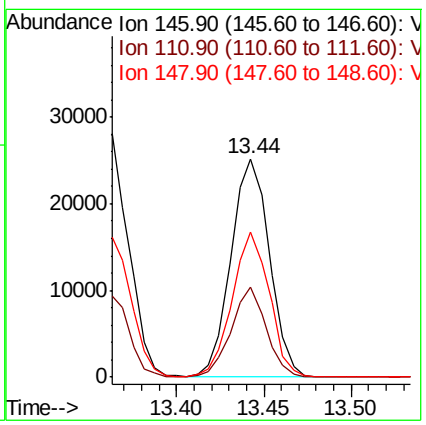
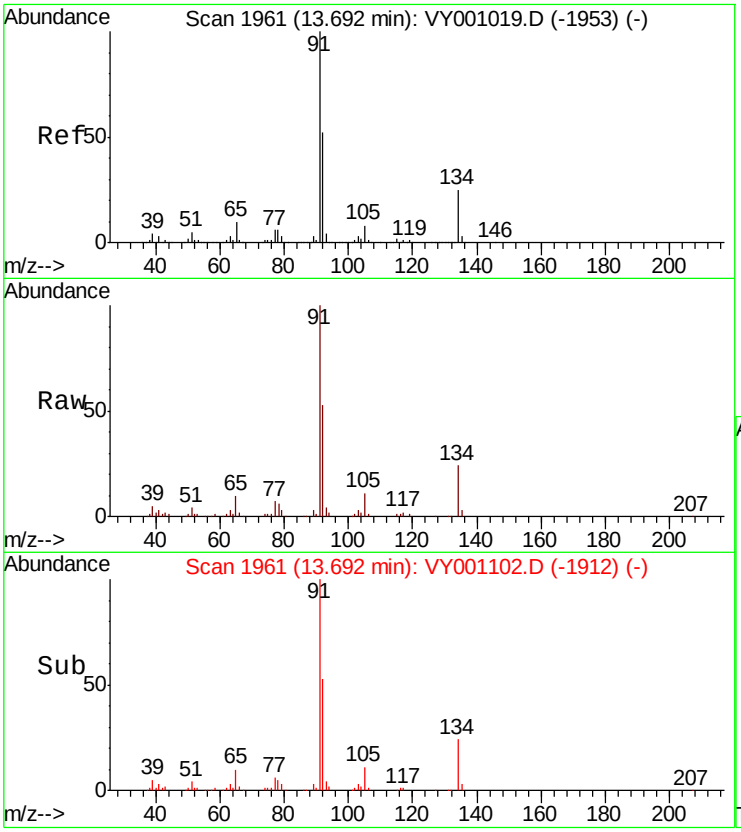



#88
1,4-Dichlorobenzene
Concen: 44.912 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:146 Resp: 38569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.5 | 19.4 | 58.2 |
| 148 | 64.0 | 31.8 | 95.3 |

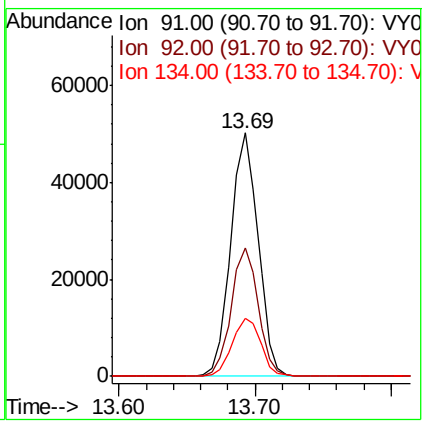





#89
n-Butylbenzene
Concen: 40.497 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 91 Resp: 70483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.0 | 26.9 | 80.7 |
| 134 | 25.2 | 12.7 | 38.0 |




**Instrument :**
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**ClientSampleId :**
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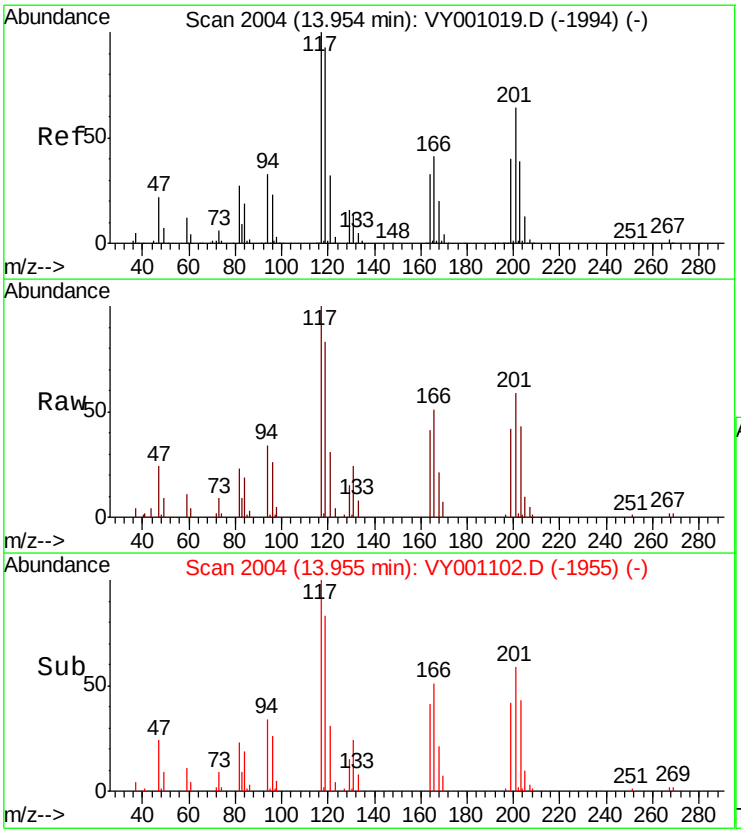
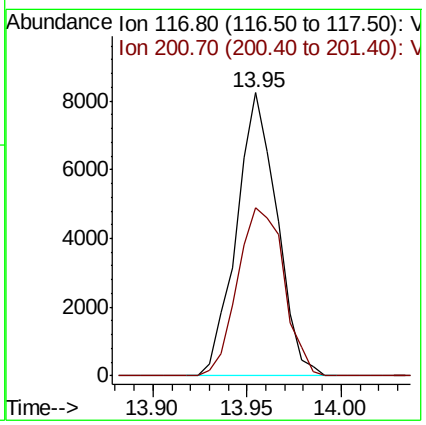
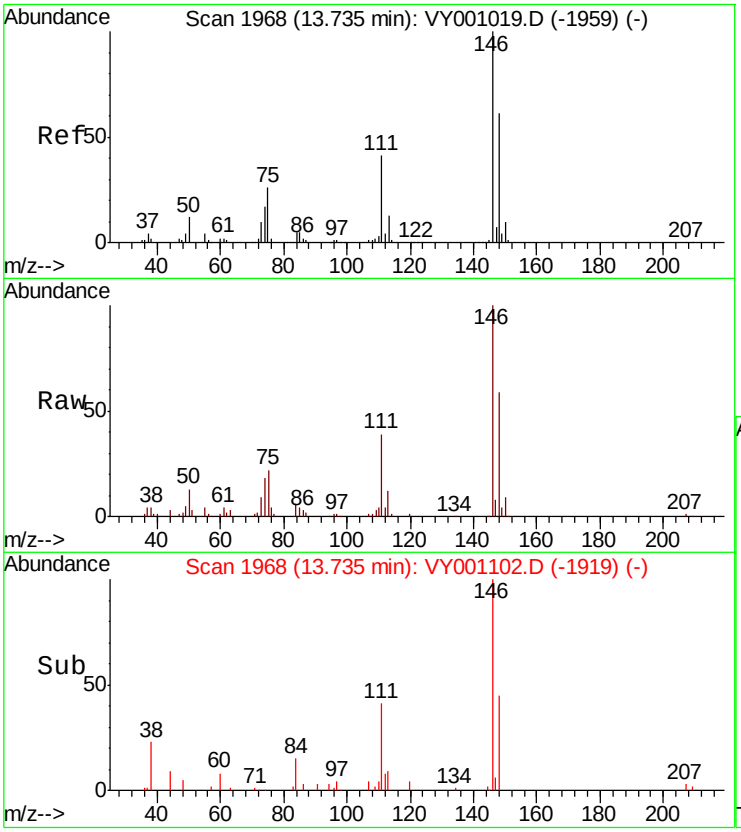



#90
Hexachloroethane
Concen: 37.510 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:117 Resp: 12225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.2 | 33.7 | 101.1 |






#91
1,2-Dichlorobenzene
Concen: 47.763 ug/l
RT: 13.74 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:146 Resp: 37507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 20.6 | 61.9 |
| 148 | 63.1 | 31.6 | 94.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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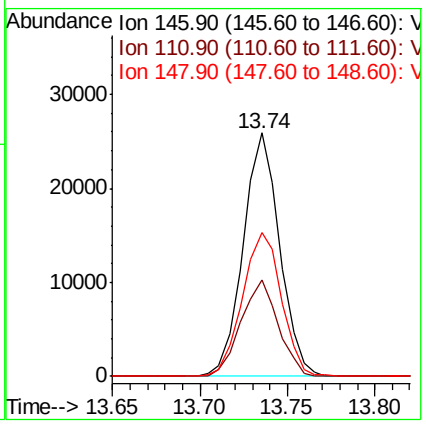
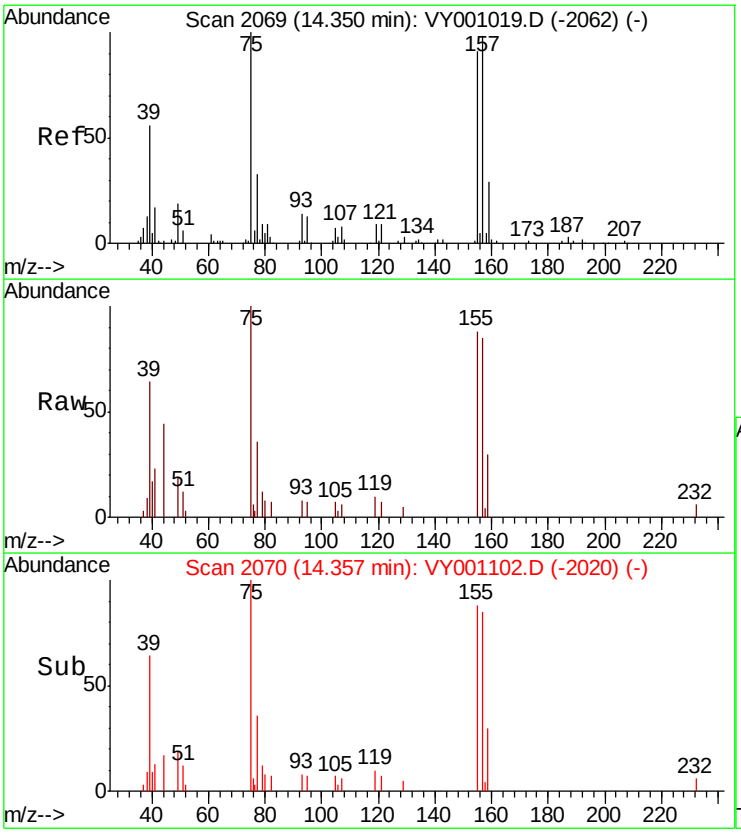
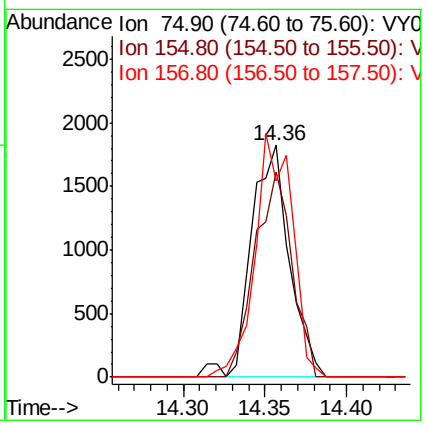


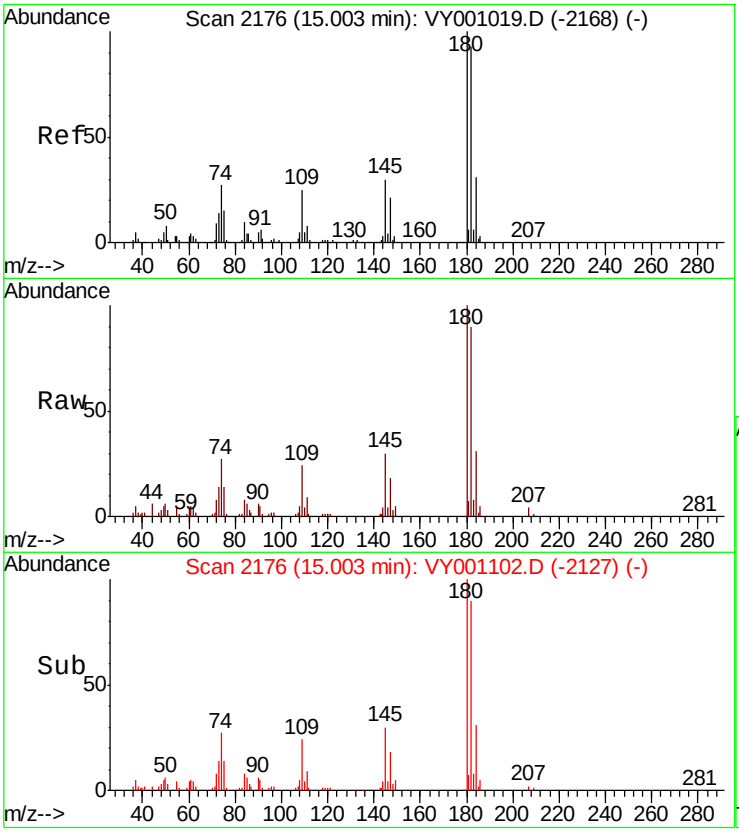




#92
1,2-Dibromo-3-Chloropropane
Concen: 45.522 ug/l
RT: 14.36 min Scan# 2070
Delta R.T. 0.01 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion: 75 Resp: 2957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 86.4 | 46.3 | 138.9 |
| 157 | 101.7 | 58.1 | 174.4 |

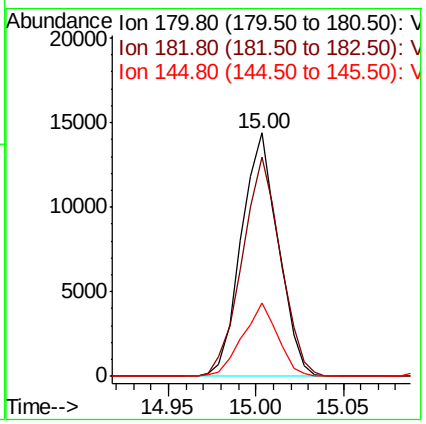





#93
1,2,4-Trichlorobenzene
Concen: 39.847 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:180 Resp: 21121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 46.8 | 140.3 |
| 145 | 28.8 | 15.3 | 45.9 |

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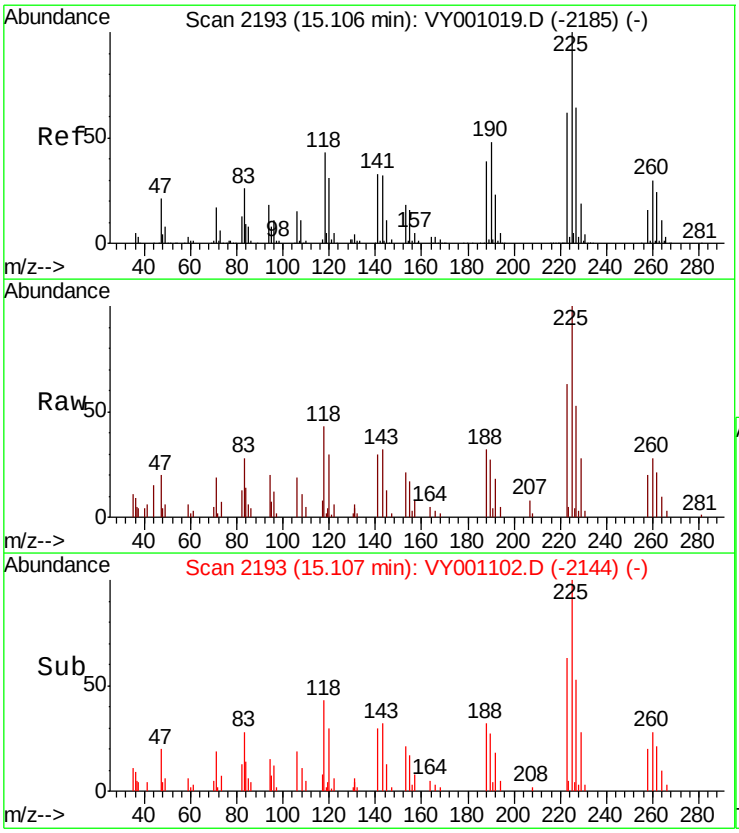
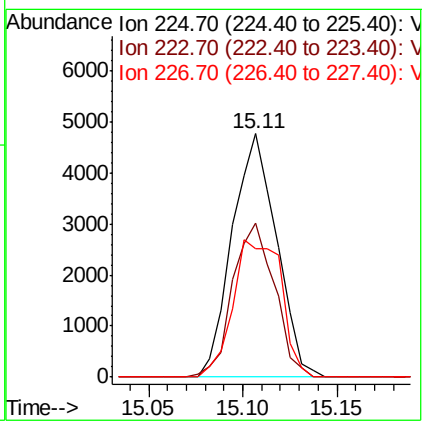
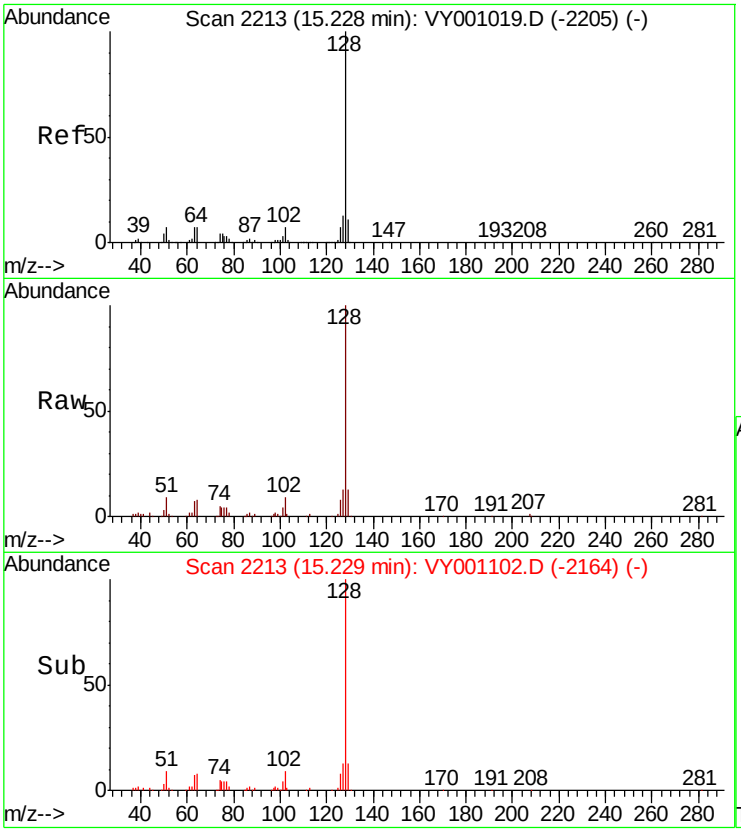



#94
Hexachlorobutadiene
Concen: 30.813 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:225 Resp: 7772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 59.6 | 31.6 | 94.8 |
| 227 | 61.2 | 31.9 | 95.5 |

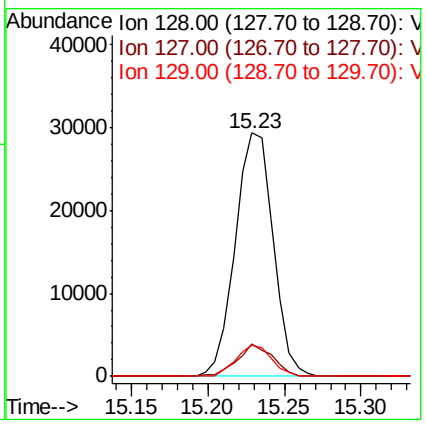





#95
Naphthalene
Concen: 40.493 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:128 Resp: 50476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.4 | 9.9 | 14.9 |
| 129 | 12.0 | 8.6 | 13.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
LIED-BF001-01MS

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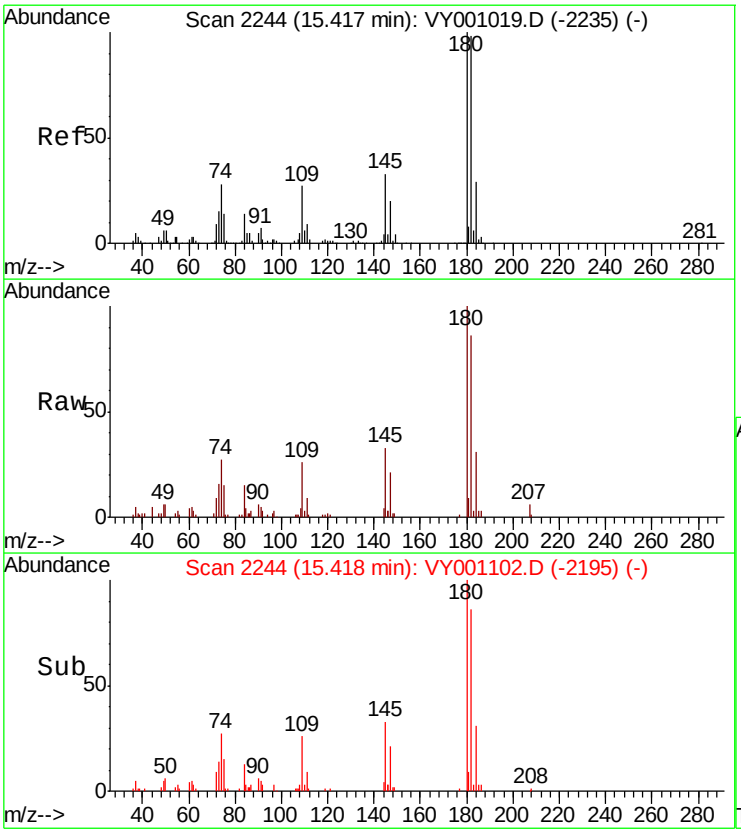


#96
1,2,3-Trichlorobenzene
Concen: 40.104 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001102.D
Acq: 27 Dec 2019 16:50

Tgt Ion:180 Resp: 18957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 47.9 | 143.8 |
| 145 | 34.6 | 16.3 | 48.9 |