Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111319\
Data File : VY000670.D
Acq On : 13 Nov 2019 14:04
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

Quant Time: Nov 14 08:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 08:38:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.70 | 114 | 338889 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.49 | 117 | 306523 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 140911 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.24 | 65 | 104962 | 21.93 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 87.72% | | | |
| 7) Chloroethane-d5 | 2.76 | 69 | 98414 | 23.14 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 92.56% | | | |
| 10) 1,1-Dichloroethene-d2 | 3.85 | 63 | 145265 | 16.43 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 65.72% | | | |
| 20) 2-Butanone-d5 | 6.91 | 46 | 78410 | 39.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 79.42% | | | |
| 24) Chloroform-d | 7.49 | 84 | 193920 | 21.81 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 87.24% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.15 | 65 | 113311 | 21.98 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 87.92% | | | |
| 29) Benzene-d6 | 8.12 | 84 | 409804 | 23.02 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 92.08% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.13 | 67 | 126073 | 22.60 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 90.40% | | | |
| 37) Toluene-d8 | 10.18 | 98 | 370896 | 22.30 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 89.20% | | | |
| 38) trans-1,3-Dichloropropene- | 10.44 | 79 | 55750 | 21.42 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 85.68% | | | |
| 39) 2-Hexanone-d5 | 10.79 | 63 | 60403 | 40.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 80.12% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56 | 84 | 112612 | 20.75 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 83.00% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.72 | 152 | 131091 | 23.26 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 93.04% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.90 | 85 | 2605 | 0.582 | ug/L | 88 |
| 3) Chloromethane | 2.12 | 50 | 3022 | 0.538 | ug/L | 93 |
| 5) Vinyl chloride | 2.25 | 62 | 3023 | 0.540 | ug/L # | 34 |
| 6) Bromomethane | 2.66 | 94 | 1876m | 0.613 | ug/L | |
| 8) Chloroethane | 2.79 | 64 | 1877m | 0.534 | ug/L | |
| 9) Trichlorofluoromethane | 3.13 | 101 | 5040 | 0.635 | ug/L # | 63 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 3.91 | 101 | 3021m | 0.671 | ug/L | |
| 12) 1,1-Dichloroethene | 3.86 | 96 | 3710m | 0.844 | ug/L | |
| 13) Acetone | 3.98 | 43 | 3167m | 2.192 | ug/L | |
| 14) Carbon disulfide | 4.20 | 76 | 5908m | 0.436 | ug/L | |
| 15) Methyl Acetate | 4.49 | 43 | 1255m | 0.379 | ug/L | |
| 16) Methylene chloride | 4.72 | 84 | 13618 | 2.434 | ug/L | 83 |
| 17) Methyl tert-butyl Ether | 5.24 | 73 | 6459m | 0.483 | ug/L | |
| 18) trans-1,2-Dichloroethene | 5.23 | 96 | 2279 | 0.464 | ug/L | 85 |
| 19) 1,1-Dichloroethane | 6.02 | 63 | 4215 | 0.488 | ug/L | 93 |
| 22) cis-1,2-Dichloroethene | 6.99 | 96 | 2794m | 0.515 | ug/L | |
| 23) Bromochloromethane | 7.34 | 128 | 1284m | 0.542 | ug/L | |

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Data File : VY000670.D
Acq On : 13 Nov 2019 14:04
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

Quant Time: Nov 14 08:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 08:38:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 25) Chloroform | 7.52 | 83 | 10970 | 1.179 ug/L | # | 70 |
| 27) 1,2-Dichloroethane | 8.25 | 62 | 3429 | 0.551 ug/L | | 96 |
| 31) 1,1,1-Trichloroethane | 7.71 | 97 | 3869 | 0.512 ug/L | # | 77 |
| 32) Carbon tetrachloride | 7.91 | 117 | 3060m | 0.465 ug/L | | |
| 34) Benzene | 8.18 | 78 | 10578 | 0.528 ug/L | | 100 |
| 35) Trichloroethene | 8.94 | 95 | 2919 | 0.556 ug/L | | 97 |
| 36) Methylcyclohexane | 9.18 | 83 | 3733 | 0.415 ug/L | # | 83 |
| 40) 1,2-Dichloropropane | 9.23 | 63 | 2268 | 0.447 ug/L | | 100 |
| 41) Bromodichloromethane | 9.50 | 83 | 3673 | 0.562 ug/L | | 96 |
| 42) cis-1,3-Dichloropropene | 9.94 | 75 | 3830 | 0.468 ug/L | | 97 |
| 43) 4-Methyl-2-pentanone | 10.07 | 43 | 4594 | 0.946 ug/L | # | 53 |
| 44) Toluene | 10.25 | 91 | 11165 | 0.515 ug/L | | 91 |
| 45) trans-1,3-Dichloropropene | 10.47 | 75 | 2377 | 0.338 ug/L | # | 80 |
| 46) 1,1,2-Trichloroethane | 10.64 | 97 | 2255 | 0.541 ug/L | | 88 |
| 47) Tetrachloroethene | 10.72 | 164 | 2299 | 0.586 ug/L | | 80 |
| 49) 2-Hexanone | 10.83 | 43 | 4506 | 1.191 ug/L | # | 94 |
| 50) Dibromochloromethane | 10.99 | 129 | 2126 | 0.452 ug/L | | 96 |
| 51) 1,2-Dibromoethane | 11.08 | 107 | 2061 | 0.508 ug/L | # | 78 |
| 52) Chlorobenzene | 11.51 | 112 | 6201 | 0.451 ug/L | | 93 |
| 53) Ethylbenzene | 11.59 | 91 | 11686 | 0.477 ug/L | | 95 |
| 54) m,p-Xylene | 11.69 | 106 | 4857 | 0.524 ug/L | | 80 |
| 55) o-xylene | 12.03 | 106 | 4700 | 0.516 ug/L | | 82 |
| 56) Styrene | 12.04 | 104 | 6831 | 0.452 ug/L | | 90 |
| 57) Isopropylbenzene | 12.32 | 105 | 10629 | 0.449 ug/L | | 91 |
| 58) 1,1,2,2-Tetrachloroethane | 12.58 | 83 | 3115 | 0.599 ug/L | # | 81 |
| 59) 1,2,3-Trichloropropane | 12.63 | 75 | 1868 | 0.442 ug/L | | 100 |
| 62) Bromoform | 12.20 | 173 | 1128 | 0.421 ug/L | # | 90 |
| 63) 1,3-Dichlorobenzene | 13.36 | 146 | 5147 | 0.512 ug/L | # | 81 |
| 64) 1,4-Dichlorobenzene | 13.44 | 146 | 5575 | 0.555 ug/L | # | 87 |
| 65) 1,2-Dichlorobenzene | 13.74 | 146 | 5289 | 0.568 ug/L | | 94 |
| 66) 1,2-Dibromo-3-chloropropan | 14.36 | 75 | 488m | 0.552 ug/L | | |
| 67) 1,3,5-Trichlorobenzene | 14.50 | 180 | 3475m | 0.496 ug/L | | |
| 68) 1,2,4-trichlorobenzene | 15.00 | 180 | 3124 | 0.499 ug/L | | 93 |
| 69) Naphthalene | 15.23 | 128 | 7178 | 0.460 ug/L | # | 93 |
| 70) 1,2,3-Trichlorobenzene | 15.42 | 180 | 2804 | 0.482 ug/L | | 96 |

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

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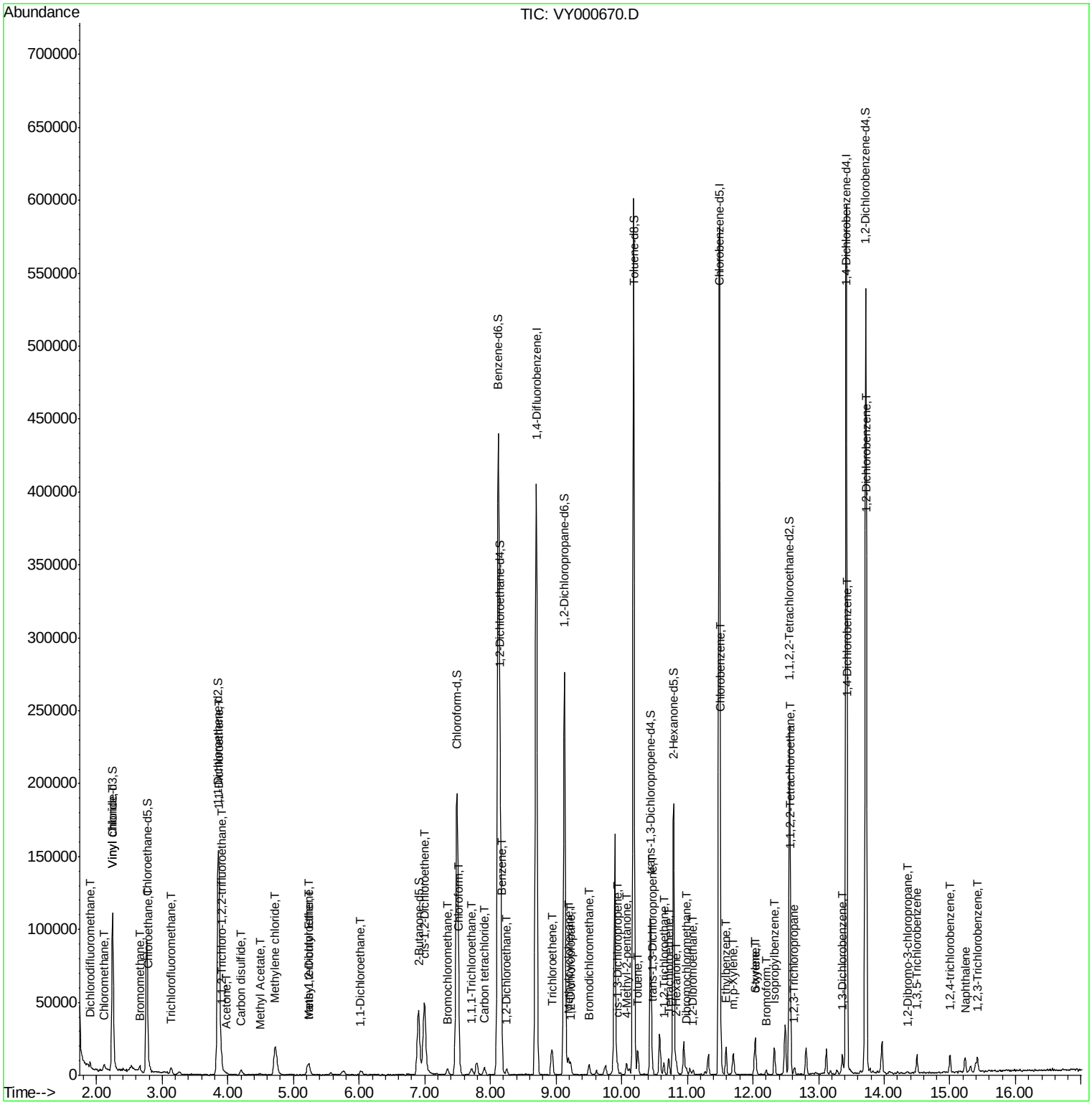
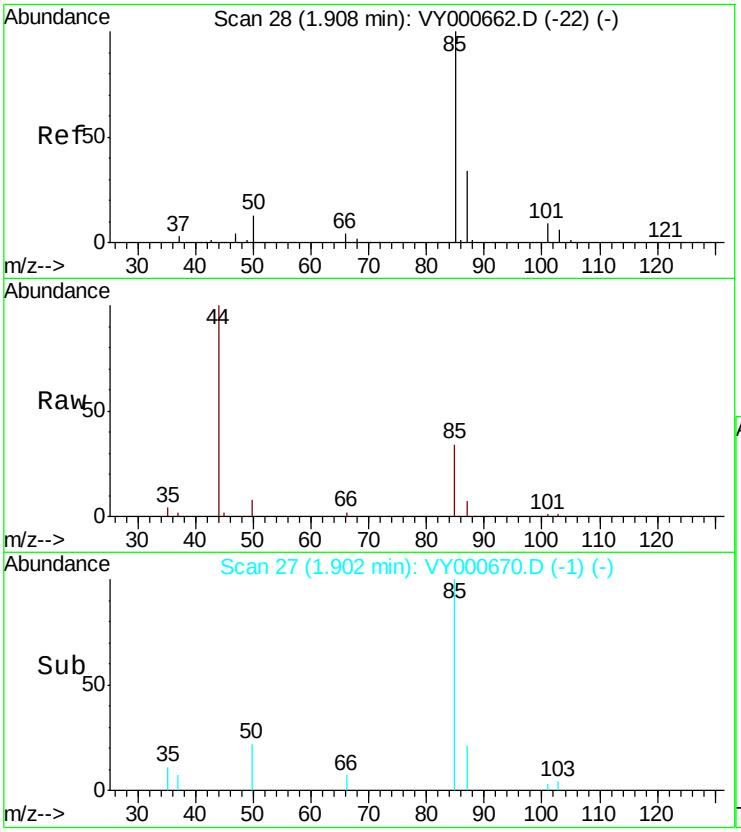
Data File : VY000670.D
Acq On : 13 Nov 2019 14:04
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 14 08:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 14 08:38:56 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

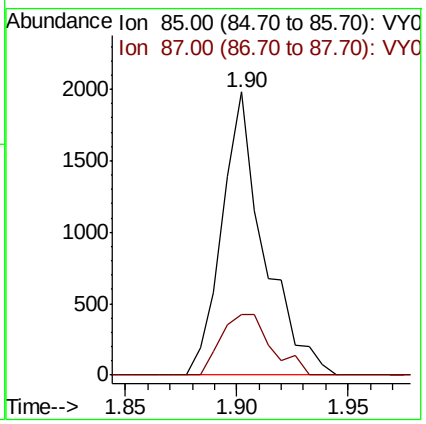





#2
Dichlorodifluoromethane
Concen: 0.582 ug/L
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

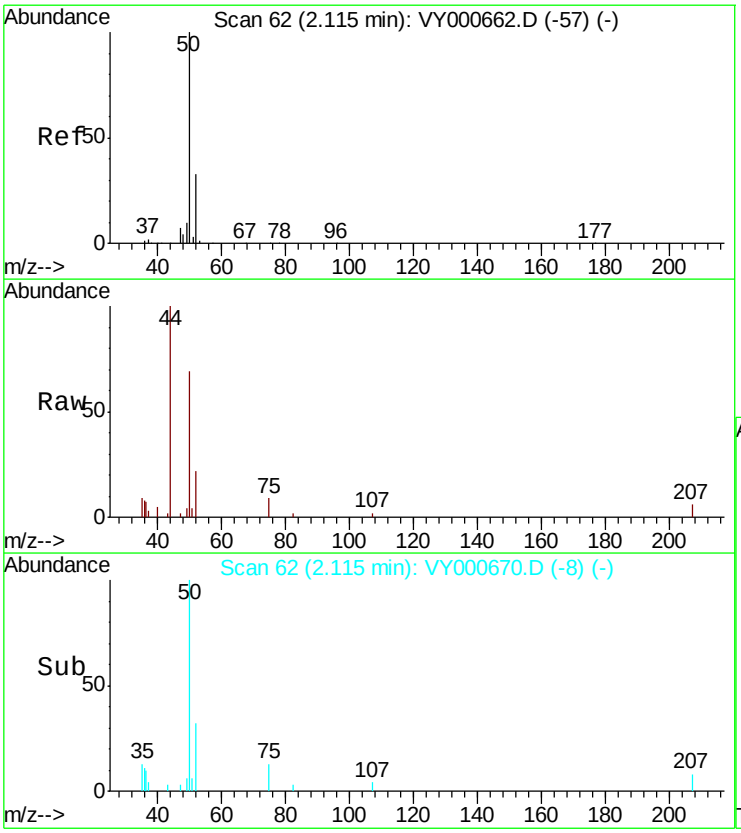
Tgt Ion: 85 Resp: 2605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 25.6 | 22.7 | 42.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

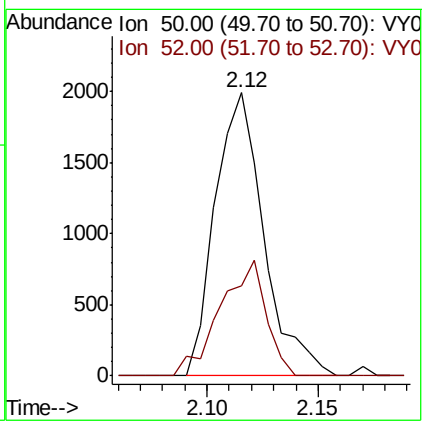
**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

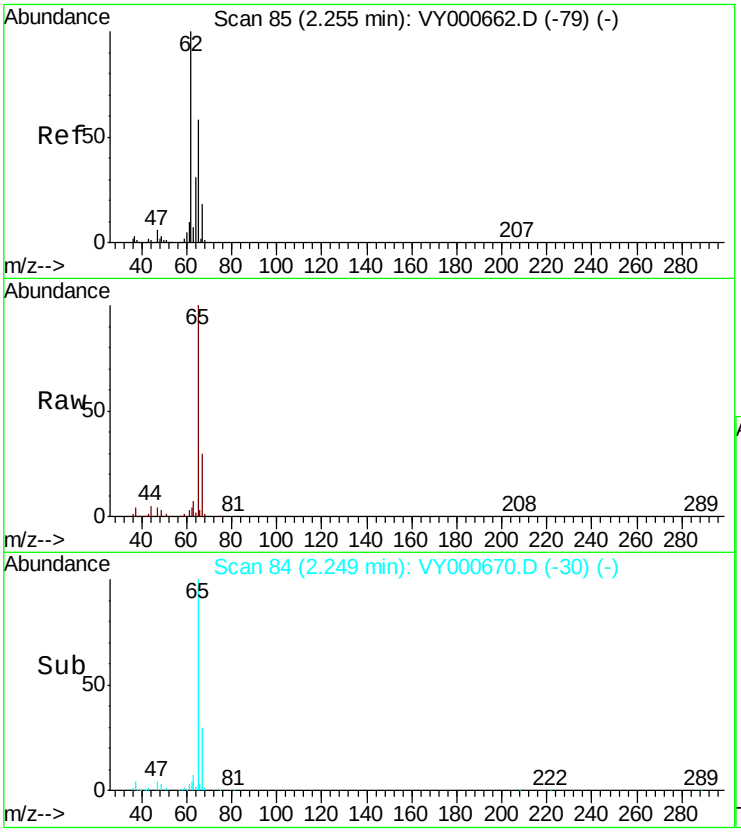



#3
Chloromethane
Concen: 0.538 ug/L
RT: 2.12 min Scan# 62
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 50 Resp: 3022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 24.9 | 46.3 |





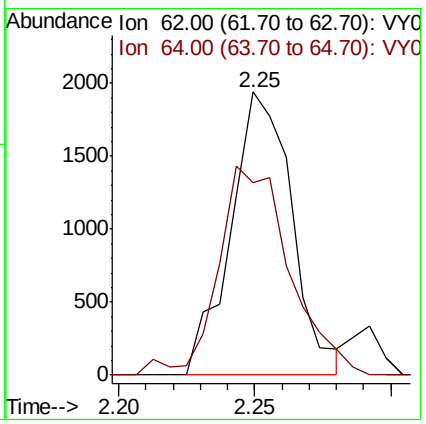

#5
Vinyl chloride
Concen: 0.540 ug/L
RT: 2.25 min Scan# 84
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

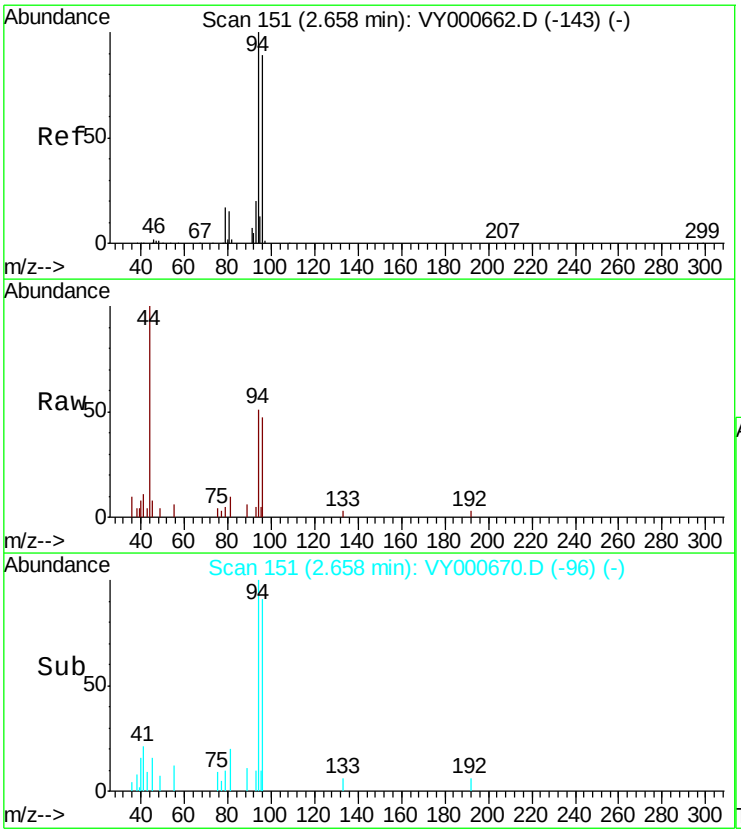
Tgt Ion: 62 Resp: 3023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 68.0 | 22.0 | 40.8# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

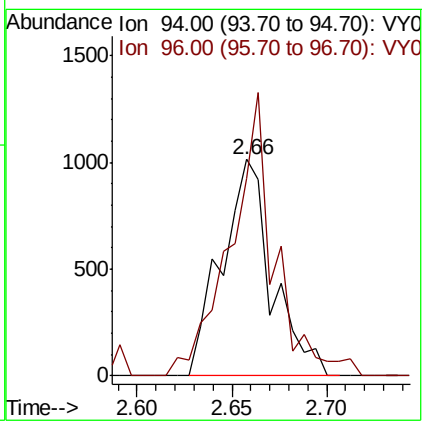


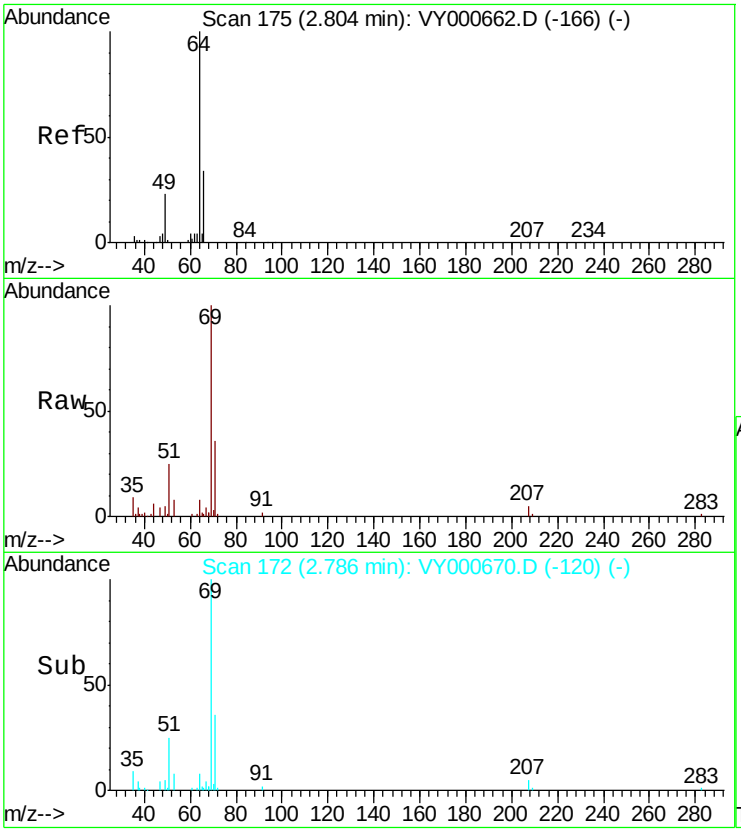




#6
Bromomethane
Concen: 0.613 ug/L m
RT: 2.66 min Scan# 151
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 94 Resp: 1876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 103.8 | 9.8 | 185.6 |

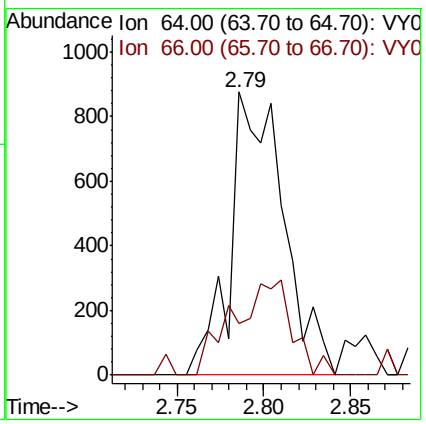





#8
Chloroethane
Concen: 0.534 ug/L m
RT: 2.79 min Scan# 172
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

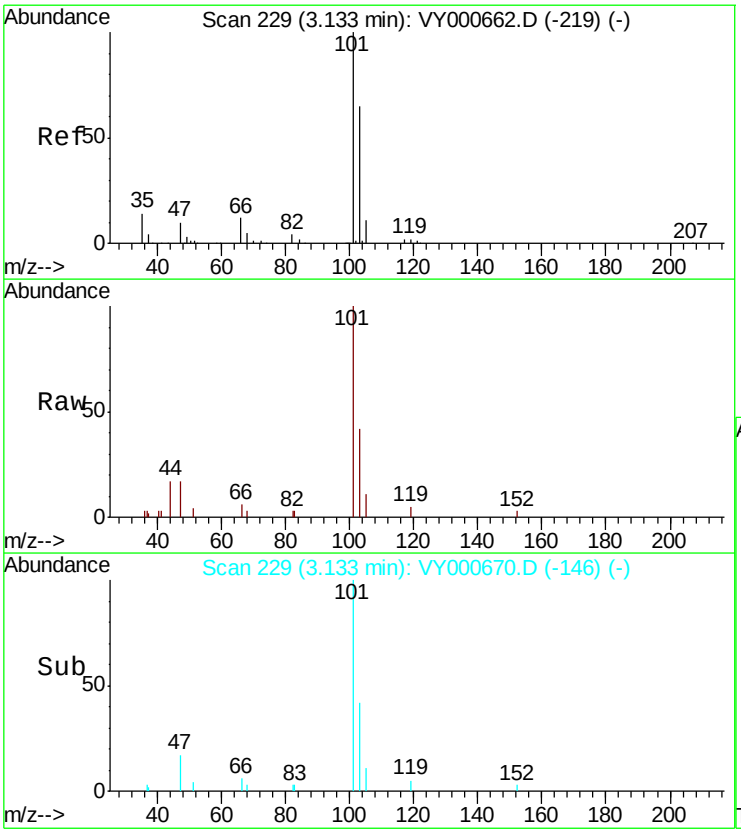
Tgt Ion: 64 Resp: 1877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 18.5 | 22.2 | 41.2# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

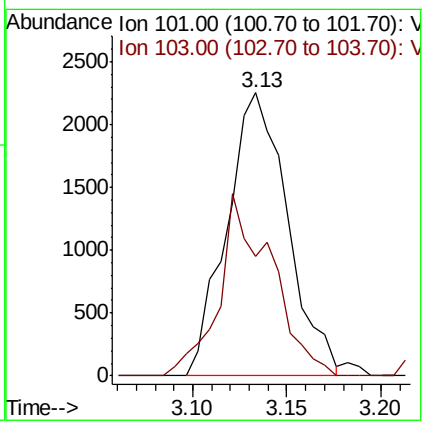
**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

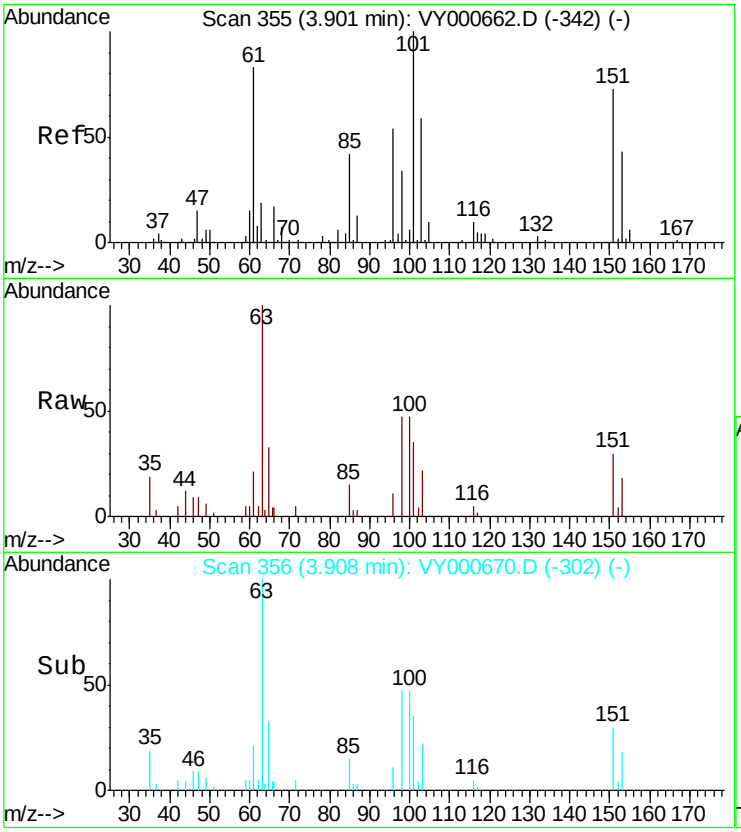



#9
Trichlorofluoromethane
Concen: 0.635 ug/L
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:101 Resp: 5040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 35.7 | 45.8 | 85.0# |





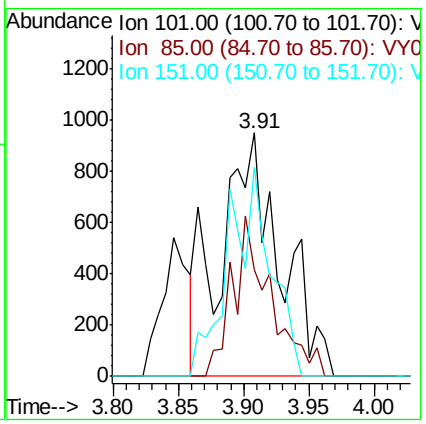

#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.671 ug/L m
RT: 3.91 min Scan# 356
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

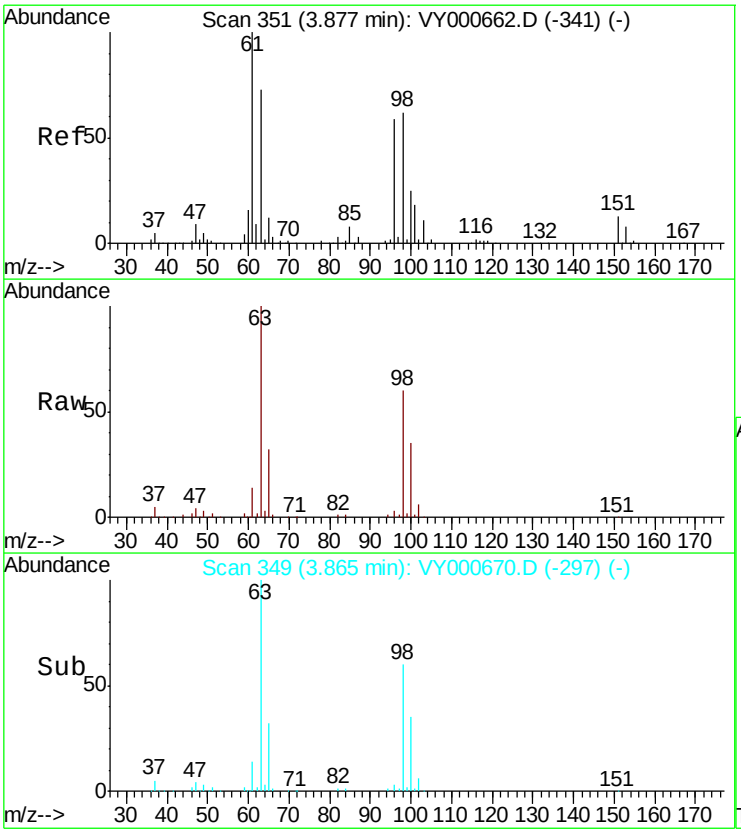
**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

Tgt Ion:101 Resp: 3021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 27.5 | 35.3 | 52.9# |
| 151 | 11.1 | 61.9 | 92.9# |

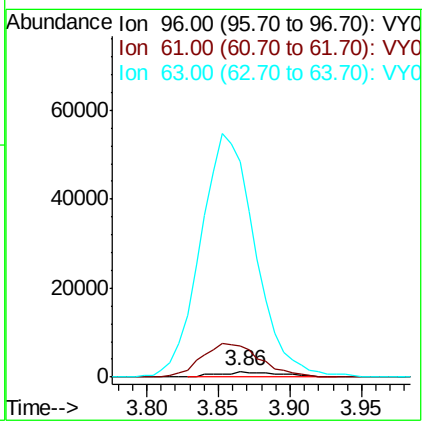


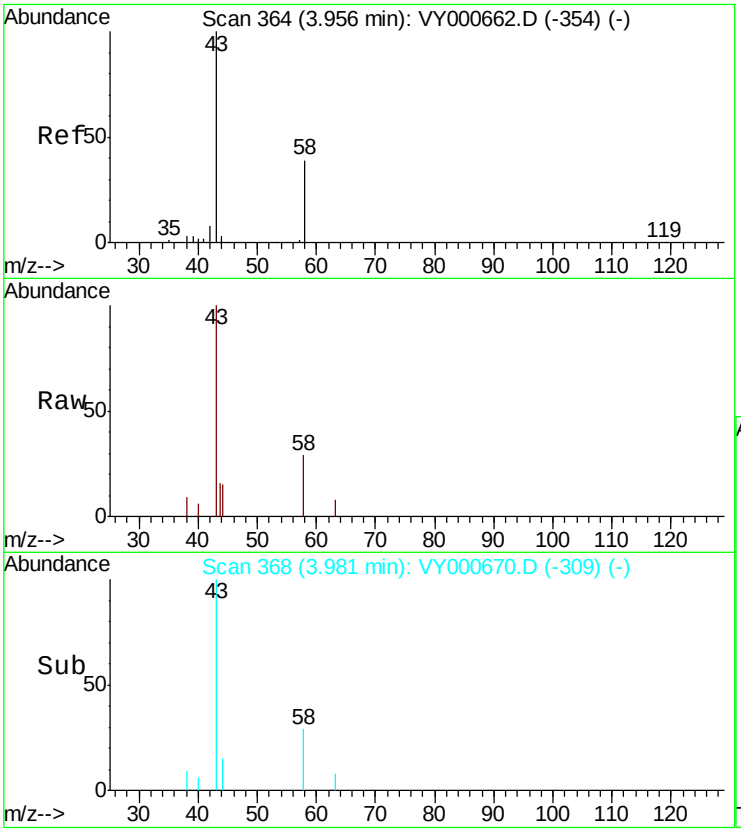




#12
1,1-Dichloroethene
Concen: 0.844 ug/L m
RT: 3.86 min Scan# 349
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 96 Resp: 3710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 519.5 | 113.5 | 210.9# |
| 63 | 3629.7 | 94.3 | 175.1# |

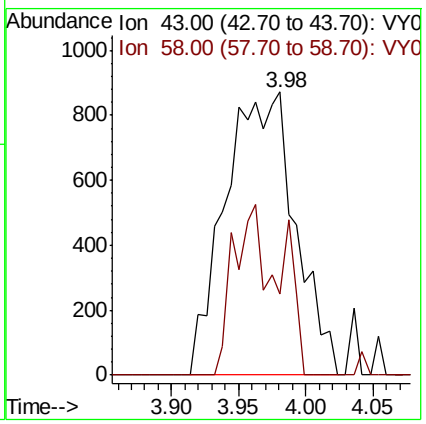





#13
Acetone
Concen: 2.192 ug/L m
RT: 3.98 min Scan# 368
Delta R.T. 0.03 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

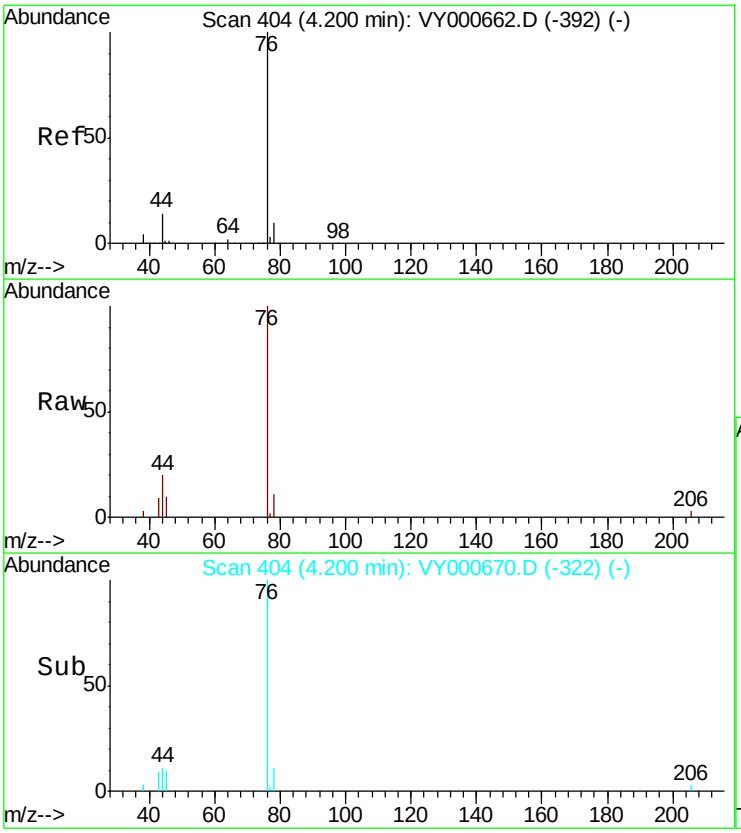
Tgt Ion: 43 Resp: 3167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.0 | 0.0 | 64.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

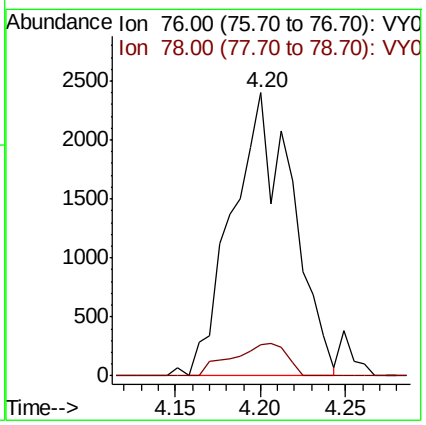
**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

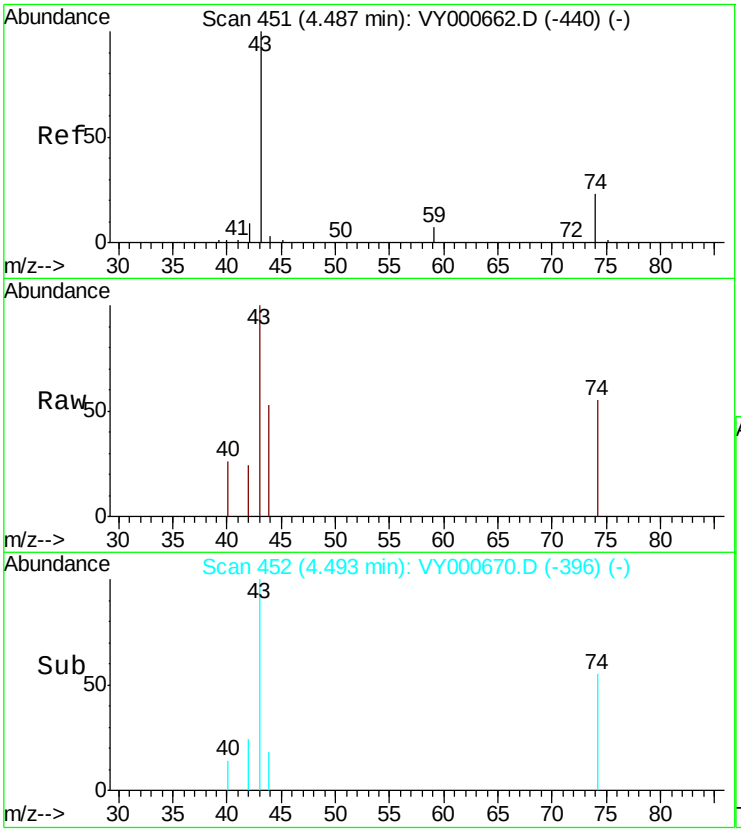



#14
Carbon disulfide
Concen: 0.436 ug/L m
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 76 Resp: 5908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.2 | 7.0 | 10.6# |






#15
Methyl Acetate
Concen: 0.379 ug/L m
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 43 Resp: 1255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 8.0 | 18.1 | 27.1# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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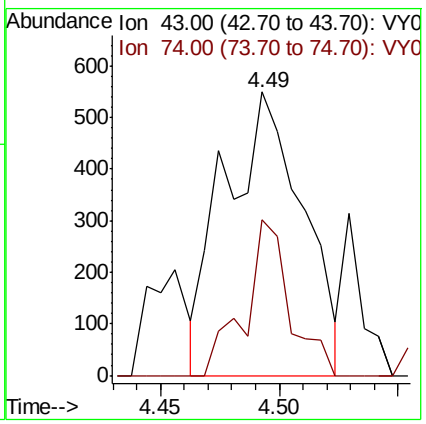
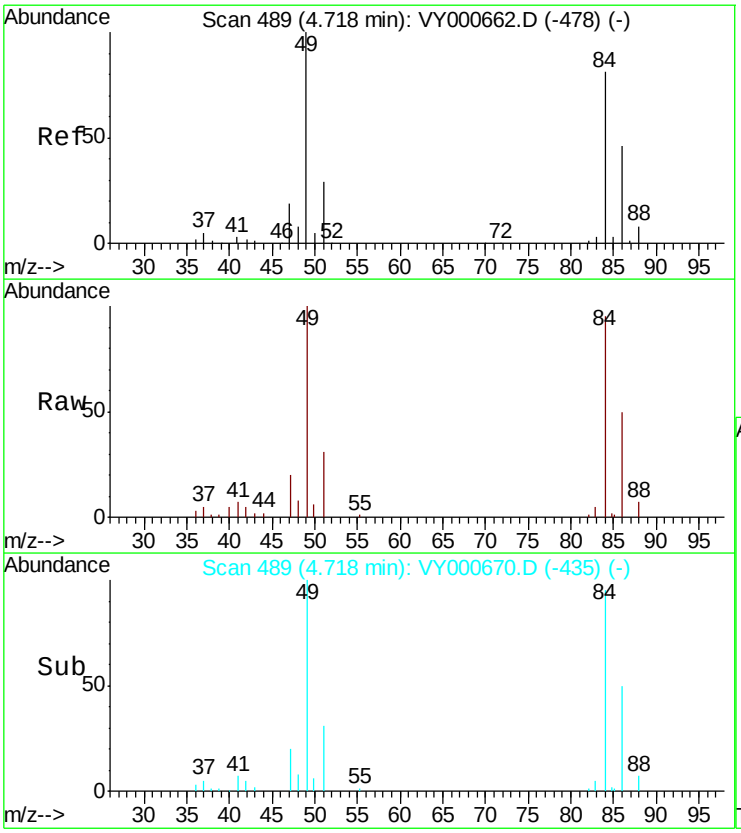
**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

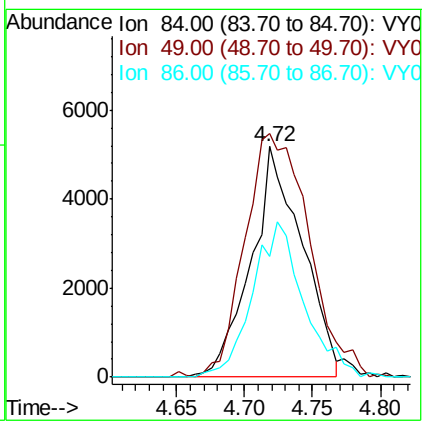


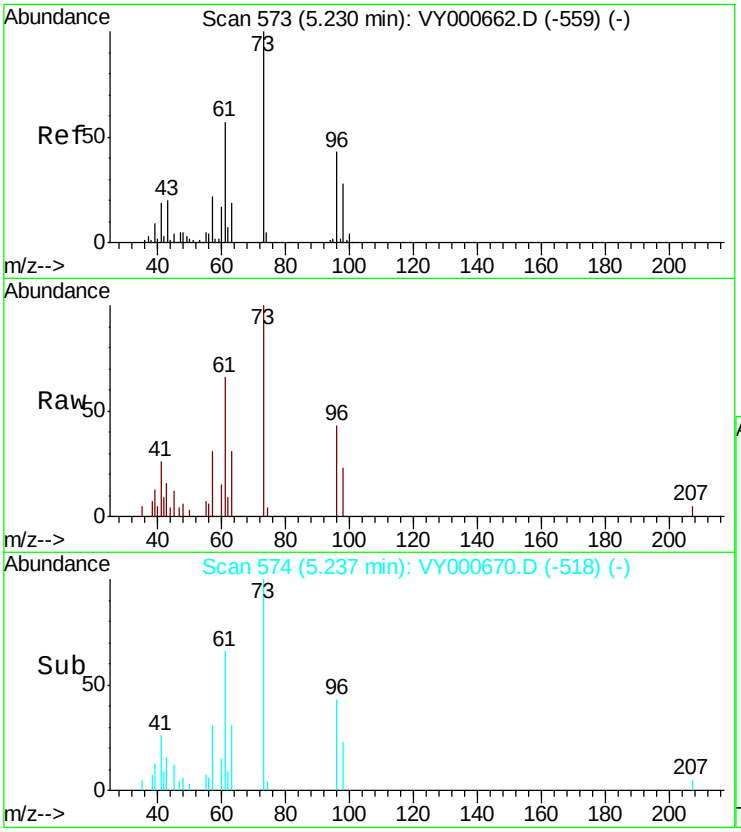




#16
Methylene chloride
Concen: 2.434 ug/L
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 84 Resp: 13618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 105.8 | 88.8 | 165.0 |
| 86 | 52.4 | 43.9 | 81.5 |

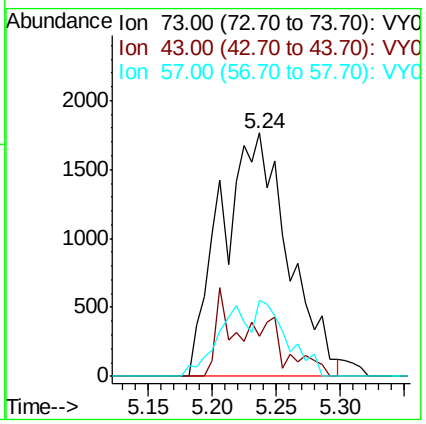





#17
Methyl tert-butyl Ether
Concen: 0.483 ug/L m
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 73 Resp: 6459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 3.3 | 15.4 | 23.0# |
| 57 | 14.4 | 17.5 | 26.3# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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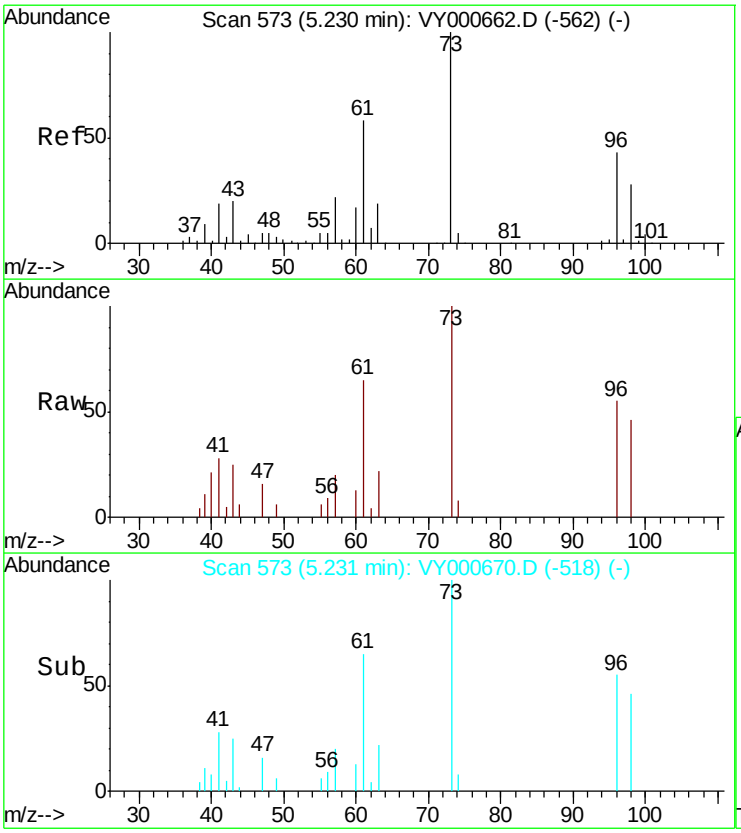
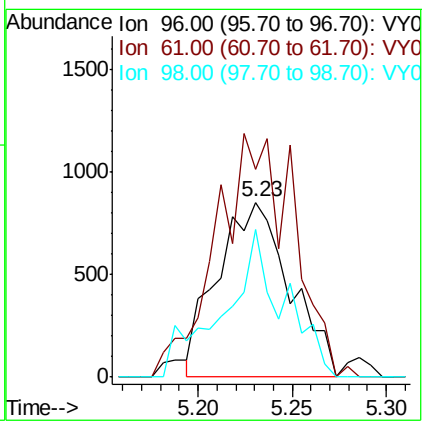
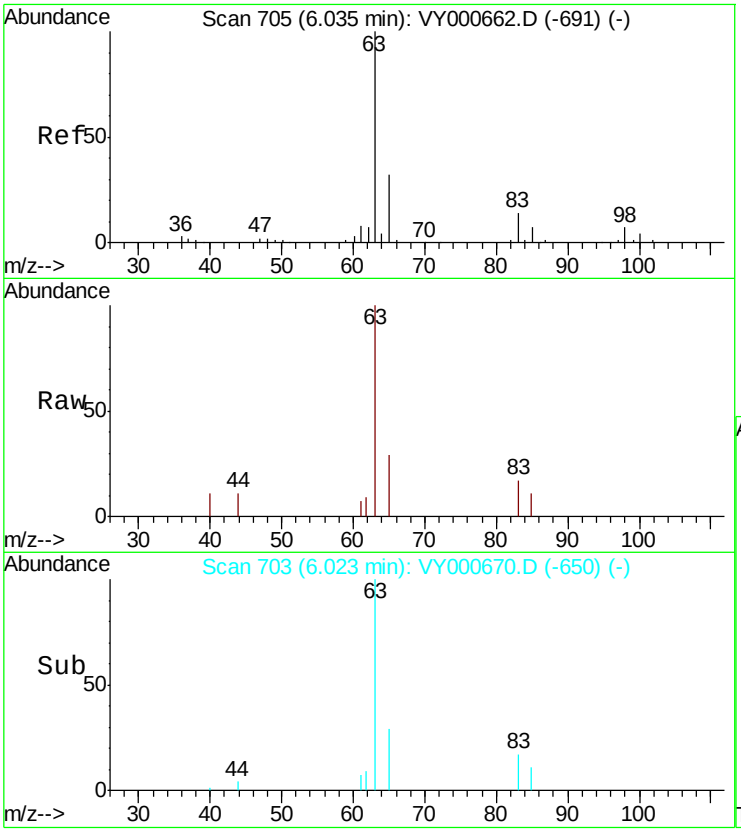



#18
trans-1,2-Dichloroethene
Concen: 0.464 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 96 Resp: 2279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.0 | 91.8 | 170.4 |
| 98 | 84.7 | 46.3 | 85.9 |

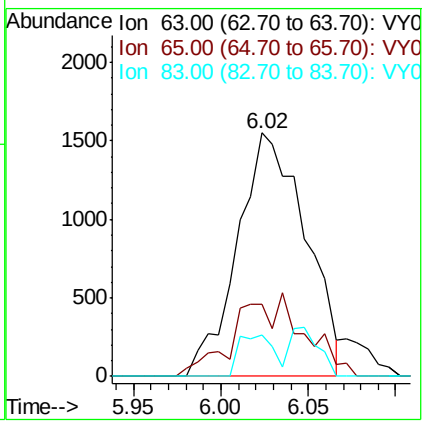





#19
1,1-Dichloroethane
Concen: 0.488 ug/L
RT: 6.02 min Scan# 703
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 63 Resp: 4215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 23.9 | 44.5 |
| 83 | 16.8 | 10.1 | 18.9 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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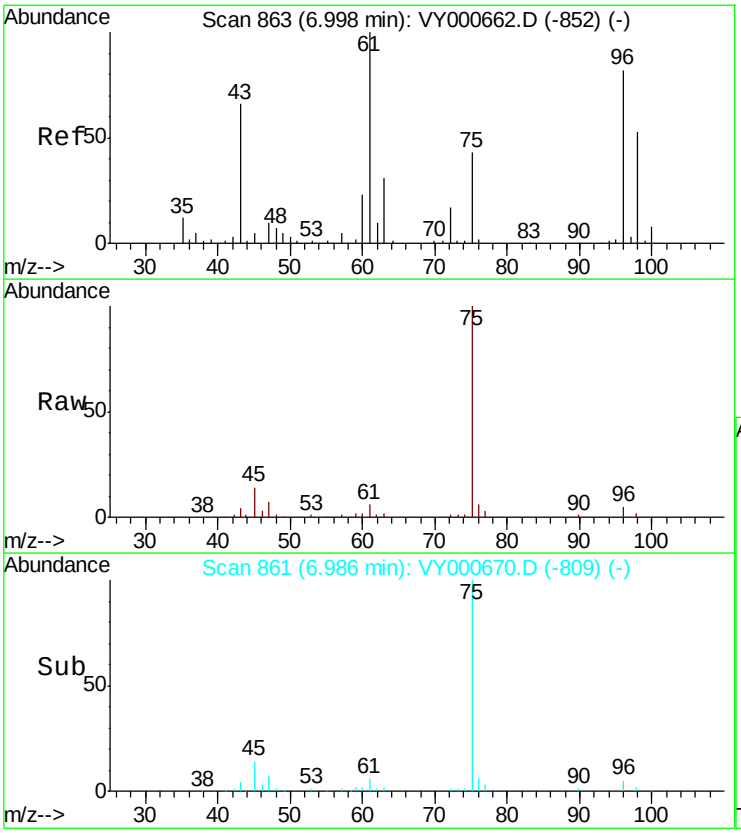
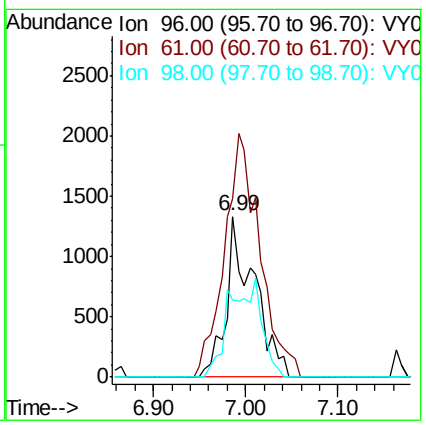
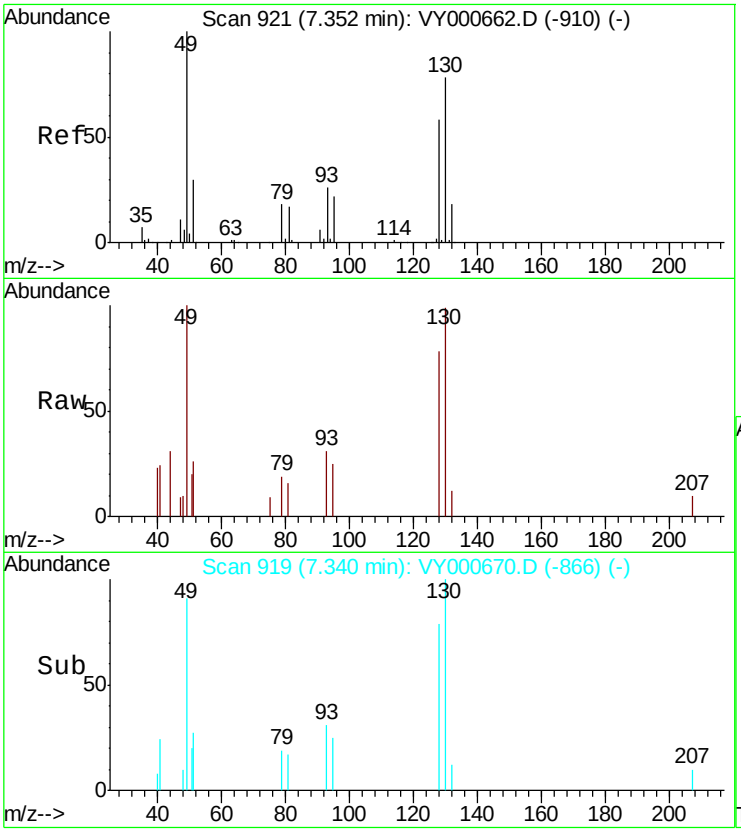



#22
cis-1,2-Dichloroethene
Concen: 0.515 ug/L m
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 96 Resp: 2794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 111.1 | 86.8 | 161.2 |
| 98 | 48.2 | 44.6 | 82.8 |

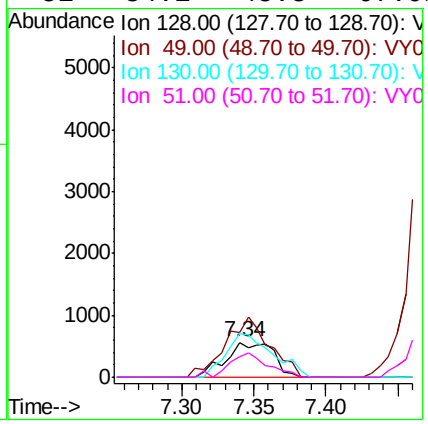





#23
Bromochloromethane
Concen: 0.542 ug/L m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:128 Resp: 1284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 128.8 | 131.5 | 244.3# |
| 130 | 127.1 | 96.7 | 179.5 |
| 51 | 34.1 | 45.3 | 67.9# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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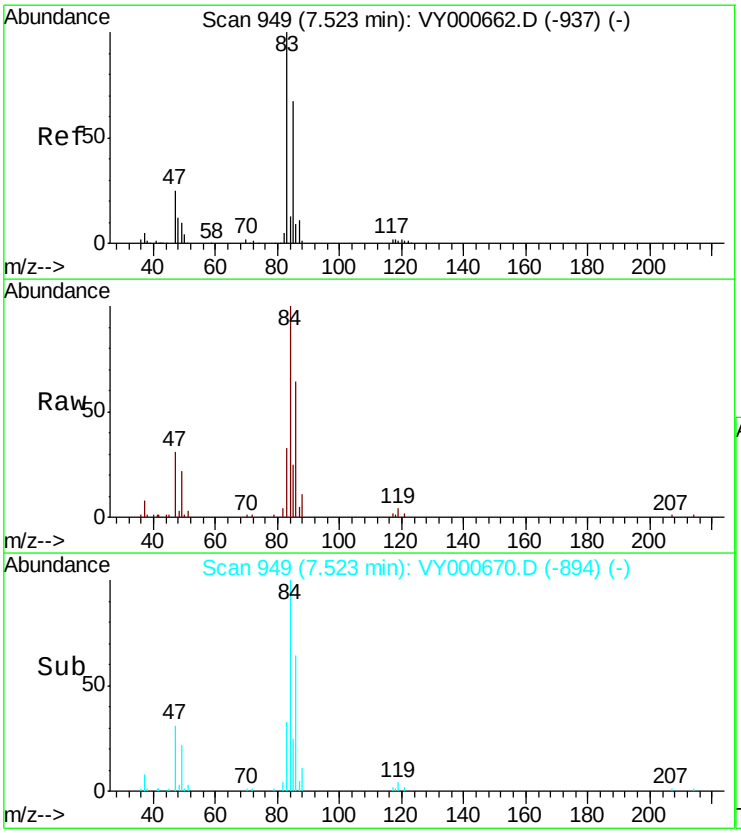
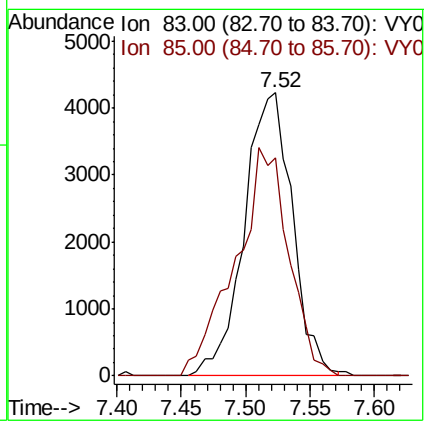
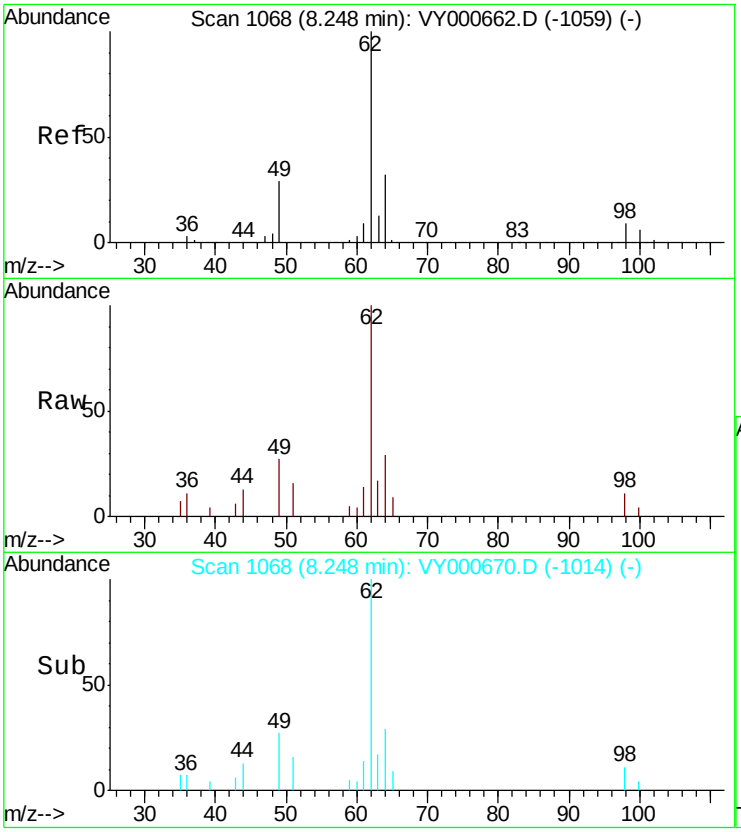



#25
Chloroform
Concen: 1.179 ug/L
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 83 Resp: 10970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 89.0 | 45.6 | 84.6# |






#27
1,2-Dichloroethane
Concen: 0.551 ug/L
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 62 Resp: 3429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.9 | 7.5 | 11.3 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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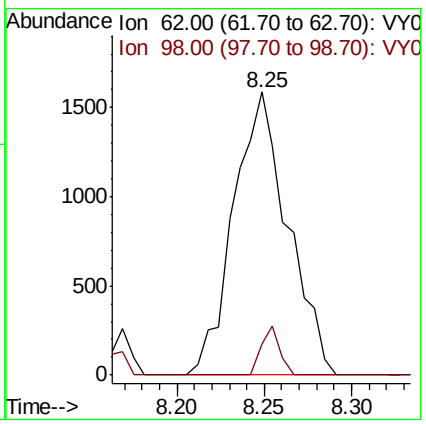
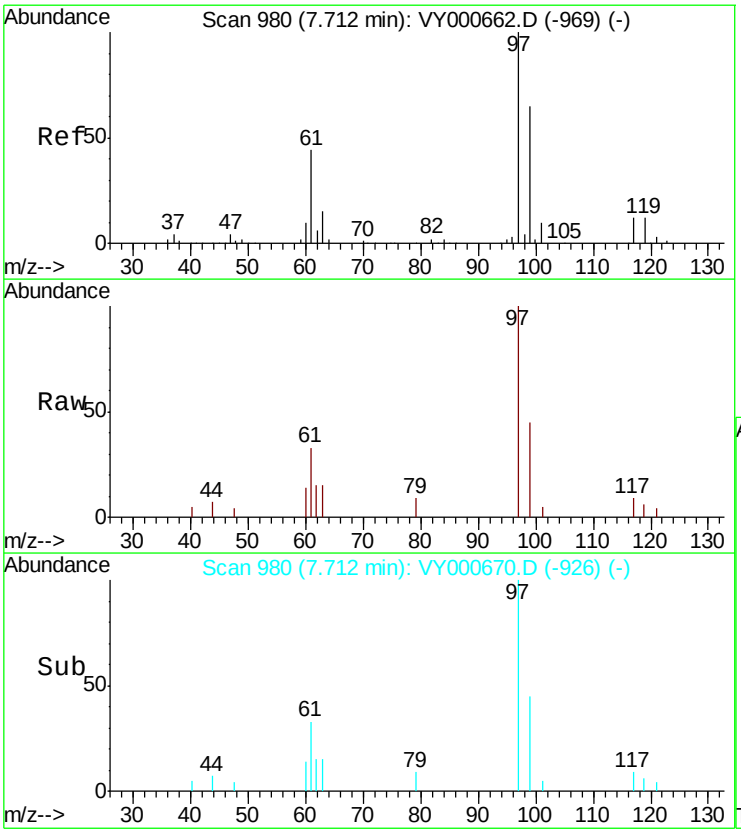
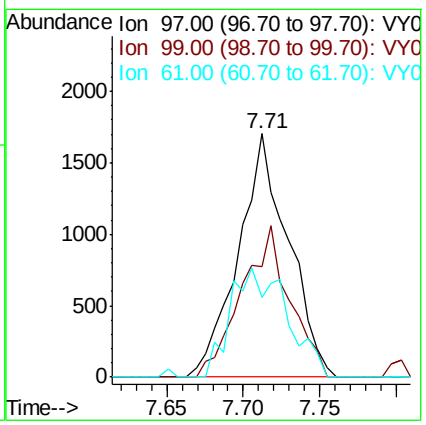


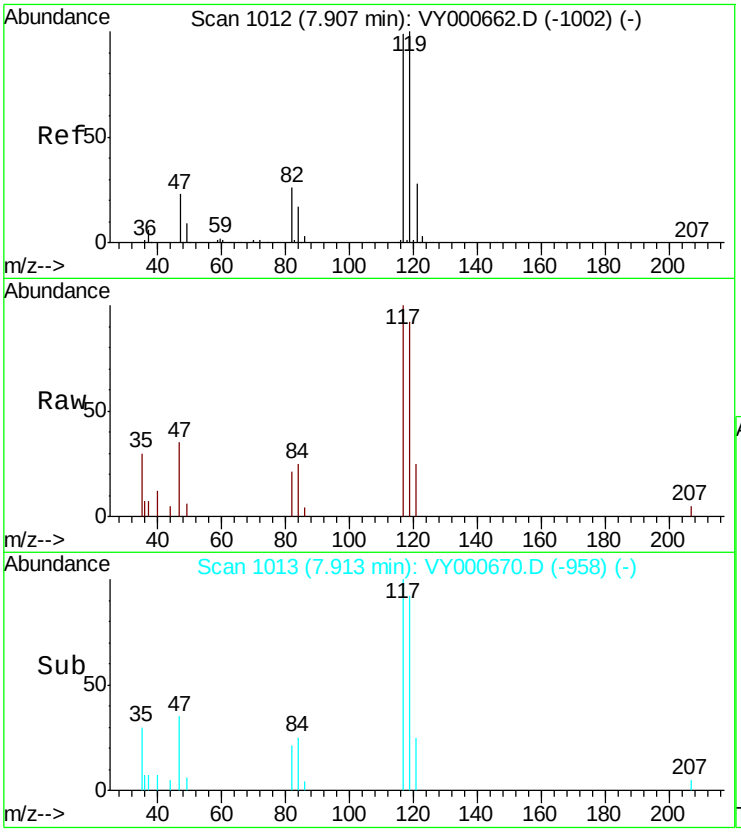




#31
1,1,1-Trichloroethane
Concen: 0.512 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 97 Resp: 3869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.0 | 51.4 | 77.0 |
| 61 | 11.5 | 34.7 | 52.1# |






#32
Carbon tetrachloride
Concen: 0.465 ug/L m
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:117 Resp: 3060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.6 | 76.2 | 114.2# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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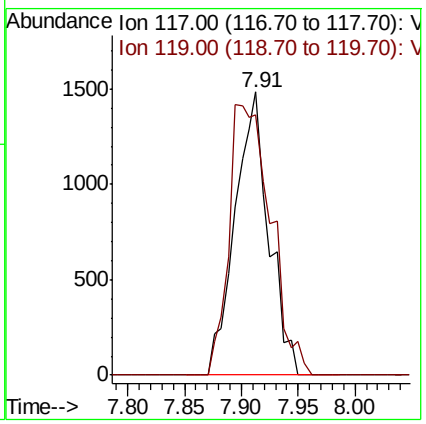
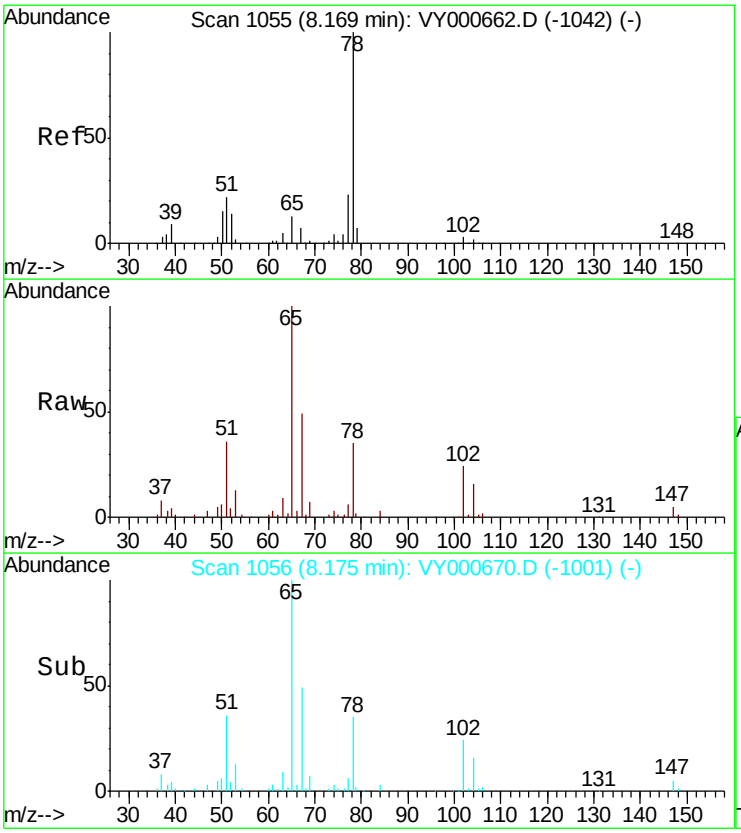
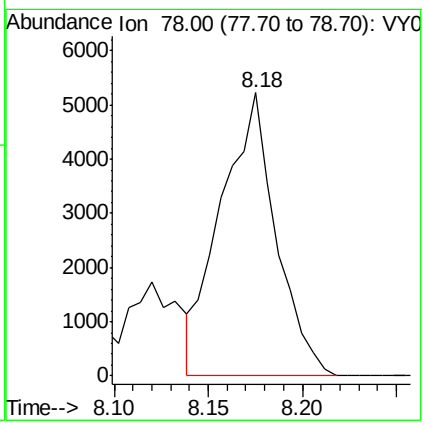
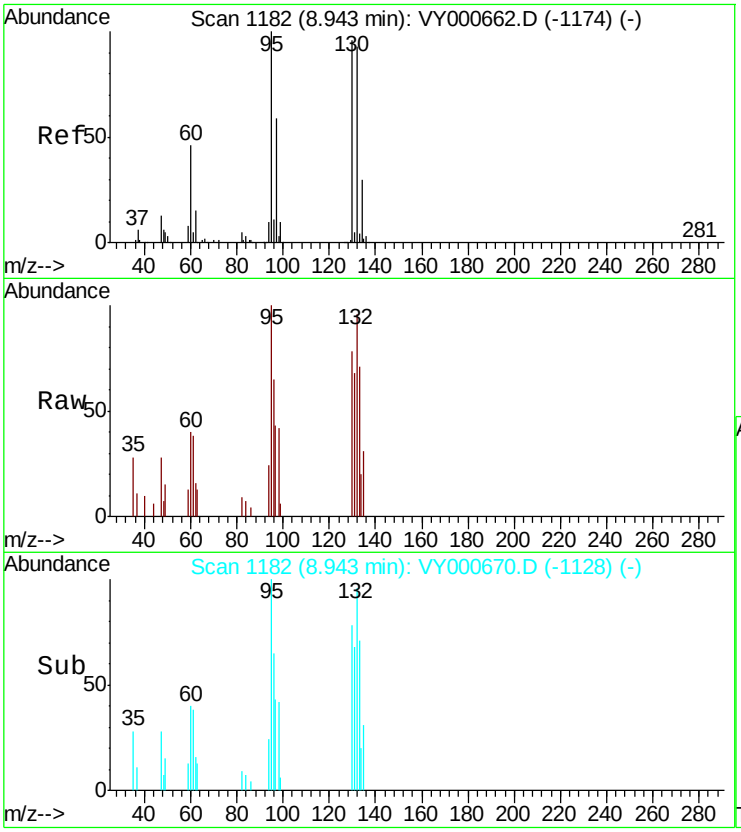



#34
Benzene
Concen: 0.528 ug/L
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 78 Resp: 10578

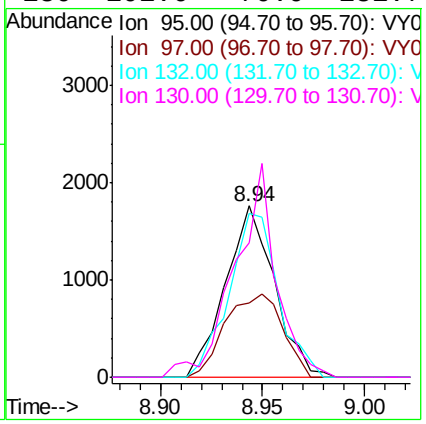





#35
Trichloroethene
Concen: 0.556 ug/L
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 95 Resp: 2919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 57.1 | 44.4 | 82.4 |
| 132 | 97.2 | 66.8 | 124.0 |
| 130 | 101.6 | 70.9 | 131.7 |




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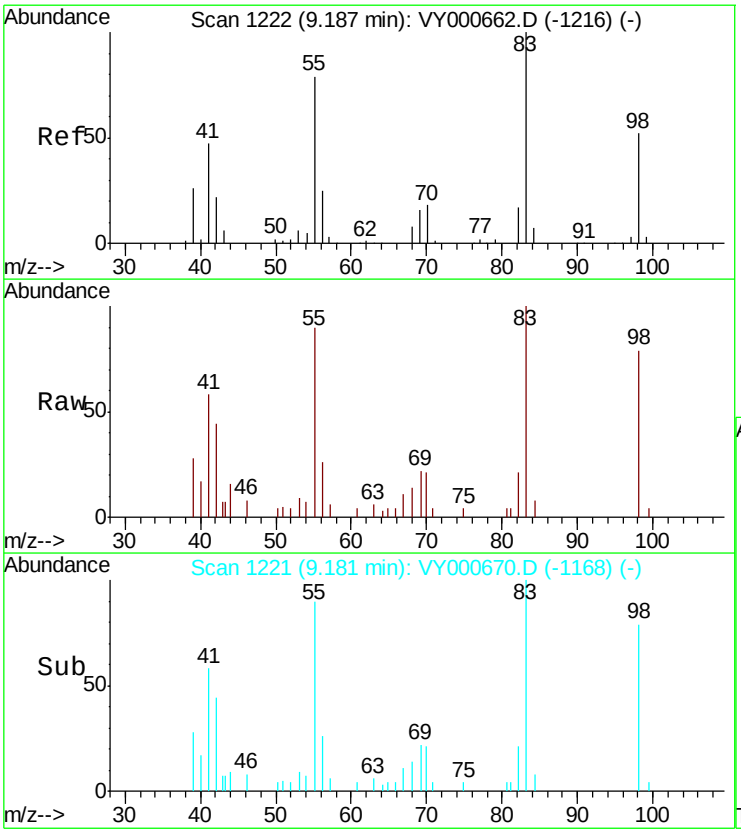
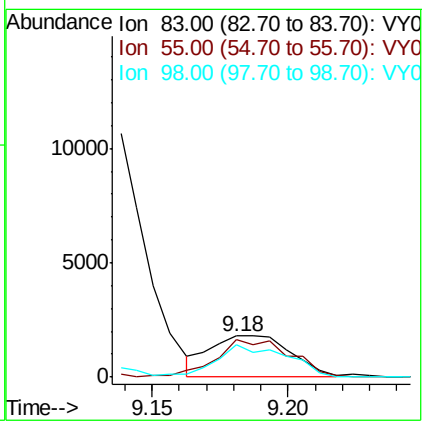
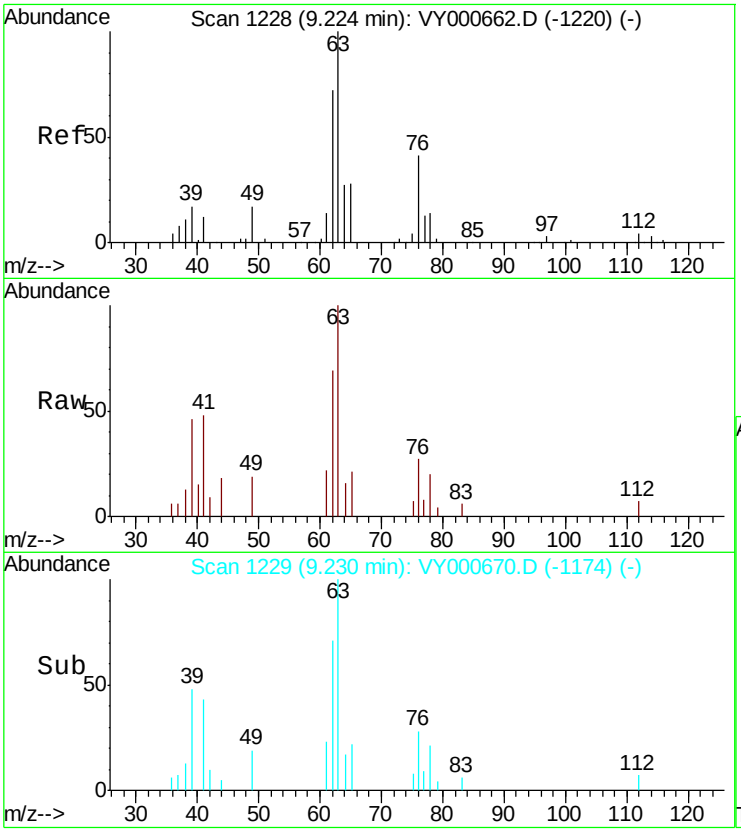



#36
Methylcyclohexane
Concen: 0.415 ug/L
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 83 Resp: 3733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.6 | 60.0 | 90.0 |
| 98 | 69.2 | 40.2 | 60.2# |

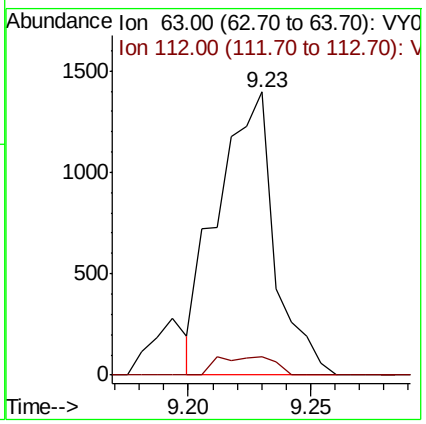





#40
1,2-Dichloropropane
Concen: 0.447 ug/L
RT: 9.23 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 63 Resp: 2268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.9 | 3.2 | 4.8 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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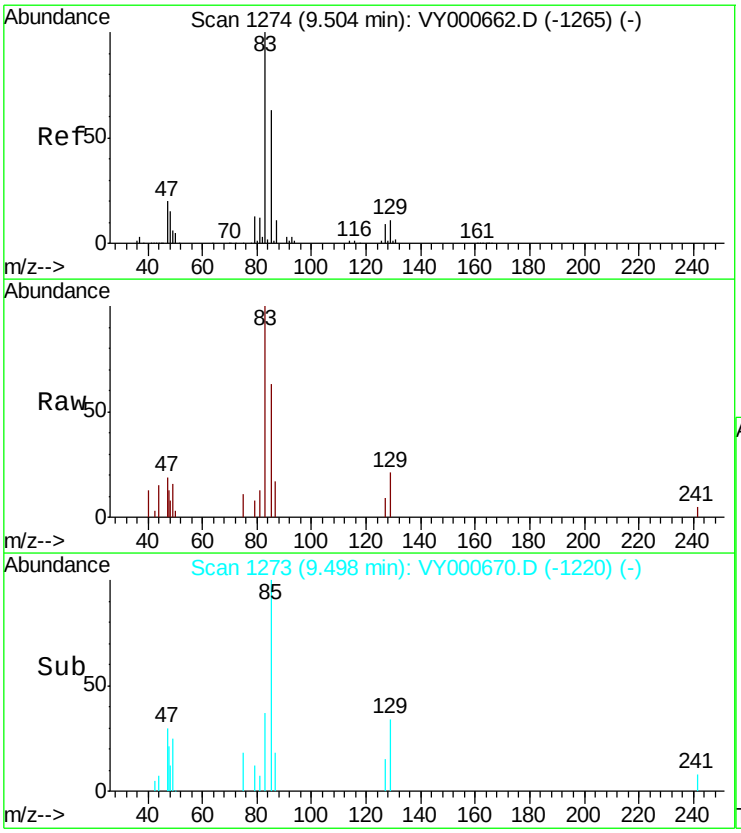
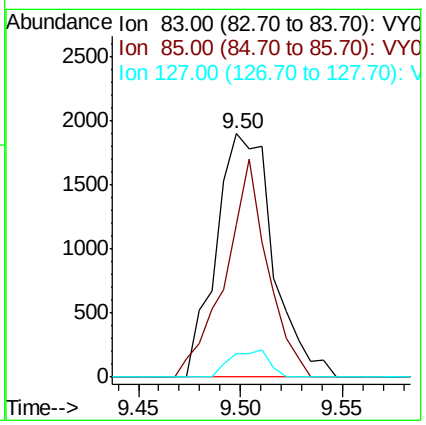
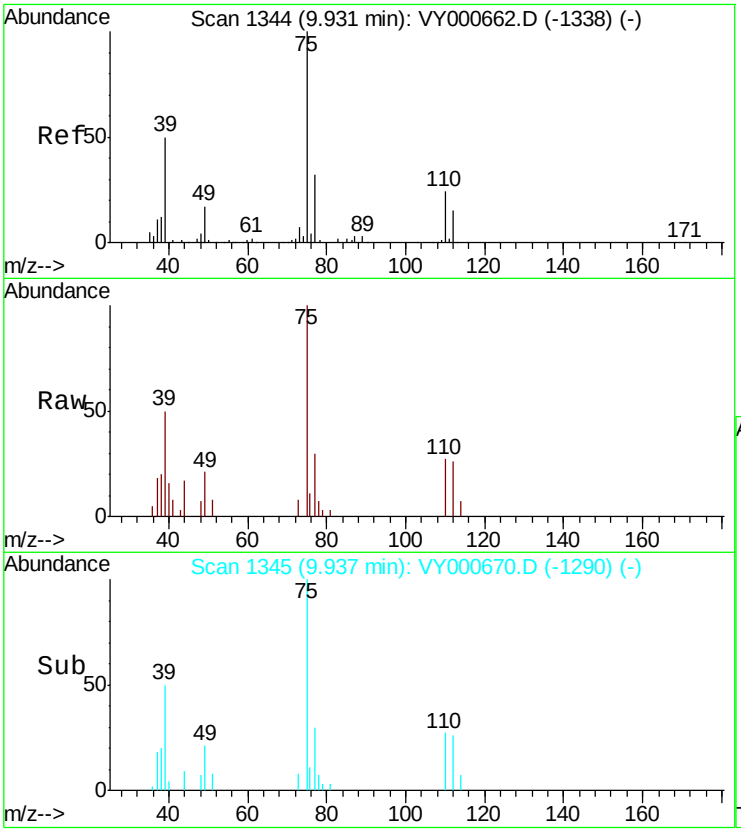



#41
Bromodichloromethane
Concen: 0.562 ug/L
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 83 Resp: 3673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.9 | 46.1 | 85.5 |
| 127 | 9.4 | 6.5 | 9.7 |

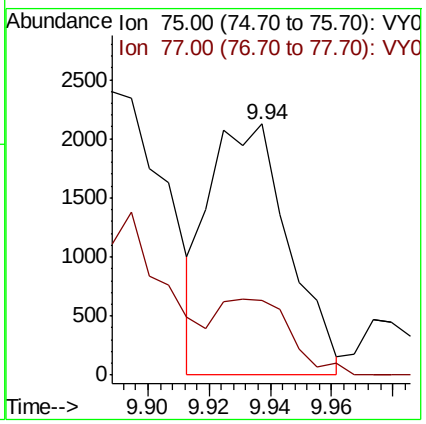





#42
cis-1,3-Dichloropropene
Concen: 0.468 ug/L
RT: 9.94 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 75 Resp: 3830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.6 | 21.7 | 40.3 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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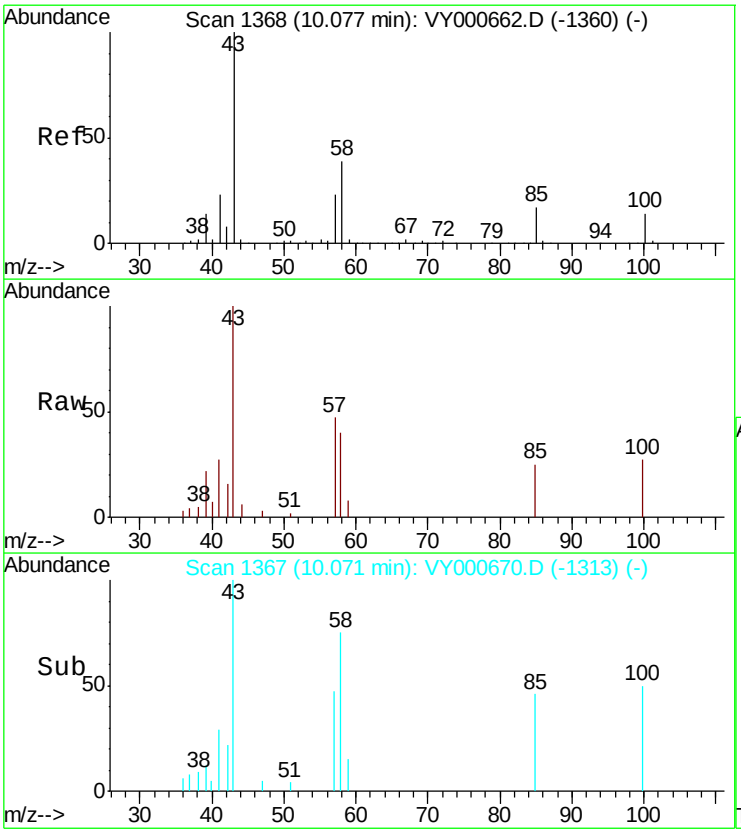
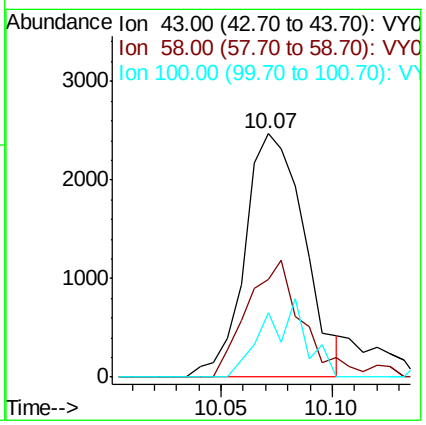
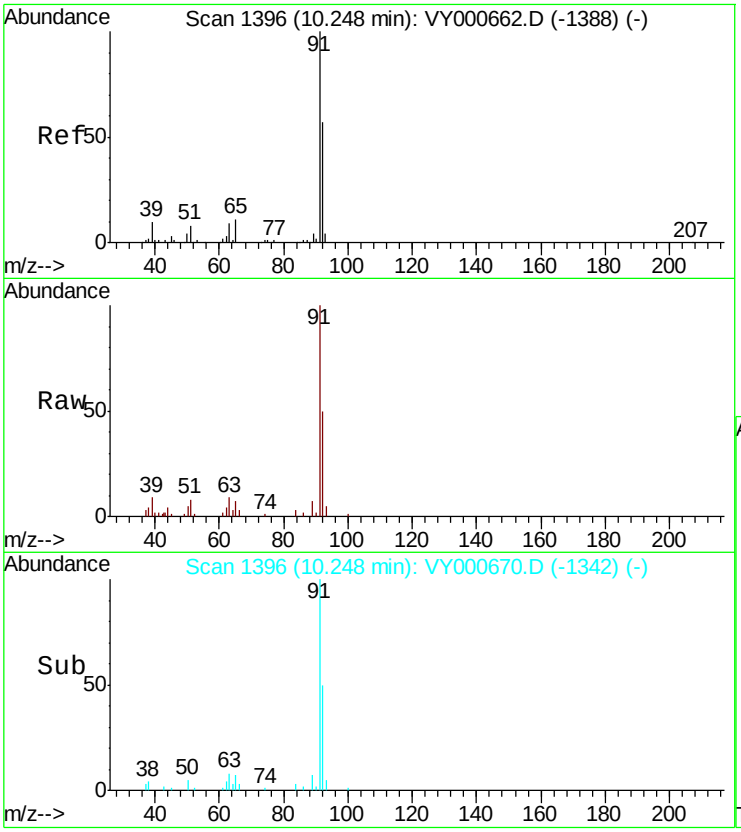



#43
4-Methyl-2-pentanone
Concen: 0.946 ug/L
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 43 Resp: 4594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 30.6 | 45.8# |
| 100 | 12.1 | 12.0 | 18.0 |






#44
Toluene
Concen: 0.515 ug/L
RT: 10.25 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 91 Resp: 11165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 49.6 | 39.5 | 73.4 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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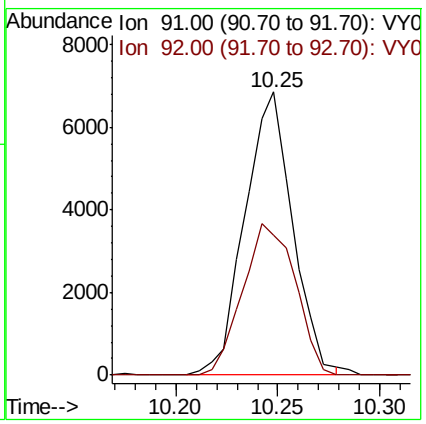
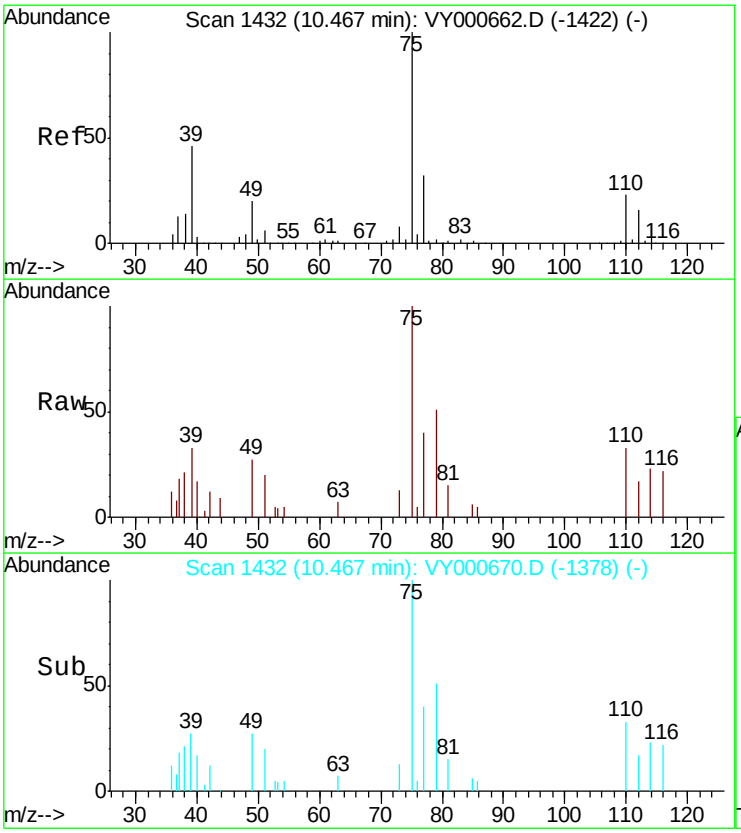
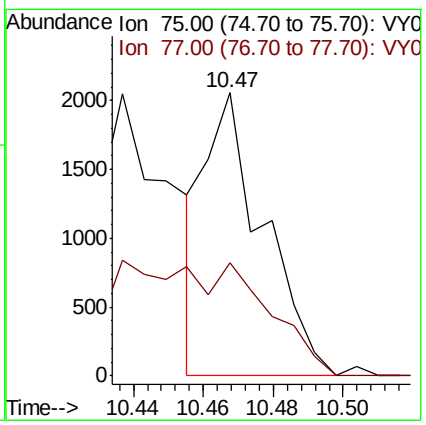


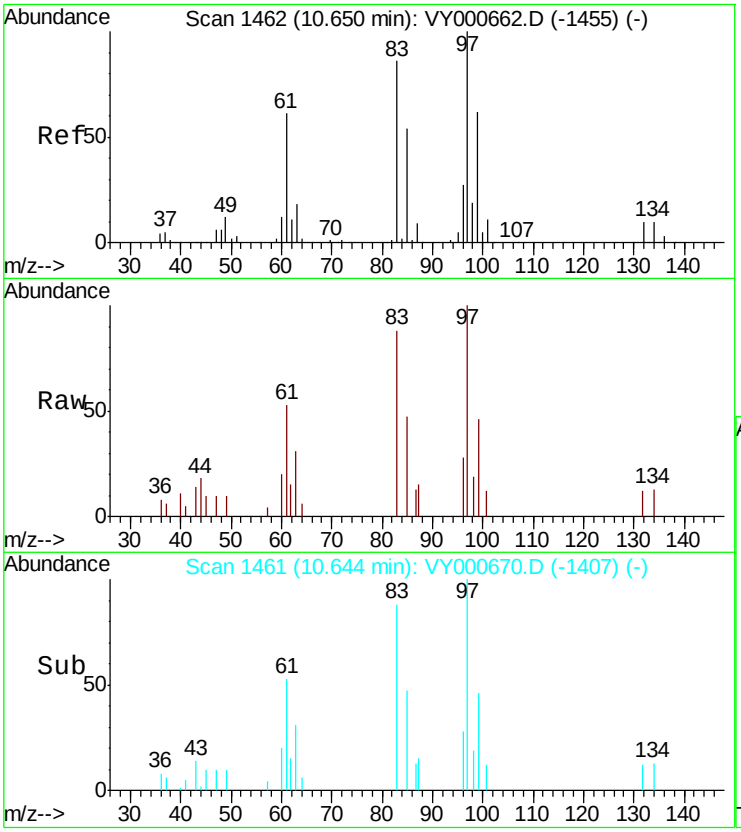




#45
trans-1,3-Dichloropropene
Concen: 0.338 ug/L
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 75 Resp: 2377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.1 | 20.4 | 37.8# |

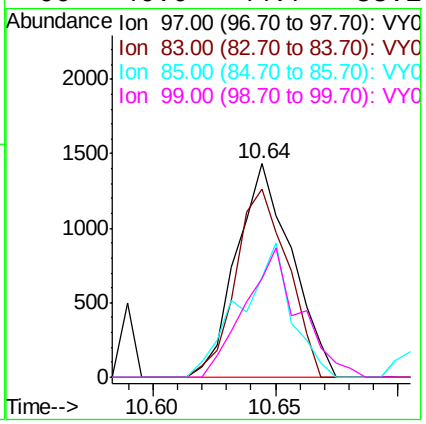





#46
1,1,2-Trichloroethane
Concen: 0.541 ug/L
RT: 10.64 min Scan# 1461
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 97 Resp: 2255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.1 | 58.7 | 109.1 |
| 85 | 46.9 | 37.3 | 69.3 |
| 99 | 46.0 | 44.7 | 83.1 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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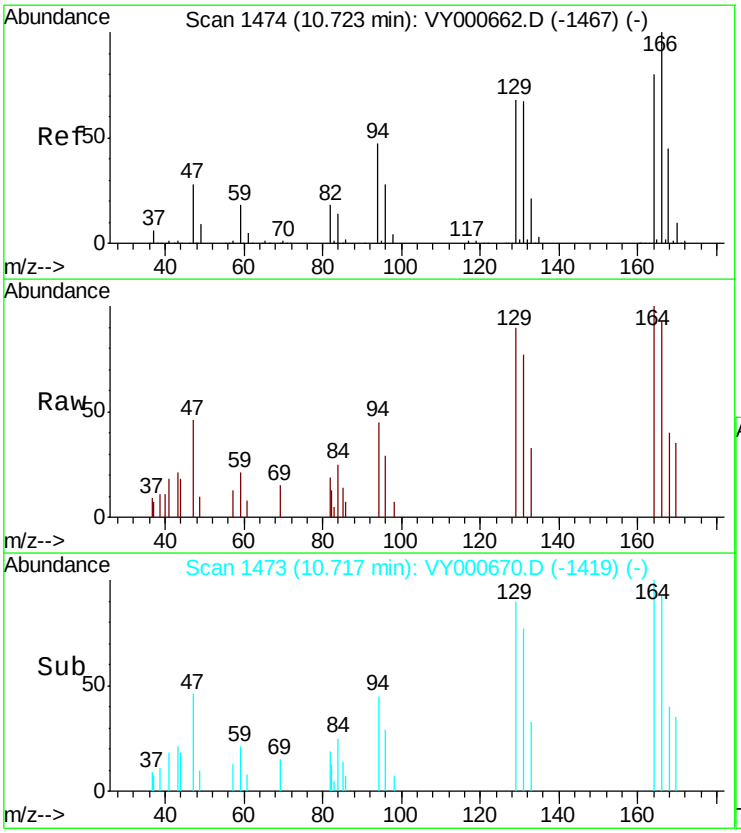
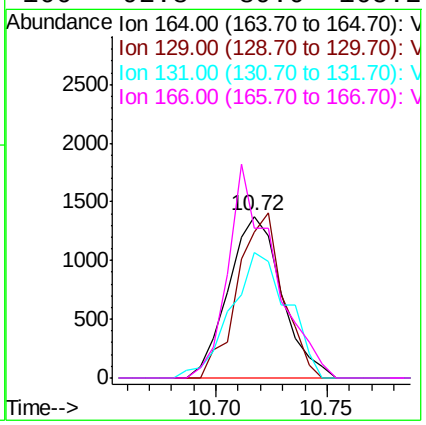
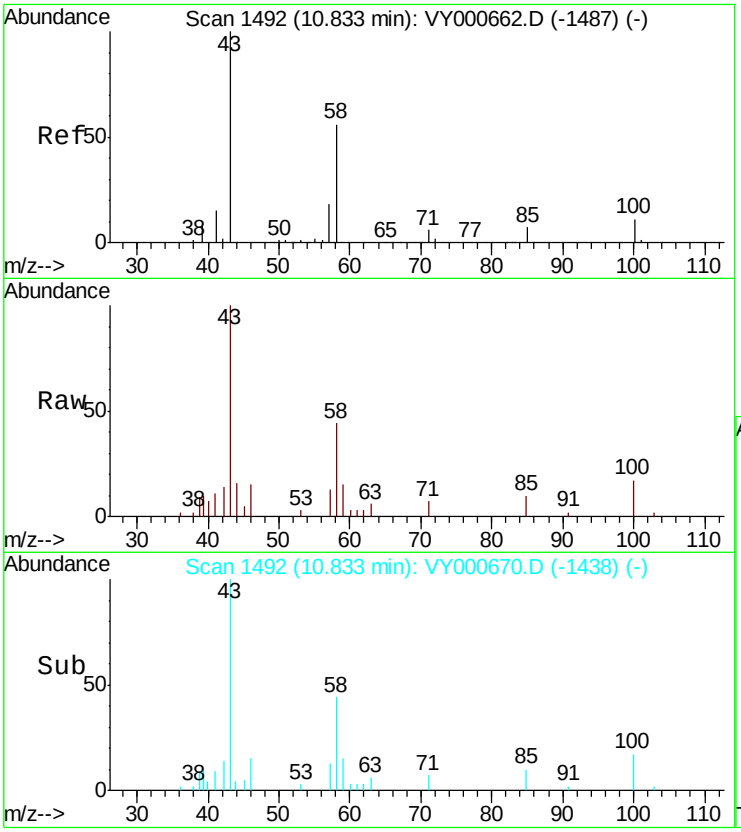



#47
Tetrachloroethene
Concen: 0.586 ug/L
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:164 Resp: 2299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.0 | 69.6 | 129.2 |
| 131 | 77.5 | 66.8 | 124.2 |
| 166 | 92.8 | 89.0 | 165.2 |

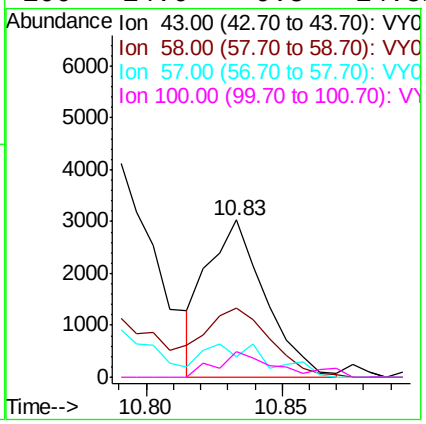





#49
2-Hexanone
Concen: 1.191 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 43 Resp: 4506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.5 | 44.1 | 66.1 |
| 57 | 12.6 | 13.9 | 20.9# |
| 100 | 14.6 | 9.5 | 14.3# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
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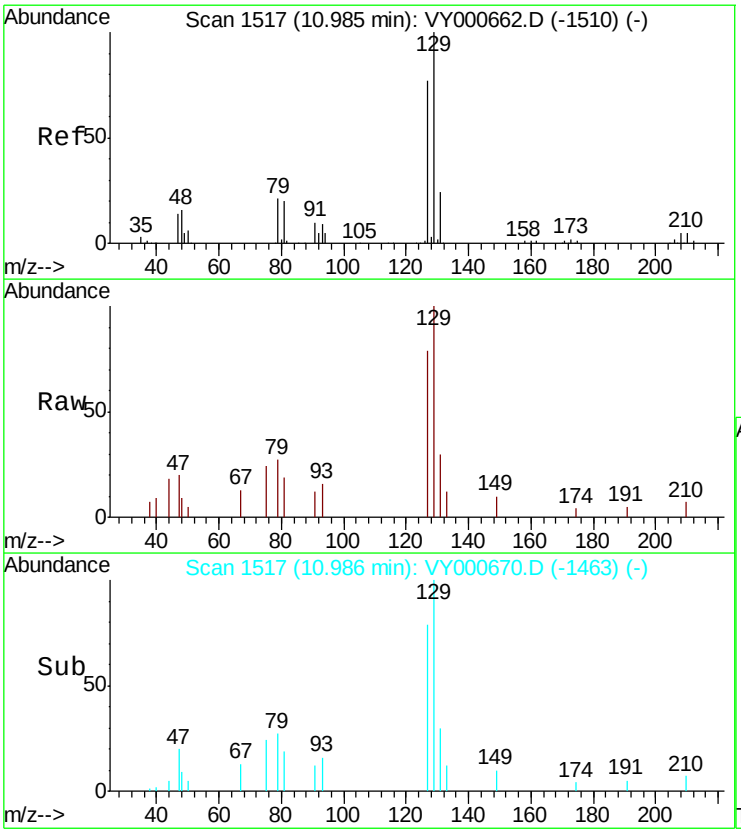
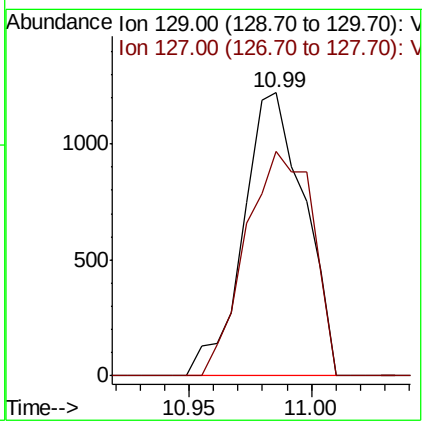
11/19/2019 11:59:50 AM

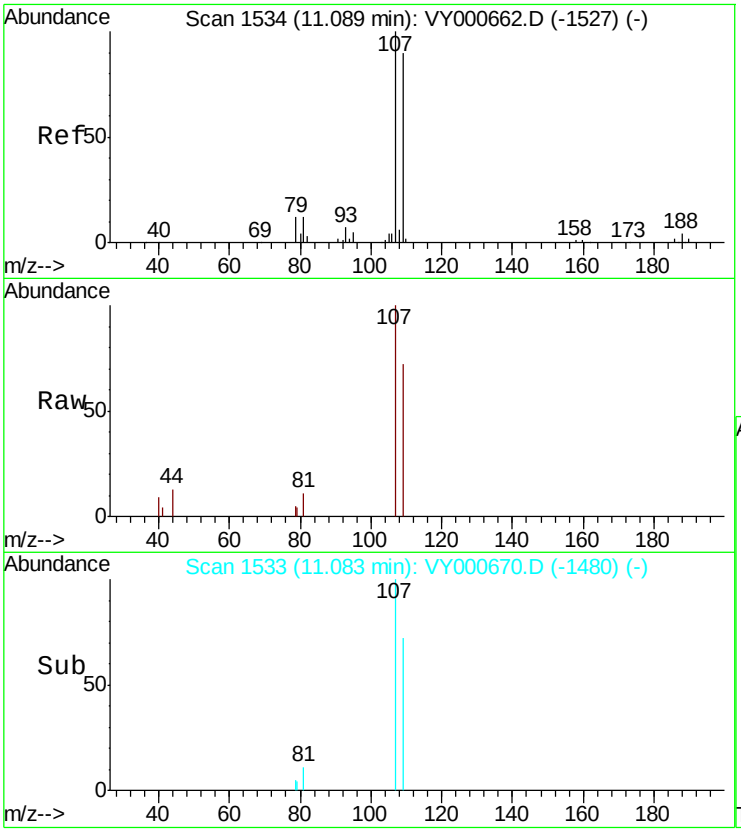



#50
Dibromochloromethane
Concen: 0.452 ug/L
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:129 Resp: 2126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.4 | 57.9 | 107.5 |

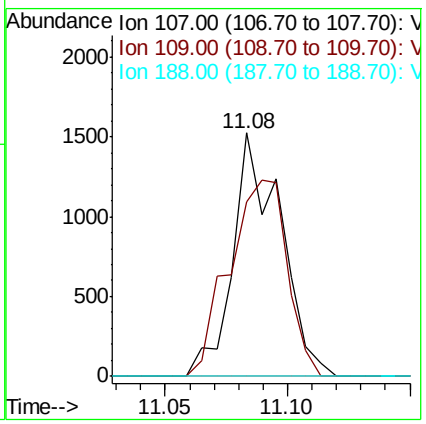





#51
1,2-Dibromoethane
Concen: 0.508 ug/L
RT: 11.08 min Scan# 1533
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:107 Resp: 2061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 71.9 | 65.5 | 121.6 |
| 188 | 0.0 | 2.7 | 4.1# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
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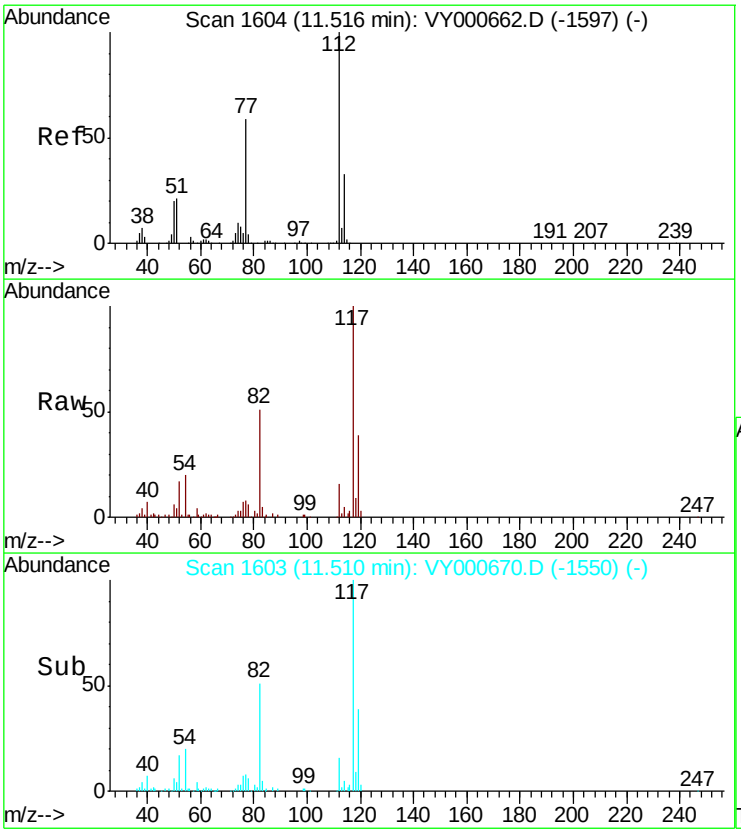
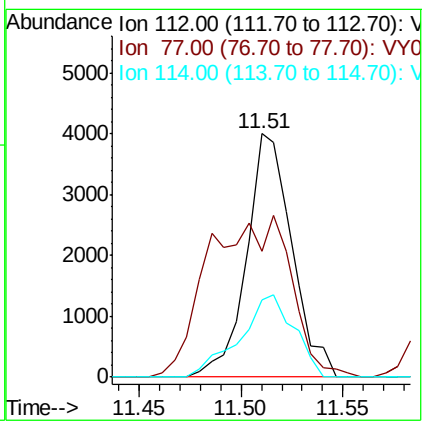
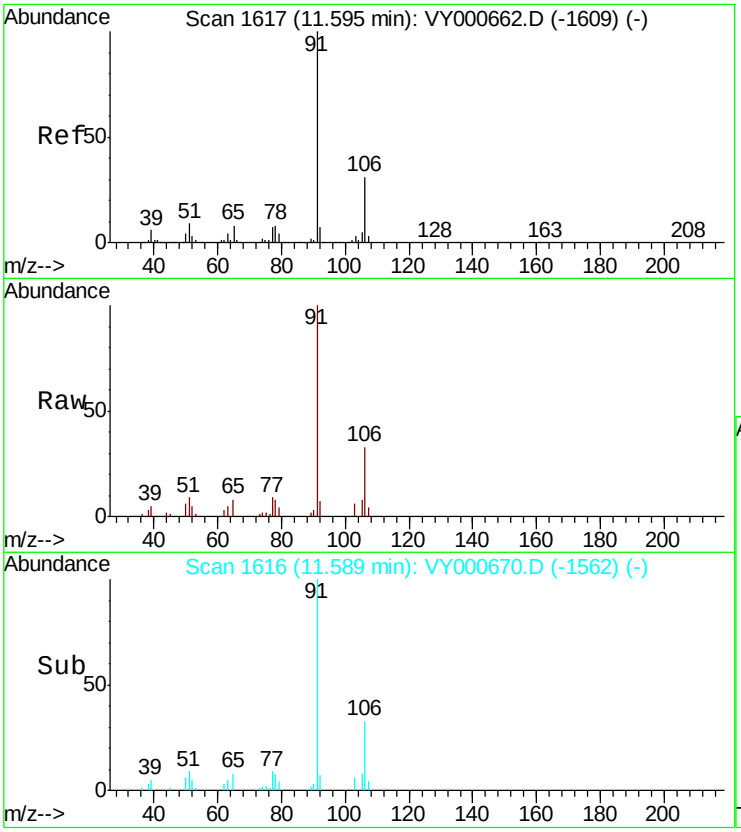



#52
Chlorobenzene
Concen: 0.451 ug/L
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:112 Resp: 6201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 51.5 | 47.4 | 71.0 |
| 114 | 31.9 | 23.0 | 42.6 |






#53
Ethylbenzene
Concen: 0.477 ug/L
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 91 Resp: 11686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.6 | 20.9 | 38.7 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
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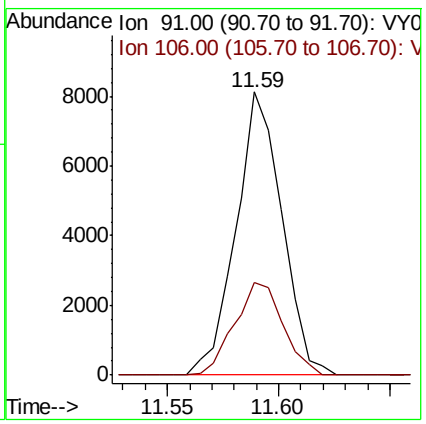
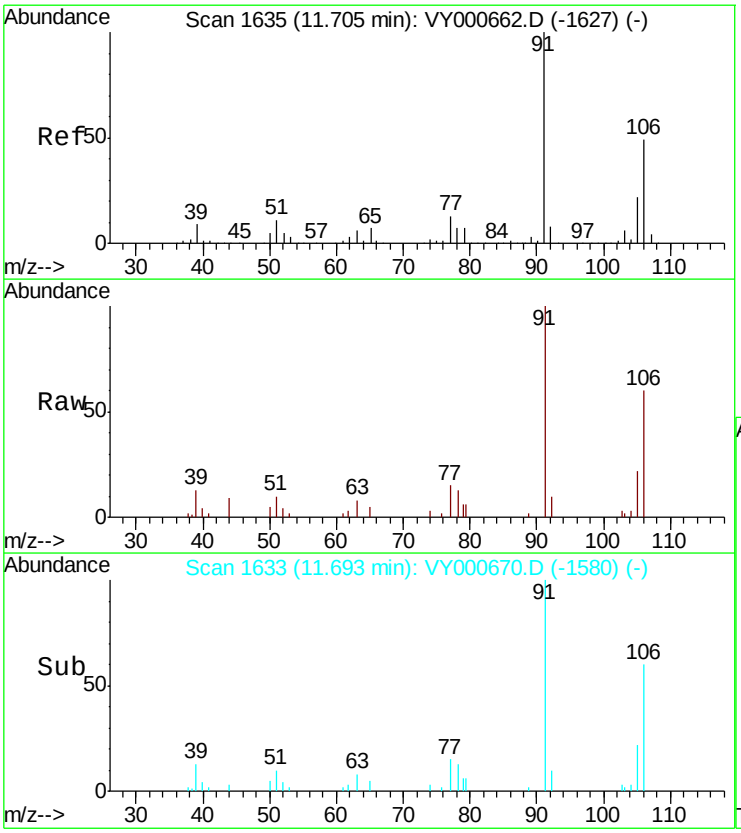
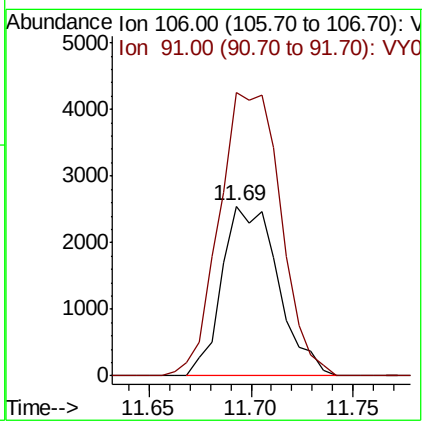


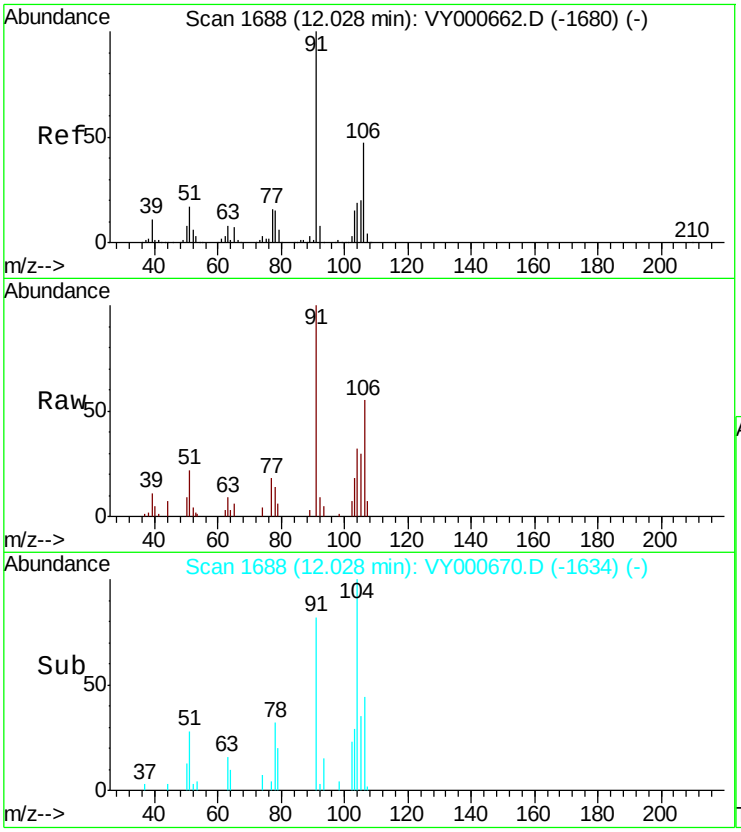




#54
m,p-Xylene
Concen: 0.524 ug/L
RT: 11.69 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:106 Resp: 4857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 166.7 | 137.4 | 255.2 |






#55
o-xylene
Concen: 0.516 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:106 Resp: 4700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 182.4 | 147.8 | 274.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
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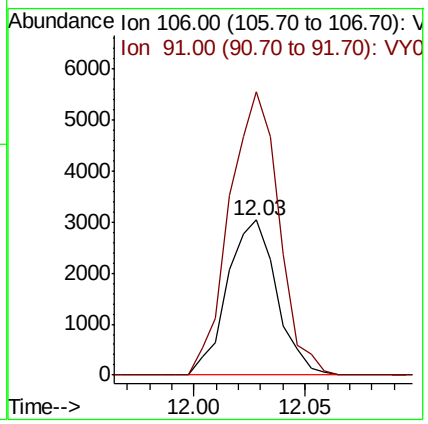
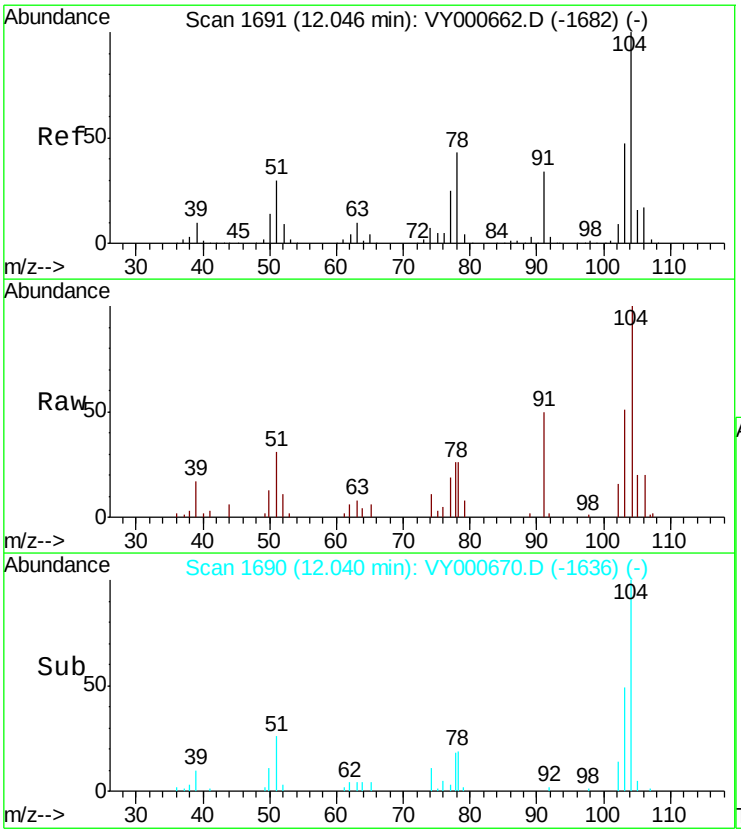
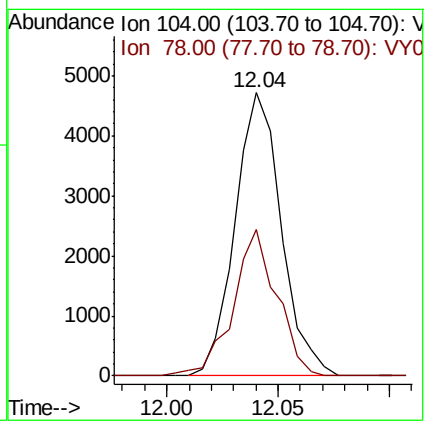


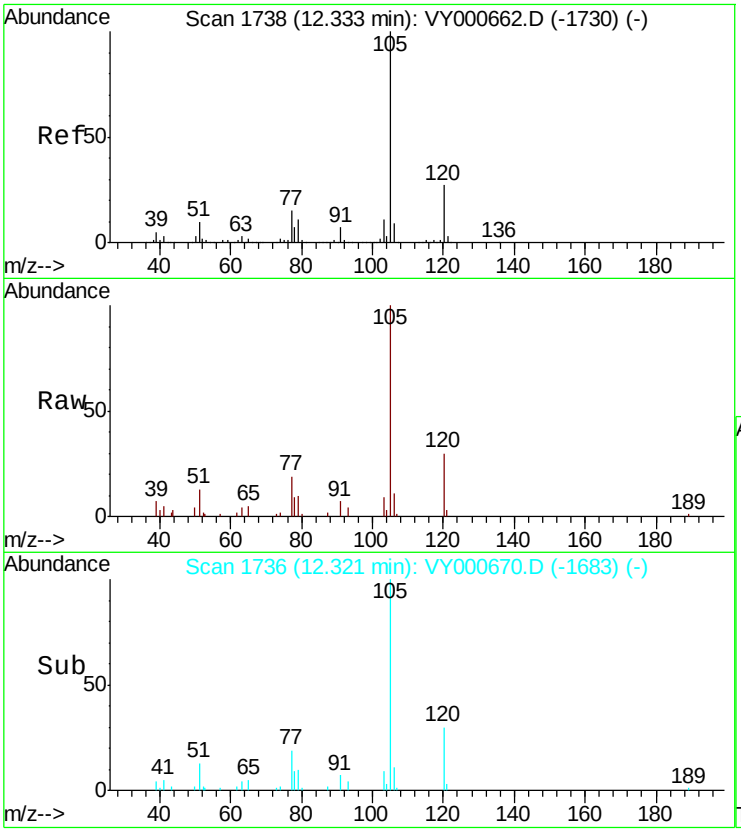




#56
Styrene
Concen: 0.452 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:104 Resp: 6831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.5 | 31.5 | 58.5 |

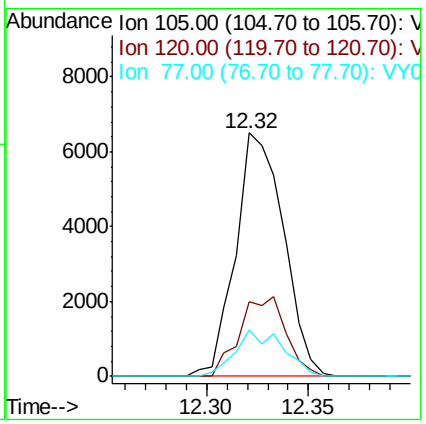





#57
Isopropylbenzene
Concen: 0.449 ug/L
RT: 12.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:105 Resp: 10629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 31.7 | 21.5 | 32.3 |
| 77 | 18.9 | 12.6 | 19.0 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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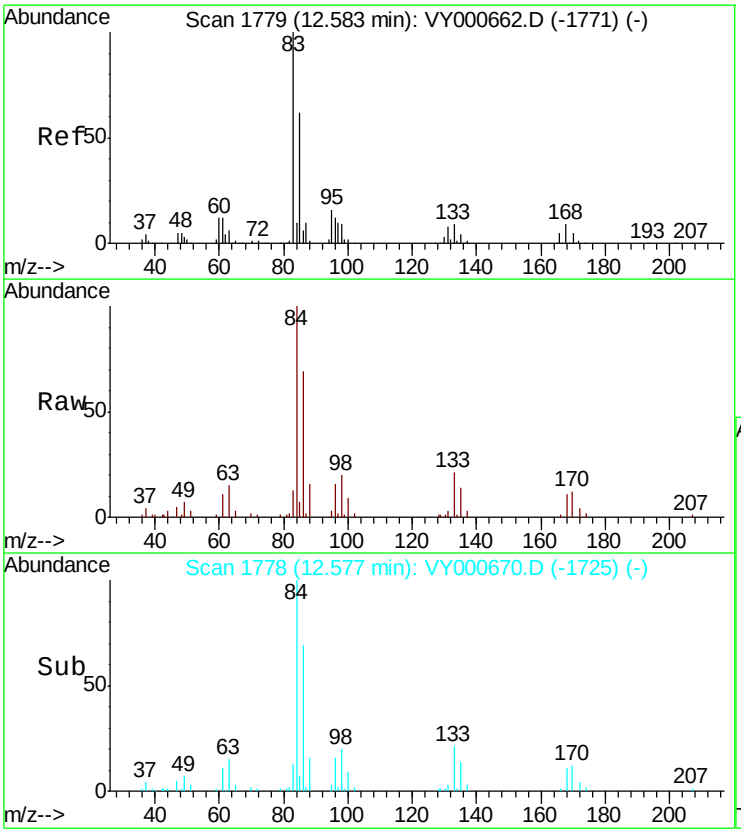
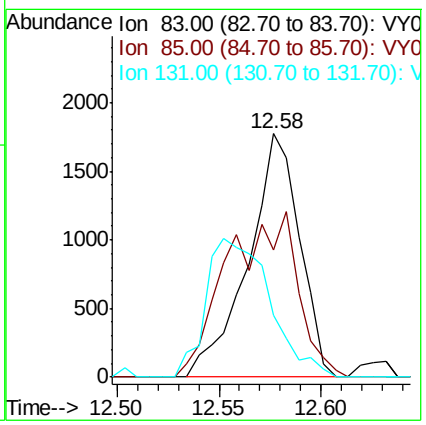
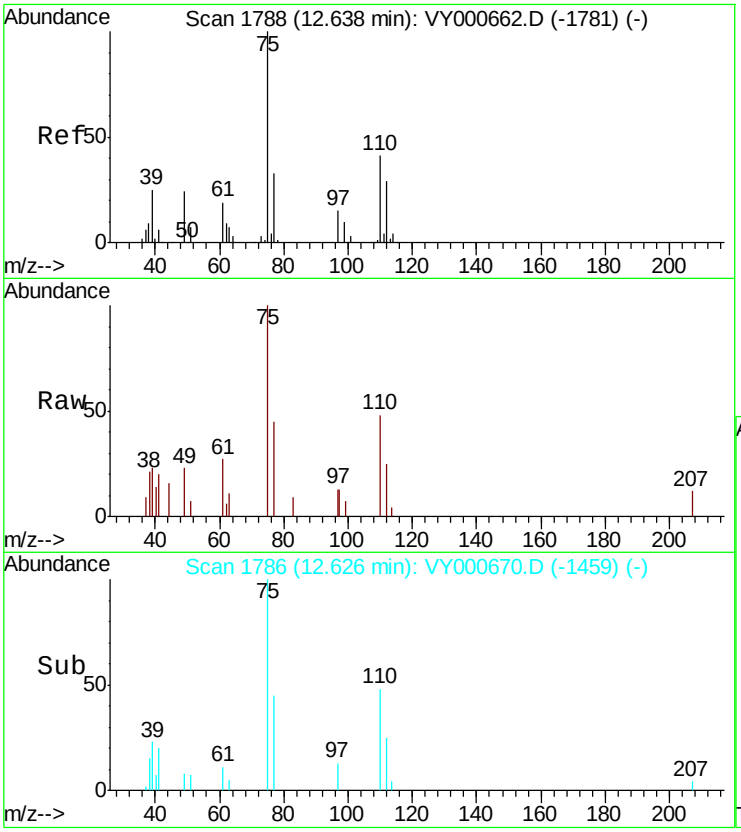



#58
1,1,2,2-Tetrachloroethane
Concen: 0.599 ug/L
RT: 12.58 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 83 Resp: 3115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 52.4 | 45.0 | 83.6 |
| 131 | 25.2 | 7.8 | 11.6# |






#59
1,2,3-Trichloropropane
Concen: 0.442 ug/L
RT: 12.63 min Scan# 1786
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 75 Resp: 1868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 26.4 | 39.6 |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
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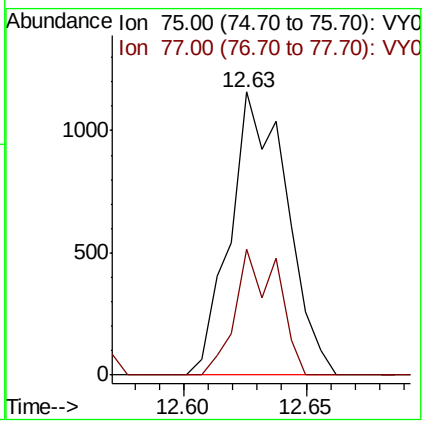
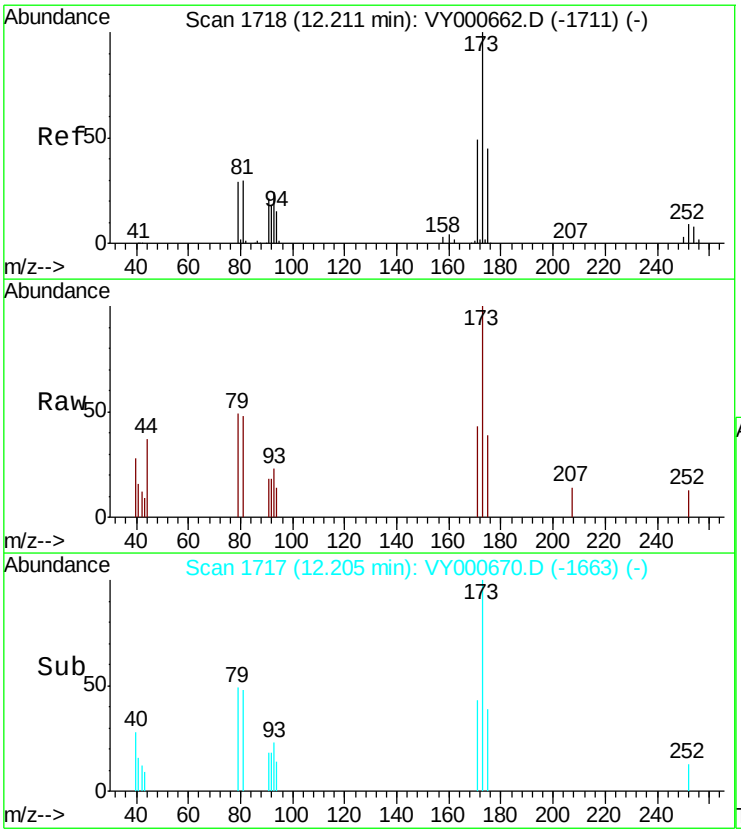
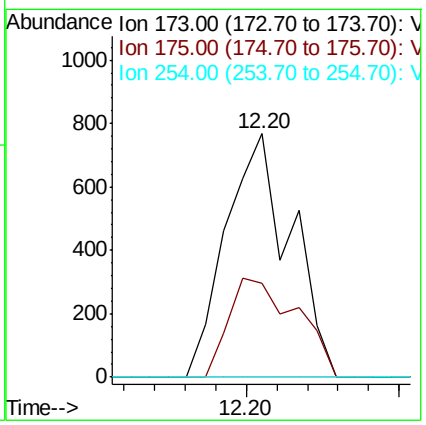


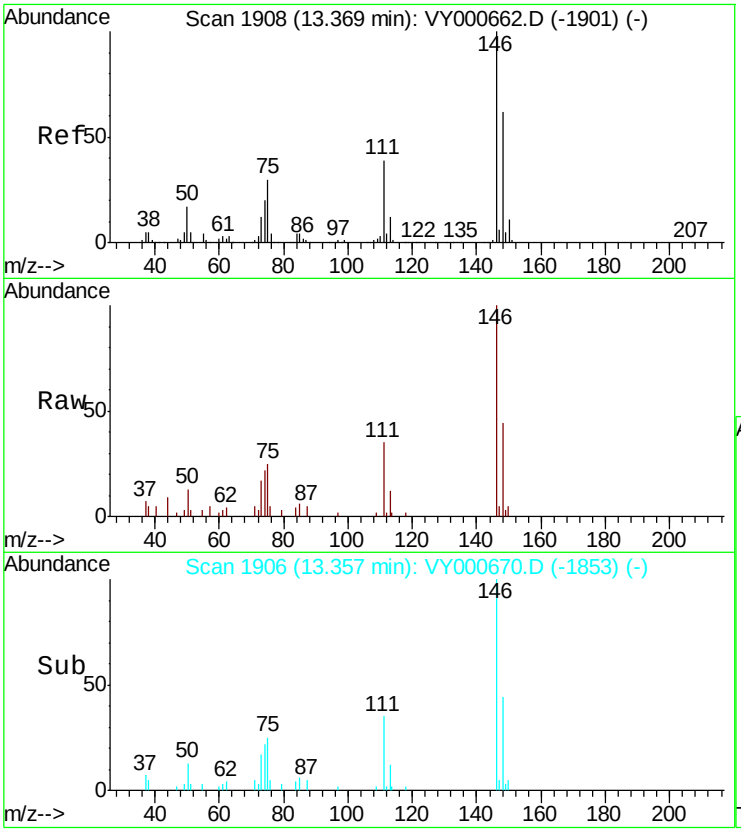




#62
Bromoform
Concen: 0.421 ug/L
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:173 Resp: 1128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 42.6 | 37.8 | 56.6 |
| 254 | 0.0 | 7.7 | 11.5# |






#63
1,3-Dichlorobenzene
Concen: 0.512 ug/L
RT: 13.36 min Scan# 1906
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:146 Resp: 5147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.7 | 28.8 | 53.6 |
| 148 | 43.9 | 44.3 | 82.3# |

**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
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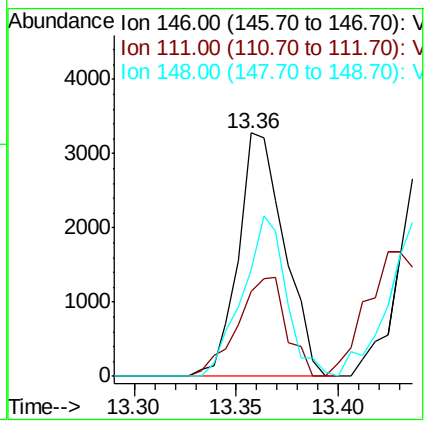
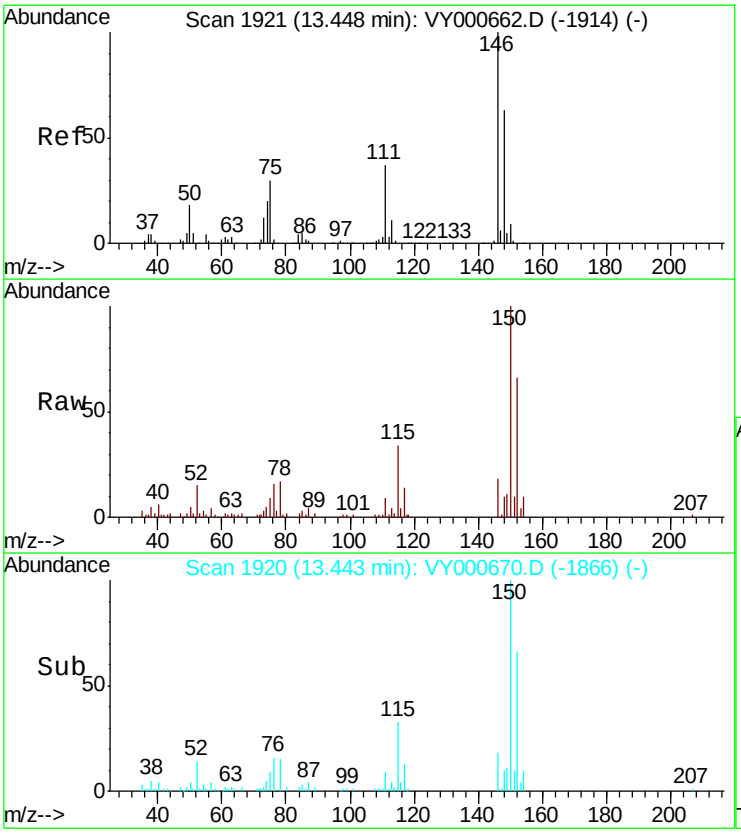
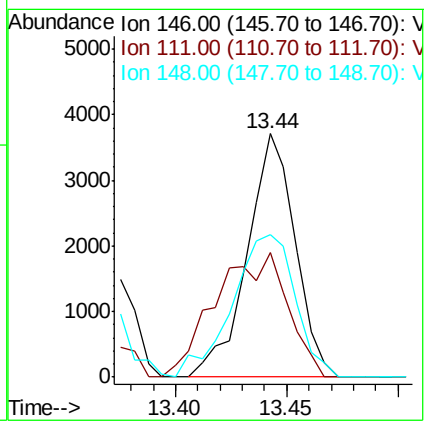


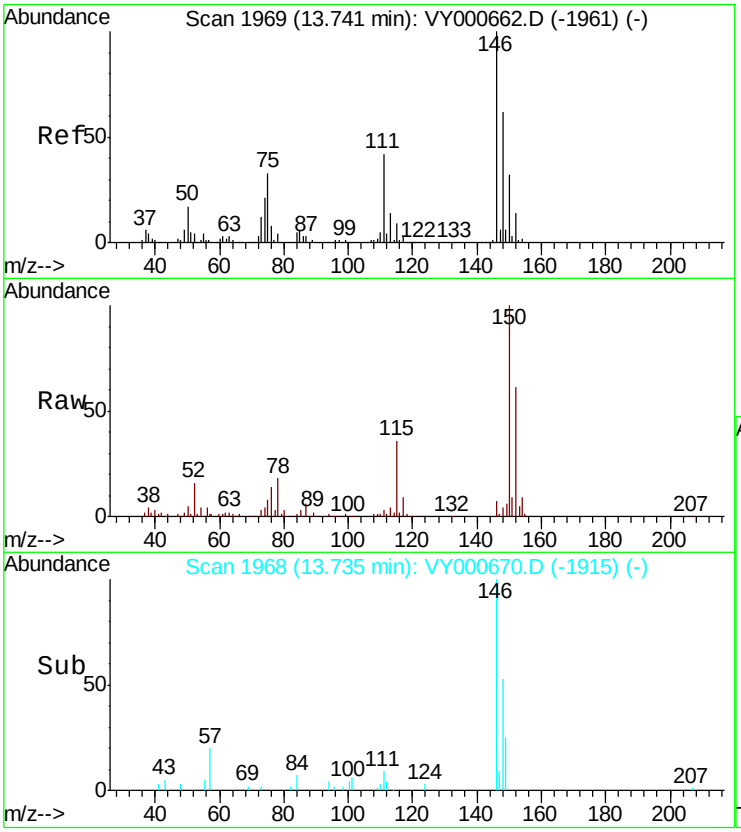




#64
1,4-Dichlorobenzene
Concen: 0.555 ug/L
RT: 13.44 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:146 Resp: 5575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 51.4 | 26.7 | 49.5# |
| 148 | 58.5 | 45.2 | 84.0 |

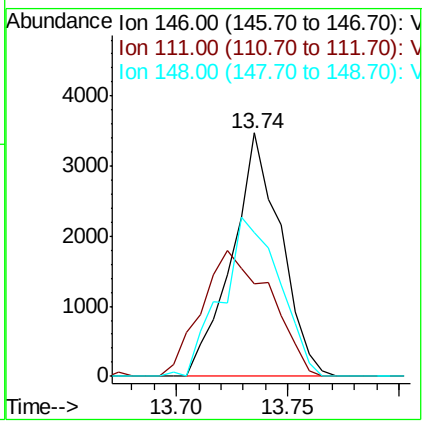





#65
1,2-Dichlorobenzene
Concen: 0.568 ug/L
RT: 13.74 min Scan# 1968
Delta R.T. -0.01 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:146 Resp: 5289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 33.8 | 50.8 |
| 148 | 59.1 | 51.0 | 76.6 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

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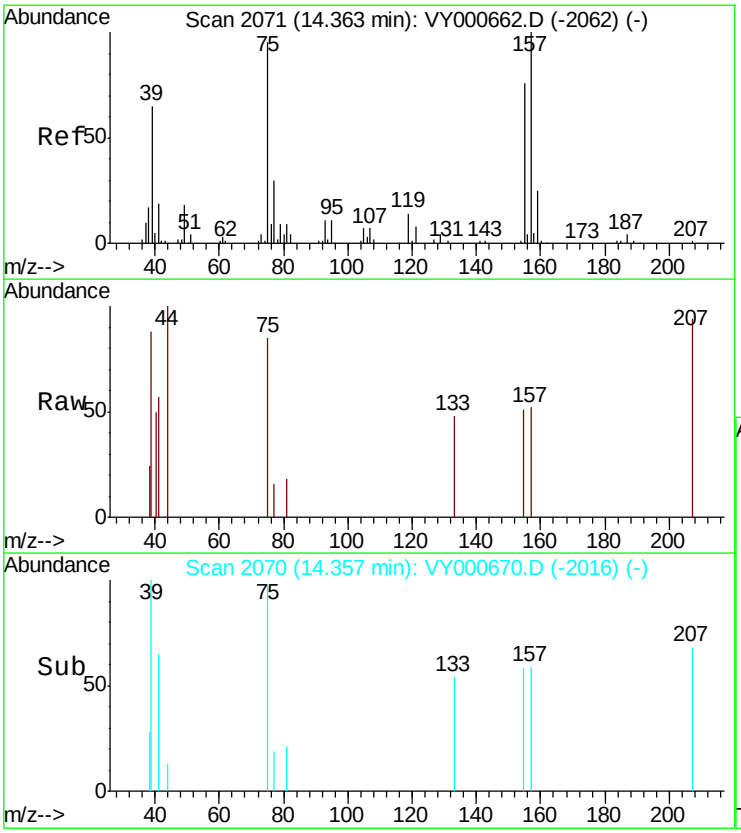
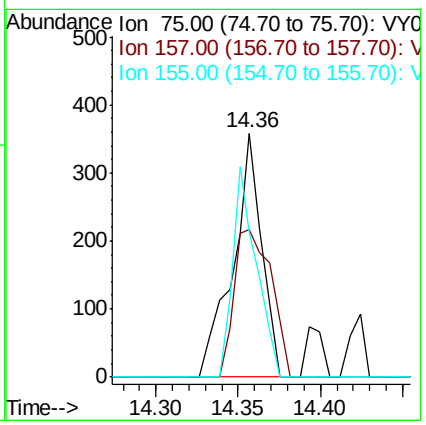
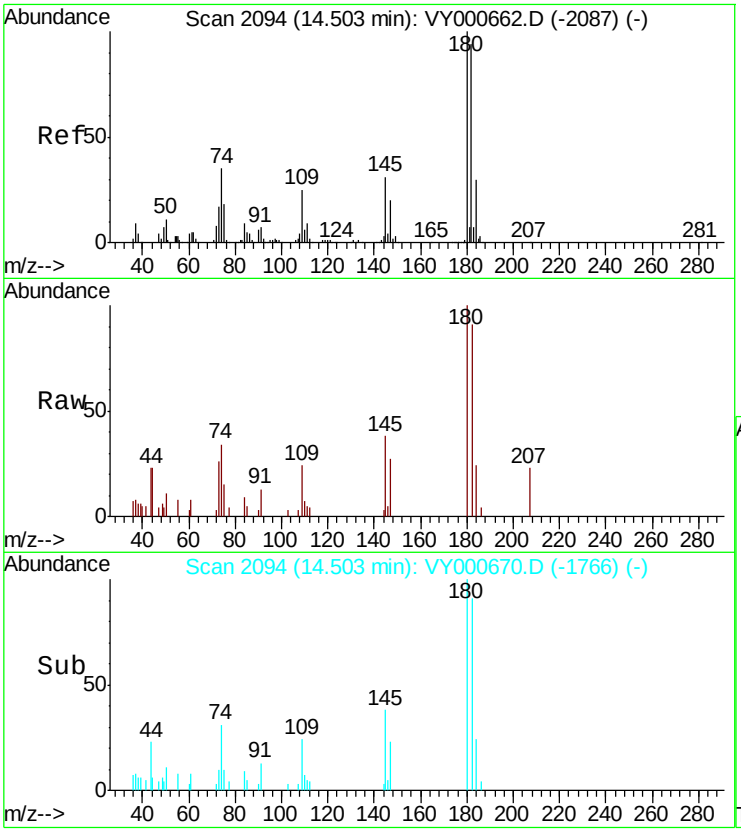



#66
1,2-Dibromo-3-chloropropane
Concen: 0.552 ug/L m
RT: 14.36 min Scan# 2070
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion: 75 Resp: 488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 60.6 | 78.1 | 117.1# |
| 155 | 59.8 | 64.2 | 96.4# |

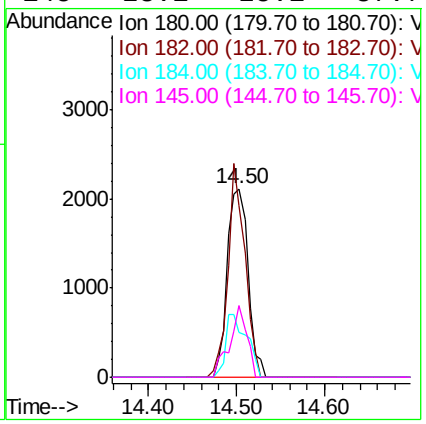





#67
1,3,5-Trichlorobenzene
Concen: 0.496 ug/L m
RT: 14.50 min Scan# 2094
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

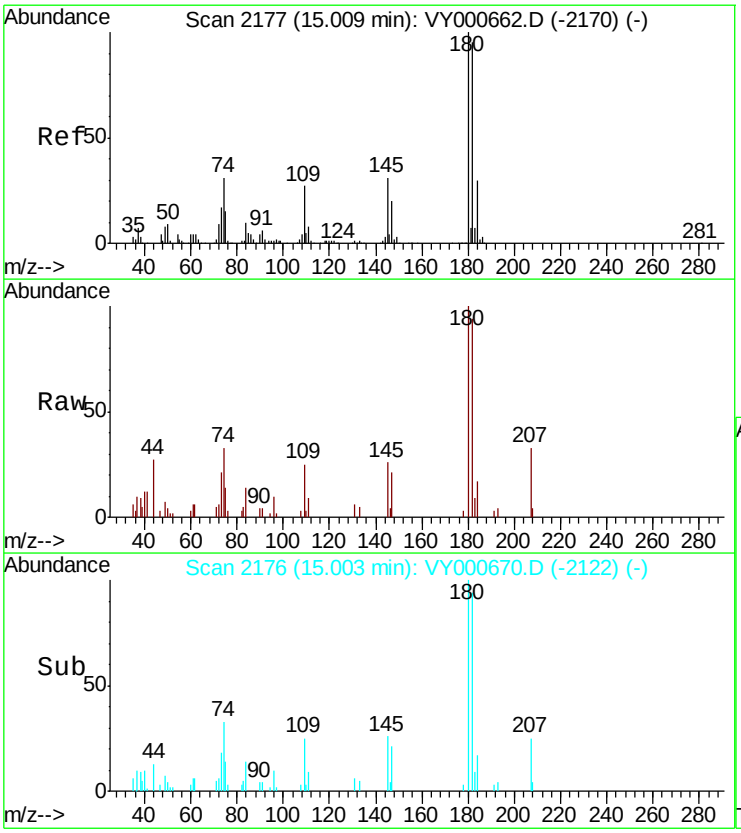
Tgt Ion:180 Resp: 3475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 75.6 | 113.4 |
| 184 | 25.9 | 24.5 | 36.7 |
| 145 | 28.1 | 25.1 | 37.7 |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

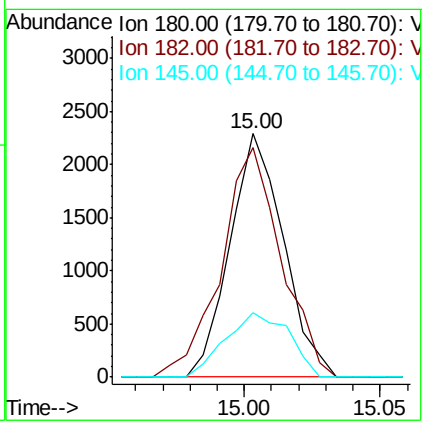
**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM

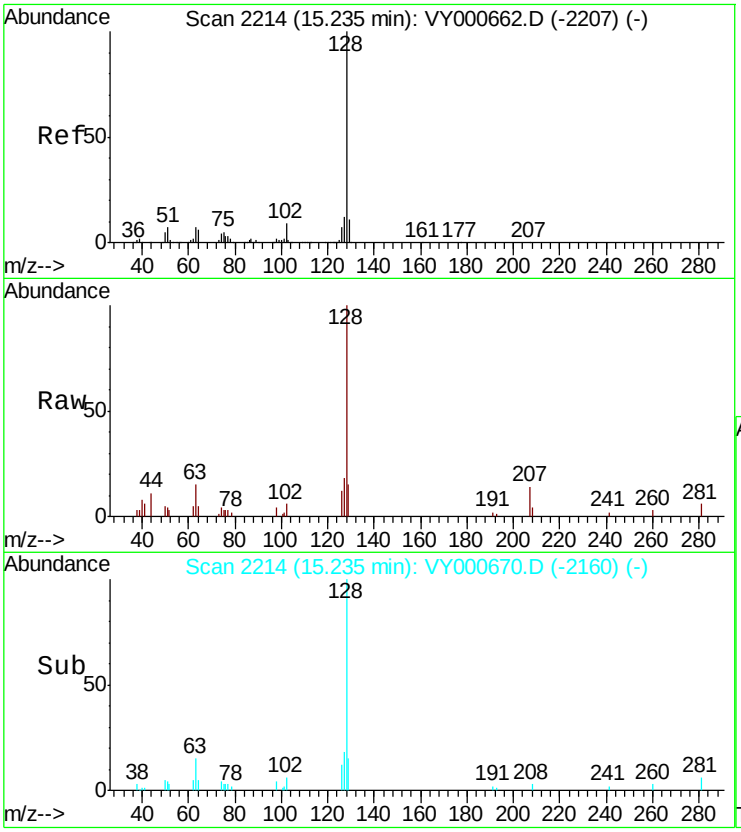



#68
1,2,4-trichlorobenzene
Concen: 0.499 ug/L
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:180 Resp: 3124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 105.7 | 77.5 | 116.3 |
| 145 | 31.3 | 25.4 | 38.2 |

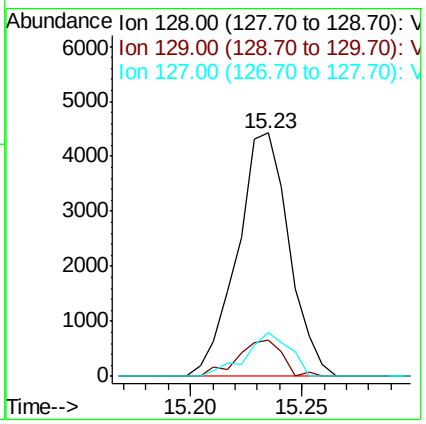





#69
Naphthalene
Concen: 0.460 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

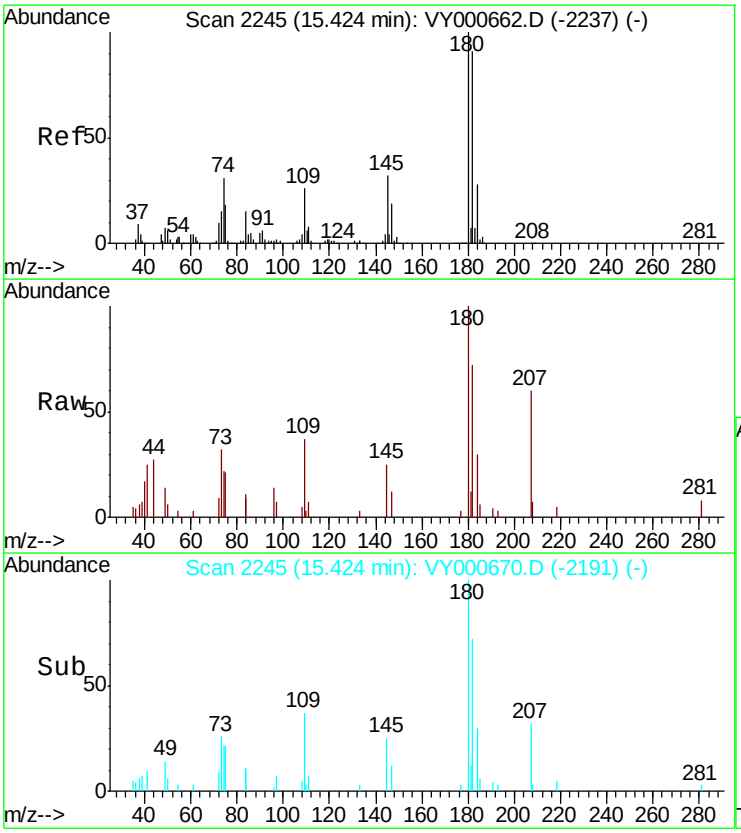
Tgt Ion:128 Resp: 7178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.4 | 8.4 | 12.6 |
| 127 | 15.2 | 9.8 | 14.6# |




**Instrument :**
MSVOA_Y
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**
MMDADODA
11/19/2019 11:59:50 AM




#70
1,2,3-Trichlorobenzene
Concen: 0.482 ug/L
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000670.D
Acq: 13 Nov 2019 14:04

Tgt Ion:180 Resp: 2804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 76.2 | 114.4 |
| 145 | 31.3 | 26.6 | 39.8 |