Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052620\
Data File : VV016200.D
Acq On : 26 May 2020 19:09
Operator : SY/MD
Sample : L2725-11DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 27 03:15:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 97297 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 95601 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 49284 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 31041 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 99.40% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 27650 | 5.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 100.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 43742 | 3.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 74.60% | | | |
| 20) 2-Butanone-d5 | 3.93 | 46 | 82107 | 52.97 | ug/L | -0.04 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 105.94% | | | |
| 24) Chloroform-d | 4.38 | 84 | 60334 | 4.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 32537 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.80% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 118353 | 5.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 100.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 36910 | 5.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 100.80% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 108803 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.40% | | | |
| 45) trans-1,3-Dichloropropene- | 7.65 | 79 | 13084 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 95.80% | | | |
| 48) 2-Hexanone-d5 | 8.11 | 63 | 61301 | 48.94 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 97.88% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 25740 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.00% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 43213 | 5.25 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 105.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.32 | 62 | 9469 | 1.111 | ug/L # | 81 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 473 | 0.079 | ug/L # | 21 |
| 13) Acetone | 2.20 | 43 | 1168 | 1.217 | ug/L | 74 |
| 16) Methylene chloride | 2.53 | 84 | 819 | 0.124 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 3410 | 0.241 | ug/L | 96 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 3151 | 0.424 | ug/L | 96 |
| 33) Benzene | 5.13 | 78 | 12715 | 0.462 | ug/L | 100 |
| 35) Methylcyclohexane | 6.10 | 83 | 8859 | 0.733 | ug/L # | 16 |
| 37) 1,2-Dichloropropane | 6.10 | 63 | 4447 | 0.659 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene | 7.01 | 75 | 977 | 0.102 | ug/L # | 82 |
| 42) Toluene | 7.41 | 91 | 45635 | 1.521 | ug/L | 97 |
| 43) 1,3,5-Trimethylbenzene | 10.56 | 105 | 34584 | 1.266 | ug/L | 99 |
| 44) 1,2,4-Trimethylbenzene | 10.94 | 105 | 96958 | 3.447 | ug/L | 99 |
| 46) trans-1,3-Dichloropropene | 7.64 | 75 | 651 | 0.082 | ug/L # | 50 |
| 50) 2-Hexanone | 8.11 | 43 | 8573 | 2.928 | ug/L # | 71 |
| 54) Ethylbenzene | 9.04 | 91 | 138060 | 4.128 | ug/L | 98 |
| 55) m,p-xylene | 9.16 | 106 | 55858 | 4.454 | ug/L | 94 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052620\
Data File : VV016200.D
Acq On : 26 May 2020 19:09
Operator : SY/MD
Sample : L2725-11DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 27 03:15:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 56) o-xylene | 9.57 | 106 | 36472 | 3.052 | ug/L | | 96 |
| 57) Styrene | 9.57 | 104 | 2066 | 0.104 | ug/L | # | 1 |
| 58) Isopropylbenzene | 9.95 | 105 | 9597 | 0.293 | ug/L | | 97 |
| 67) 1,2-Dibromo-3-chloropropan | 12.49 | 75 | 9585 | 10.438 | ug/L | # | 9 |
| 68) 1,3,5-Trichlorobenzene | 12.67 | 180 | 642 | 0.060 | ug/L | # | 88 |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 884 | 0.105 | ug/L | # | 1 |

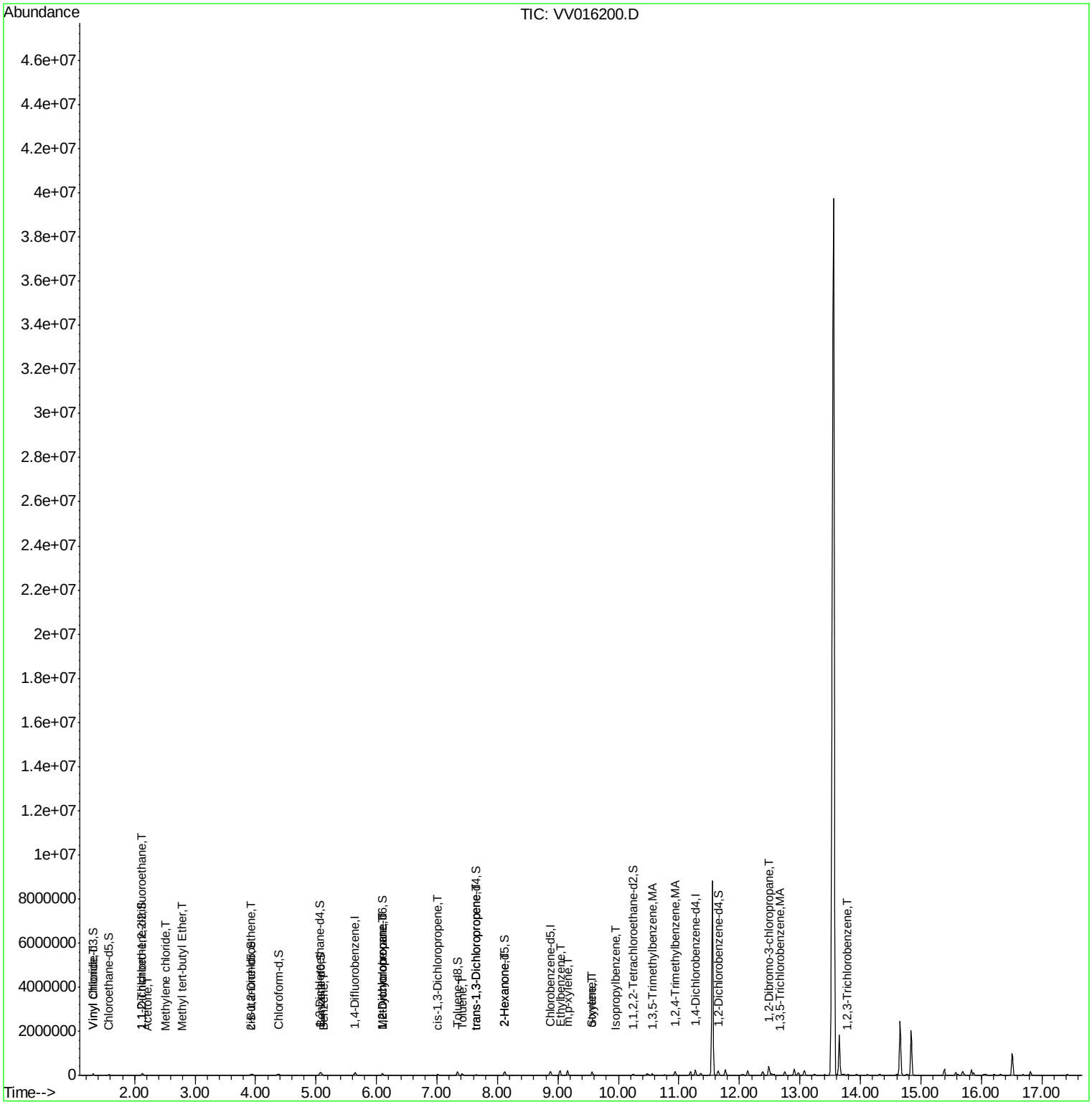
(#) = qualifier out of range (m) = manual integration (+) = signals summed

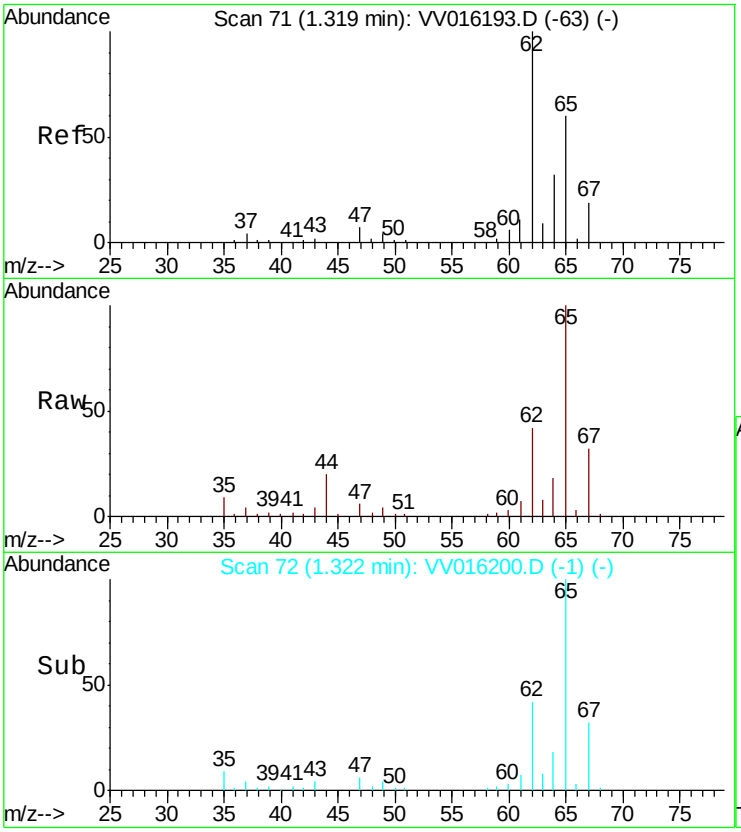
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052620\
Data File : VV016200.D
Acq On : 26 May 2020 19:09
Operator : SY/MD
Sample : L2725-11DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 27 03:15:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration



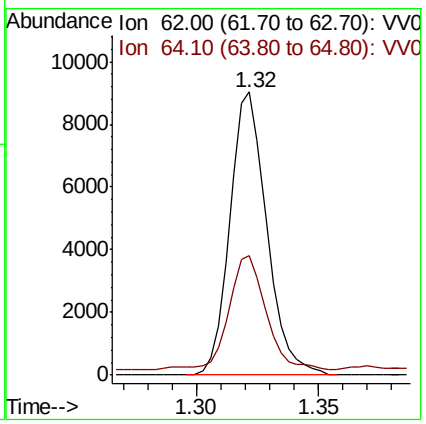


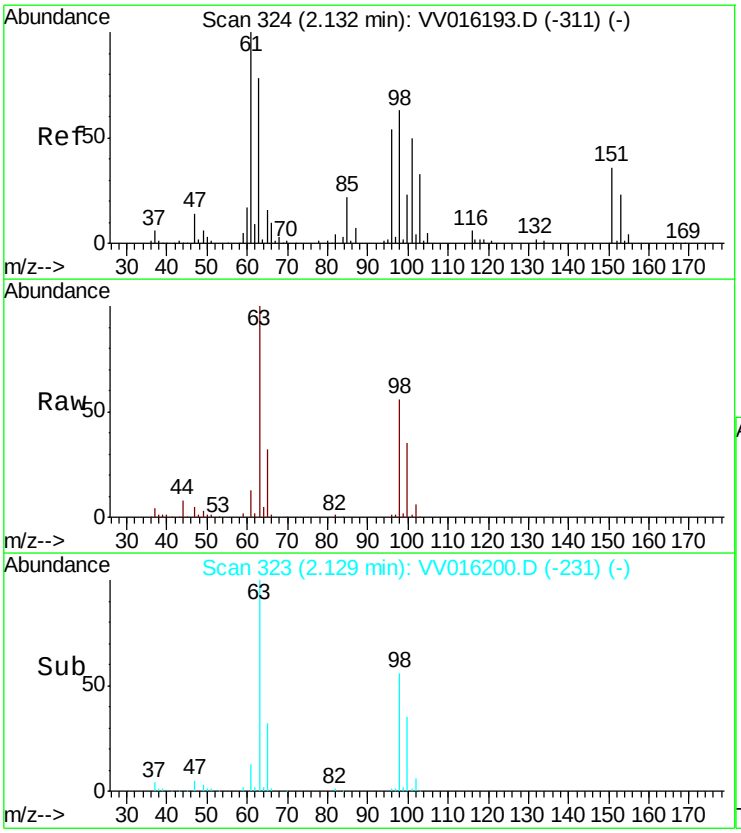

#5
Vinyl chloride
Concen: 1.111 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 62 Resp: 9469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 42.2 | 22.1 | 41.1# |

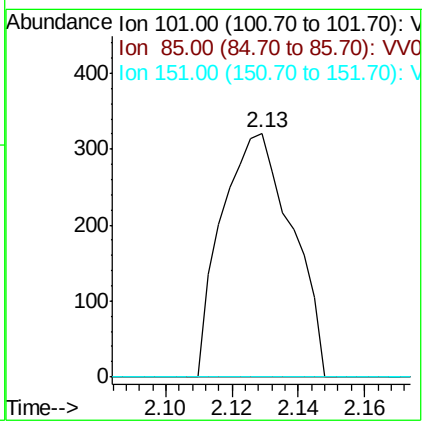


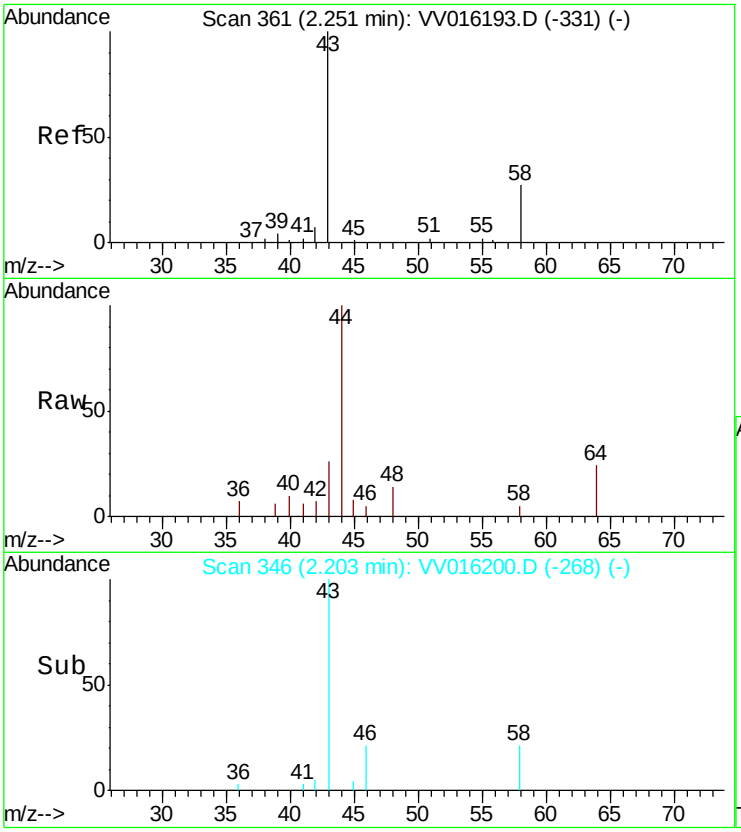




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.079 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion:101 Resp: 473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.0 | 52.6# |
| 151 | 0.0 | 56.3 | 84.5# |



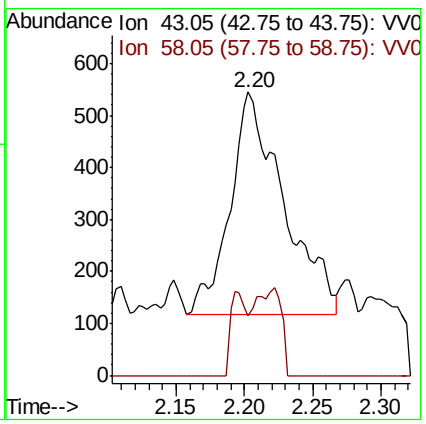


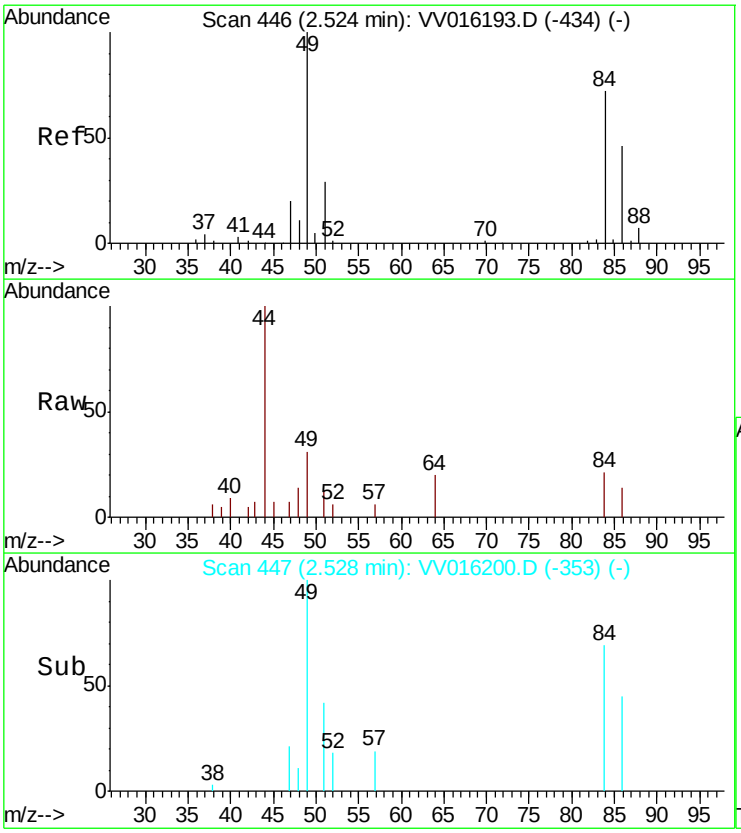

#13
Acetone
Concen: 1.217 ug/L
RT: 2.20 min Scan# 346
Delta R.T. -0.05 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 43 Resp: 1168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.5 | 0.0 | 48.8 |

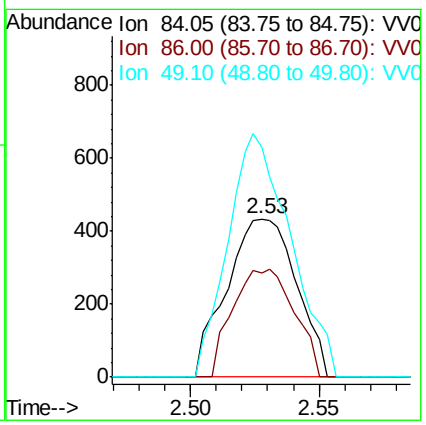


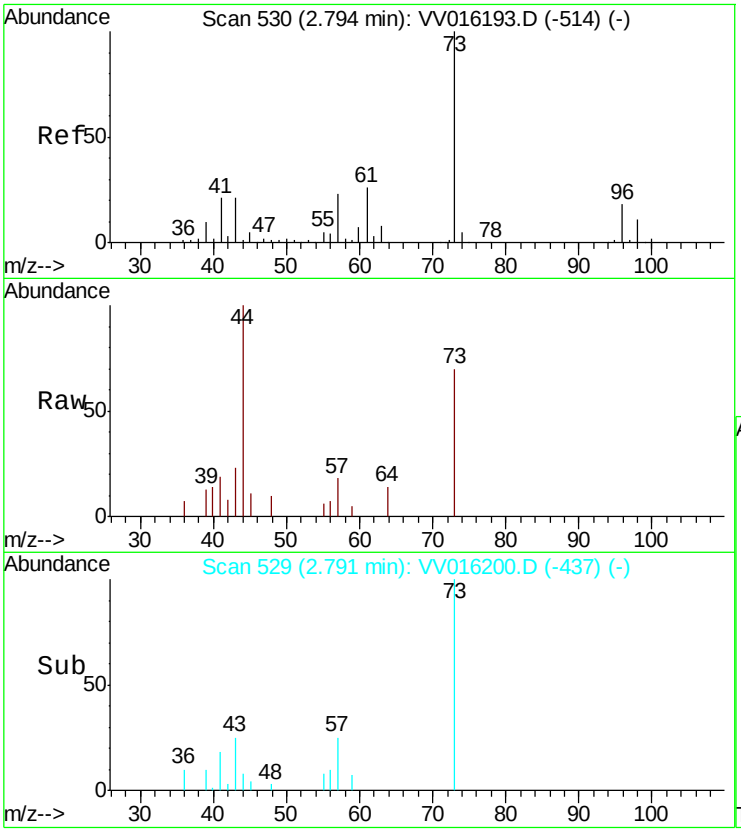




#16
Methylene chloride
Concen: 0.124 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion: 84 Resp: 819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.7 | 44.9 | 83.5 |
| 49 | 145.4 | 96.7 | 179.7 |



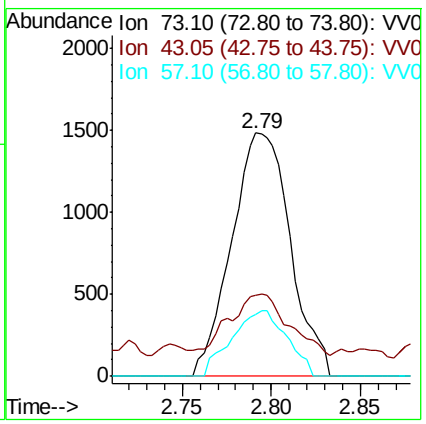


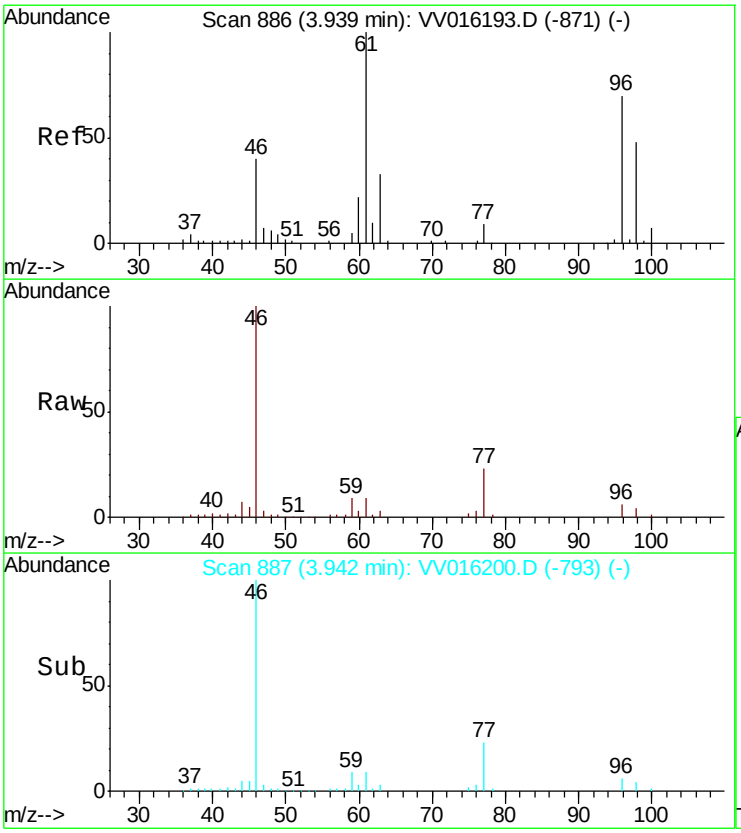

#17
Methyl tert-butyl Ether
Concen: 0.241 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 73 Resp: 3410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 24.8 | 17.8 | 26.8 |
| 57 | 25.4 | 18.9 | 28.3 |

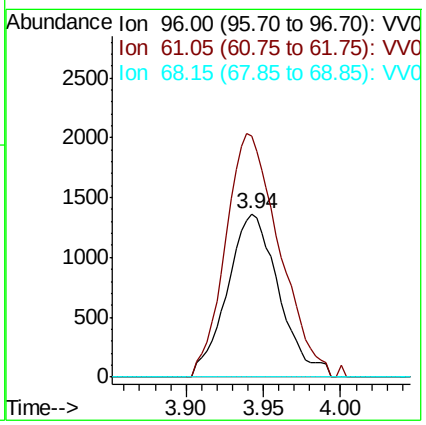


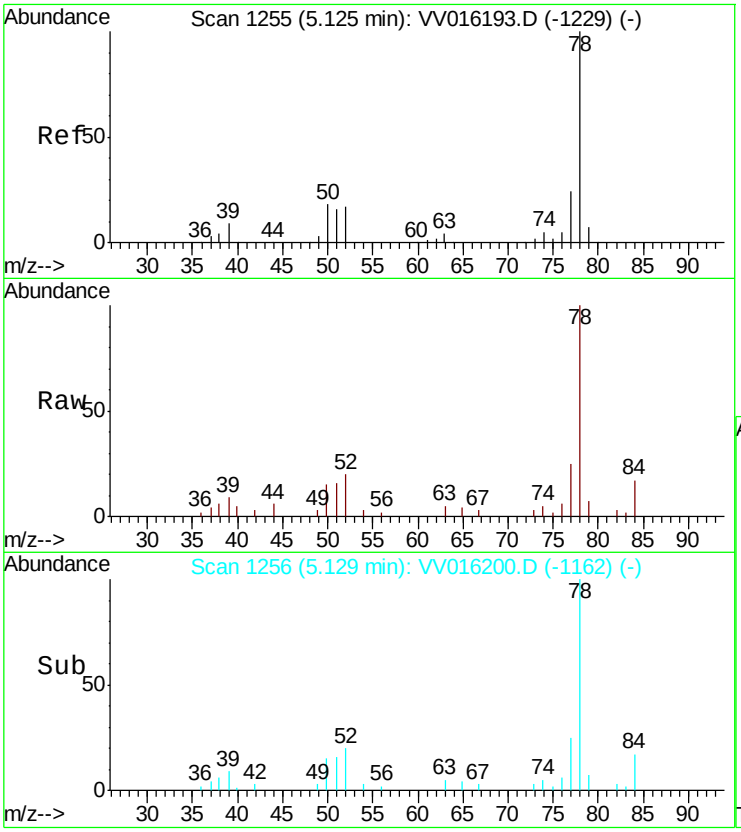




#22
cis-1,2-Dichloroethene
Concen: 0.424 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion: 96 Resp: 3151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.7 | 99.7 | 185.1 |
| 68 | 0.0 | 0.0 | 0.0 |

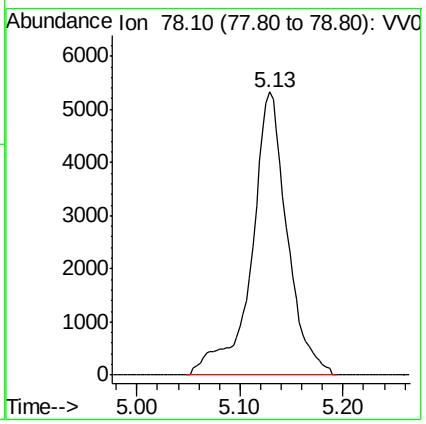


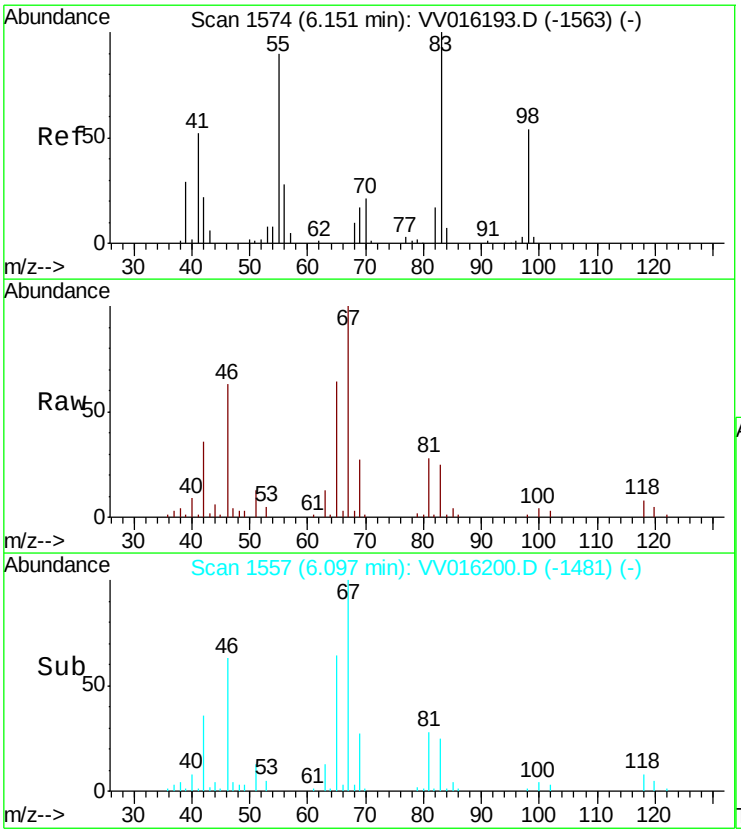



#33
Benzene
Concen: 0.462 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 78 Resp: 12715

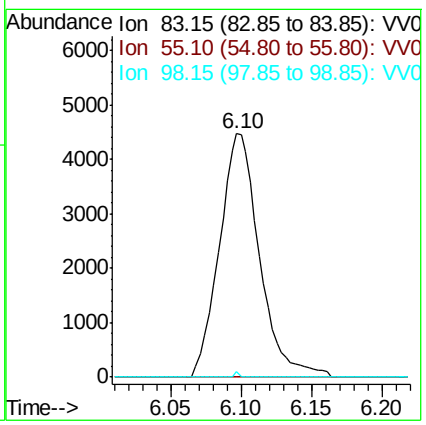


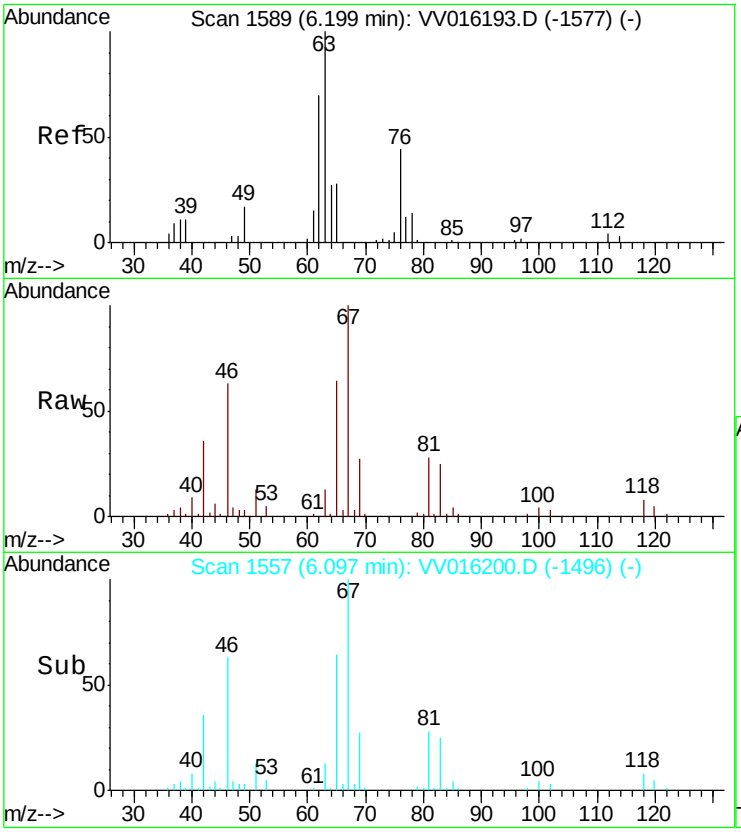




#35
Methylcyclohexane
Concen: 0.733 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion: 83 Resp: 8859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 65.4 | 98.0# |
| 98 | 0.2 | 39.3 | 58.9# |



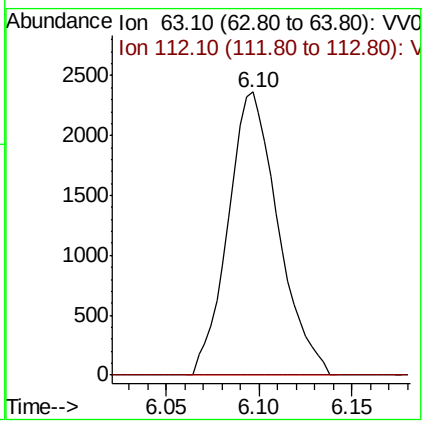


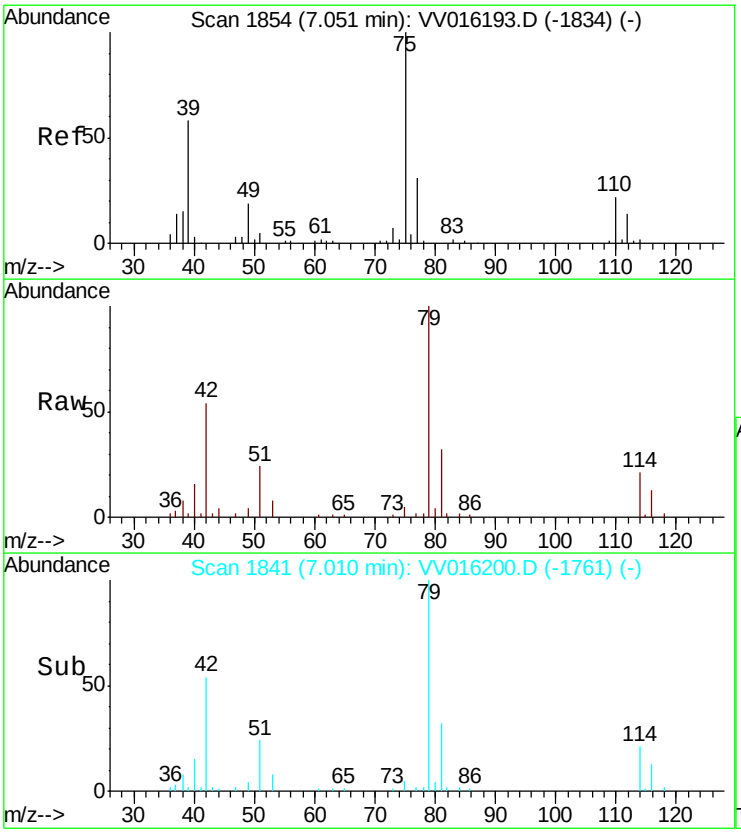

#37
1,2-Dichloropropane
Concen: 0.659 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 63 Resp: 4447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.1 | 4.7# |

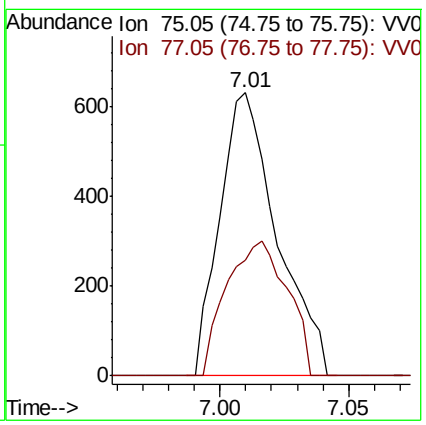


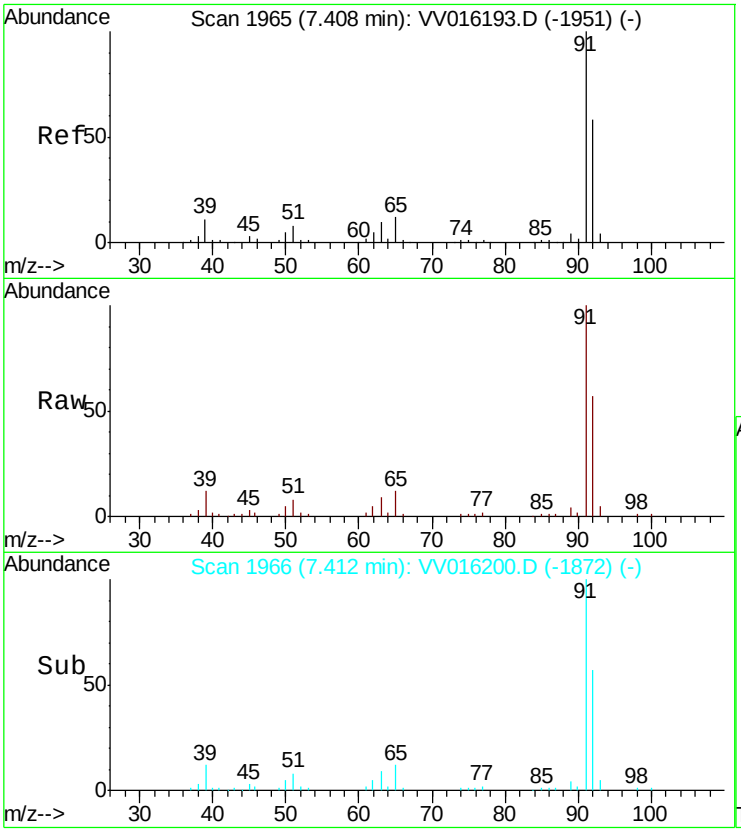




#39
cis-1,3-Dichloropropene
Concen: 0.102 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion: 75 Resp: 977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.0 | 21.7 | 40.3# |



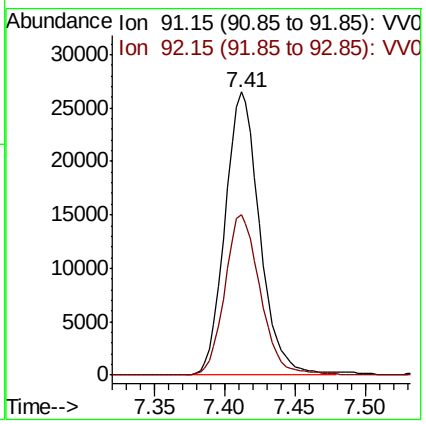


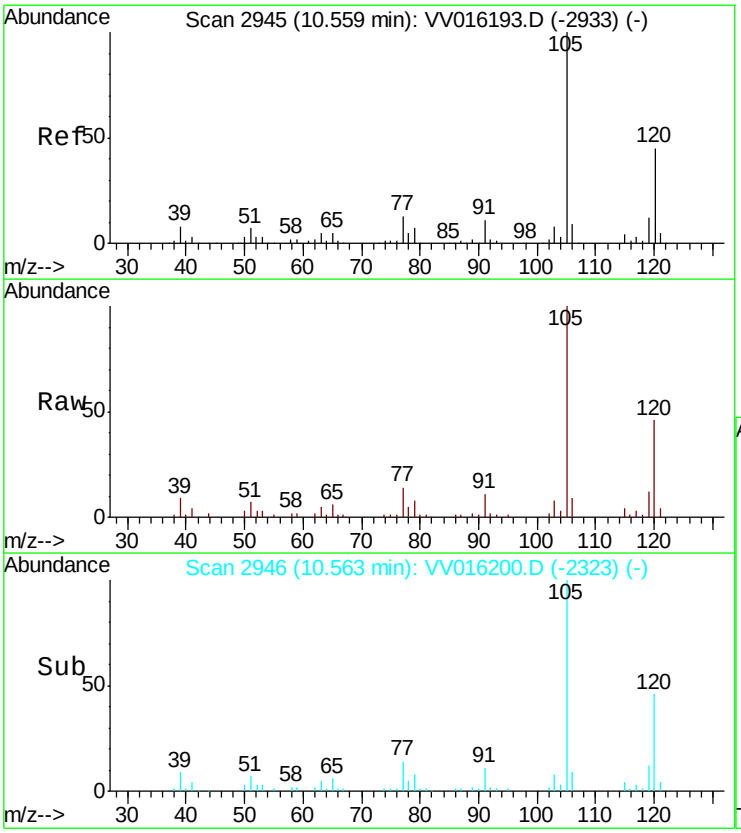

#42
Toluene
Concen: 1.521 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 91 Resp: 45635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.5 | 40.9 | 76.0 |

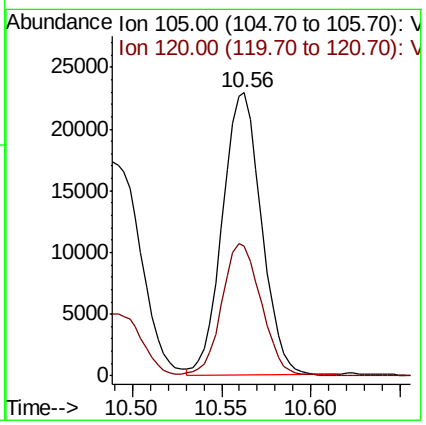


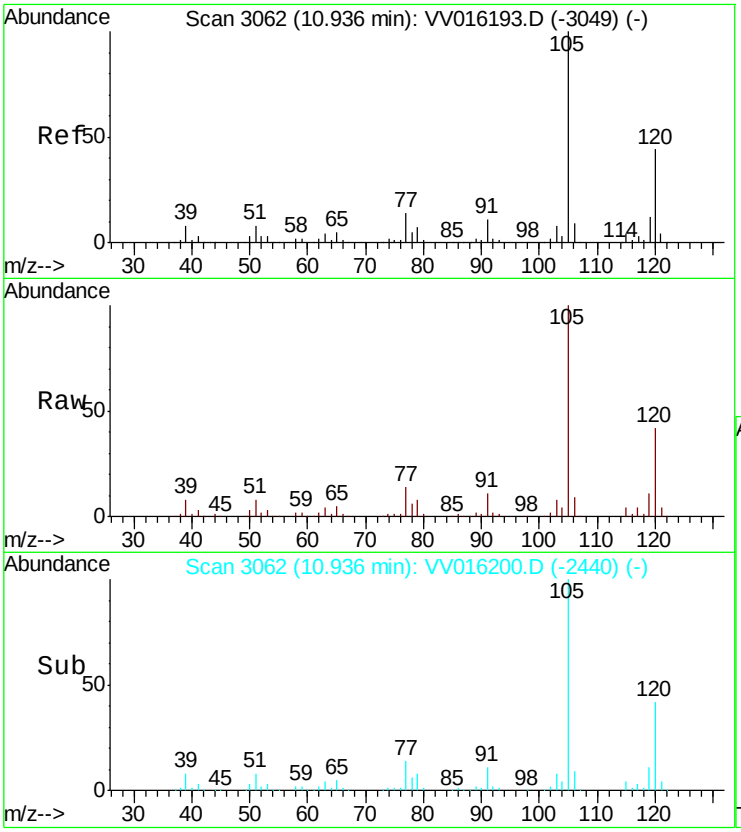




#43
1,3,5-Trimethylbenzene
Concen: 1.266 ug/L
RT: 10.56 min Scan# 2946
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion:105 Resp: 34584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 37.4 | 56.0 |



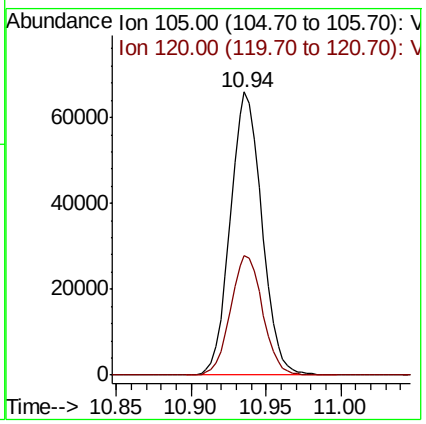


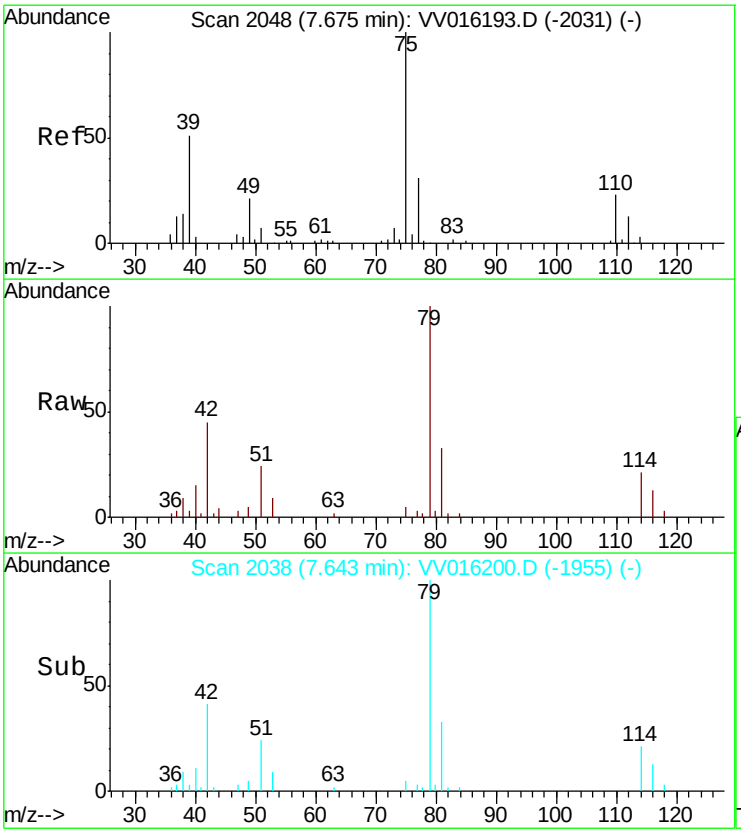

#44
1,2,4-Trimethylbenzene
Concen: 3.447 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion:105 Resp: 96958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.7 | 34.6 | 52.0 |

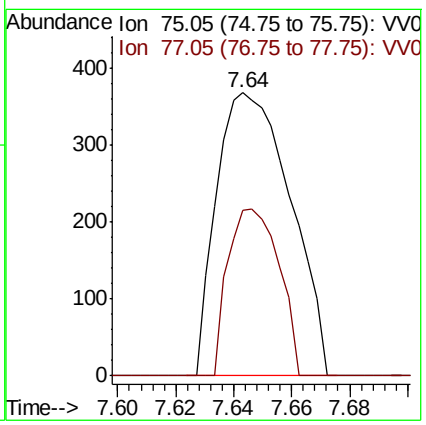


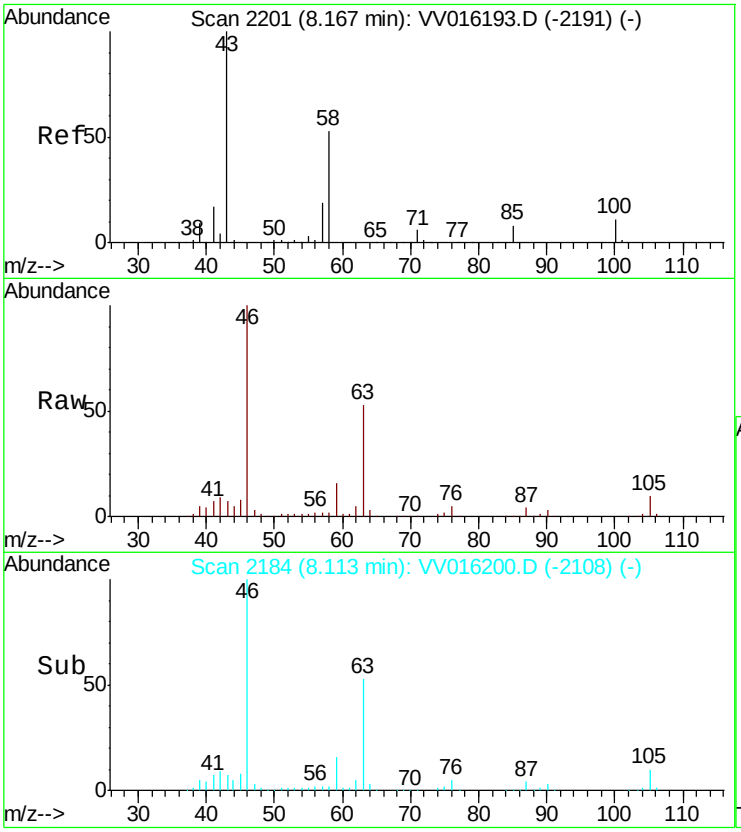




#46
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion: 75 Resp: 651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 58.4 | 21.7 | 40.3# |



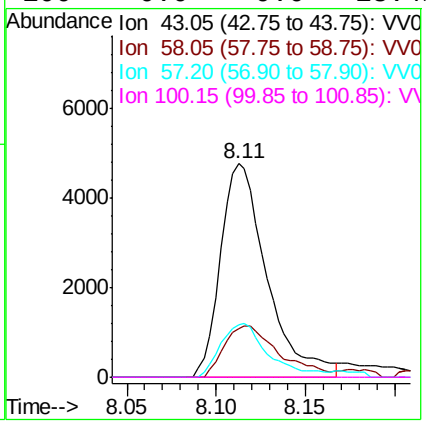


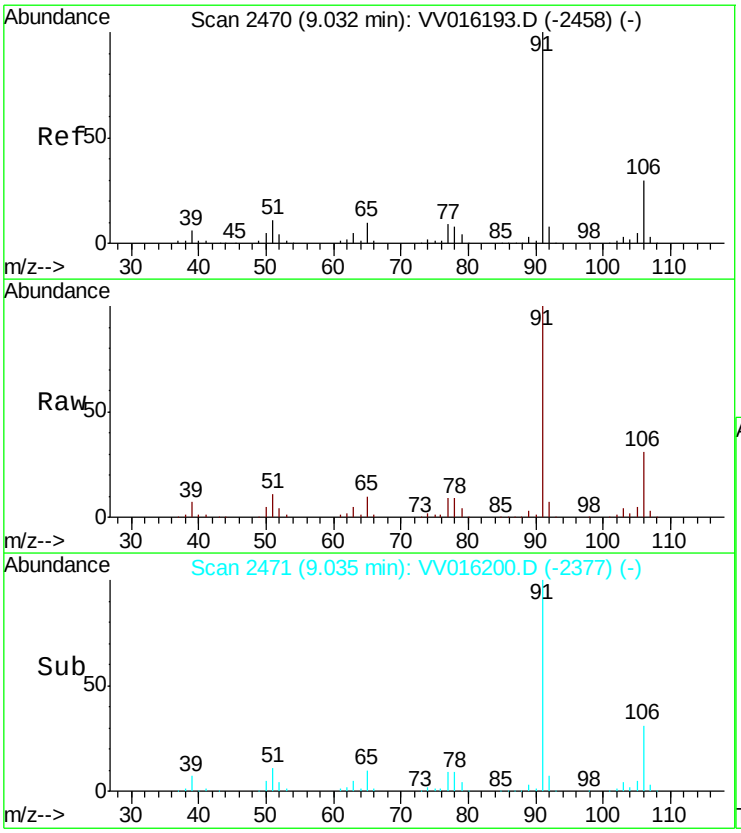

#50
2-Hexanone
Concen: 2.928 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 43 Resp: 8573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.5 | 41.4 | 62.0# |
| 57 | 25.8 | 15.0 | 22.4# |
| 100 | 0.0 | 9.0 | 13.4# |

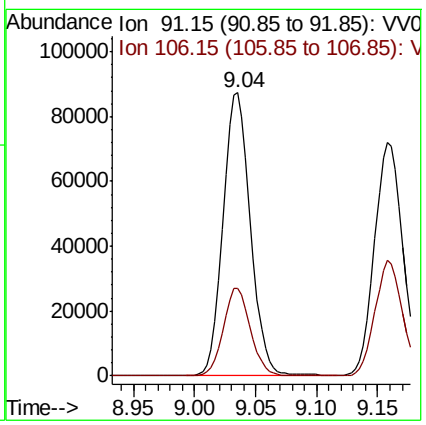


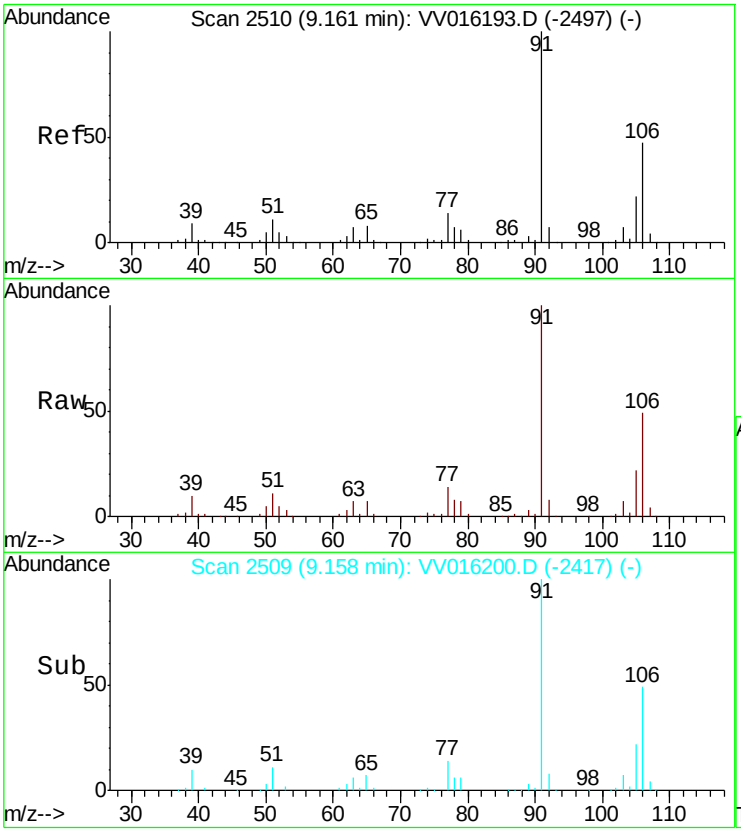




#54
Ethylbenzene
Concen: 4.128 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion: 91 Resp: 138060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 21.0 | 39.0 |



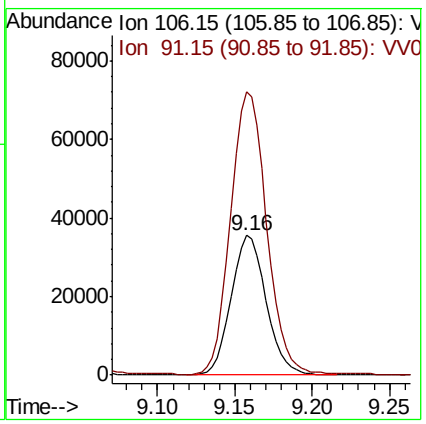


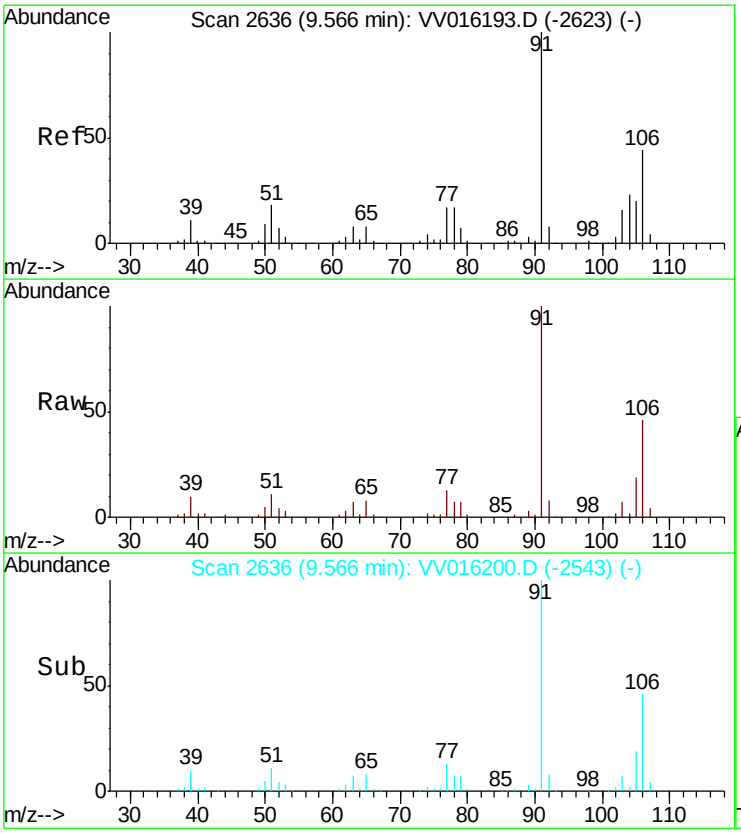

#55
m,p-xylene
Concen: 4.454 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion:106 Resp: 55858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.7 | 148.1 | 275.0 |

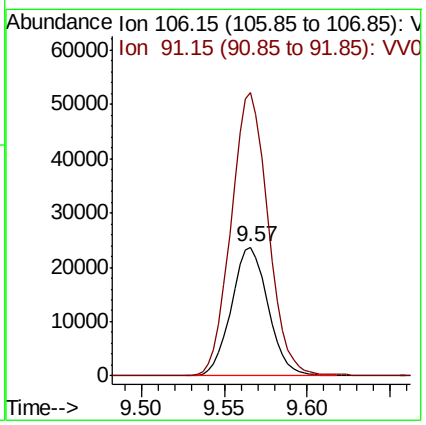


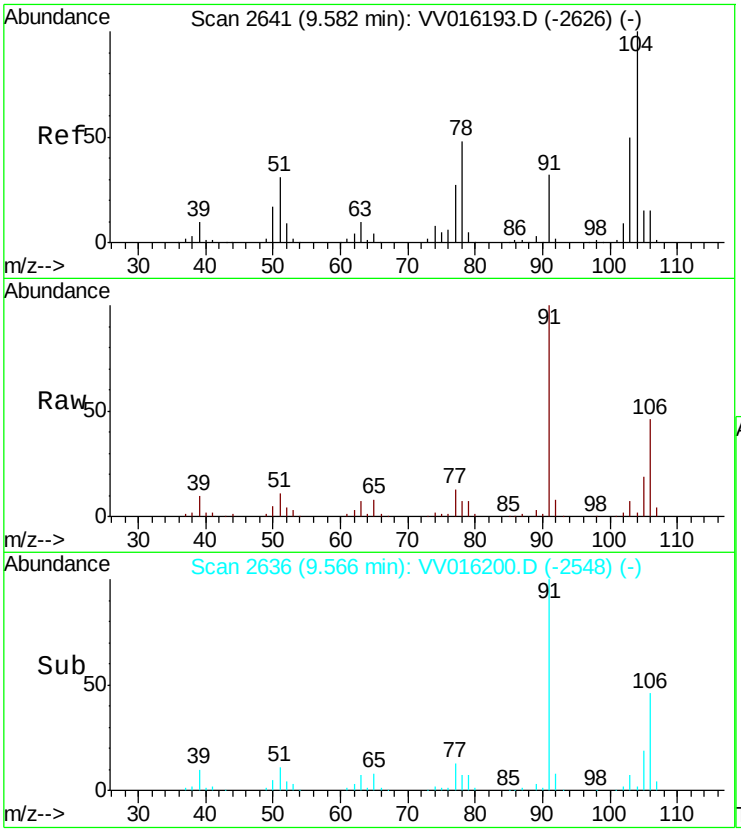




#56
o-xylene
Concen: 3.052 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion:106 Resp: 36472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.8 | 158.8 | 294.8 |



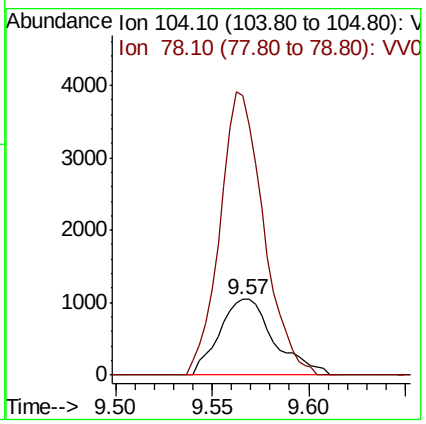


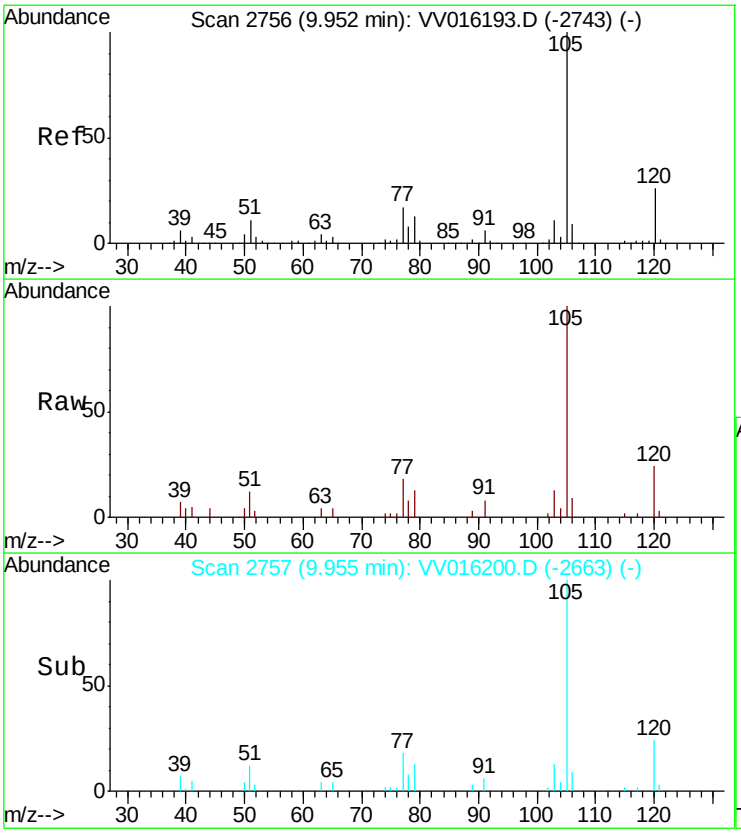

#57
Stvrene
Concen: 0.104 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.02 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion:104 Resp: 2066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 369.5 | 33.2 | 61.7# |

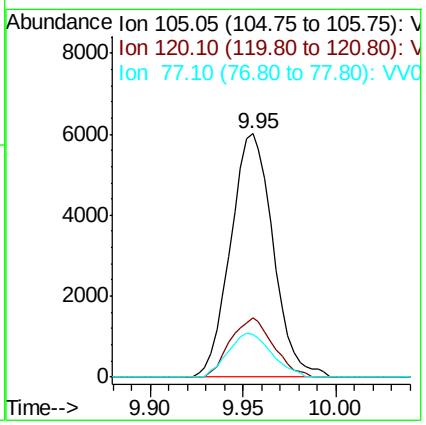


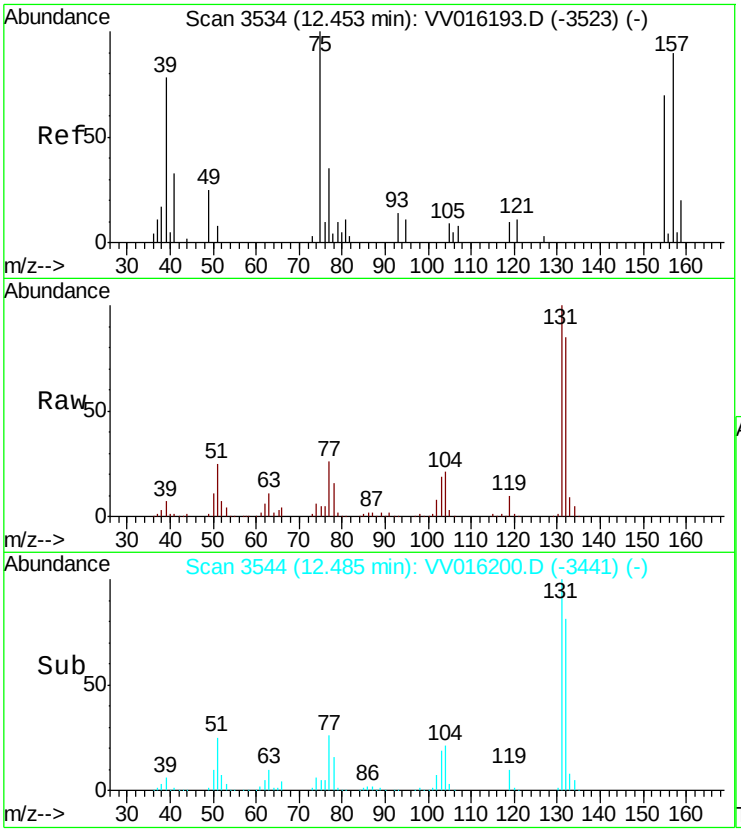




#58
Isopropylbenzene
Concen: 0.293 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion:105 Resp: 9597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.4 | 20.9 | 31.3 |
| 77 | 18.3 | 13.9 | 20.9 |



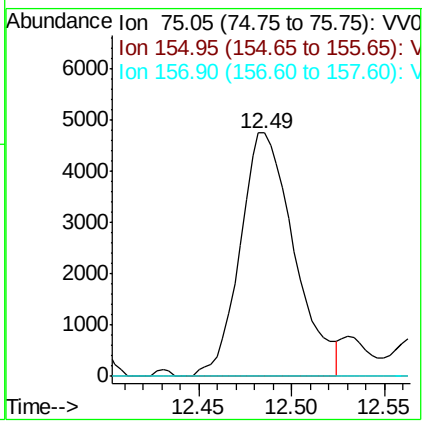


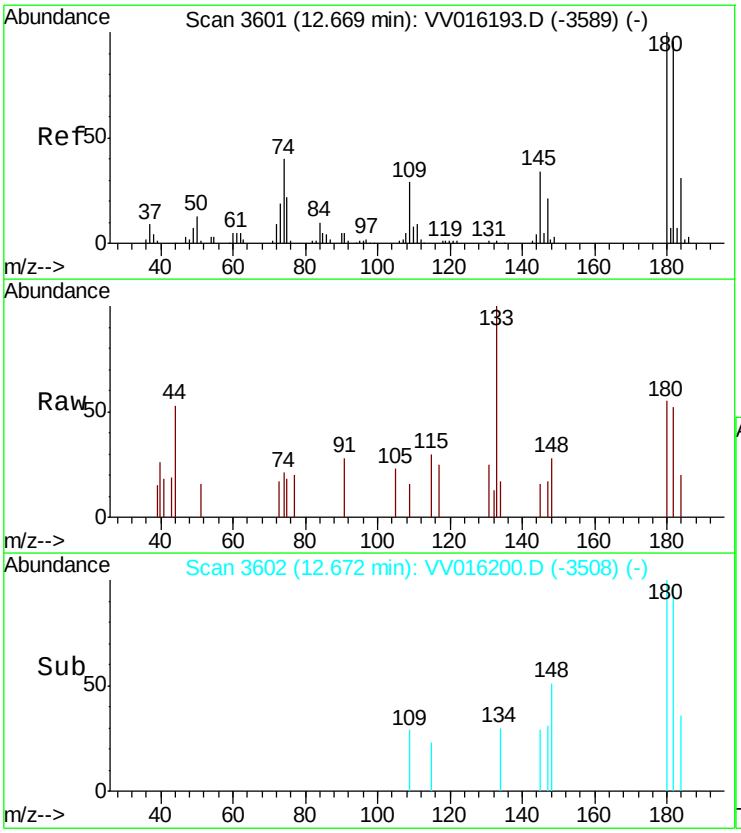

#67
1,2-Dibromo-3-chloropropane
Concen: 10.438 ug/L
RT: 12.49 min Scan# 3544
Delta R.T. 0.03 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion: 75 Resp: 9585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 56.2 | 84.4# |
| 157 | 0.0 | 71.9 | 107.9# |

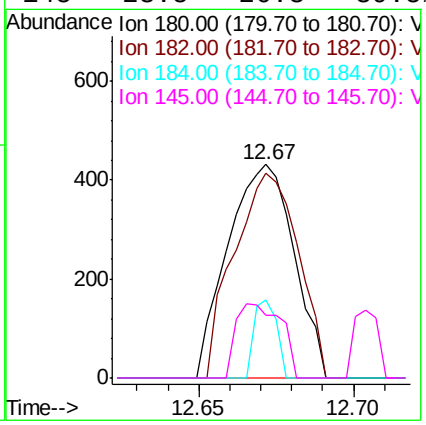


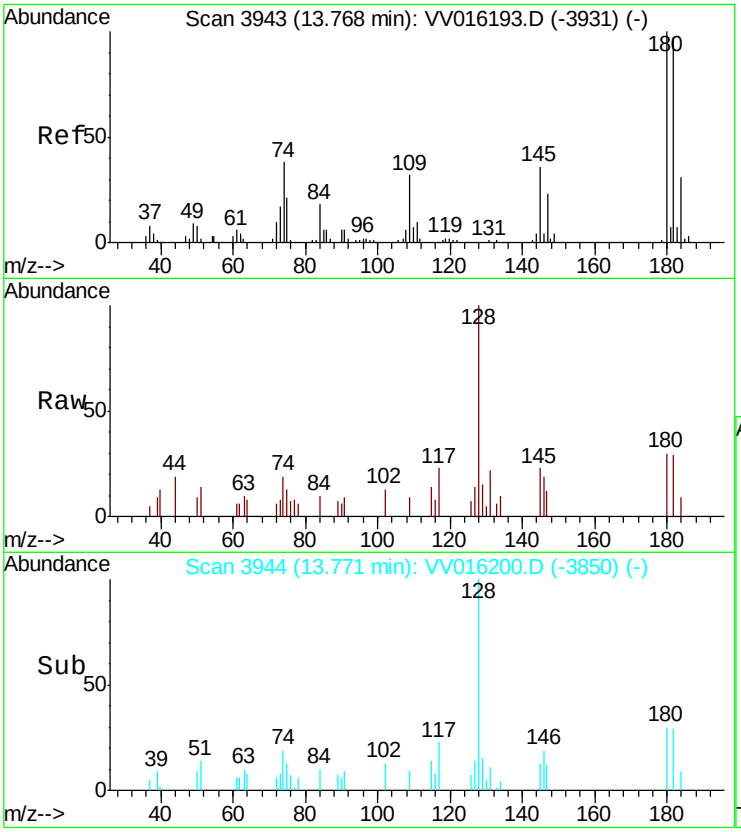




#68
1,3,5-Trichlorobenzene
Concen: 0.060 ug/L
RT: 12.67 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

Tgt Ion:180 Resp: 642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 77.1 | 115.7 |
| 184 | 12.6 | 25.0 | 37.4# |
| 145 | 23.5 | 26.3 | 39.5# |






#71
1,2,3-Trichlorobenzene
Concen: 0.105 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV016200.D
Acq: 26 May 2020 19:09

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

Tgt Ion:180 Resp: 884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 113.1 | 77.1 | 115.7 |
| 145 | 499.4 | 28.6 | 42.8# |