Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071420\
Data File : VV017489.D
Acq On : 14 Jul 2020 17:39
Operator : SY/MD
Sample : L3281-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Quant Time: Jul 15 03:07:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 136317 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 132131 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 70505 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 34766 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 87.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 29862 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 94.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 56092 | 3.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 64.80% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 83888 | 51.56 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.12% | | | |
| 24) Chloroform-d | 4.38 | 84 | 79731 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 48529 | 5.13 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.60% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 145403 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 40218 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 95.20% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 134669 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.40% | | | |
| 45) trans-1,3-Dichloropropene- | 7.64 | 79 | 19214 | 4.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 93.40% | | | |
| 48) 2-Hexanone-d5 | 8.12 | 63 | 62125 | 50.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 101.28% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 29264 | 4.88 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 97.60% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 58716 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 97.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 696 | 0.075 | ug/L # | 19 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 726 | 0.089 | ug/L # | 1 |
| 13) Acetone | 2.23 | 43 | 3844 | 3.254 | ug/L | 98 |
| 14) Carbon disulfide | 2.31 | 76 | 6528 | 0.257 | ug/L | 95 |
| 25) Chloroform | 4.40 | 83 | 4044 | 0.221 | ug/L | 94 |
| 35) Methylcyclohexane | 6.10 | 83 | 11771 | 0.745 | ug/L # | 17 |
| 37) 1,2-Dichloropropane | 6.10 | 63 | 5937 | 0.729 | ug/L # | 85 |
| 42) Toluene | 7.41 | 91 | 7204 | 0.186 | ug/L | 95 |
| 43) 1,3,5-Trimethylbenzene | 10.94 | 105 | 1935 | 0.050 | ug/L | 87 |
| 44) 1,2,4-Trimethylbenzene | 10.94 | 105 | 1935 | 0.050 | ug/L | 92 |
| 50) 2-Hexanone | 8.16 | 43 | 2843 | 0.900 | ug/L # | 78 |
| 54) Ethylbenzene | 9.04 | 91 | 5253 | 0.118 | ug/L | 91 |
| 55) m,p-xylene | 9.16 | 106 | 1355 | 0.081 | ug/L | 92 |
| 56) o-xylene | 9.57 | 106 | 1884 | 0.116 | ug/L | 87 |
| 64) 1,4-Dichlorobenzene | 11.30 | 146 | 1307 | 0.060 | ug/L # | 82 |
| 68) 1,3,5-Trichlorobenzene | 12.67 | 180 | 1149 | 0.064 | ug/L # | 68 |
| 70) Naphthalene | 13.53 | 128 | 2976 | 0.144 | ug/L # | 91 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071420\
Data File : VV017489.D
Acq On : 14 Jul 2020 17:39
Operator : SY/MD
Sample : L3281-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Quant Time: Jul 15 03:07:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 1146 | 0.091 | ug/L # | 79 |

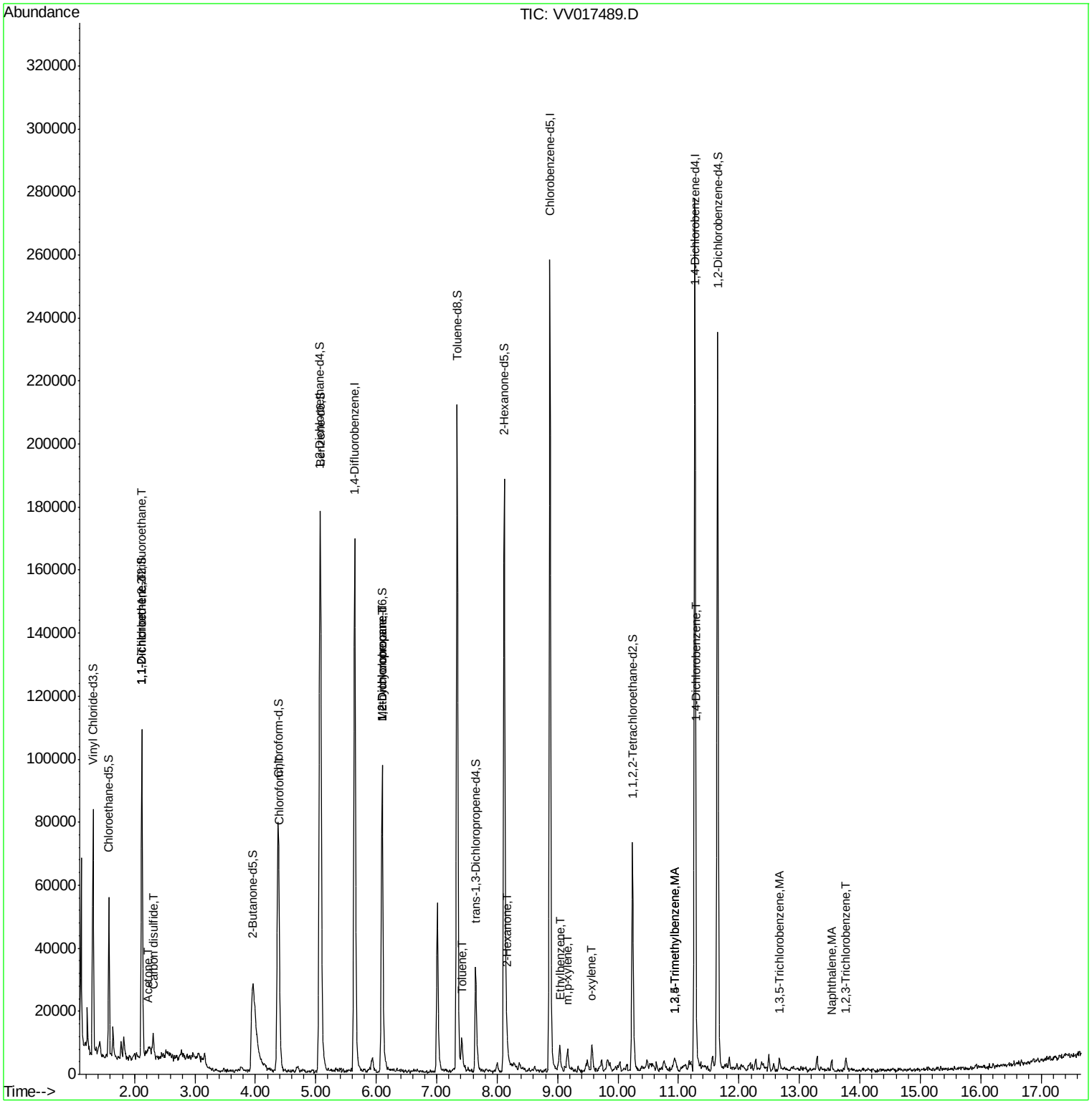
(#) = qualifier out of range (m) = manual integration (+) = signals summed

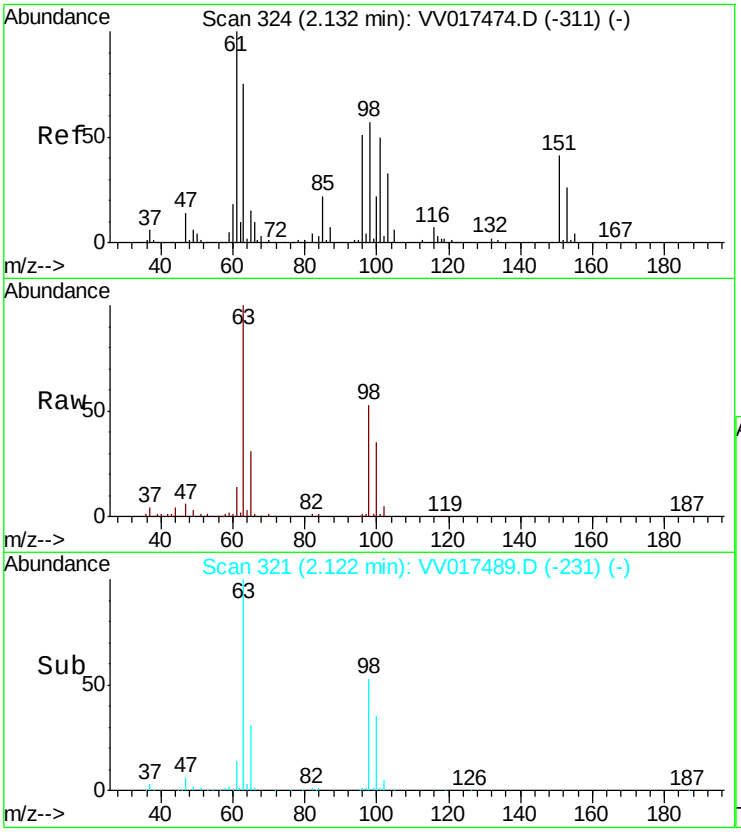
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071420\
Data File : VV017489.D
Acq On : 14 Jul 2020 17:39
Operator : SY/MD
Sample : L3281-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Quant Time: Jul 15 03:07:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 02:49:58 2020
Response via : Initial Calibration



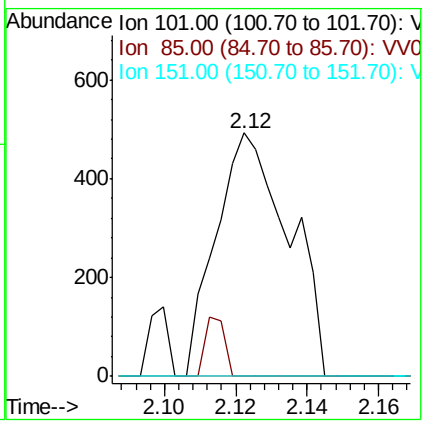


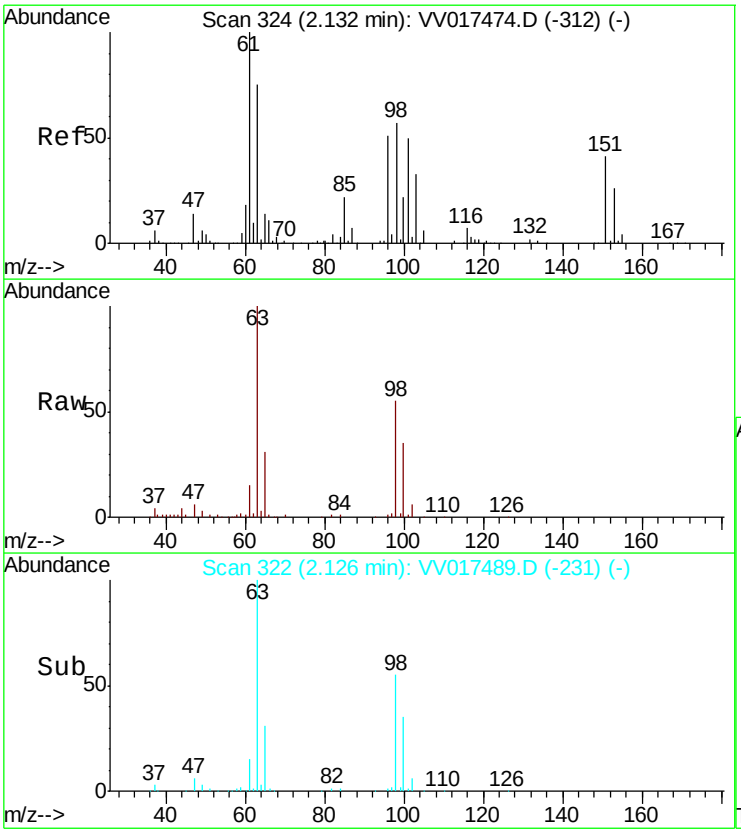

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.075 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Tgt Ion:101 Resp: 696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 6.3 | 35.4 | 53.2# |
| 151 | 0.0 | 66.5 | 99.7# |

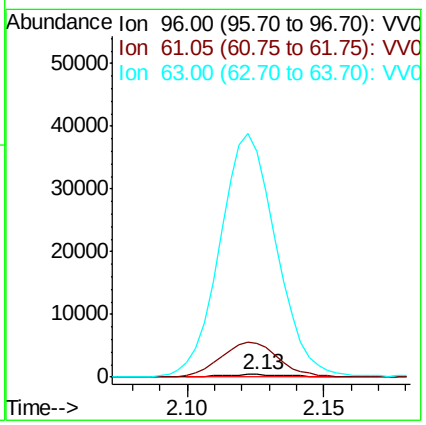


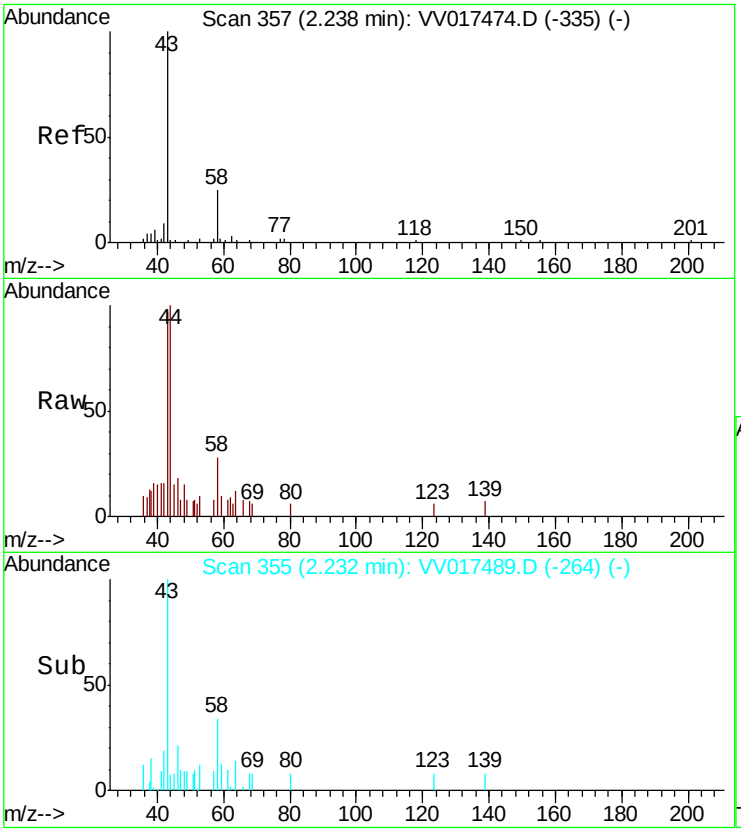




#12
1,1-Dichloroethene
Concen: 0.089 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion: 96 Resp: 726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1393.2 | 137.2 | 254.8# |
| 63 | 9385.4 | 103.6 | 192.4# |



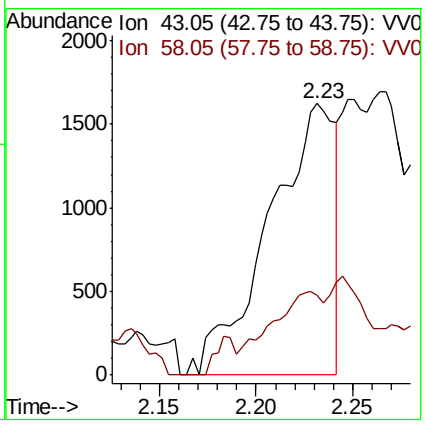


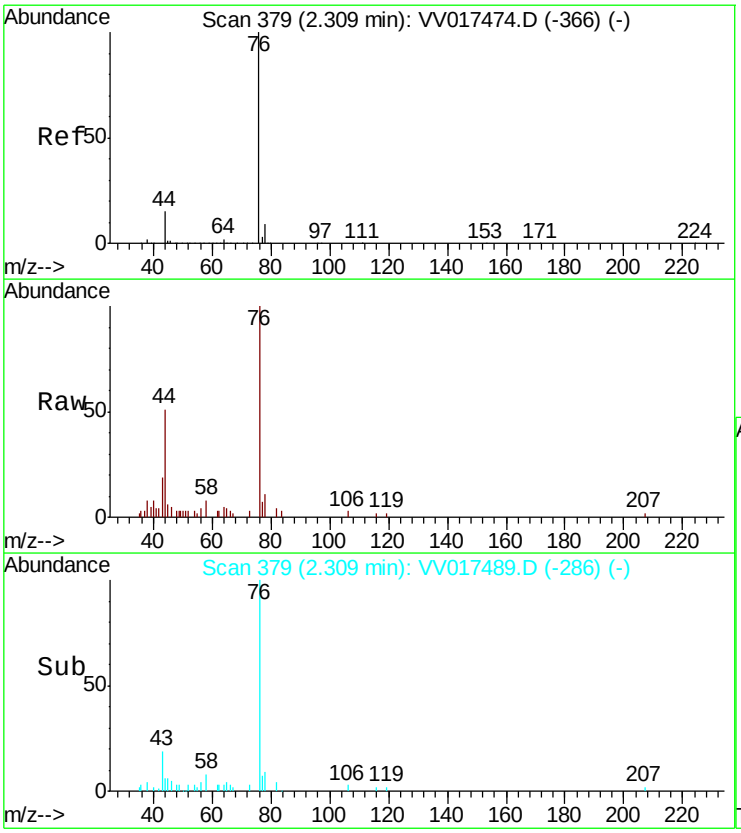

#13
Acetone
Concen: 3.254 ug/L
RT: 2.23 min Scan# 355
Delta R.T. -0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Tgt Ion: 43 Resp: 3844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.8 | 0.0 | 33.6 |

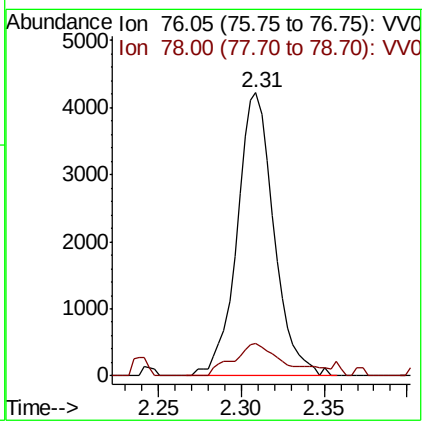


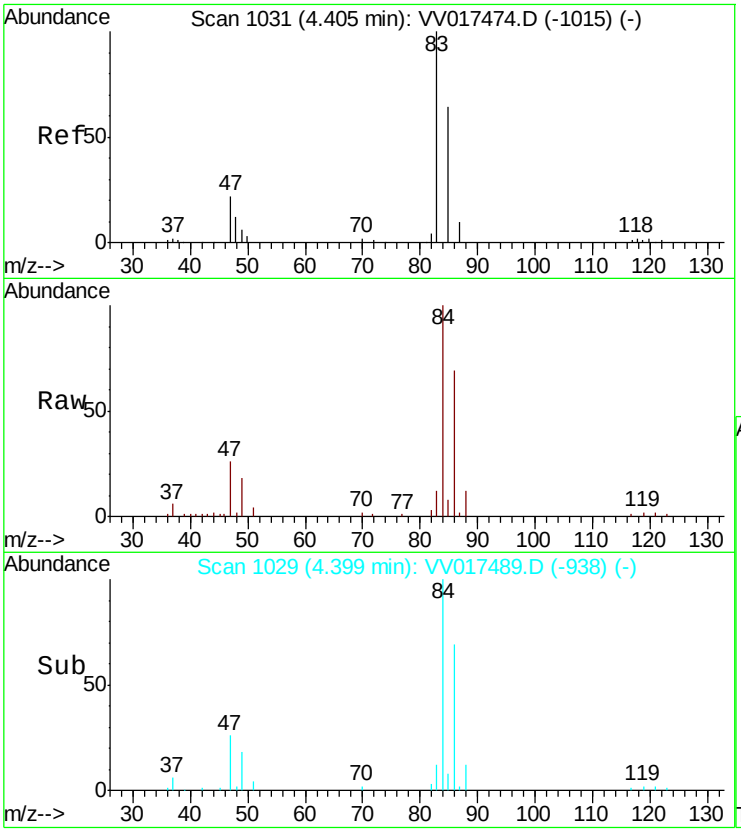




#14
Carbon disulfide
Concen: 0.257 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion: 76 Resp: 6528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.3 | 7.5 | 11.3 |



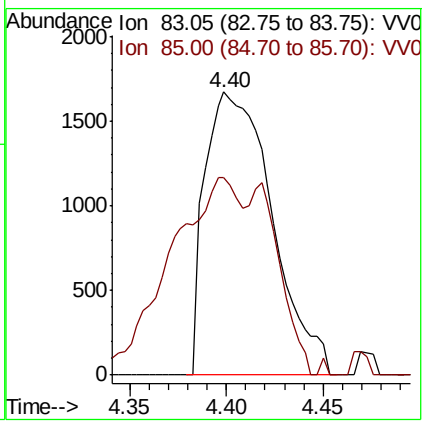


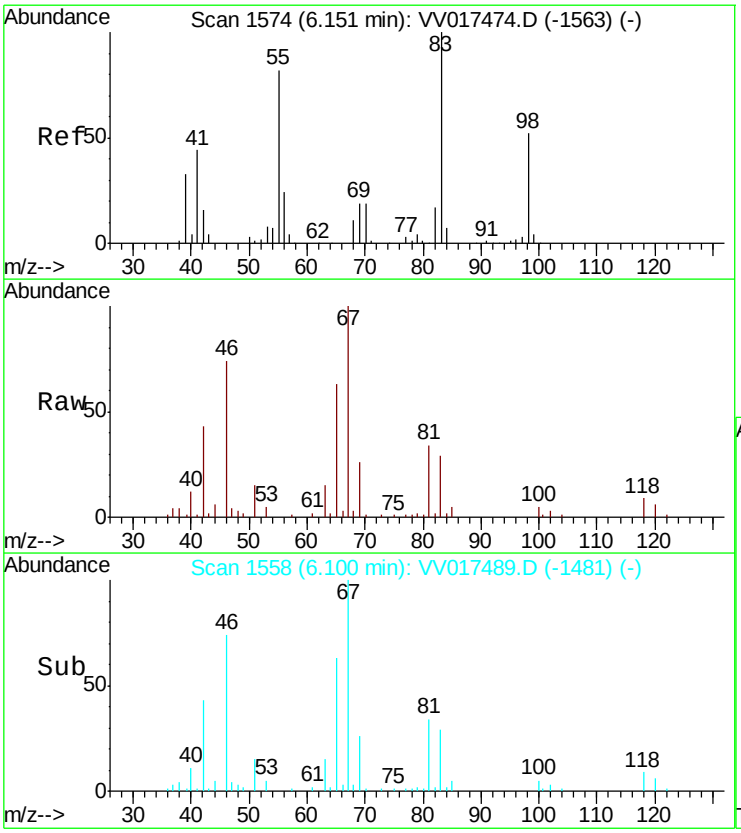

#25
Chloroform
Concen: 0.221 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAXX0

Tgt Ion: 83 Resp: 4044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.7 | 45.4 | 84.4 |

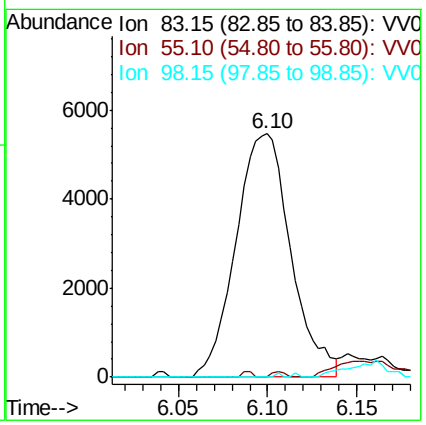


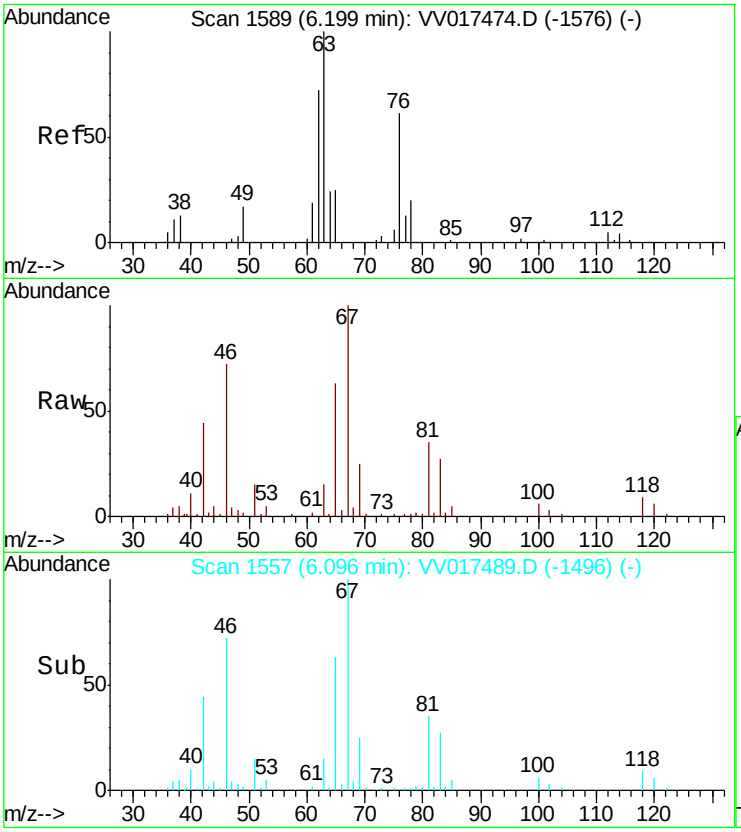




#35
Methylcyclohexane
Concen: 0.745 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion: 83 Resp: 11771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.5 | 62.0 | 93.0# |
| 98 | 0.0 | 41.4 | 62.2# |



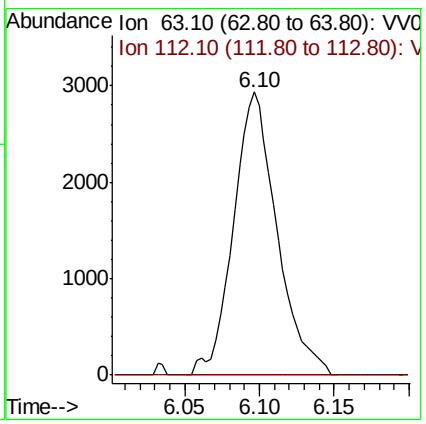


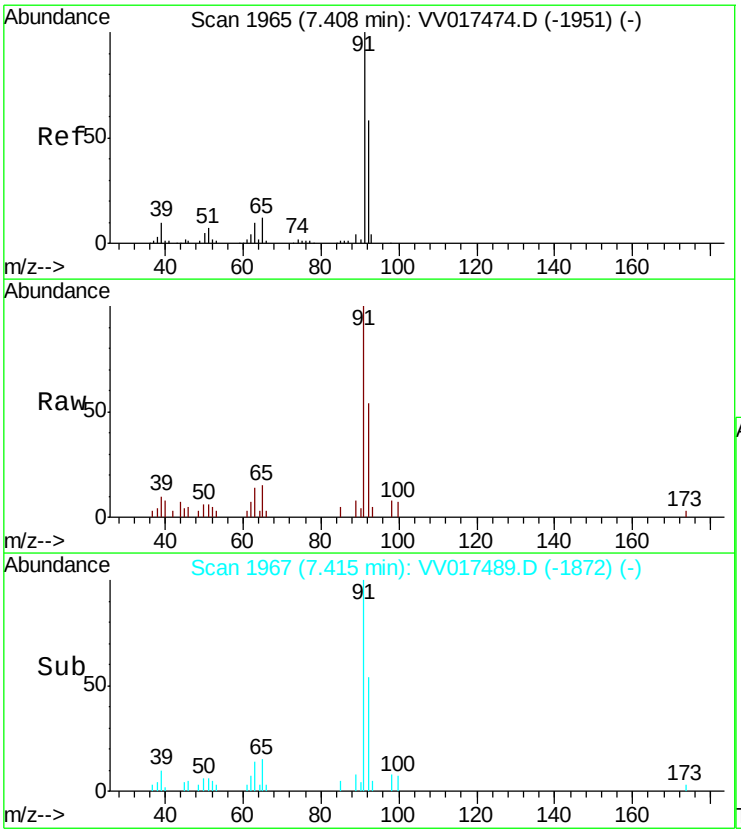

#37
1,2-Dichloropropane
Concen: 0.729 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAXX0

Tgt Ion: 63 Resp: 5937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.4 | 4.4 | 6.6# |

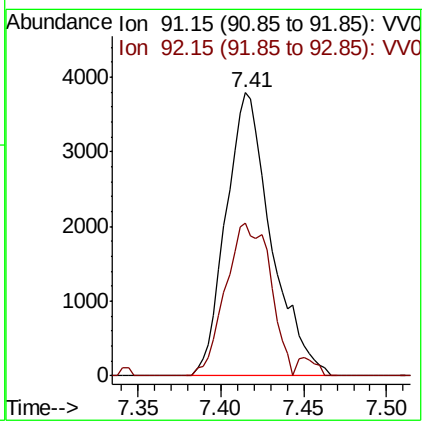


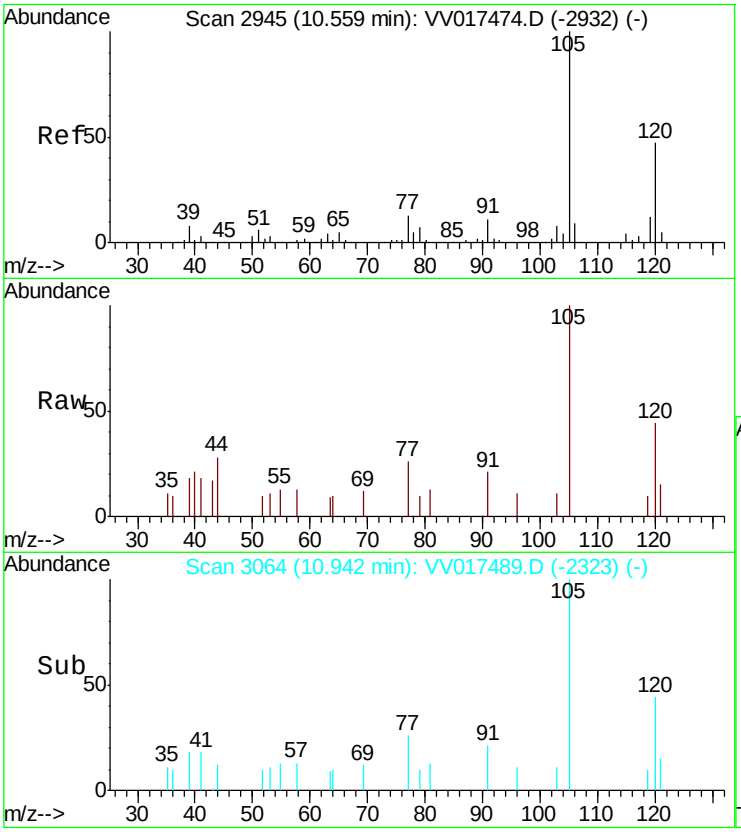




#42
Toluene
Concen: 0.186 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion: 91 Resp: 7204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 40.7 | 75.5 |



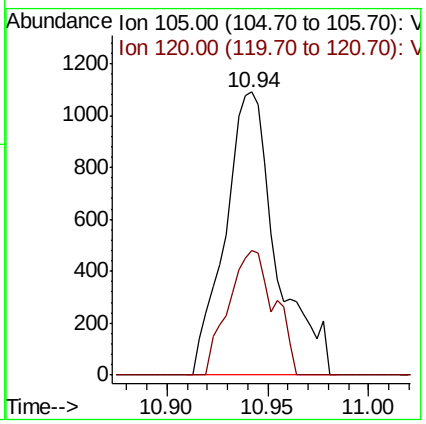


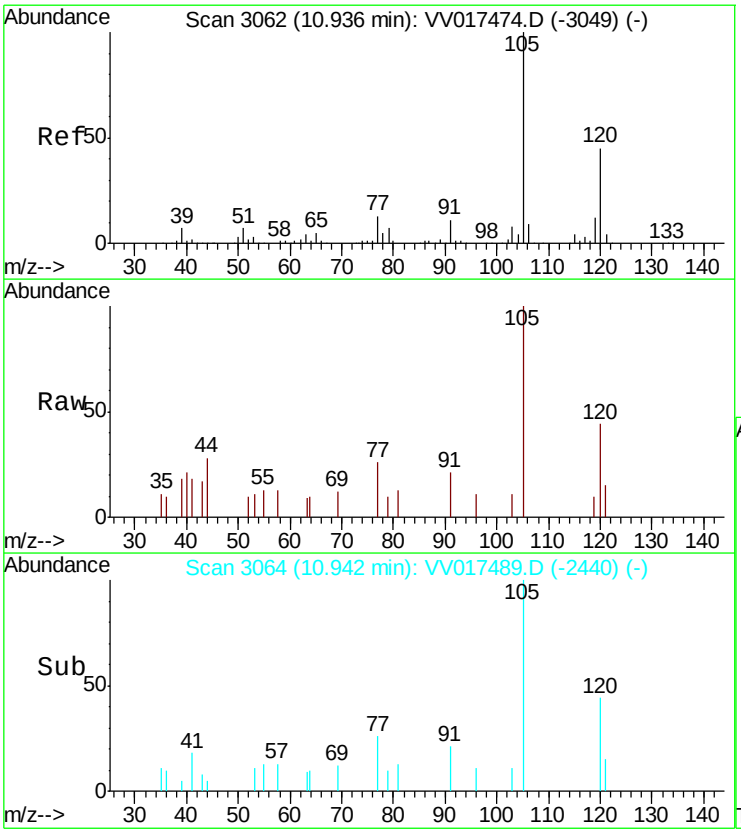

#43
1,3,5-Trimethylbenzene
Concen: 0.050 ug/L
RT: 10.94 min Scan# 3064
Delta R.T. 0.38 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAXX0

Tgt Ion:105 Resp: 1935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 39.5 | 38.6 | 58.0 |

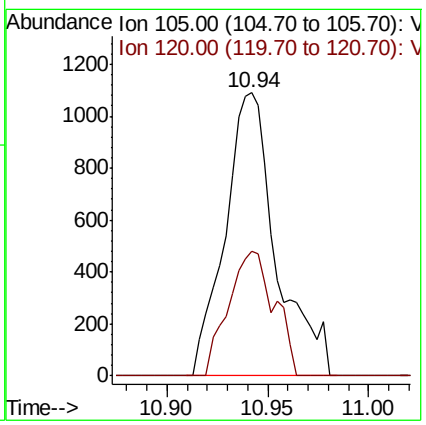


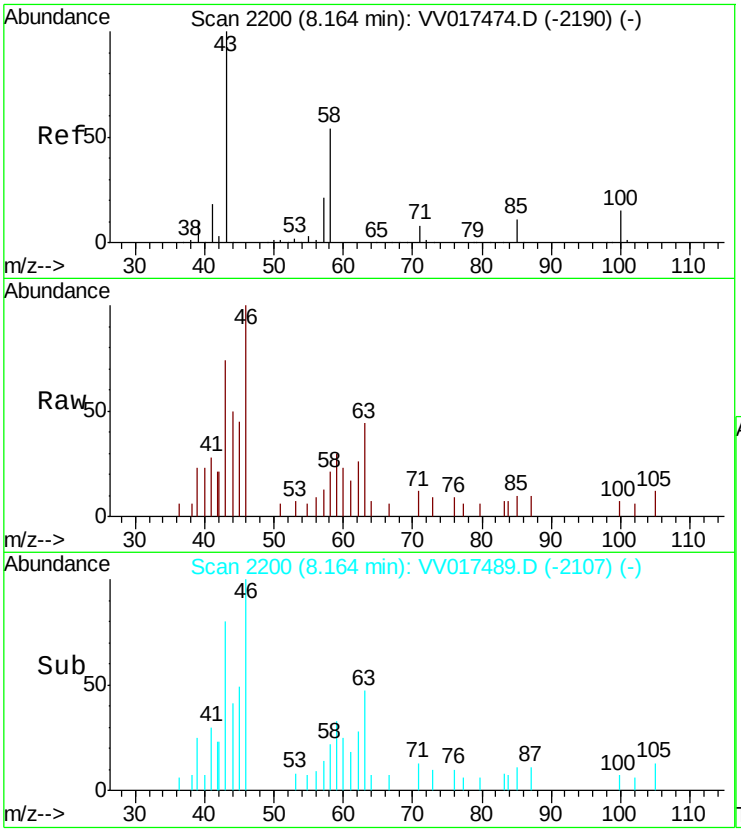




#44
1,2,4-Trimethylbenzene
Concen: 0.050 ug/L
RT: 10.94 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion:105 Resp: 1935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 39.5 | 35.6 | 53.4 |



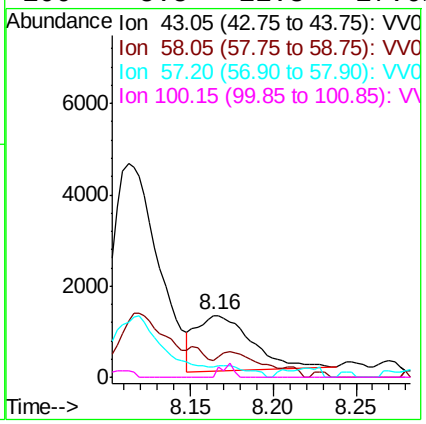


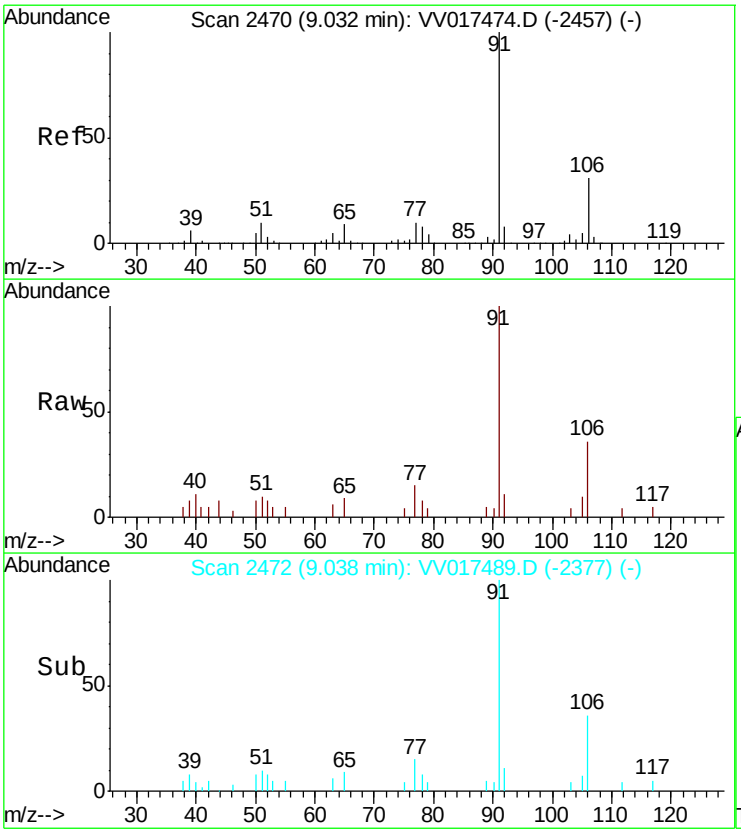

#50
2-Hexanone
Concen: 0.900 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Tgt Ion: 43 Resp: 2843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.2 | 43.0 | 64.4# |
| 57 | 11.4 | 16.8 | 25.2# |
| 100 | 5.5 | 11.8 | 17.6# |

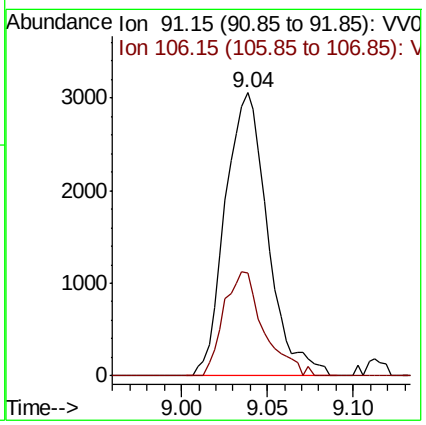


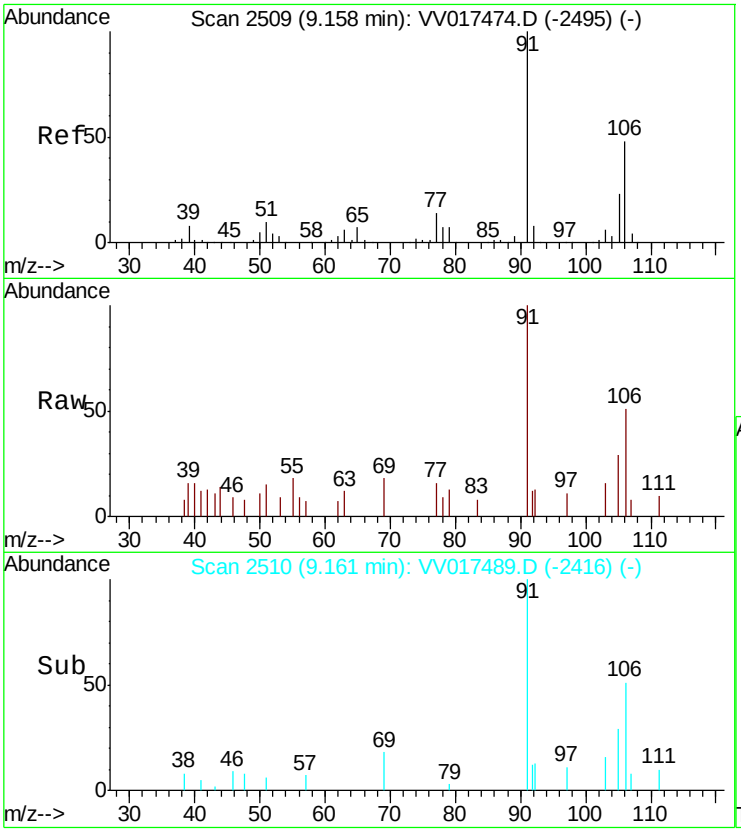




#54
Ethylbenzene
Concen: 0.118 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion: 91 Resp: 5253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 36.3 | 21.9 | 40.7 |



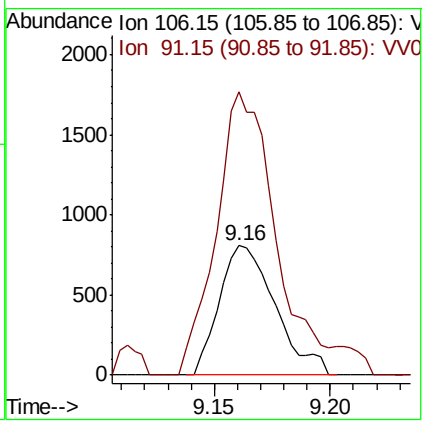


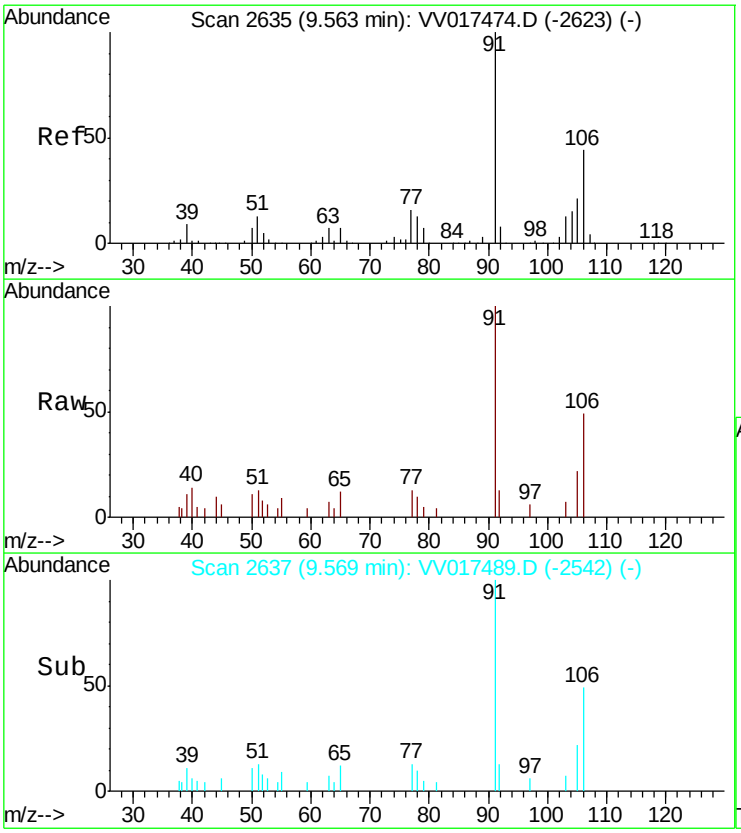

#55
m,p-xylene
Concen: 0.081 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Tgt Ion:106 Resp: 1355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.8 | 144.2 | 267.8 |

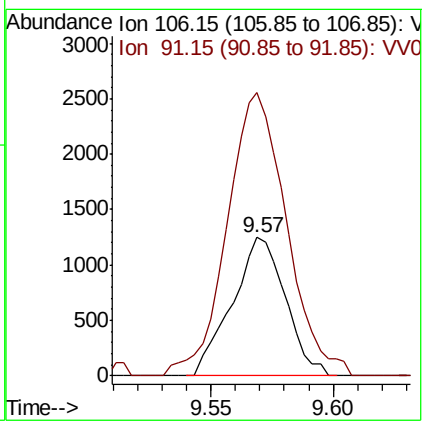


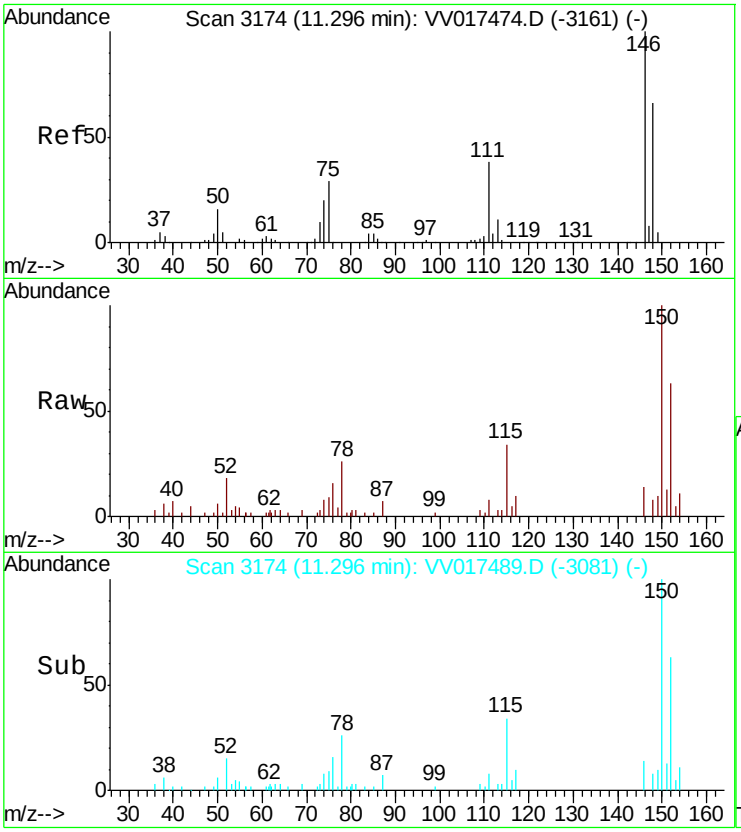




#56
o-xylene
Concen: 0.116 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion:106 Resp: 1884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 158.8 | 294.8 |



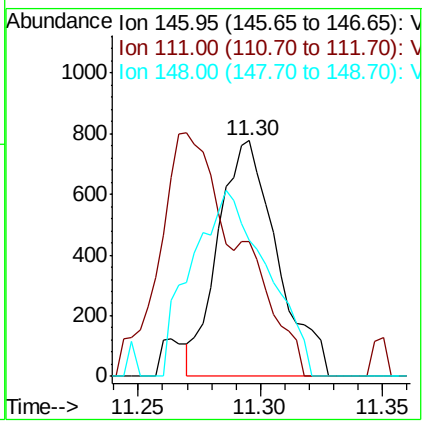


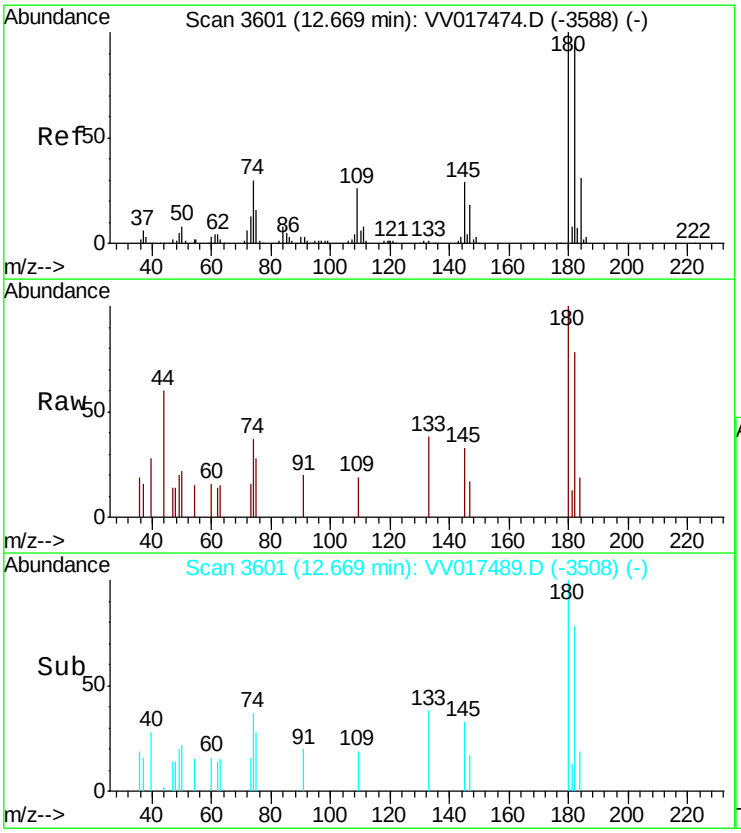

#64
1,4-Dichlorobenzene
Concen: 0.060 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :**
MSVOA_V
**ClientSampleId :**
GAXX0

Tgt Ion:146 Resp: 1307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 57.5 | 26.9 | 50.1# |
| 148 | 57.9 | 46.1 | 85.5 |

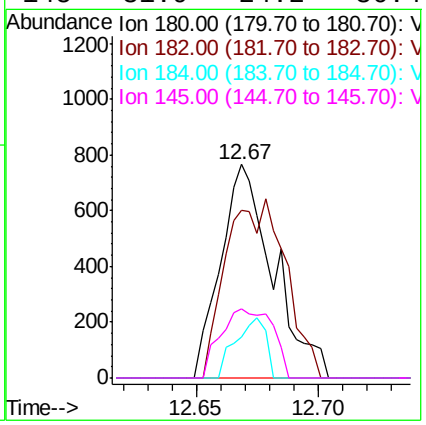


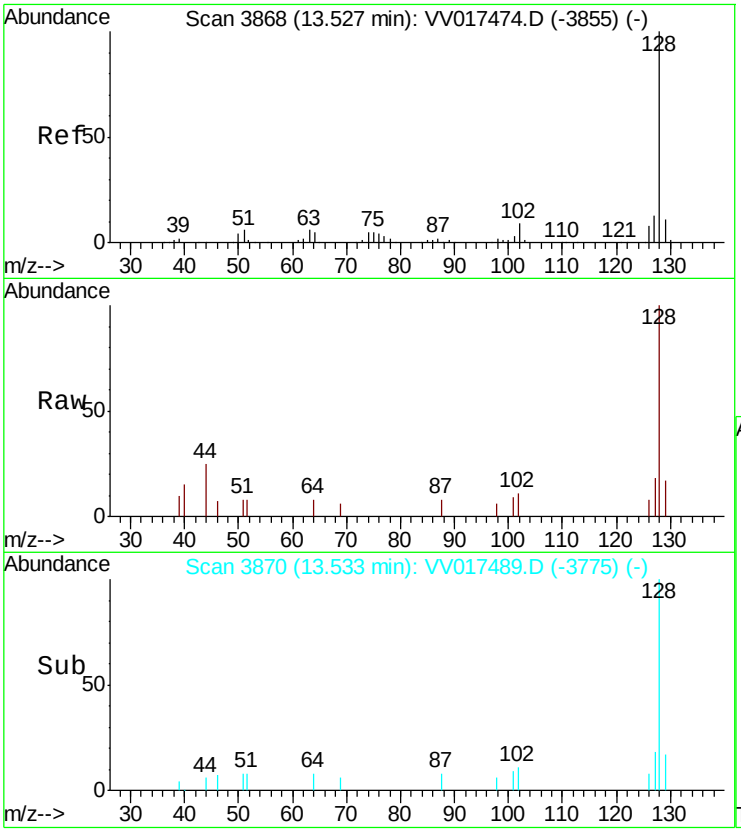




#68
1,3,5-Trichlorobenzene
Concen: 0.064 ug/L
RT: 12.67 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion:180 Resp: 1149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 53.5 | 76.2 | 114.4# |
| 184 | 15.9 | 24.3 | 36.5# |
| 145 | 31.9 | 24.2 | 36.4 |



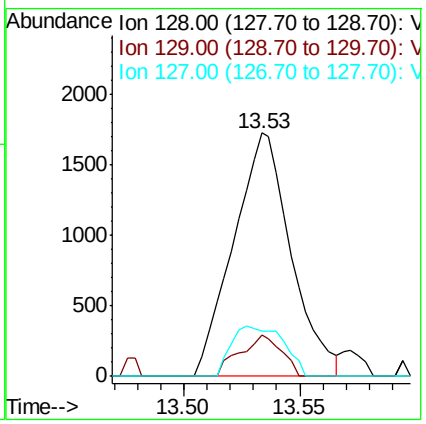


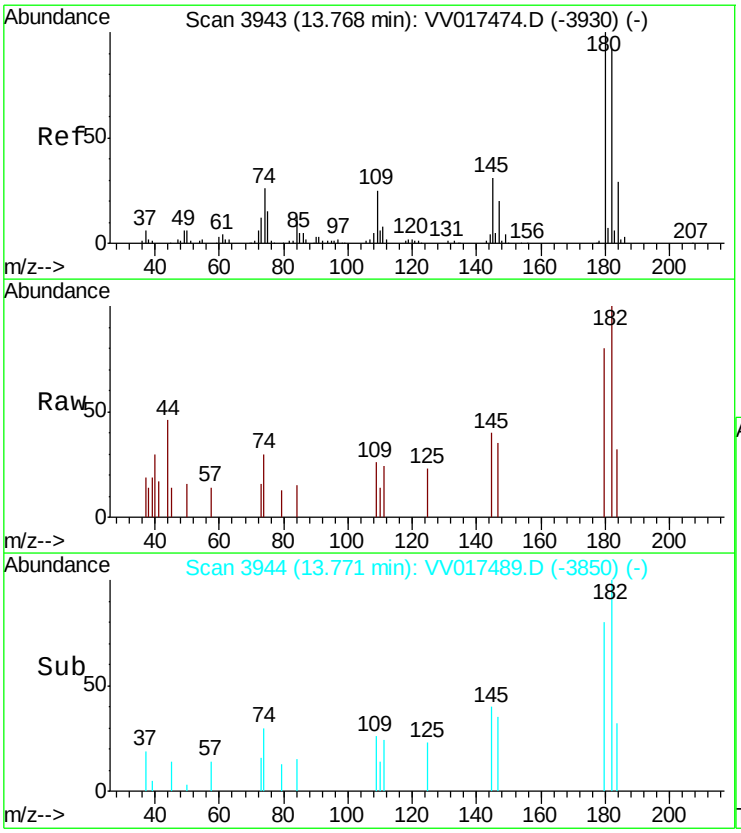

#70
Naphthalene
Concen: 0.144 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

**Instrument :** MSVOA_V
**ClientSampleId :** GAXX0

Tgt Ion:128 Resp: 2976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.2 | 8.5 | 12.7 |
| 127 | 18.6 | 10.6 | 15.8# |




#71
1,2,3-Trichlorobenzene
Concen: 0.091 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV017489.D
Acq: 14 Jul 2020 17:39

Tgt Ion:180 Resp: 1146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 118.0 | 74.0 | 111.0# |
| 145 | 35.1 | 26.0 | 39.0 |