Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053120\
Data File : VV016393.D
Acq On : 31 May 2020 17:26
Operator : SY/MD
Sample : L2780-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 01 07:21:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 69298 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 68191 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 28504 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 29029 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 22738 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 98.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 41974 | 3.96 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 79.20% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 70470 | 53.83 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 107.66% | | | |
| 24) Chloroform-d | 4.38 | 84 | 50437 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 28124 | 5.26 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 105.20% | | | |
| 32) Benzene-d6 | 5.08 | 84 | 100010 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 103.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.10 | 67 | 31540 | 5.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 105.40% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 85810 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.80% | | | |
| 45) trans-1,3-Dichloropropene- | 7.65 | 79 | 9651 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.40% | | | |
| 48) 2-Hexanone-d5 | 8.12 | 63 | 49844 | 49.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 99.28% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 21117 | 4.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.80% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 29231 | 5.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 110.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.25 | 50 | 1344 | 0.194 | ug/L | 94 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 352 | 0.075 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 2180 | 0.489 | ug/L # | 1 |
| 15) Methyl Acetate | 2.47 | 43 | 583 | 0.264 | ug/L # | 52 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 2037 | 0.195 | ug/L # | 85 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 597 | 0.064 | ug/L # | 71 |
| 27) 1,2-Dichloroethane | 5.07 | 62 | 601 | 0.097 | ug/L # | 76 |
| 34) Trichloroethene | 5.95 | 95 | 788 | 0.149 | ug/L # | 86 |
| 35) Methylcyclohexane | 6.10 | 83 | 7305 | 0.857 | ug/L # | 15 |
| 37) 1,2-Dichloropropane | 6.10 | 63 | 3554 | 0.696 | ug/L # | 87 |
| 39) cis-1,3-Dichloropropene | 7.02 | 75 | 859 | 0.127 | ug/L # | 75 |
| 46) trans-1,3-Dichloropropene | 7.65 | 75 | 448 | 0.080 | ug/L # | 21 |
| 50) 2-Hexanone | 8.18 | 43 | 1011 | 0.470 | ug/L # | 38 |
| 70) Naphthalene | 13.53 | 128 | 3413 | 0.263 | ug/L # | 91 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053120\
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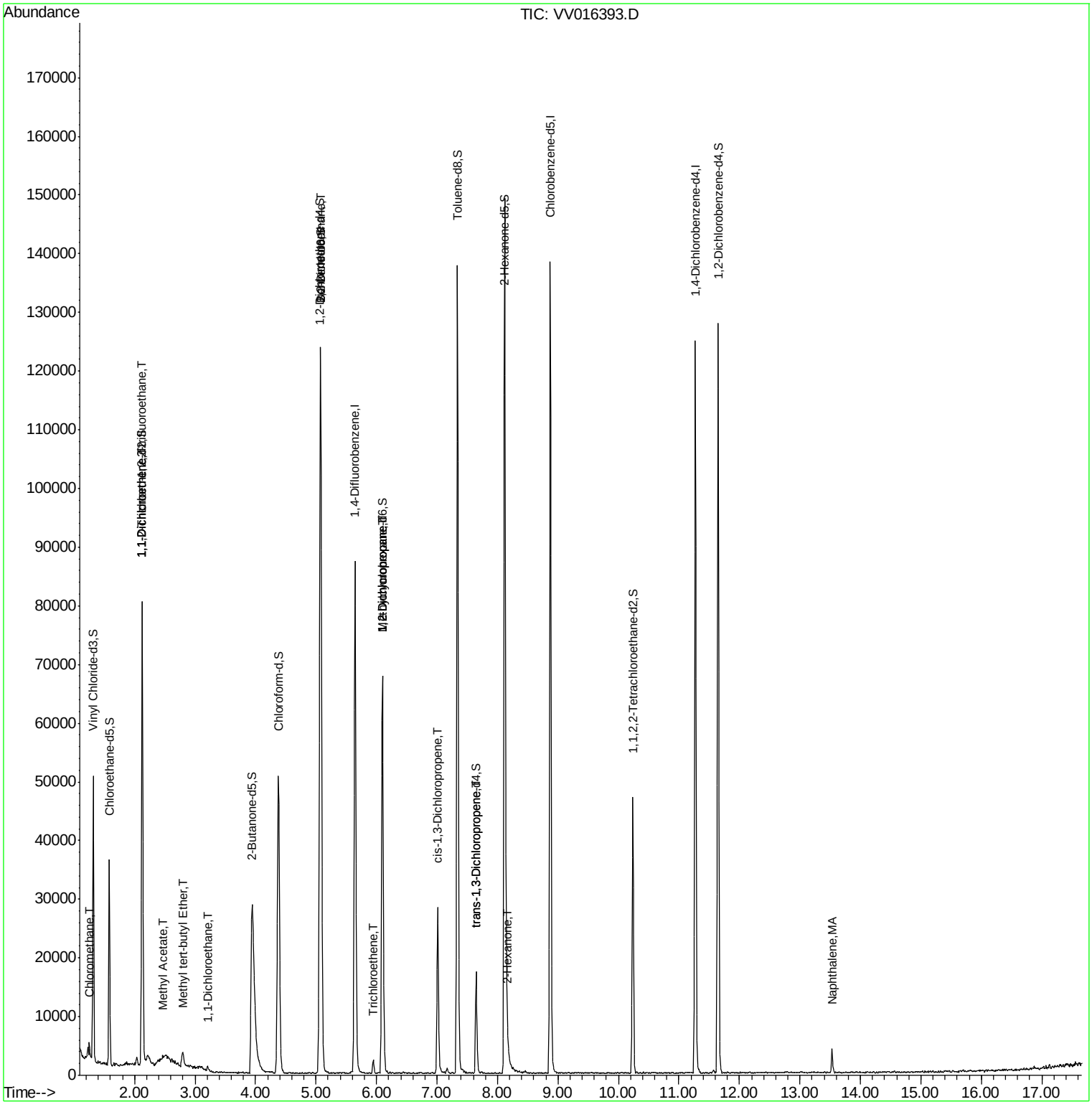
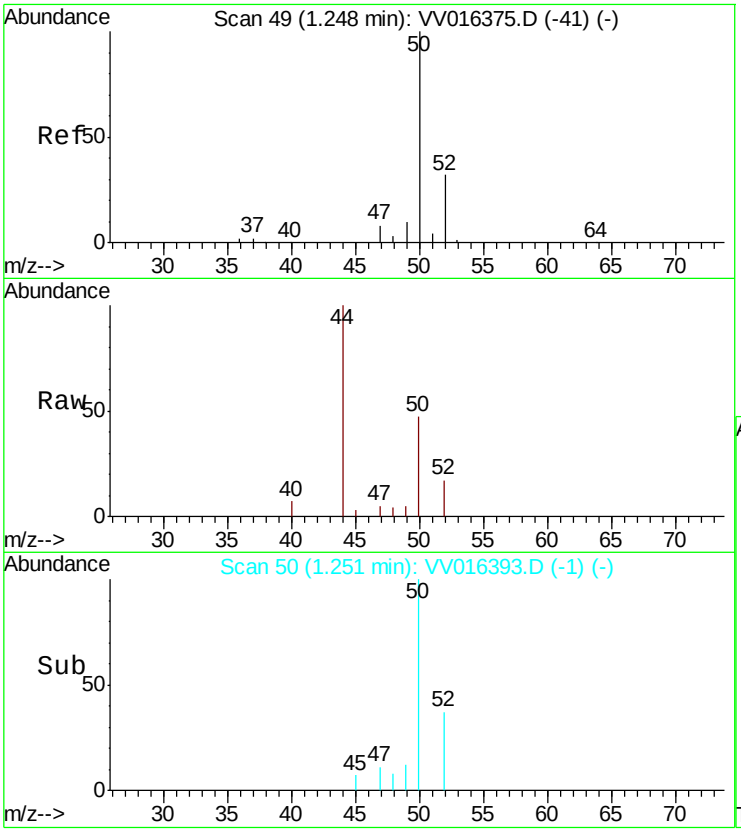
Acq On : 31 May 2020 17:26
Operator : SY/MD
Sample : L2780-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 01 07:21:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 07:14:30 2020
Response via : Initial Calibration



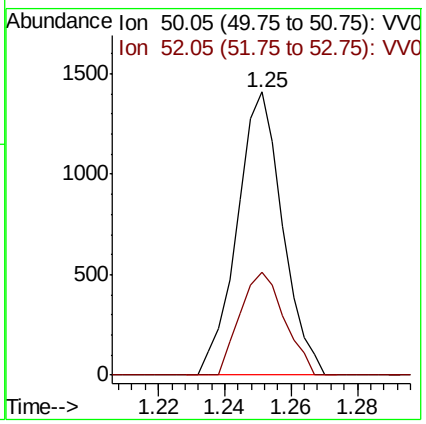


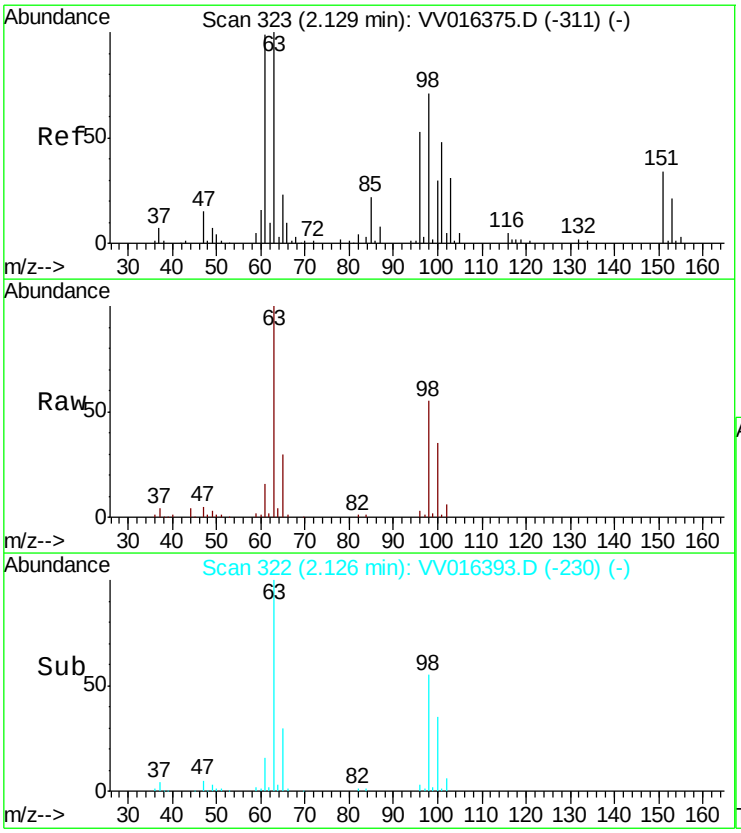

#3
Chloromethane
Concen: 0.194 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 50 Resp: 1344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.6 | 23.1 | 42.9 |

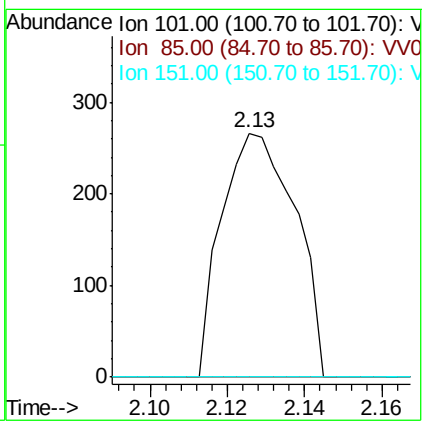


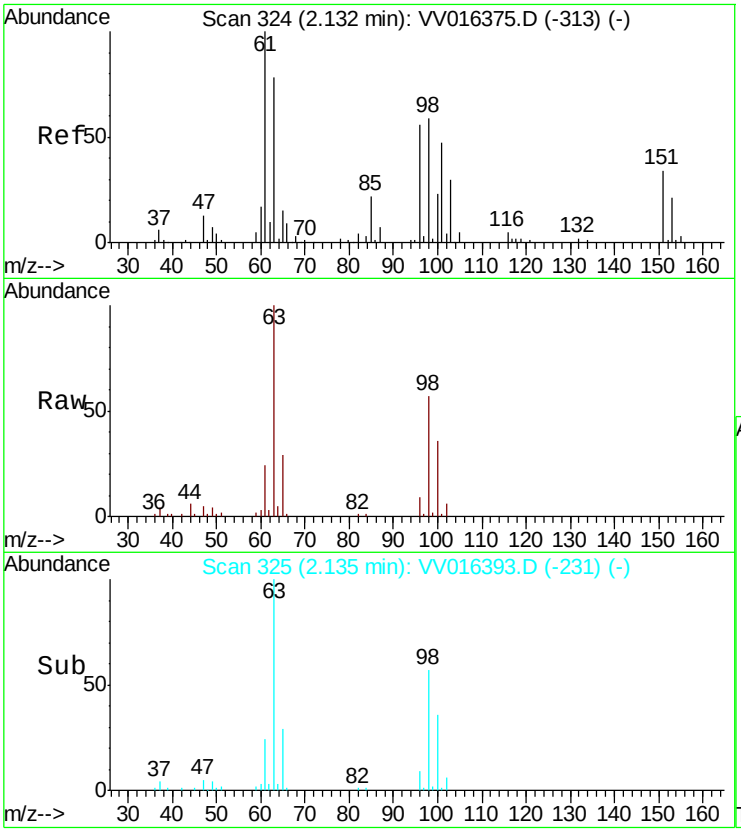




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.075 ug/L
RT: 2.13 min Scan# 322
Delta R.T. -0.00 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion:101 Resp: 352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 35.7 | 53.5# |
| 151 | 0.0 | 57.2 | 85.8# |



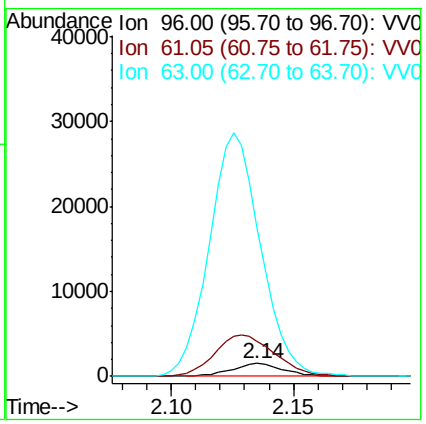


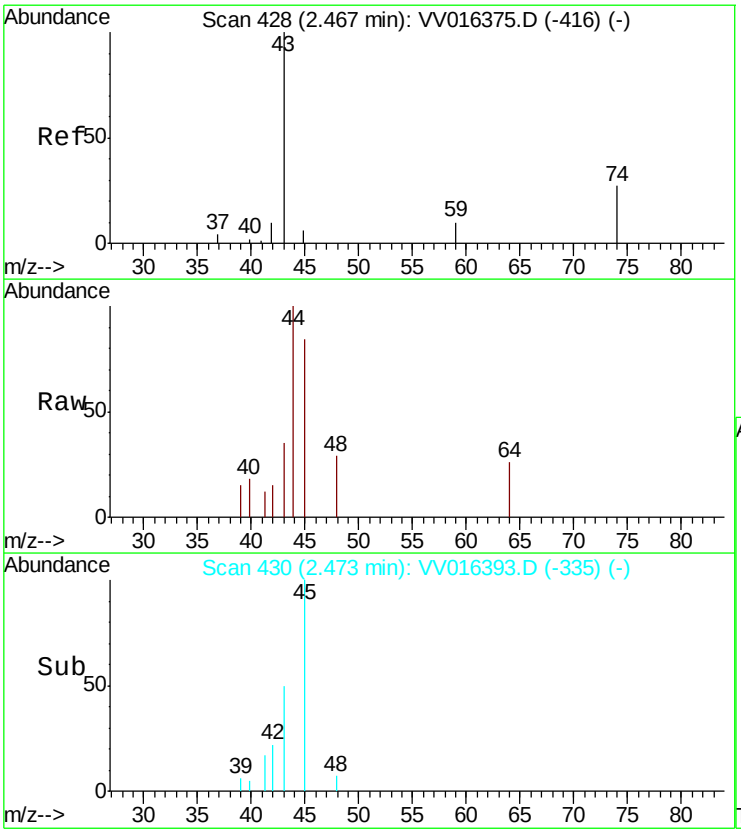

#12
1,1-Dichloroethene
Concen: 0.489 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 96 Resp: 2180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 275.7 | 125.4 | 233.0# |
| 63 | 1166.9 | 88.2 | 163.8# |

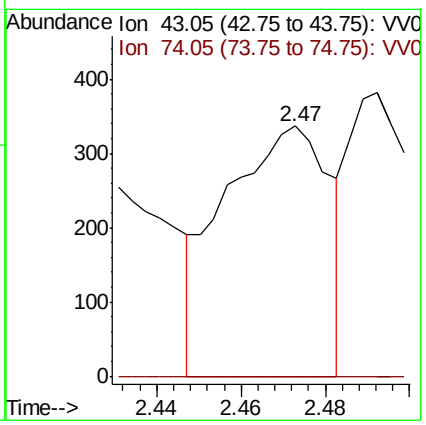


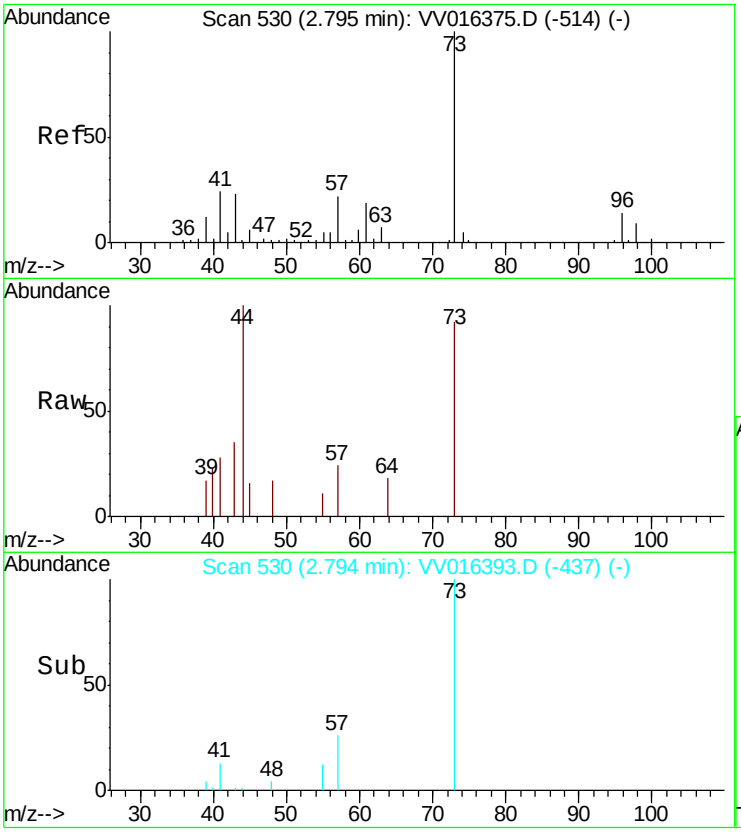




#15
Methyl Acetate
Concen: 0.264 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion: 43 Resp: 583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 18.6 | 28.0# |



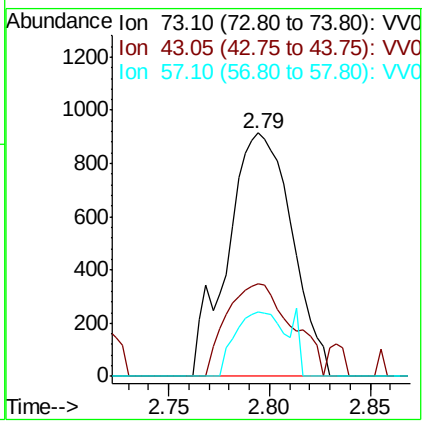


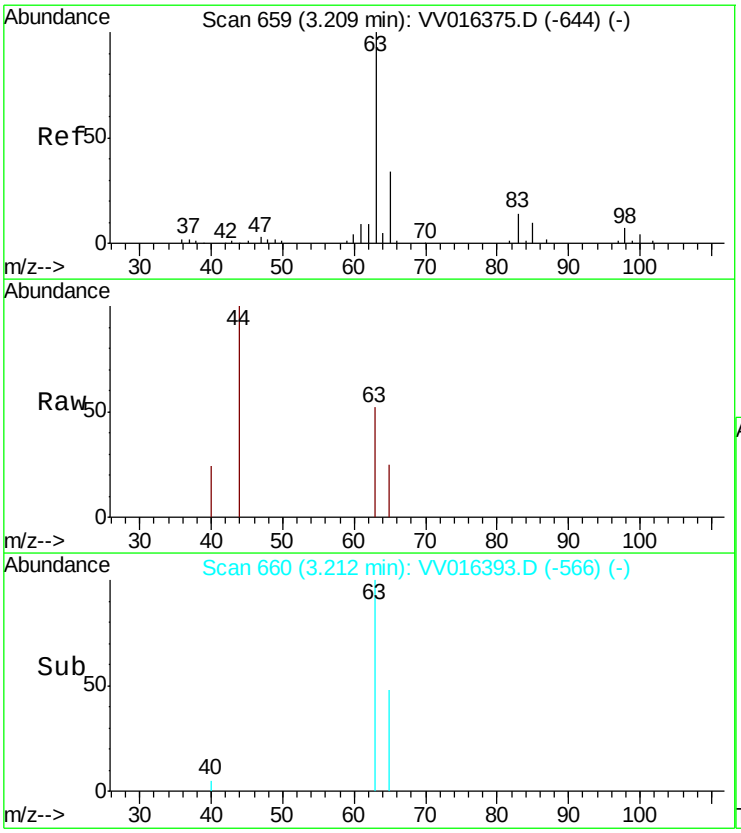

#17
Methyl tert-butyl Ether
Concen: 0.195 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 73 Resp: 2037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 38.2 | 19.4 | 29.0# |
| 57 | 22.4 | 18.4 | 27.6 |

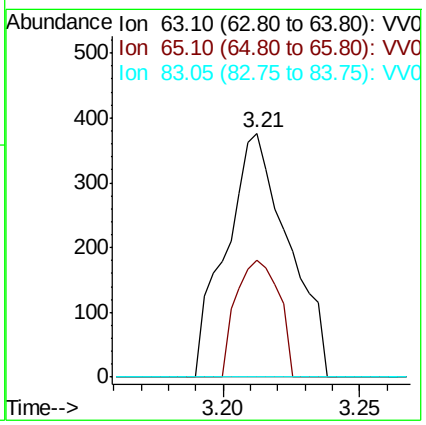


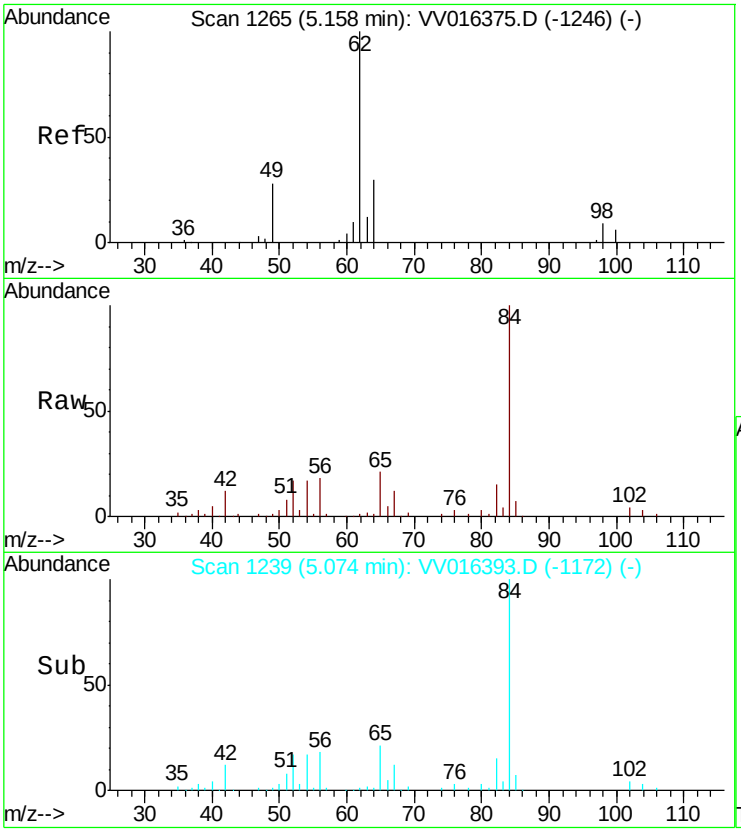




#19
1,1-Dichloroethane
Concen: 0.064 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion: 63 Resp: 597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 48.1 | 23.3 | 43.3# |
| 83 | 0.0 | 9.9 | 18.3# |



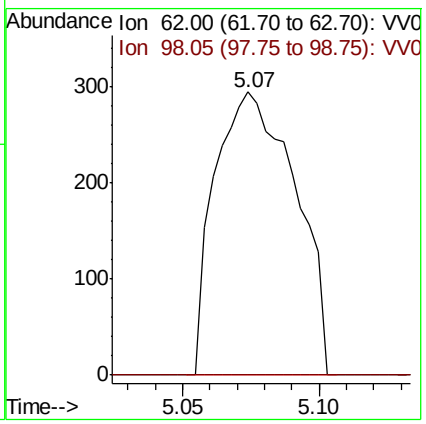


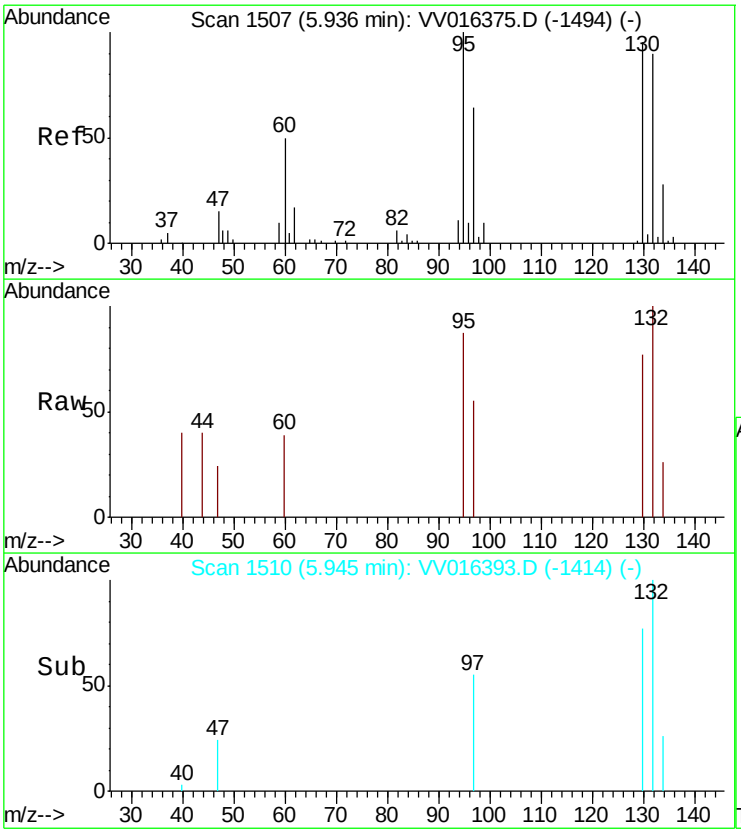

#27
1,2-Dichloroethane
Concen: 0.097 ug/L
RT: 5.07 min Scan# 1239
Delta R.T. -0.08 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 62 Resp: 601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 7.0 | 10.4# |

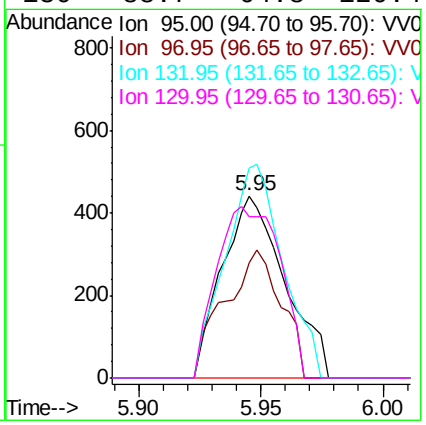


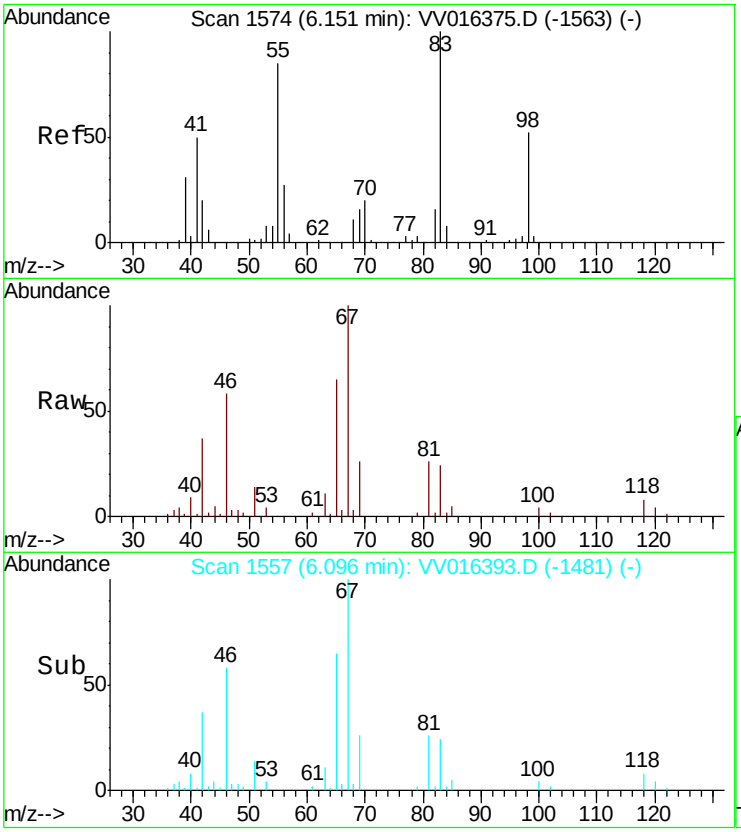




#34
Trichloroethene
Concen: 0.149 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion: 95 Resp: 788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.1 | 42.6 | 79.0 |
| 132 | 115.4 | 59.6 | 110.8# |
| 130 | 88.7 | 64.8 | 120.4 |



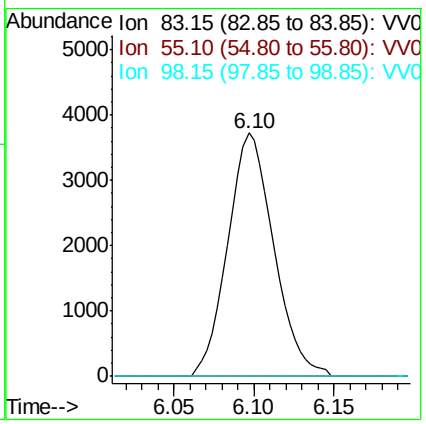


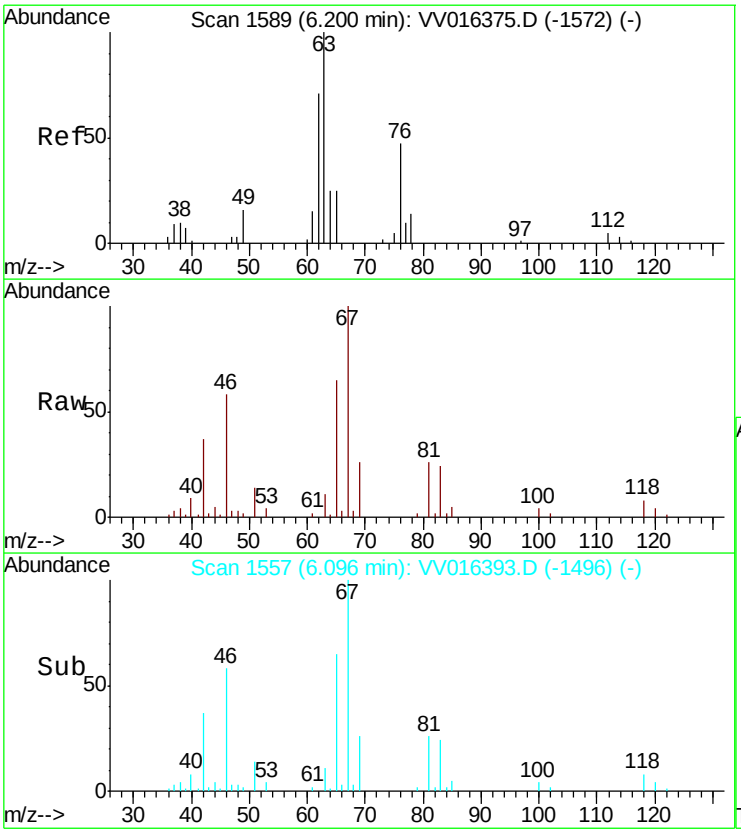

#35
Methylcyclohexane
Concen: 0.857 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 83 Resp: 7305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 67.0 | 100.4# |
| 98 | 0.0 | 39.0 | 58.4# |

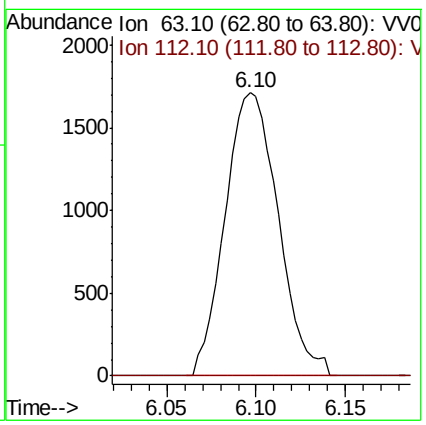


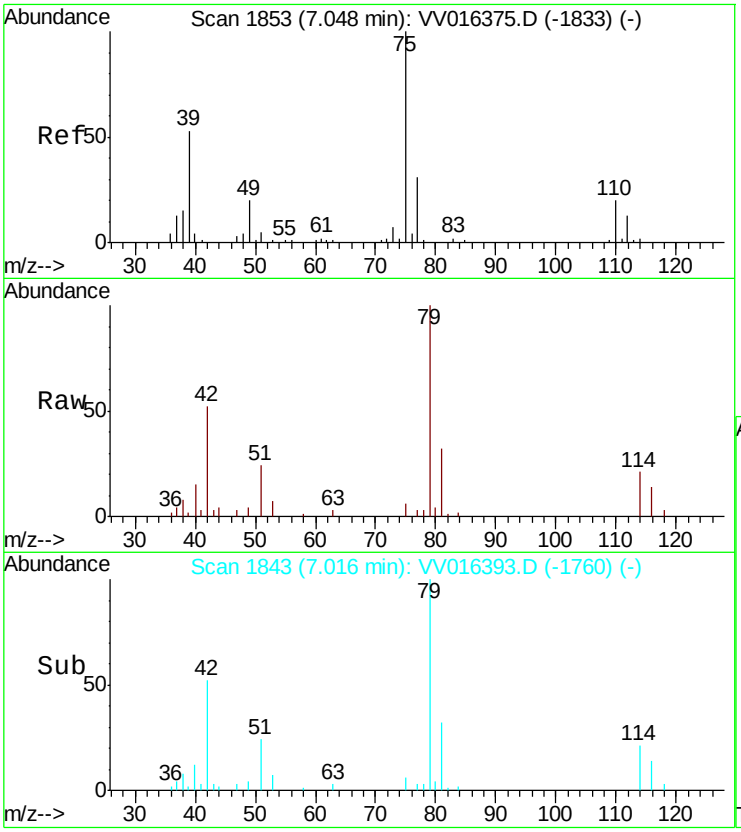




#37
1,2-Dichloropropane
Concen: 0.696 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion: 63 Resp: 3554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.4 | 5.0# |



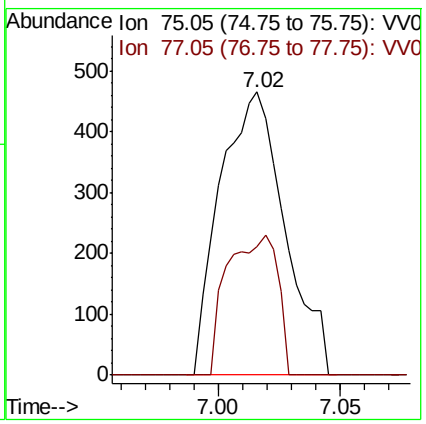


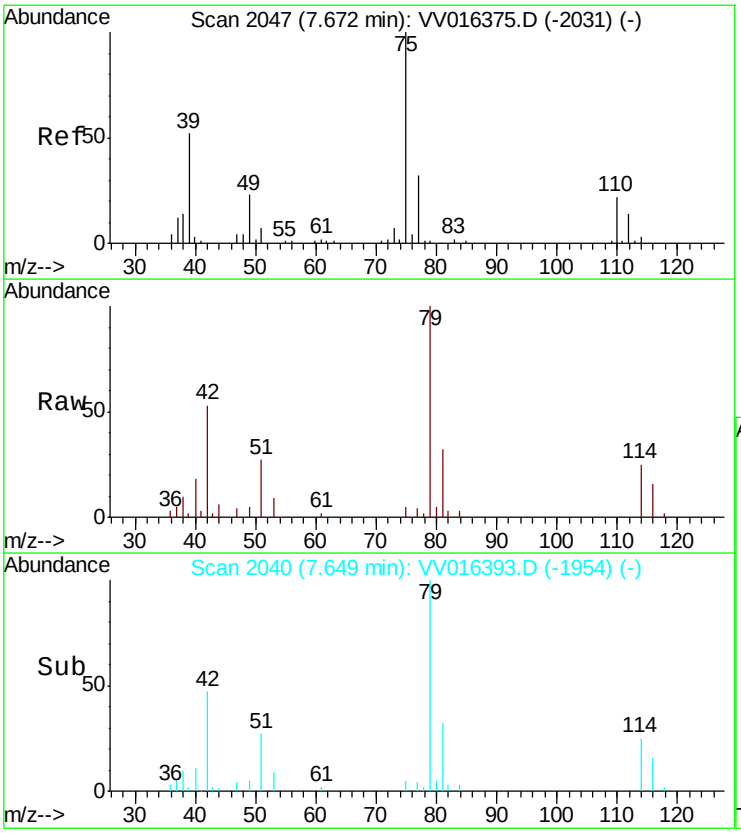

#39
cis-1,3-Dichloropropene
Concen: 0.127 ug/L
RT: 7.02 min Scan# 1843
Delta R.T. -0.03 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 75 Resp: 859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.6 | 22.0 | 41.0# |

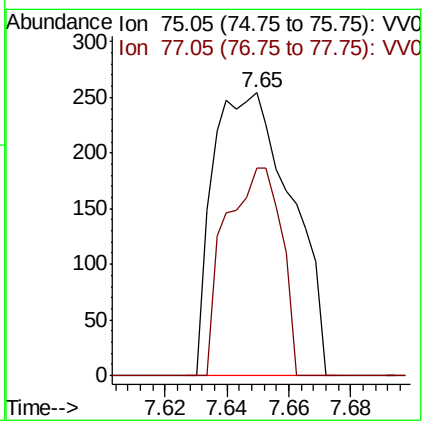


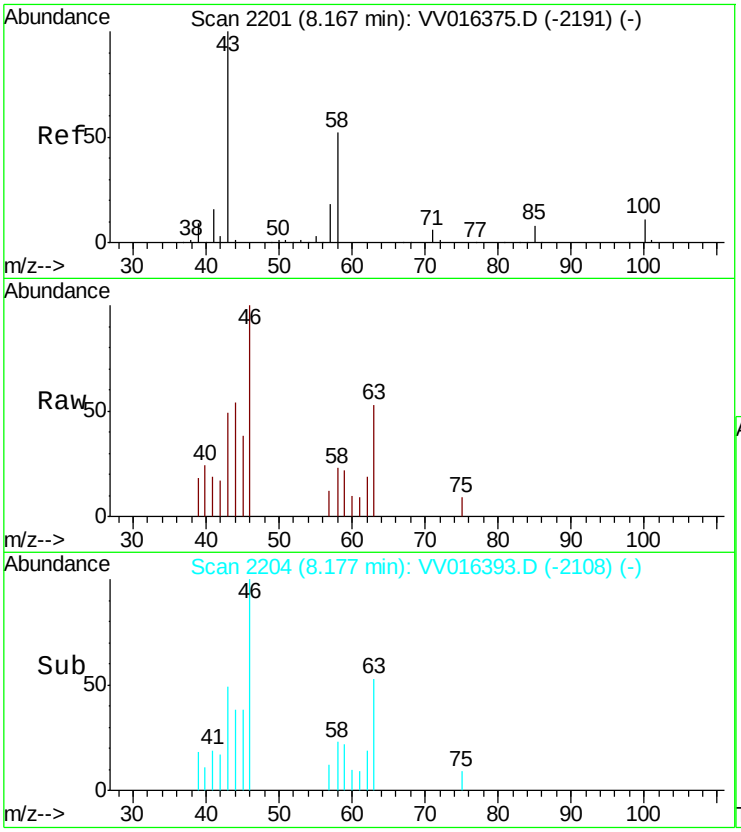




#46
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion: 75 Resp: 448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 73.2 | 21.1 | 39.3# |



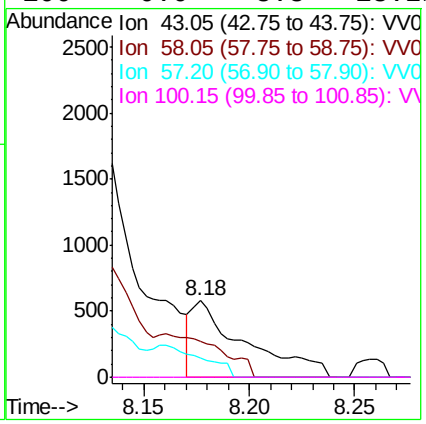


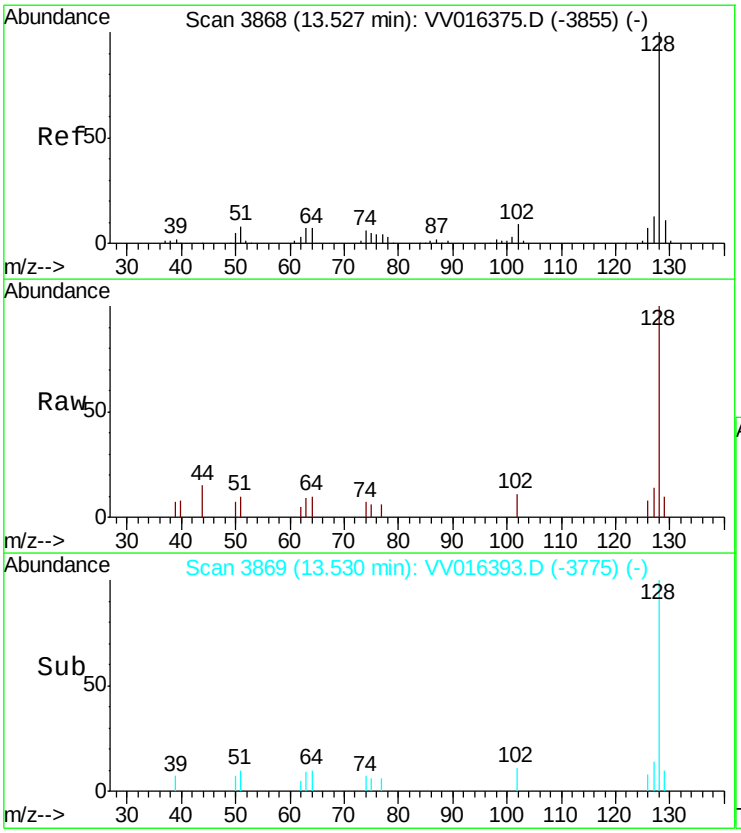

#50
2-Hexanone
Concen: 0.470 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

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

Tgt Ion: 43 Resp: 1011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 41.1 | 61.7# |
| 57 | 39.1 | 14.2 | 21.4# |
| 100 | 0.0 | 8.8 | 13.2# |




#70
Naphthalene
Concen: 0.263 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.00 min
Lab File: VV016393.D
Acq: 31 May 2020 17:26

Tgt Ion:128 Resp: 3413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 6.4 | 8.6 | 12.8# |
| 127 | 10.4 | 10.7 | 16.1# |