Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\

Quantitation Report (Not Reviewed)

Data File : VV013333.D
Acq On : 25 Oct 2019 01:17
Operator : SY/MD
Sample : K5462-23
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** H0G16

Quant Time: Oct 25 04:48:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 428579 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 453809 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 240419 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 174016 | 5.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 110.20% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 126927 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 97.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 186689 | 3.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 66.40% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 298130 | 49.13 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 98.26% | | | |
| 24) Chloroform-d | 4.40 | 84 | 318699 | 4.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 85.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 156469 | 4.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 658486 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 199885 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.40% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 534670 | 3.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 78.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 54874 | 3.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 65.60% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 178938 | 30.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 60.02% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 133737 | 4.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 83.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 230427 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 98.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Vinyl chloride | 1.32 | 62 | 3640743 | 88.024 | ug/L | 99 |
| 8) Chloroethane | 1.32 | 64 | 1183911 | 48.032 | ug/L # | 43 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 442924 | 5.676 | ug/L | 95 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 140785 | 3.544 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 66809 | 1.035 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 534419 | 12.570 | ug/L # | 93 |
| 25) Chloroform | 4.42 | 83 | 16518 | 0.196 | ug/L | 95 |
| 33) Benzene | 5.15 | 78 | 60174 | 0.347 | ug/L | 100 |
| 35) Methylcyclohexane | 6.12 | 83 | 49153 | 0.687 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 22132 | 0.526 | ug/L # | 86 |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 2559 | 0.057 | ug/L # | 66 |
| 48) 2-Hexanone | 8.18 | 43 | 11554 | 0.752 | ug/L # | 38 |

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

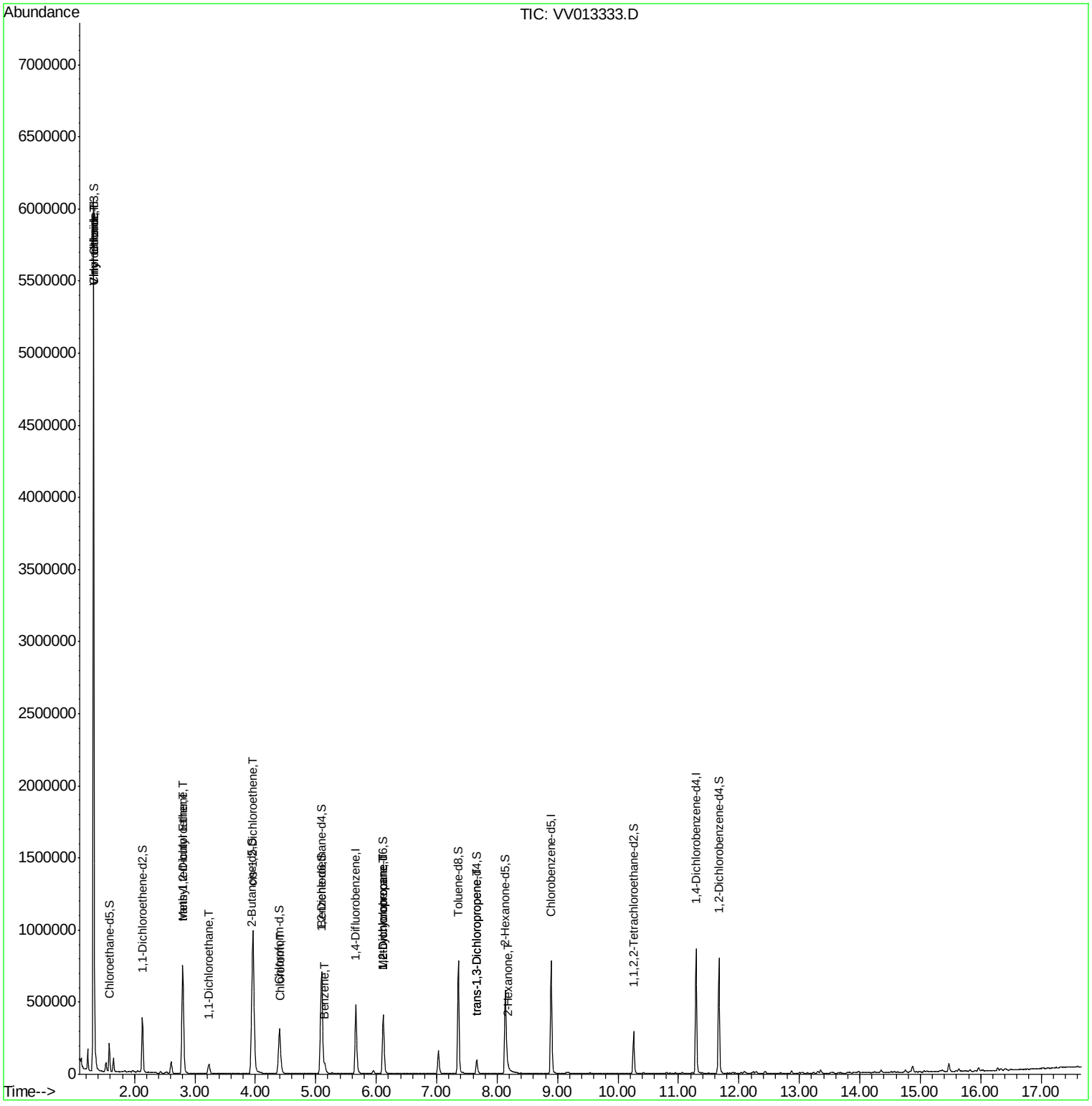
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\

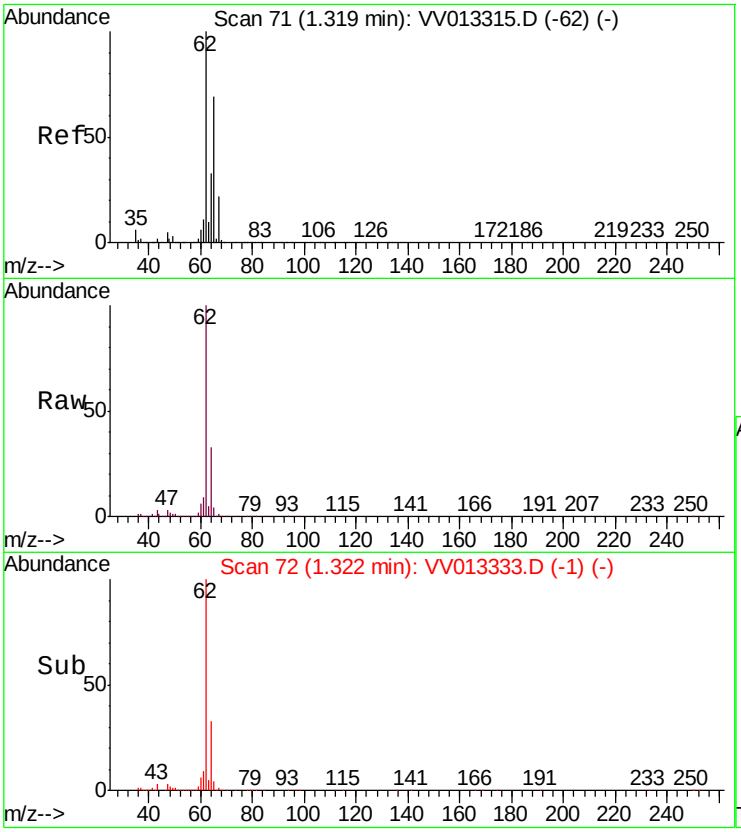
Quantitation Report (Not Reviewed)

Data File : VV013333.D
Acq On : 25 Oct 2019 01:17
Operator : SY/MD
Sample : K5462-23
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** H0G16

Quant Time: Oct 25 04:48:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration



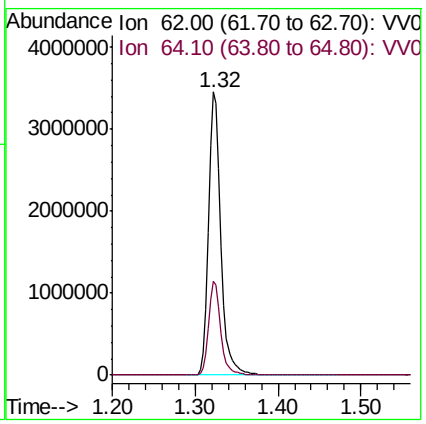


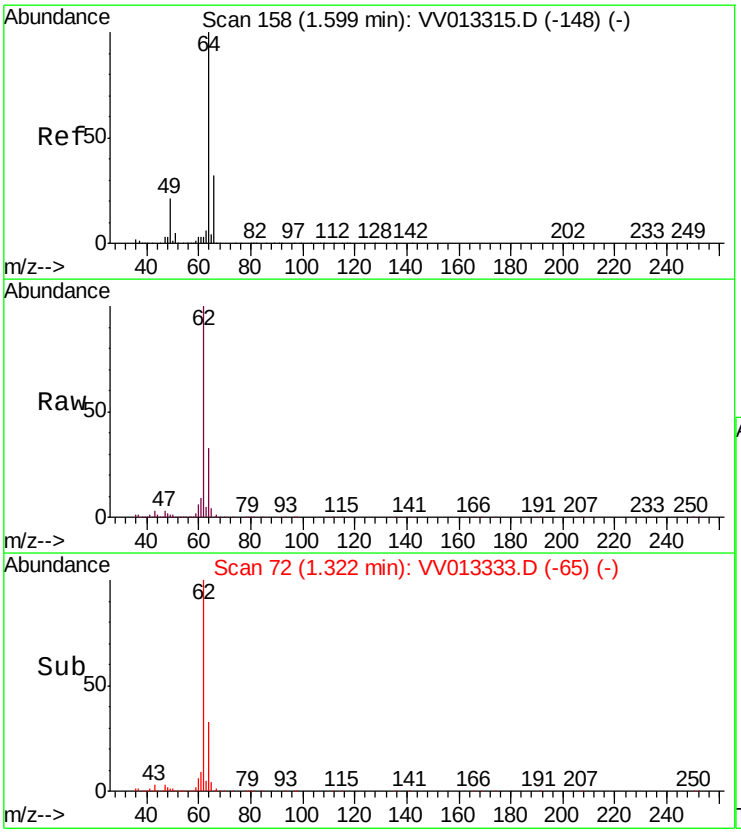

#5
Vinyl chloride
Concen: 88.024 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0G16

Tgt Ion: 62 Resp: 3640743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.1 | 22.9 | 42.5 |

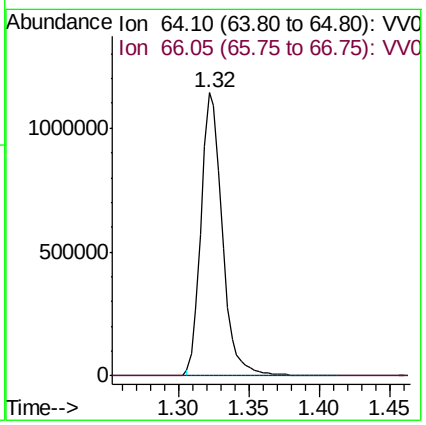


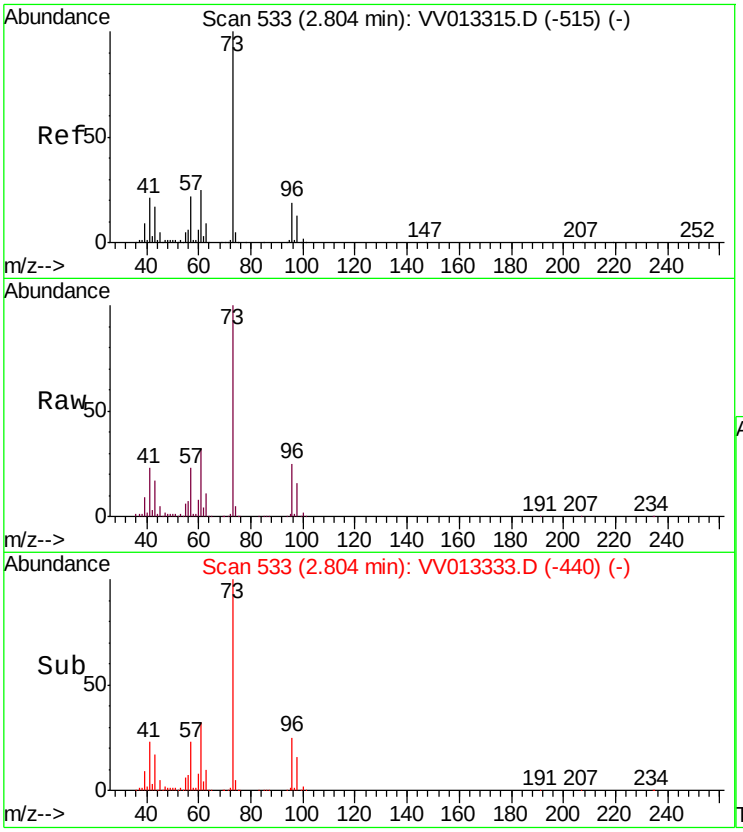




#8
Chloroethane
Concen: 48.032 ug/L
RT: 1.32 min Scan# 72
Delta R.T. -0.28 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

Tgt Ion: 64 Resp: 1183911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.3 | 22.7 | 42.3# |



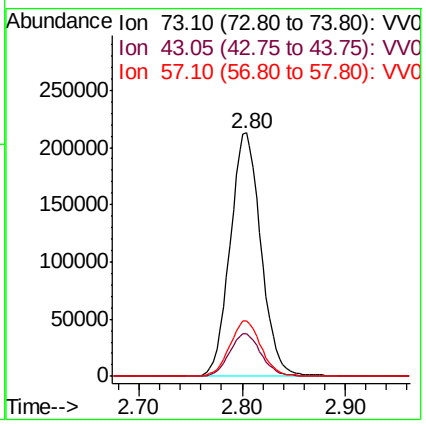


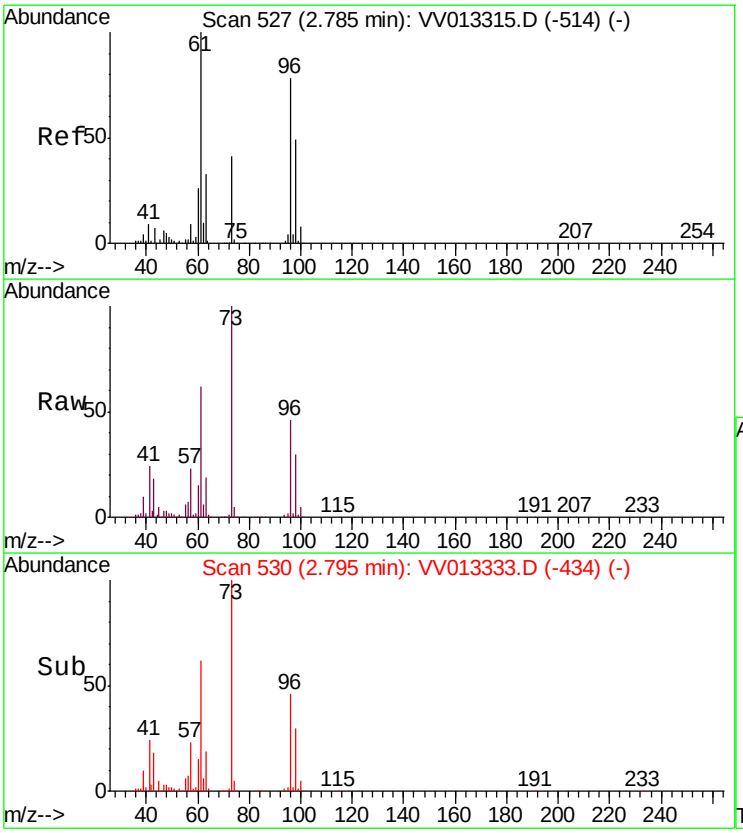

#17
Methyl tert-butyl Ether
Concen: 5.676 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

**Instrument :** MSVOA_V
**ClientSampleId :** H0G16

Tgt Ion: 73 Resp: 442924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.8 | 13.1 | 19.7 |
| 57 | 23.1 | 16.4 | 24.6 |

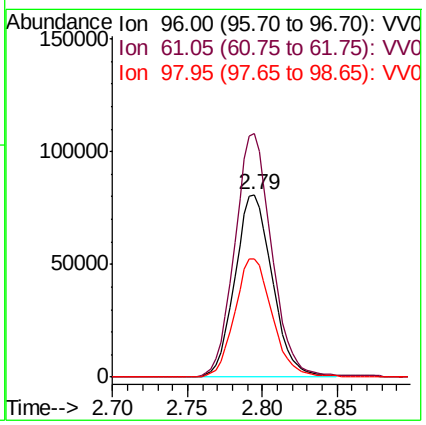


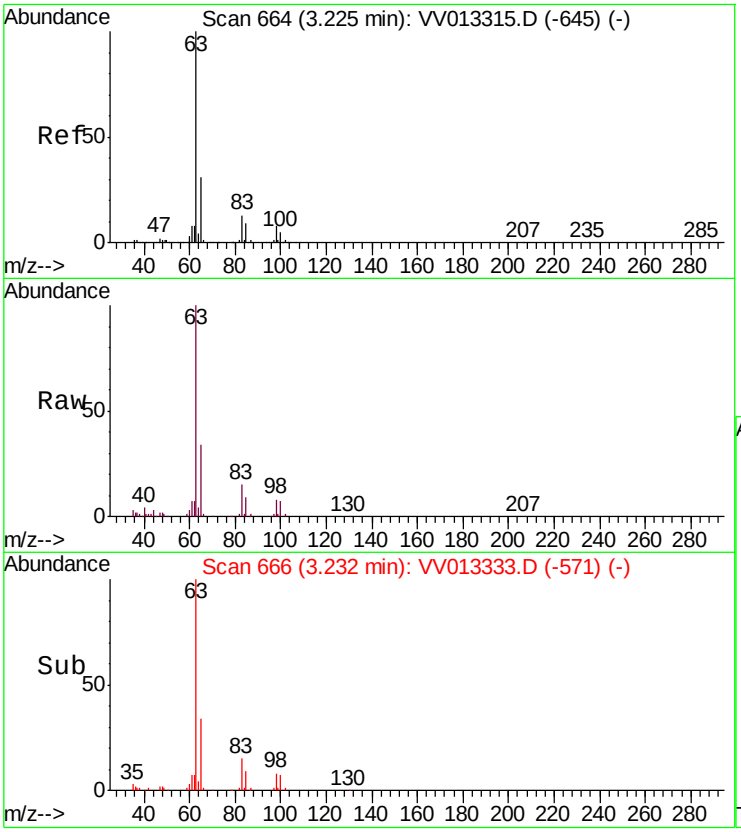




#18
trans-1,2-Dichloroethene
Concen: 3.544 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

Tgt Ion: 96 Resp: 140785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.4 | 84.4 | 156.8 |
| 98 | 65.0 | 44.4 | 82.4 |



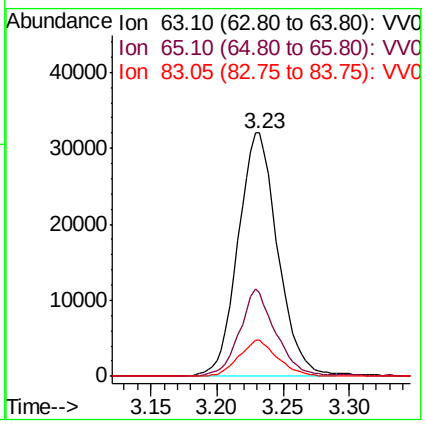


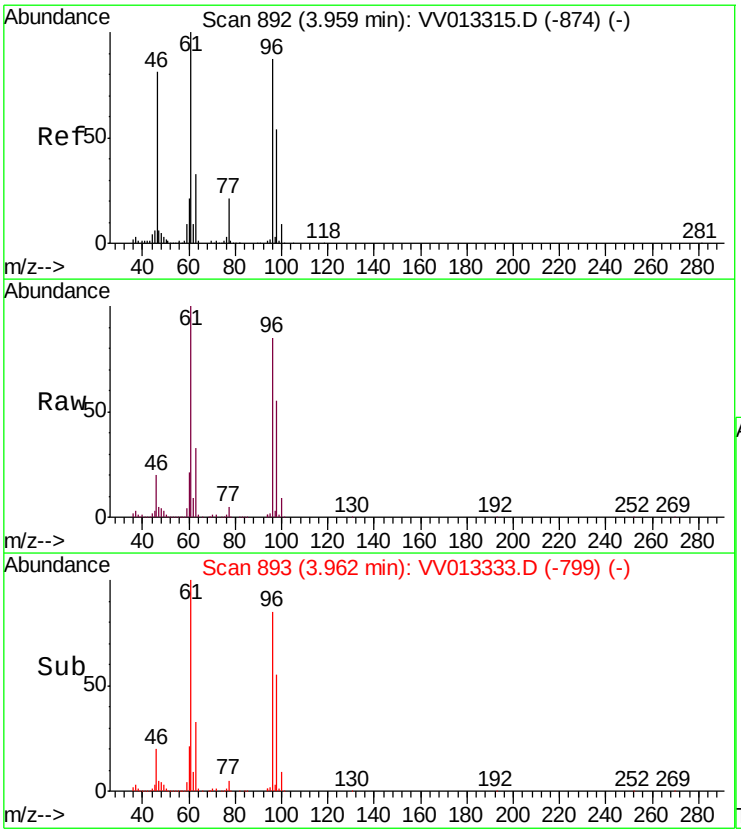

#19
1,1-Dichloroethane
Concen: 1.035 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.01 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

**Instrument :** MSVOA_V
**ClientSampleId :** H0G16

Tgt Ion: 63 Resp: 66809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.2 | 23.0 | 42.8 |
| 83 | 15.0 | 10.2 | 19.0 |

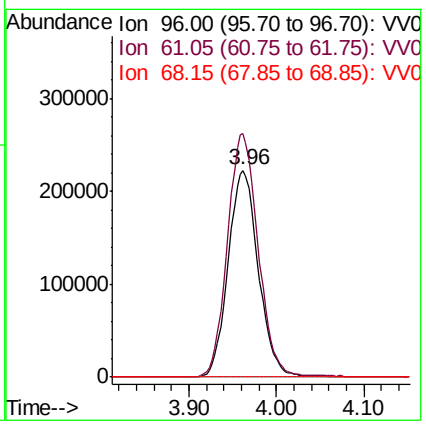


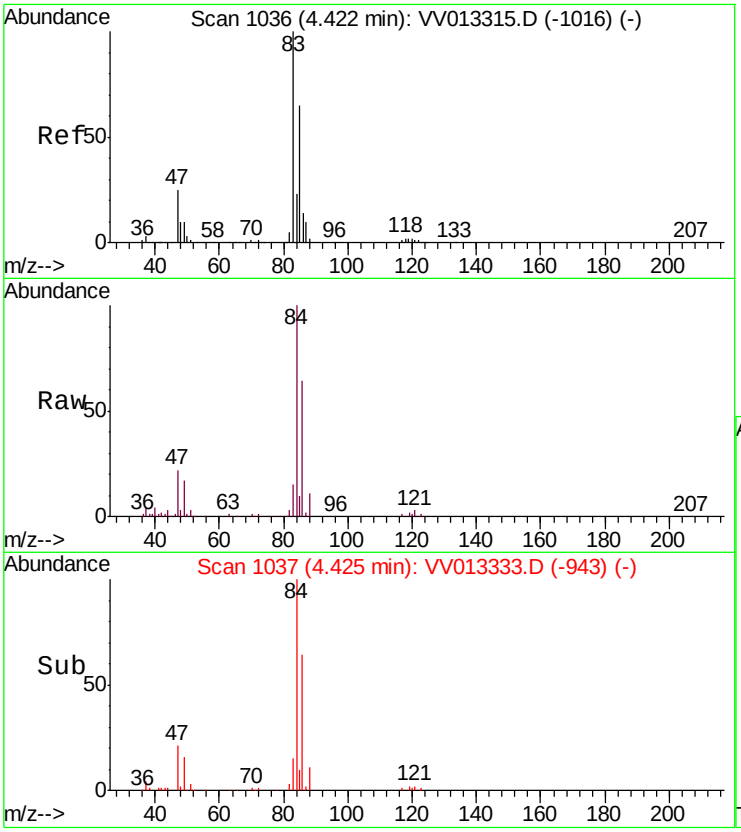




#22
cis-1,2-Dichloroethene
Concen: 12.570 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

Tgt Ion: 96 Resp: 534419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 117.7 | 77.3 | 143.7 |
| 68 | 0.0 | 0.1 | 0.1# |



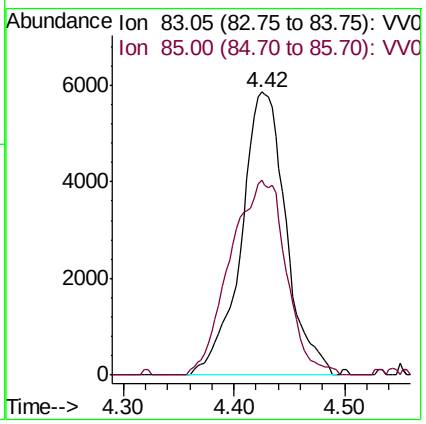


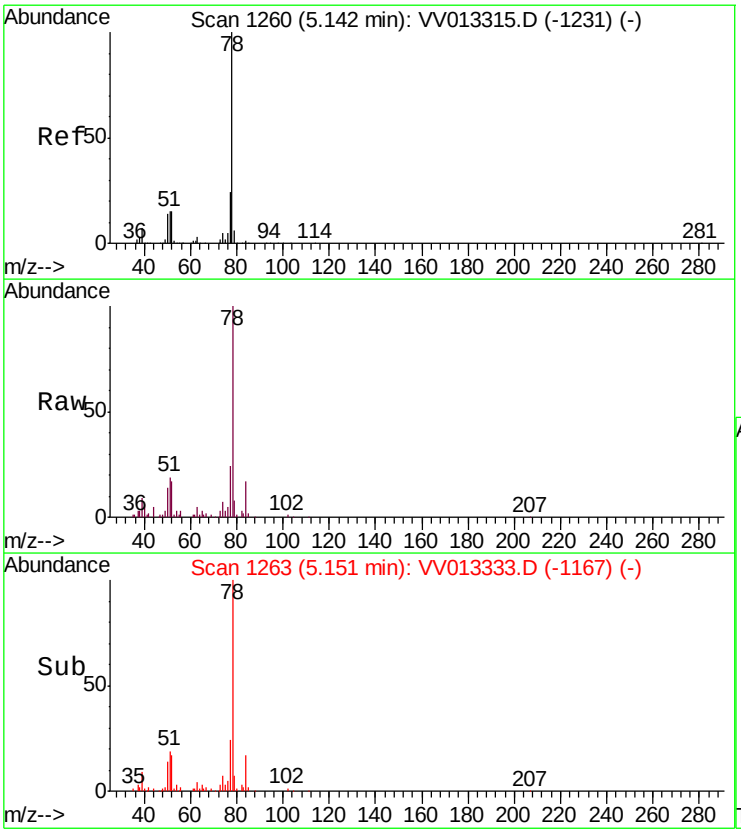

#25
Chloroform
Concen: 0.196 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0G16

Tgt Ion: 83 Resp: 16518

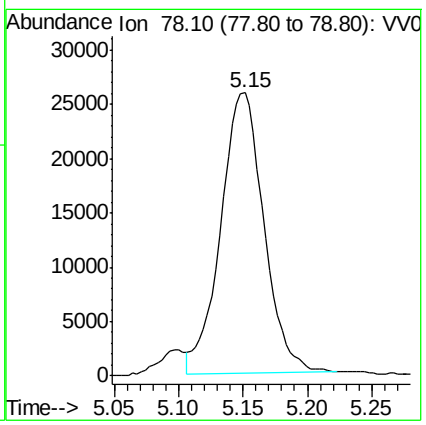
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 69.0 | 45.7 | 84.9 |

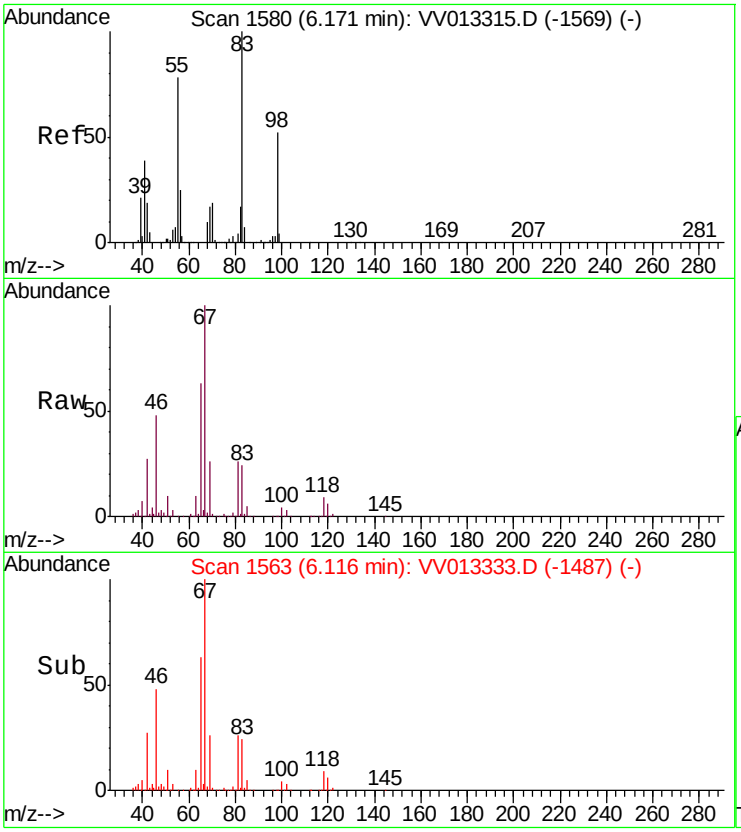



#33
Benzene
Concen: 0.347 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

Tgt Ion: 78 Resp: 60174



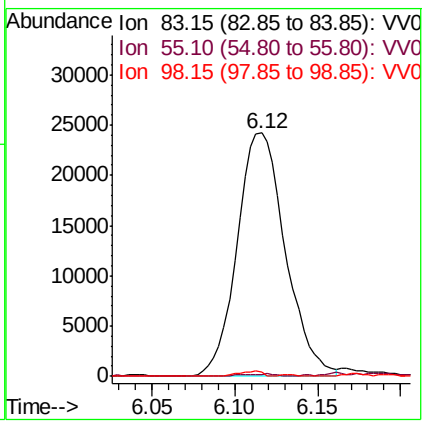


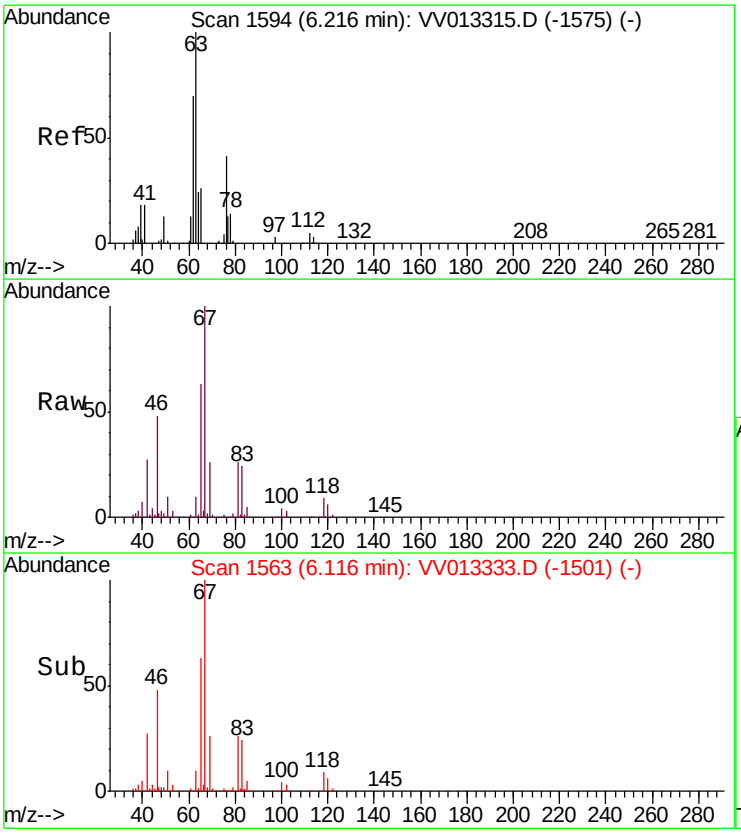

#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

**Instrument :**
MSVOA_V
**ClientSampleId :**
H0G16

Tgt Ion: 83 Resp: 49153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.7 | 62.4 | 93.6# |
| 98 | 1.0 | 39.2 | 58.8# |

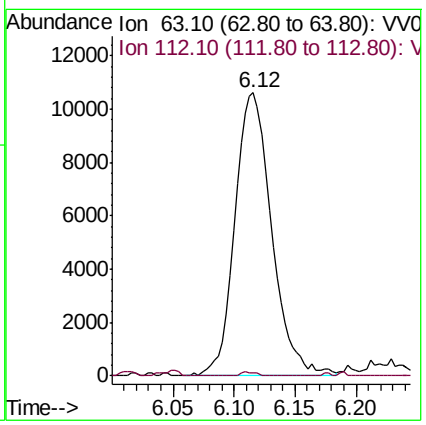


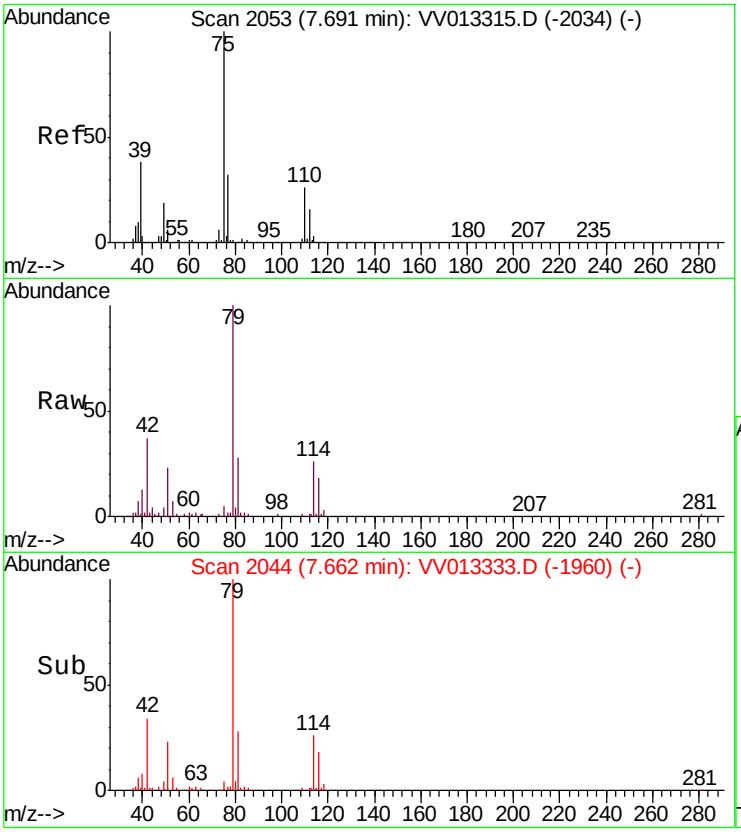




#37
1,2-Dichloropropane
Concen: 0.526 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

Tgt Ion: 63 Resp: 22132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.6 | 4.1 | 6.1# |



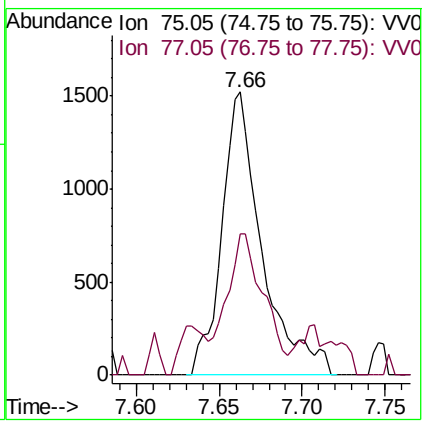


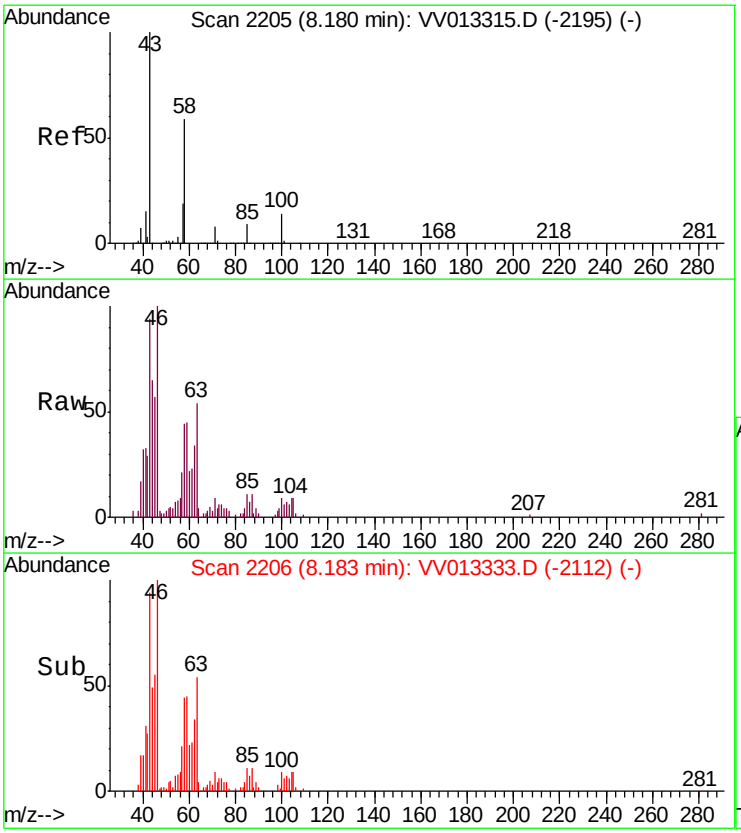

#44
trans-1,3-Dichloropropene
Concen: 0.057 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

**Instrument :** MSVOA_V
**ClientSampleId :** H0G16

Tgt Ion: 75 Resp: 2559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 49.9 | 21.8 | 40.6# |




#48
2-Hexanone
Concen: 0.752 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013333.D
Acq: 25 Oct 2019 01:17

Tgt Ion: 43 Resp: 11554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 45.1 | 67.7# |
| 57 | 0.0 | 15.5 | 23.3# |
| 100 | 1.7 | 10.2 | 15.2# |