Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102619\
Data File : VV013367.D
Acq On : 26 Oct 2019 11:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 13:45:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 525876 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 555878 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 361557 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 190115 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 98.00% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 155856 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 97.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 309946 | 4.49 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 89.80% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 438640 | 58.91 | ug/L | 0.03 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 117.82% | | | |
| 24) Chloroform-d | 4.40 | 84 | 421022 | 4.62 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 192989 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.40% | | | |
| 32) Benzene-d6 | 5.09 | 84 | 876107 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 97.40% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.11 | 67 | 247300 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 91.40% | | | |
| 41) Toluene-d8 | 7.35 | 98 | 853344 | 5.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 93840 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 91.60% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 336951 | 46.14 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 92.28% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 173731 | 4.44 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 88.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 326081 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 92.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 268313 | 4.615 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 212202 | 4.206 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 230545 | 4.543 | ug/L | 99 |
| 6) Bromomethane | 1.53 | 94 | 145588 | 5.093 | ug/L | 96 |
| 8) Chloroethane | 1.60 | 64 | 138695 | 4.586 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 345745 | 4.708 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 199184 | 4.590 | ug/L | 97 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 185154 | 4.478 | ug/L | 96 |
| 13) Acetone | 2.24 | 43 | 215029 | 55.857 | ug/L | 98 |
| 14) Carbon disulfide | 2.31 | 76 | 507426 | 4.275 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 93681 | 7.196 | ug/L | 95 |
| 16) Methylene chloride | 2.53 | 84 | 253397 | 4.078 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 522387 | 5.455 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 263511 | 5.406 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 456959 | 5.768 | ug/L | 99 |
| 21) 2-Butanone | 4.05 | 43 | 522957 | 60.684 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 276578 | 5.302 | ug/L # | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102619\
Data File : VV013367.D
Acq On : 26 Oct 2019 11:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 13:45:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

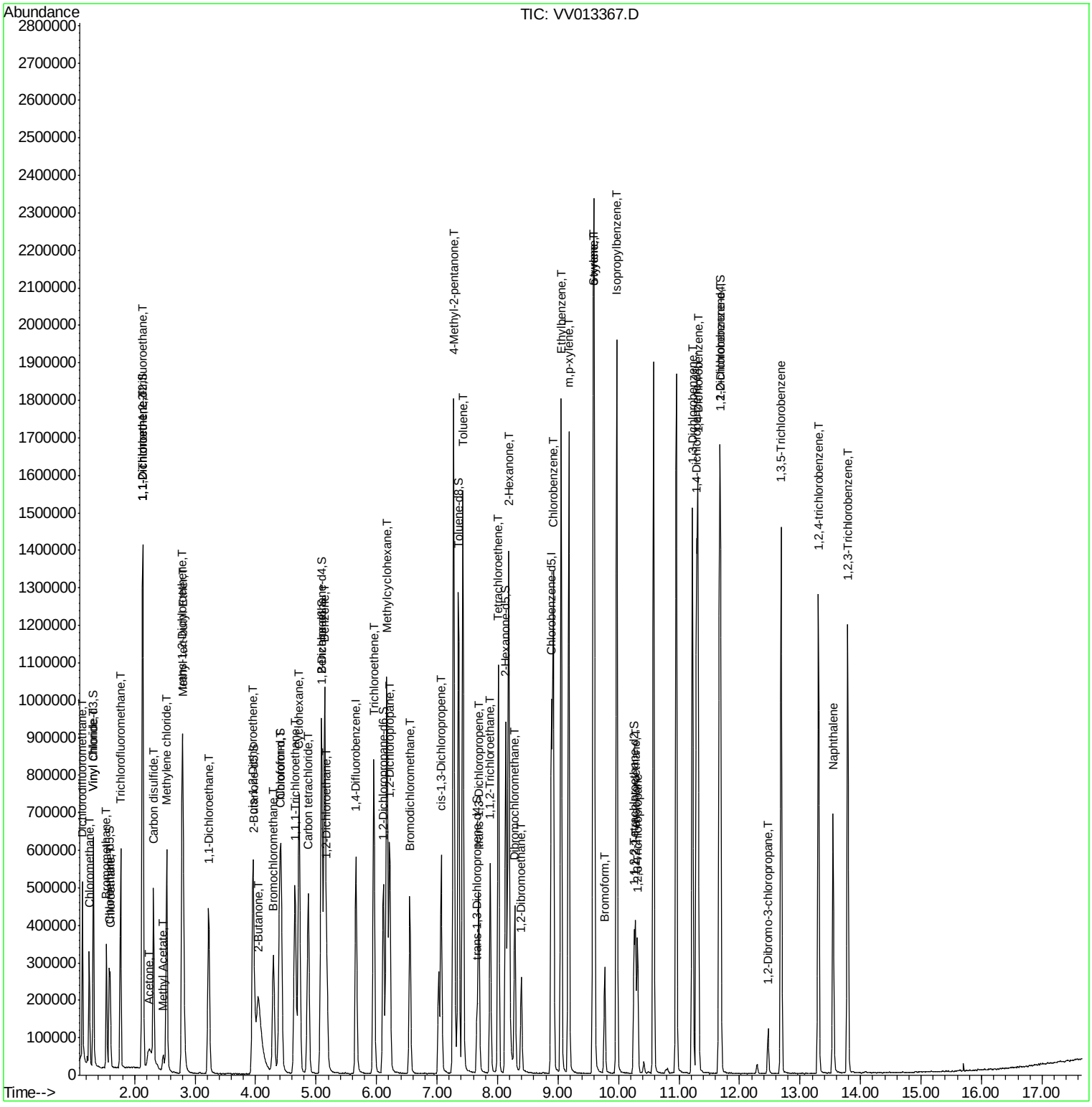
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 125689 | 5.077 | ug/L | | 91 |
| 25) Chloroform | 4.42 | 83 | 487330 | 4.719 | ug/L | | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 263485 | 4.777 | ug/L | | 99 |
| 29) 1,1,1-Trichloroethane | 4.65 | 97 | 405710 | 4.938 | ug/L | | 99 |
| 30) Cyclohexane | 4.72 | 56 | 398001 | 4.666 | ug/L | | 96 |
| 31) Carbon tetrachloride | 4.87 | 117 | 370646 | 5.028 | ug/L | | 100 |
| 33) Benzene | 5.14 | 78 | 1052787 | 4.960 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 286716 | 5.034 | ug/L | | 95 |
| 35) Methylcyclohexane | 6.17 | 83 | 443993 | 5.066 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 254839 | 4.943 | ug/L | | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 321467 | 4.817 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 354620 | 4.883 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.27 | 43 | 1288974 | 48.905 | ug/L | | 95 |
| 42) Toluene | 7.43 | 91 | 1158344 | 5.197 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 275907 | 5.015 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 180972 | 5.029 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.01 | 164 | 274410 | 5.305 | ug/L | | 98 |
| 48) 2-Hexanone | 8.18 | 43 | 933584 | 49.618 | ug/L | | 95 |
| 49) Dibromochloromethane | 8.29 | 129 | 227559 | 5.020 | ug/L | | 100 |
| 50) 1,2-Dibromoethane | 8.39 | 107 | 168025 | 4.899 | ug/L | | 97 |
| 51) Chlorobenzene | 8.92 | 112 | 751275 | 5.149 | ug/L | | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 1235086 | 5.315 | ug/L | | 99 |
| 53) m,p-xylene | 9.18 | 106 | 496720 | 5.584 | ug/L | | 100 |
| 54) o-xylene | 9.58 | 106 | 465712 | 5.515 | ug/L | | 97 |
| 55) Styrene | 9.60 | 104 | 805285 | 5.611 | ug/L | | 100 |
| 56) Isopropylbenzene | 9.97 | 105 | 1253985 | 5.630 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 187371 | 4.529 | ug/L | | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 147369 | 4.792 | ug/L | | 98 |
| 61) Bromoform | 9.77 | 173 | 137457 | 4.987 | ug/L | | 97 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 665028 | 5.223 | ug/L | | 98 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 652906 | 5.065 | ug/L | | 97 |
| 65) 1,2-Dichlorobenzene | 11.68 | 146 | 591554 | 5.045 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 26390 | 3.963 | ug/L | # | 78 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 498711 | 5.298 | ug/L | | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 440988 | 5.355 | ug/L | | 98 |
| 69) Naphthalene | 13.55 | 128 | 574470 | 5.057 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 405373 | 5.300 | ug/L | | 99 |

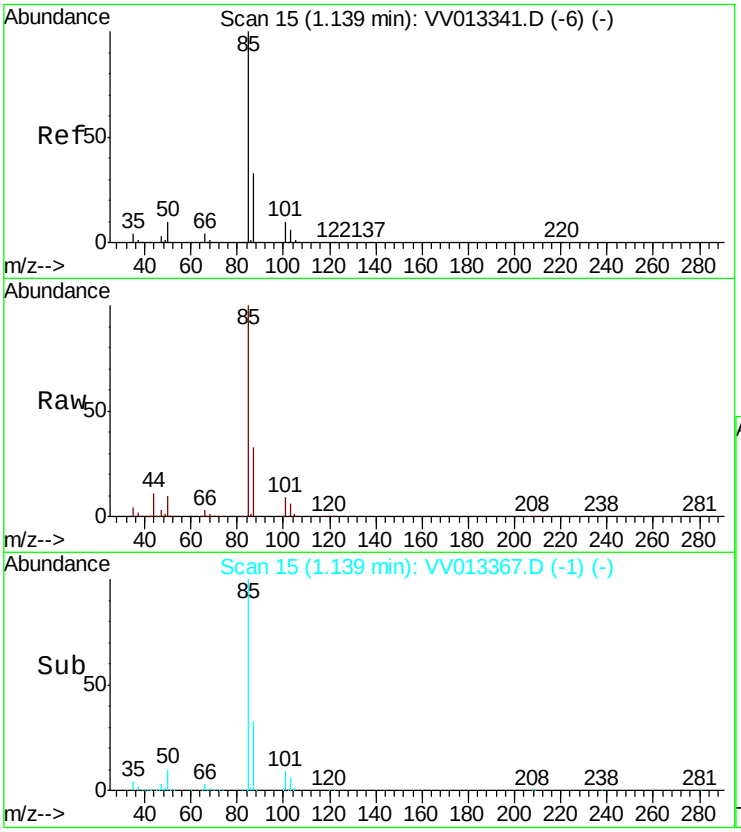
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102619\
Data File : VV013367.D
Acq On : 26 Oct 2019 11:25
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 13:45:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration



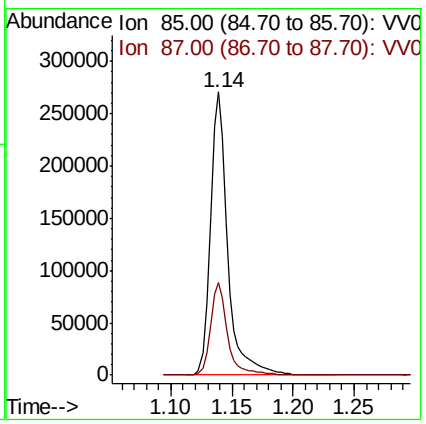


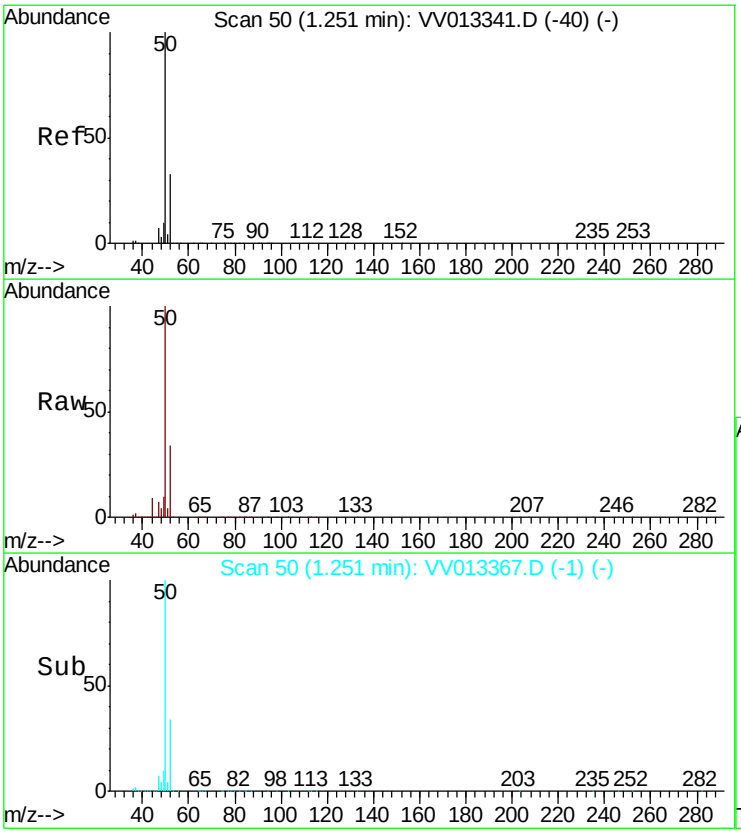

#2
Dichlorodifluoromethane
Concen: 4.615 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 85 Resp: 268313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 25.4 | 38.2 |

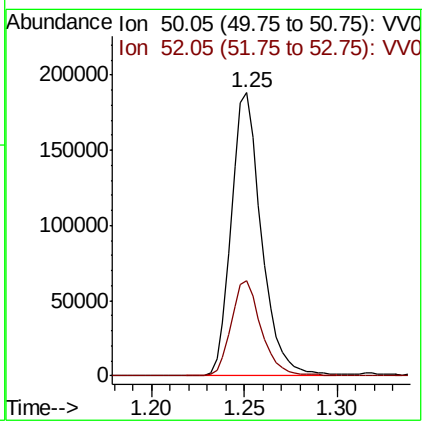


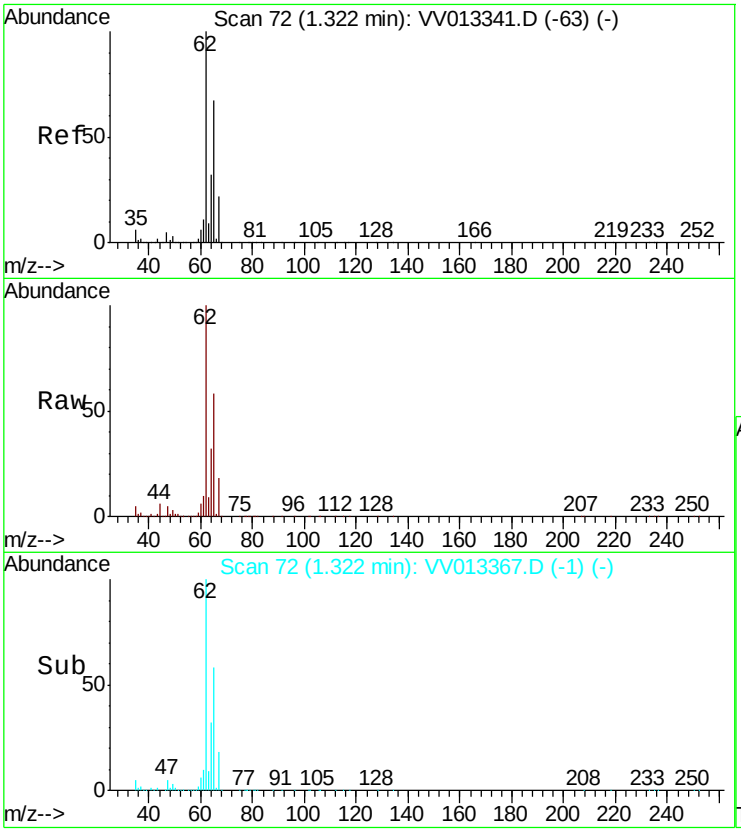




#3
Chloromethane
Concen: 4.206 ug/L
RT: 1.25 min Scan# 50
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 50 Resp: 212202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.5 | 23.3 | 43.3 |



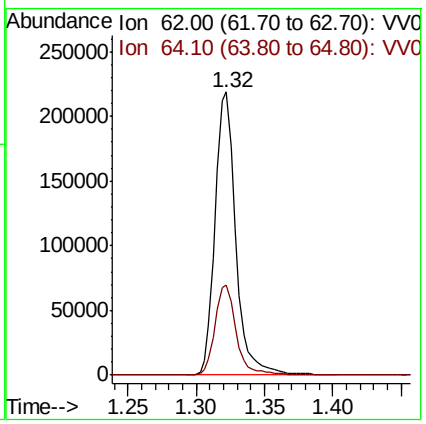


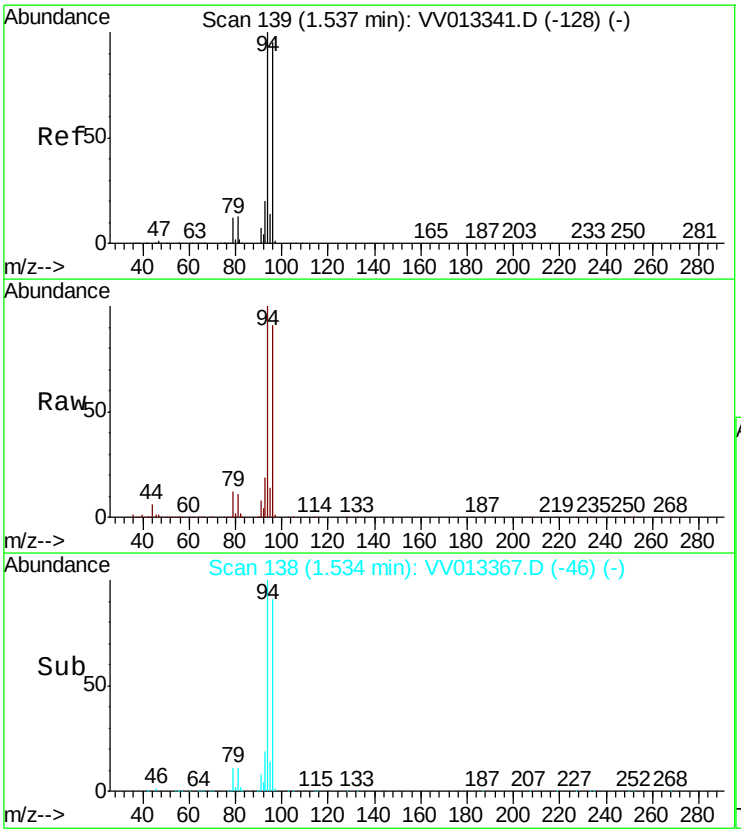

#5
Vinyl chloride
Concen: 4.543 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 62 Resp: 230545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 22.9 | 42.5 |

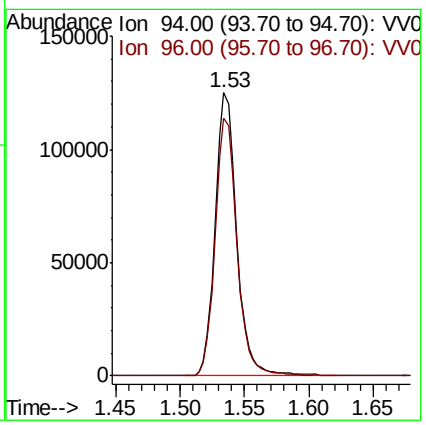


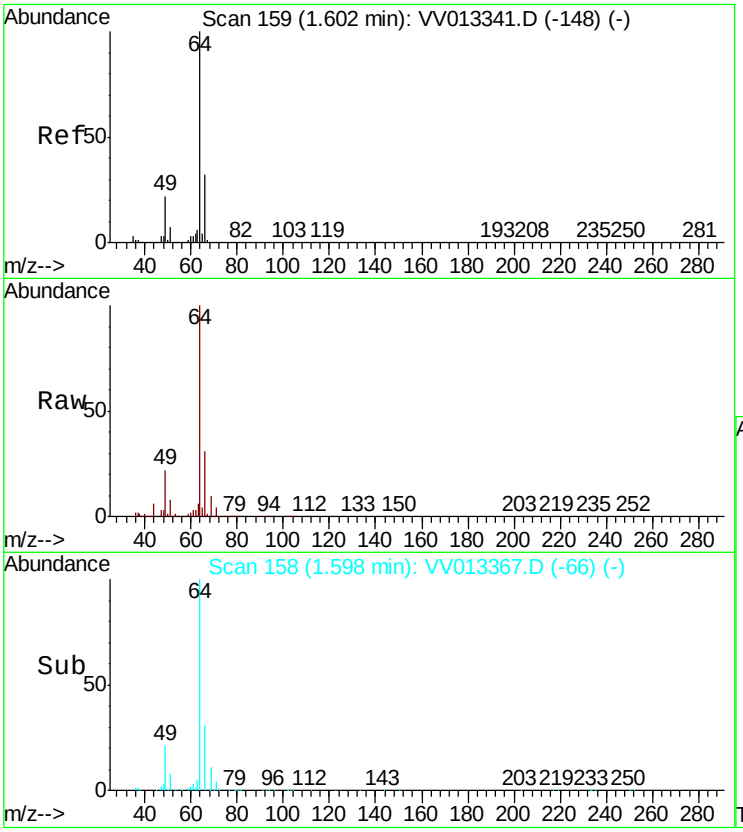




#6
Bromomethane
Concen: 5.093 ug/L
RT: 1.53 min Scan# 138
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 94 Resp: 145588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.1 | 66.2 | 123.0 |



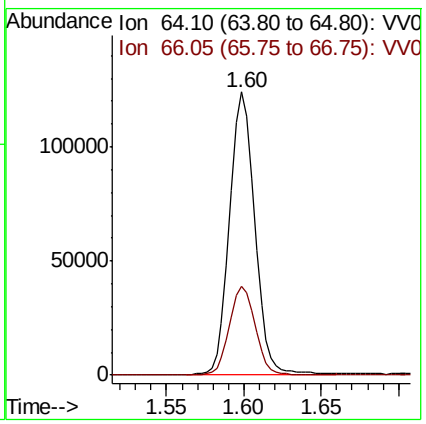


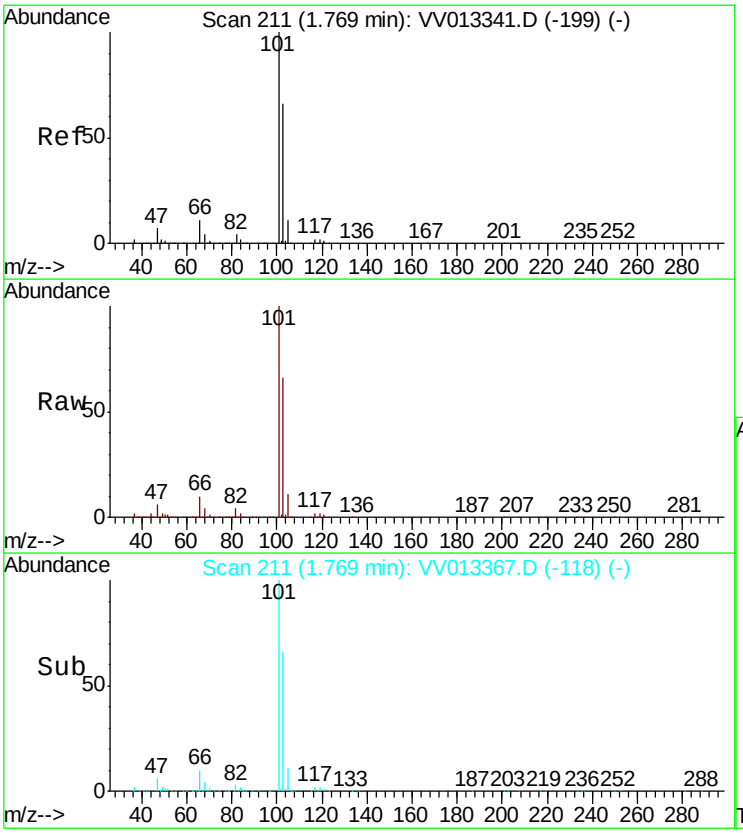

#8
Chloroethane
Concen: 4.586 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 64 Resp: 138695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.2 | 22.7 | 42.3 |

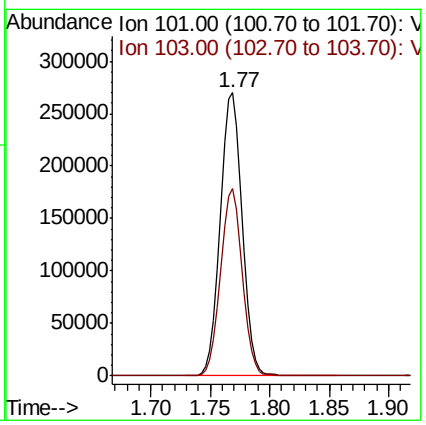


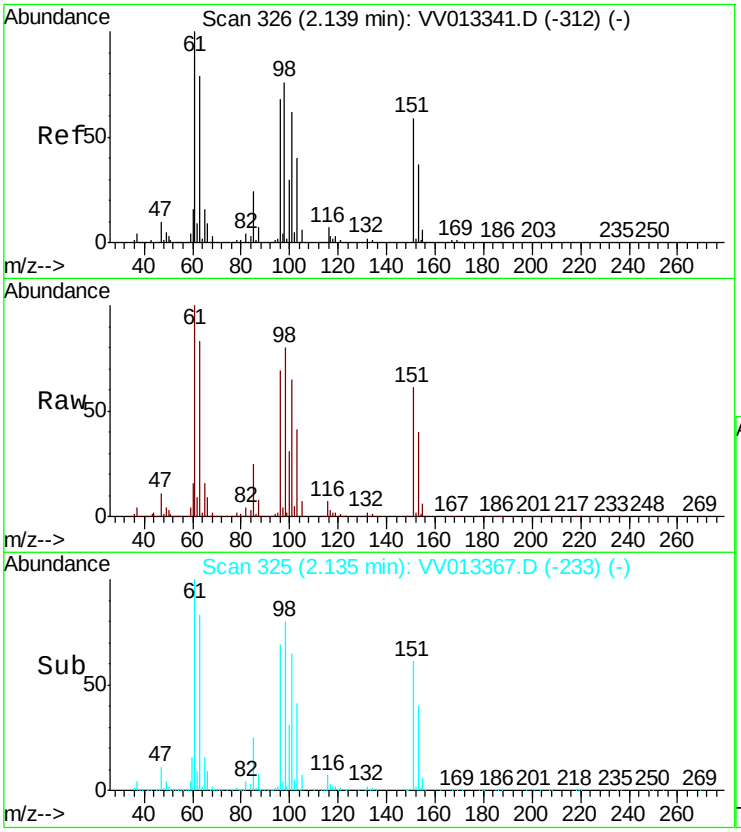




#9
Trichlorofluoromethane
Concen: 4.708 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:101 Resp: 345745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 52.8 | 79.2 |



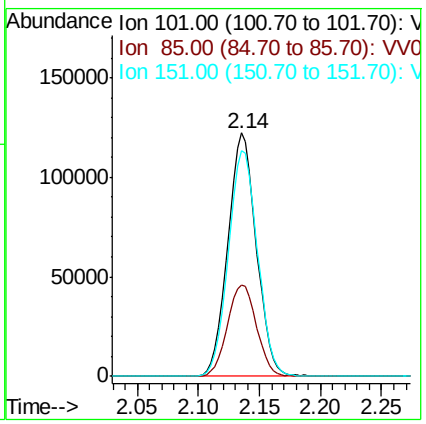


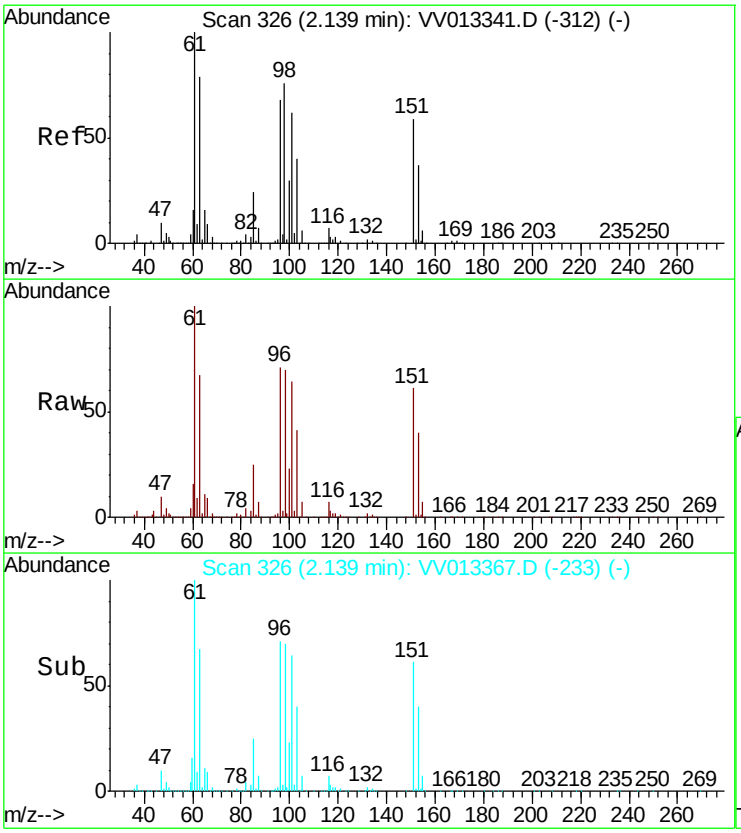

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.590 ug/L
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:101 Resp: 199184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 38.7 | 31.8 | 47.8 |
| 151 | 94.9 | 72.9 | 109.3 |

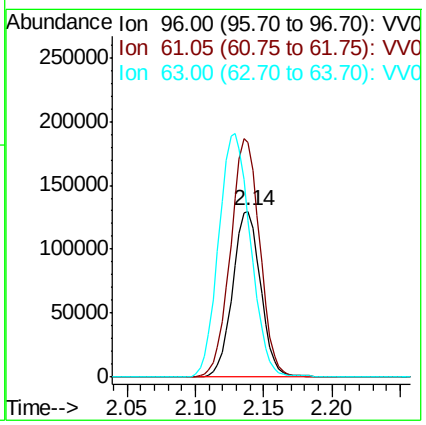


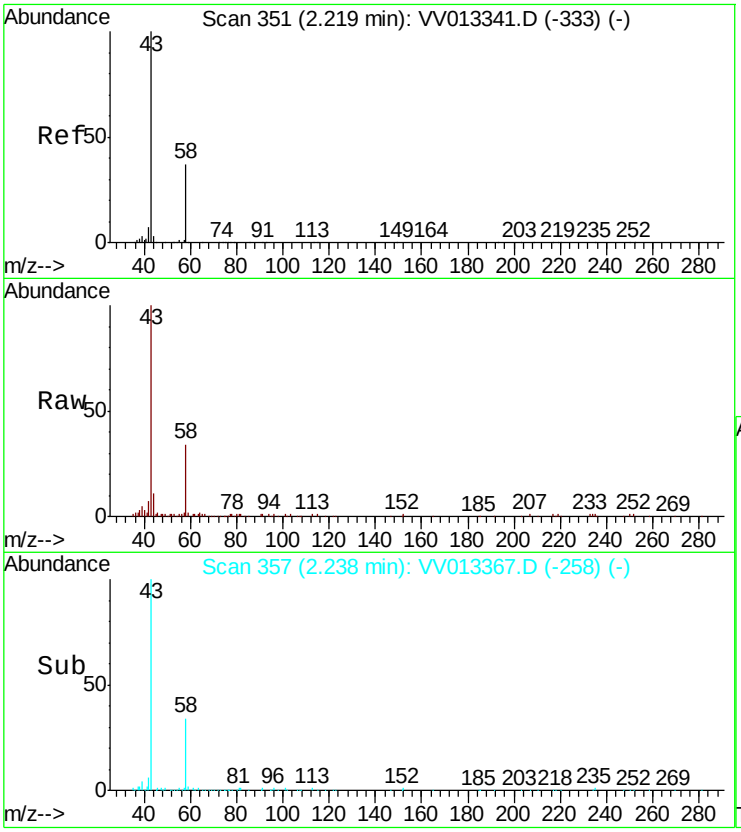




#12
1,1-Dichloroethene
Concen: 4.478 ug/L
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 96 Resp: 185154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.2 | 104.0 | 193.1 |
| 63 | 94.6 | 67.1 | 124.5 |



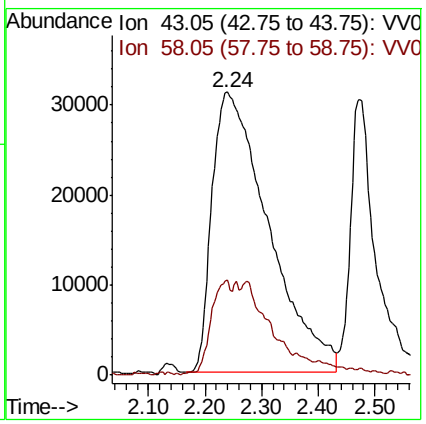


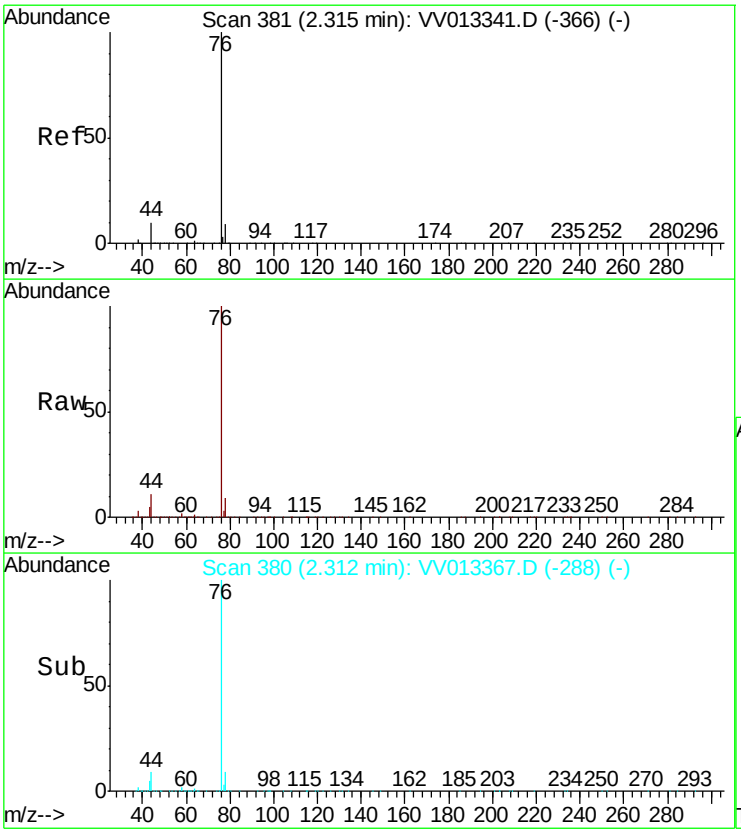

#13
Acetone
Concen: 55.857 ug/L
RT: 2.24 min Scan# 357
Delta R.T. 0.02 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 43 Resp: 215029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 12.3 | 0.0 | 26.2 |

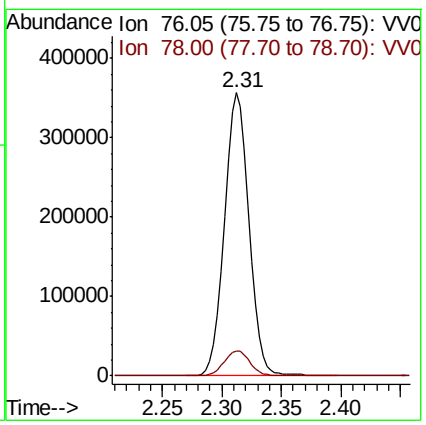


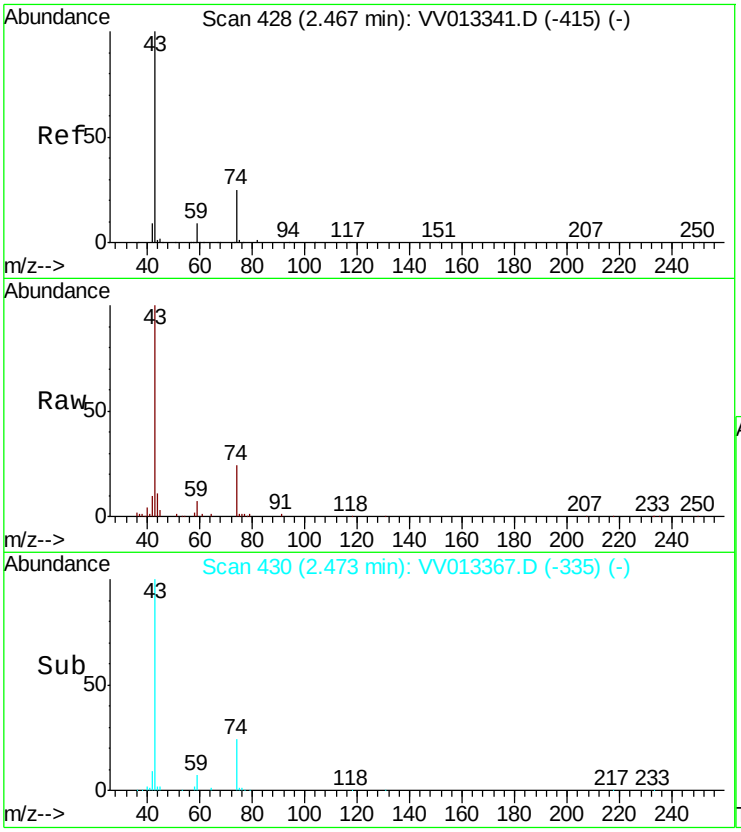




#14
Carbon disulfide
Concen: 4.275 ug/L
RT: 2.31 min Scan# 380
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 76 Resp: 507426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 7.3 | 10.9 |



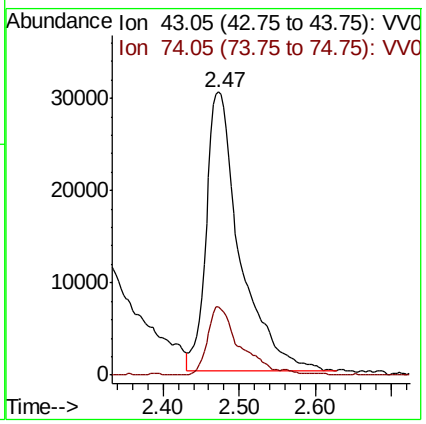


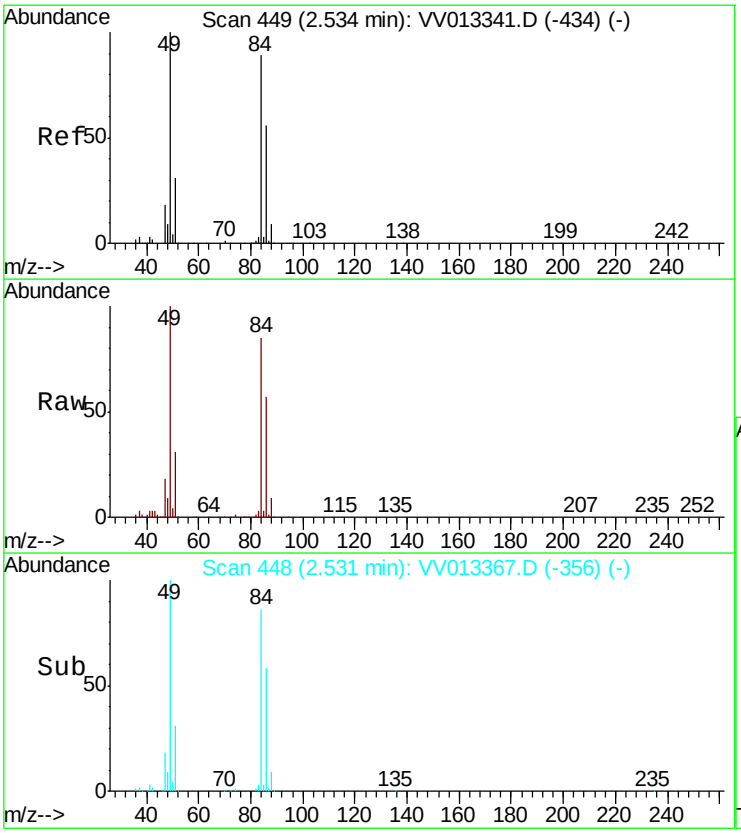

#15
Methyl Acetate
Concen: 7.196 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 43 Resp: 93681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 20.4 | 30.6 |

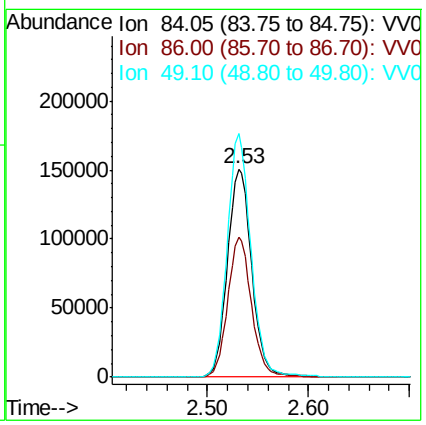


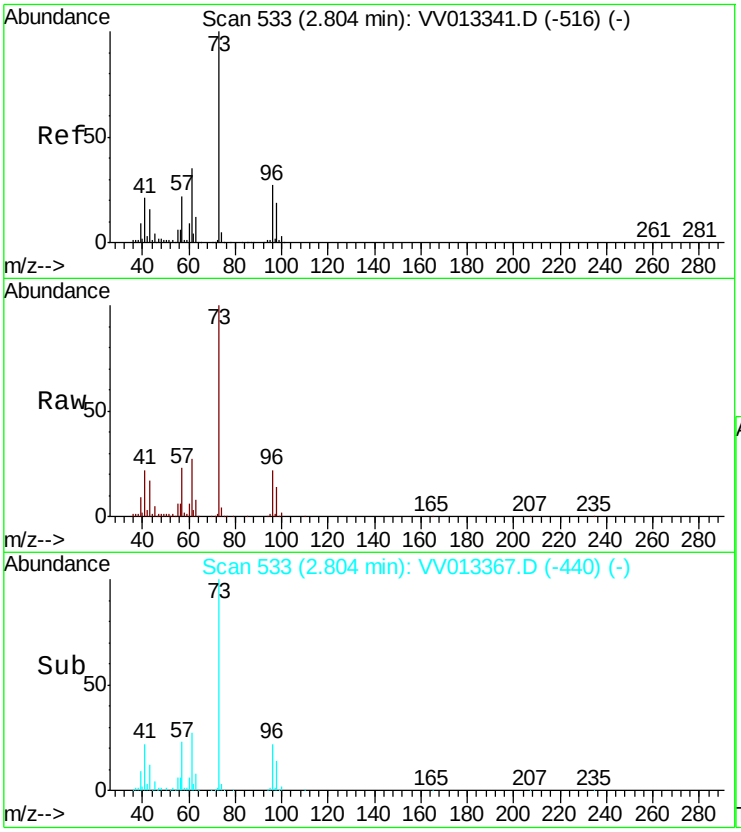




#16
Methylene chloride
Concen: 4.078 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 84 Resp: 253397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 67.3 | 46.2 | 85.8 |
| 49 | 117.0 | 76.4 | 141.8 |



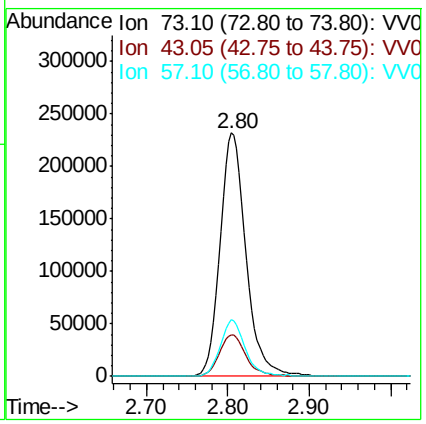


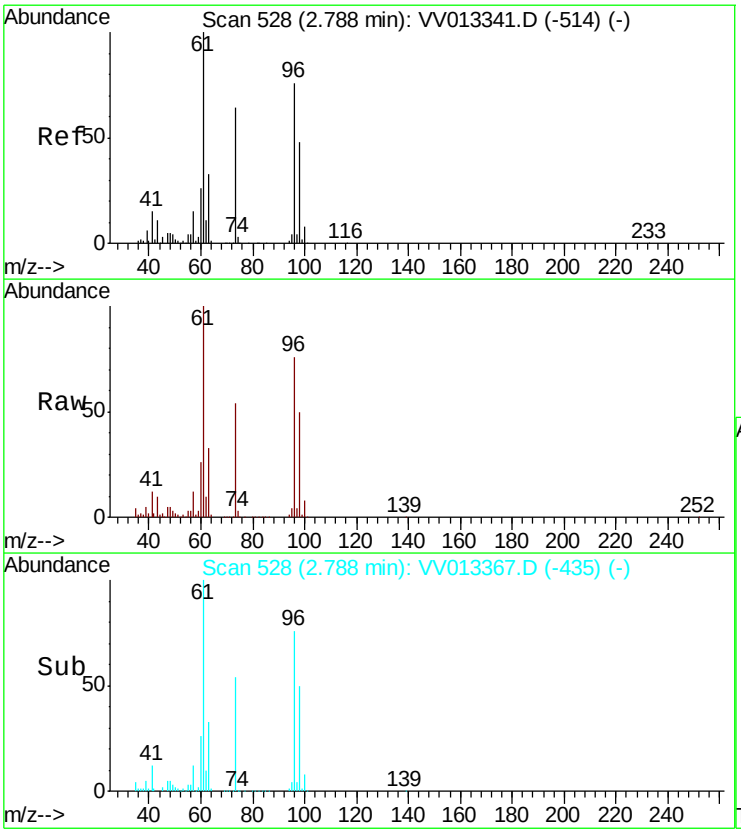

#17
Methyl tert-butyl Ether
Concen: 5.455 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 73 Resp: 522387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.4 | 13.1 | 19.7 |
| 57 | 22.3 | 16.4 | 24.6 |

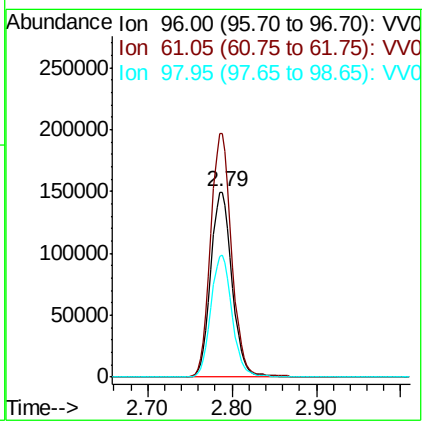


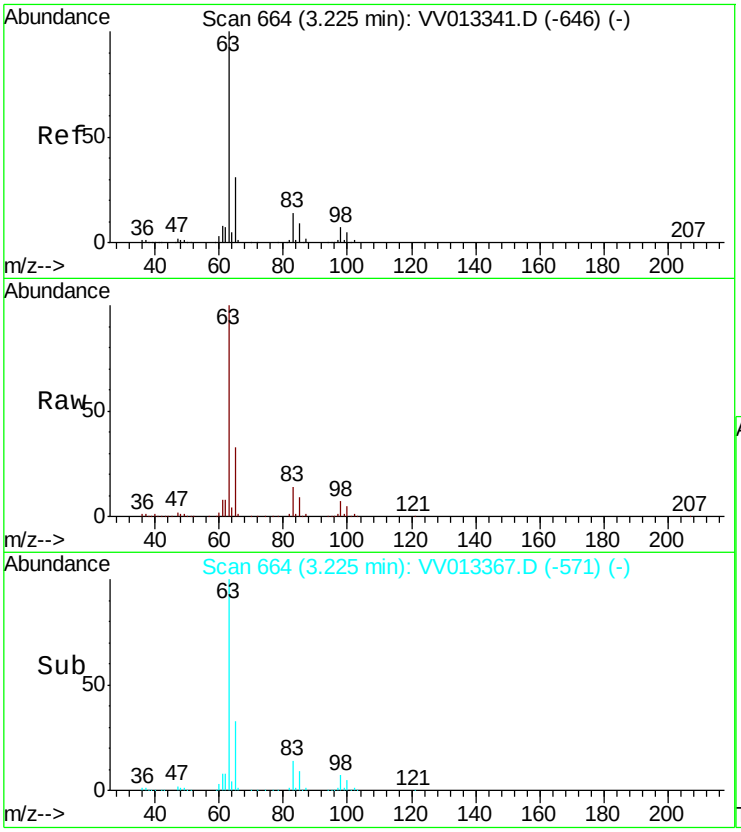




#18
trans-1,2-Dichloroethene
Concen: 5.406 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 96 Resp: 263511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.8 | 84.4 | 156.8 |
| 98 | 66.0 | 44.4 | 82.4 |



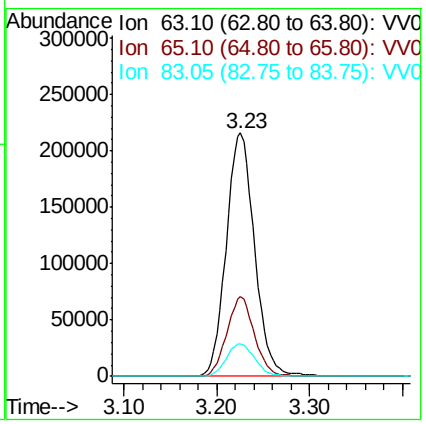


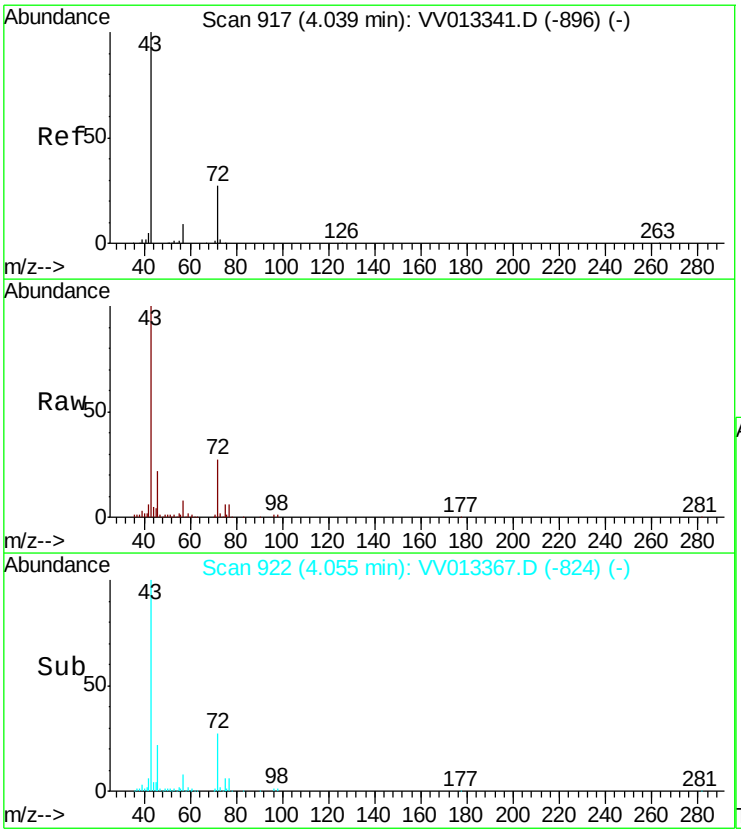

#19
1,1-Dichloroethane
Concen: 5.768 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 63 Resp: 456959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 23.0 | 42.8 |
| 83 | 13.5 | 10.2 | 19.0 |

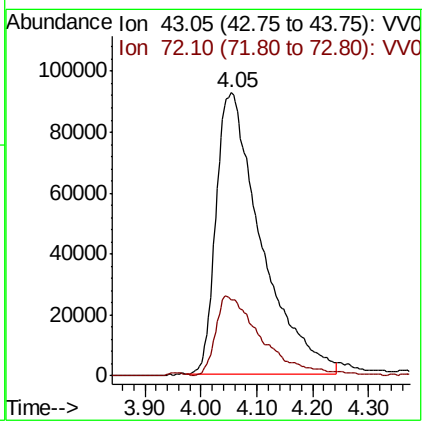


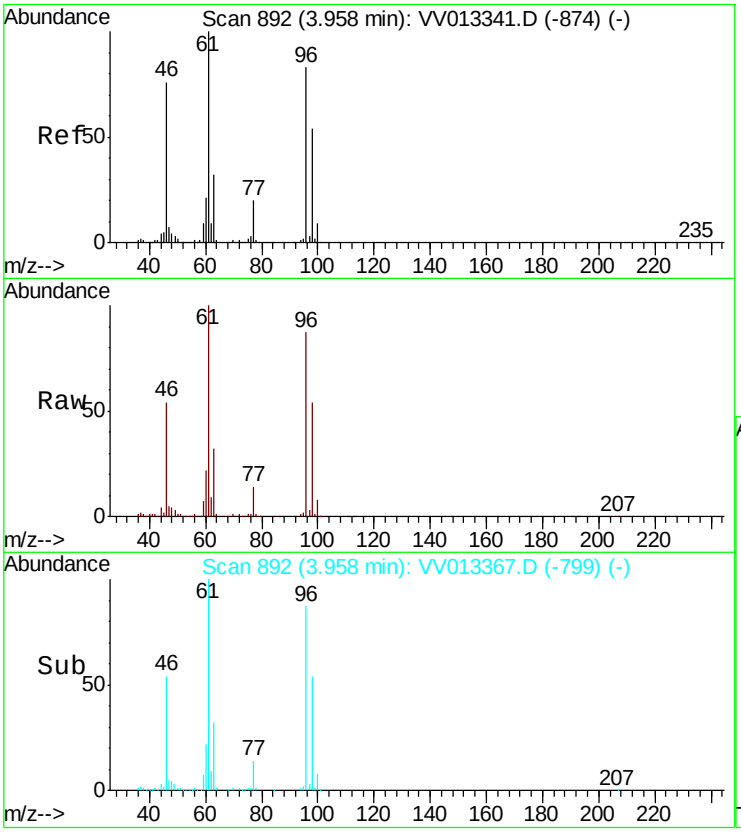




#21
2-Butanone
Concen: 60.684 ug/L
RT: 4.05 min Scan# 922
Delta R.T. 0.02 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 43 Resp: 522957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.0 | 13.1 | 39.3 |



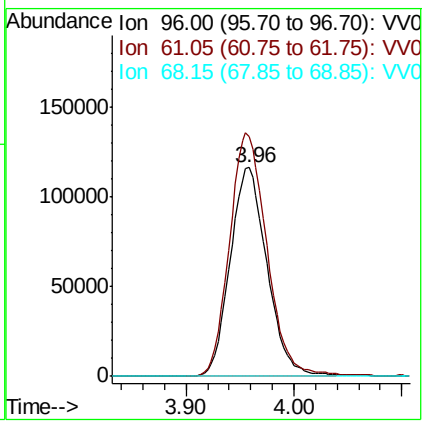


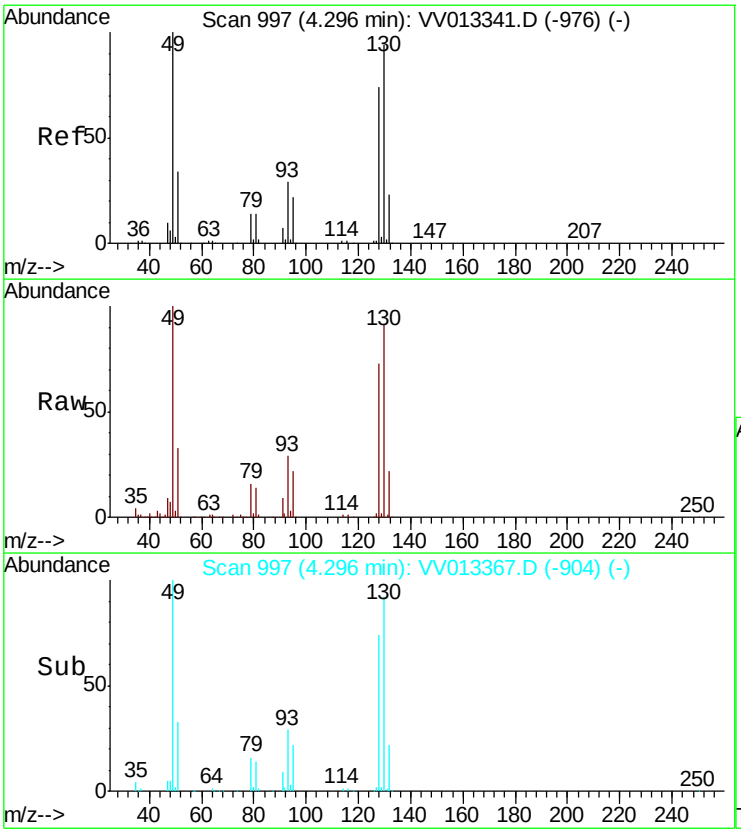

#22
cis-1,2-Dichloroethene
Concen: 5.302 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 96 Resp: 276578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 114.8 | 77.3 | 143.7 |
| 68 | 0.0 | 0.1 | 0.1# |

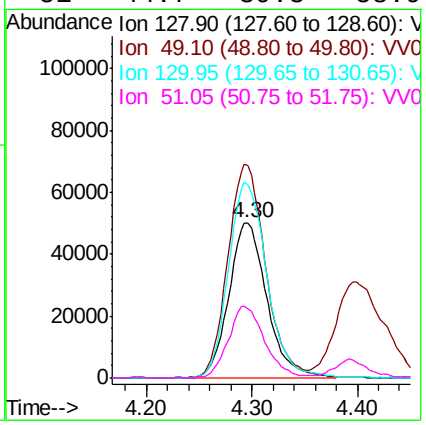


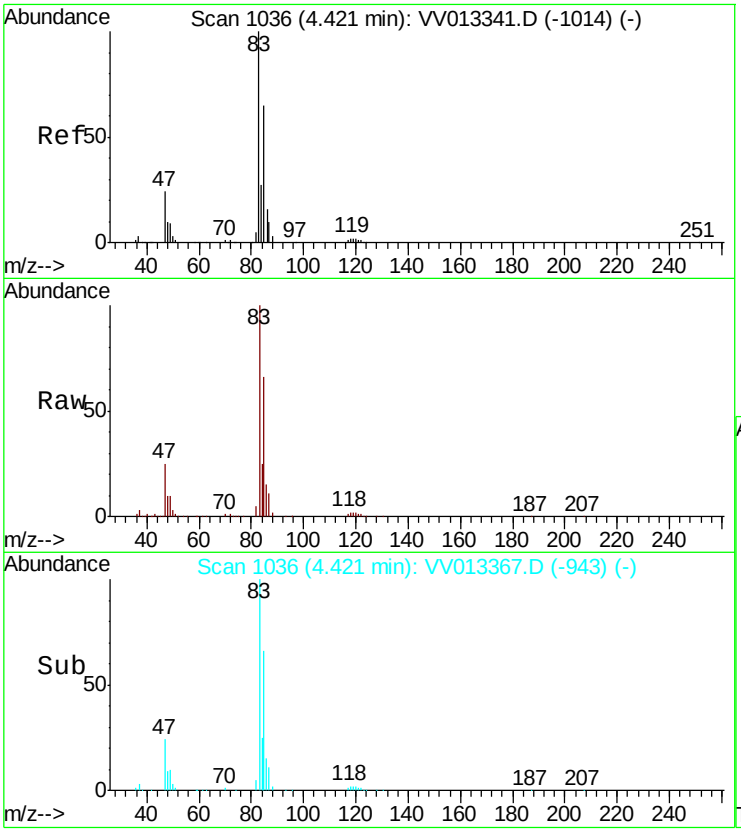




#23
Bromochloromethane
Concen: 5.077 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:128 Resp: 125689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 136.8 | 109.9 | 204.1 |
| 130 | 124.5 | 88.7 | 164.7 |
| 51 | 44.7 | 39.3 | 58.9 |



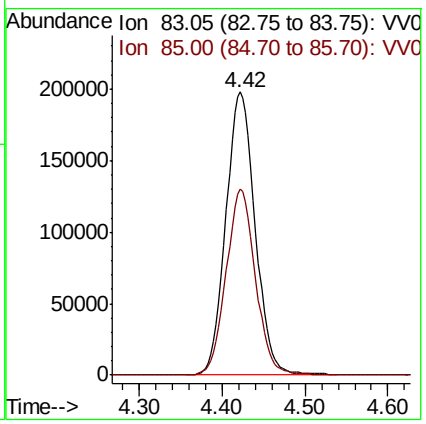


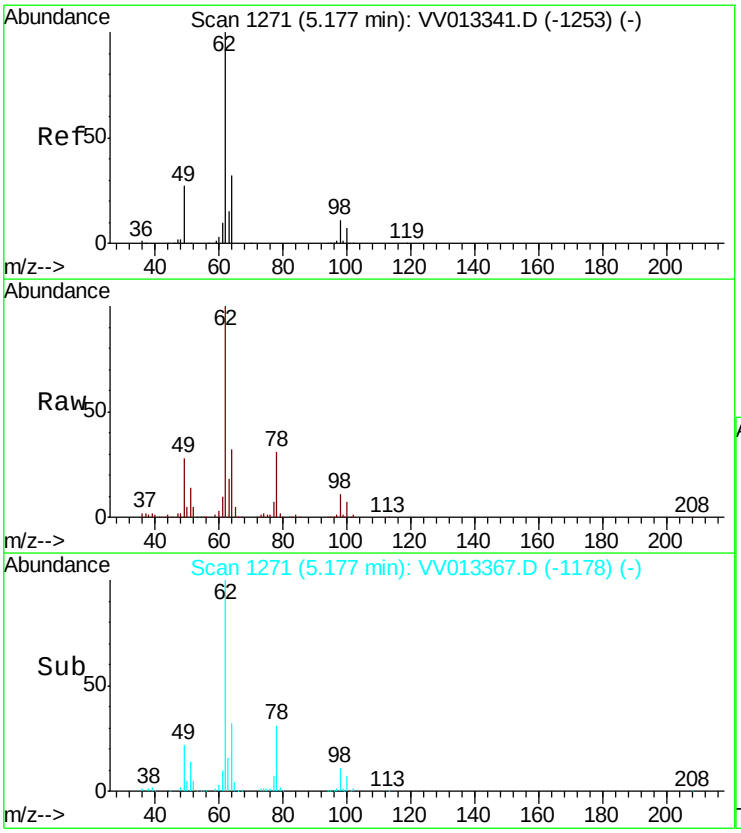

#25
Chloroform
Concen: 4.719 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 83 Resp: 487330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 45.7 | 84.9 |

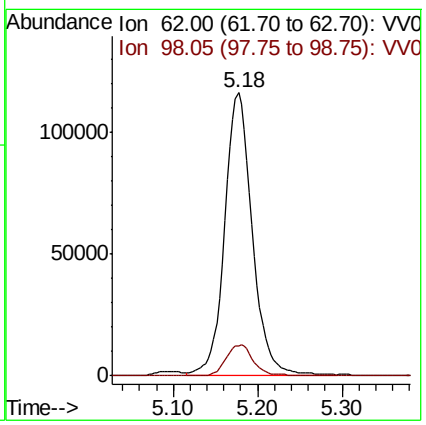


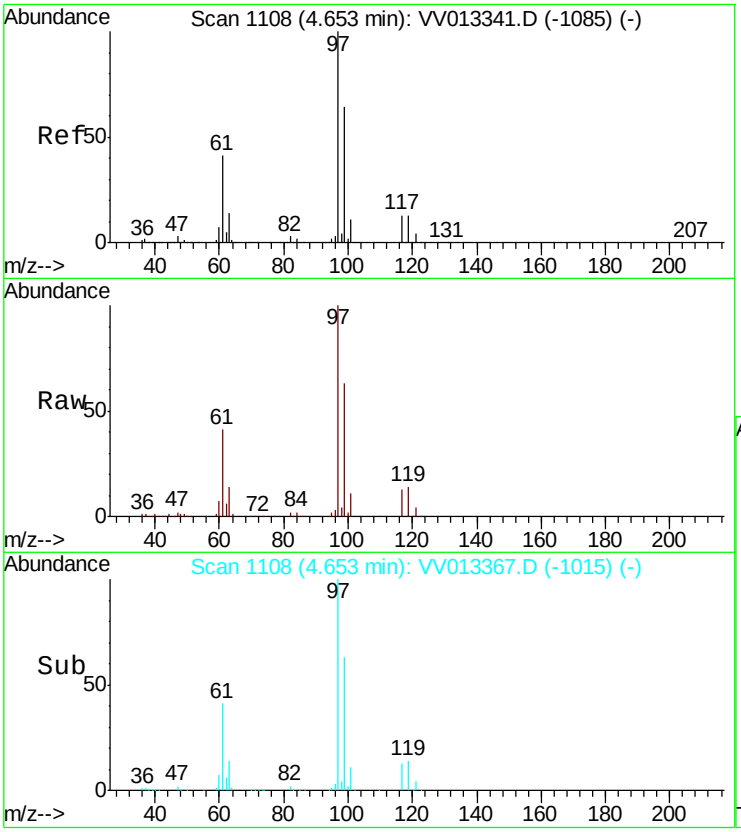




#27
1,2-Dichloroethane
Concen: 4.777 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 62 Resp: 263485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.8 | 8.3 | 12.5 |



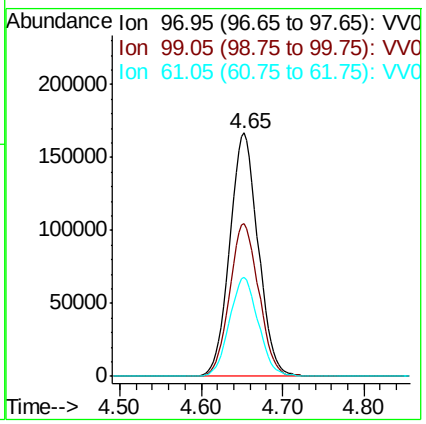


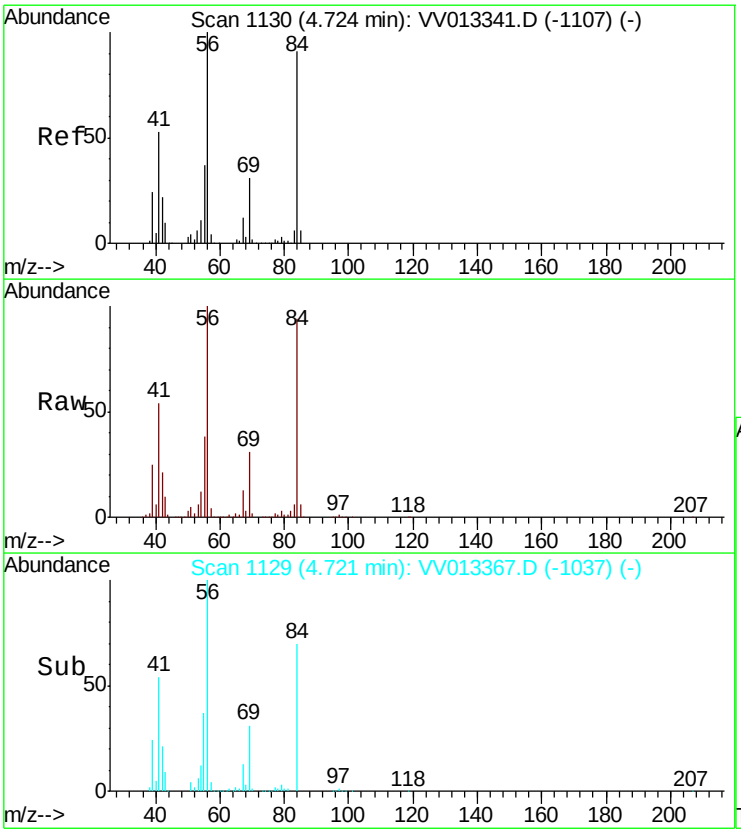

#29
1,1,1-Trichloroethane
Concen: 4.938 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 97 Resp: 405710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 51.7 | 77.5 |
| 61 | 41.3 | 34.3 | 51.5 |

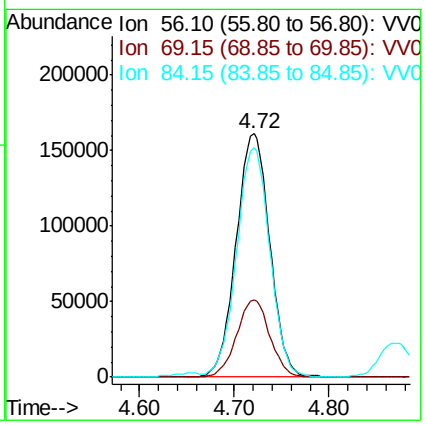


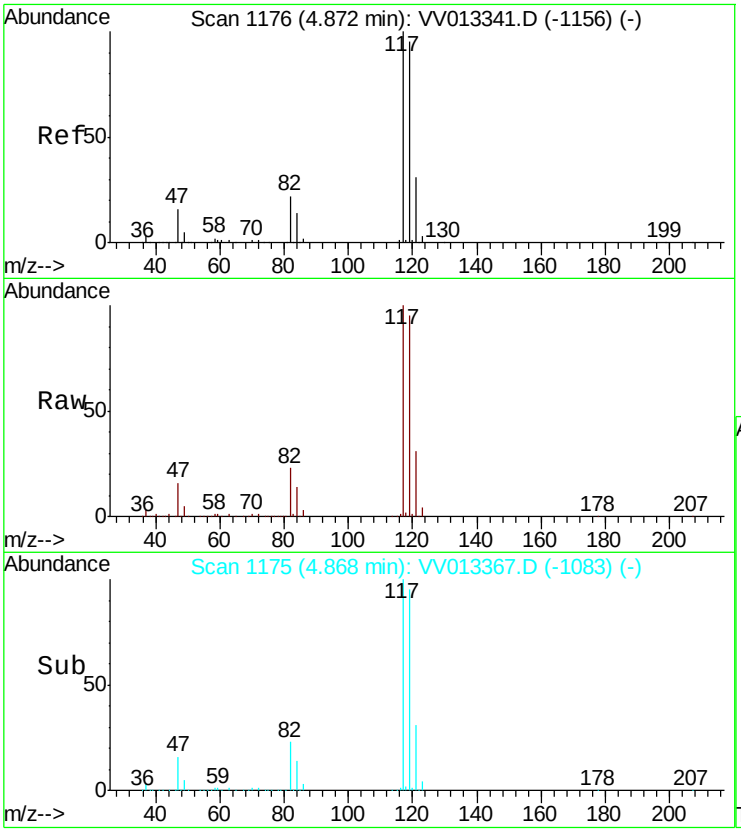




#30
Cyclohexane
Concen: 4.666 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 56 Resp: 398001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.6 | 37.0 |
| 84 | 93.5 | 71.0 | 106.6 |



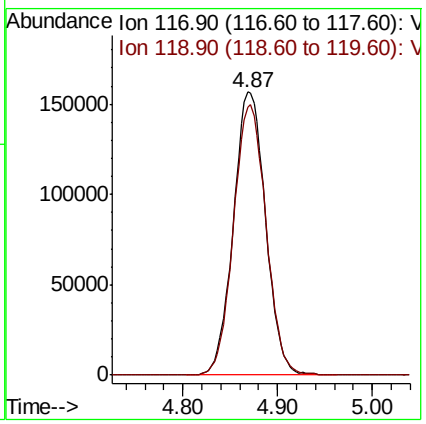


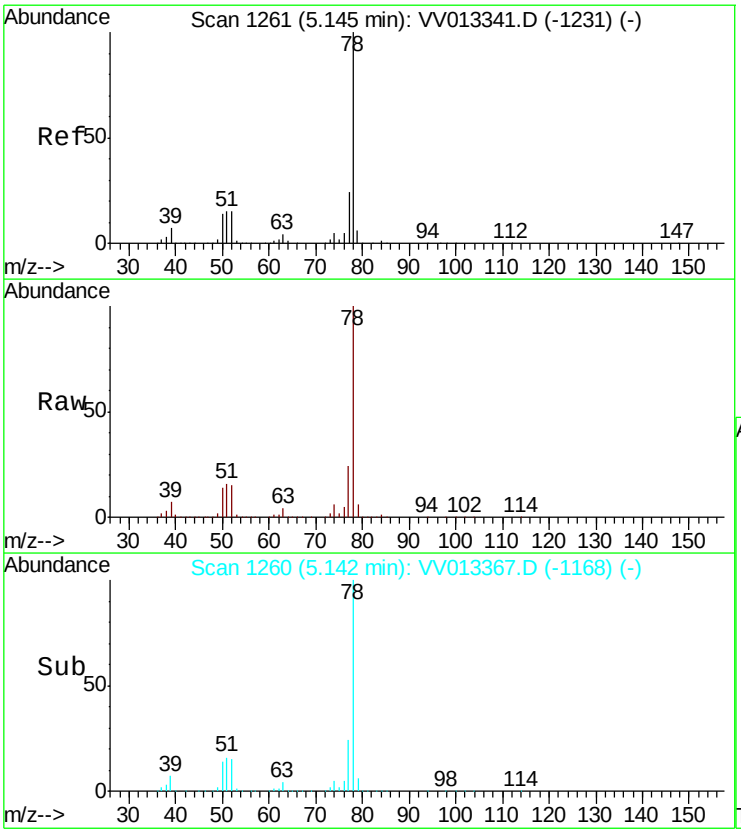

#31
Carbon tetrachloride
Concen: 5.028 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:117 Resp: 370646

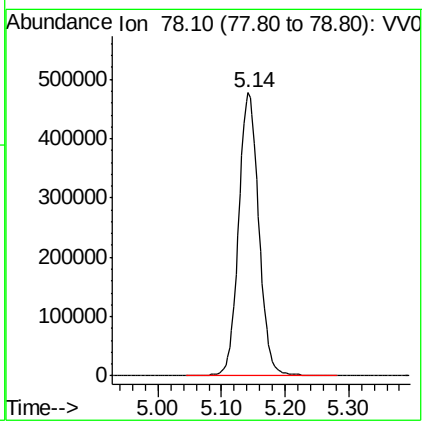
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 77.4 | 116.0 |

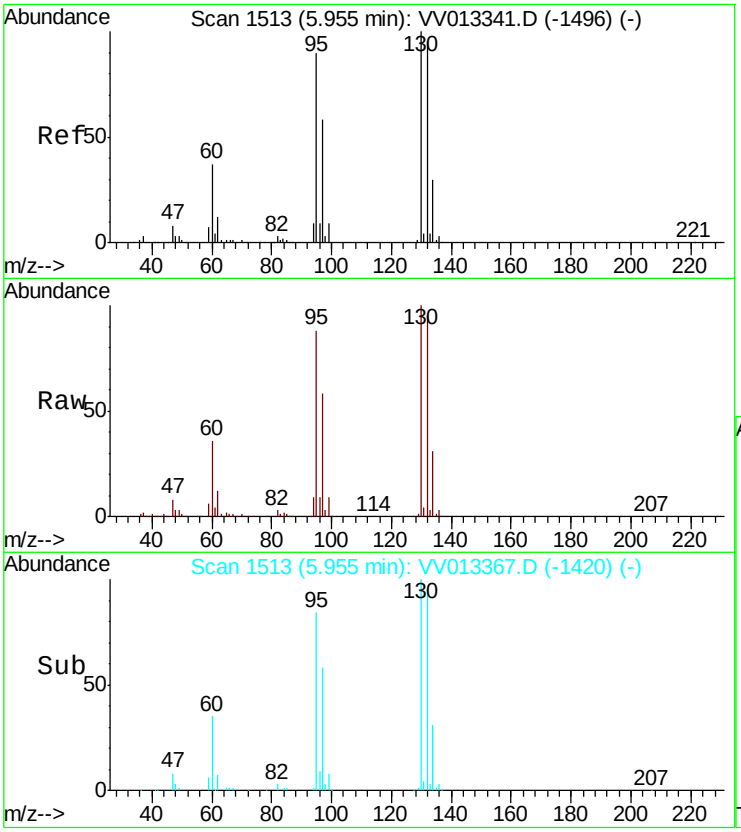



#33
Benzene
Concen: 4.960 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 78 Resp: 1052787



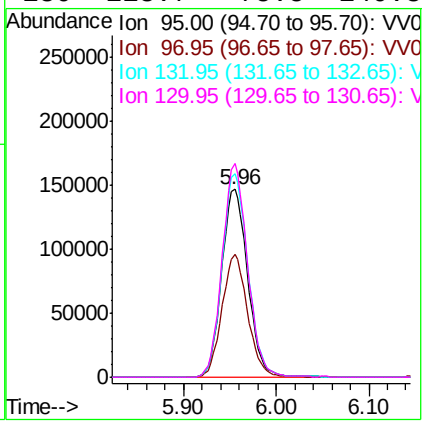


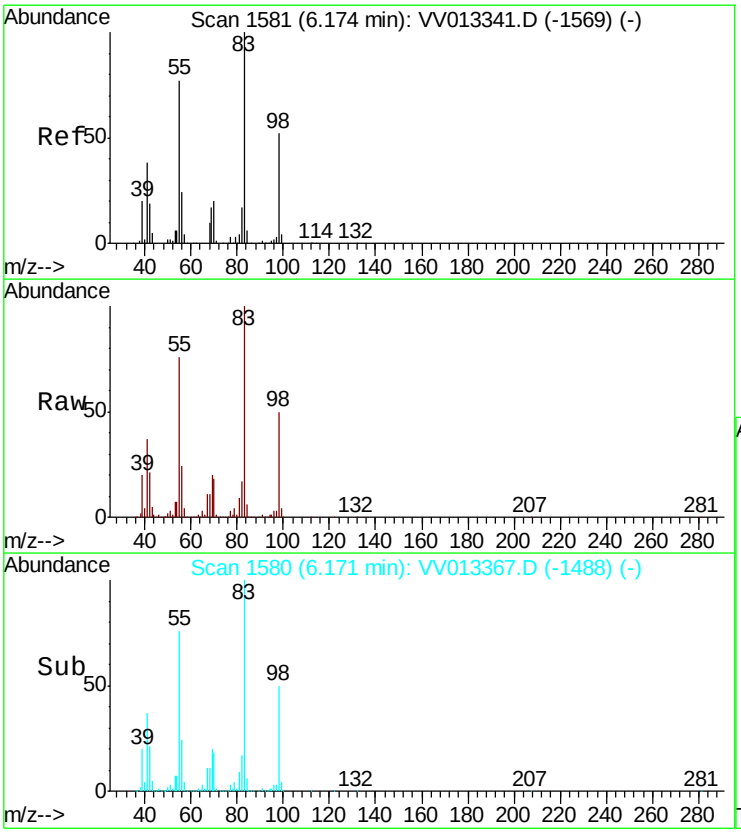

#34
Trichloroethene
Concen: 5.034 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 95 Resp: 286716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.8 | 45.2 | 84.0 |
| 132 | 108.4 | 70.6 | 131.2 |
| 130 | 113.7 | 75.5 | 140.3 |

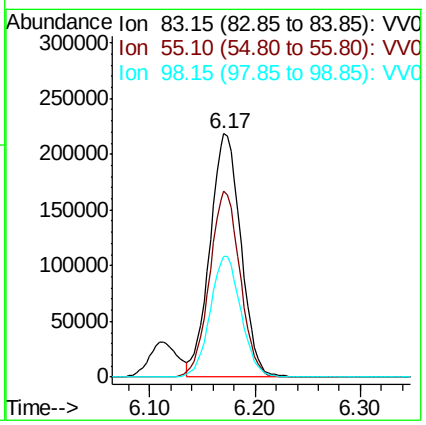


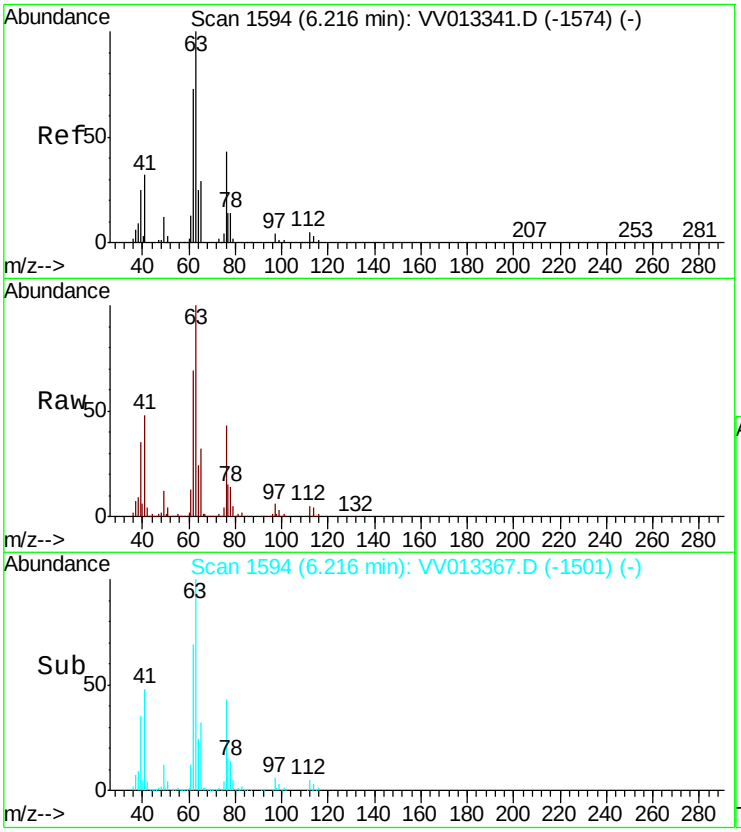




#35
Methylcyclohexane
Concen: 5.066 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 83 Resp: 443993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 75.2 | 62.4 | 93.6 |
| 98 | 49.6 | 39.2 | 58.8 |



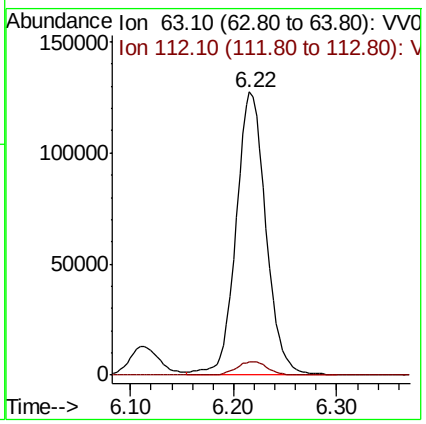


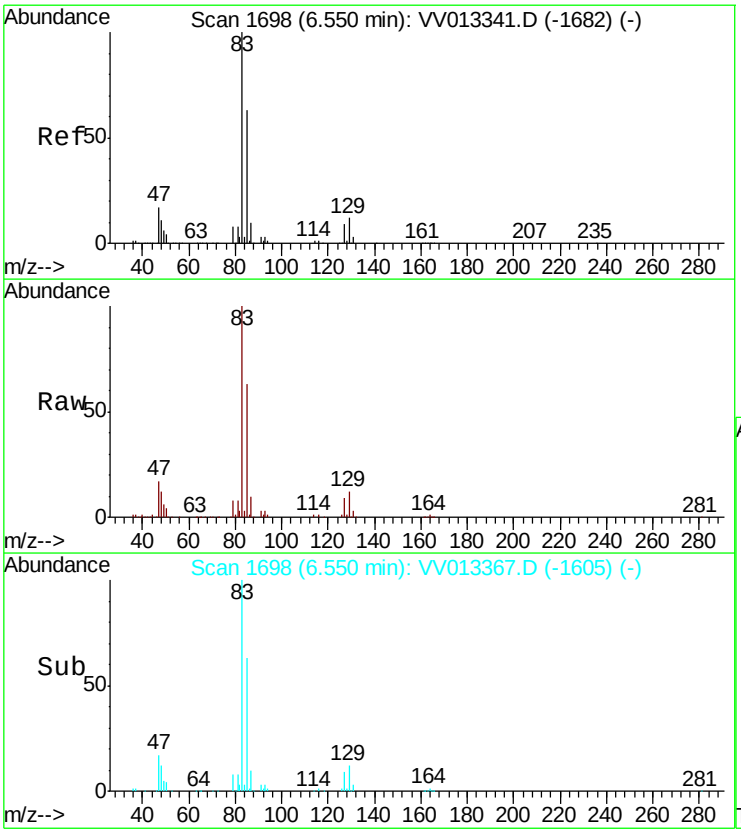

#37
1,2-Dichloropropane
Concen: 4.943 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 63 Resp: 254839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.0 | 4.1 | 6.1 |

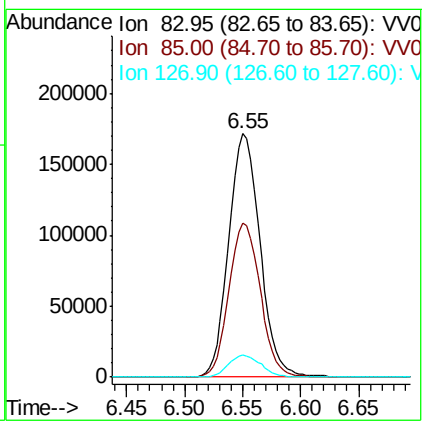


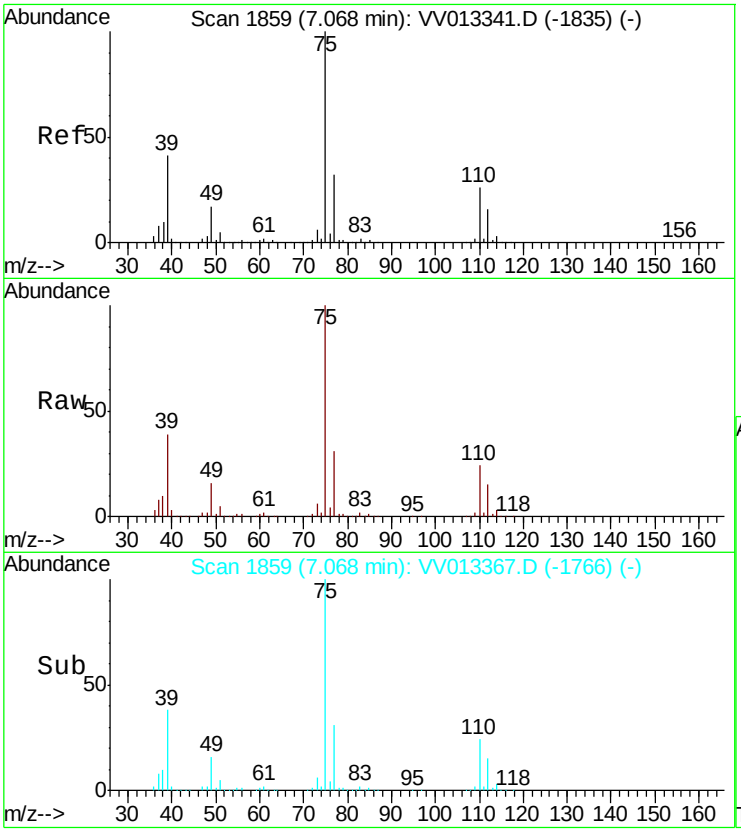




#38
Bromodichloromethane
Concen: 4.817 ug/L
RT: 6.55 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 83 Resp: 321467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 44.4 | 82.5 |
| 127 | 8.9 | 6.6 | 10.0 |



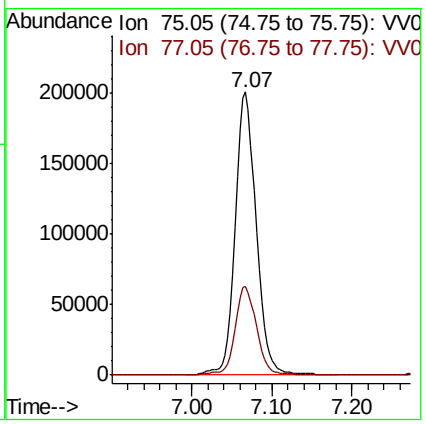


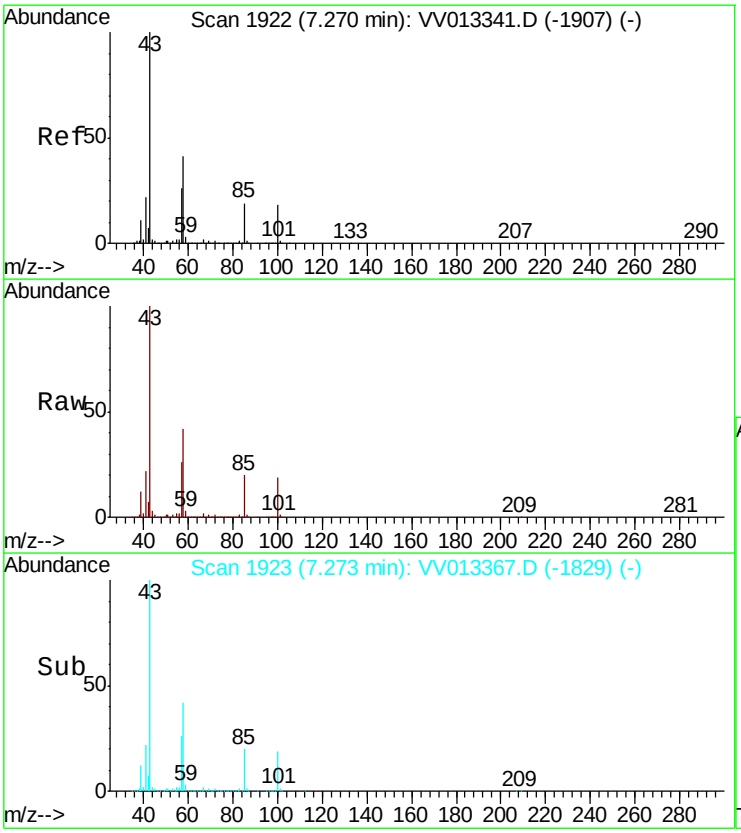

#39
cis-1,3-Dichloropropene
Concen: 4.883 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 75 Resp: 354620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.6 | 42.0 |

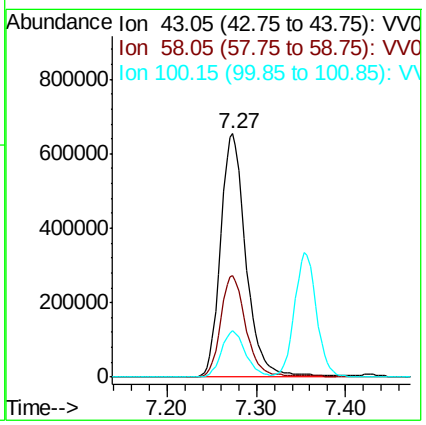


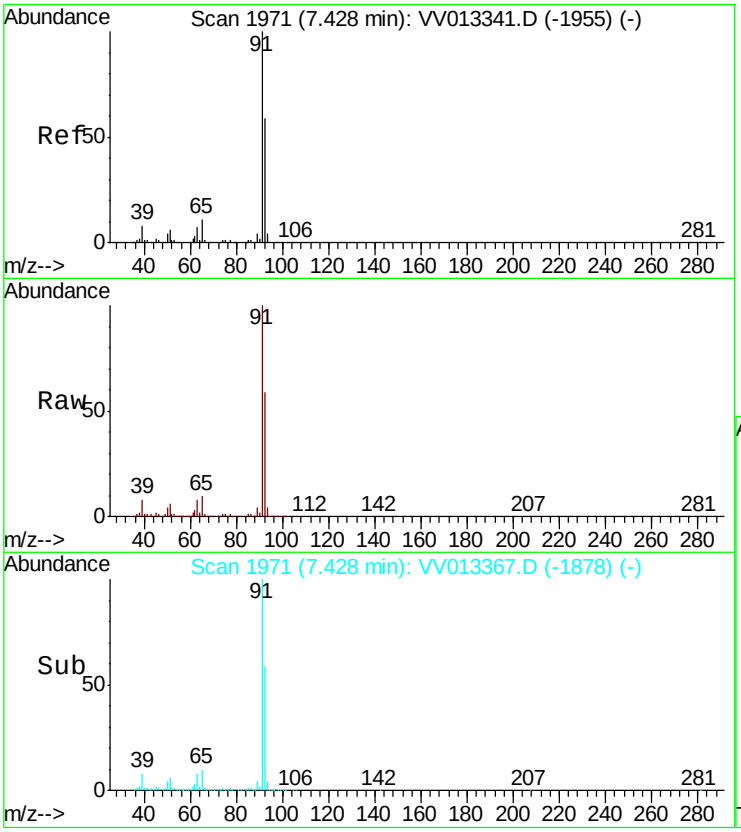




#40
4-Methyl-2-pentanone
Concen: 48.905 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 43 Resp: 1288974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.2 | 30.7 | 46.1 |
| 100 | 18.1 | 12.4 | 18.6 |



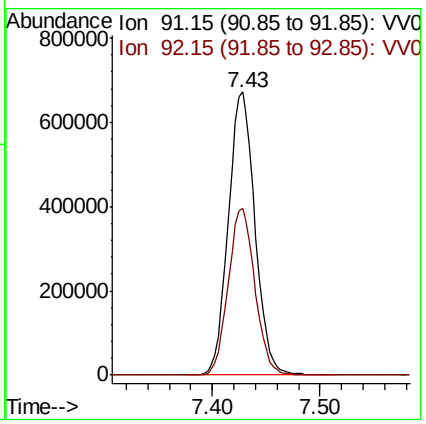


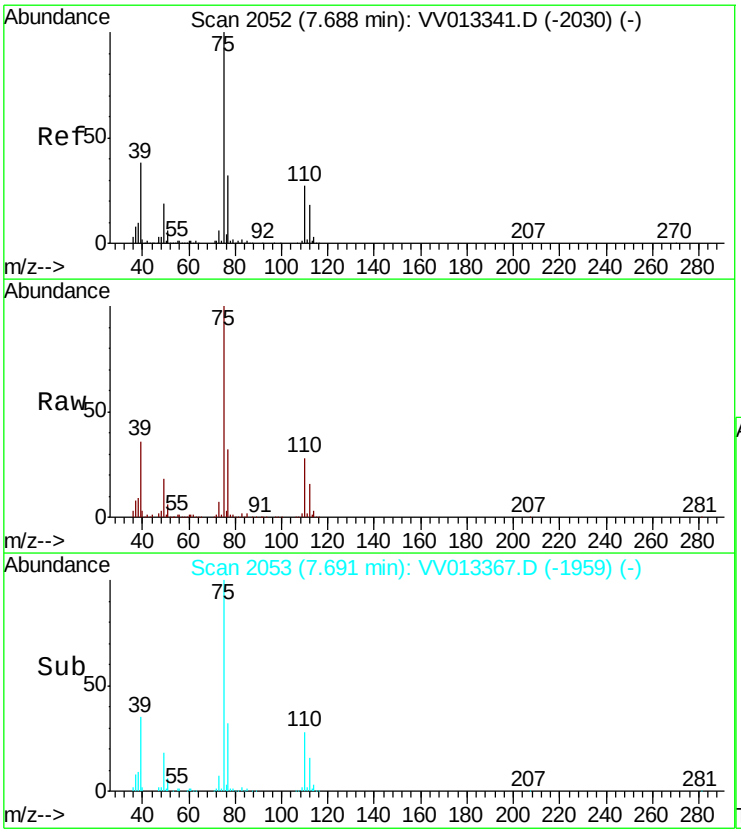

#42
Toluene
Concen: 5.197 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 91 Resp: 1158344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.9 | 40.5 | 75.1 |

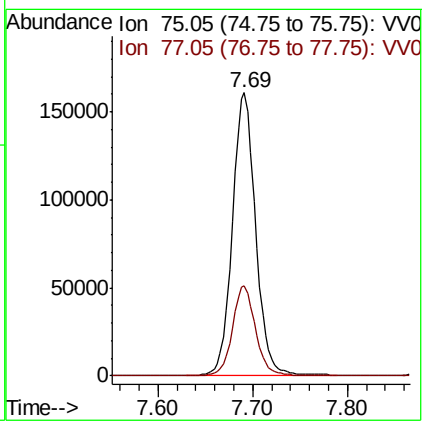


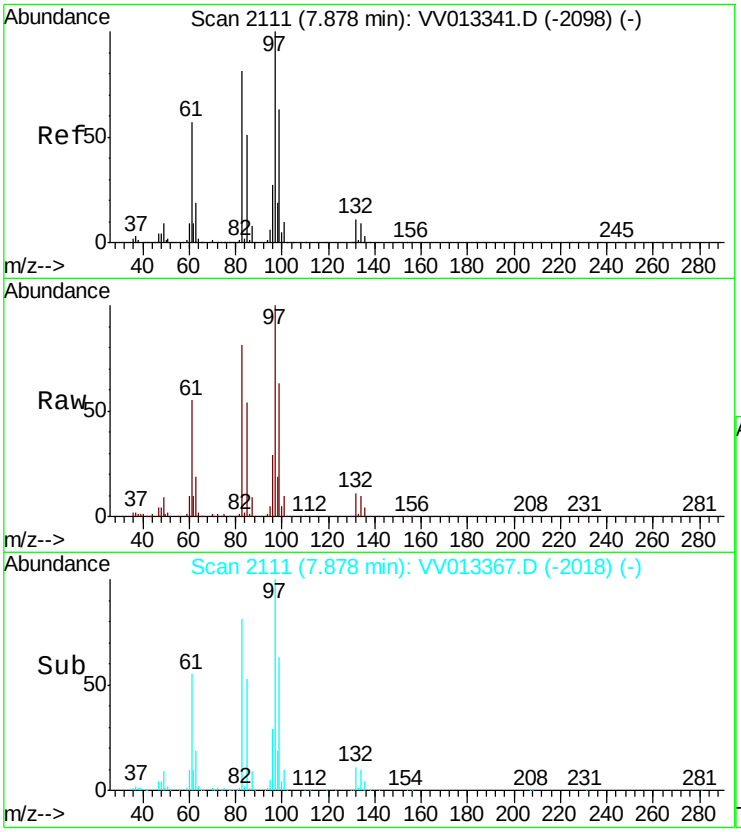




#44
trans-1,3-Dichloropropene
Concen: 5.015 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 75 Resp: 275907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 21.8 | 40.6 |



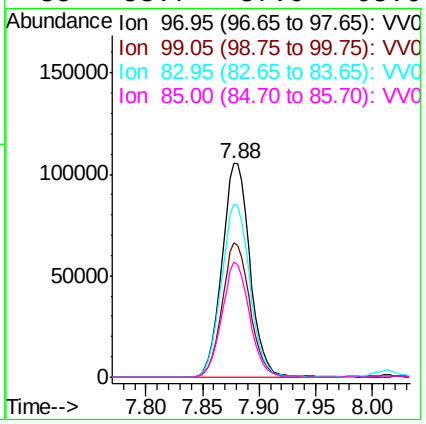


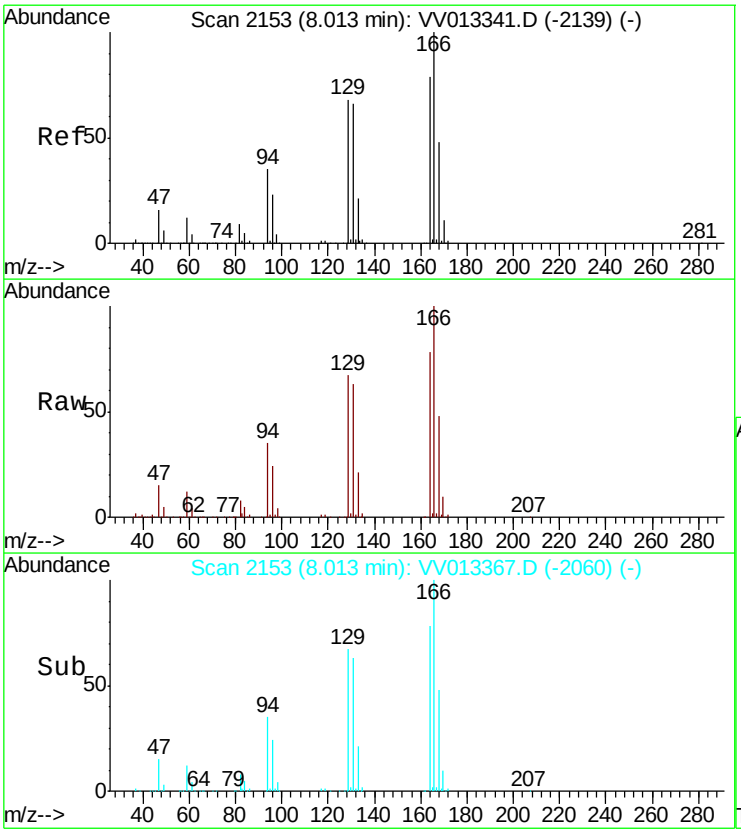

#45
1,1,2-Trichloroethane
Concen: 5.029 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 97 Resp: 180972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.0 | 42.2 | 78.4 |
| 83 | 81.2 | 58.4 | 108.4 |
| 85 | 53.7 | 37.0 | 68.6 |

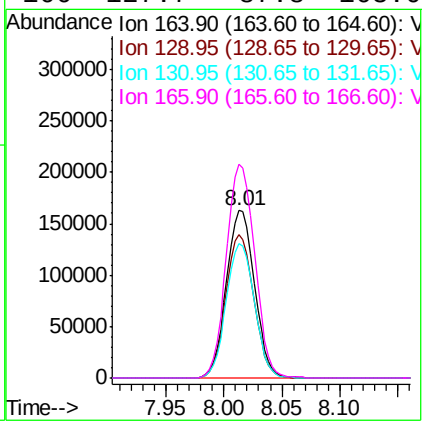


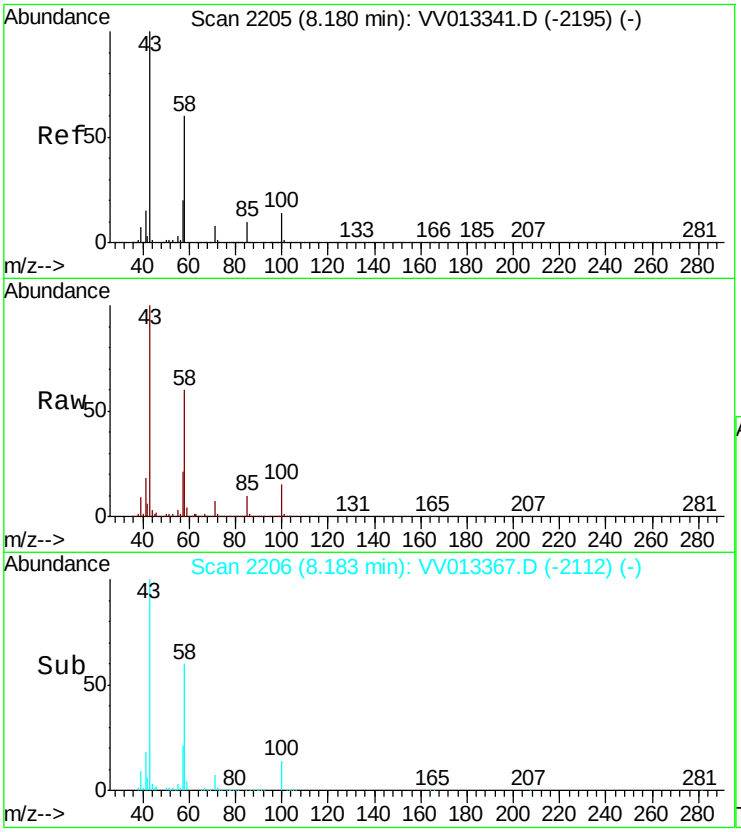




#47
Tetrachloroethene
Concen: 5.305 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:164 Resp: 274410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 85.6 | 61.0 | 113.2 |
| 131 | 80.1 | 57.5 | 106.9 |
| 166 | 127.7 | 87.8 | 163.0 |



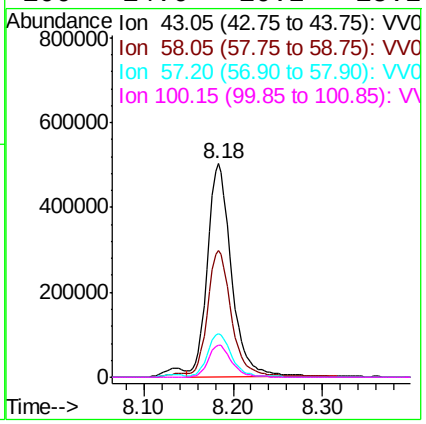


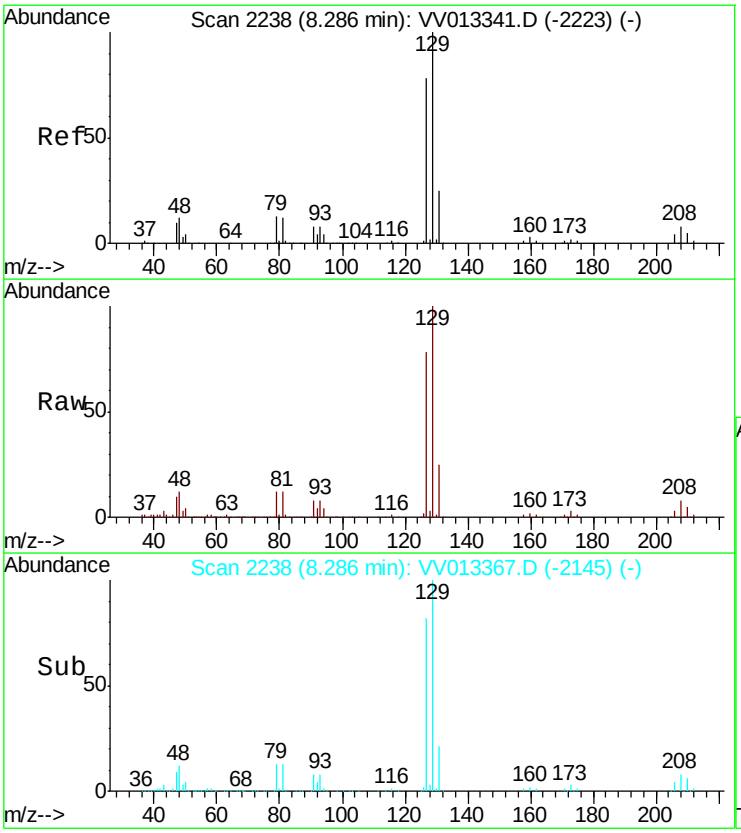

#48
2-Hexanone
Concen: 49.618 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 43 Resp: 933584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 61.4 | 45.1 | 67.7 |
| 57 | 20.3 | 15.5 | 23.3 |
| 100 | 14.6 | 10.2 | 15.2 |

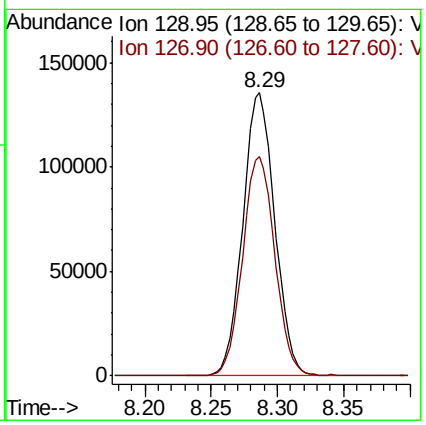


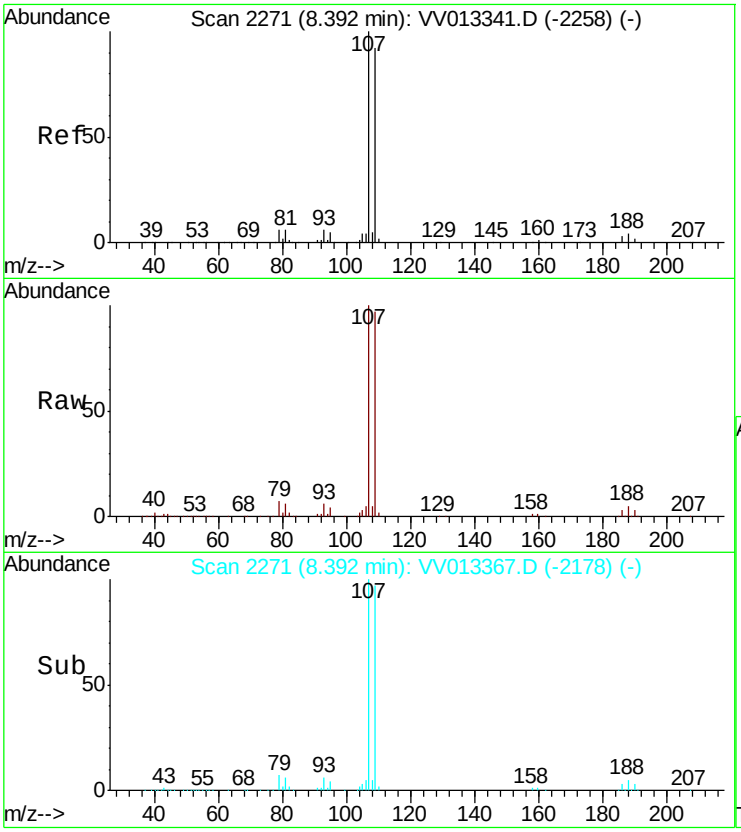




#49
Dibromochloromethane
Concen: 5.020 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:129 Resp: 227559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 54.1 | 100.5 |



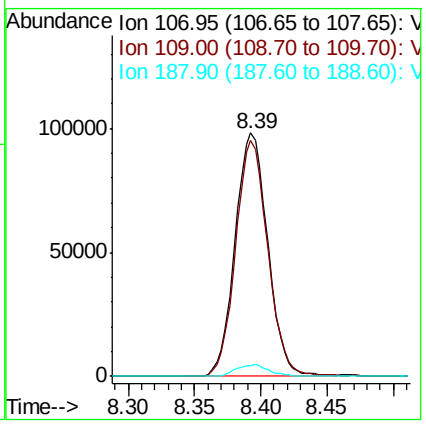


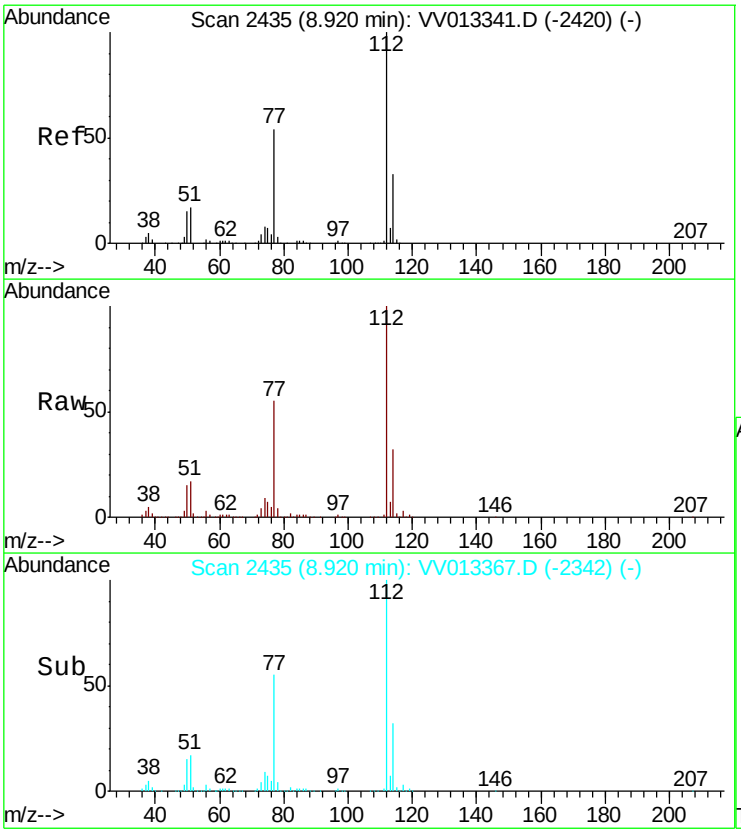

#50
1,2-Dibromoethane
Concen: 4.899 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:107 Resp: 168025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.7 | 65.5 | 121.6 |
| 188 | 4.6 | 3.7 | 5.5 |

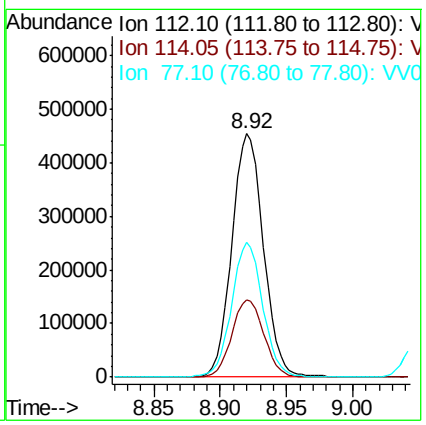


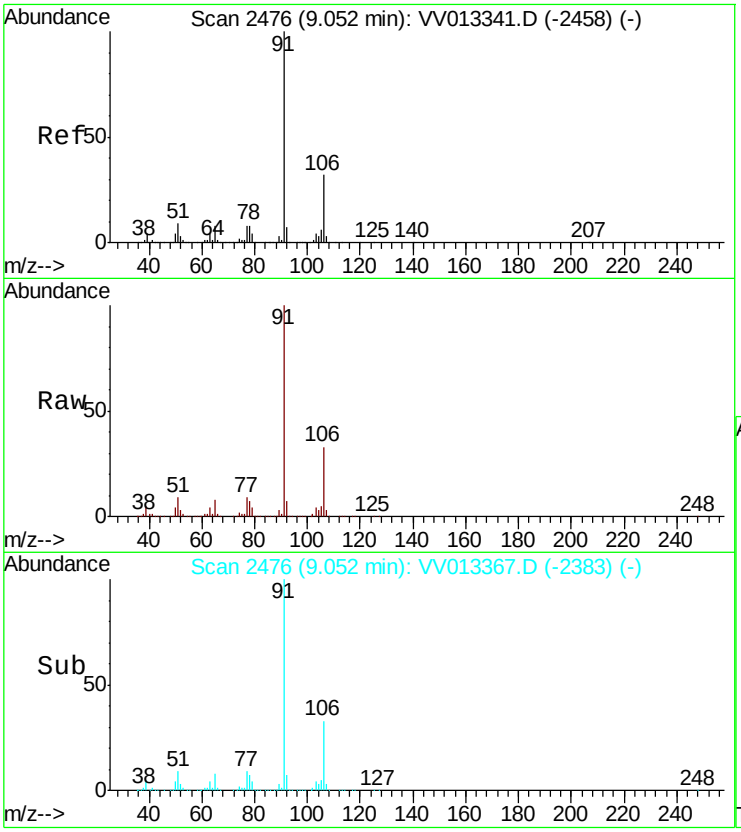




#51
Chlorobenzene
Concen: 5.149 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:112 Resp: 751275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 21.8 | 40.6 |
| 77 | 55.1 | 44.4 | 66.6 |



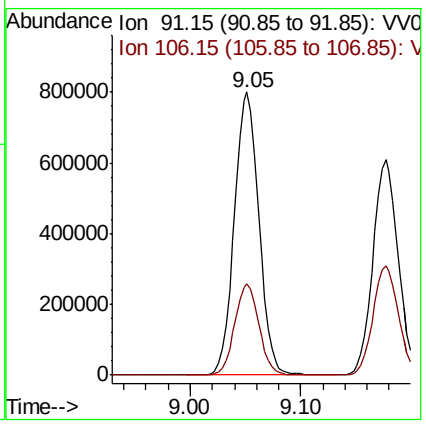


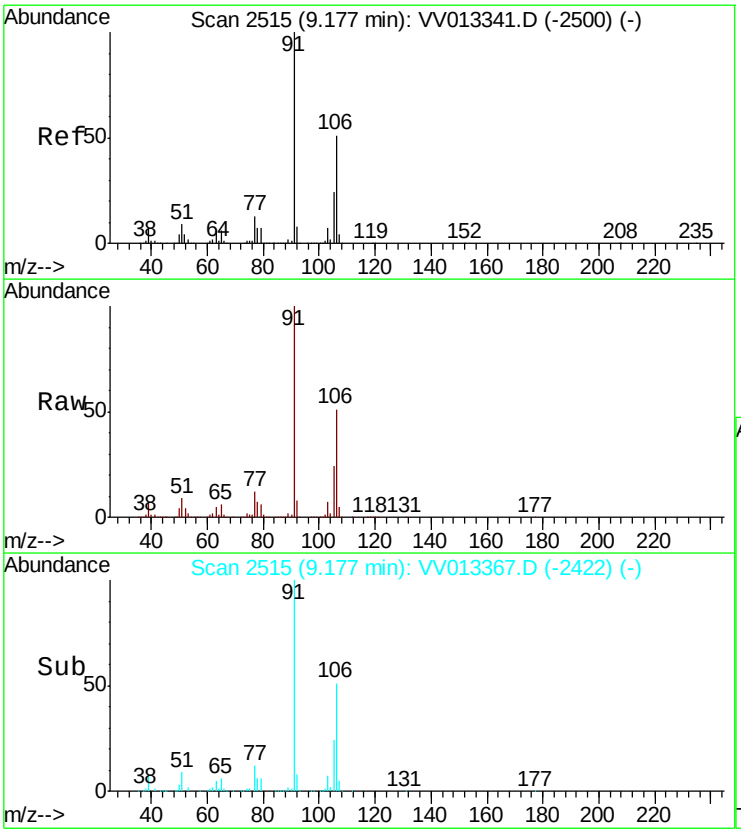

#52
Ethylbenzene
Concen: 5.315 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 91 Resp: 1235086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.5 | 22.4 | 41.6 |

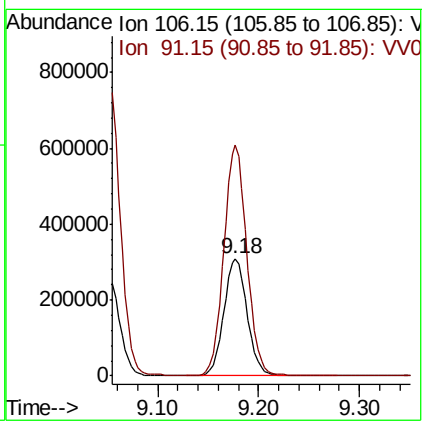


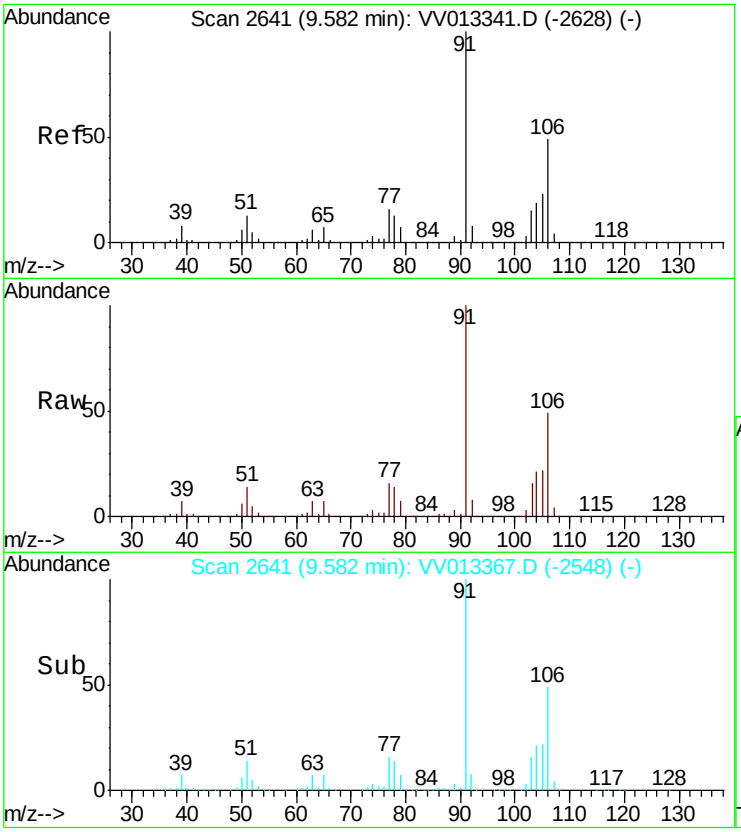




#53
m,p-xylene
Concen: 5.584 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:106 Resp: 496720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.8 | 137.8 | 255.8 |



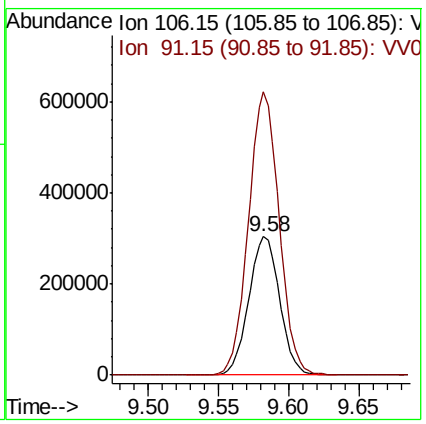


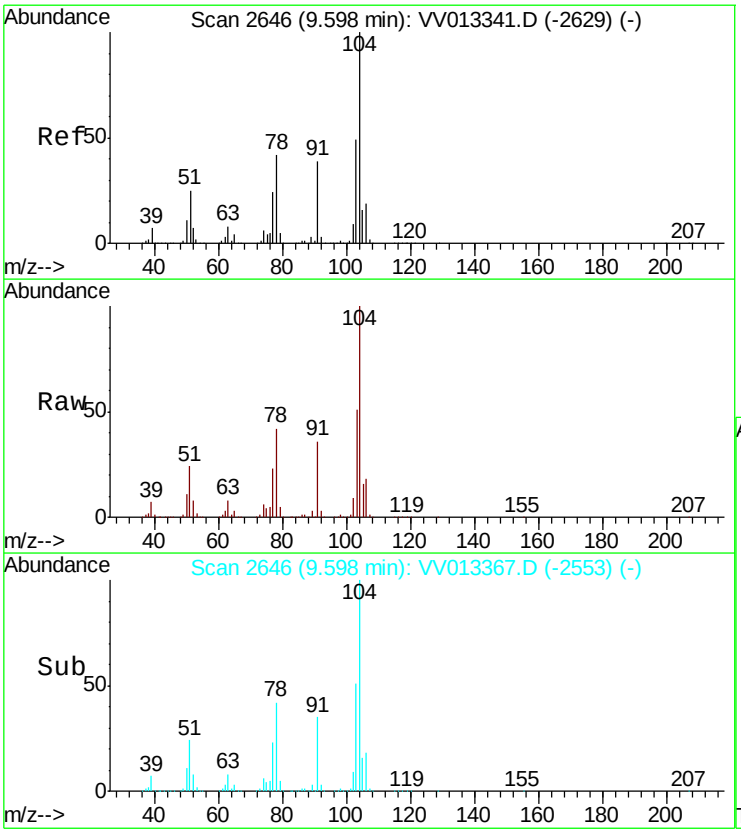

#54
o-xylene
Concen: 5.515 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:106 Resp: 465712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.9 | 147.0 | 273.0 |

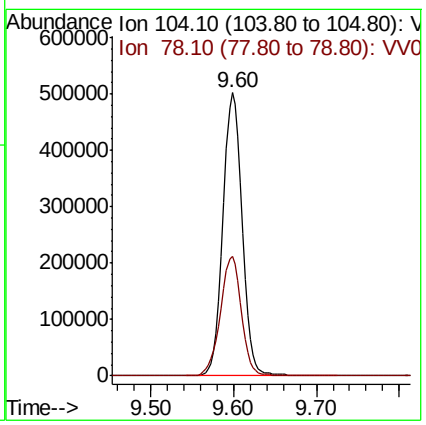


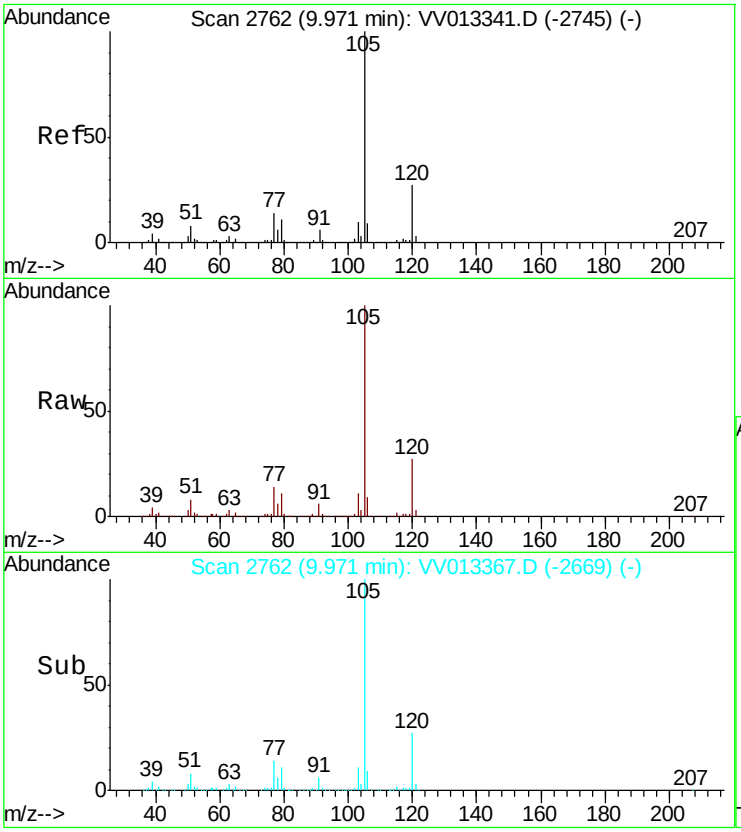




#55
Styrene
Concen: 5.611 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:104 Resp: 805285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.3 | 29.6 | 55.0 |



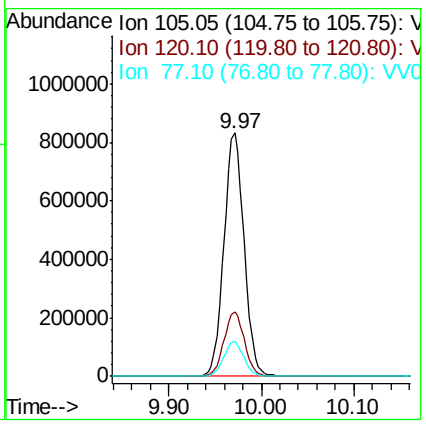


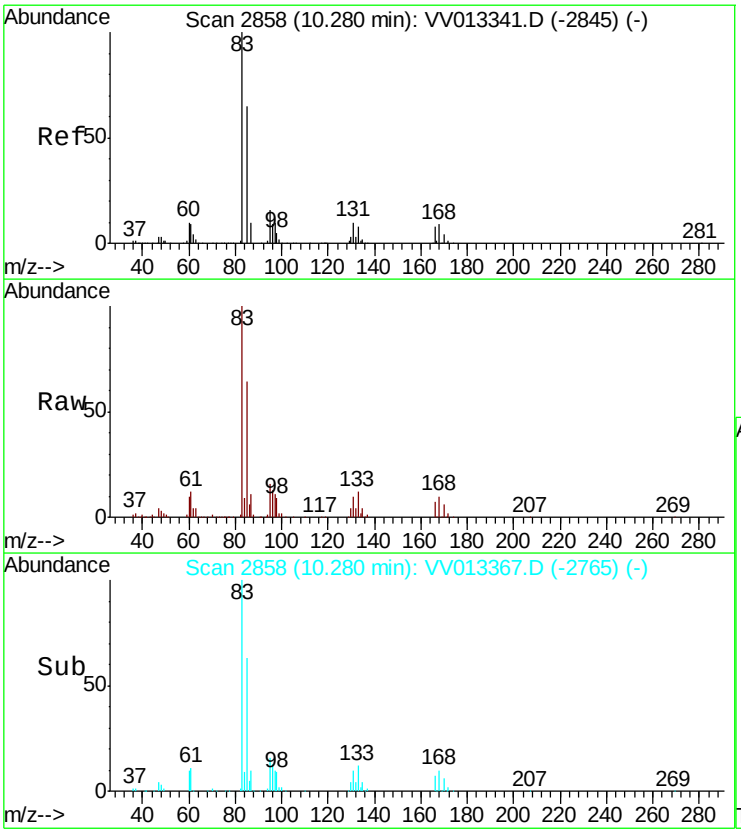

#56
Isopropylbenzene
Concen: 5.630 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:105 Resp: 1253985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.9 | 21.8 | 32.6 |
| 77 | 14.2 | 12.0 | 18.0 |

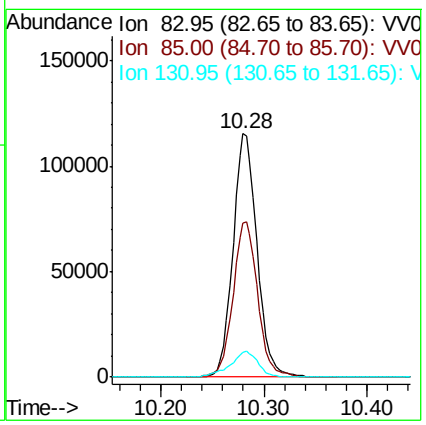


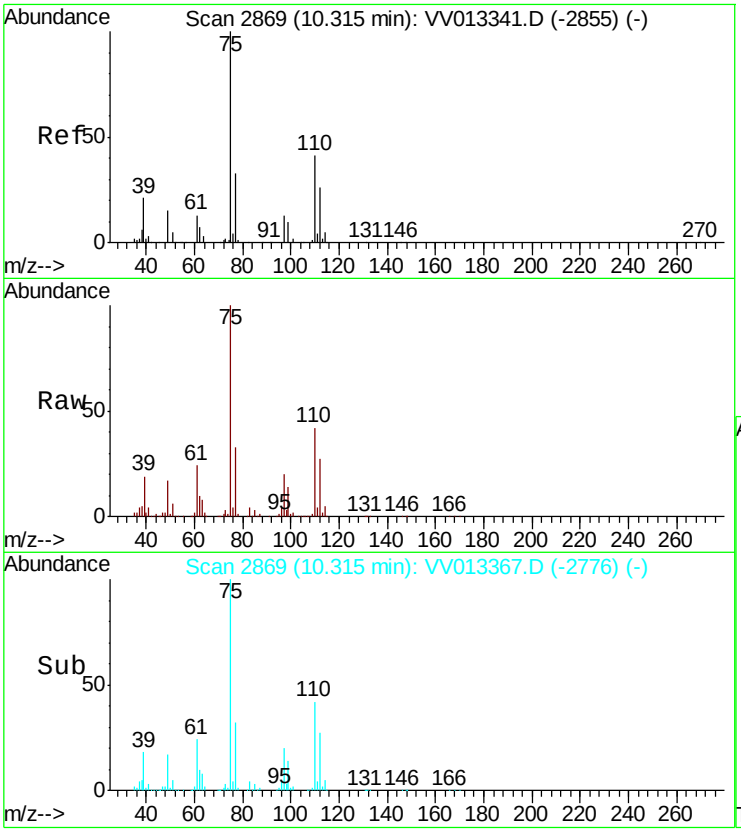




#58
1,1,2,2-Tetrachloroethane
Concen: 4.529 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 83 Resp: 187371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 43.3 | 80.3 |
| 131 | 10.4 | 8.3 | 12.5 |



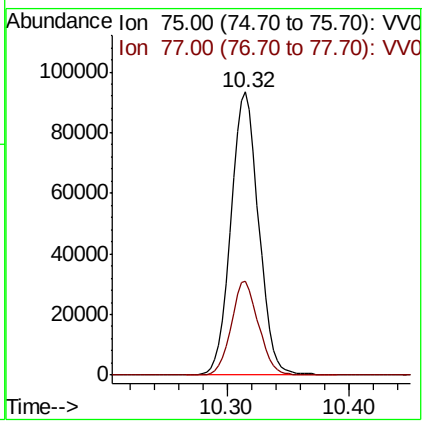


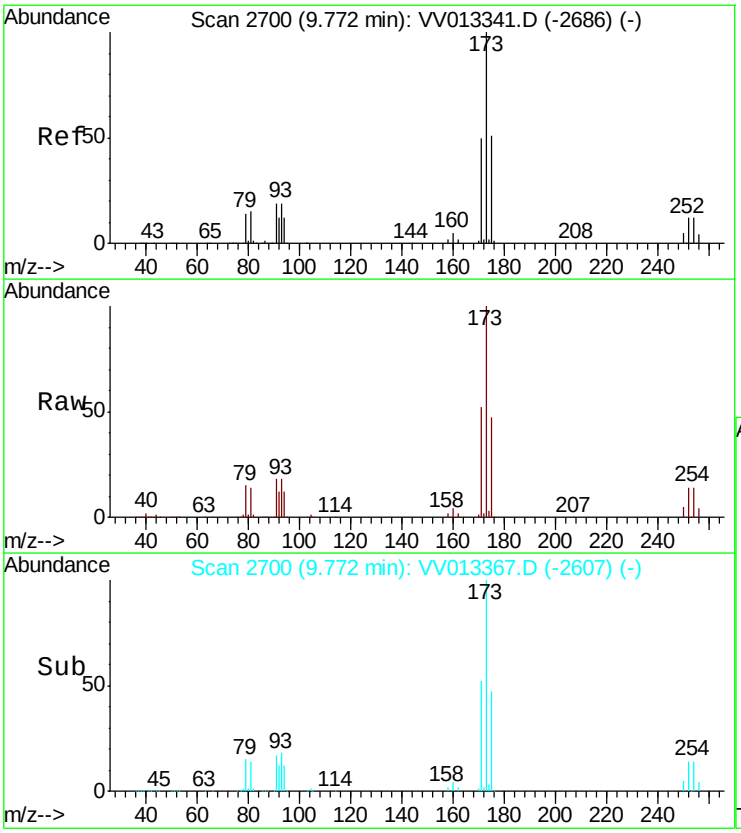

#59
1,2,3-Trichloropropane
Concen: 4.792 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion: 75 Resp: 147369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 24.7 | 37.1 |

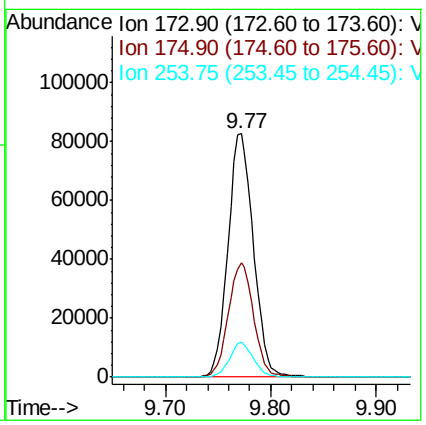


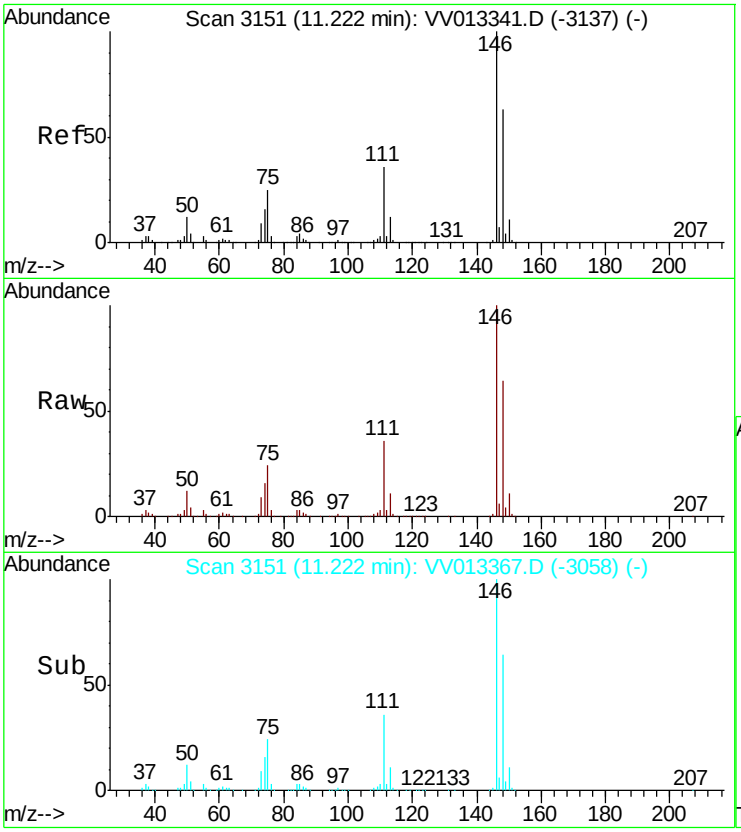




#61
Bromoform
Concen: 4.987 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:173 Resp: 137457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.5 | 38.8 | 58.2 |
| 254 | 13.5 | 9.8 | 14.8 |



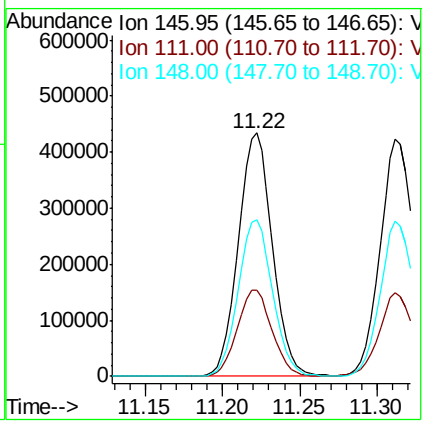


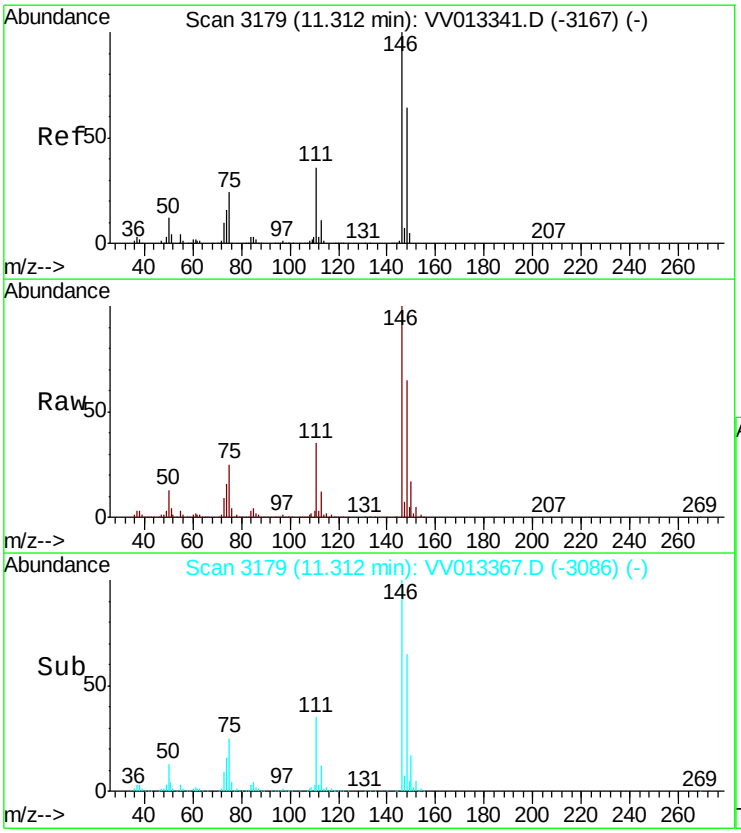

#62
1,3-Dichlorobenzene
Concen: 5.223 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:146 Resp: 665028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.6 | 25.8 | 47.8 |
| 148 | 64.1 | 43.8 | 81.3 |

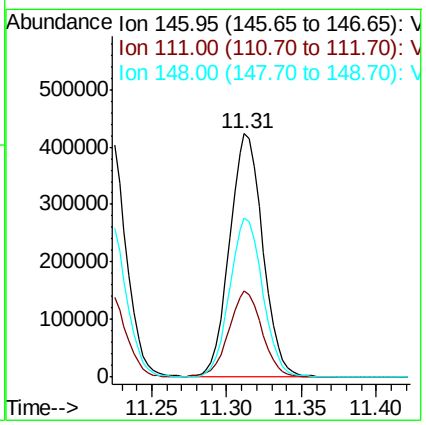


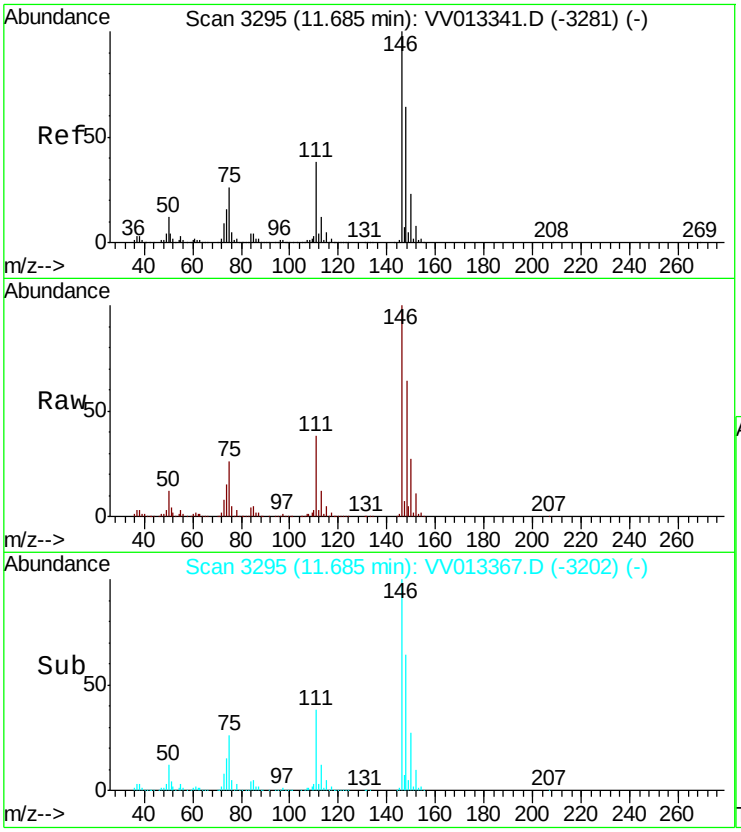




#63
1,4-Dichlorobenzene
Concen: 5.065 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:146 Resp: 652906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.2 | 24.6 | 45.6 |
| 148 | 65.3 | 43.3 | 80.5 |



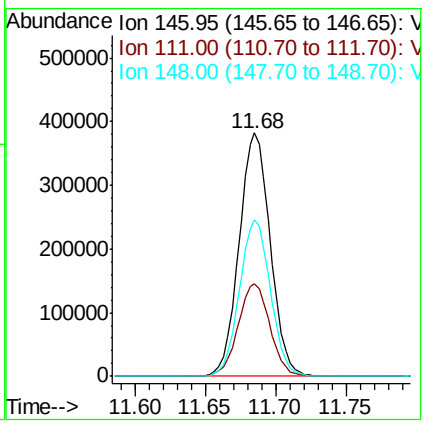


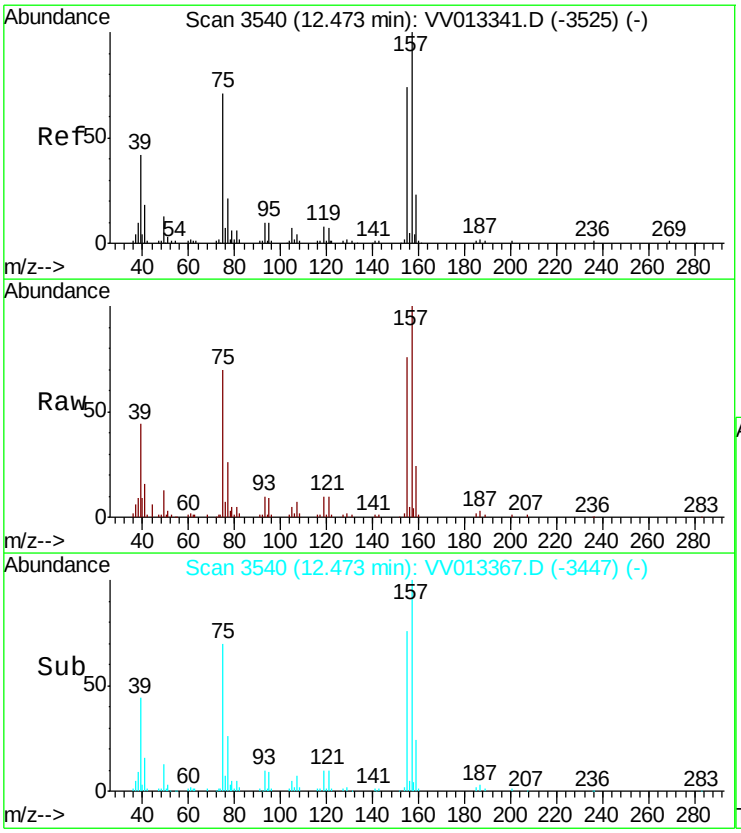

#65
1,2-Dichlorobenzene
Concen: 5.045 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. -0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:146 Resp: 591554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 31.8 | 47.6 |
| 148 | 64.1 | 51.0 | 76.6 |

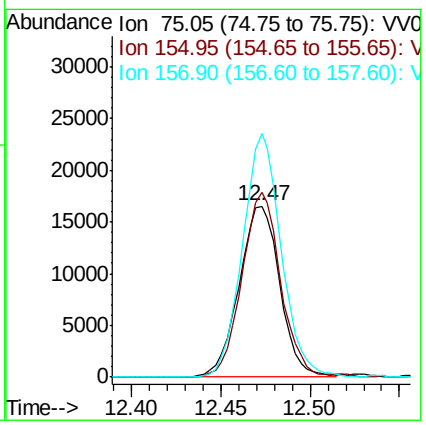


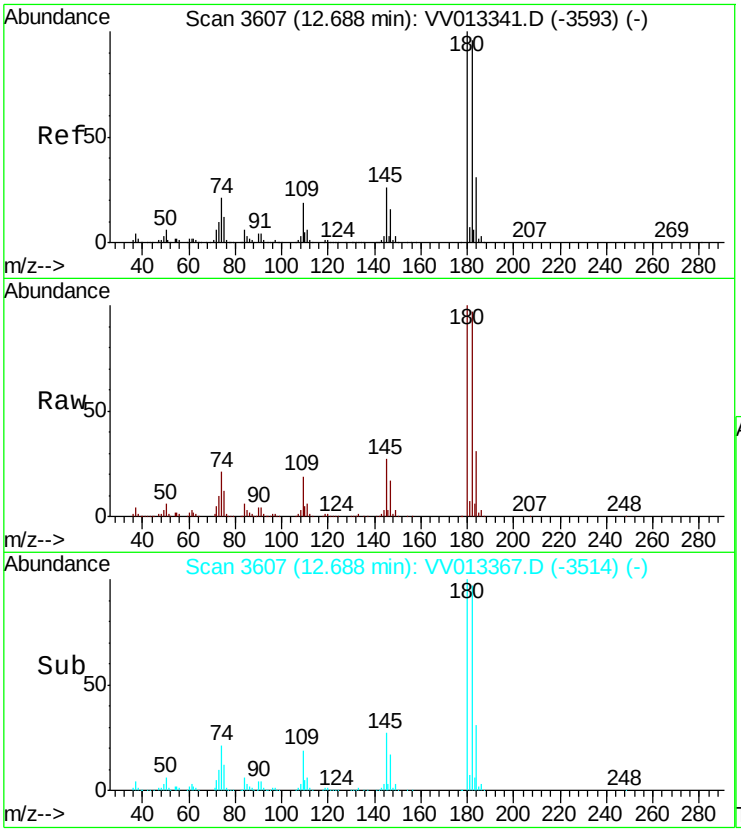




#66
1,2-Dibromo-3-chloropropane
Concen: 3.963 ug/L
RT: 12.47 min Scan# 3540
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion: 75 Resp: 26390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 107.7 | 69.3 | 103.9# |
| 157 | 142.2 | 94.3 | 141.5# |



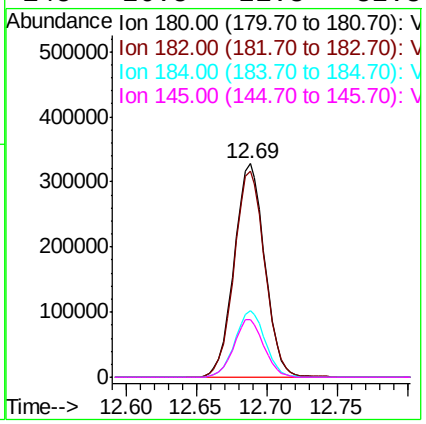


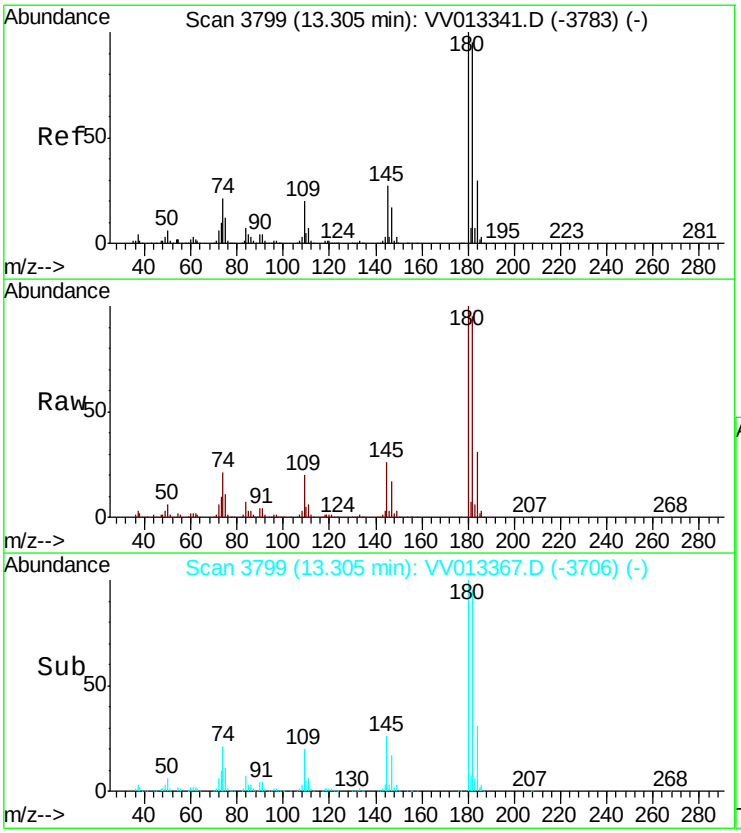

#67
1,3,5-Trichlorobenzene
Concen: 5.298 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:180 Resp: 498711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 76.2 | 114.2 |
| 184 | 30.7 | 24.0 | 36.0 |
| 145 | 26.5 | 21.8 | 32.8 |

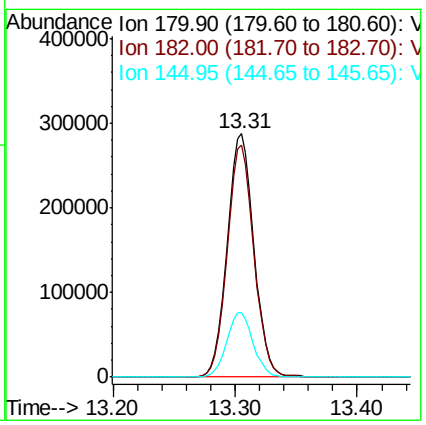


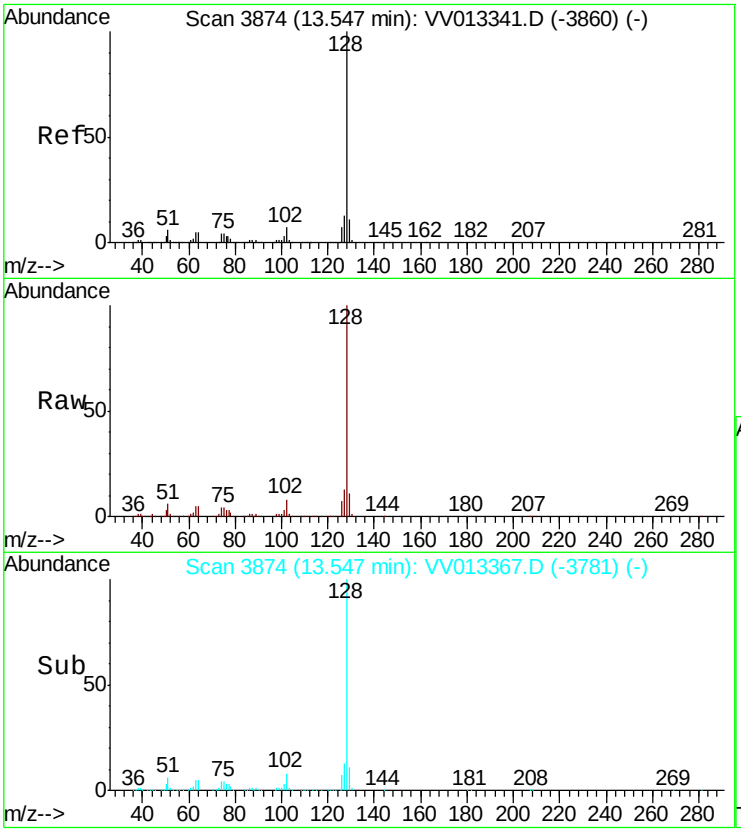




#68
1,2,4-trichlorobenzene
Concen: 5.355 ug/L
RT: 13.31 min Scan# 3799
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:180 Resp: 440988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.7 | 115.1 |
| 145 | 26.2 | 22.1 | 33.1 |



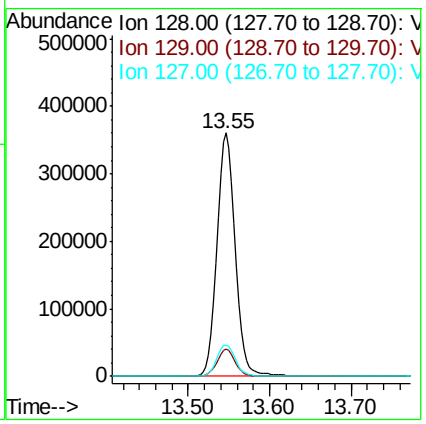


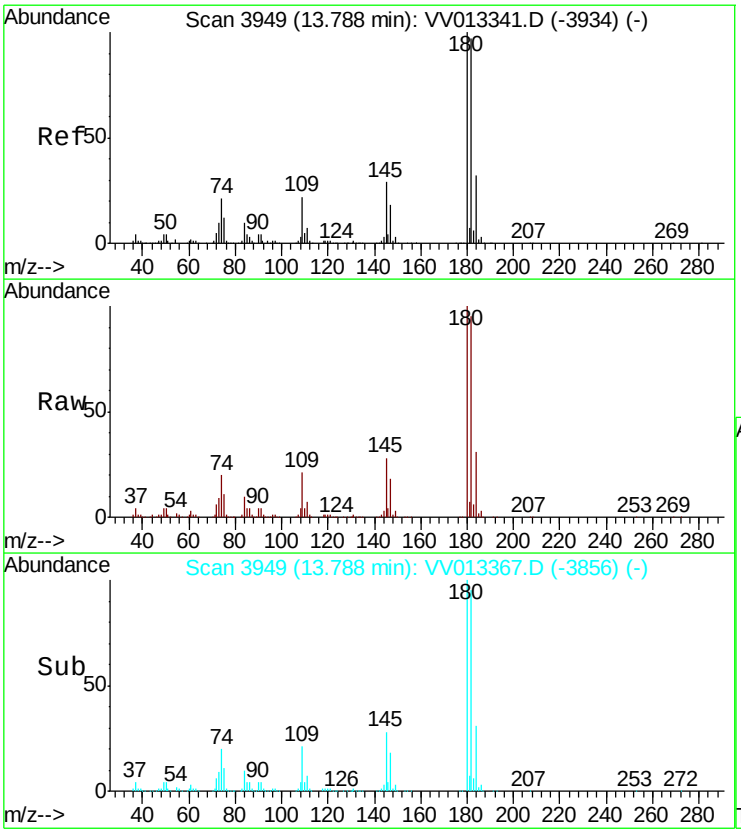

#69
Naphthalene
Concen: 5.057 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

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

Tgt Ion:128 Resp: 574470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.0 | 13.6 |
| 127 | 13.3 | 10.4 | 15.6 |




#70
1,2,3-Trichlorobenzene
Concen: 5.300 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV013367.D
Acq: 26 Oct 2019 11:25

Tgt Ion:180 Resp: 405373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 76.5 | 114.7 |
| 145 | 28.3 | 23.5 | 35.3 |