Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\

Quantitation Report (Not Reviewed)

Data File : VL032374.D
Acq On : 16 Aug 2018 6:38
Operator : SY/AP
Sample : J4457-10
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SG10-MIVI

Quant Time: Aug 16 08:06:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.82 | 49 | 1548979 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.35 | 114 | 3011278 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.31 | 117 | 3100539 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.64 | 95 | 2407231 | 10.18 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 101.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.11 | 85 | 20557 | Below Cal | | # | 87 |
| 3) Chlorodifluoromethane | 3.05 | 51 | 97415 | 0.679 | ppbv | # | 81 |
| 4) Chloromethane | 3.21 | 50 | 52539 | 0.615 | ppbv | | 97 |
| 9) Propene | 3.07 | 41 | 228015 | 3.713 | ppbv | | 86 |
| 10) Heptane | 8.30 | 43 | 121420 | 0.656 | ppbv | | 97 |
| 11) Trichlorofluoromethane | 4.05 | 101 | 35673 | 0.206 | ppbv | | 94 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.60 | 101 | 6444 | 0.055 | ppbv | # | 77 |
| 13) Ethanol | 3.69 | 45 | 281570 | 17.852 | ppbv | | 98 |
| 15) Acetone | 3.94 | 43 | 4649446 | 31.593 | ppbv | | 97 |
| 16) 1,3-Butadiene | 3.38 | 39 | 461901 | 7.602 | ppbv | # | 1 |
| 17) tert-Butyl alcohol | 4.41 | 59 | 315955 | 12.795 | ppbv | | 96 |
| 19) Isopropyl Alcohol | 4.07 | 45 | 770760 | 7.778 | ppbv | # | 95 |
| 20) Methylene Chloride | 4.46 | 84 | 329489 | 5.928 | ppbv | | 96 |
| 21) Allyl Chloride | 4.45 | 41 | 11172 | 0.120 | ppbv | # | 69 |
| 23) Vinyl Acetate | 5.20 | 43 | 222607 | 0.876 | ppbv | # | 52 |
| 25) Ethyl Acetate | 5.82 | 43 | 538878 | 1.709 | ppbv | # | 87 |
| 26) Hexane | 5.83 | 57 | 191323 | 1.361 | ppbv | # | 72 |
| 27) Carbon Disulfide | 4.67 | 76 | 102463 | 0.781 | ppbv | # | 85 |
| 28) Methyl tert-Butyl Ether | 5.17 | 73 | 8538 | 0.046 | ppbv | # | 51 |
| 29) Chloroform | 5.90 | 83 | 13236 | 0.064 | ppbv | | 92 |
| 30) Cyclohexane | 7.31 | 84 | 135406 | 1.264 | ppbv | | 98 |
| 31) cis-1,2-Dichloroethene | 5.82 | 61 | 56617 | 0.412 | ppbv | # | 29 |
| 34) 2-Butanone | 5.38 | 43 | 731667 | 3.570 | ppbv | | 99 |
| 35) Carbon Tetrachloride | 7.20 | 117 | 21423 | 0.121 | ppbv | # | 83 |
| 36) Benzene | 7.06 | 78 | 342260 | 1.341 | ppbv | | 97 |
| 37) 1,2-Dichloroethane | 6.47 | 62 | 23393 | 0.151 | ppbv | # | 92 |
| 39) 1,2-Dichloropropane | 7.35 | 63 | 791131 | 7.419 | ppbv | # | 25 |
| 41) Tetrahydrofuran | 6.21 | 42 | 6160 | 0.056 | ppbv | # | 33 |
| 43) Methyl Methacrylate | 8.20 | 69 | 5534 | 0.054 | ppbv | # | 1 |
| 44) 2,2,4-Trimethylpentane | 8.05 | 57 | 142329 | 0.309 | ppbv | # | 81 |
| 50) 4-Methyl-2-Pentanone | 8.94 | 43 | 50263 | 0.170 | ppbv | | 100 |
| 51) 2-Hexanone | 10.34 | 43 | 20099 | 0.097 | ppbv | # | 1 |
| 52) Tetrachloroethene | 11.44 | 164 | 9426 | 0.125 | ppbv | # | 69 |
| 53) Toluene | 10.01 | 91 | 3136553 | 11.208 | ppbv | | 99 |
| 56) 1,1,1,2-Tetrachloroethane | 11.90 | 131 | 34536 | 0.269 | ppbv | # | 1 |
| 58) Ethyl Benzene | 12.93 | 91 | 512894 | 1.375 | ppbv | | 95 |
| 59) m/p-Xylene | 13.22 | 91 | 205595 | 0.649 | ppbv | # | 30 |
| 60) o-Xylene | 13.92 | 91 | 494556 | 1.588 | ppbv | | 99 |
| 61) Styrene | 13.75 | 104 | 264325 | 1.214 | ppbv | | 99 |
| 62) Isopropylbenzene | 14.89 | 105 | 99114 | 0.224 | ppbv | | 97 |
| 64) n-propylbenzene | 15.79 | 120 | 3455 | 0.030 | ppbv | # | 1 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\

Quantitation Report (Not Reviewed)

Data File : VL032374.D
Acq On : 16 Aug 2018 6:38
Operator : SY/AP
Sample : J4457-10
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SG10-MIVI

Quant Time: Aug 16 08:06:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 65) tert-Butylbenzene | 16.99 | 119 | 41063 | 0.108 | ppbv | # | 13 |
| 67) sec-Butylbenzene | 17.52 | 105 | 26477 | 0.047 | ppbv | # | 59 |
| 69) p-Isopropyltoluene | 17.88 | 119 | 48934 | 0.114 | ppbv | # | 92 |
| 70) n-Butylbenzene | 18.80 | 91 | 75812 | 0.160 | ppbv | # | 27 |
| 71) 2-Chlorotoluene | 15.78 | 91 | 51314 | 0.150 | ppbv | # | 48 |
| 72) 4-Ethyltoluene | 16.07 | 105 | 97799 | 0.282 | ppbv | | 96 |
| 73) 1,3,5-Trimethylbenzene | 16.22 | 105 | 280607 | 0.840 | ppbv | | 89 |
| 74) 1,2,4-Trimethylbenzene | 16.99 | 105 | 582754 | 1.639 | ppbv | # | 71 |
| 75) 1,3-Dichlorobenzene | 17.23 | 146 | 21419 | 0.100 | ppbv | # | 1 |
| 79) Naphthalene | 22.50 | 128 | 165032 | 0.807 | ppbv | # | 94 |
| 80) Naphthalene,2-methyl- | 25.17 | 142 | 17627 | 0.248 | ppbv | # | 59 |
| 81) 1,2,4-Trichlorobenzene | 21.78 | 180 | 81123 | 0.590 | ppbv | # | 12 |

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

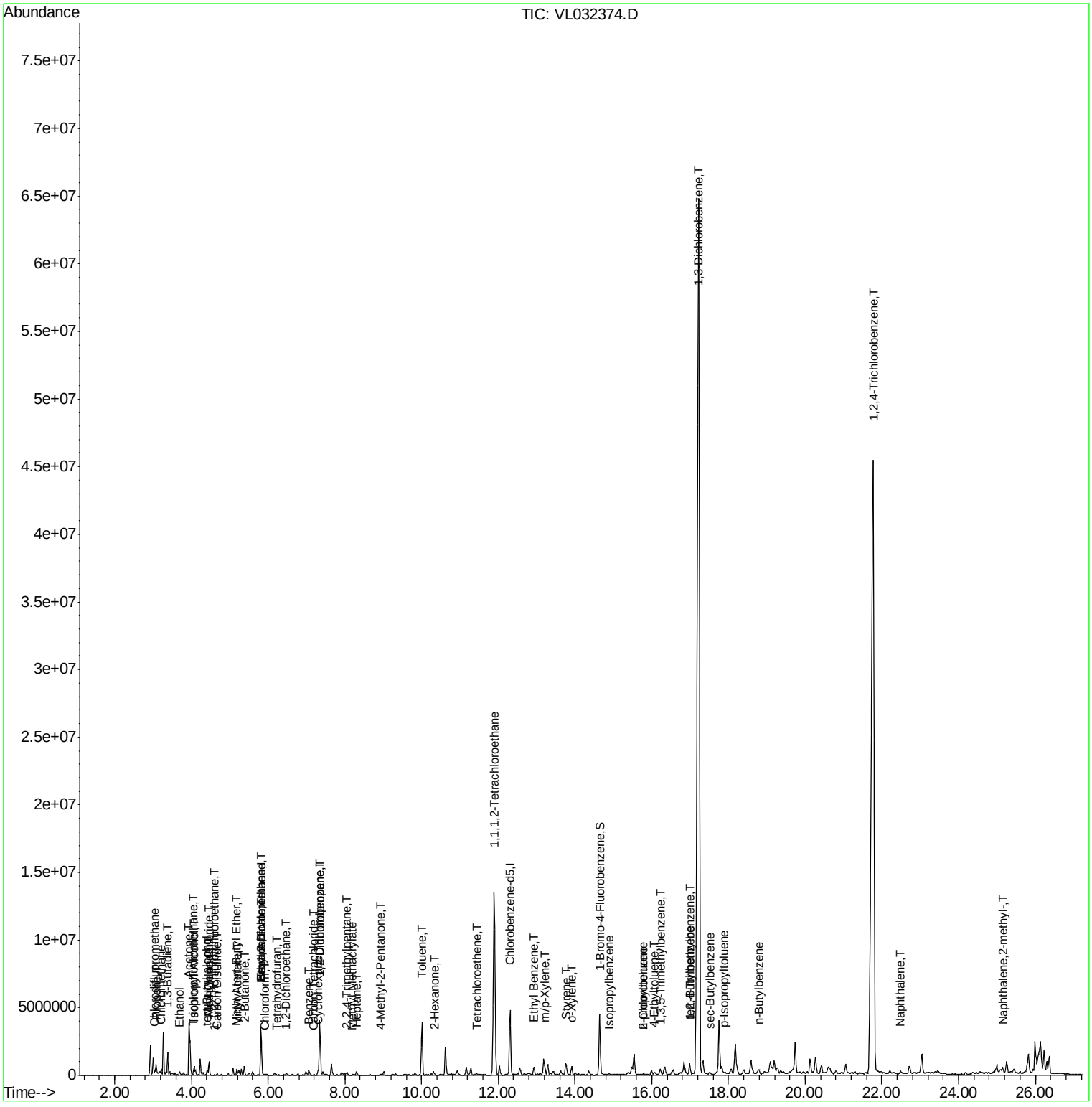
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\

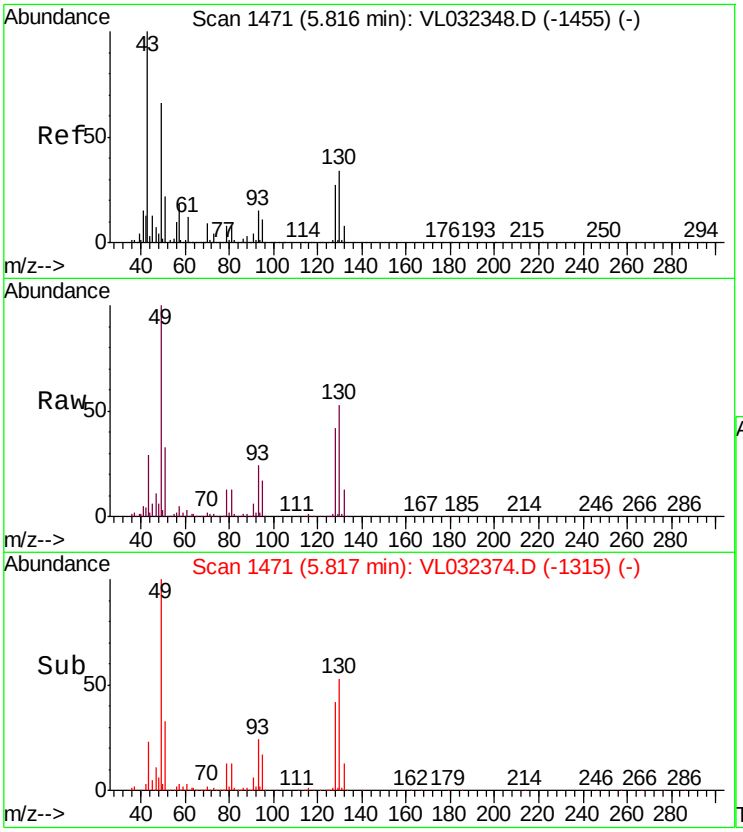
Quantitation Report (Not Reviewed)

Data File : VL032374.D
Acq On : 16 Aug 2018 6:38
Operator : SY/AP
Sample : J4457-10
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SG10-MIVI

Quant Time: Aug 16 08:06:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration



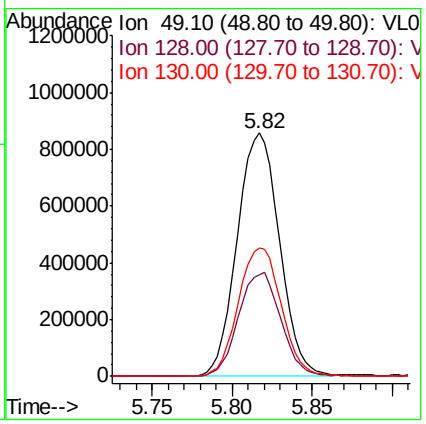


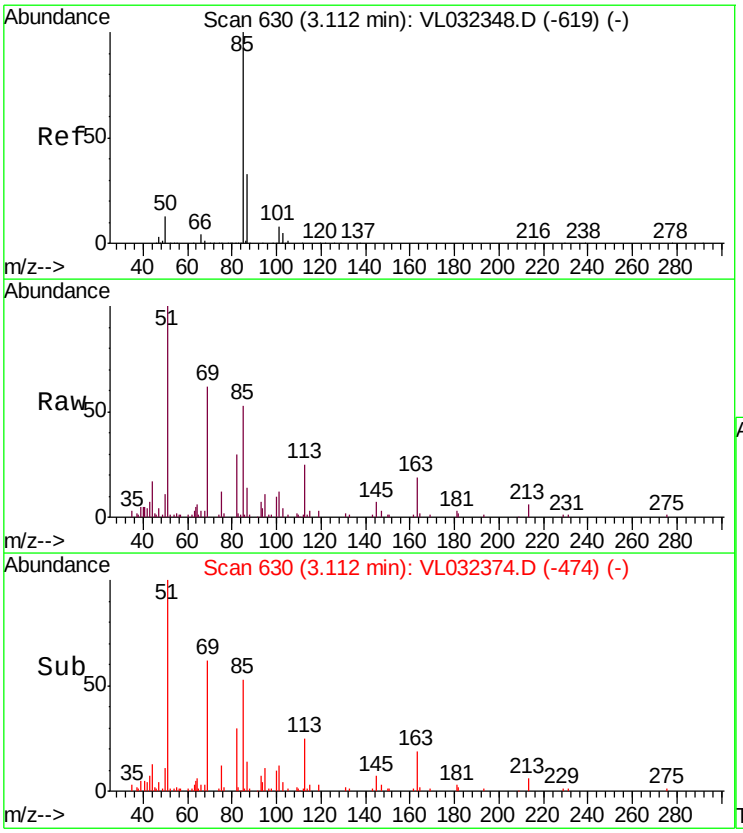

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 49 Resp: 1548979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 42.9 | 20.5 | 61.6 |
| 130 | 54.0 | 26.2 | 78.5 |

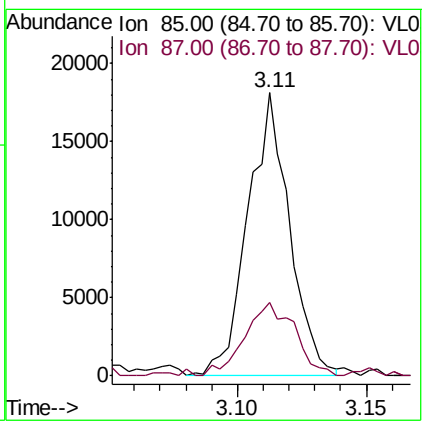


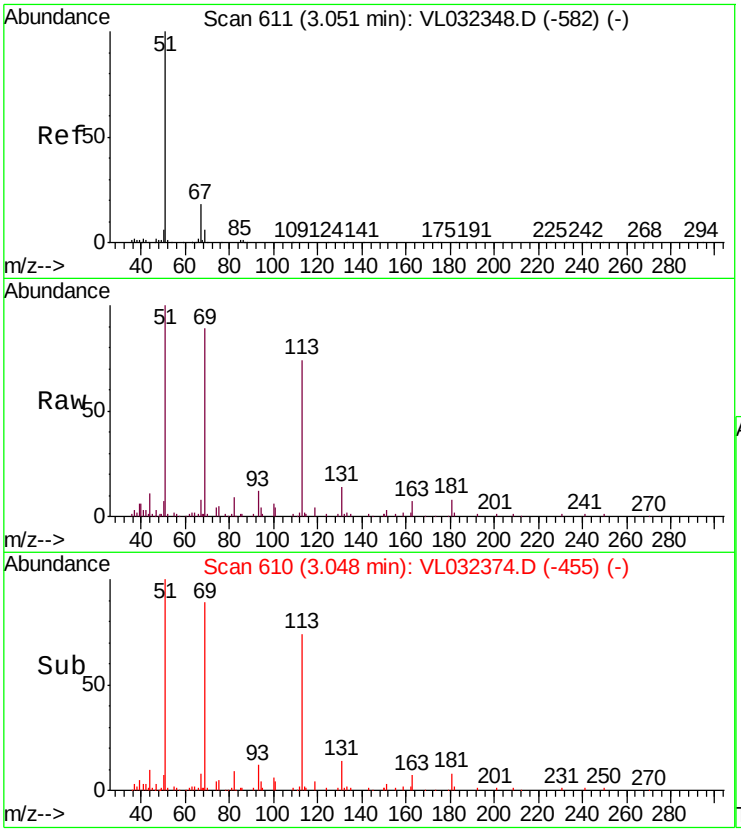




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 85 Resp: 20557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 25.8 | 26.3 | 39.5# |



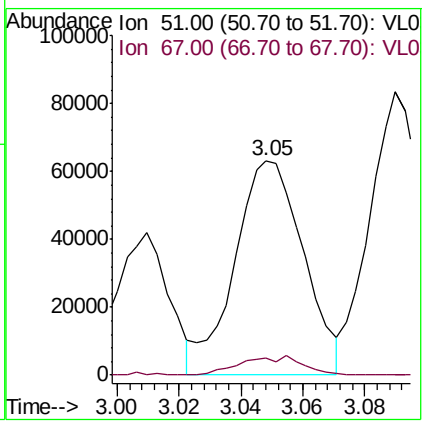


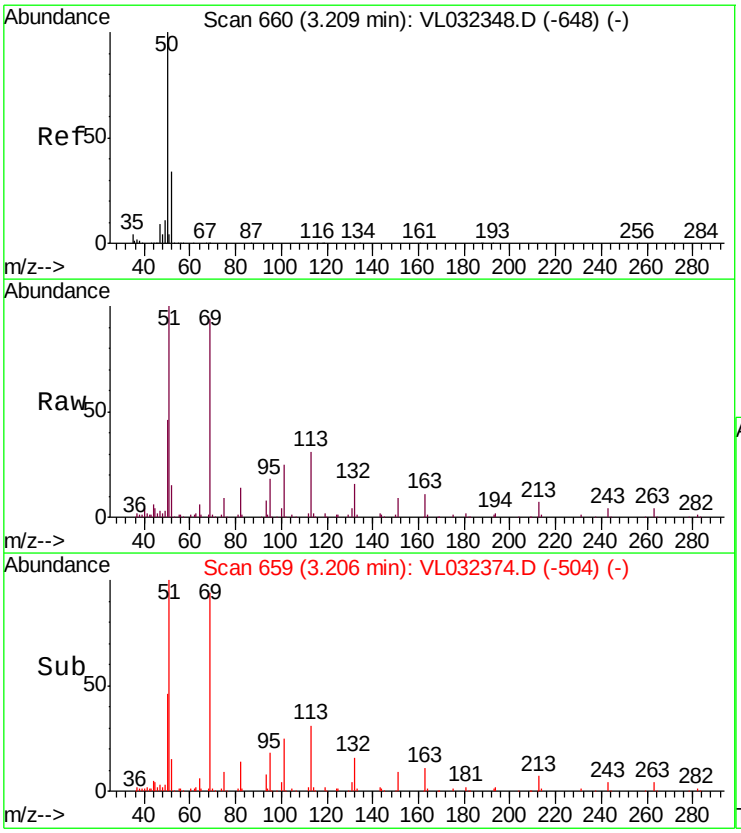

#3
Chlorodifluoromethane
Concen: 0.679 ppbv
RT: 3.05 min Scan# 610
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 51 Resp: 97415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 8.9 | 13.7 | 20.5# |

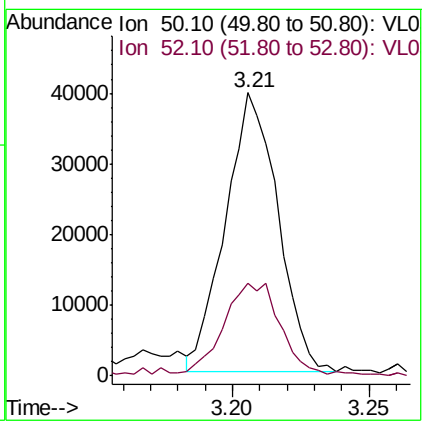


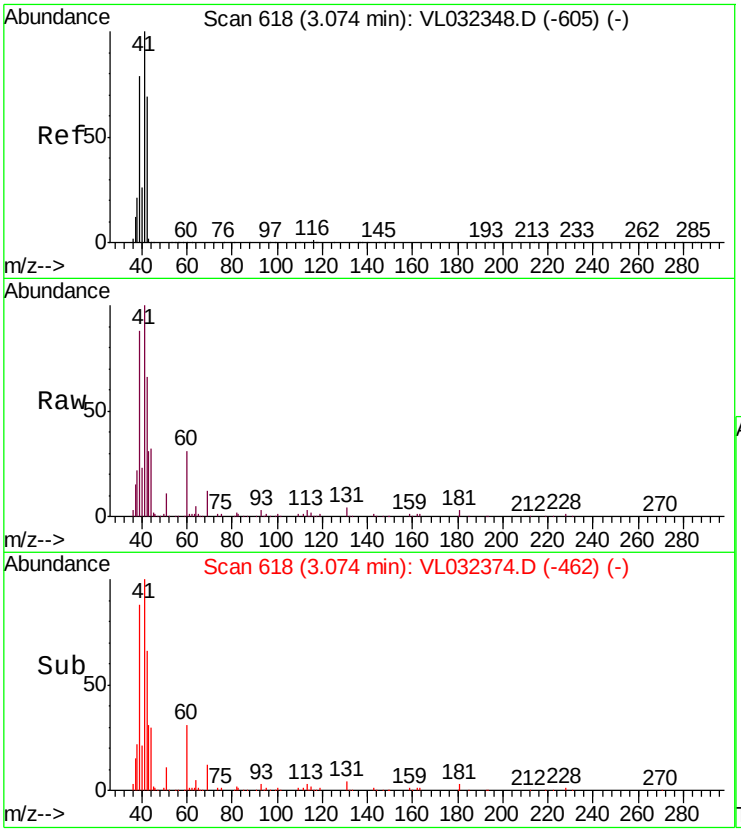




#4
Chloromethane
Concen: 0.615 ppbv
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 50 Resp: 52539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.6 | 26.8 | 40.2 |



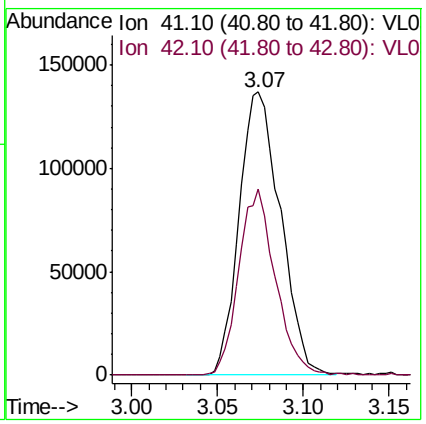


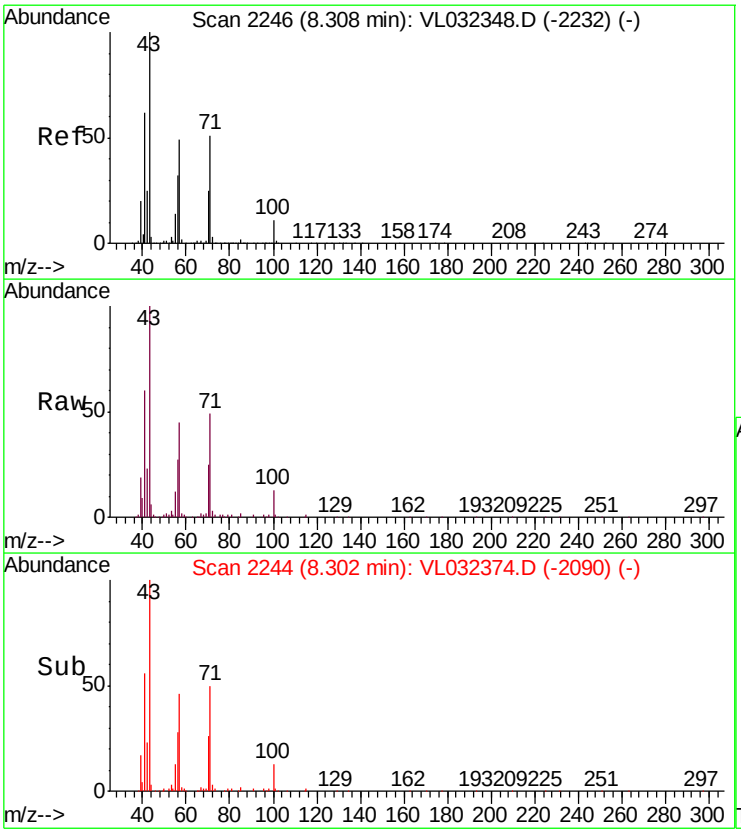

#9
Propene
Concen: 3.713 ppbv
RT: 3.07 min Scan# 618
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 41 Resp: 228015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 58.3 | 55.9 | 83.9 |

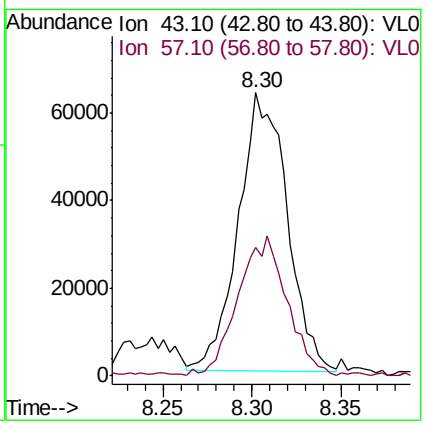


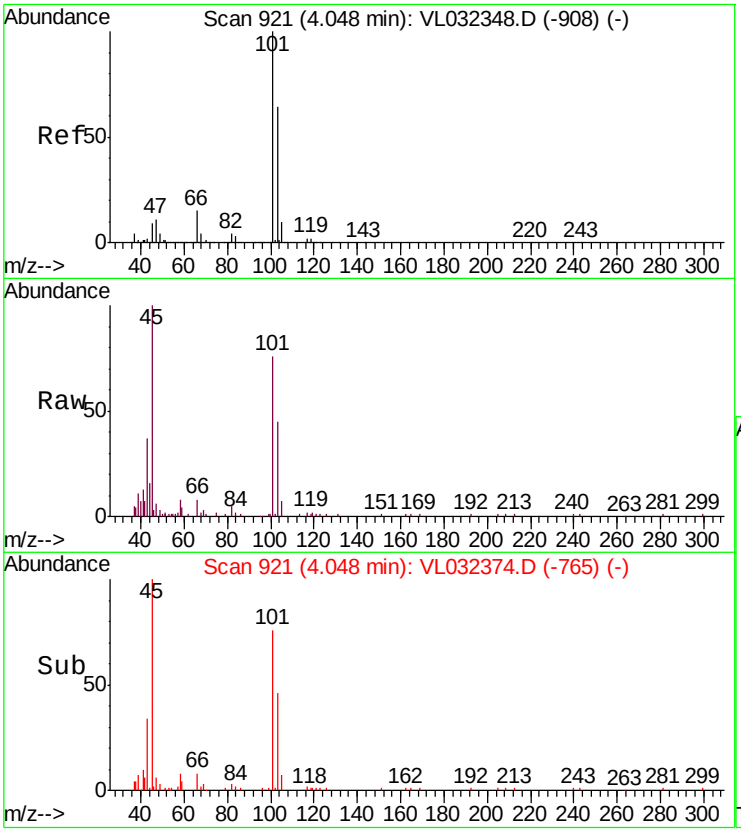




#10
Heptane
Concen: 0.656 ppbv
RT: 8.30 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 43 Resp: 121420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 51.7 | 39.5 | 59.3 |



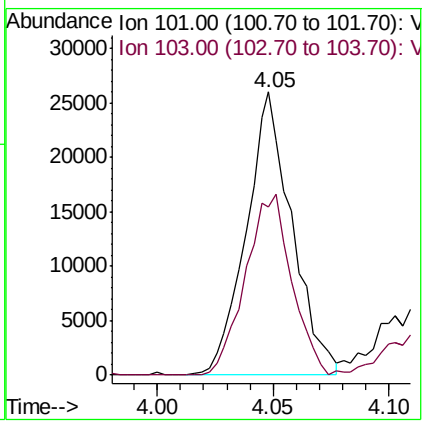


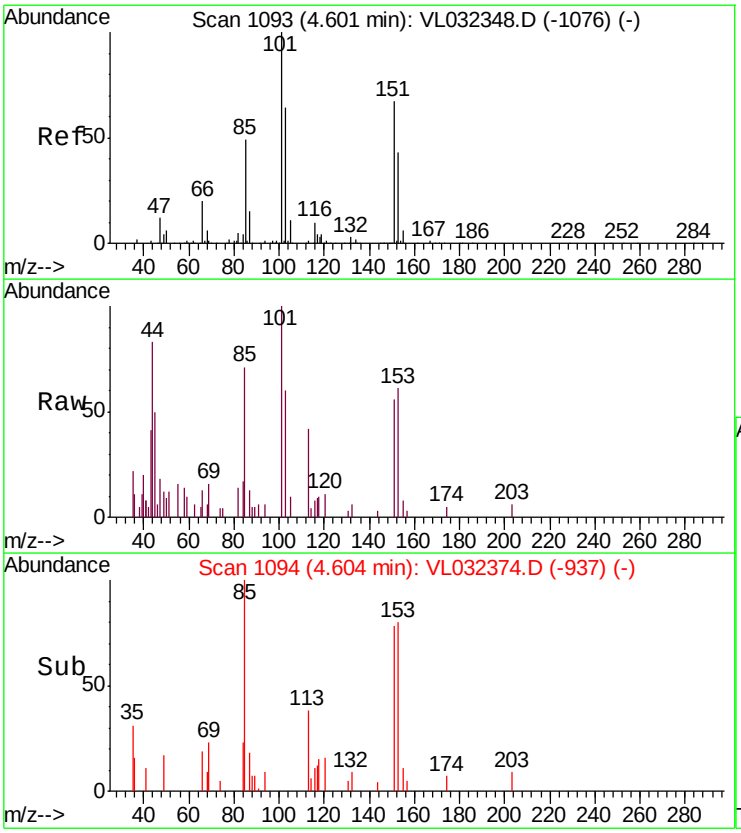

#11
Trichlorofluoromethane
Concen: 0.206 ppbv
RT: 4.05 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:101 Resp: 35673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 59.4 | 51.4 | 77.0 |

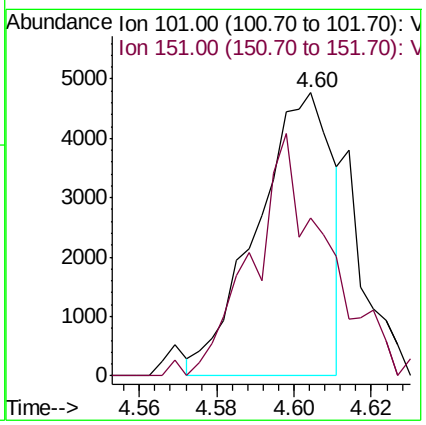


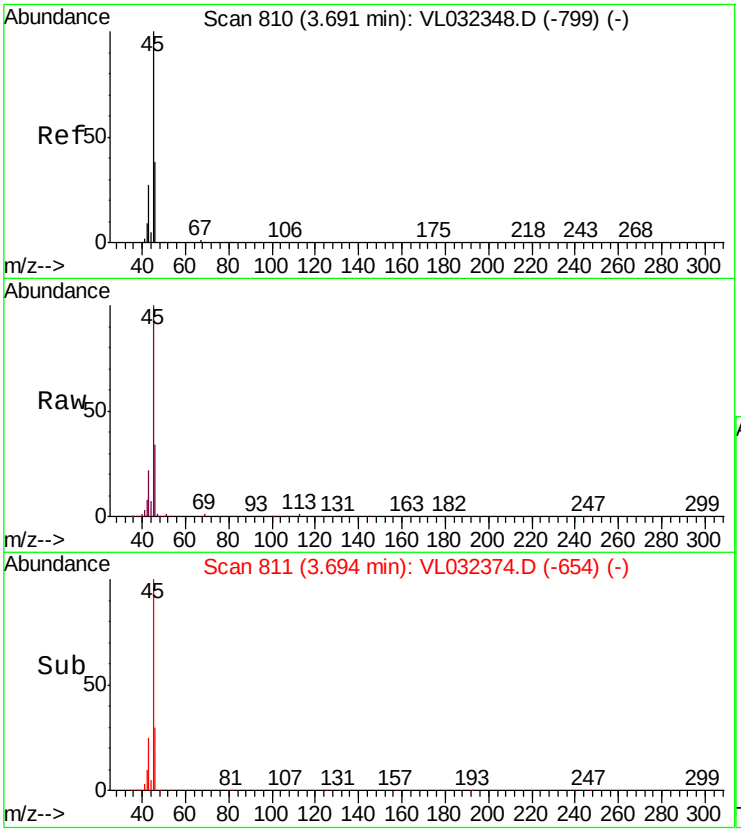




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.055 ppbv
RT: 4.60 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:101 Resp: 6444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 84.5 | 53.1 | 79.7# |



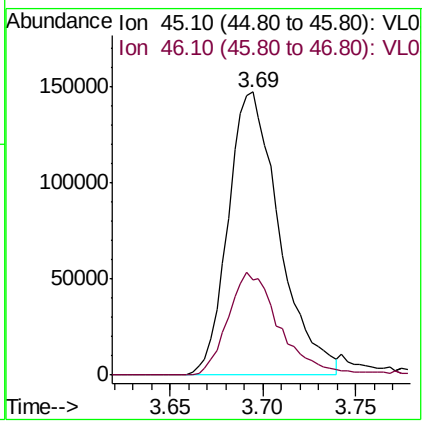


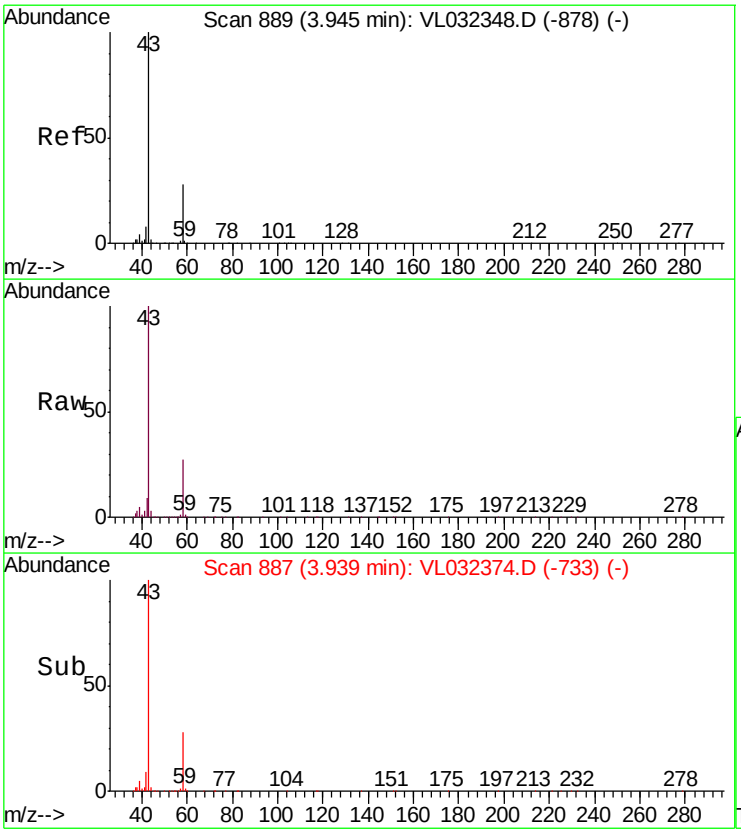

#13
Ethanol
Concen: 17.852 ppbv
RT: 3.69 min Scan# 811
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 45 Resp: 281570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 37.6 | 15.6 | 62.4 |

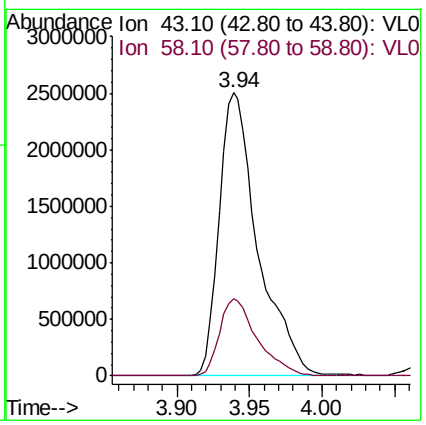


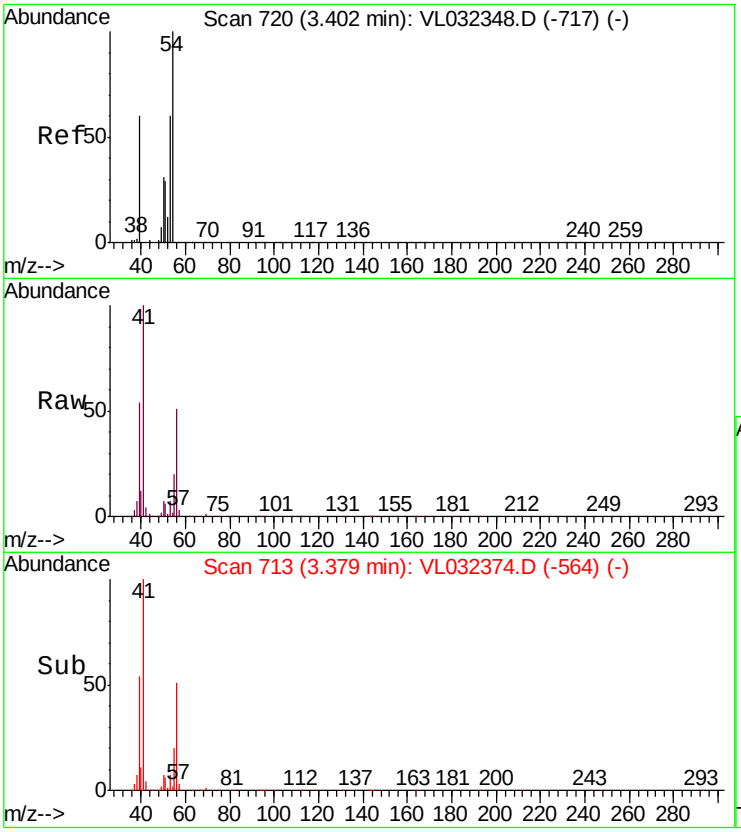




#15
Acetone
Concen: 31.593 ppbv
RT: 3.94 min Scan# 887
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 43 Resp: 4649446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 22.4 | 33.6 |



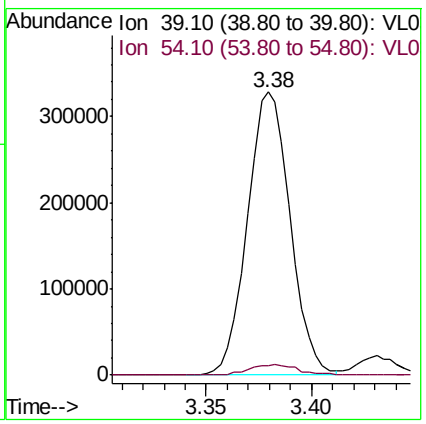


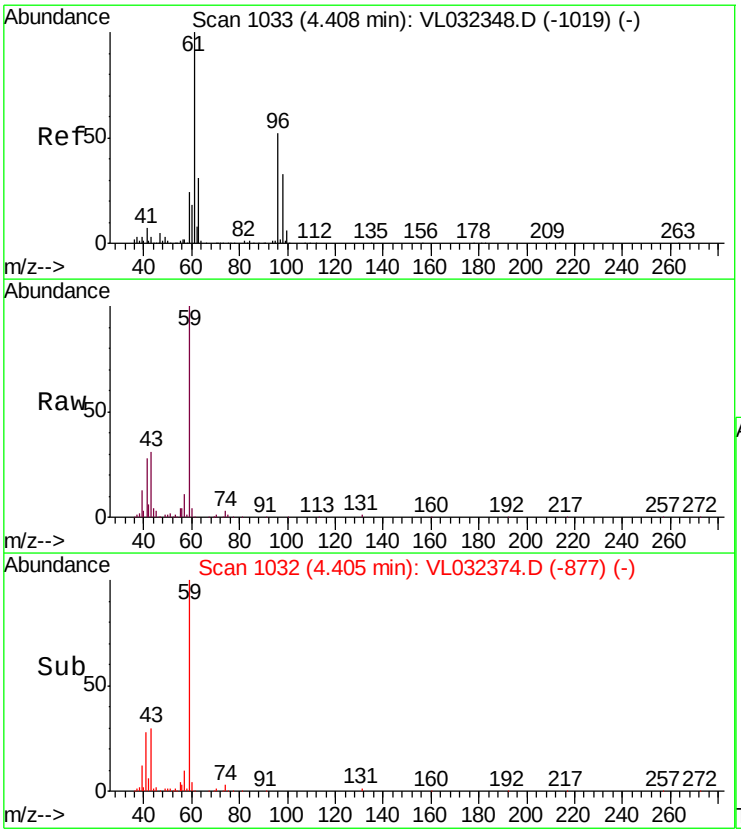

#16
1,3-Butadiene
Concen: 7.602 ppbv
RT: 3.38 min Scan# 713
Delta R.T. -0.02 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 39 Resp: 461901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 4.5 | 85.5 | 128.3# |

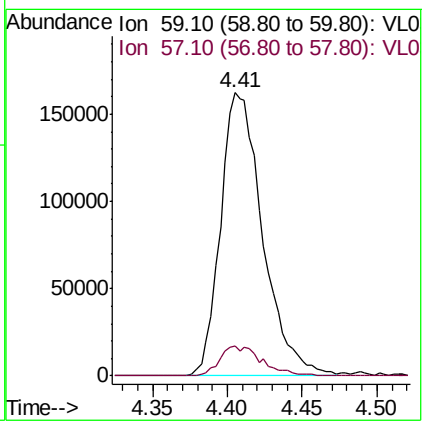


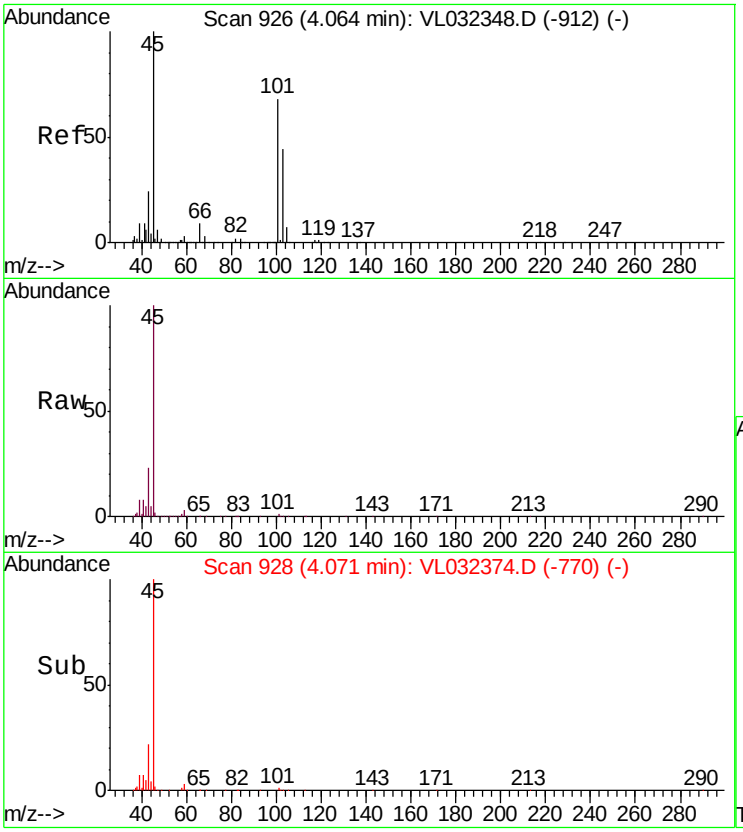




#17
tert-Butyl alcohol
Concen: 12.795 ppbv
RT: 4.41 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 59 Resp: 315955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 7.6 | 11.4 |



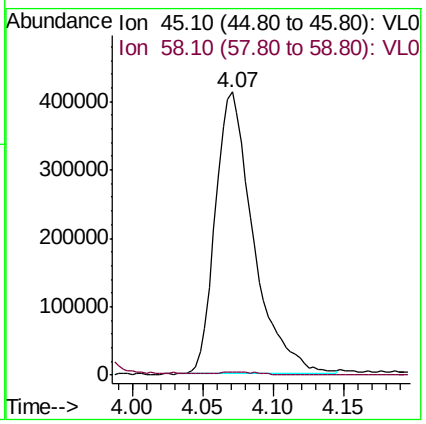


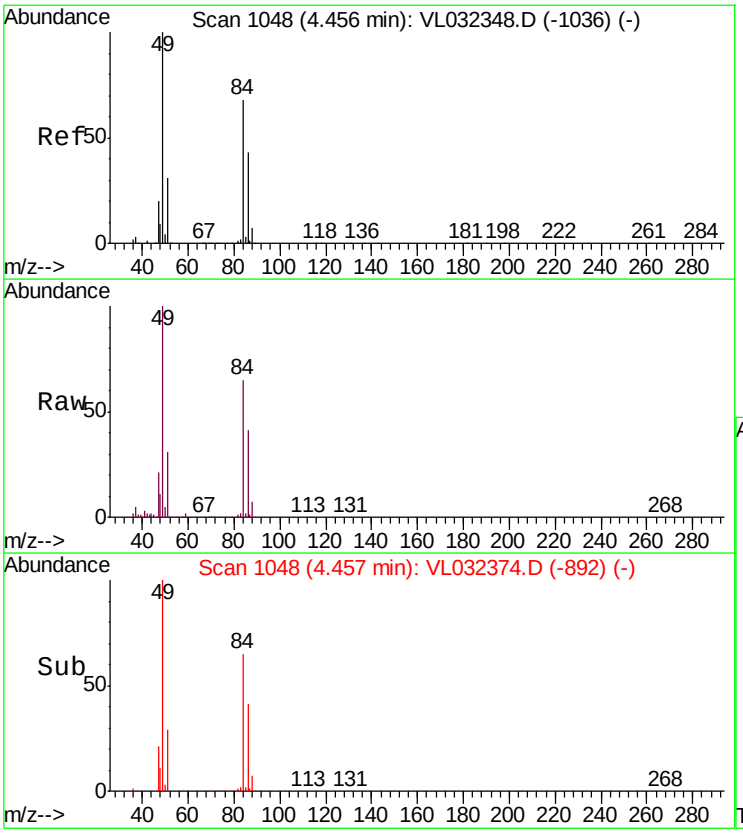

#19
Isopropyl Alcohol
Concen: 7.778 ppbv
RT: 4.07 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 45 Resp: 770760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 1.4 | 2.0# |

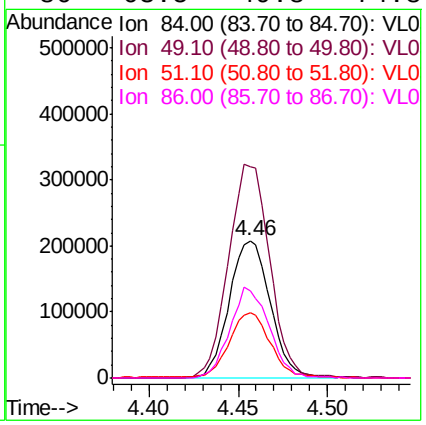


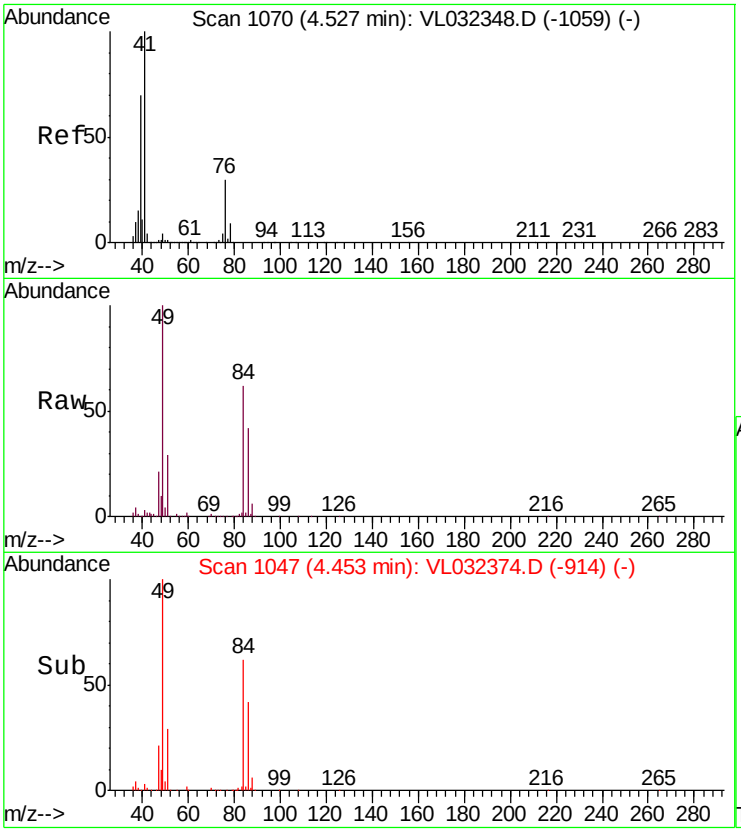




#20
Methylene Chloride
Concen: 5.928 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 84 Resp: 329489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 152.9 | 117.3 | 175.9 |
| 51 | 47.1 | 36.6 | 55.0 |
| 86 | 63.5 | 49.8 | 74.8 |



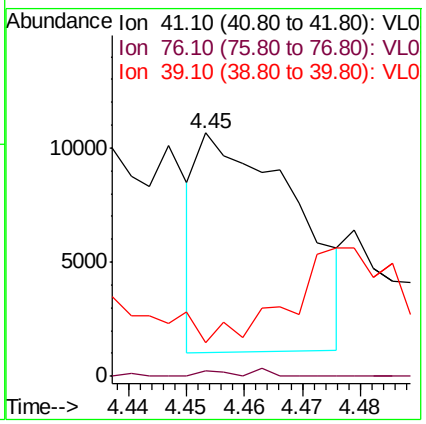


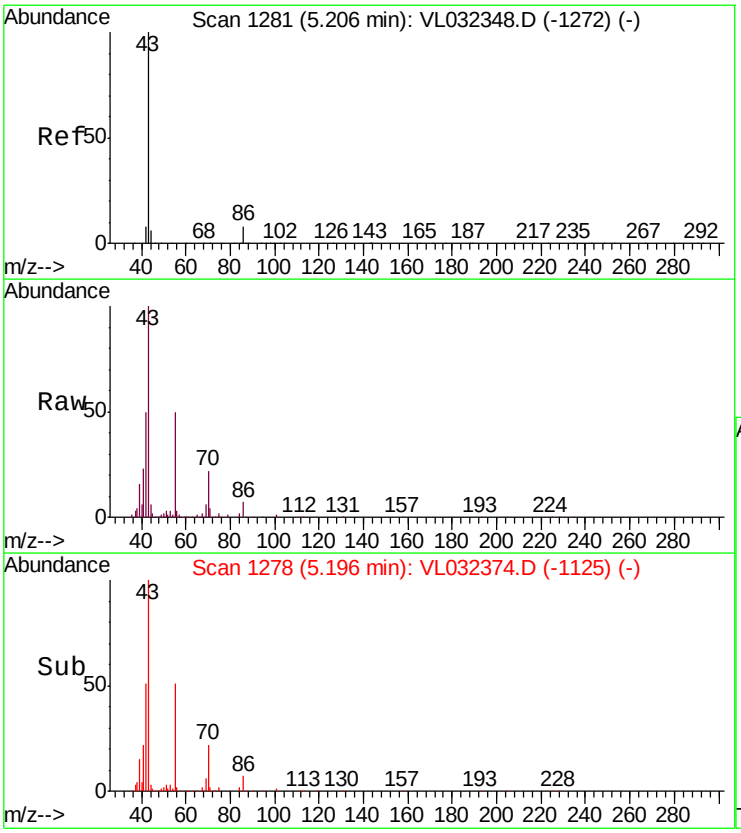

#21
Allyl Chloride
Concen: 0.120 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.07 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 41 Resp: 11172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 0.0 | 22.9 | 34.3# |
| 39 | 90.6 | 57.6 | 86.4# |

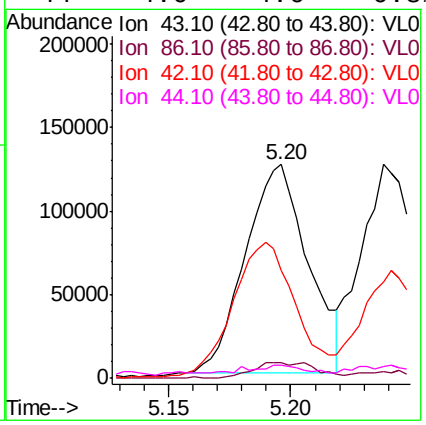


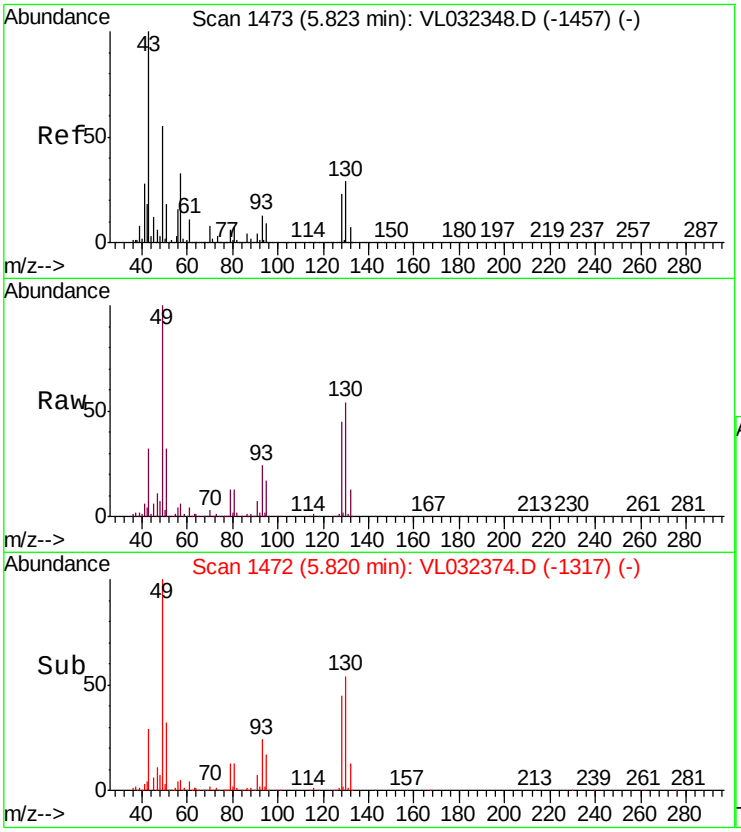




#23
Vinyl Acetate
Concen: 0.876 ppbv
RT: 5.20 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 43 Resp: 222607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.3 | 5.5 | 8.3 |
| 42 | 49.3 | 7.0 | 10.6# |
| 44 | 4.0 | 4.6 | 6.8# |



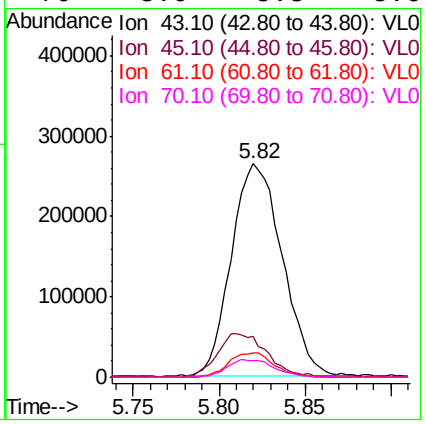


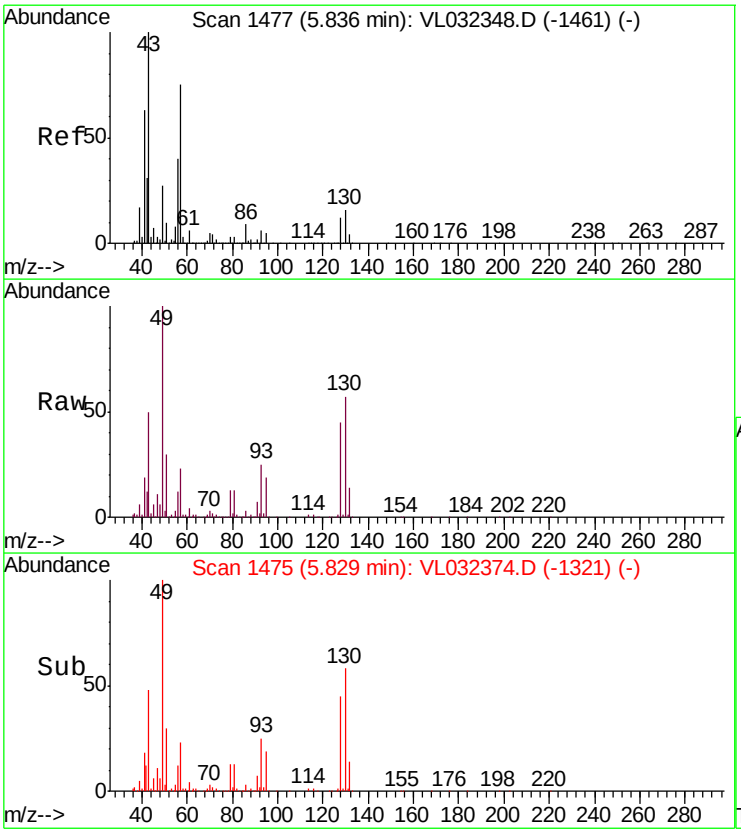

#25
Ethyl Acetate
Concen: 1.709 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 43 Resp: 538878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 20.6 | 7.9 | 11.9# |
| 61 | 10.6 | 7.4 | 11.2 |
| 70 | 8.0 | 5.8 | 8.6 |

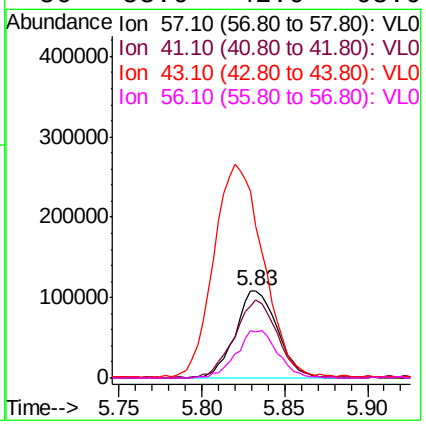


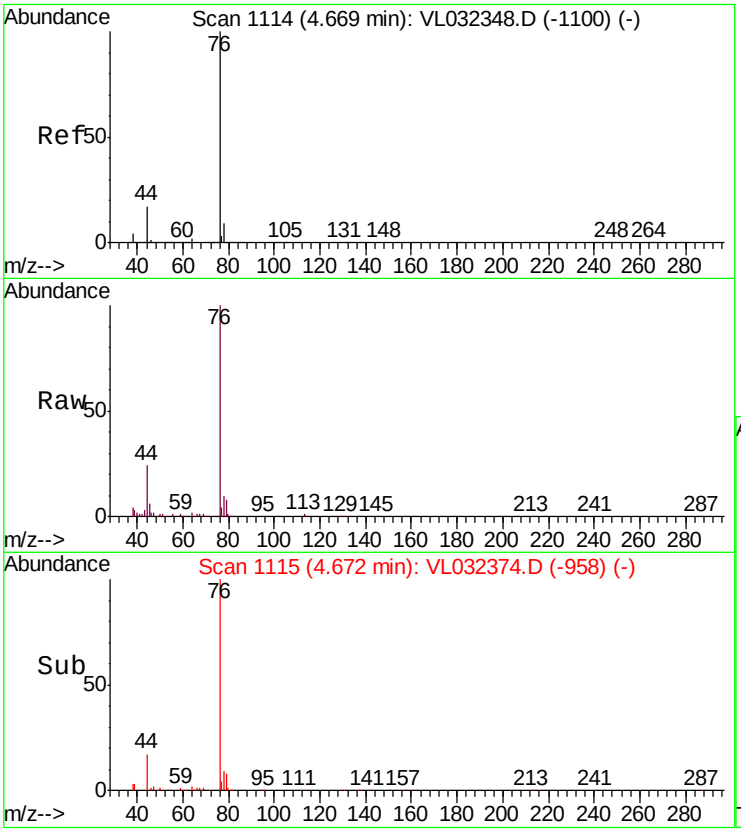




#26
Hexane
Concen: 1.361 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 57 Resp: 191323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 91.2 | 68.0 | 102.0 |
| 43 | 287.3 | 175.3 | 262.9# |
| 56 | 53.6 | 42.0 | 63.0 |



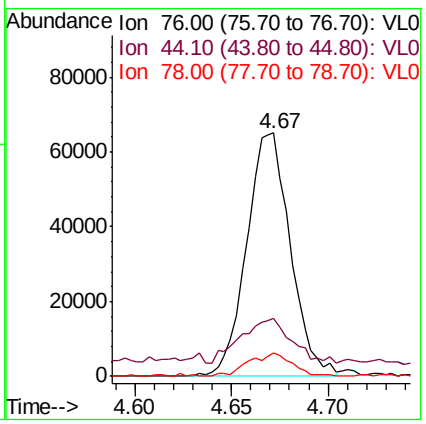


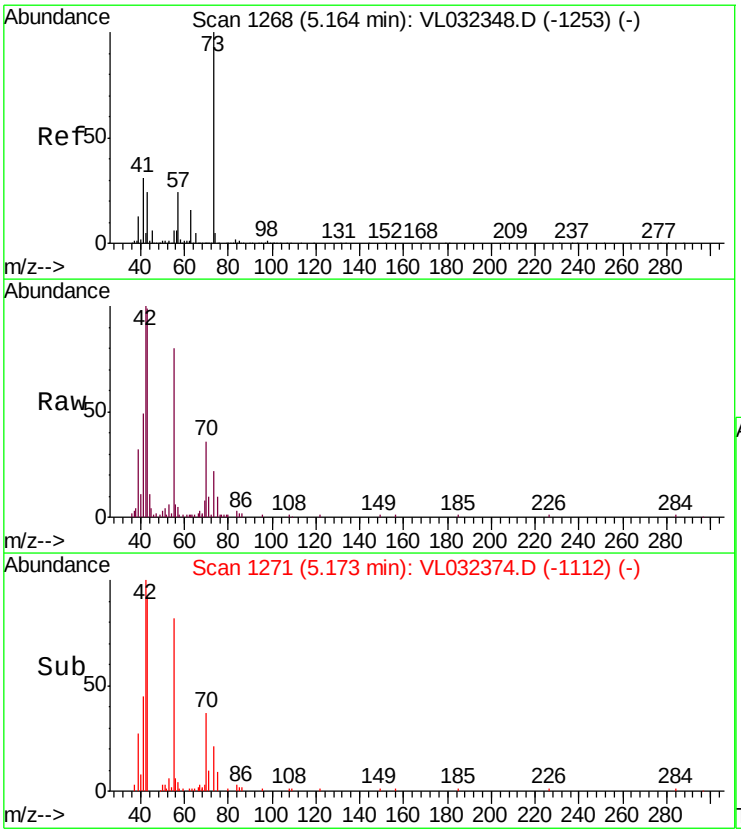

#27
Carbon Disulfide
Concen: 0.781 ppbv
RT: 4.67 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :** MSVOA_L
**ClientSampleId :** SG10-MIVI

Tgt Ion: 76 Resp: 102463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 27.3 | 14.4 | 21.6# |
| 78 | 10.3 | 7.4 | 11.0 |

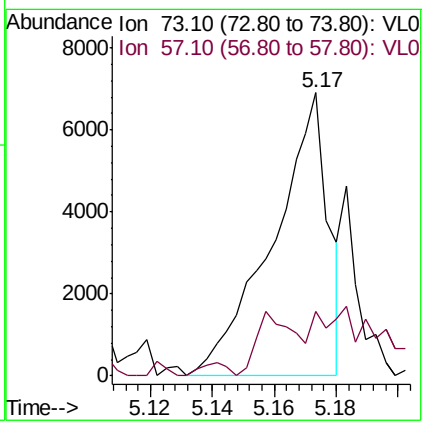


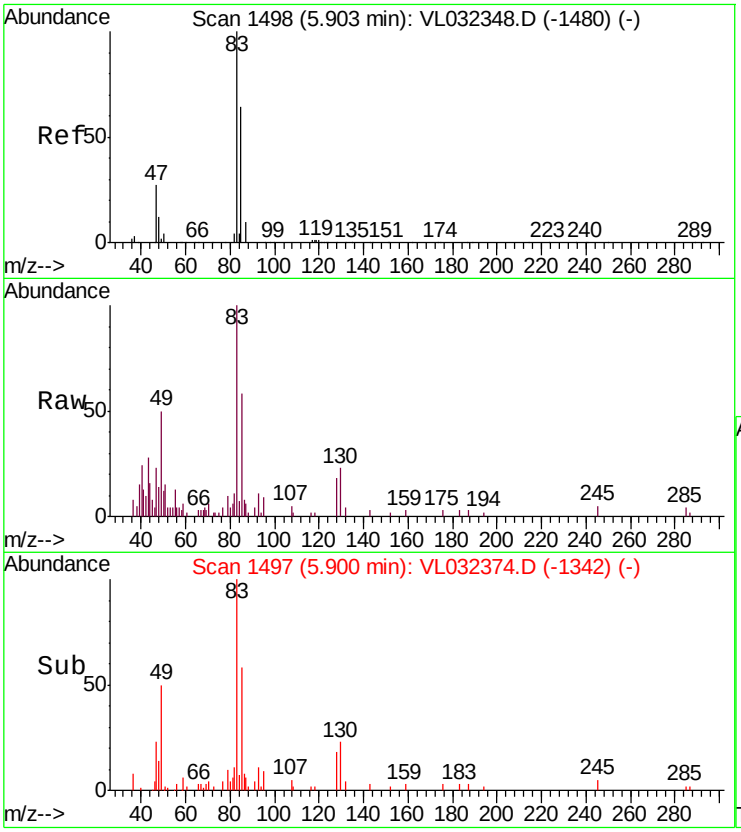




#28
Methyl tert-Butyl Ether
Concen: 0.046 ppbv
RT: 5.17 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 73 Resp: 8538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 0.0 | 19.3 | 28.9# |



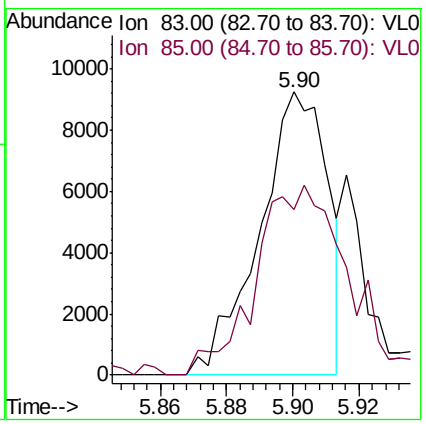


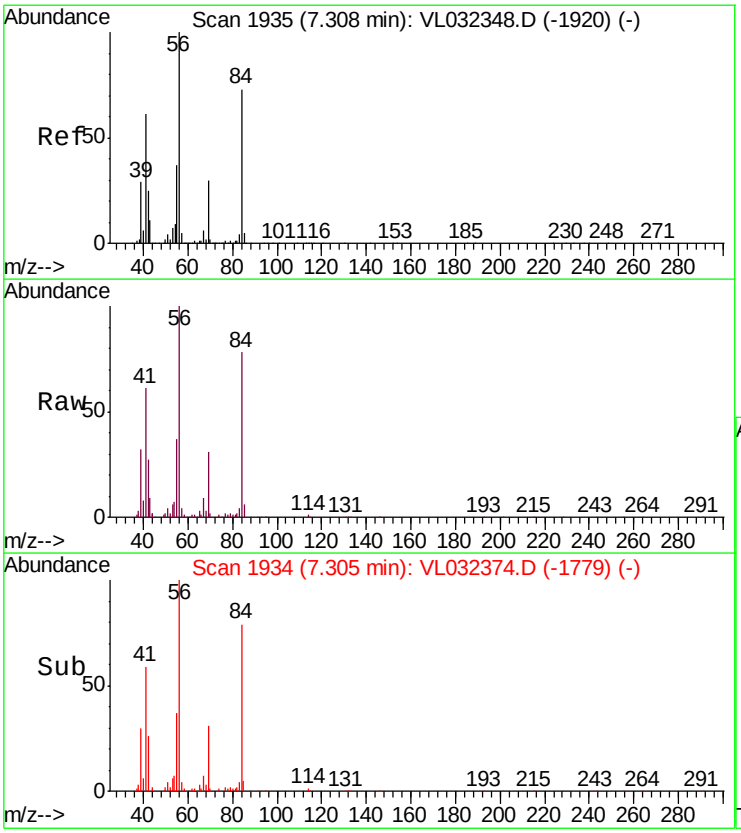

#29
Chloroform
Concen: 0.064 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 83 Resp: 13236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.4 | 51.6 | 77.4 |

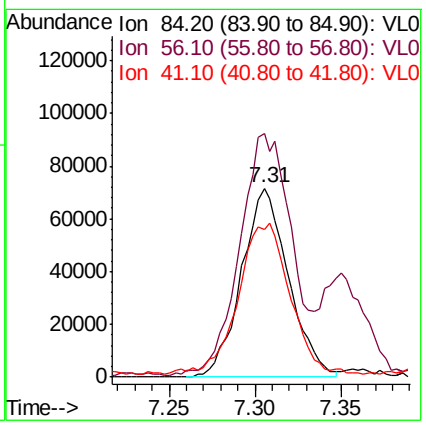


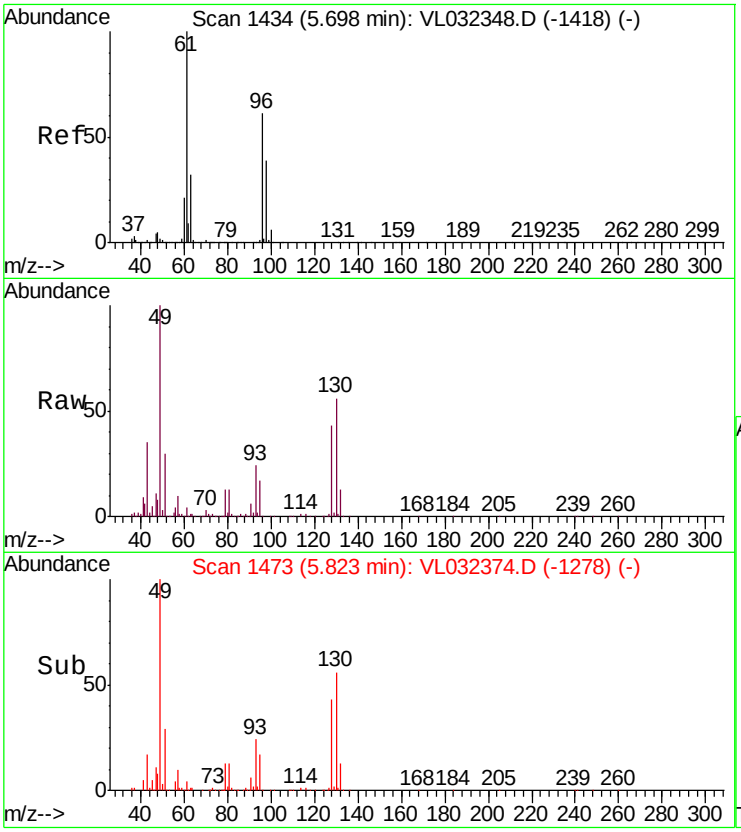




#30
Cyclohexane
Concen: 1.264 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 84 Resp: 135406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 146.1 | 115.7 | 173.5 |
| 41 | 87.6 | 67.9 | 101.9 |



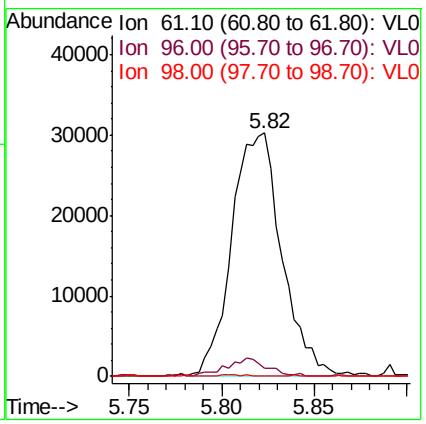


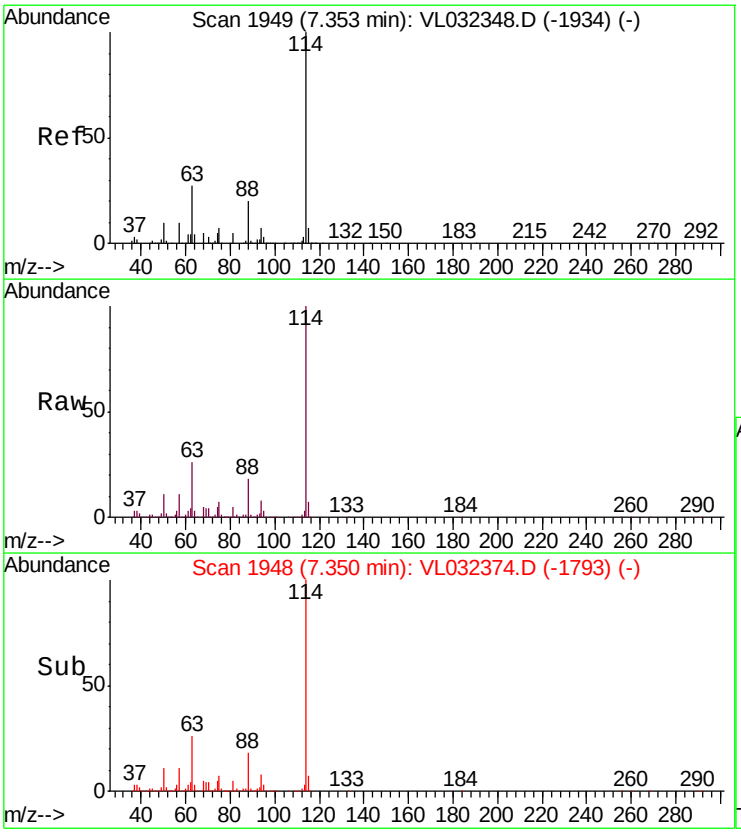

#31
cis-1,2-Dichloroethene
Concen: 0.412 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.13 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 61 Resp: 56617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 3.2 | 48.5 | 72.7# |
| 98 | 0.0 | 31.0 | 46.4# |

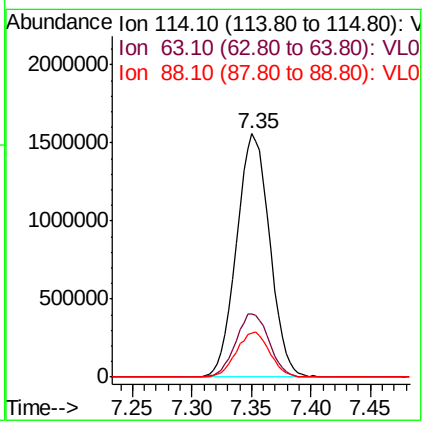


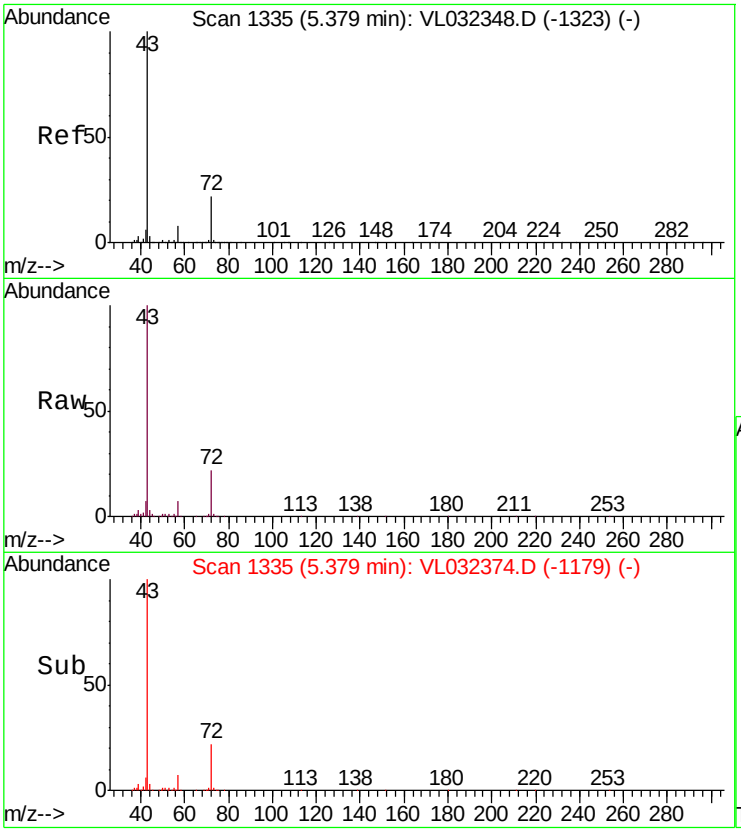




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:114 Resp: 3011278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.4 | 22.0 | 33.0 |
| 88 | 18.7 | 15.3 | 22.9 |



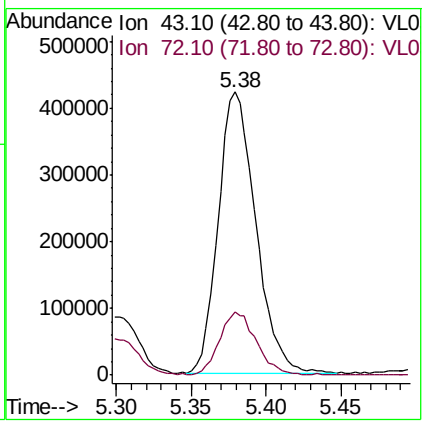


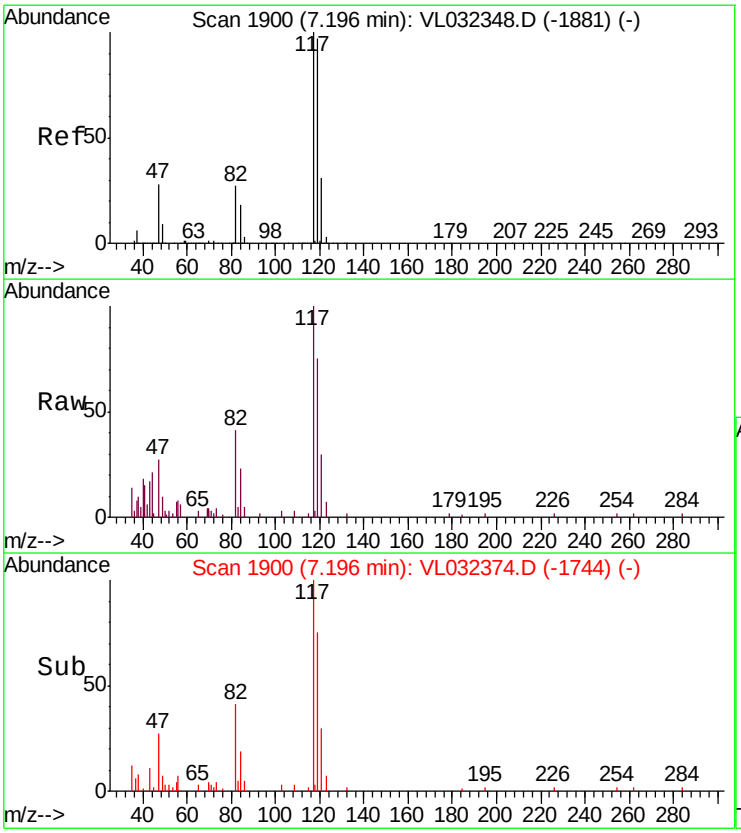

#34
2-Butanone
Concen: 3.570 ppbv
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 43 Resp: 731667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.9 | 17.9 | 26.9 |

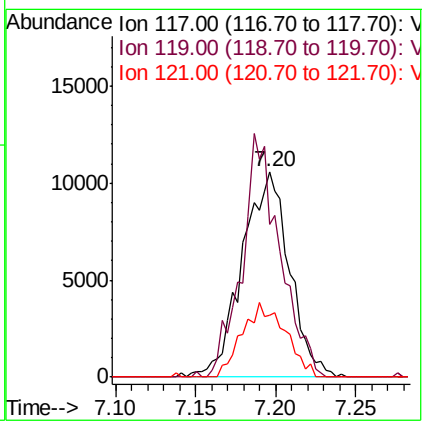


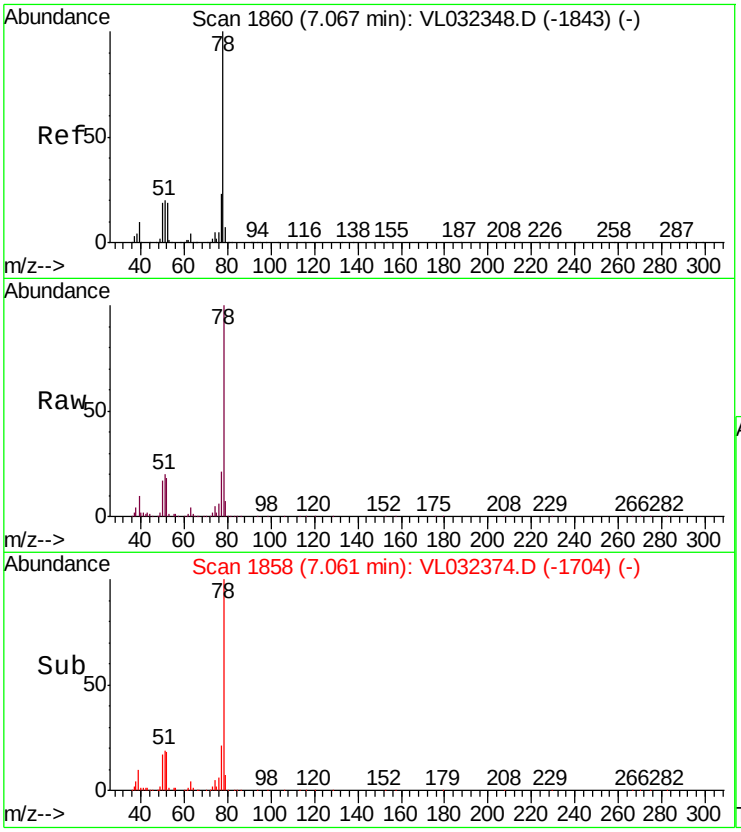




#35
Carbon Tetrachloride
Concen: 0.121 ppbv
RT: 7.20 min Scan# 1900
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:117 Resp: 21423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 74.7 | 77.2 | 115.8# |
| 121 | 29.9 | 25.1 | 37.7 |



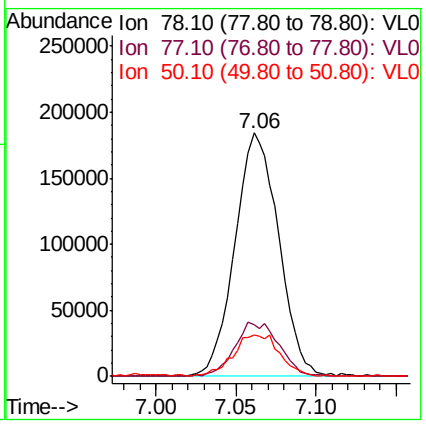


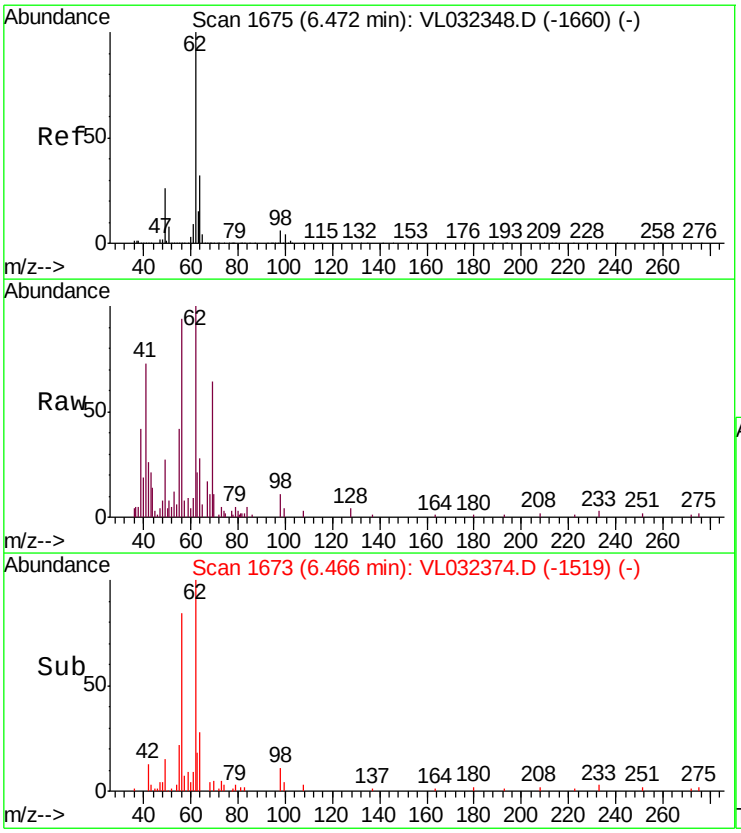

#36
Benzene
Concen: 1.341 ppbv
RT: 7.06 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 78 Resp: 342260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.2 | 18.0 | 27.0 |
| 50 | 17.0 | 15.1 | 22.7 |

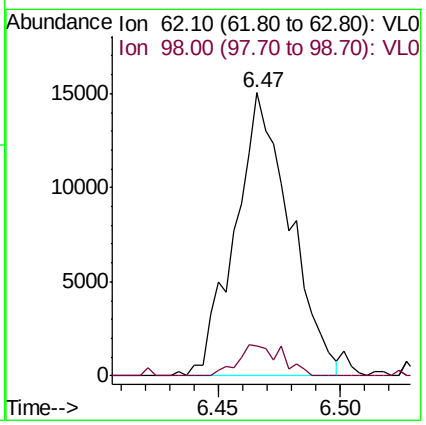


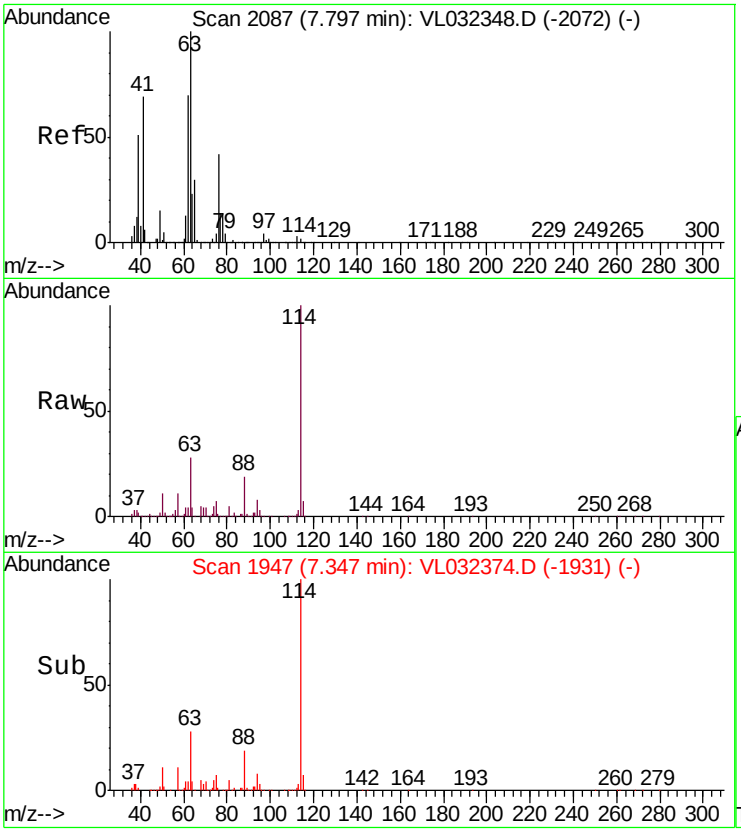




#37
1,2-Dichloroethane
Concen: 0.151 ppbv
RT: 6.47 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 62 Resp: 23393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 5.0 | 7.6# |



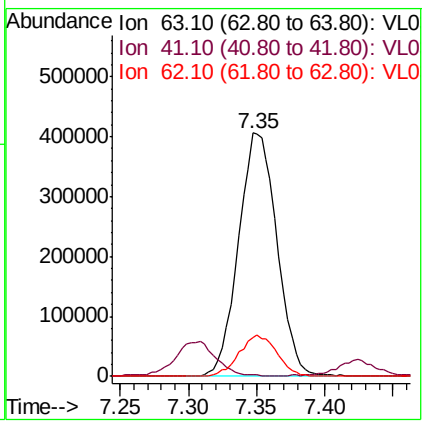


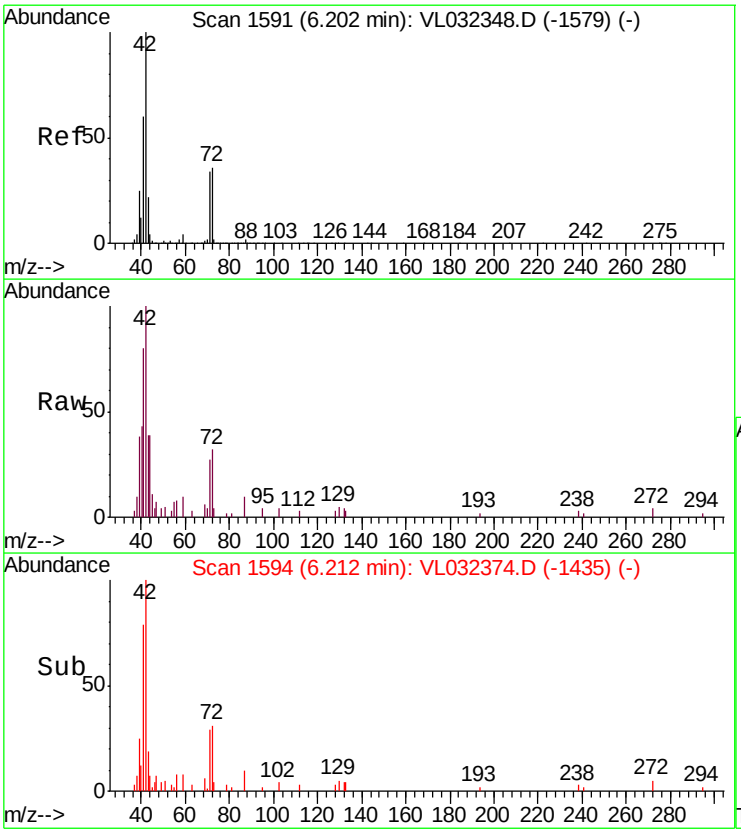

#39
1,2-Dichloropropane
Concen: 7.419 ppbv
RT: 7.35 min Scan# 1947
Delta R.T. -0.45 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 63 Resp: 791131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 55.5 | 83.3# |
| 62 | 16.2 | 56.3 | 84.5# |

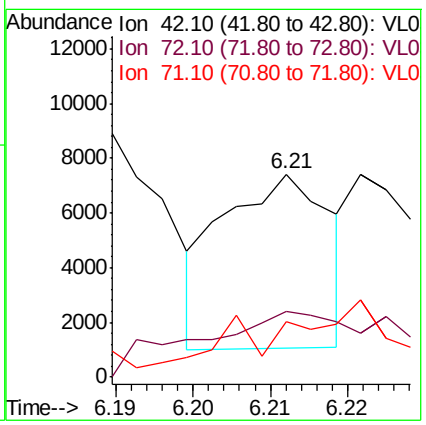


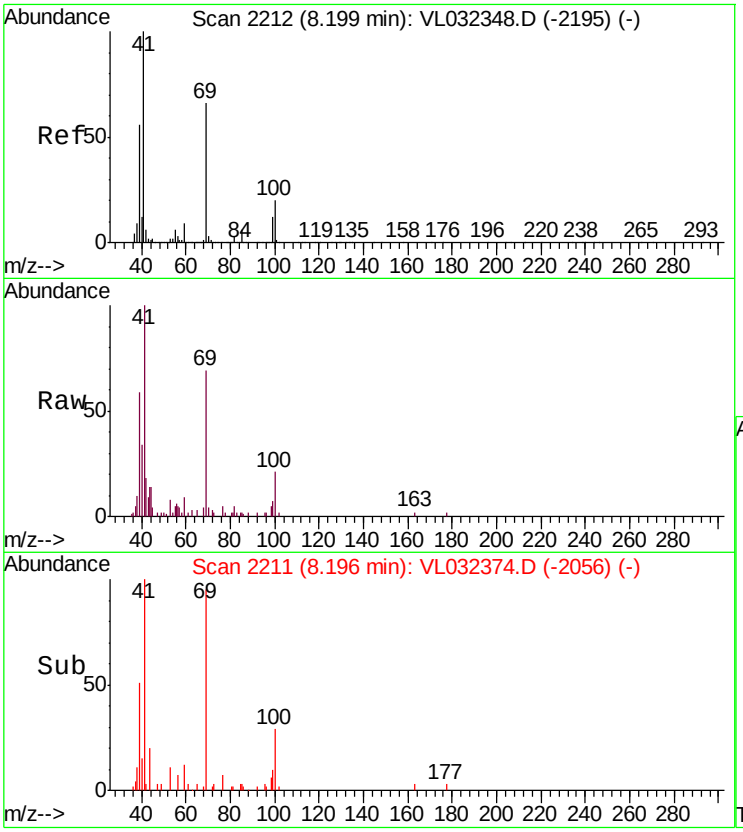




#41
Tetrahydrofuran
Concen: 0.056 ppbv
RT: 6.21 min Scan# 1594
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 42 Resp: 6160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 80.6 | 29.8 | 44.6# |
| 71 | 0.0 | 28.2 | 42.2# |



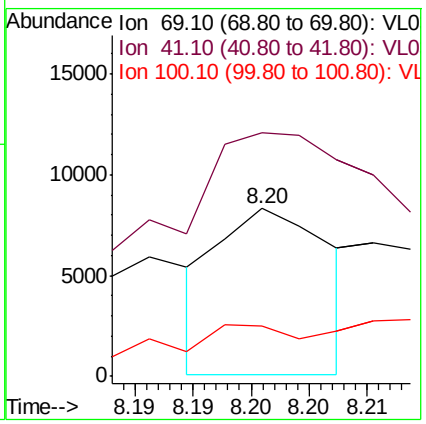


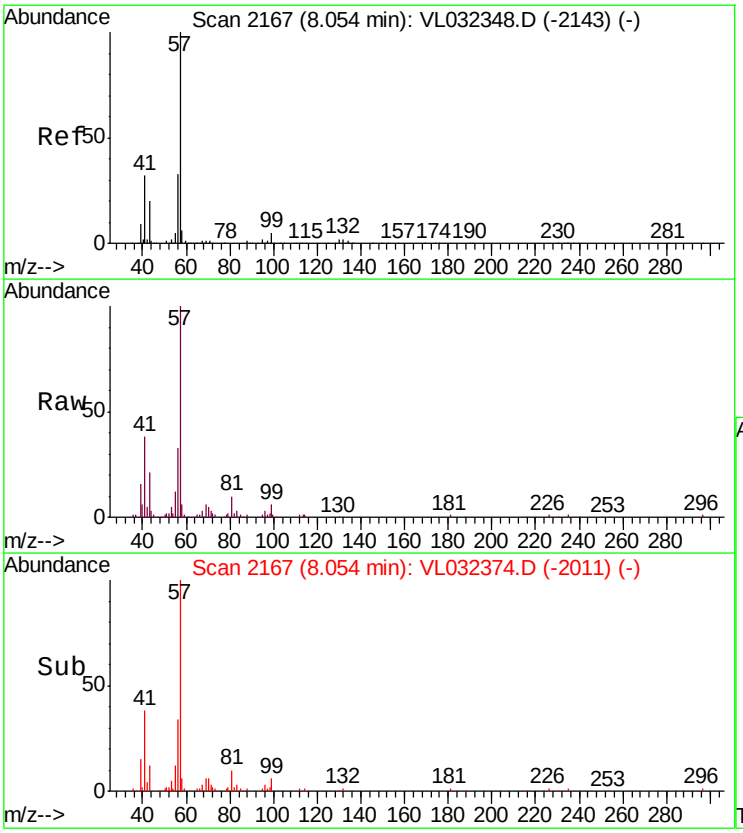

#43
Methyl Methacrylate
Concen: 0.054 ppbv
RT: 8.20 min Scan# 2211
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :** MSVOA_L
**ClientSampleId :** SG10-MIVI

Tgt Ion: 69 Resp: 5534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 552.3 | 118.6 | 177.8# |
| 100 | 0.0 | 23.4 | 35.2# |

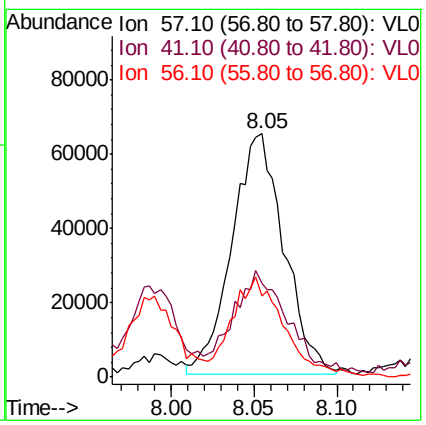


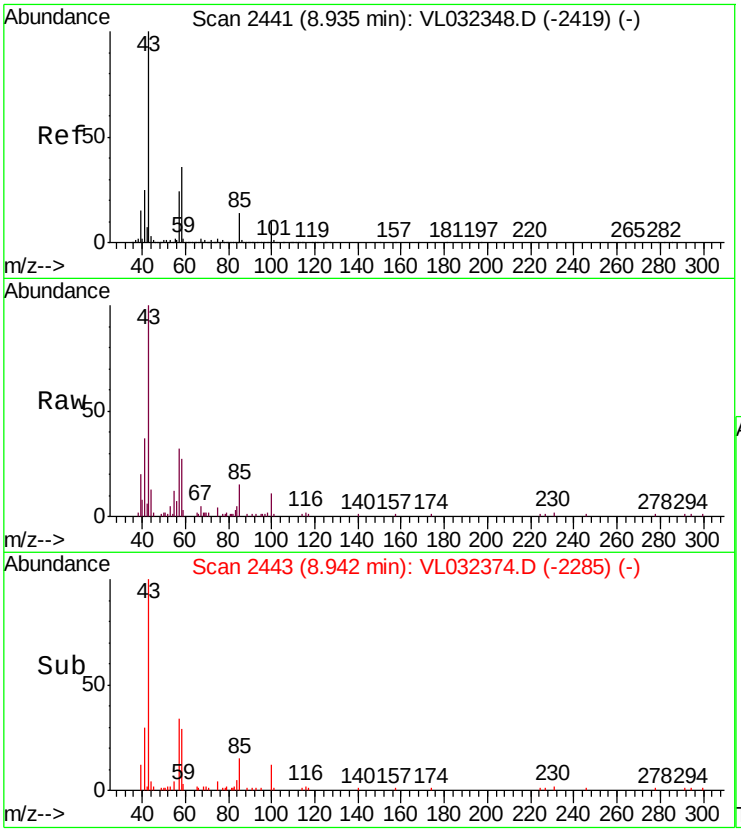




#44
2,2,4-Trimethylpentane
Concen: 0.309 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 57 Resp: 142329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 43.9 | 24.3 | 36.5# |
| 56 | 40.1 | 25.7 | 38.5# |



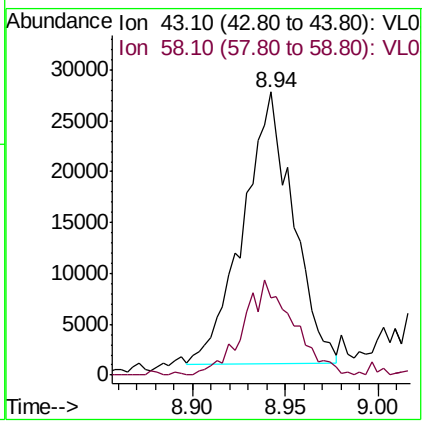


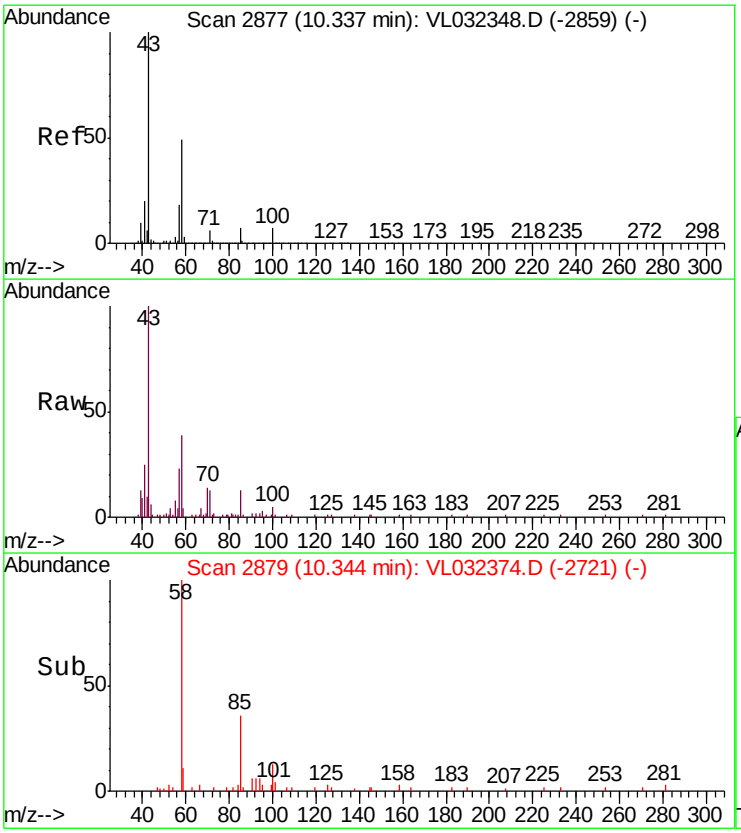

#50
4-Methyl-2-Pentanone
Concen: 0.170 ppbv
RT: 8.94 min Scan# 2443
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 43 Resp: 50263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 28.9 | 43.3 |

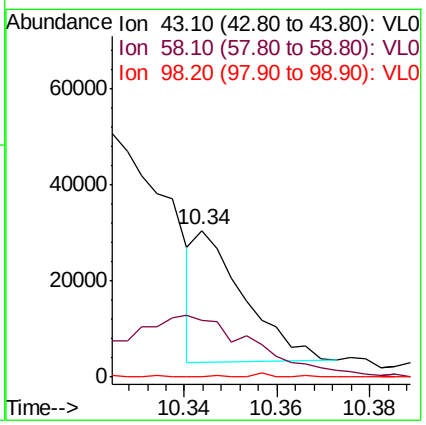


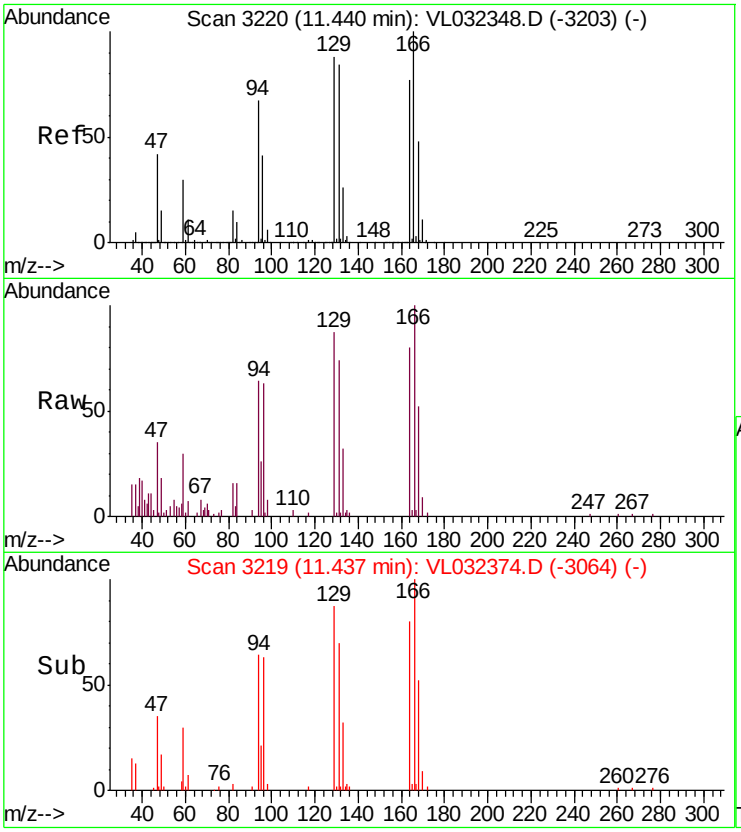




#51
2-Hexanone
Concen: 0.097 ppbv
RT: 10.34 min Scan# 2879
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 43 Resp: 20099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 140.0 | 39.5 | 59.3# |
| 98 | 0.0 | 0.3 | 0.5# |



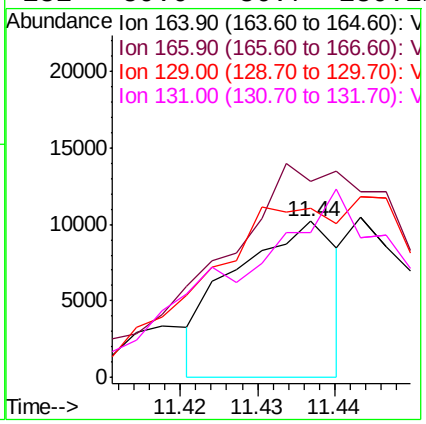


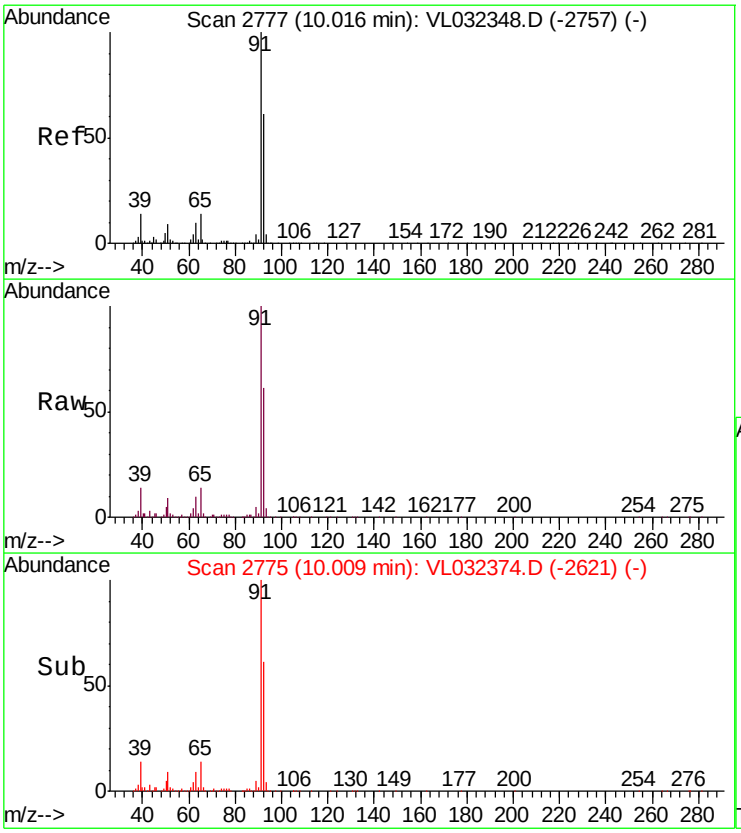

#52
Tetrachloroethene
Concen: 0.125 ppbv
RT: 11.44 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:164 Resp: 9426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 105.3 | 103.5 | 155.3 |
| 129 | 82.7 | 90.9 | 136.3# |
| 131 | 59.0 | 86.7 | 130.1# |

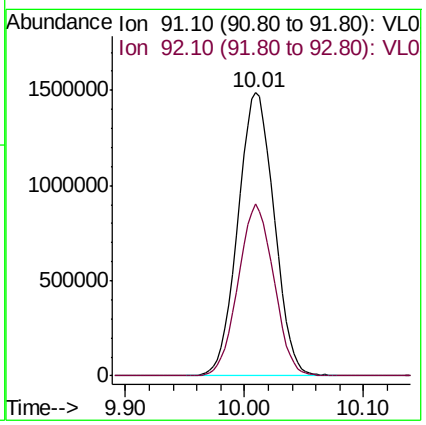


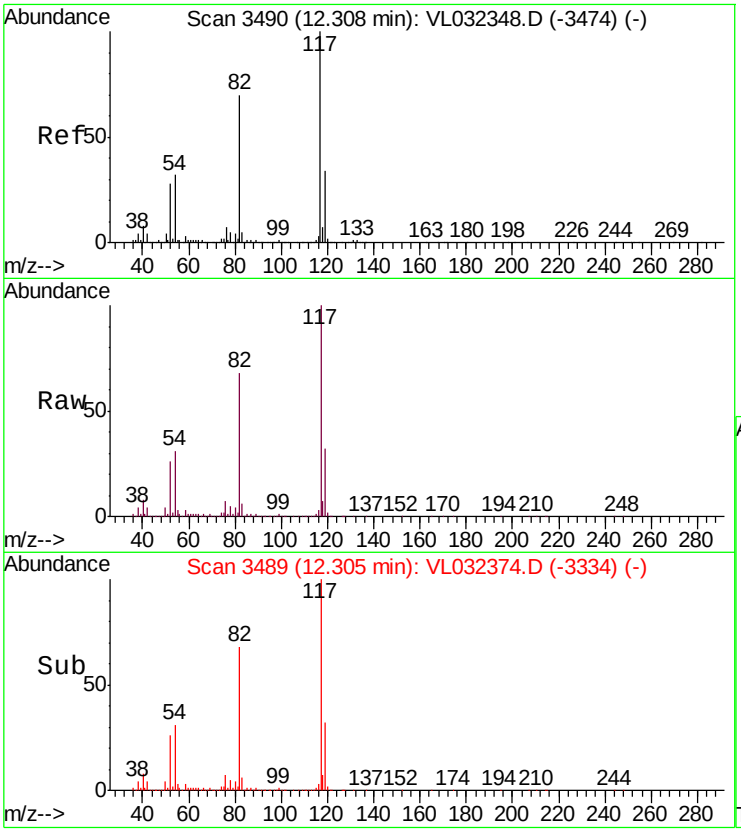




#53
Toluene
Concen: 11.208 ppbv
RT: 10.01 min Scan# 2775
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 91 Resp: 3136553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.9 | 48.7 | 73.1 |



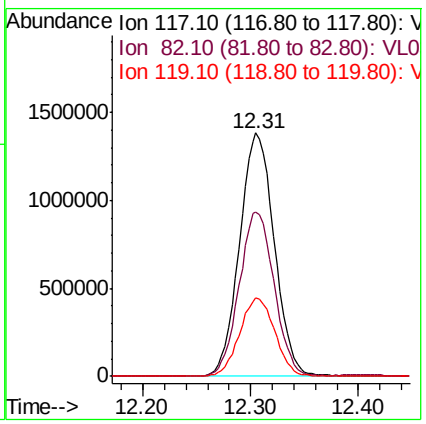


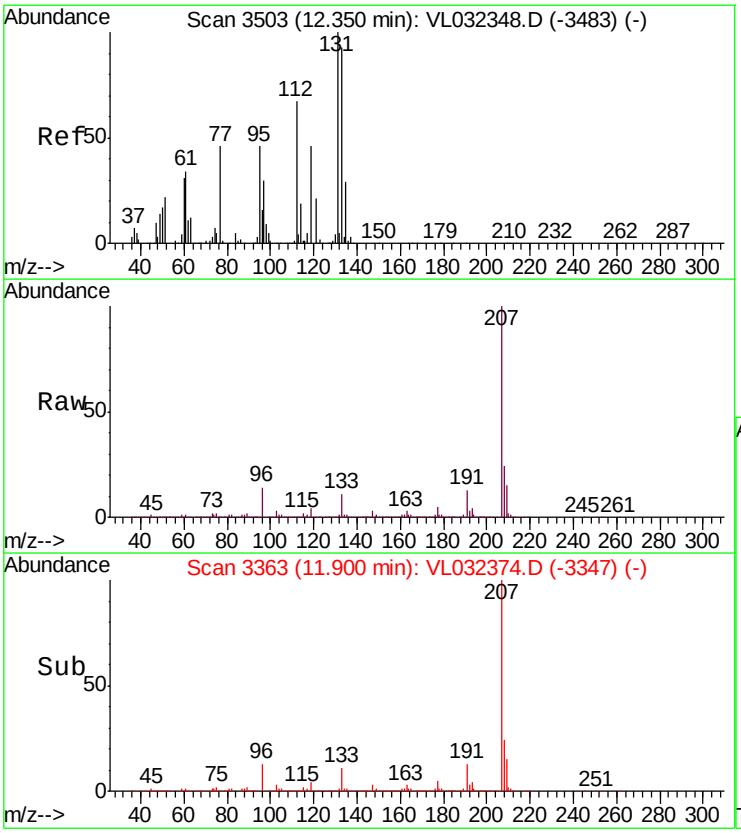

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:117 Resp: 3100539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 68.3 | 55.1 | 82.7 |
| 119 | 32.6 | 46.0 | 69.0# |

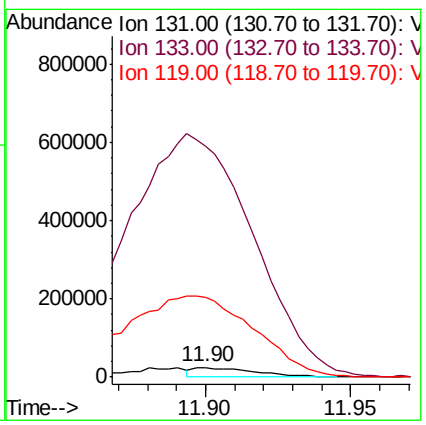


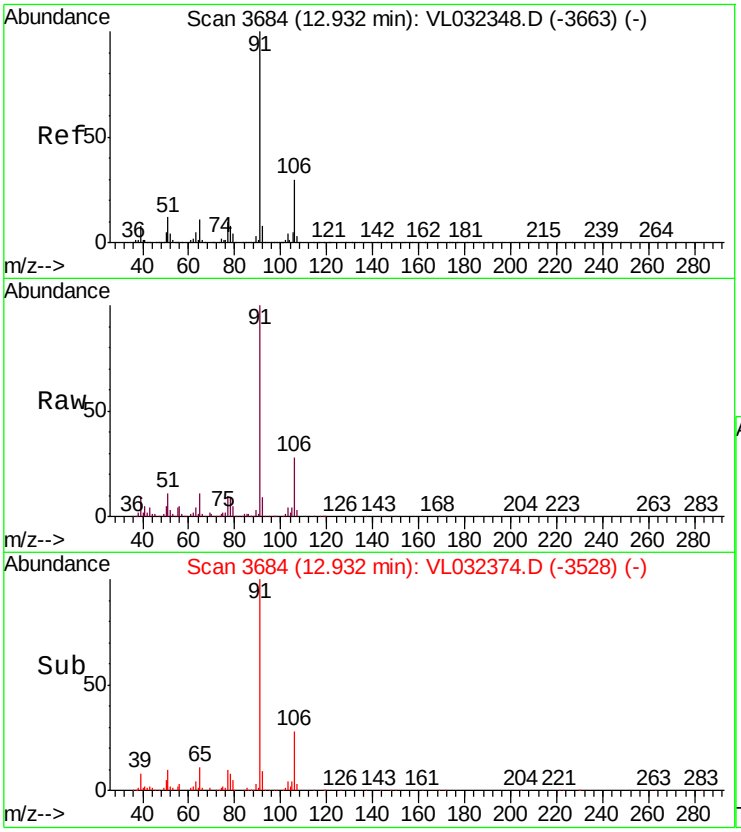




#56
1,1,1,2-Tetrachloroethane
Concen: 0.269 ppbv
RT: 11.90 min Scan# 3363
Delta R.T. -0.45 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:131 Resp: 34536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 0.0 | 75.7 | 113.5# |
| 119 | 0.0 | 116.0 | 174.0# |



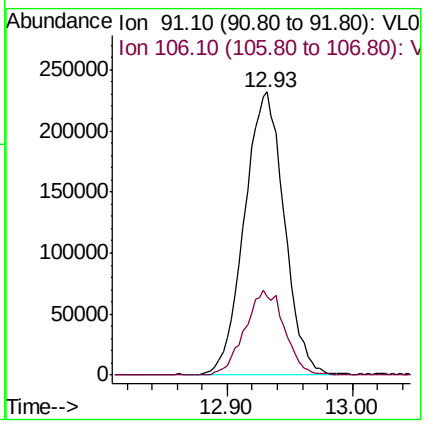


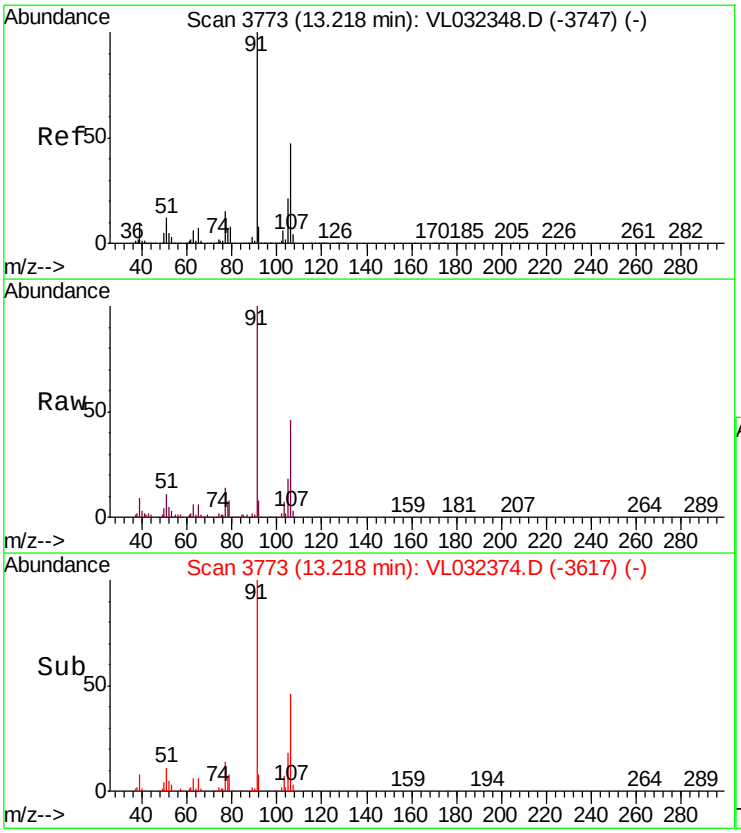

#58
Ethyl Benzene
Concen: 1.375 ppbv
RT: 12.93 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 91 Resp: 512894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.8 | 24.3 | 36.5 |

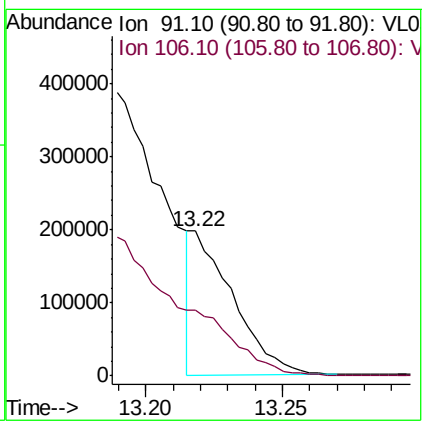


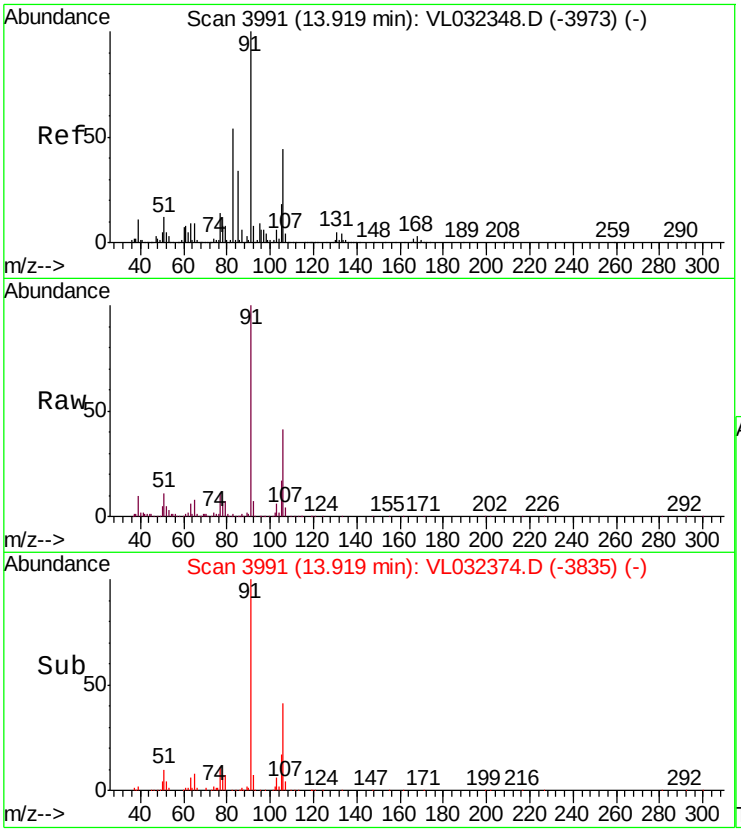




#59
m/p-Xylene
Concen: 0.649 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 91 Resp: 205595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 37.0 | 55.4# |



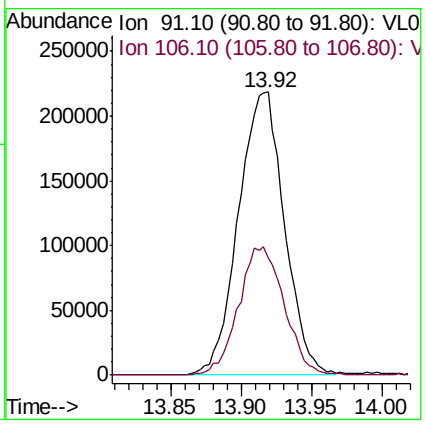


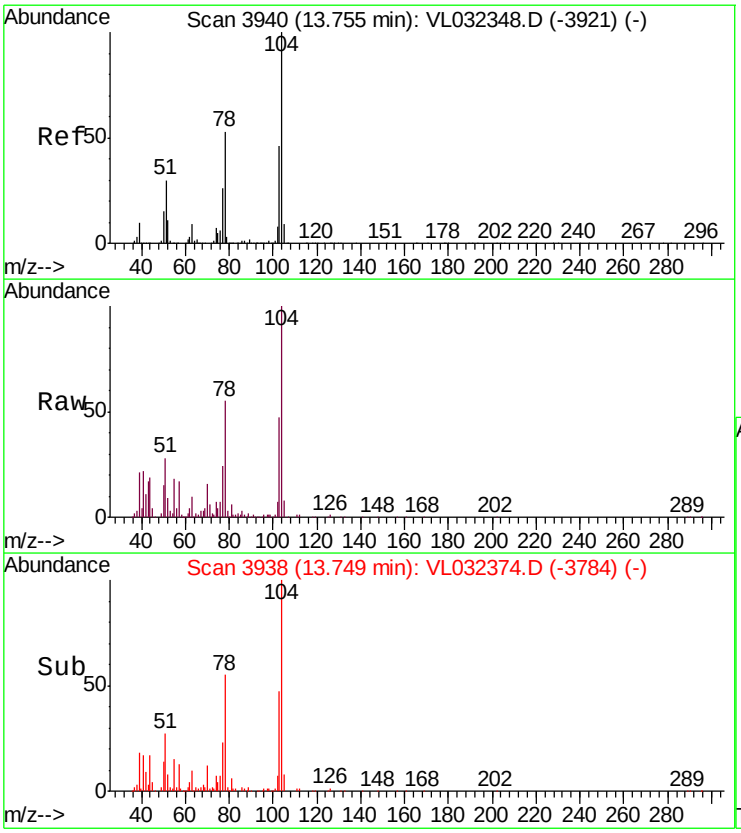

#60
o-Xylene
Concen: 1.588 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 91 Resp: 494556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 45.4 | 22.3 | 66.8 |

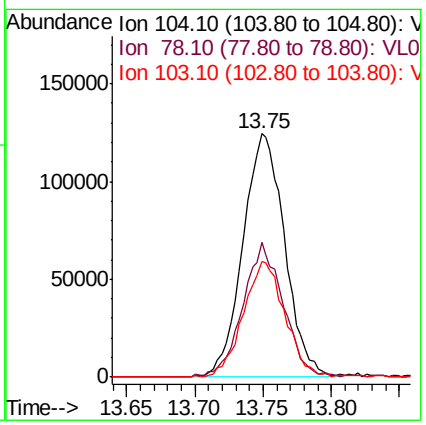


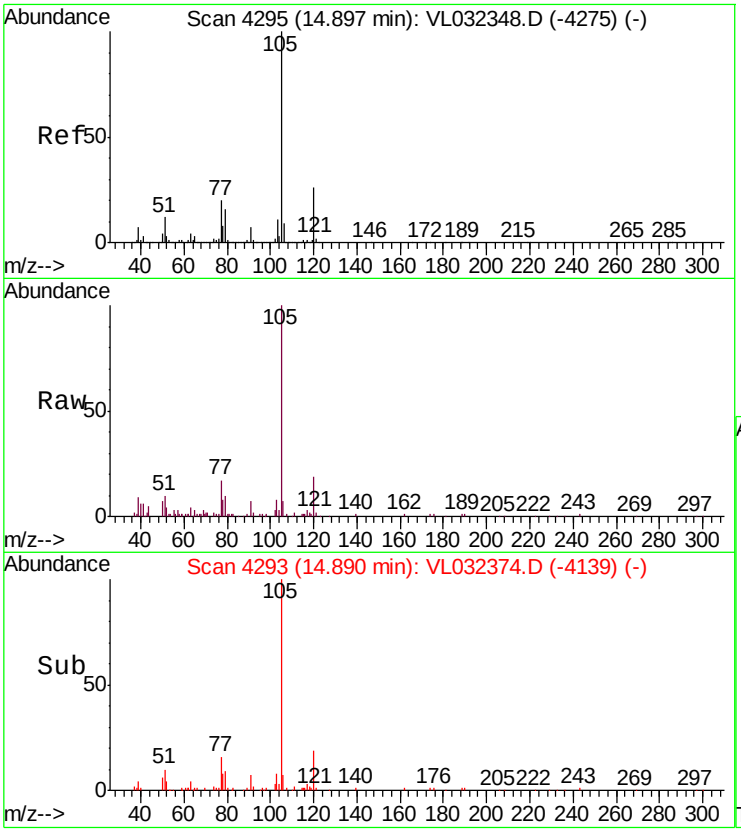




#61
Styrene
Concen: 1.214 ppbv
RT: 13.75 min Scan# 3938
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:104 Resp: 264325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.0 | 42.6 | 64.0 |
| 103 | 47.9 | 38.0 | 57.0 |



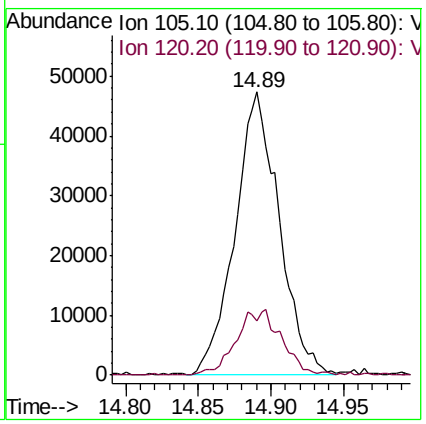


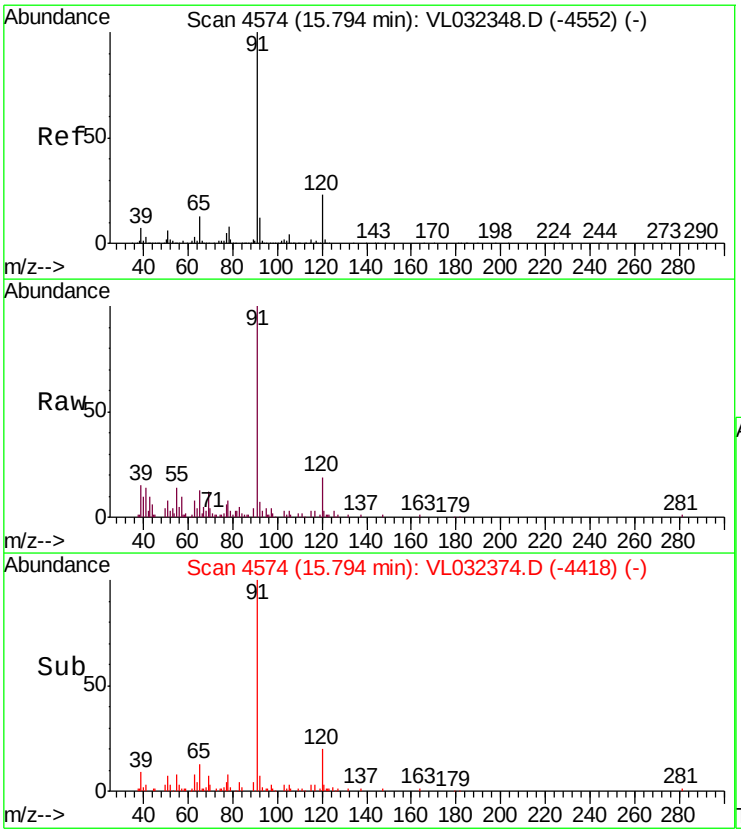

#62
Isopropylbenzene
Concen: 0.224 ppbv
RT: 14.89 min Scan# 4293
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:105 Resp: 99114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.3 | 20.6 | 30.8 |

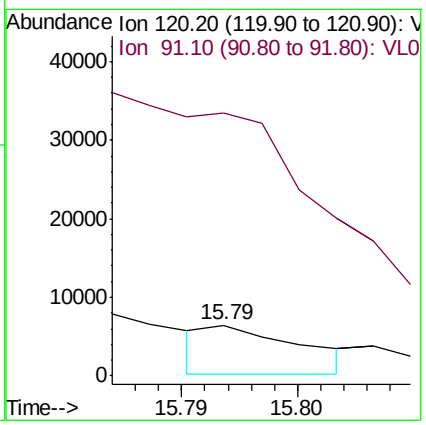


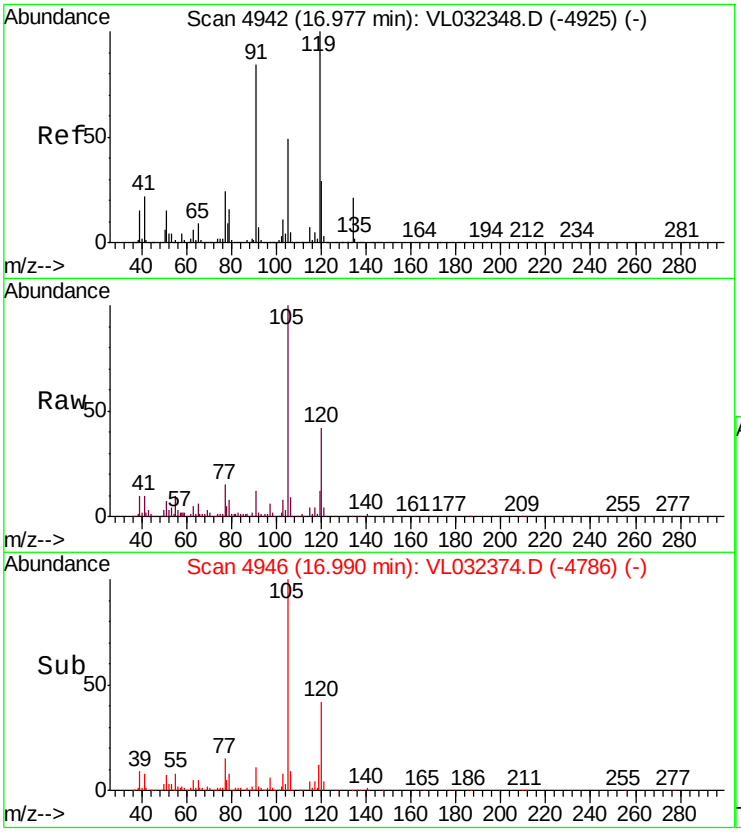




#64
n-propylbenzene
Concen: 0.030 ppbv
RT: 15.79 min Scan# 4574
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:120 Resp: 3455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 0.0 | 382.2 | 573.2# |



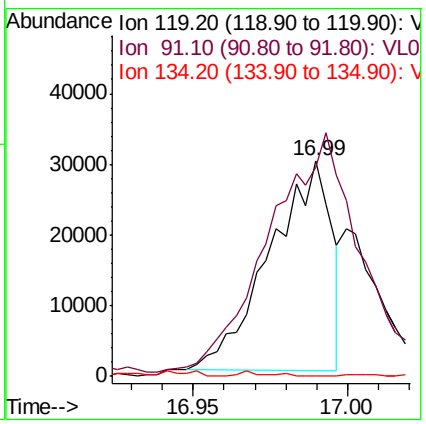


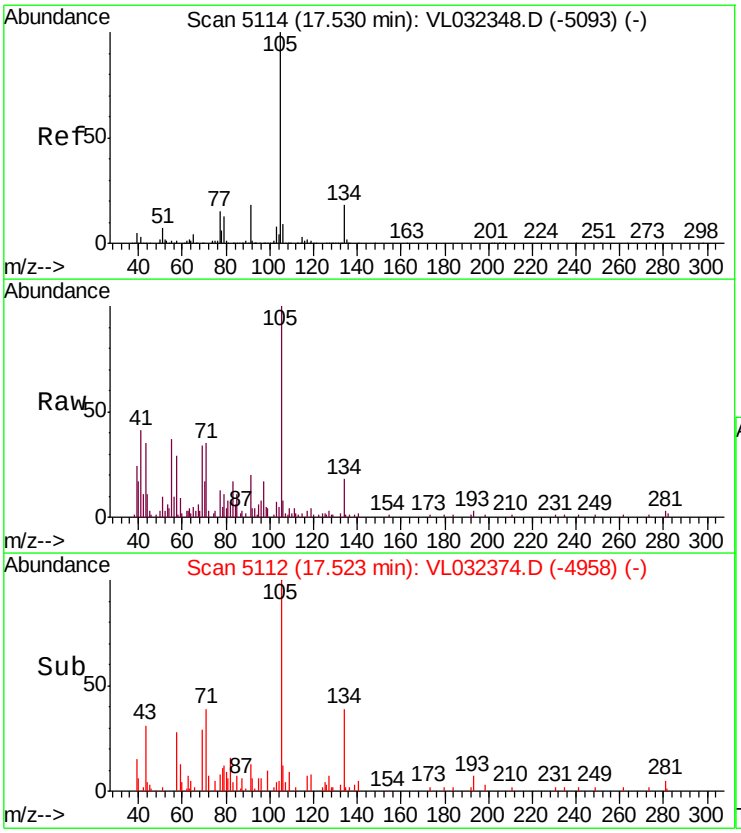

#65
tert-Butylbenzene
Concen: 0.108 ppbv
RT: 16.99 min Scan# 4946
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:119 Resp: 41063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 172.2 | 67.4 | 101.0# |
| 134 | 0.0 | 15.8 | 23.6# |

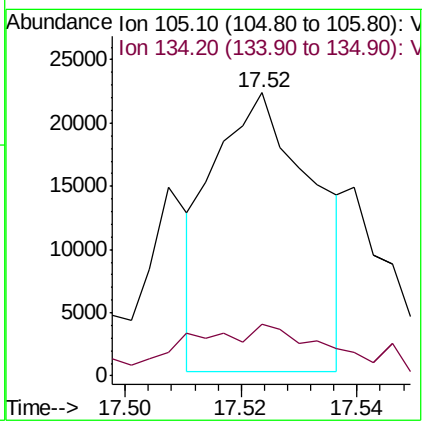


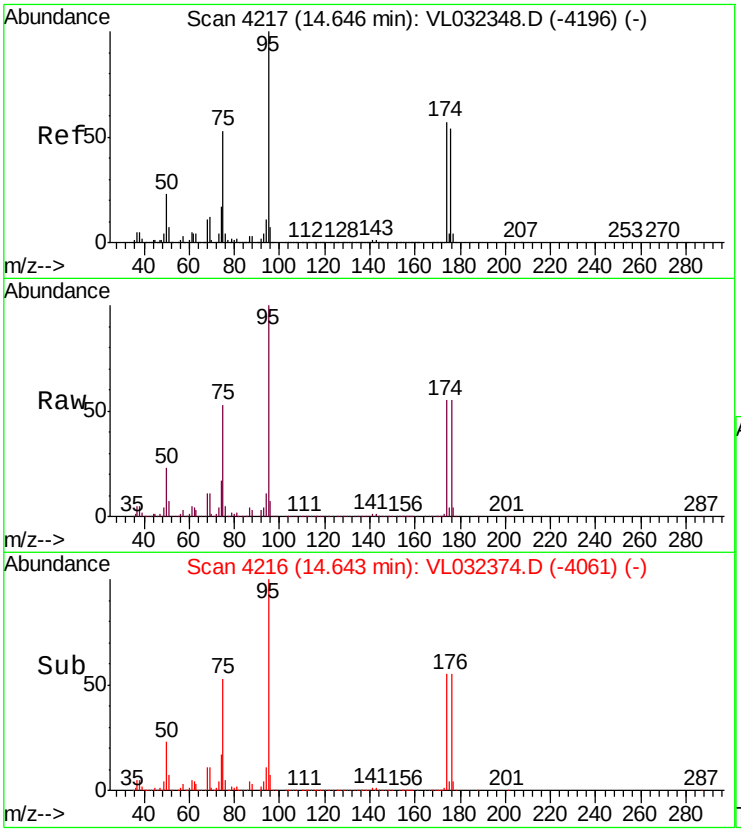




#67
sec-Butylbenzene
Concen: 0.047 ppbv
RT: 17.52 min Scan# 5112
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:105 Resp: 26477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 0.0 | 14.4 | 21.6# |



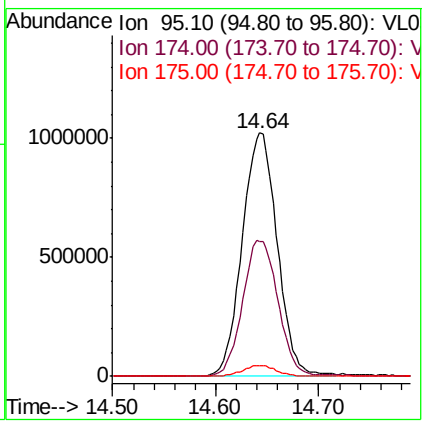


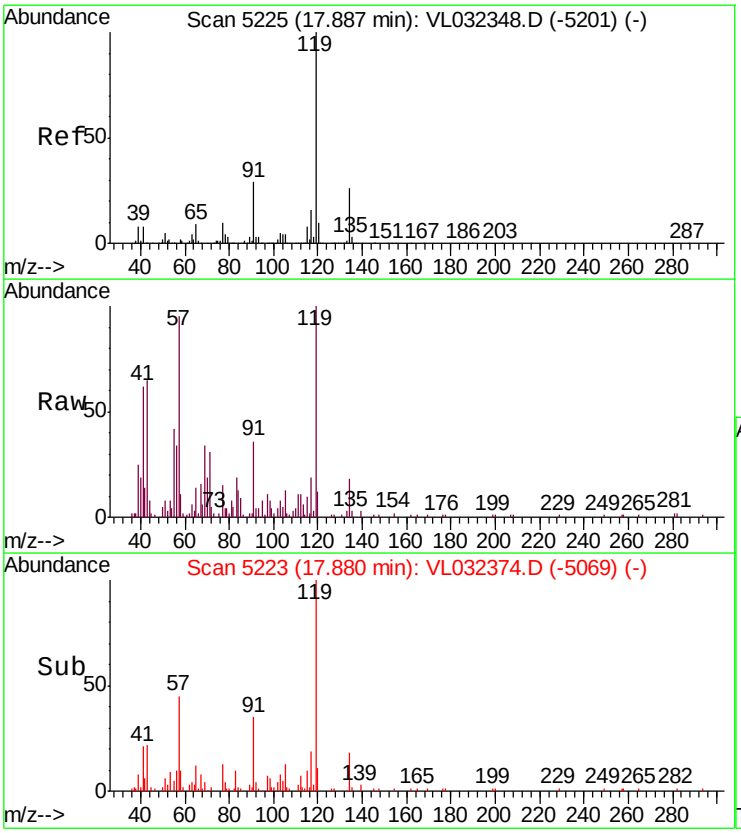

#68
1-Bromo-4-Fluorobenzene
Concen: 10.176 ppbv
RT: 14.64 min Scan# 4216
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 95 Resp: 2407231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 57.4 | 46.2 | 69.4 |
| 175 | 4.3 | 3.4 | 5.0 |

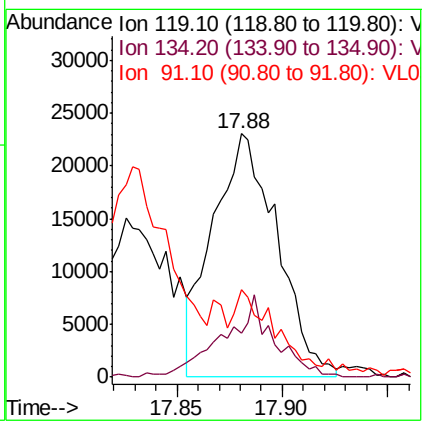


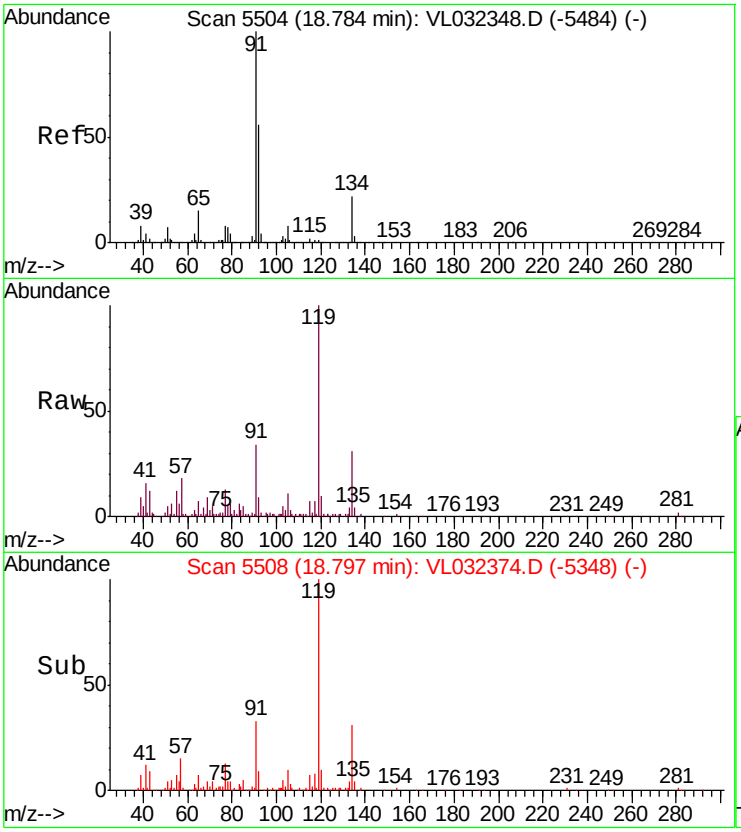




#69
p-Isopropyltoluene
Concen: 0.114 ppbv
RT: 17.88 min Scan# 5223
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:119 Resp: 48934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.6 | 20.4 | 30.6 |
| 91 | 22.8 | 23.6 | 35.4# |



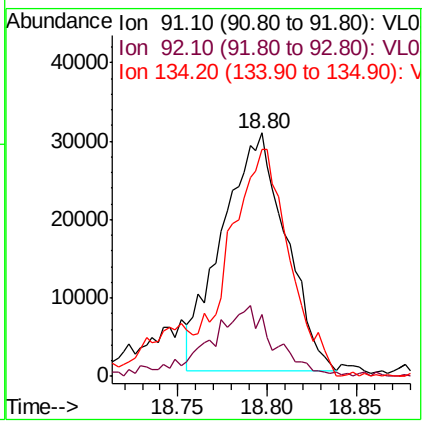


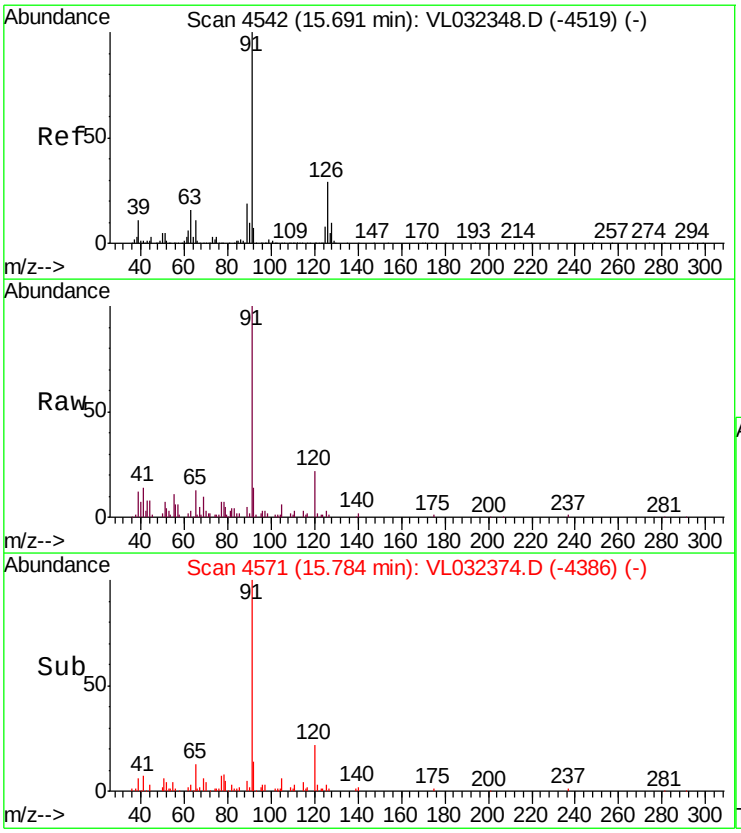

#70
n-Butylbenzene
Concen: 0.160 ppbv
RT: 18.80 min Scan# 5508
Delta R.T. 0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion: 91 Resp: 75812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 32.4 | 43.9 | 65.9# |
| 134 | 106.6 | 17.3 | 25.9# |

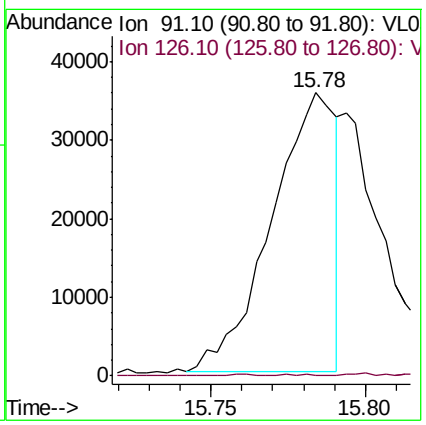


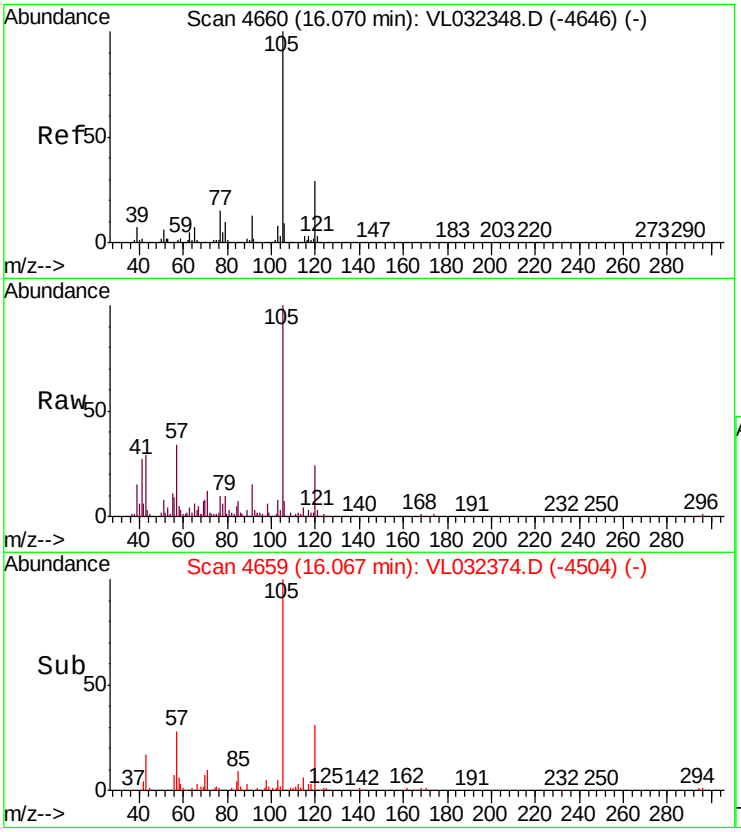




#71
2-Chlorotoluene
Concen: 0.150 ppbv
RT: 15.78 min Scan# 4571
Delta R.T. 0.09 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion: 91 Resp: 51314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 1.3 | 11.8 | 47.2# |



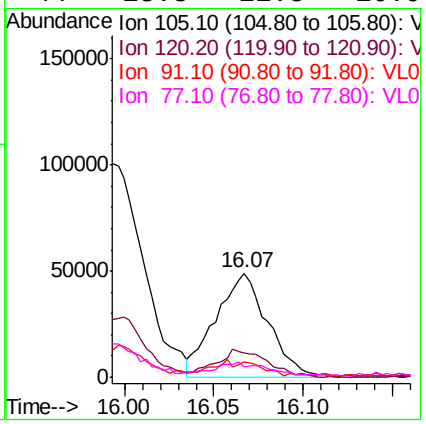


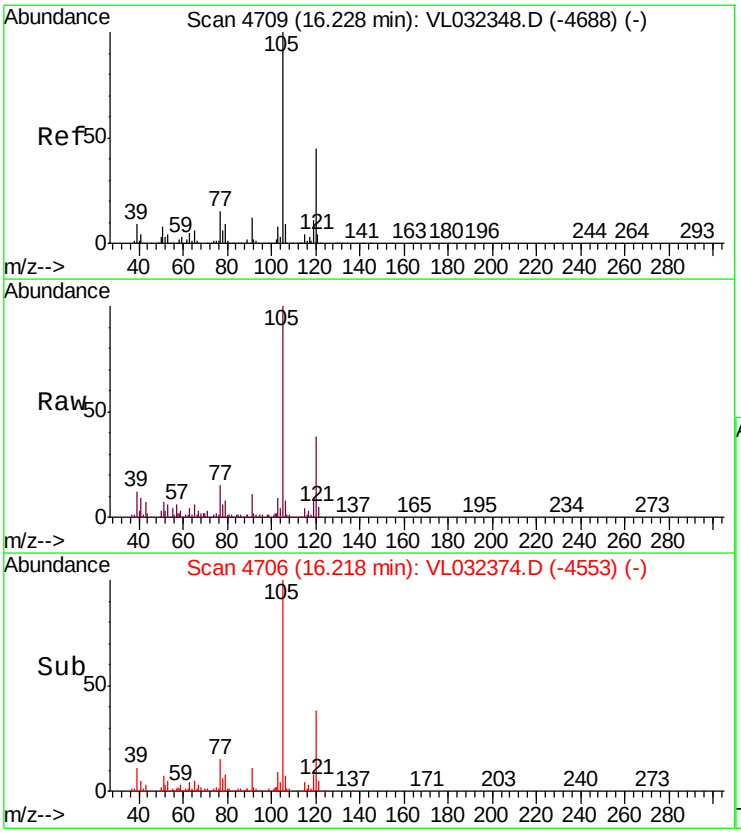

#72
4-Ethyltoluene
Concen: 0.282 ppbv
RT: 16.07 min Scan# 4659
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:105 Resp: 97799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 23.4 | 35.0 |
| 91 | 14.3 | 10.0 | 15.0 |
| 77 | 13.3 | 11.3 | 16.9 |

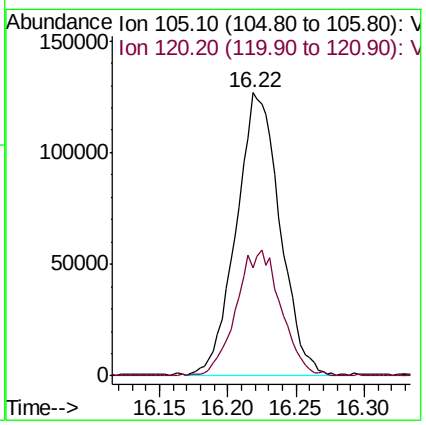


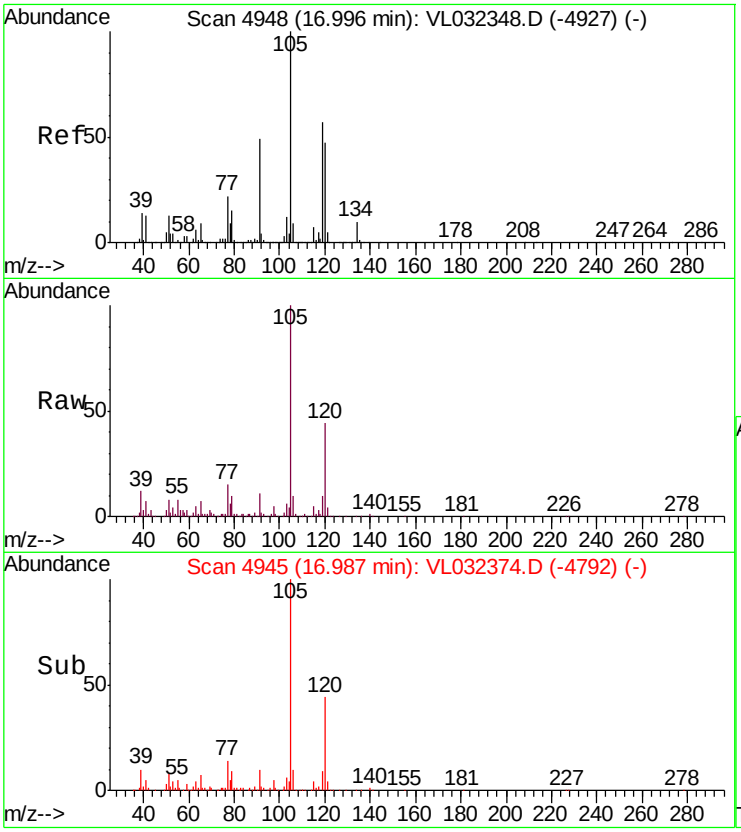




#73
1,3,5-Trimethylbenzene
Concen: 0.840 ppbv
RT: 16.22 min Scan# 4706
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:105 Resp: 280607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 38.0 | 36.3 | 54.5 |



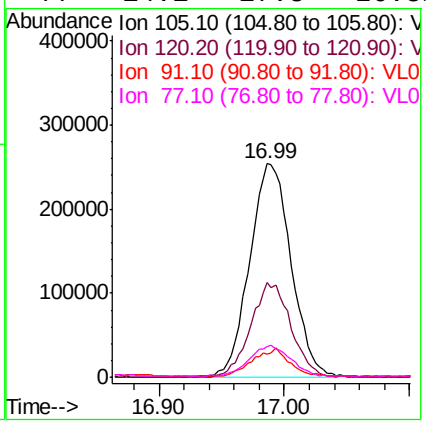


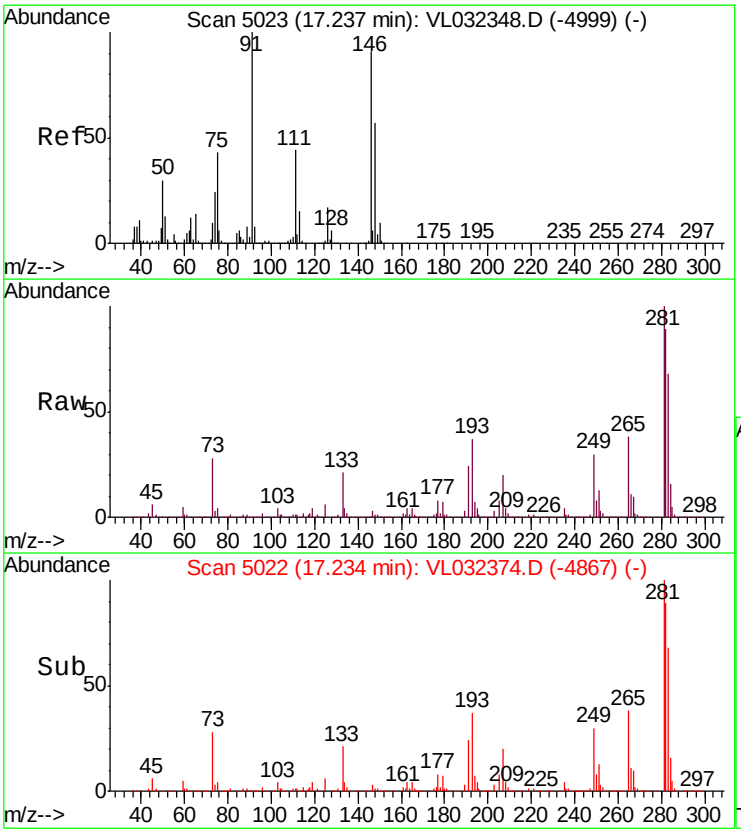

#74
1,2,4-Trimethylbenzene
Concen: 1.639 ppbv
RT: 16.99 min Scan# 4945
Delta R.T. -0.01 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:105 Resp: 582754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 37.6 | 56.4 |
| 91 | 10.2 | 39.9 | 59.9# |
| 77 | 14.1 | 17.8 | 26.8# |

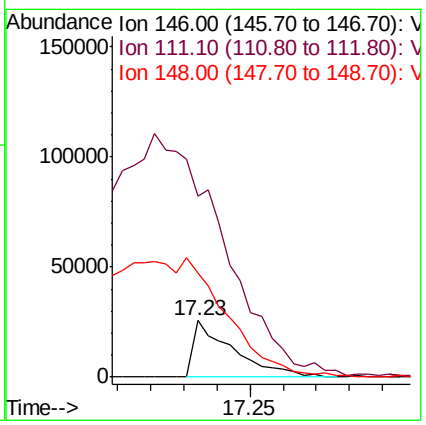


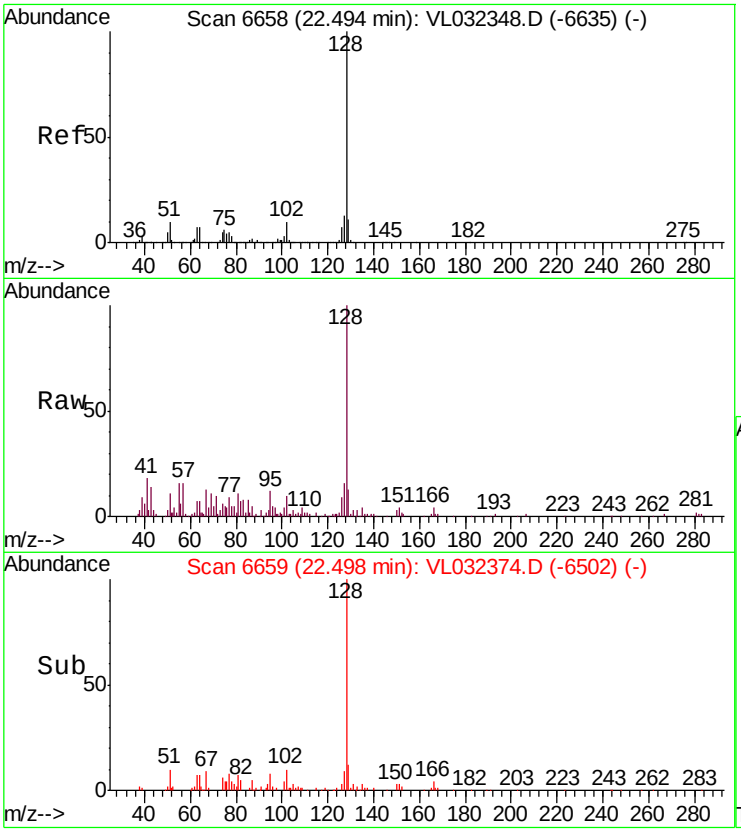




#75
1,3-Dichlorobenzene
Concen: 0.100 ppbv
RT: 17.23 min Scan# 5022
Delta R.T. -0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:146 Resp: 21419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 1790.8 | 24.6 | 73.8# |
| 148 | 881.4 | 32.0 | 96.0# |



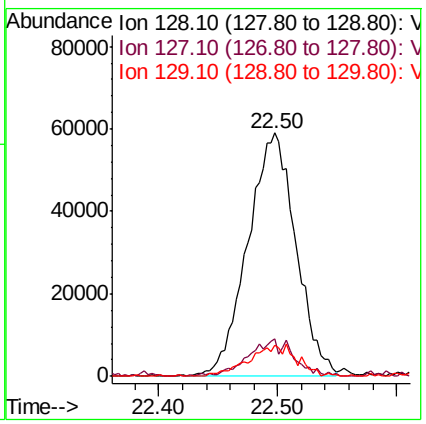


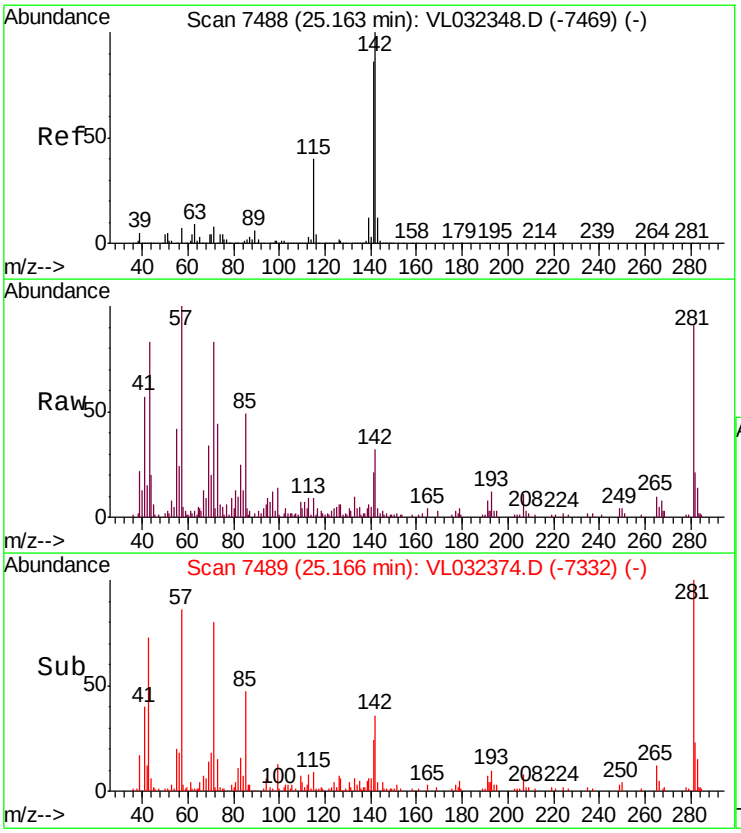

#79
Naphthalene
Concen: 0.807 ppbv
RT: 22.50 min Scan# 6659
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:128 Resp: 165032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.6 | 10.3 | 15.5# |
| 129 | 12.9 | 8.6 | 13.0 |

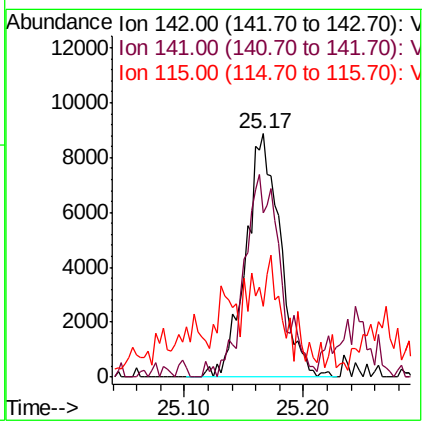


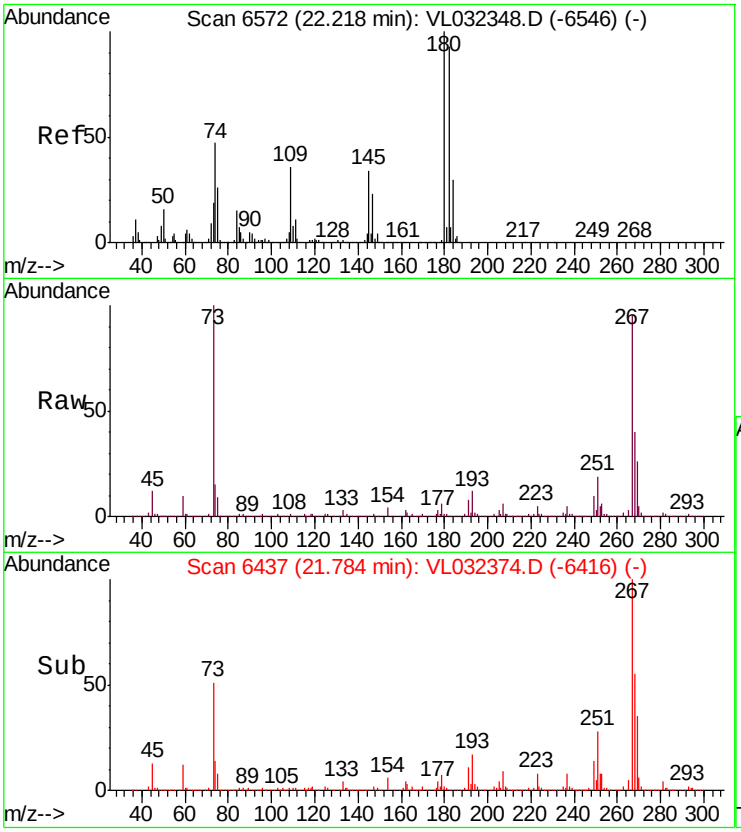




#80
Naphthalene,2-methyl-
Concen: 0.248 ppbv
RT: 25.17 min Scan# 7489
Delta R.T. 0.00 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

Tgt Ion:142 Resp: 17627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 66.7 | 100.1 |
| 115 | 107.4 | 31.0 | 46.6# |






#81
1,2,4-Trichlorobenzene
Concen: 0.590 ppbv
RT: 21.78 min Scan# 6437
Delta R.T. -0.43 min
Lab File: VL032374.D
Acq: 16 Aug 2018 6:38

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG10-MIVI

Tgt Ion:180 Resp: 81123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 0.0 | 76.1 | 114.1# |
| 184 | 0.3 | 24.2 | 36.2# |