Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
Data File : VL026215.D
Acq On : 20 Oct 2015 19:49
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102015

Manual Integrations APPROVED
MMDadoda
10/22/2015 4:31:33 PM

Quant Time: Oct 21 02:29:37 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 2
QLast Update : Tue Oct 20 20:24:48 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 6.63 | 49 | 531906 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 8.31 | 114 | 1659053 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 13.72 | 117 | 1940350m | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 16.27 | 95 | 1596779 | 10.67 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 106.70% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.63 | 85 | 873007 | 7.92 | ppbv | 99 |
| 3) Chlorodifluoromethane | 3.56 | 51 | 631226 | 9.37 | ppbv | 100 |
| 4) Chloromethane | 3.73 | 50 | 366604 | 10.09 | ppbv | 98 |
| 5) Vinyl Chloride | 3.87 | 62 | 392488 | 10.26 | ppbv | 97 |
| 6) Bromomethane | 4.13 | 94 | 280331 | 10.21 | ppbv | 97 |
| 7) Chloroethane | 4.22 | 64 | 165867 | 10.34 | ppbv | 100 |
| 8) Dichlorotetrafluoroethane | 3.79 | 85 | 949049 | 10.02 | ppbv | 100 |
| 9) Propene | 3.58 | 41 | 302851 | 9.61 | ppbv | 99 |
| 10) Heptane | 9.33 | 43 | 1016795 | 9.63 | ppbv | 100 |
| 11) Trichlorofluoromethane | 4.68 | 101 | 1124771 | 10.40 | ppbv | 99 |
| 12) 1,1,2-Trichlorotrifluoroet | 5.29 | 101 | 764453 | 10.36 | ppbv | 99 |
| 13) Ethanol | 4.31 | 45 | 35769 | 7.56 | ppbv | 97 |
| 14) Bromoethene | 4.43 | 108 | 326646 | 10.49 | ppbv | 99 |
| 15) Acetone | 4.58 | 43 | 687282 | 8.78 | ppbv | 100 |
| 16) 1,3-Butadiene | 3.95 | 39 | 347935 | 9.96 | ppbv | 99 |
| 17) tert-Butyl alcohol | 5.10 | 59 | 681834 | 12.74 | ppbv | 100 |
| 18) 1,1-Dichloroethene | 5.07 | 96 | 354686 | 10.64 | ppbv | 99 |
| 19) Isopropyl Alcohol | 4.73 | 45 | 340420 | 11.12 | ppbv | 93 |
| 20) Methylene Chloride | 5.13 | 84 | 321592 | 10.29 | ppbv | 98 |
| 21) Allyl Chloride | 5.21 | 41 | 549155 | 10.74 | ppbv | 99 |
| 22) trans-1,2-Dichloroethene | 5.74 | 96 | 434595 | 10.11 | ppbv | 97 |
| 23) Vinyl Acetate | 5.96 | 43 | 1435153 | 9.94 | ppbv | 100 |
| 24) 1,1-Dichloroethane | 5.89 | 63 | 905245 | 9.94 | ppbv | 100 |
| 25) Ethyl Acetate | 6.65 | 43 | 1420550 | 9.68 | ppbv | 100 |
| 26) Hexane | 6.64 | 57 | 704334 | 9.60 | ppbv | 99 |
| 27) Carbon Disulfide | 5.37 | 76 | 1002340 | 10.69 | ppbv | 97 |
| 28) Methyl tert-Butyl Ether | 5.93 | 73 | 1337326 | 10.03 | ppbv | 99 |
| 29) Chloroform | 6.73 | 83 | 1064851 | 10.00 | ppbv | 100 |
| 30) Cyclohexane | 8.26 | 84 | 712019 | 9.70 | ppbv | 100 |
| 31) cis-1,2-Dichloroethene | 6.50 | 61 | 668614 | 10.04 | ppbv | 98 |
| 32) 1,1,1-Trichloroethane | 7.57 | 97 | 1142742 | 9.68 | ppbv | 100 |
| 34) 2-Butanone | 6.18 | 43 | 877354 | 9.36 | ppbv | 99 |
| 35) Carbon Tetrachloride | 8.14 | 117 | 1191423 | 9.43 | ppbv | 96 |
| 36) Benzene | 8.00 | 78 | 1594133 | 9.44 | ppbv | 99 |
| 37) 1,2-Dichloroethane | 7.35 | 62 | 866175 | 9.97 | ppbv | 100 |
| 38) Trichloroethene | 9.04 | 130 | 680557 | 8.30 | ppbv | 99 |
| 39) 1,2-Dichloropropane | 8.81 | 63 | 560327 | 9.43 | ppbv | 99 |
| 40) 1,4-Dioxane | 9.10 | 88 | 99837 | 8.94 | ppbv # | 1 |
| 41) Tetrahydrofuran | 7.10 | 42 | 525456 | 9.68 | ppbv | 99 |
| 42) Bromodichloromethane | 9.01 | 83 | 1221454 | 9.78 | ppbv | 98 |
| 43) Methyl Methacrylate | 9.24 | 69 | 606909 | 9.87 | ppbv | 98 |

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Data File : VL026215.D
Acq On : 20 Oct 2015 19:49
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL102015

Manual Integrations APPROVED
MMDadoda
10/22/2015 4:31:33 PM

Quant Time: Oct 21 02:29:37 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct 2
QLast Update : Tue Oct 20 20:24:48 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 9.07 | 57 | 2509803 | 9.17 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 10.63 | 75 | 976326 | 10.17 | ppbv | | 100 |
| 46) cis-1,3-Dichloropropene | 10.00 | 75 | 1106158 | 9.85 | ppbv | | 99 |
| 47) 1,1,2-Trichloroethane | 10.86 | 97 | 716877 | 9.60 | ppbv | | 98 |
| 48) Dibromochloromethane | 11.78 | 129 | 1204321 | 9.90 | ppbv | | 100 |
| 49) Bromoform | 14.79 | 173 | 1026368 | 9.99 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 10.07 | 43 | 1248078 | 9.86 | ppbv | | 100 |
| 51) 2-Hexanone | 11.59 | 43 | 1205614 | 10.20 | ppbv | # | 100 |
| 52) Tetrachloroethene | 12.77 | 164 | 753814 | 7.78 | ppbv | | 99 |
| 53) Toluene | 11.21 | 91 | 2167413 | 9.43 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 12.12 | 107 | 1115417 | 9.65 | ppbv | | 100 |
| 56) 1,1,1,2-Tetrachloroethane | 13.76 | 131 | 867071 | 9.32 | ppbv | | 99 |
| 57) Chlorobenzene | 13.79 | 112 | 1807137 | 9.73 | ppbv | | 99 |
| 58) Ethyl Benzene | 14.39 | 91 | 3113827 | 9.90 | ppbv | | 99 |
| 59) m/p-Xylene | 14.69 | 91 | 4816091 | 19.56 | ppbv | | 100 |
| 60) o-Xylene | 15.47 | 91 | 2465566 | 9.58 | ppbv | | 100 |
| 61) Styrene | 15.29 | 104 | 1244696 | 10.69 | ppbv | | 99 |
| 62) Isopropylbenzene | 16.52 | 105 | 3504612 | 9.79 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 15.46 | 83 | 1560356 | 9.17 | ppbv | | 100 |
| 64) n-propylbenzene | 17.50 | 120 | 984229 | 10.00 | ppbv | | 97 |
| 65) tert-Butylbenzene | 18.79 | 119 | 3163678 | 9.68 | ppbv | | 100 |
| 66) Benzyl Chloride | 19.08 | 91 | 1441625 | 10.69 | ppbv | | 100 |
| 67) sec-Butylbenzene | 19.39 | 105 | 4533778 | 9.95 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 19.77 | 119 | 3815818 | 10.02 | ppbv | | 99 |
| 70) n-Butylbenzene | 20.74 | 91 | 3472035 | 9.97 | ppbv | | 100 |
| 71) 2-Chlorotoluene | 17.40 | 91 | 2605442 | 9.88 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 17.80 | 105 | 3074404 | 10.27 | ppbv | | 100 |
| 73) 1,3,5-Trimethylbenzene | 17.97 | 105 | 2847165 | 10.20 | ppbv | | 100 |
| 74) 1,2,4-Trimethylbenzene | 18.81 | 105 | 2794764 | 9.66 | ppbv | | 99 |
| 75) 1,3-Dichlorobenzene | 19.10 | 146 | 1879712 | 9.94 | ppbv | | 100 |
| 76) 1,4-Dichlorobenzene | 19.25 | 146 | 1983780 | 10.04 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 20.00 | 146 | 1915708 | 10.05 | ppbv | | 100 |
| 78) Hexachloro-1,3-Butadiene | 24.65 | 225 | 870708 | 8.90 | ppbv | | 100 |
| 79) Naphthalene | 23.91 | 128 | 2638095 | 10.34 | ppbv | | 100 |
| 80) Naphthalene,2-methyl- | 26.02 | 142 | 476474 | 10.41 | ppbv | | 97 |
| 81) 1,2,4-Trichlorobenzene | 23.71 | 180 | 1197709 | 9.76 | ppbv | | 100 |

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

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Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL102015\
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Acq On : 20 Oct 2015 19:49
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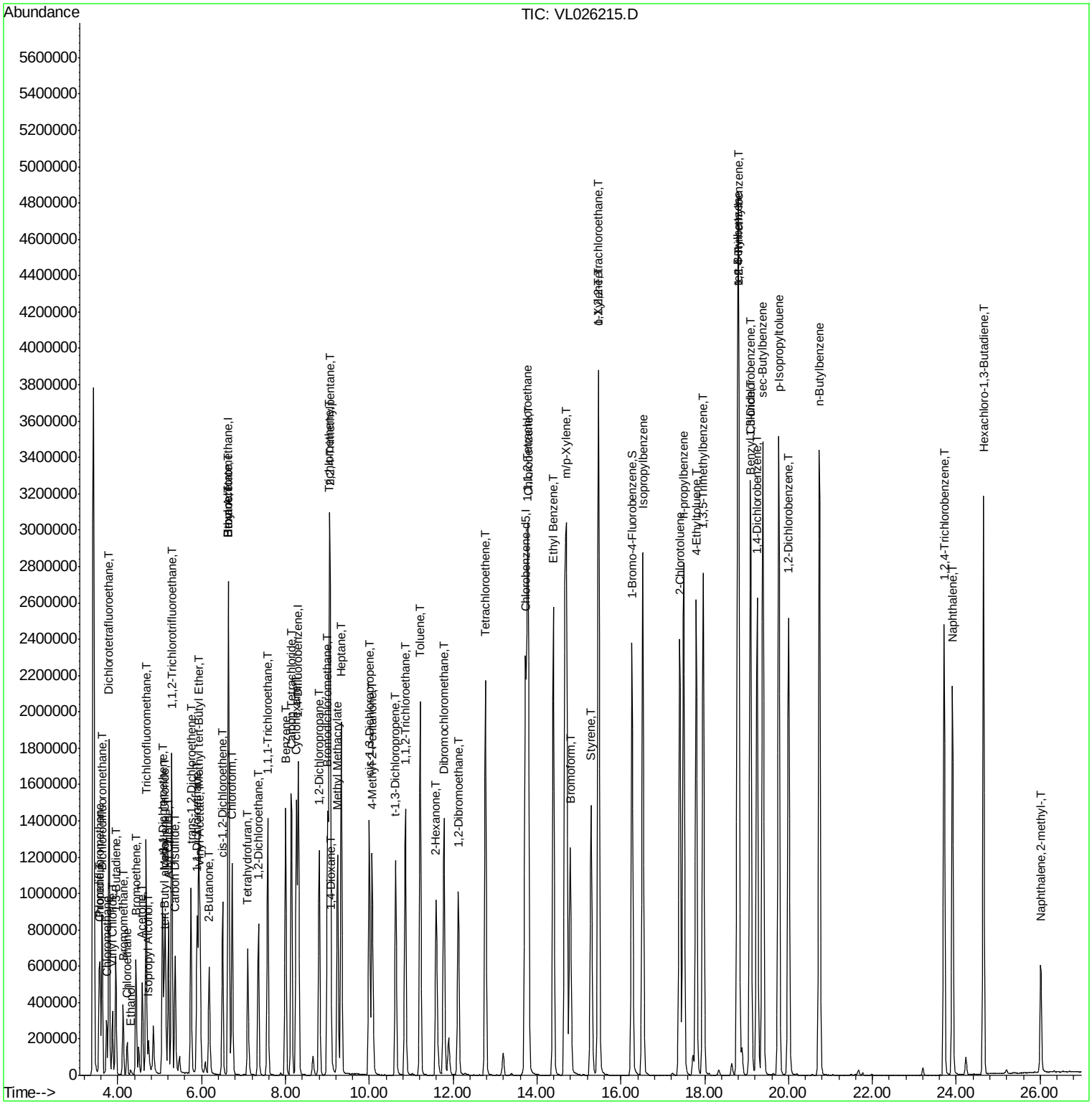
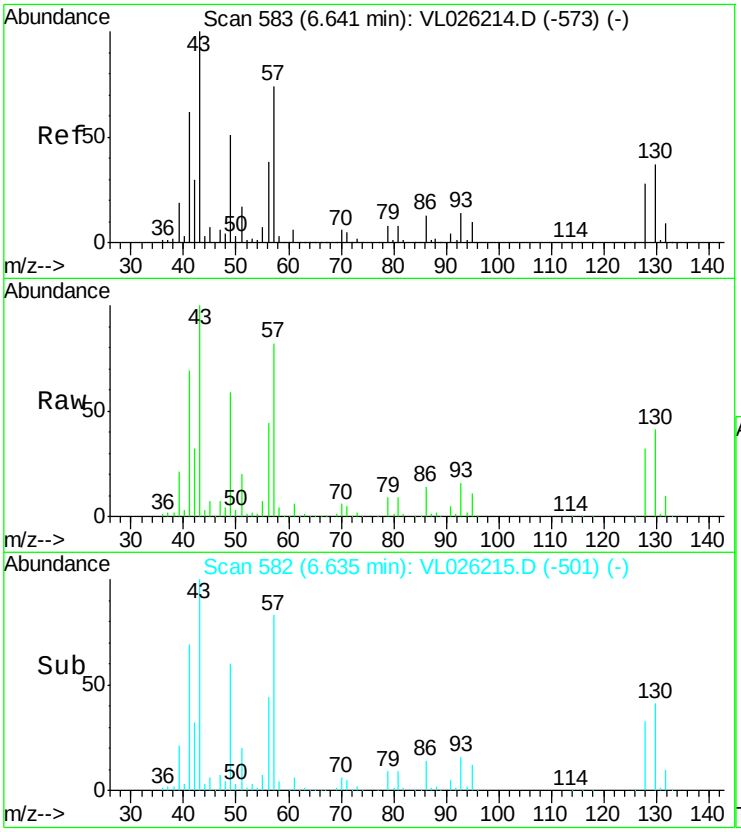
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 21 02:29:37 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Oct
QLast Update : Tue Oct 20 20:24:48 2015
Response via : Initial Calibration

**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
MMDadoda
10/22/2015 4:31:33 PM

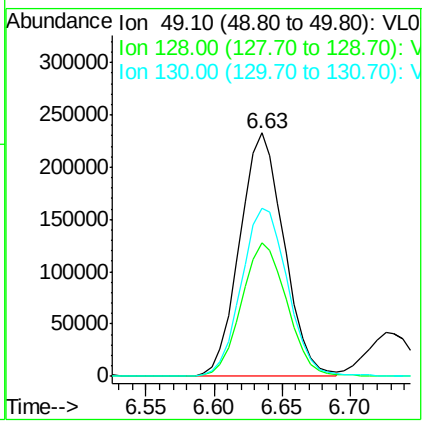





#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 49 Resp: 531906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 56.3 | 28.2 | 84.7 |
| 130 | 72.3 | 36.0 | 108.1 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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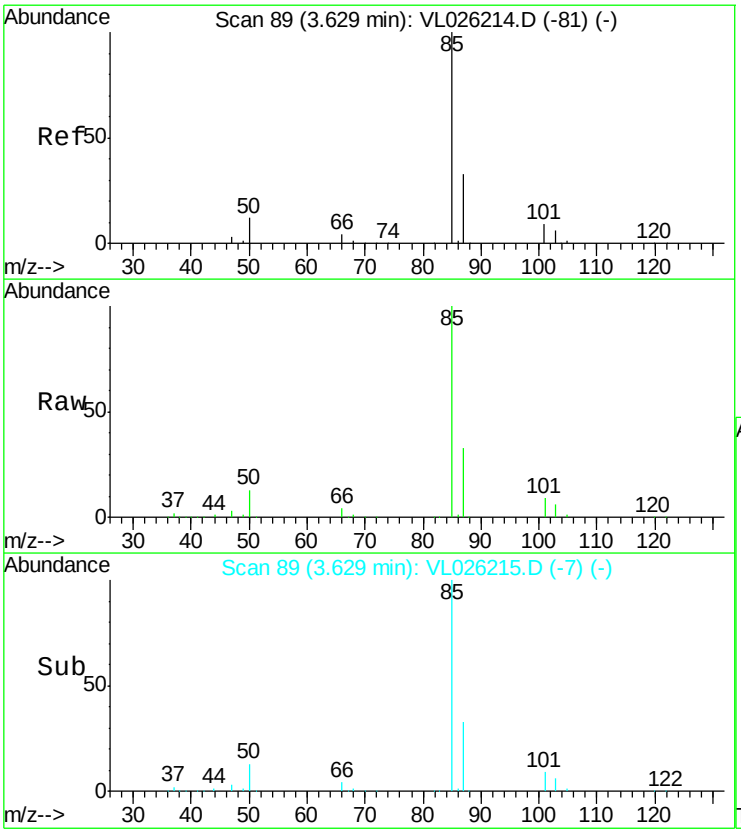
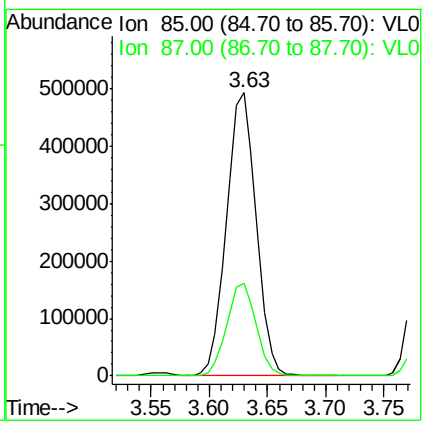
10/22/2015 4:31:33 PM

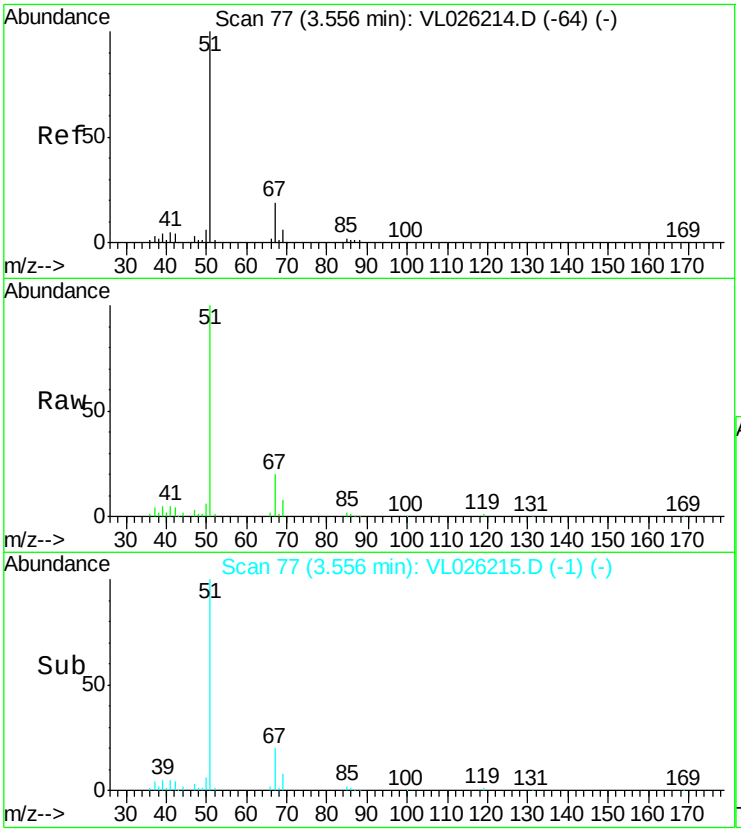



#2
Dichlorodifluoromethane
Concen: 7.92 ppbv
RT: 3.63 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 85 Resp: 873007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 26.1 | 39.1 |

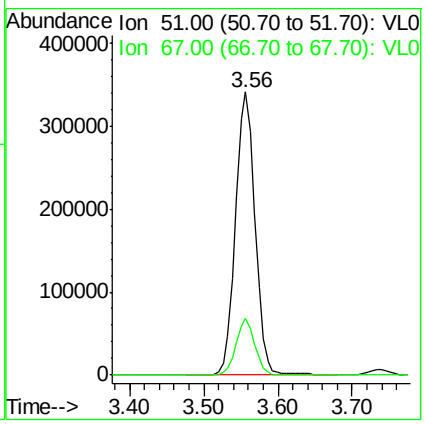





#3
Chlorodifluoromethane
Concen: 9.37 ppbv
RT: 3.56 min Scan# 77
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 51 Resp: 631226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 19.2 | 15.3 | 22.9 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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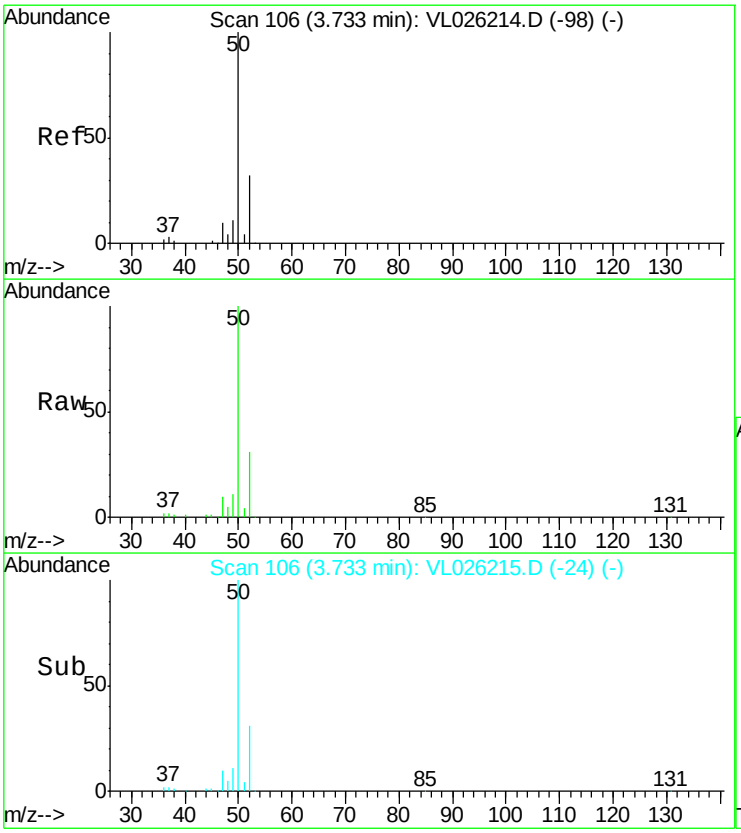
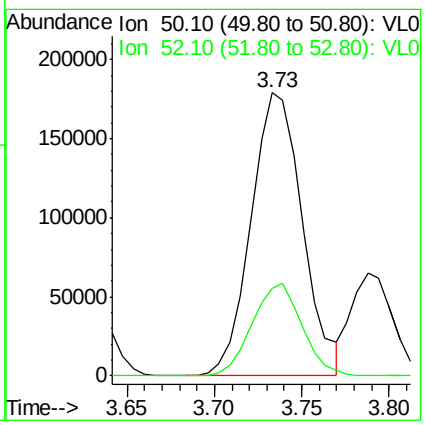
10/22/2015 4:31:33 PM

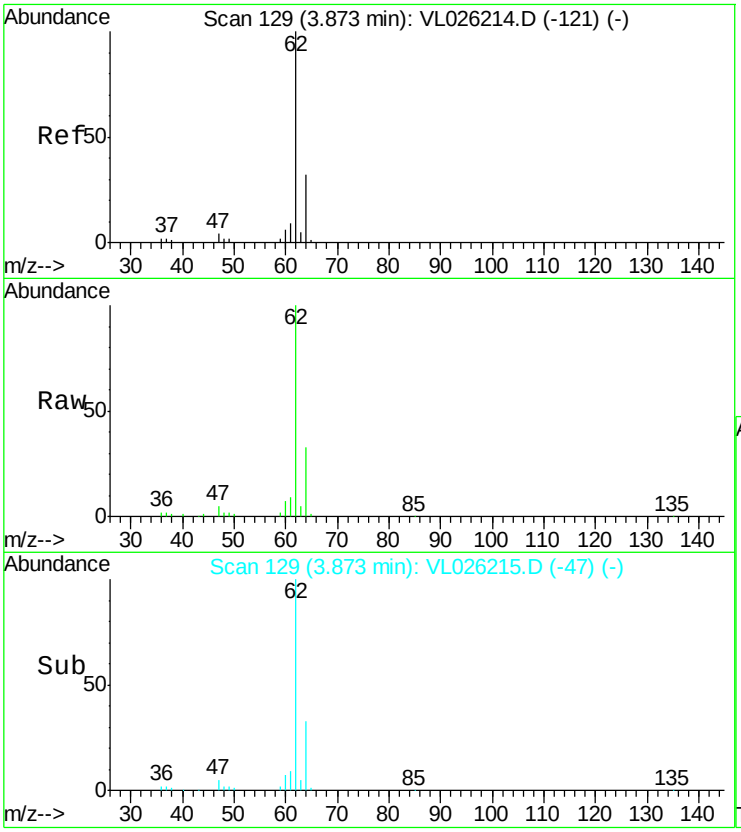



#4
Chloromethane
Concen: 10.09 ppbv
RT: 3.73 min Scan# 106
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 50 Resp: 366604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 25.8 | 38.6 |

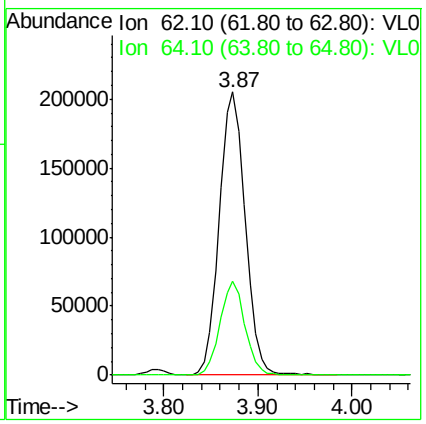





#5
Vinyl Chloride
Concen: 10.26 ppbv
RT: 3.87 min Scan# 129
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 62 Resp: 392488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.4 | 25.6 | 38.4 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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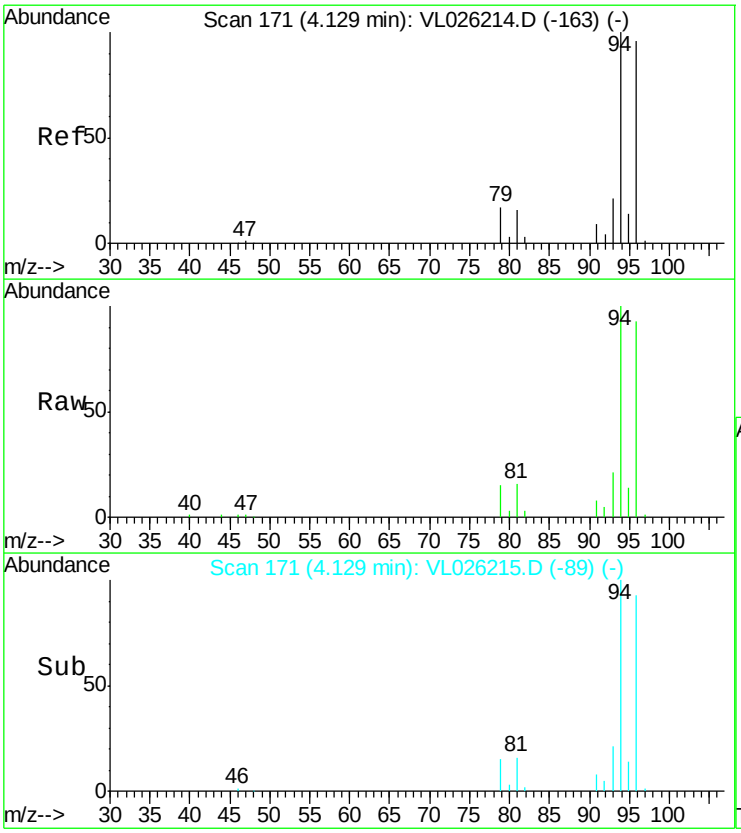
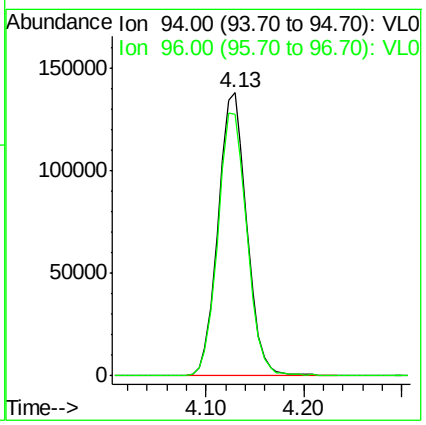
10/22/2015 4:31:33 PM

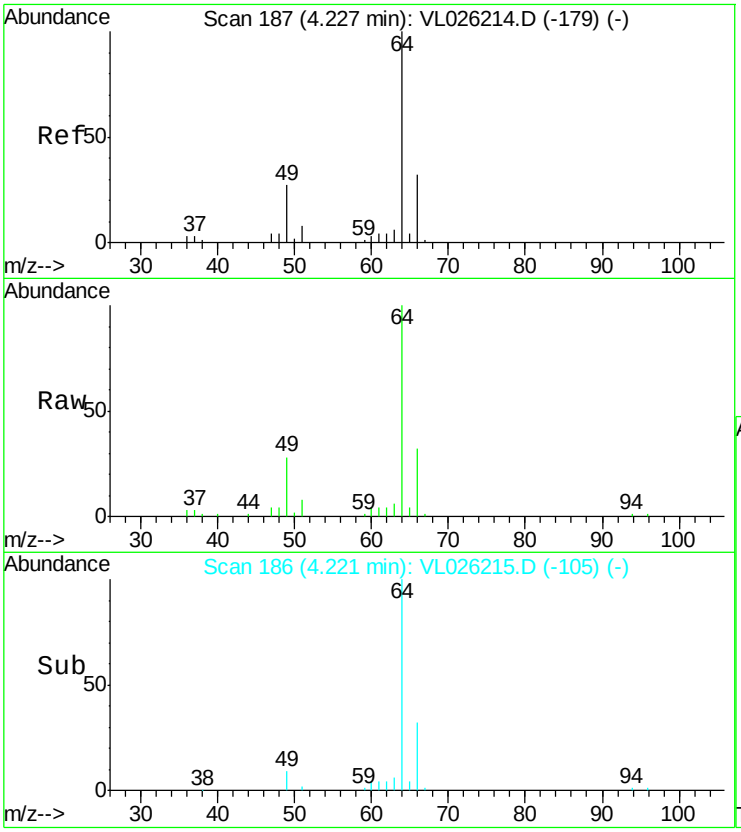



#6
Bromomethane
Concen: 10.21 ppbv
RT: 4.13 min Scan# 171
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 94 Resp: 280331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.4 | 76.5 | 114.7 |

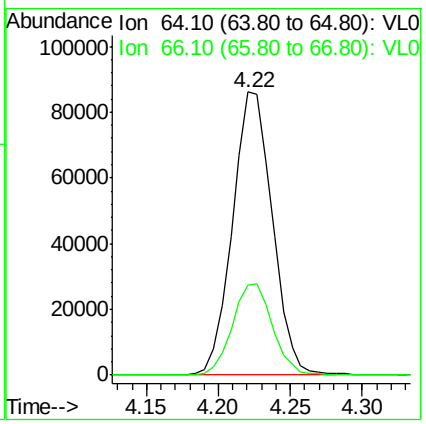





#7
Chloroethane
Concen: 10.34 ppbv
RT: 4.22 min Scan# 186
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 64 Resp: 165867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 25.4 | 38.0 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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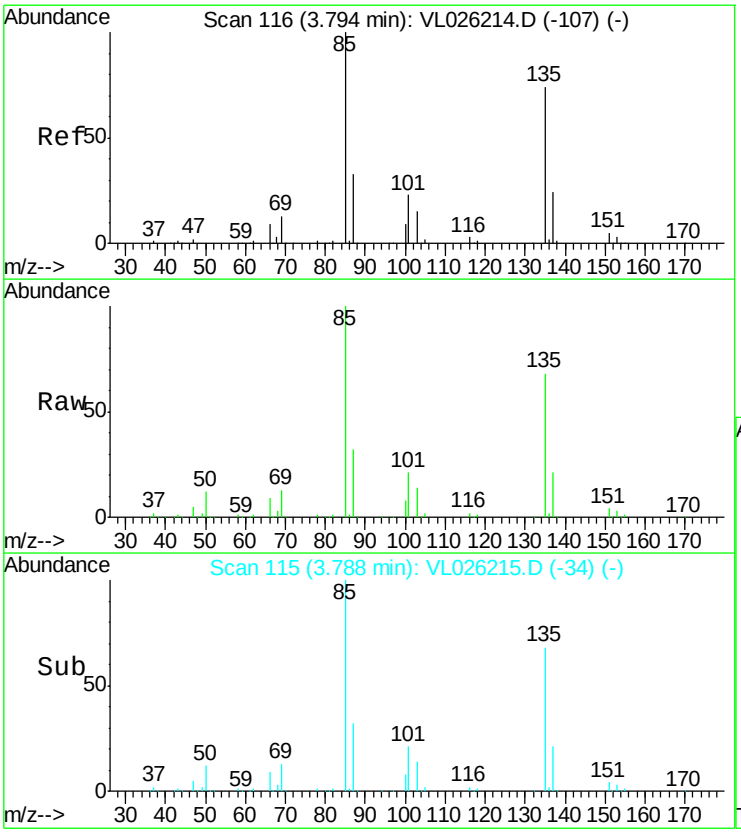
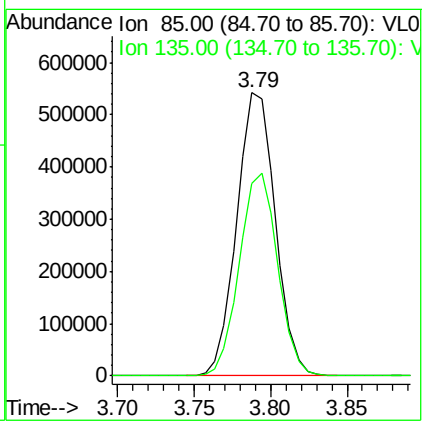
10/22/2015 4:31:33 PM

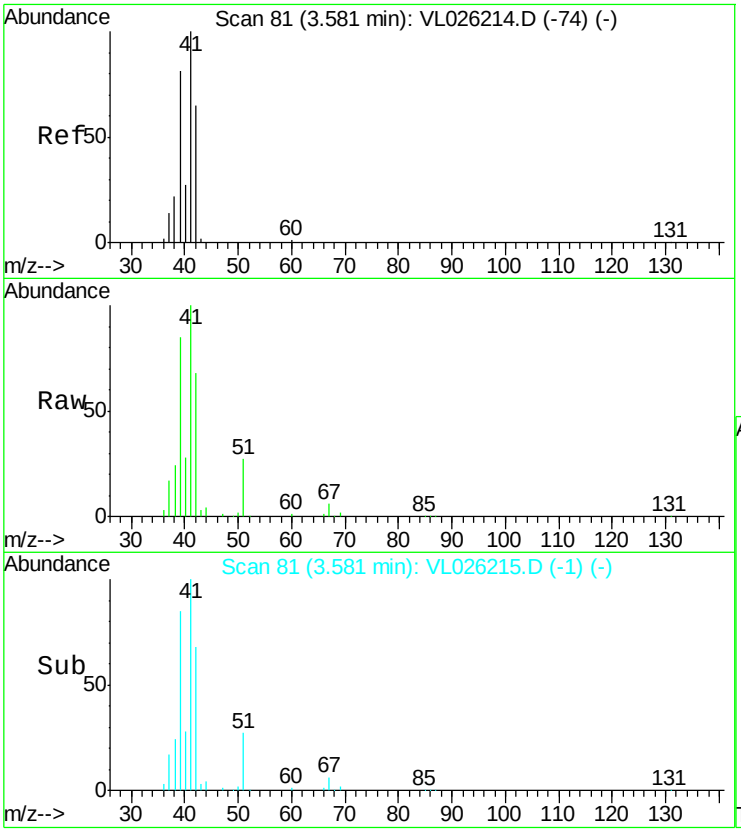



#8
Dichlorotetrafluoroethane
Concen: 10.02 ppbv
RT: 3.79 min Scan# 115
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 85 Resp: 949049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 71.9 | 57.8 | 86.8 |

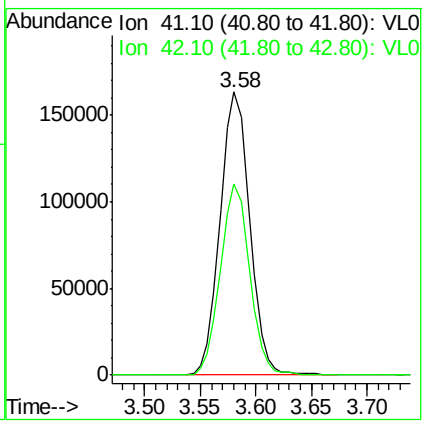





#9
Propene
Concen: 9.61 ppbv
RT: 3.58 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

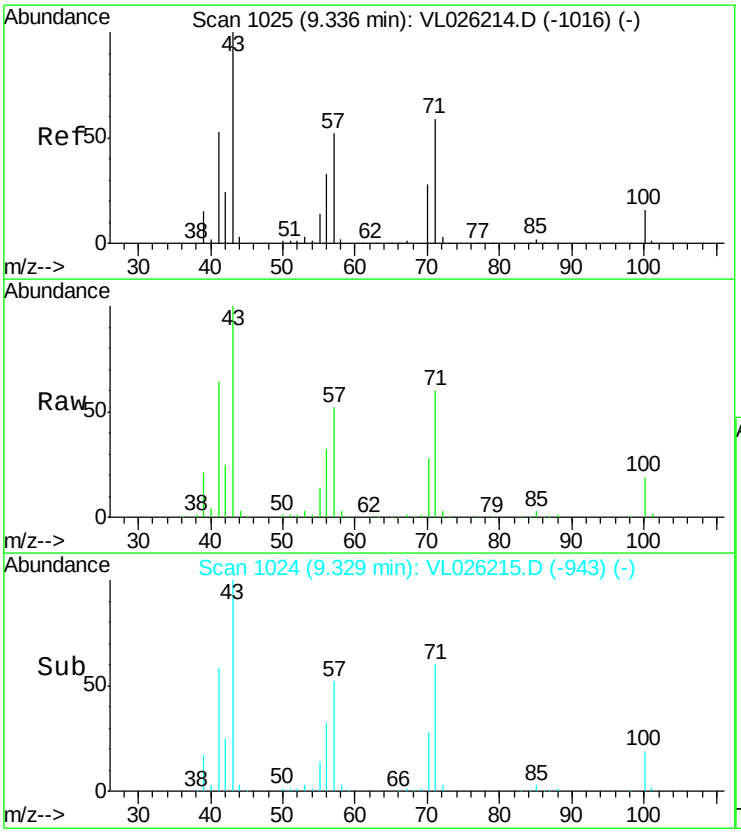
Tgt Ion: 41 Resp: 302851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 66.7 | 53.8 | 80.8 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

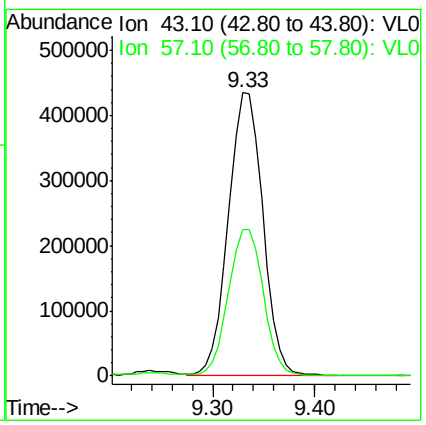
**Manual Integrations APPROVED**
MMDadoda
10/22/2015 4:31:33 PM

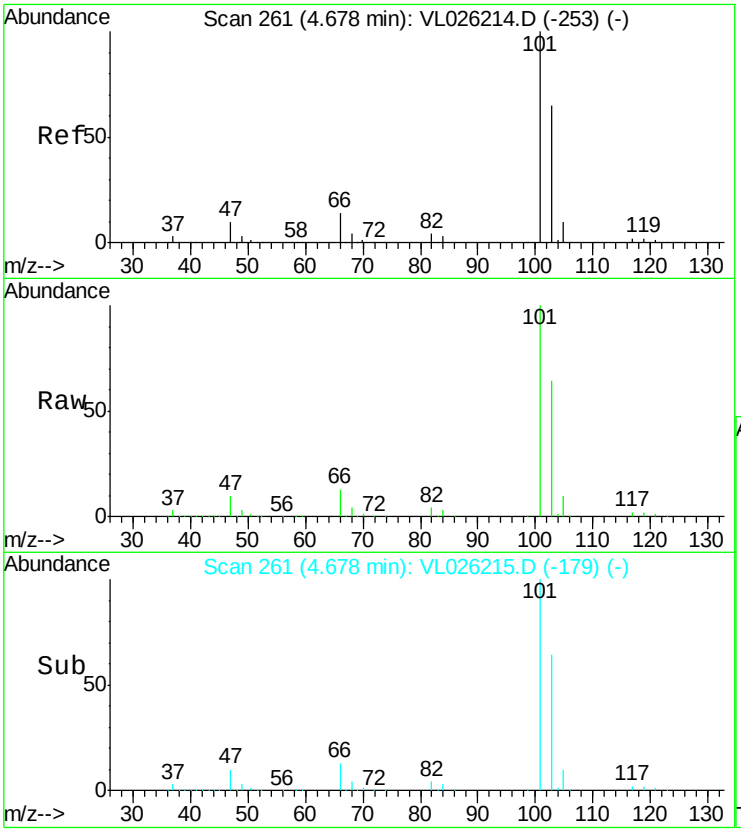



#10
Heptane
Concen: 9.63 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 1016795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 54.3 | 43.7 | 65.5 |

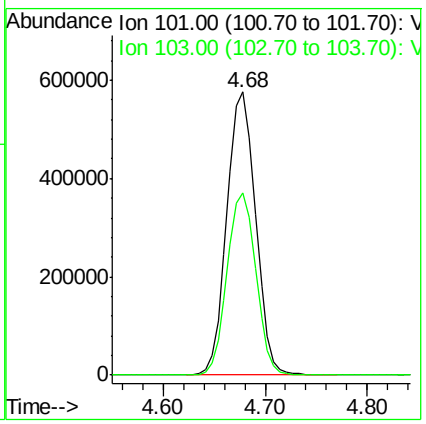





#11
Trichlorofluoromethane
Concen: 10.40 ppbv
RT: 4.68 min Scan# 261
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:101 Resp: 1124771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 52.2 | 78.2 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
MMDadoda
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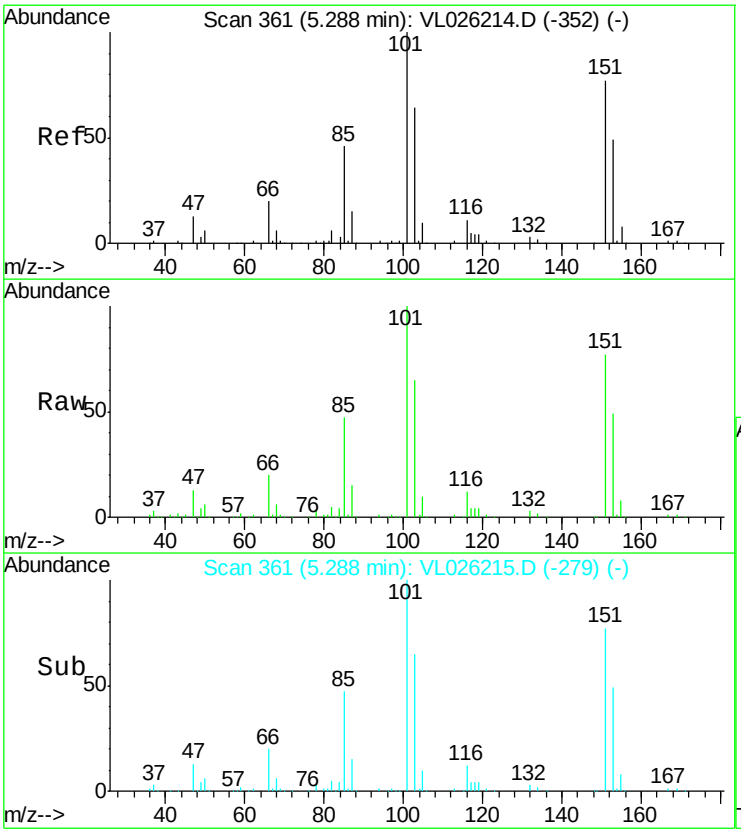
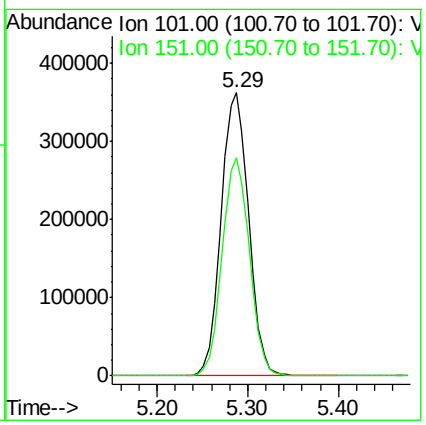
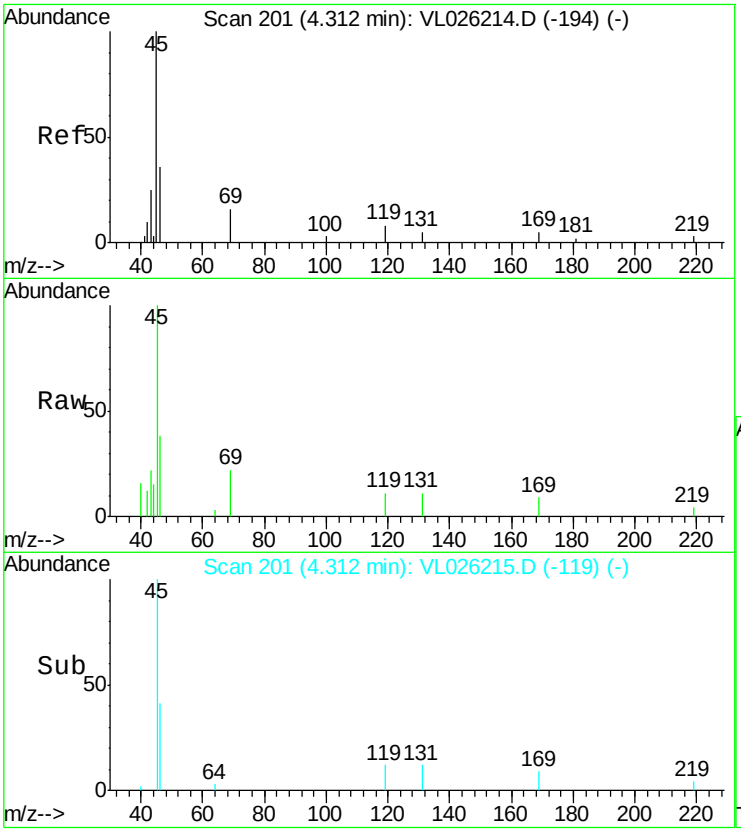



#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.36 ppbv
RT: 5.29 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:101 Resp: 764453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 76.6 | 61.7 | 92.5 |

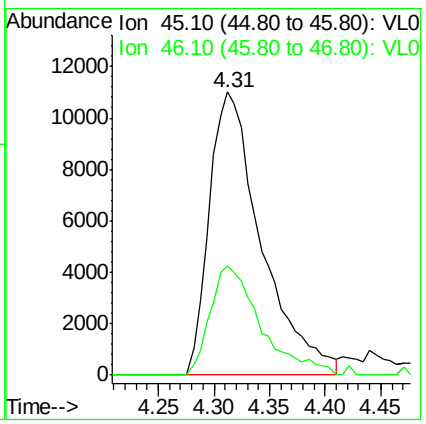





#13
Ethanol
Concen: 7.56 ppbv
RT: 4.31 min Scan# 201
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 45 Resp: 35769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 37.8 | 15.8 | 63.0 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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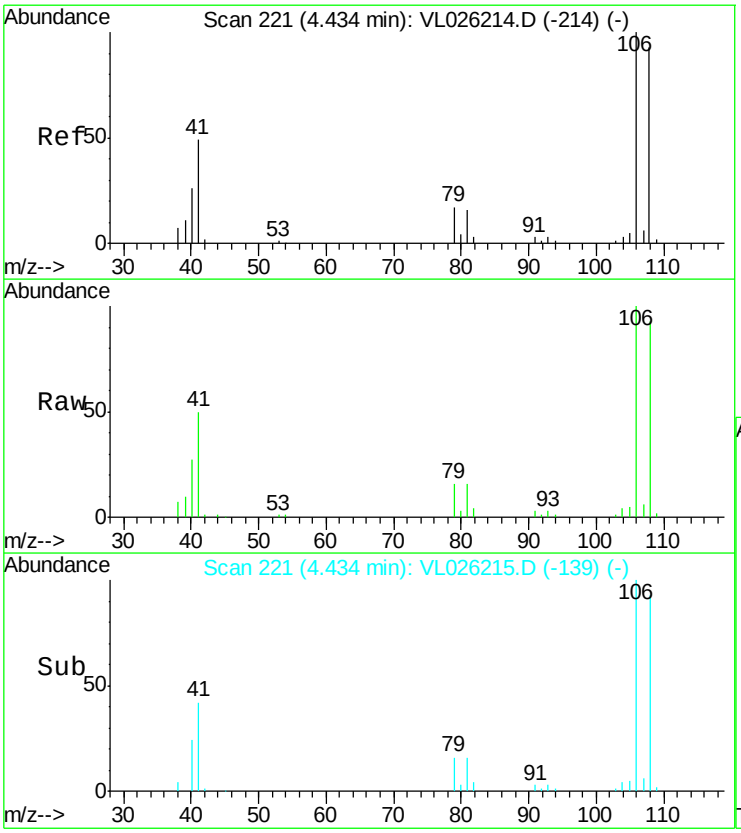
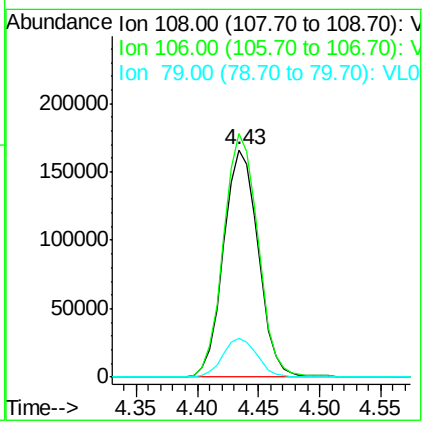
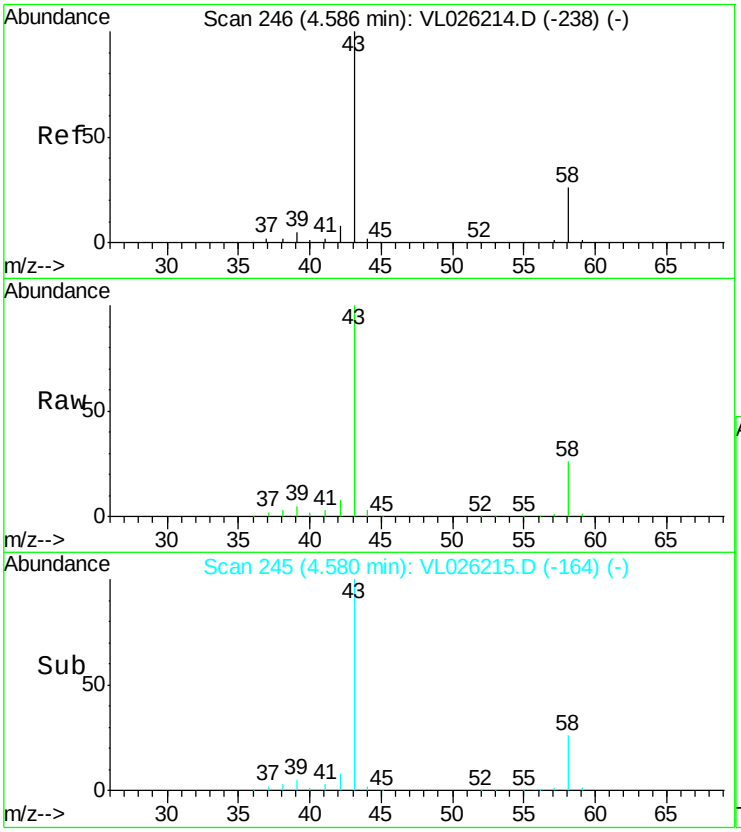



#14
Bromoethene
Concen: 10.49 ppbv
RT: 4.43 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:108 Resp: 326646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 106.8 | 84.7 | 127.1 |
| 79 | 17.1 | 14.0 | 21.0 |

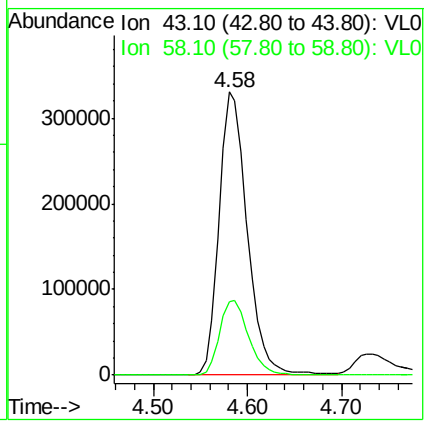





#15
Acetone
Concen: 8.78 ppbv
RT: 4.58 min Scan# 245
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 687282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.4 | 21.8 | 32.6 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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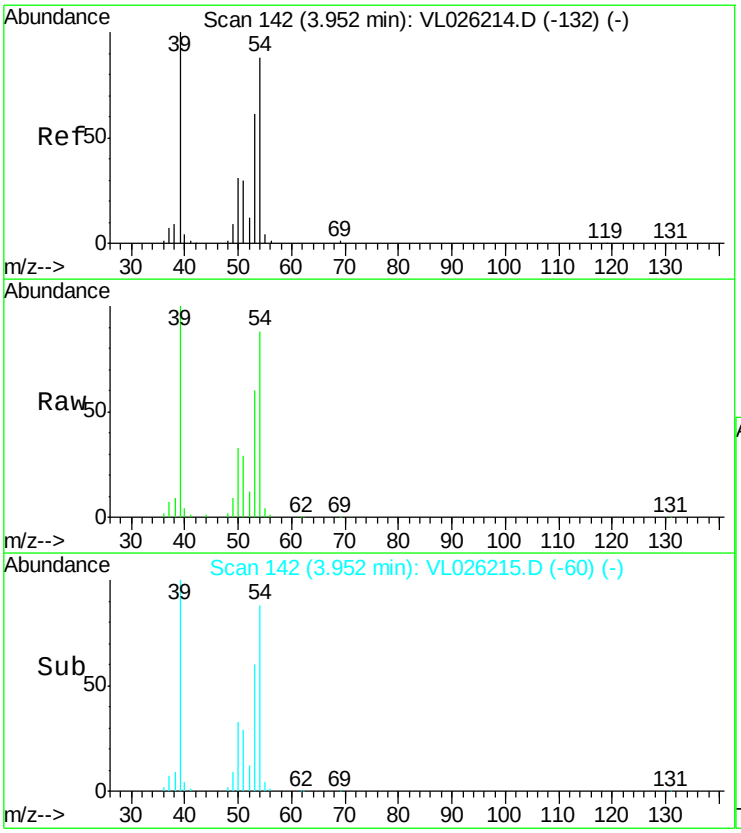
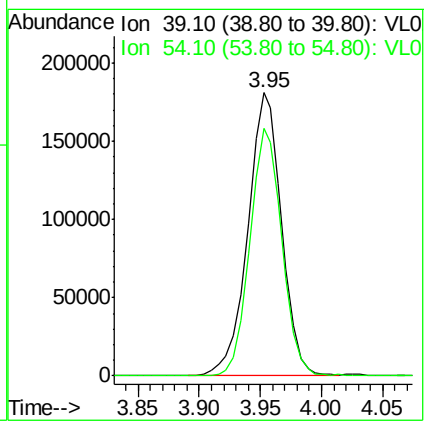
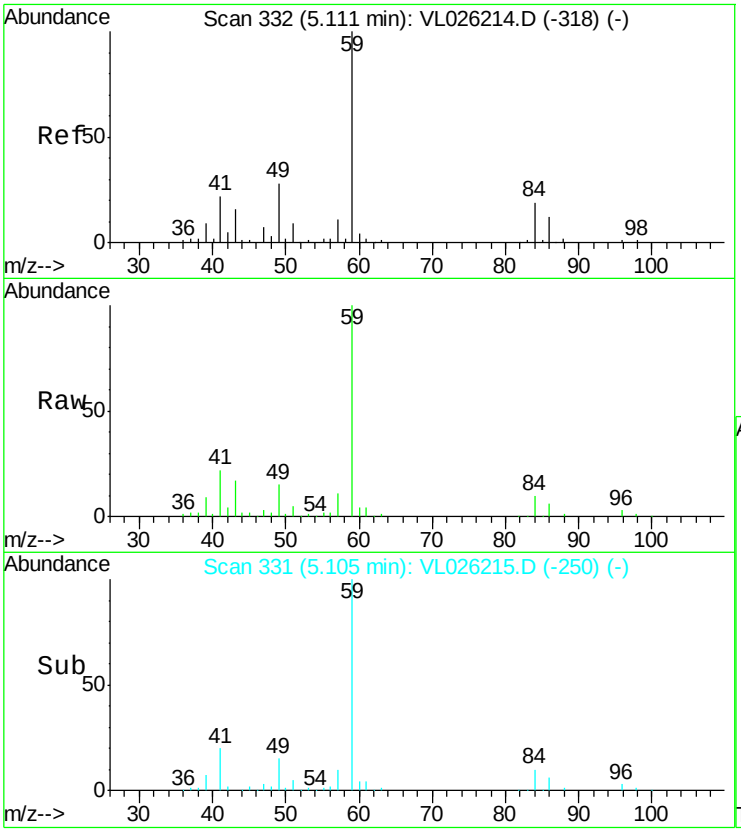



#16
1,3-Butadiene
Concen: 9.96 ppbv
RT: 3.95 min Scan# 142
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 39 Resp: 347935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 82.9 | 67.3 | 100.9 |

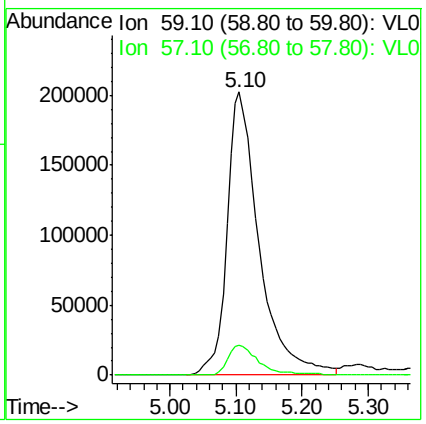





#17
tert-Butyl alcohol
Concen: 12.74 ppbv
RT: 5.10 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 59 Resp: 681834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.5 | 12.7 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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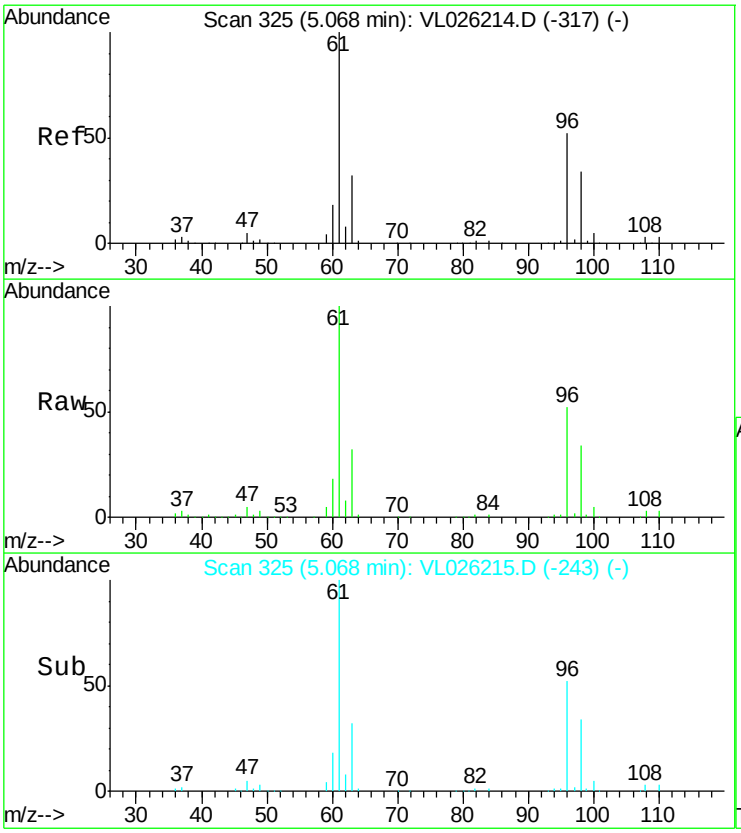
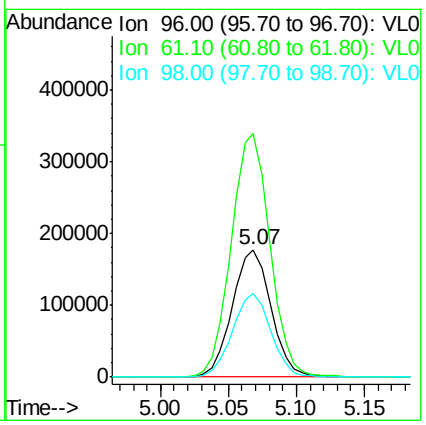
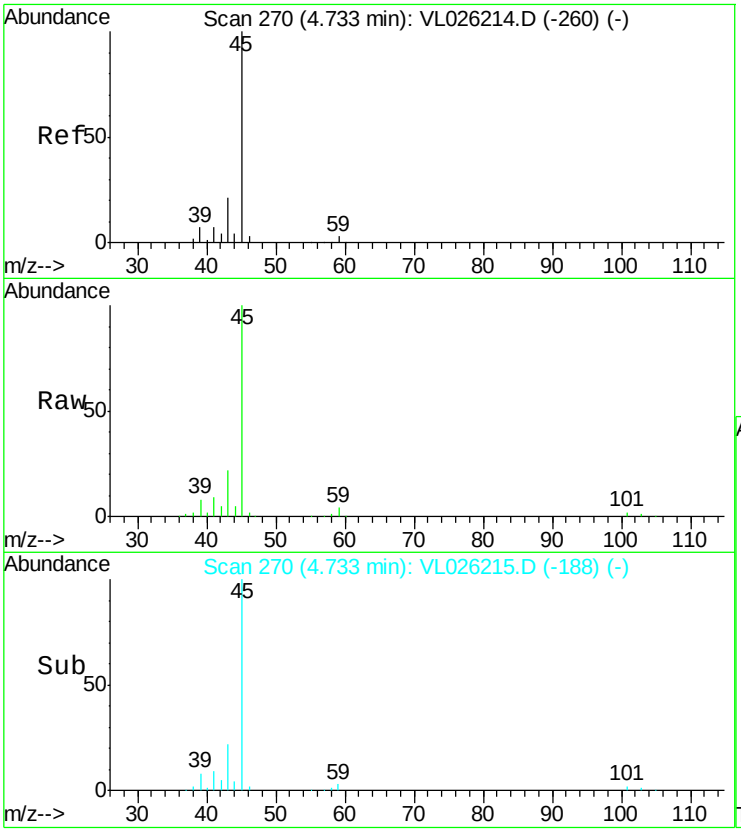



#18
1,1-Dichloroethene
Concen: 10.64 ppbv
RT: 5.07 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 96 Resp: 354686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 191.3 | 153.7 | 230.5 |
| 98 | 65.4 | 51.6 | 77.4 |

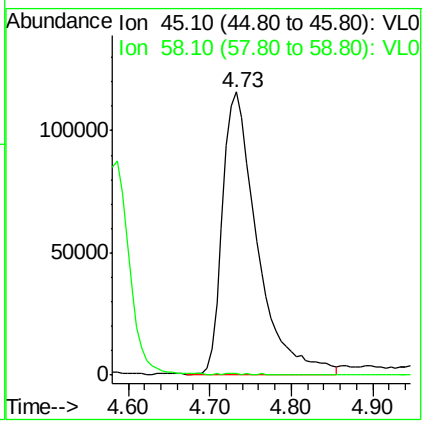





#19
Isopropyl Alcohol
Concen: 11.12 ppbv
RT: 4.73 min Scan# 270
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 45 Resp: 340420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 55.4 | 40.3 | 60.5 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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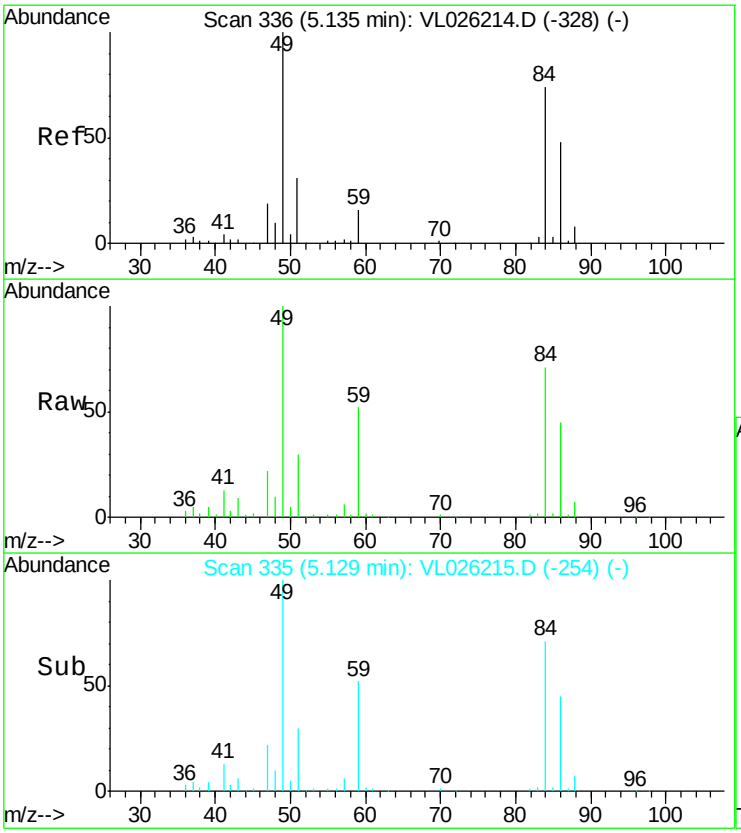
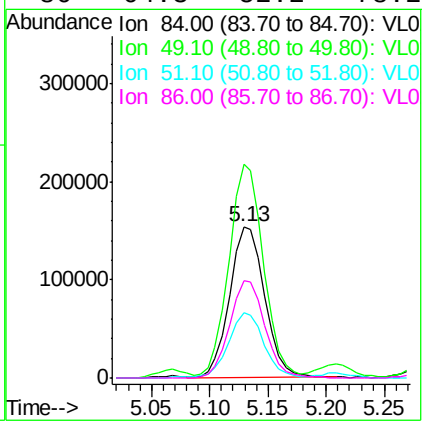
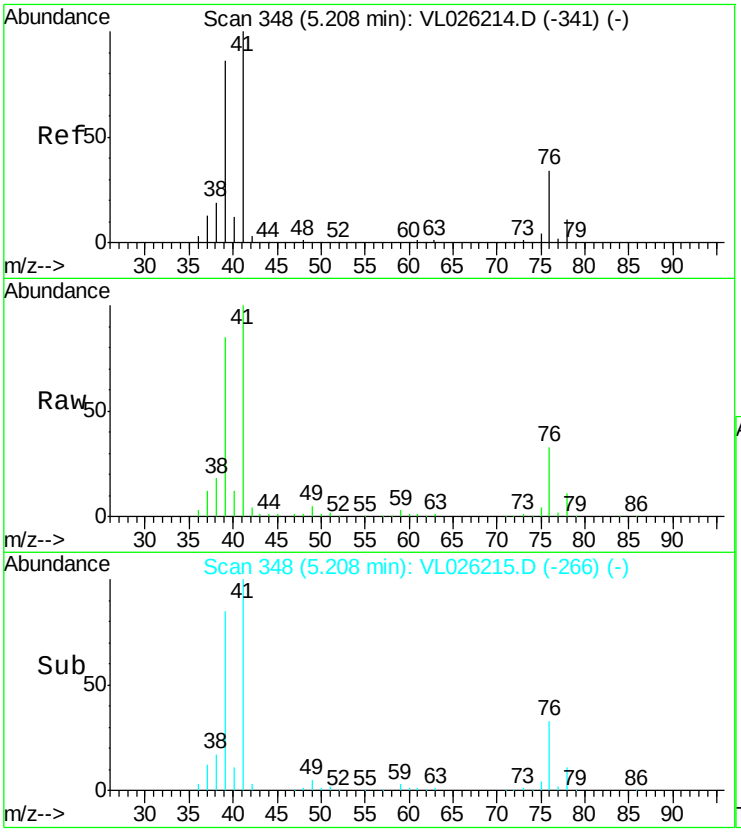



#20
Methylene Chloride
Concen: 10.29 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 84 Resp: 321592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.9 | 108.7 | 163.1 |
| 51 | 42.7 | 33.7 | 50.5 |
| 86 | 64.3 | 52.2 | 78.2 |

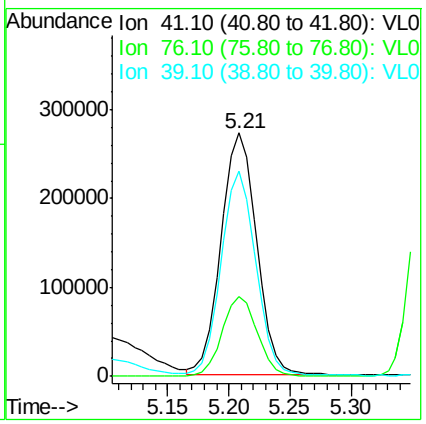





#21
Allvl Chloride
Concen: 10.74 ppbv
RT: 5.21 min Scan# 348
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 41 Resp: 549155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 32.8 | 26.6 | 39.8 |
| 39 | 82.8 | 67.4 | 101.2 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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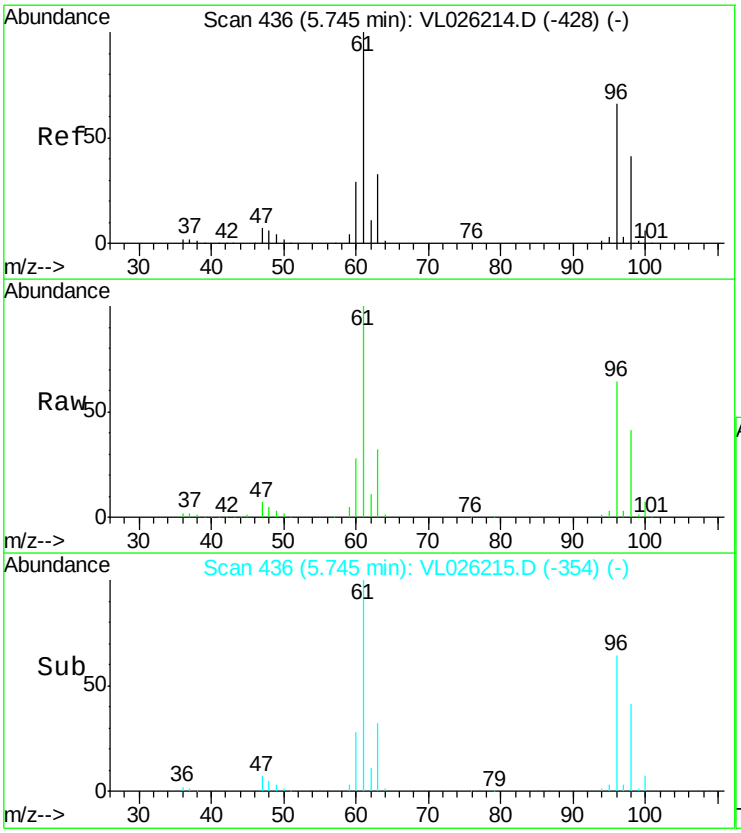
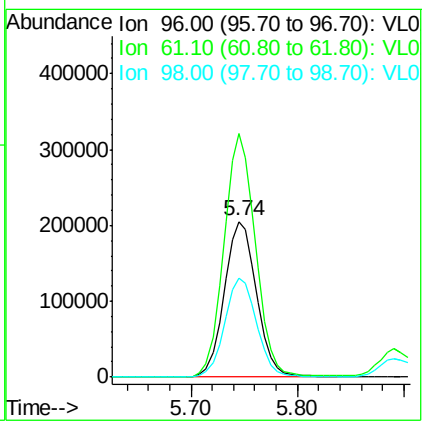
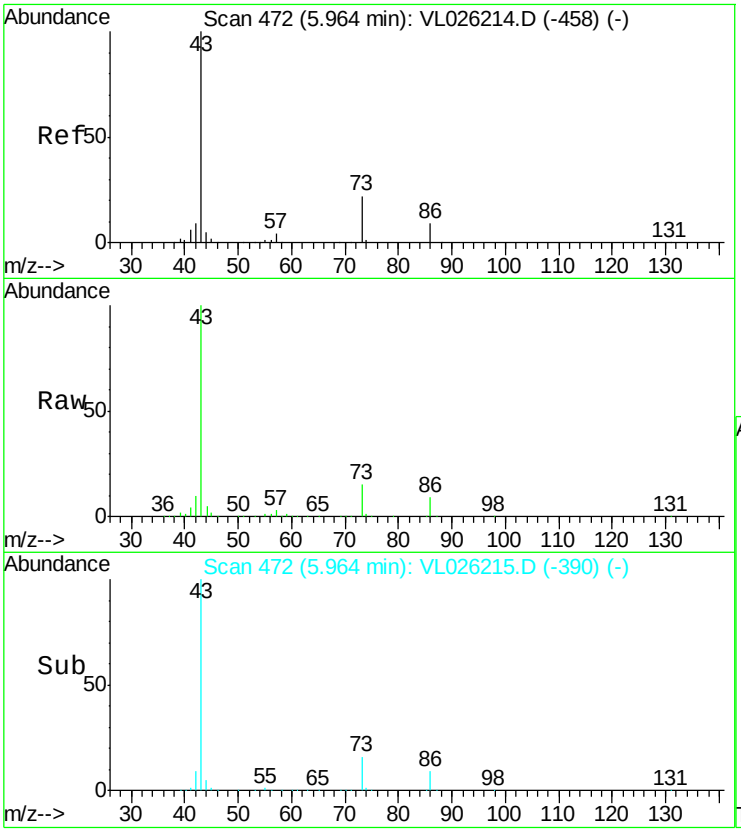



#22
trans-1,2-Dichloroethene
Concen: 10.11 ppbv
RT: 5.74 min Scan# 436
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 96 Resp: 434595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.7 | 121.5 | 182.3 |
| 98 | 63.8 | 49.7 | 74.5 |

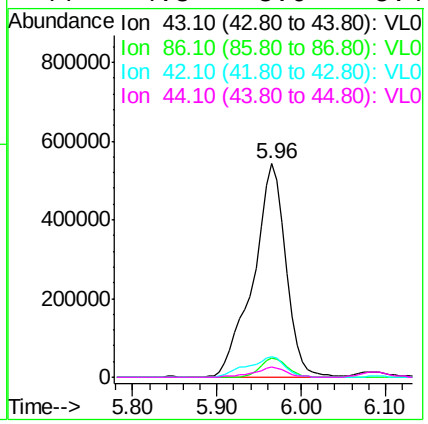





#23
Vinyl Acetate
Concen: 9.94 ppbv
RT: 5.96 min Scan# 472
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 1435153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.0 | 7.0 | 10.6 |
| 42 | 9.5 | 7.5 | 11.3 |
| 44 | 4.8 | 3.6 | 5.4 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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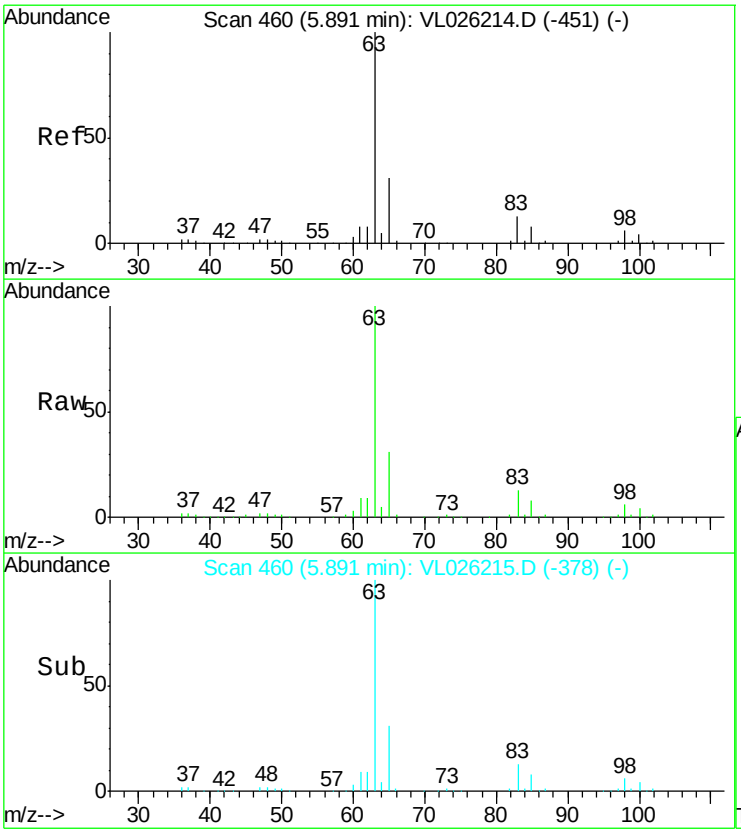
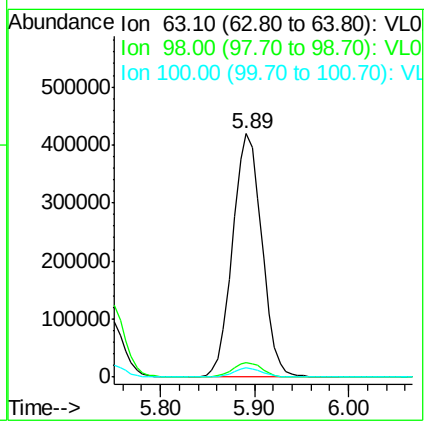
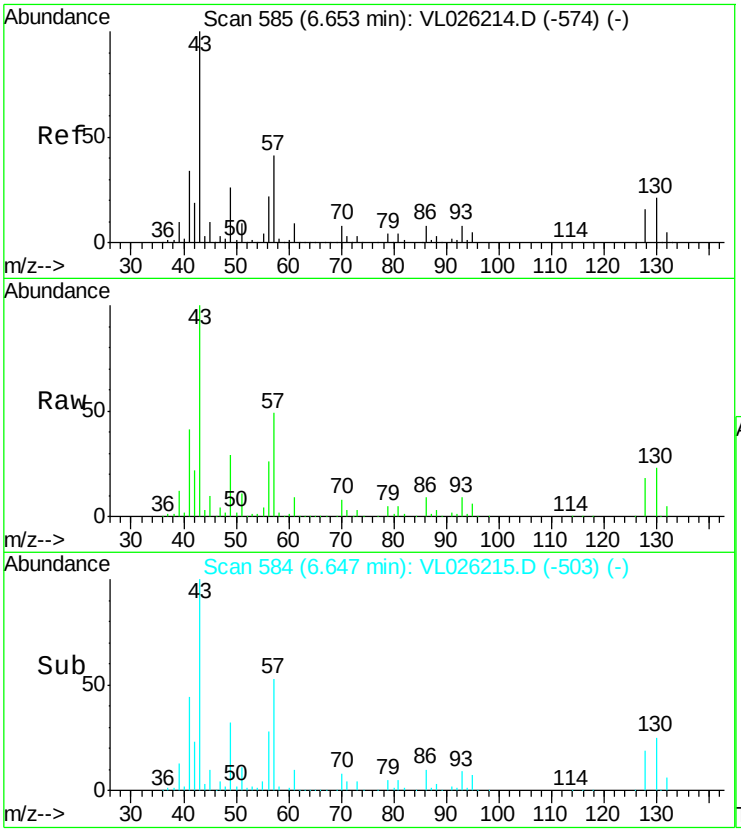



#24
1,1-Dichloroethane
Concen: 9.94 ppbv
RT: 5.89 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 63 Resp: 905245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.0 | 2.9 | 8.8 |
| 100 | 3.7 | 1.8 | 5.5 |

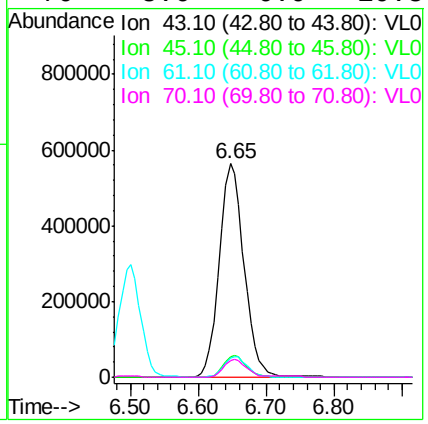





#25
Ethyl Acetate
Concen: 9.68 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 1420550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.6 | 7.7 | 11.5 |
| 61 | 9.4 | 7.5 | 11.3 |
| 70 | 8.6 | 6.9 | 10.3 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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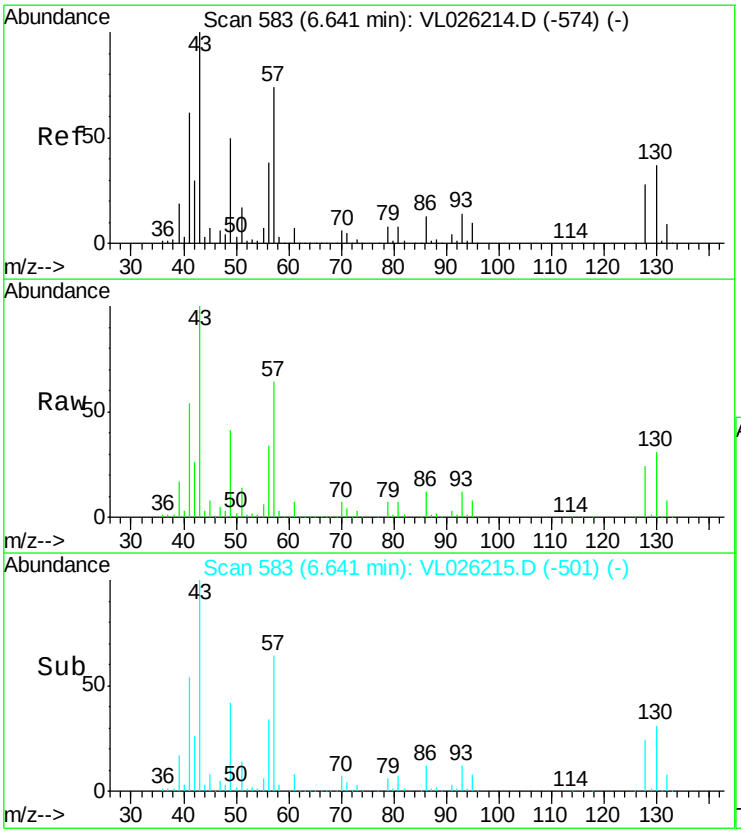
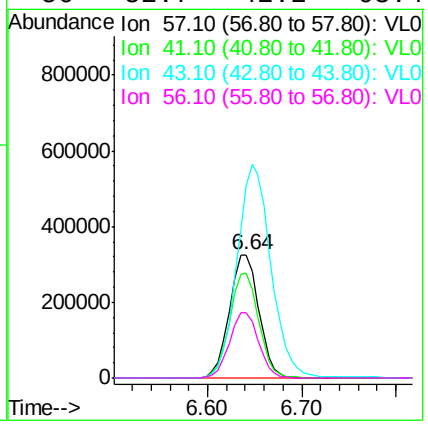
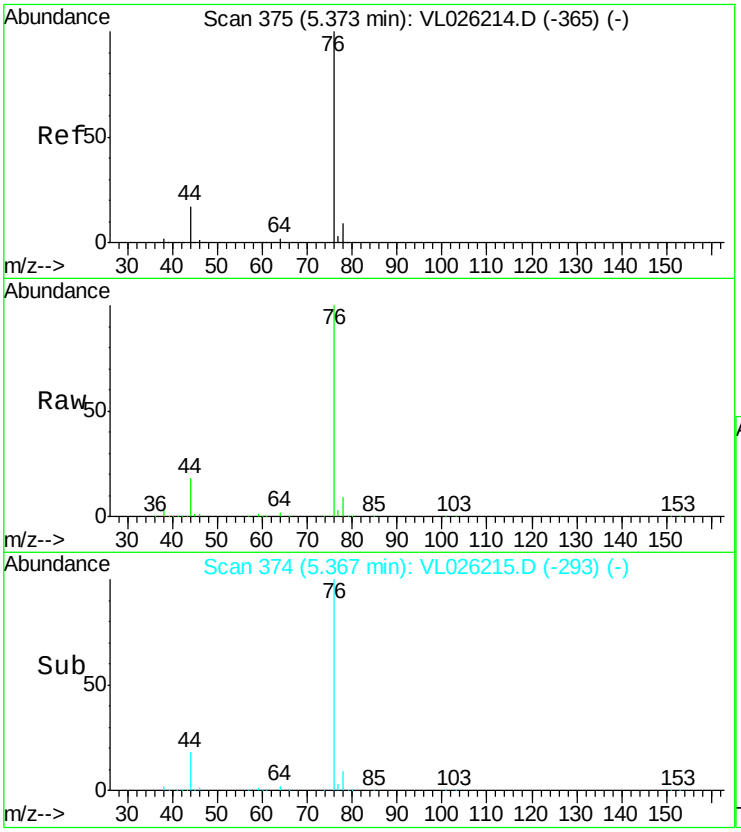



#26
Hexane
Concen: 9.60 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 57 Resp: 704334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 85.4 | 68.1 | 102.1 |
| 43 | 202.6 | 163.4 | 245.2 |
| 56 | 52.7 | 42.2 | 63.4 |

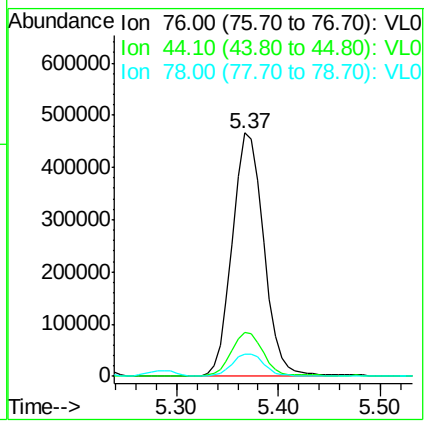





#27
Carbon Disulfide
Concen: 10.69 ppbv
RT: 5.37 min Scan# 374
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 76 Resp: 1002340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 19.0 | 14.0 | 21.0 |
| 78 | 9.6 | 7.4 | 11.2 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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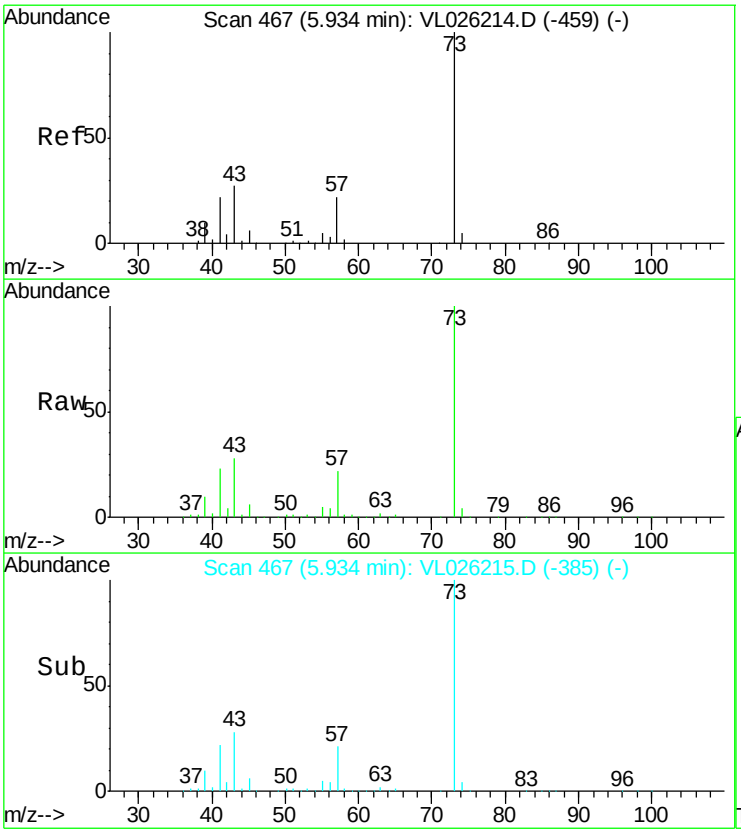
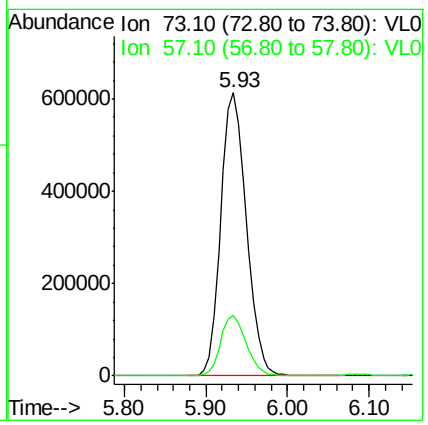
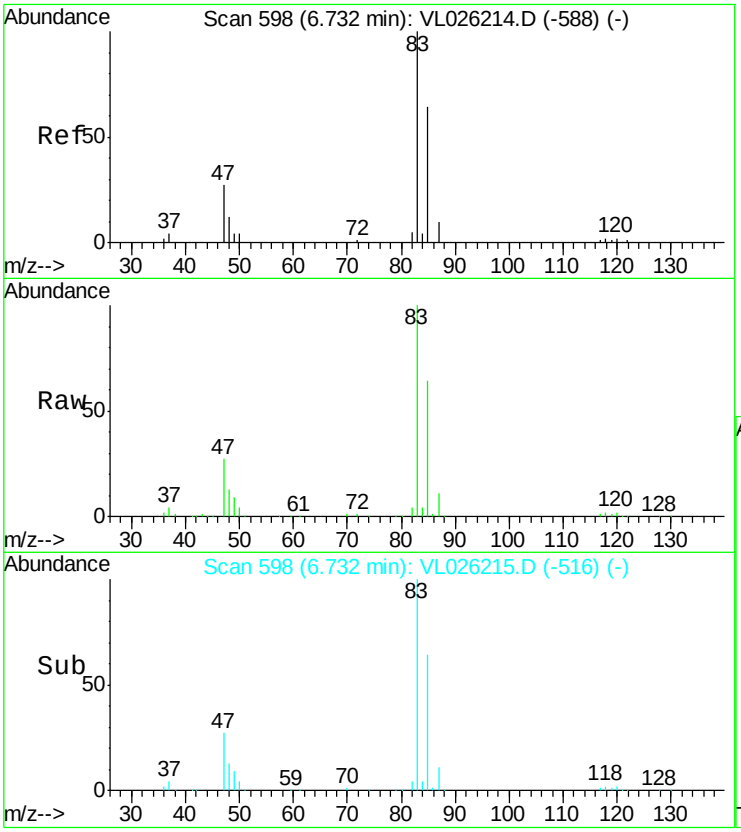



#28
Methyl tert-Butyl Ether
Concen: 10.03 ppbv
RT: 5.93 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 73 Resp: 1337326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.4 | 26.0 |

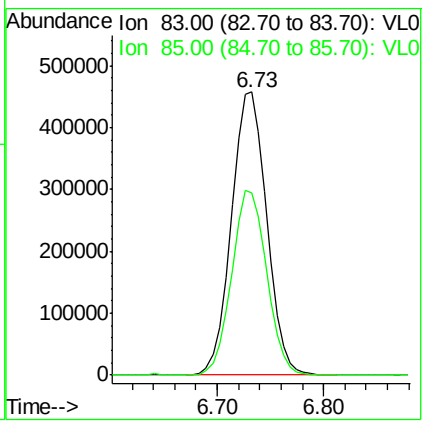





#29
Chloroform
Concen: 10.00 ppbv
RT: 6.73 min Scan# 598
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 83 Resp: 1064851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.5 | 77.3 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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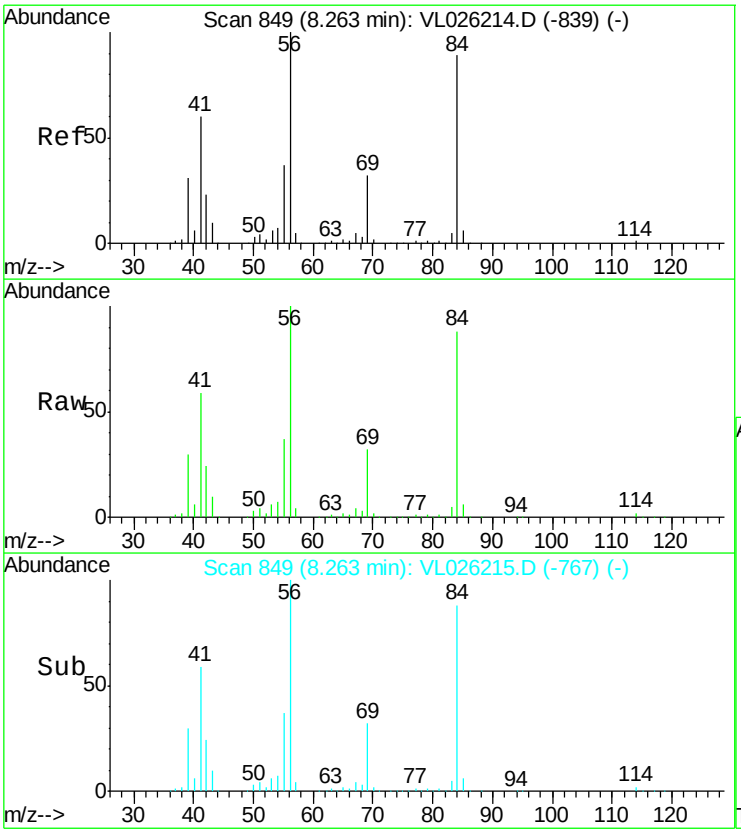
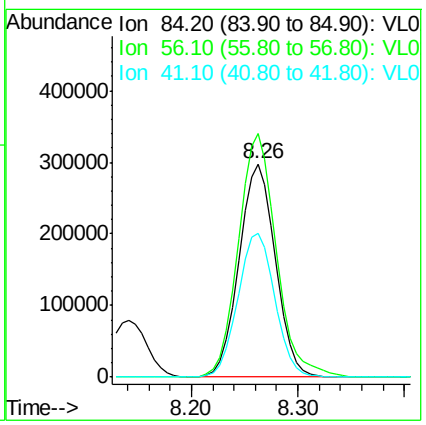
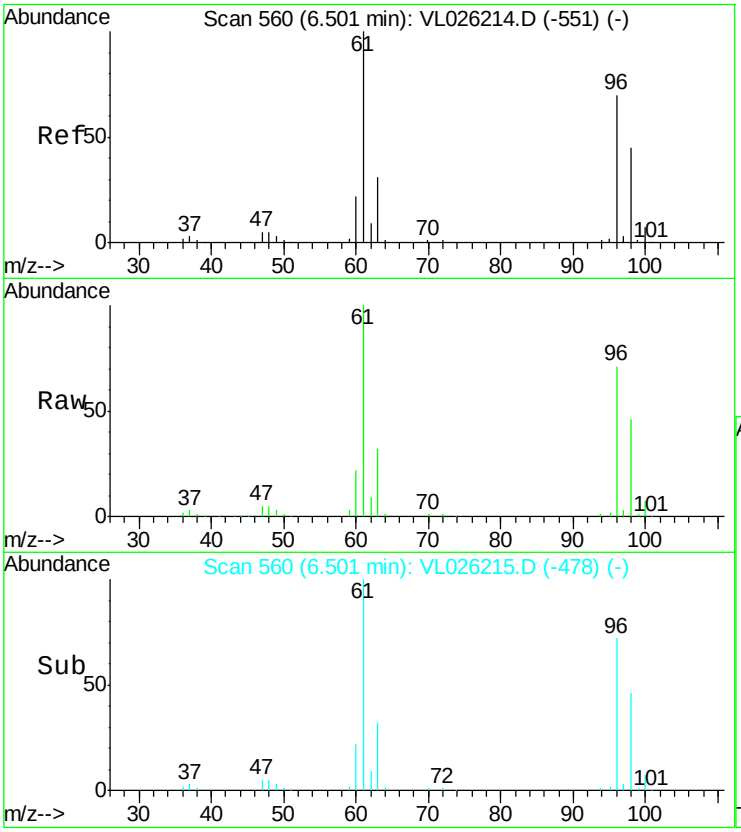



#30
Cyclohexane
Concen: 9.70 ppbv
RT: 8.26 min Scan# 849
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 84 Resp: 712019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 119.6 | 95.9 | 143.9 |
| 41 | 68.8 | 54.8 | 82.2 |

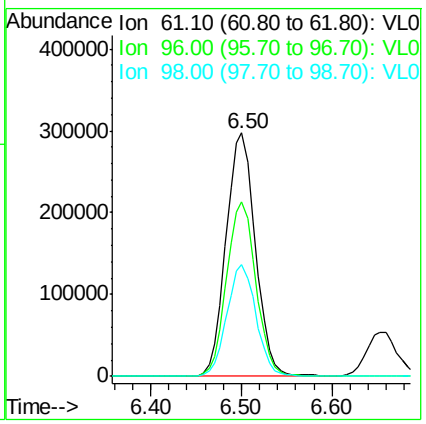





#31
cis-1,2-Dichloroethene
Concen: 10.04 ppbv
RT: 6.50 min Scan# 560
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 61 Resp: 668614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 71.4 | 56.0 | 84.0 |
| 98 | 46.1 | 36.1 | 54.1 |




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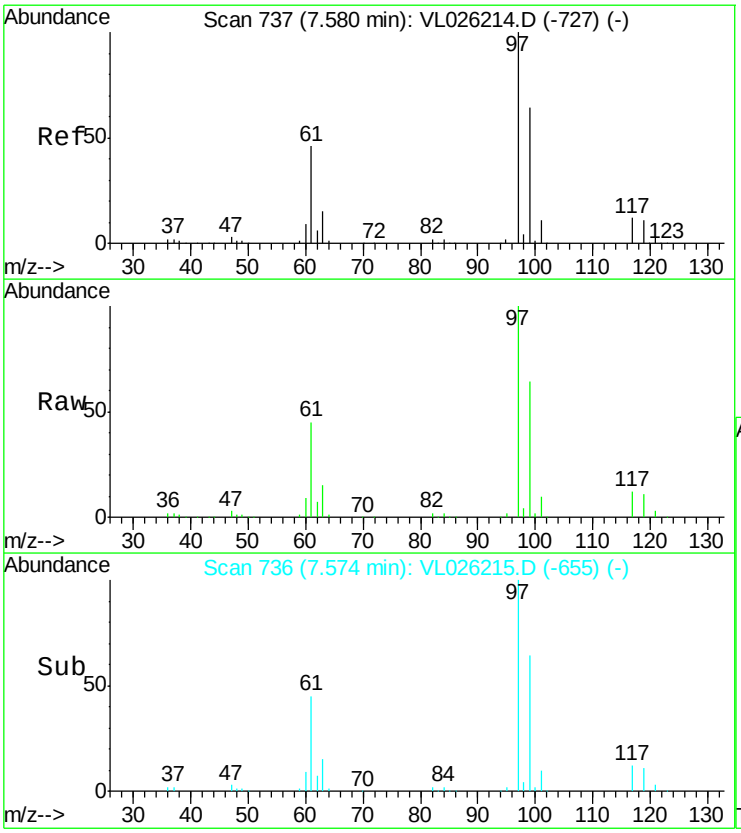
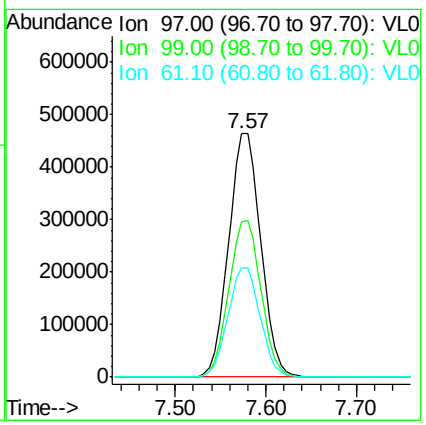
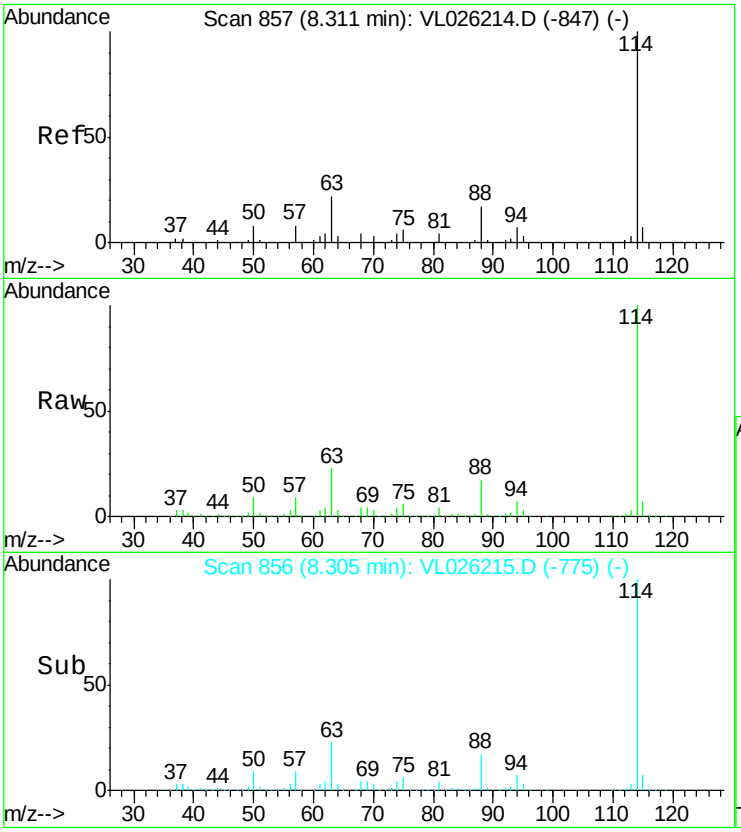



#32
1,1,1-Trichloroethane
Concen: 9.68 ppbv
RT: 7.57 min Scan# 736
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 97 Resp: 1142742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.4 | 77.0 |
| 61 | 45.1 | 36.2 | 54.4 |

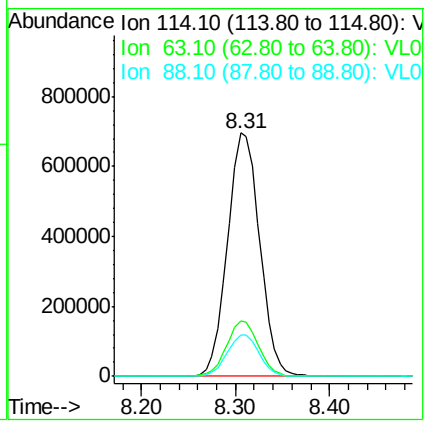





#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.31 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:114 Resp: 1659053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.7 | 18.2 | 27.4 |
| 88 | 17.0 | 13.5 | 20.3 |




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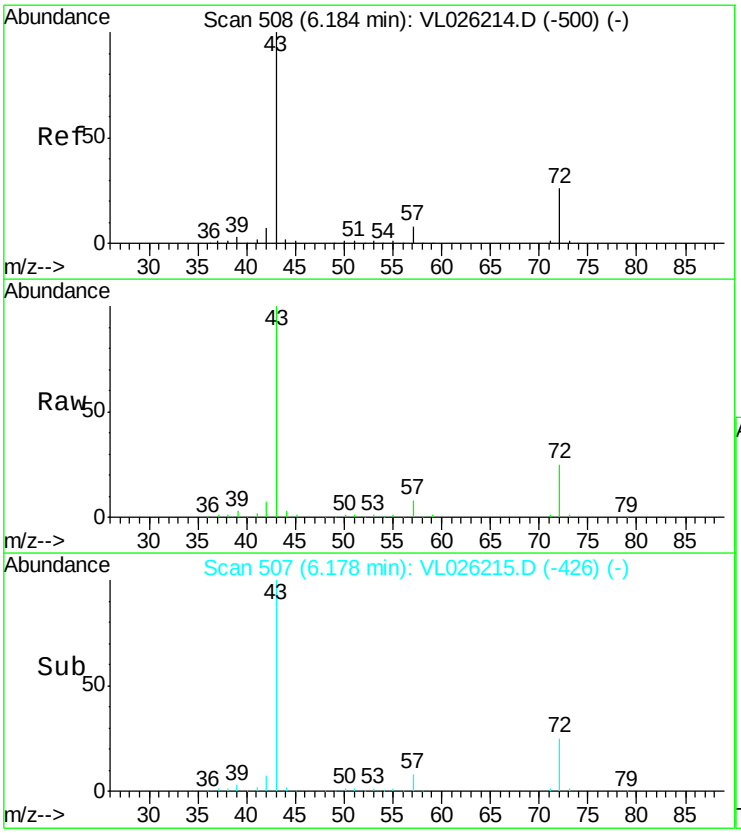
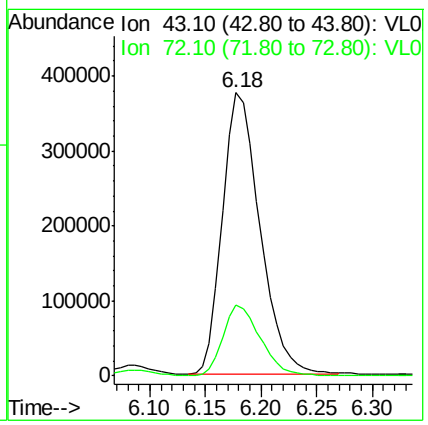
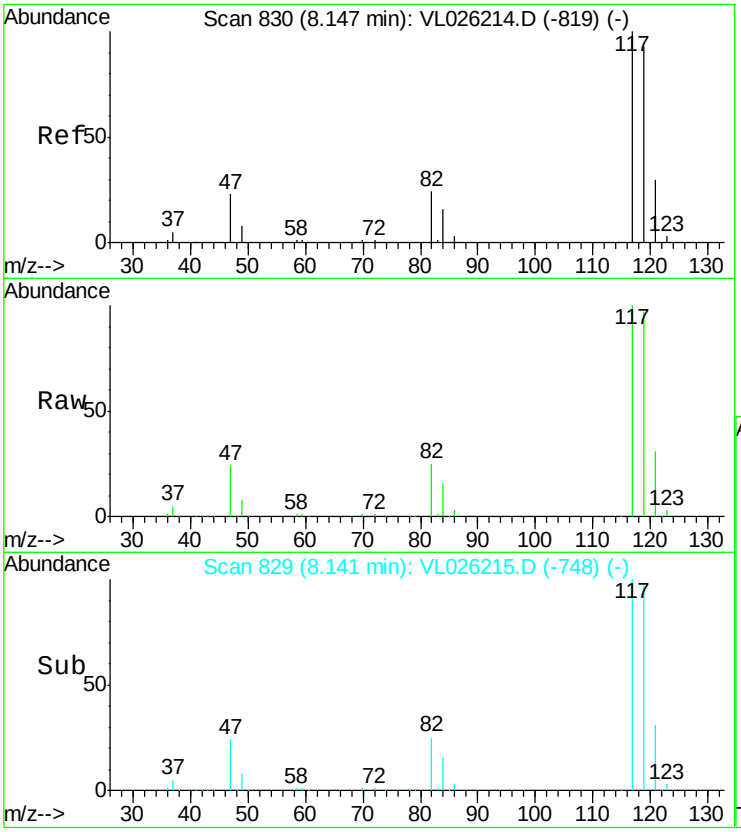



#34
2-Butanone
Concen: 9.36 ppbv
RT: 6.18 min Scan# 507
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 877354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.4 | 20.1 | 30.1 |

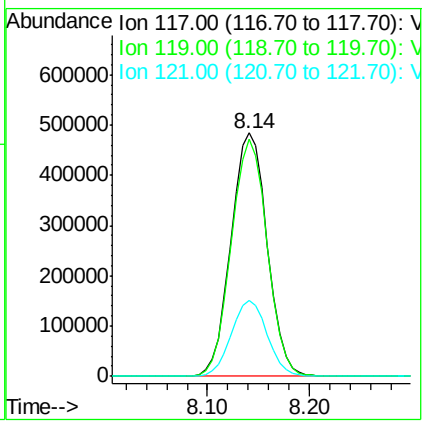





#35
Carbon Tetrachloride
Concen: 9.43 ppbv
RT: 8.14 min Scan# 829
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:117 Resp: 1191423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.4 | 74.6 | 111.8 |
| 121 | 31.0 | 24.2 | 36.2 |




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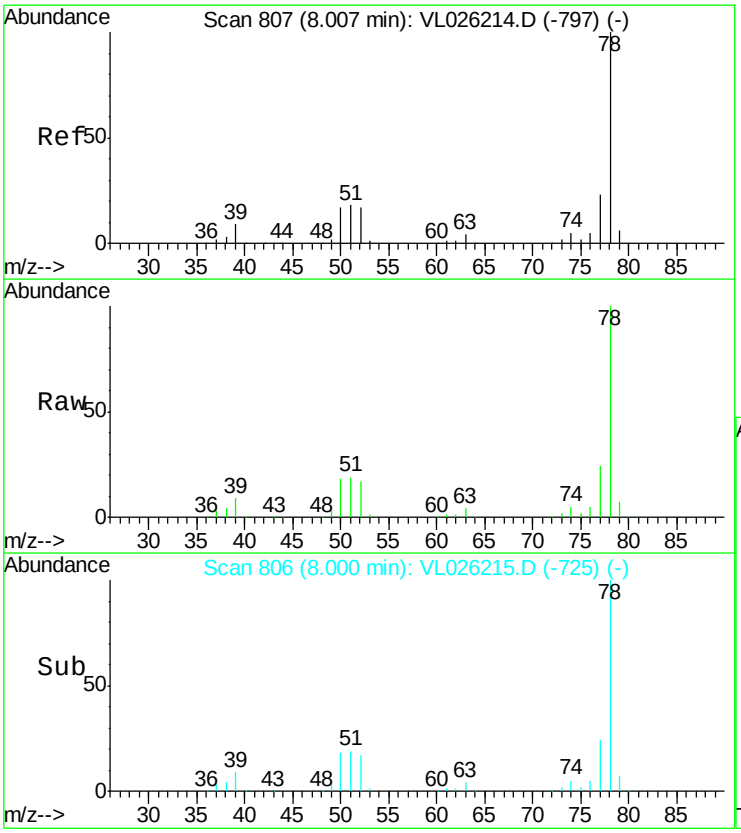
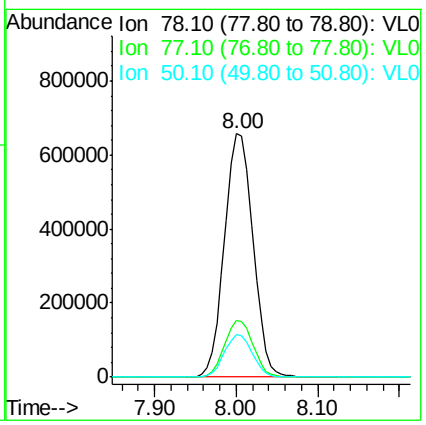
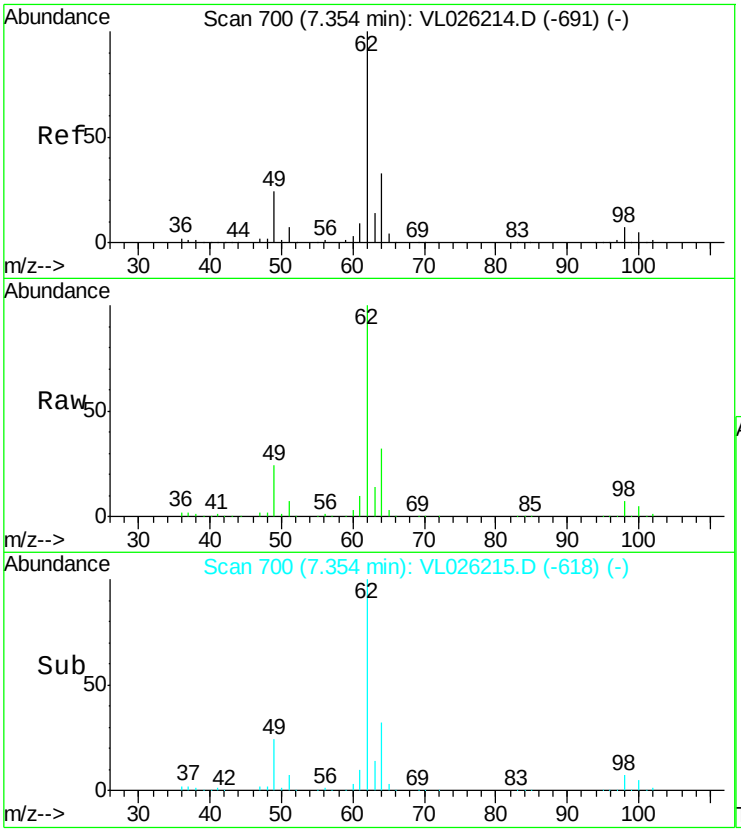



#36
Benzene
Concen: 9.44 ppbv
RT: 8.00 min Scan# 806
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 78 Resp: 1594133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.1 | 27.1 |
| 50 | 17.7 | 13.8 | 20.8 |

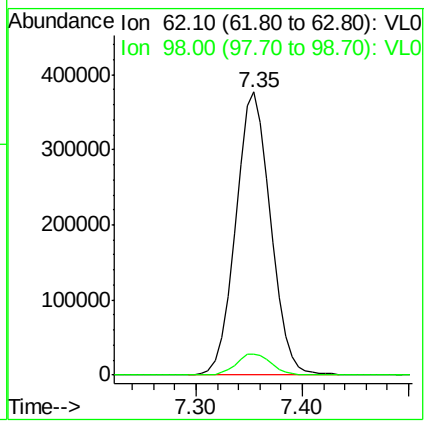





#37
1,2-Dichloroethane
Concen: 9.97 ppbv
RT: 7.35 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 62 Resp: 866175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.7 | 6.1 | 9.1 |




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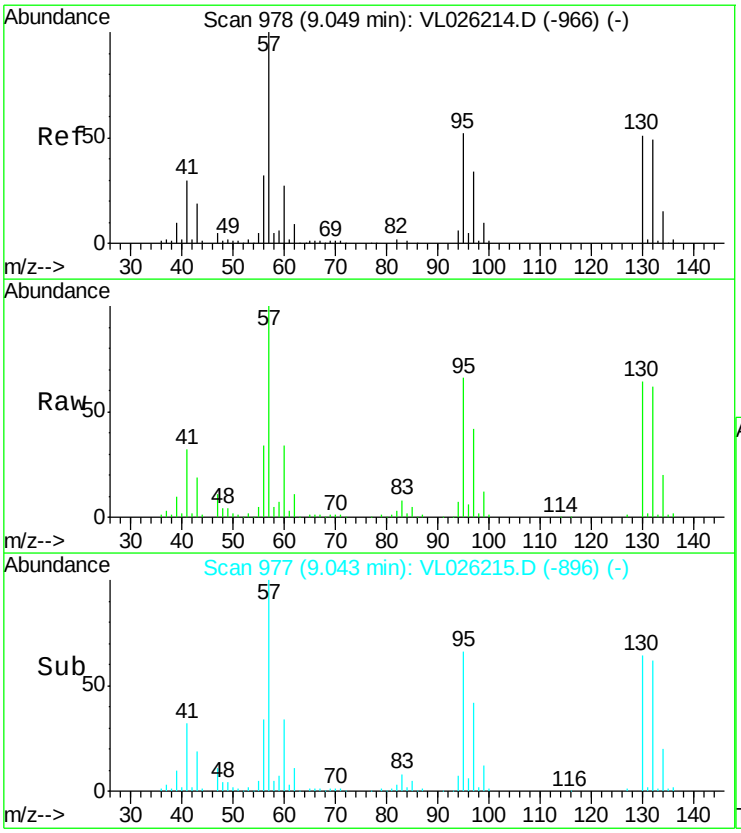
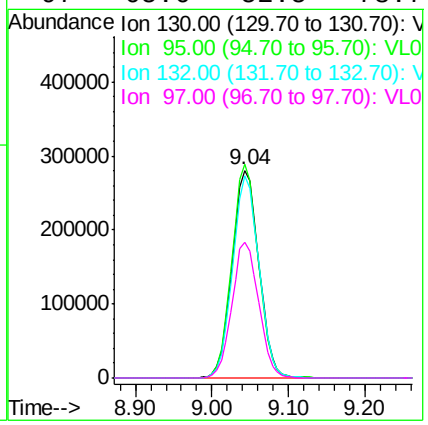
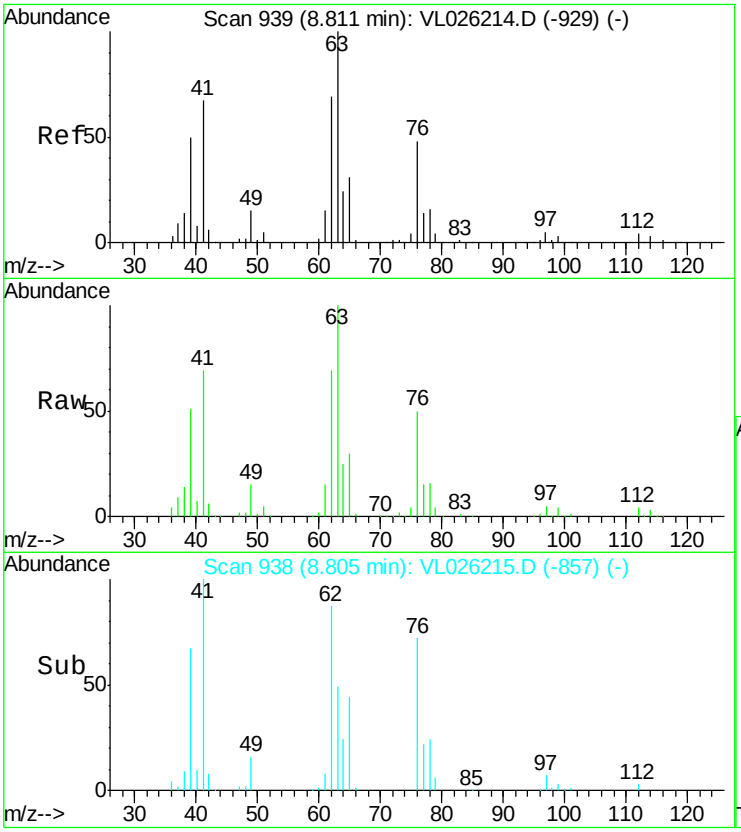



#38
Trichloroethene
Concen: 8.30 ppbv
RT: 9.04 min Scan# 977
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:130 Resp: 680557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.0 | 81.0 | 121.4 |
| 132 | 97.5 | 76.5 | 114.7 |
| 97 | 65.6 | 52.5 | 78.7 |

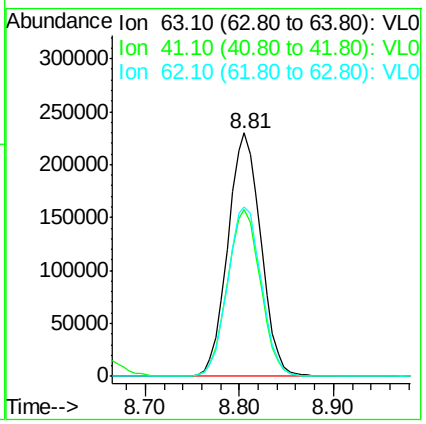





#39
1,2-Dichloropropane
Concen: 9.43 ppbv
RT: 8.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 63 Resp: 560327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 68.3 | 53.2 | 79.8 |
| 62 | 69.5 | 55.4 | 83.2 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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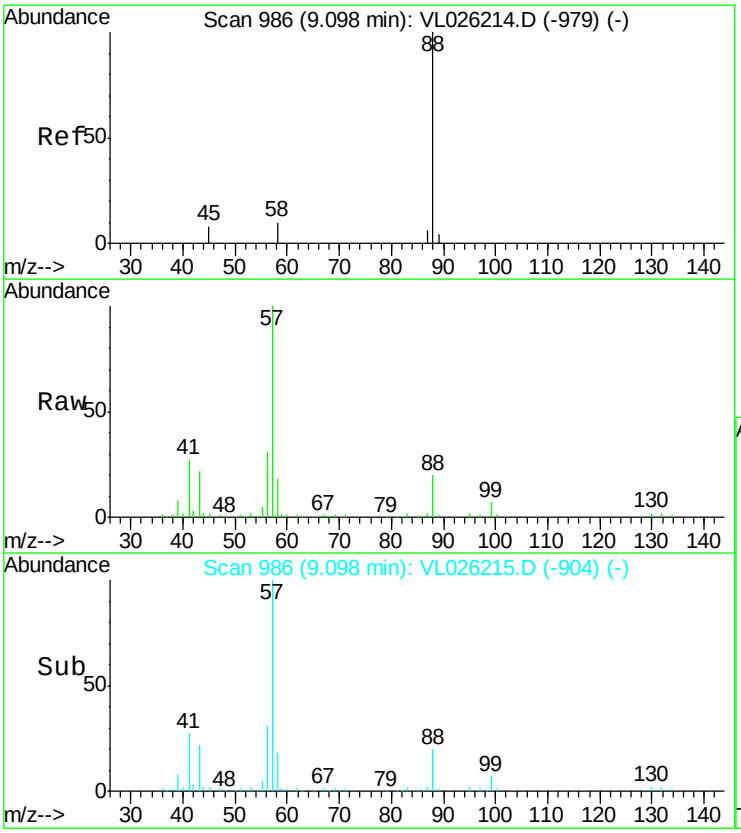
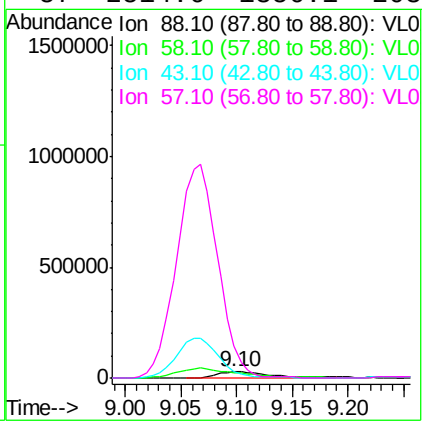
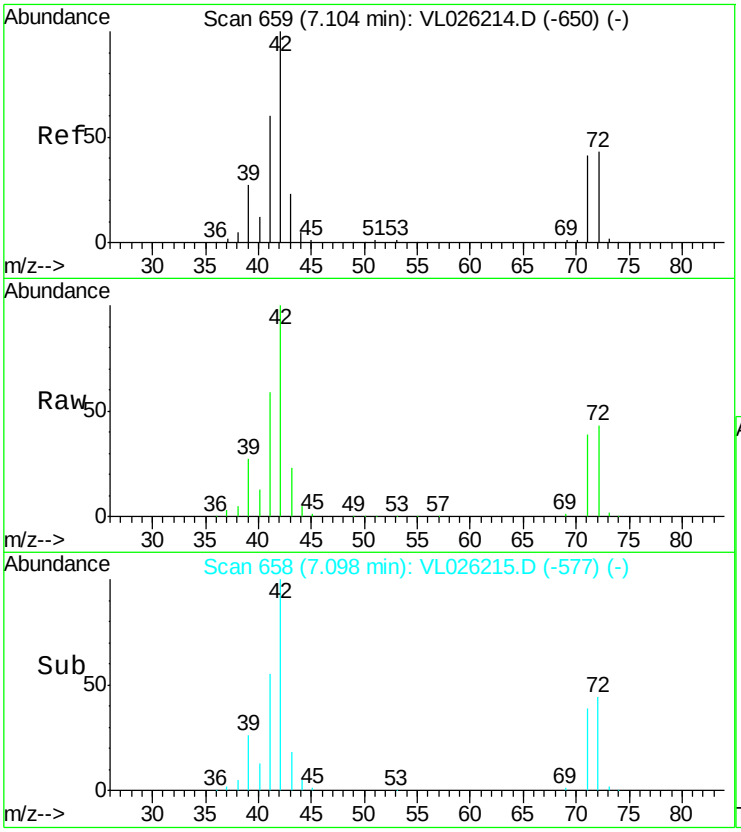



#40
1,4-Dioxane
Concen: 8.94 ppbv
RT: 9.10 min Scan# 986
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 88 Resp: 99837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 181.0 | 115.4 | 173.2# |
| 43 | 495.5 | 272.6 | 409.0# |
| 57 | 2514.6 | 1356.1 | 2034.1# |

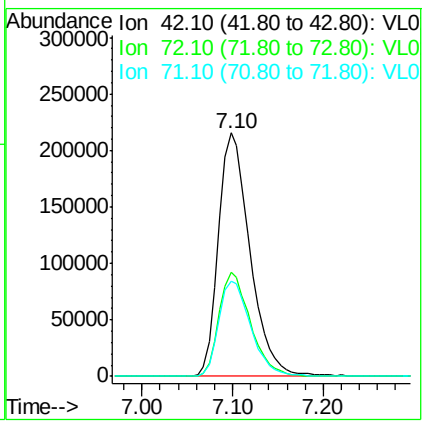





#41
Tetrahydrofuran
Concen: 9.68 ppbv
RT: 7.10 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 42 Resp: 525456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.5 | 34.3 | 51.5 |
| 71 | 39.9 | 32.1 | 48.1 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
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**Manual Integrations APPROVED**
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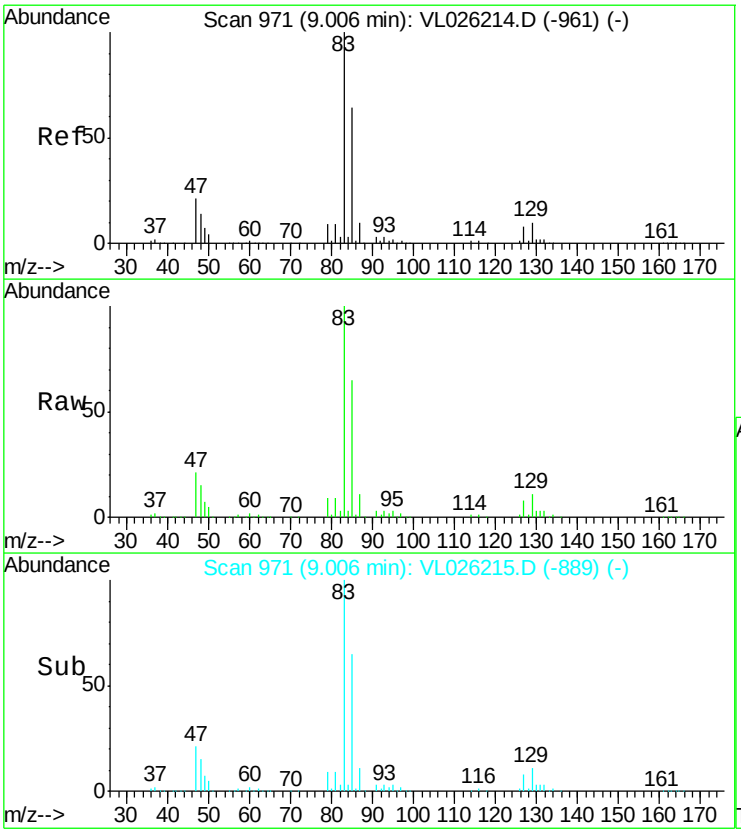
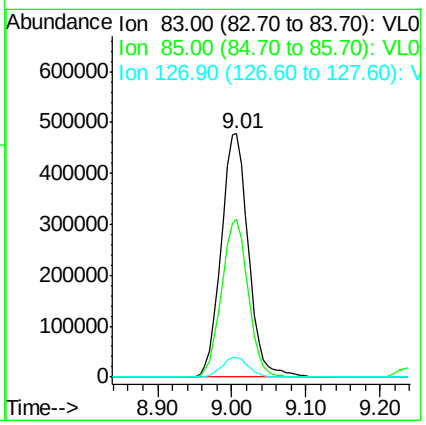
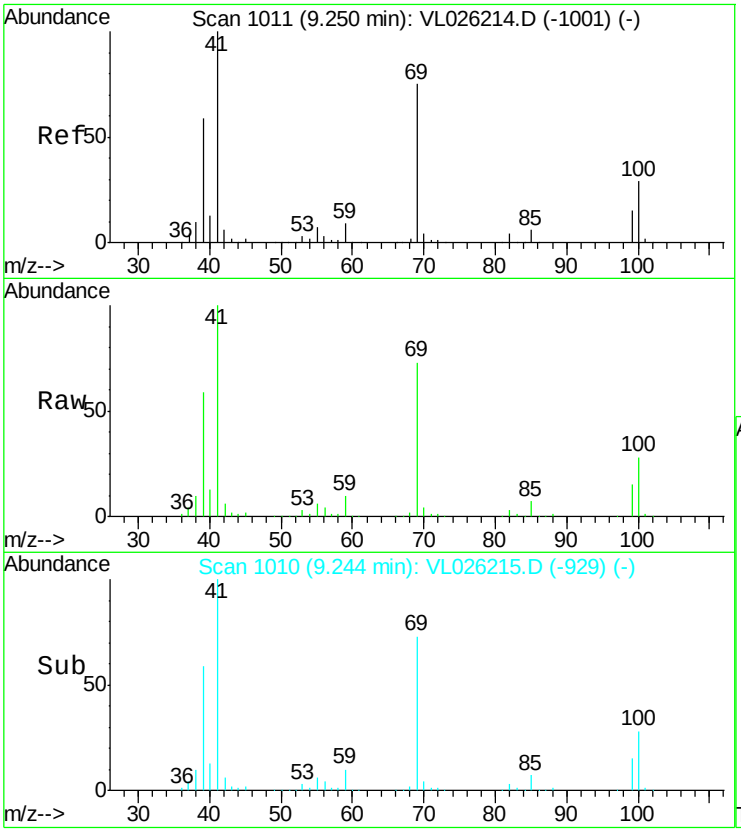



#42
Bromodichloromethane
Concen: 9.78 ppbv
RT: 9.01 min Scan# 971
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 83 Resp: 1221454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 50.9 | 76.3 |
| 127 | 8.0 | 6.2 | 9.4 |

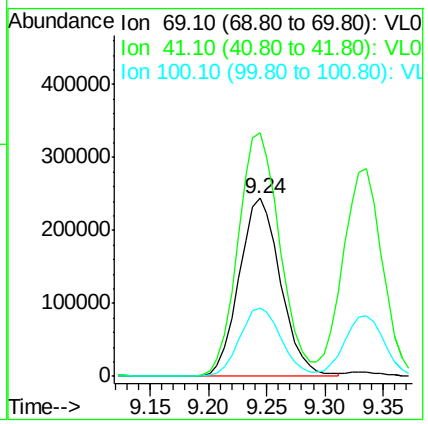





#43
Methyl Methacrylate
Concen: 9.87 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 69 Resp: 606909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 137.9 | 108.4 | 162.6 |
| 100 | 38.8 | 30.6 | 45.8 |

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**ClientSampleId :**
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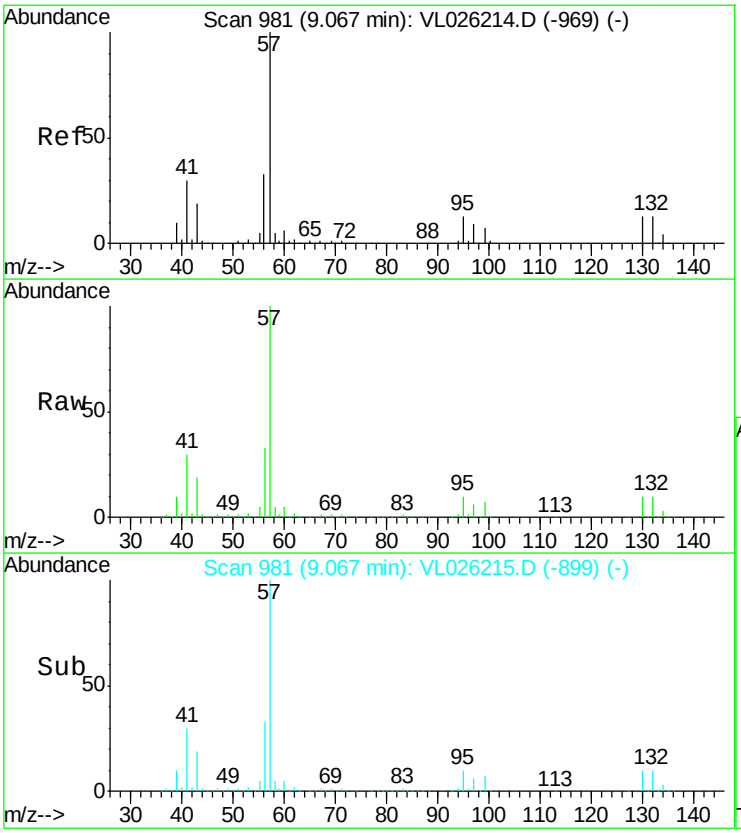
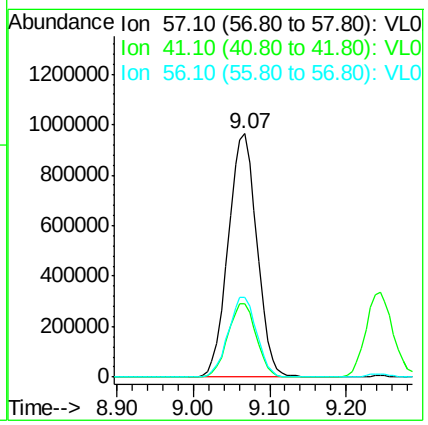
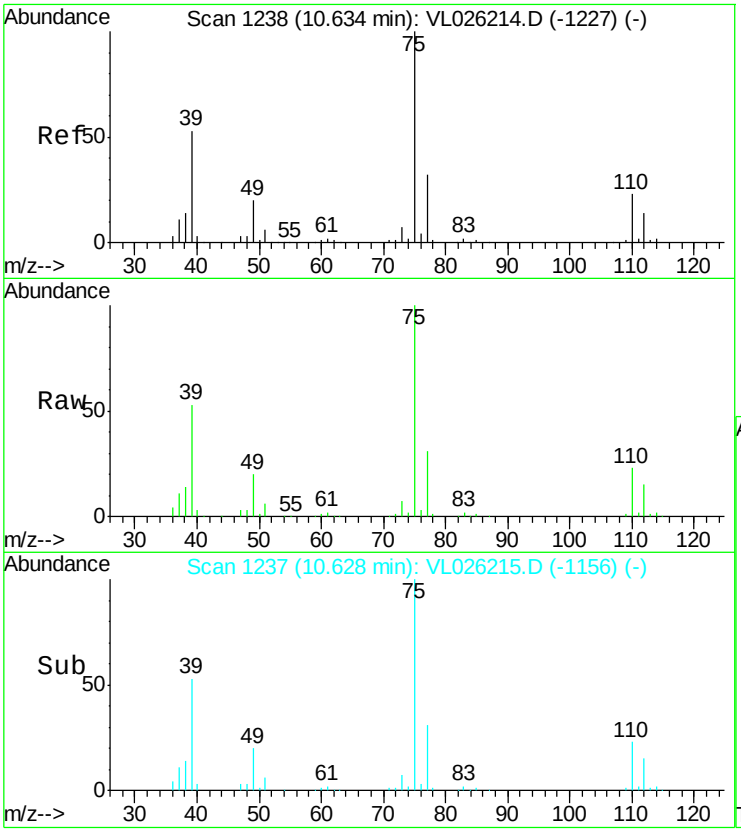



#44
2,2,4-Trimethylpentane
Concen: 9.17 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 57 Resp: 2509803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 29.9 | 23.7 | 35.5 |
| 56 | 32.5 | 25.9 | 38.9 |






#45
t-1,3-Dichloropropene
Concen: 10.17 ppbv
RT: 10.63 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 75 Resp: 976326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.2 | 37.8 |

**Instrument :**
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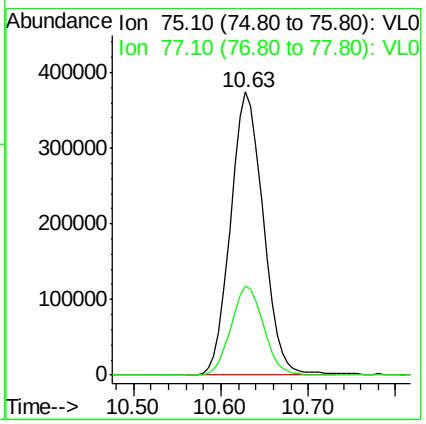
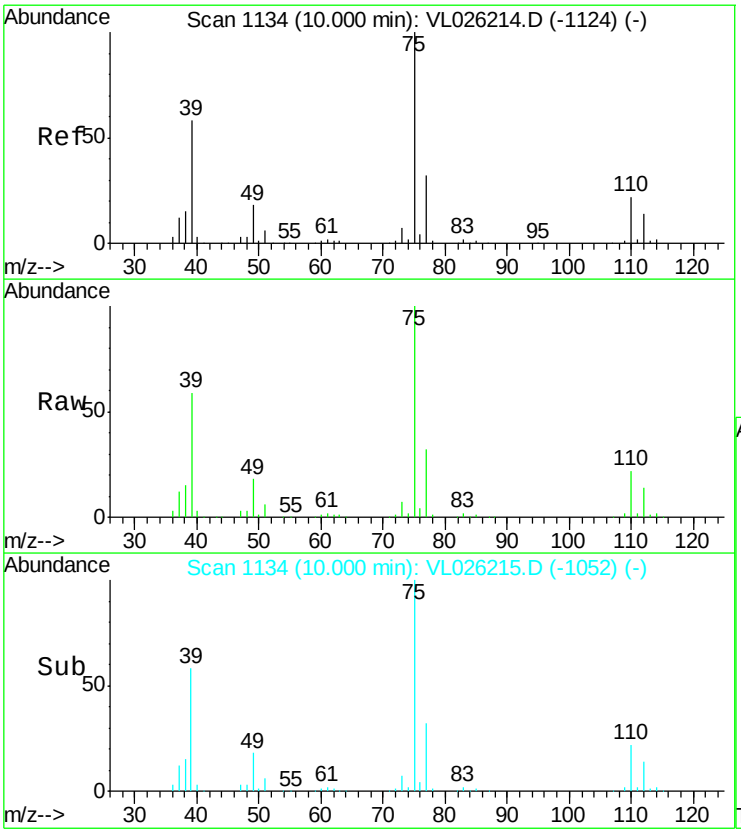
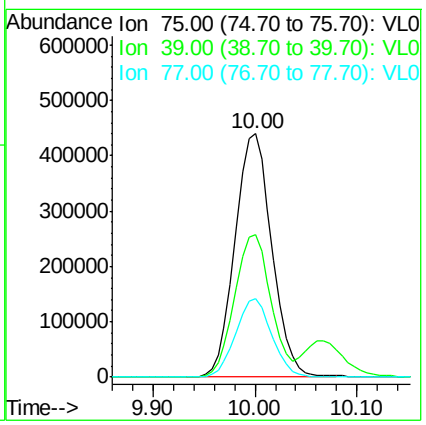


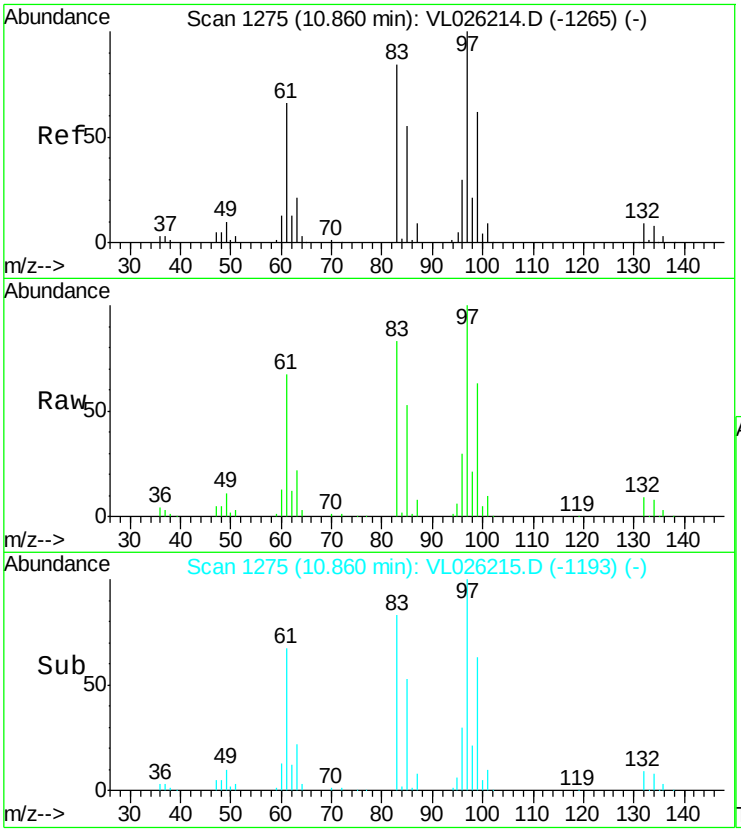




#46
cis-1,3-Dichloropropene
Concen: 9.85 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 75 Resp: 1106158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 58.4 | 46.2 | 69.4 |
| 77 | 32.2 | 25.4 | 38.0 |

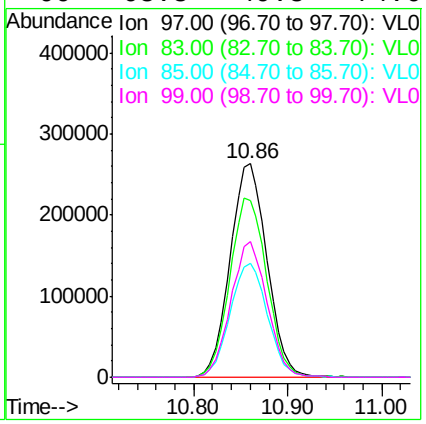





#47
1,1,2-Trichloroethane
Concen: 9.60 ppbv
RT: 10.86 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 97 Resp: 716877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 82.9 | 67.4 | 101.2 |
| 85 | 53.1 | 43.8 | 65.6 |
| 99 | 63.3 | 49.8 | 74.6 |

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**ClientSampleId :**
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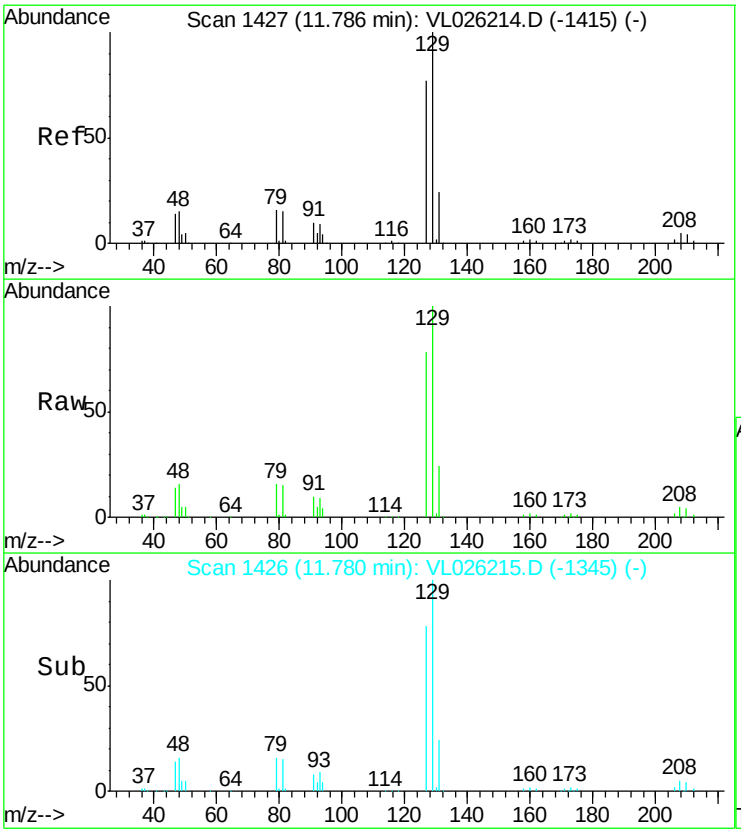
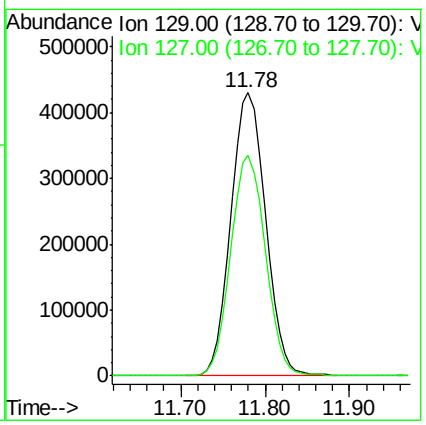
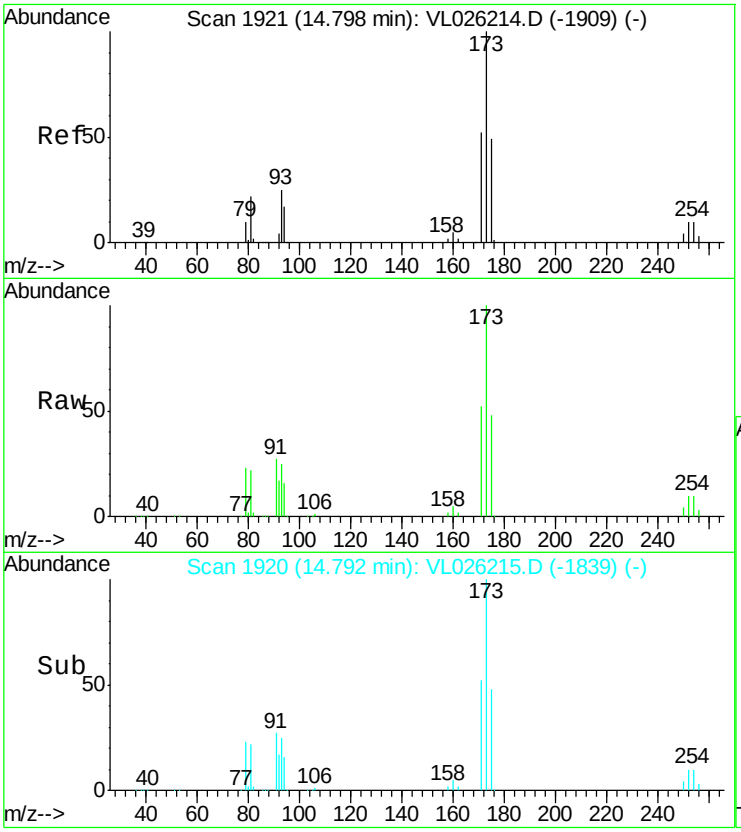



#48
Dibromochloromethane
Concen: 9.90 ppbv
RT: 11.78 min Scan# 1426
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:129 Resp: 1204321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.4 | 39.1 | 117.5 |

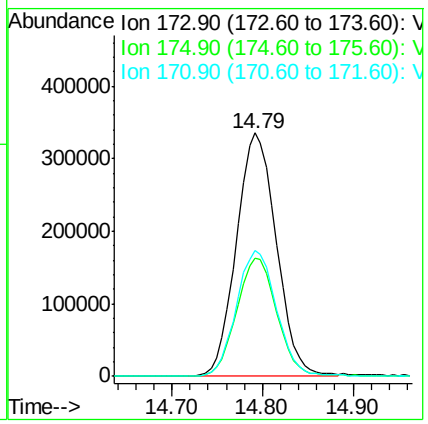





#49
Bromoform
Concen: 9.99 ppbv
RT: 14.79 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:173 Resp: 1026368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.0 | 38.7 | 58.1 |
| 171 | 52.2 | 41.6 | 62.4 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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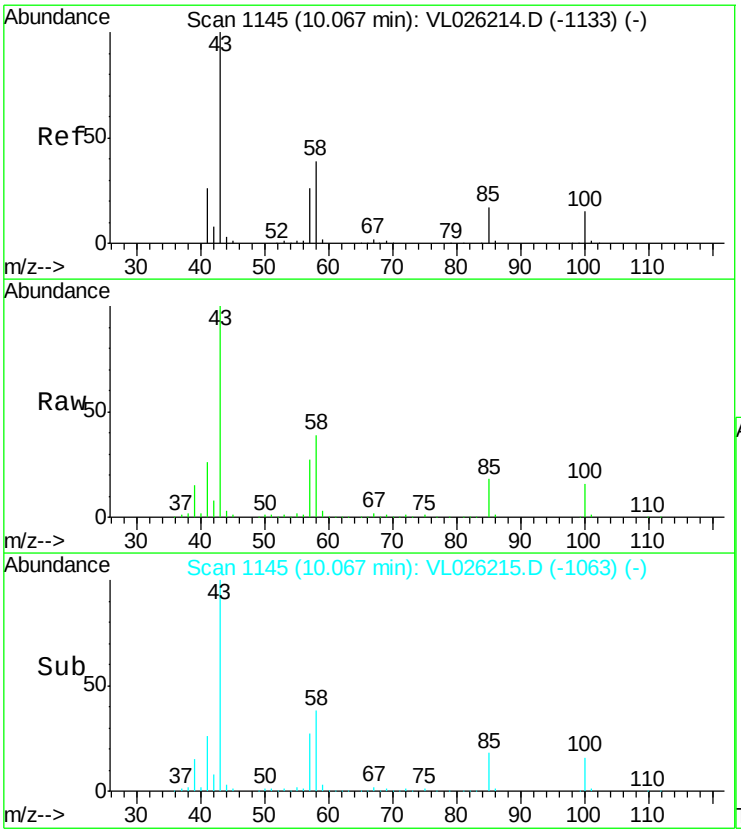
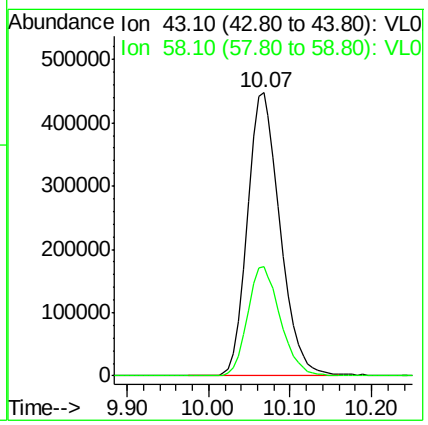
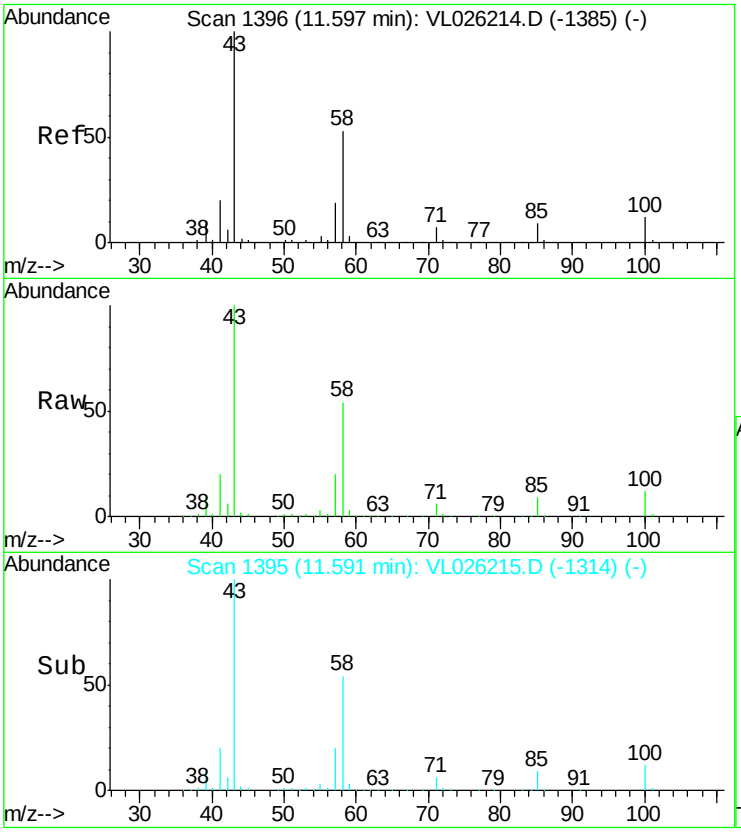



#50
4-Methyl-2-Pentanone
Concen: 9.86 ppbv
RT: 10.07 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 1248078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 31.1 | 46.7 |

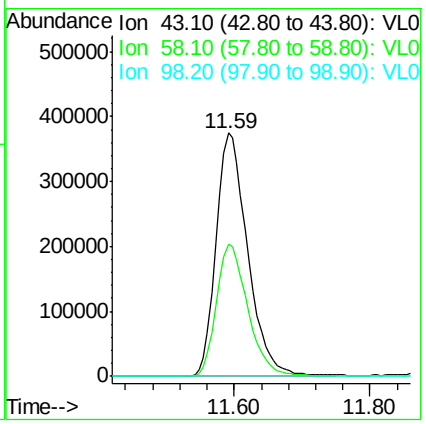





#51
2-Hexanone
Concen: 10.20 ppbv
RT: 11.59 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 43 Resp: 1205614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.1 | 43.2 | 64.8 |
| 98 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
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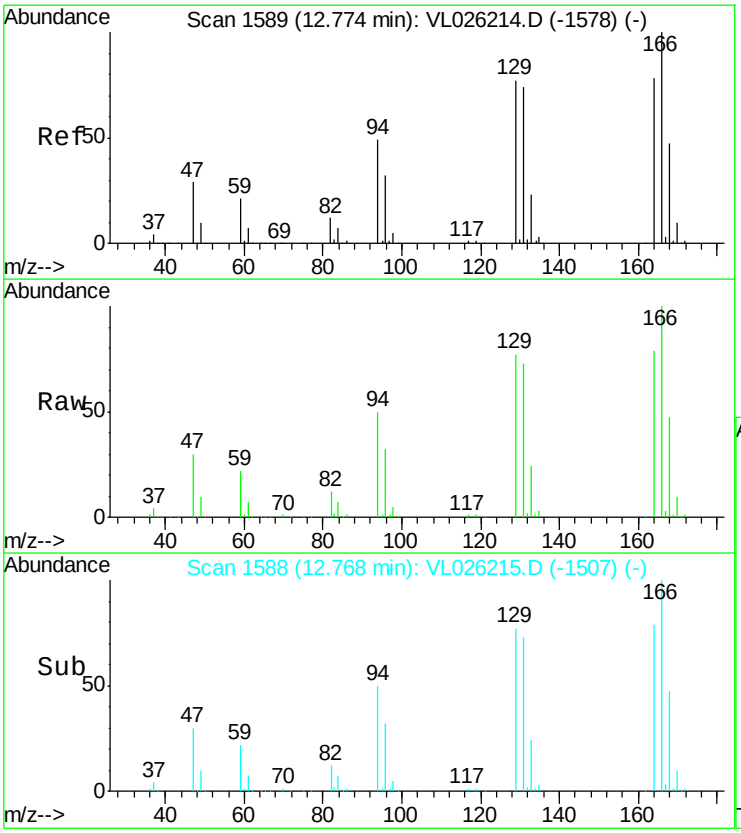
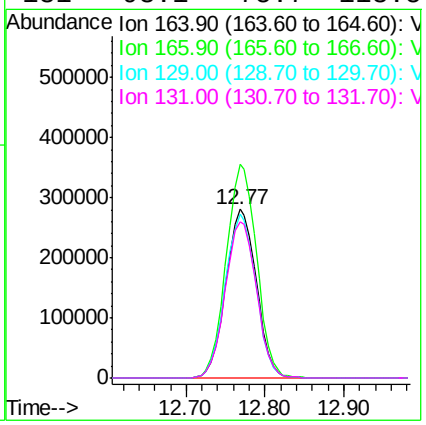
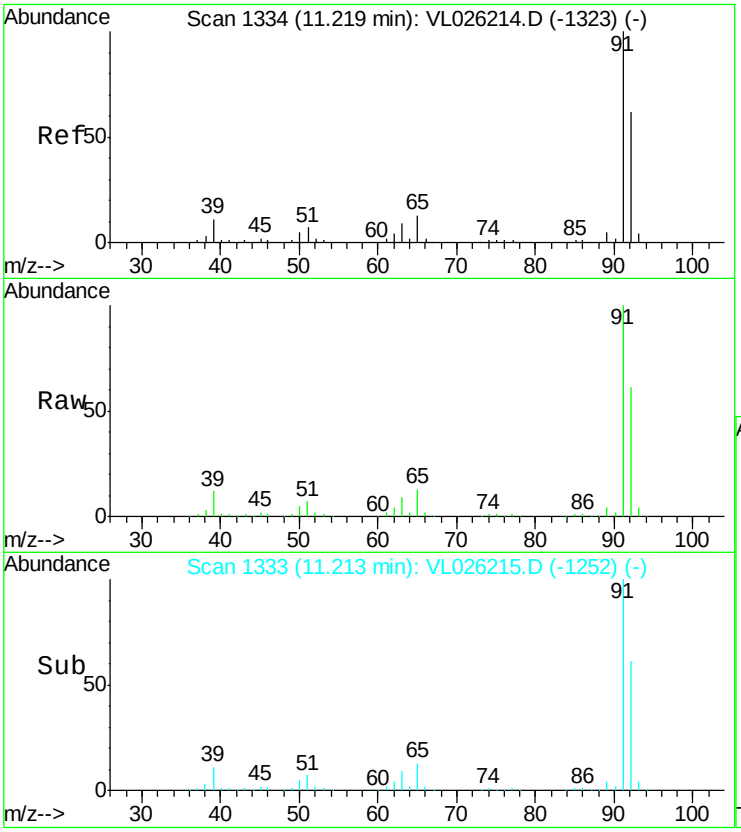



#52
Tetrachloroethene
Concen: 7.78 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:164 Resp: 753814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.8 | 102.3 | 153.5 |
| 129 | 97.2 | 78.2 | 117.4 |
| 131 | 93.1 | 75.7 | 113.5 |

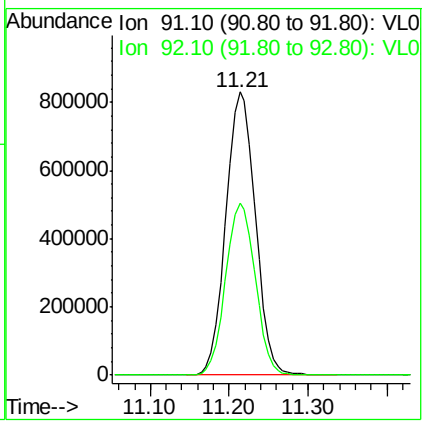





#53
Toluene
Concen: 9.43 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 2167413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 61.1 | 49.2 | 73.8 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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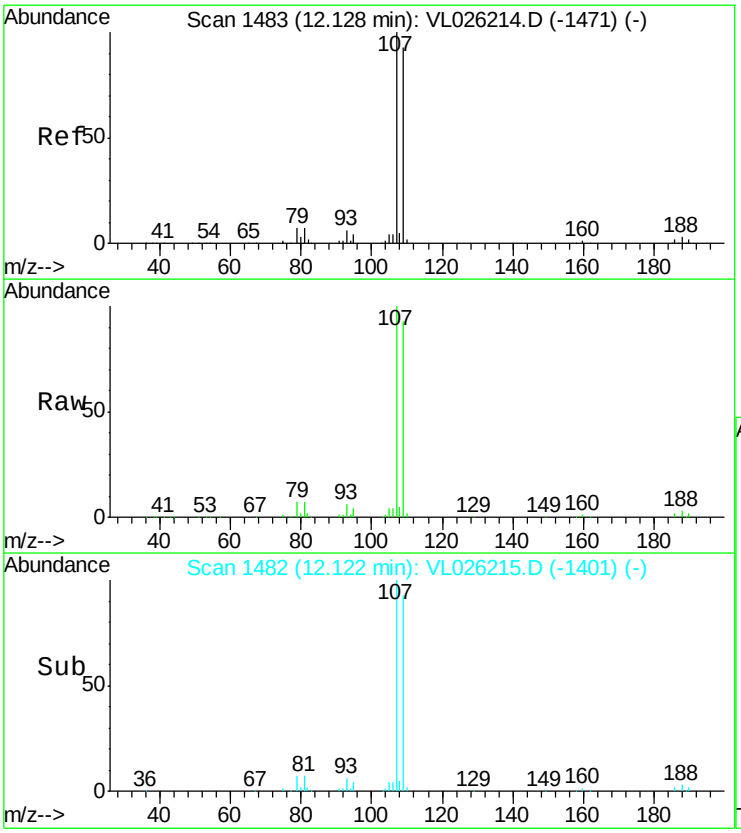
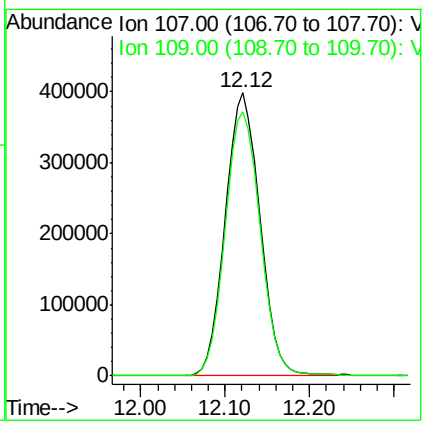
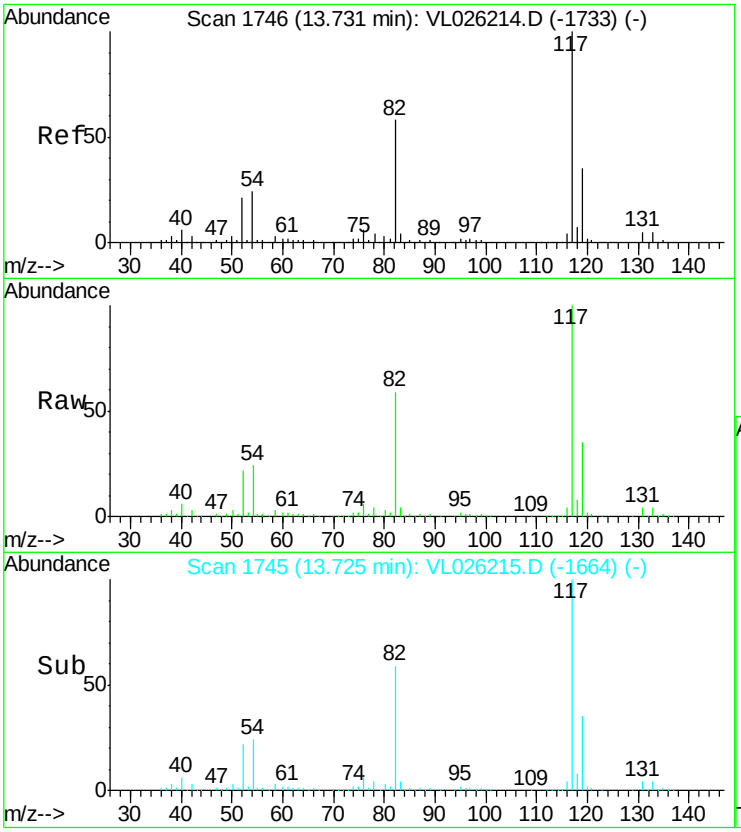



#54
1,2-Dibromoethane
Concen: 9.65 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:107 Resp: 1115417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 74.7 | 112.1 |

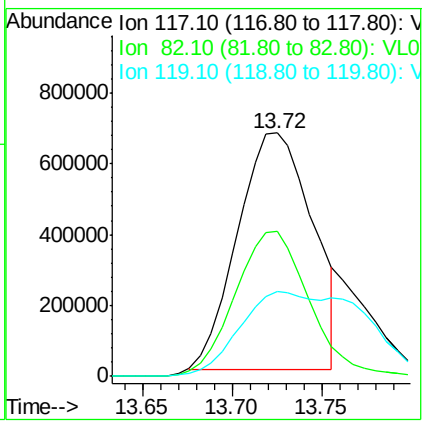





#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.72 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:117 Resp: 1940350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.3 | 45.8 | 68.8 |
| 119 | 60.6 | 45.0 | 67.4 |




**Instrument :**
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**ClientSampleId :**
ICVVL102015

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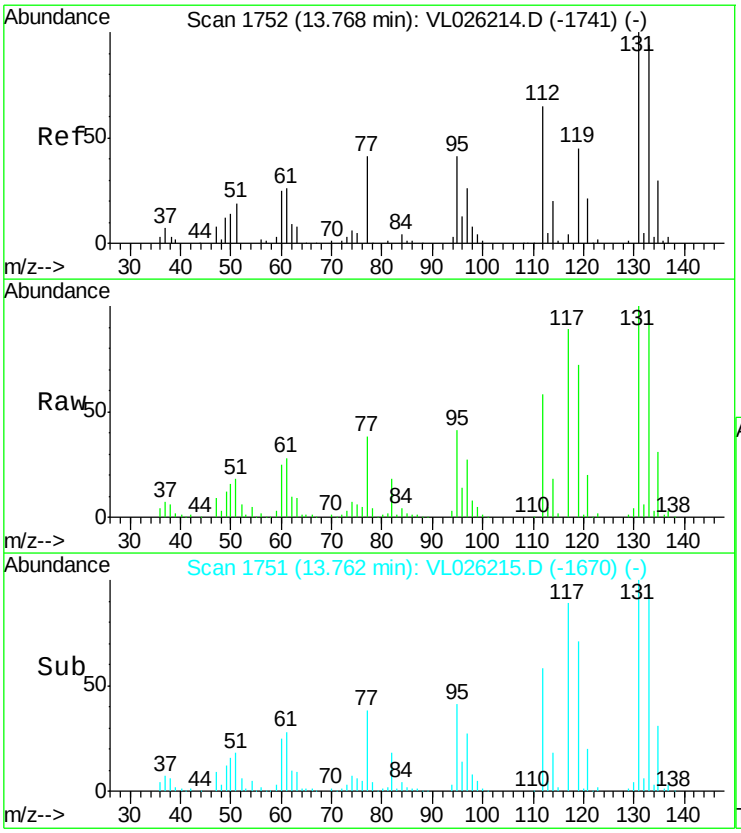
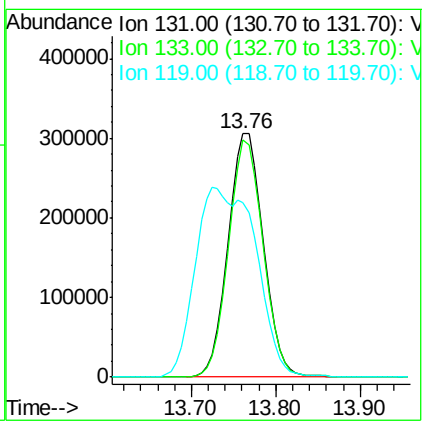
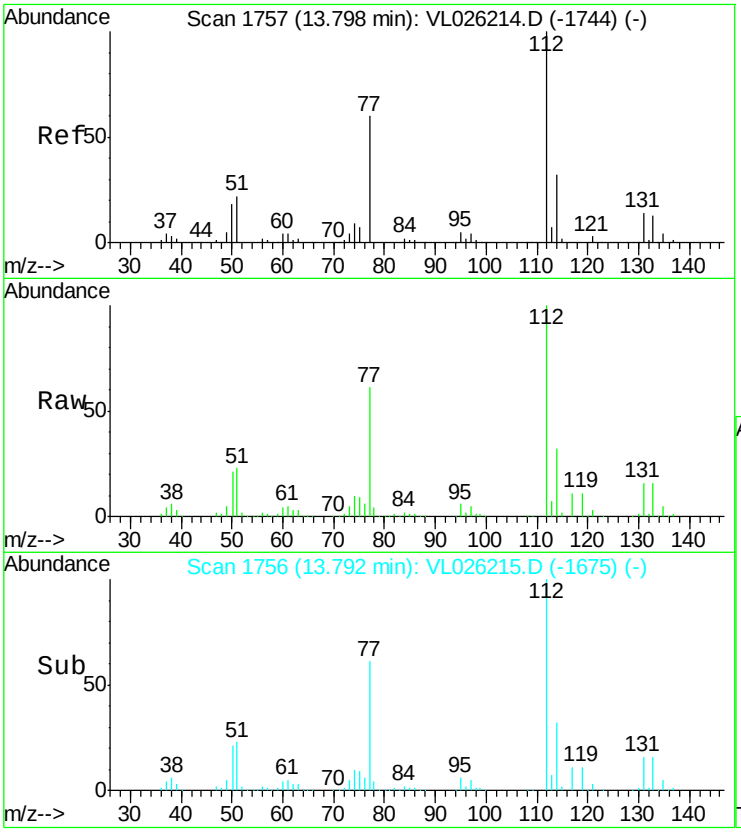



#56
1,1,1,2-Tetrachloroethane
Concen: 9.32 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:131 Resp: 867071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.1 | 75.9 | 113.9 |
| 119 | 135.7 | 108.0 | 162.0 |

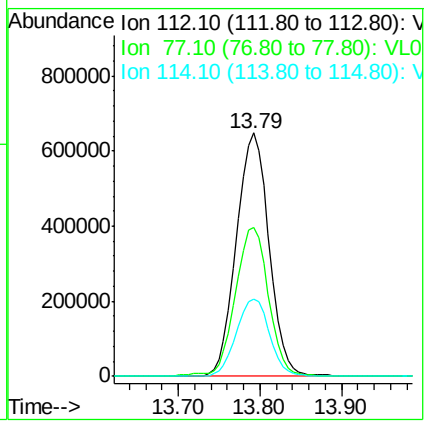





#57
Chlorobenzene
Concen: 9.73 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:112 Resp: 1807137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 61.1 | 48.4 | 72.6 |
| 114 | 31.9 | 29.0 | 35.4 |




**Instrument :**
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**ClientSampleId :**
ICVVL102015

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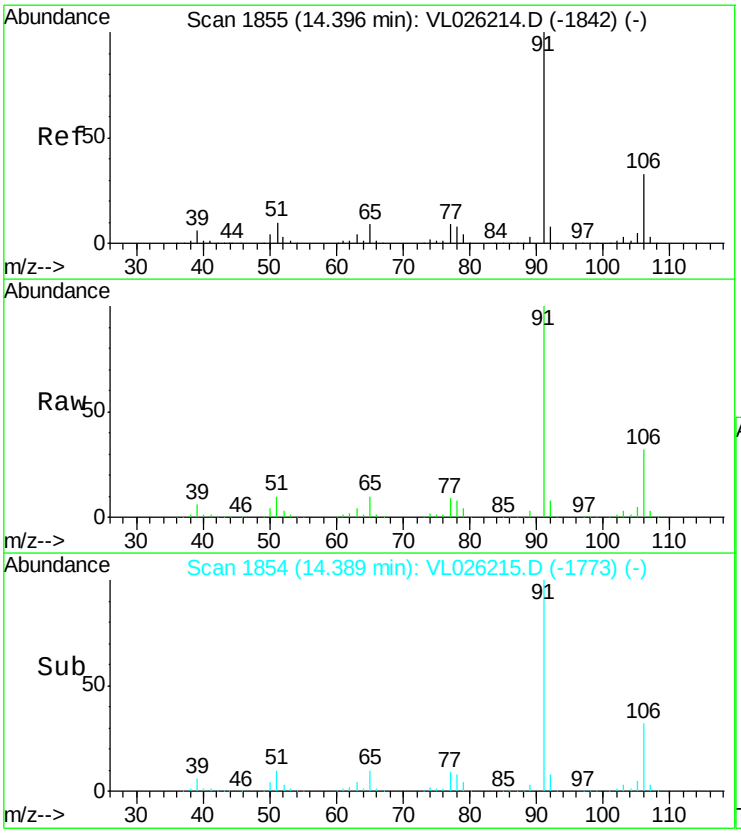
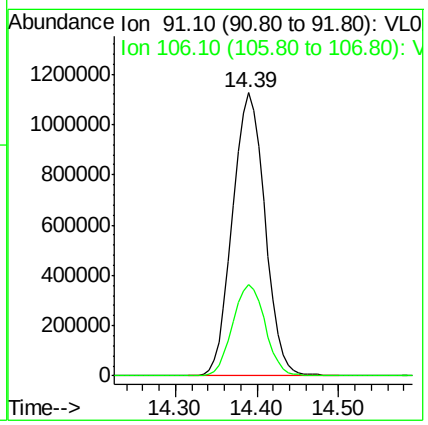
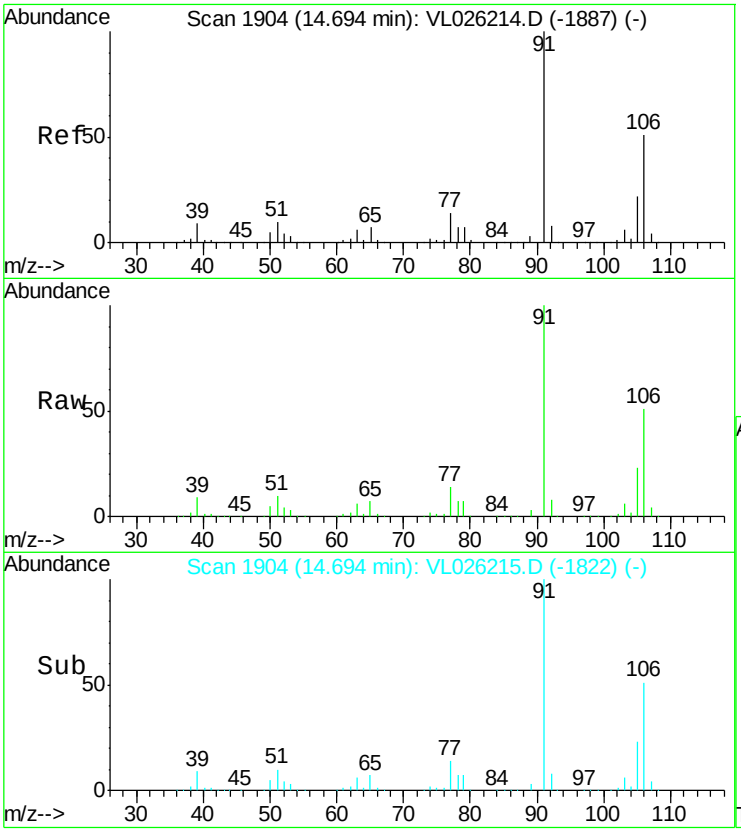



#58
Ethyl Benzene
Concen: 9.90 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 3113827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.2 | 26.1 | 39.1 |

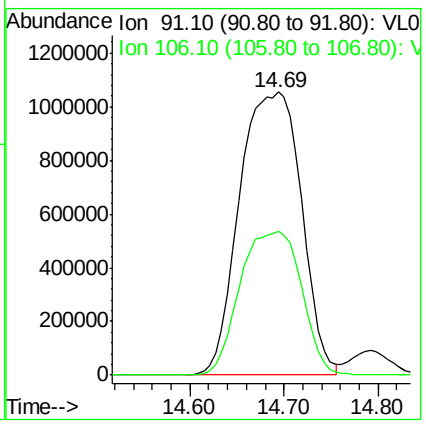





#59
m/p-Xylene
Concen: 19.56 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 4816091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 51.0 | 40.6 | 61.0 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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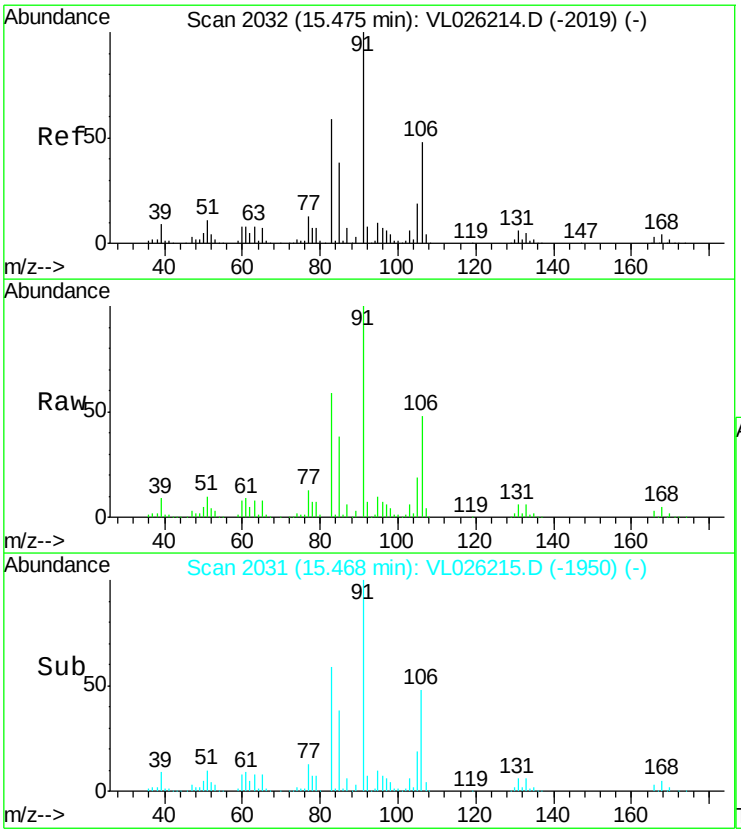
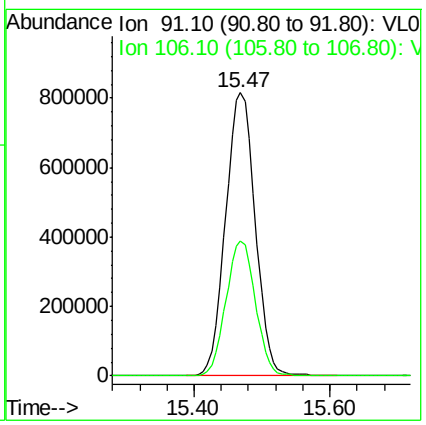
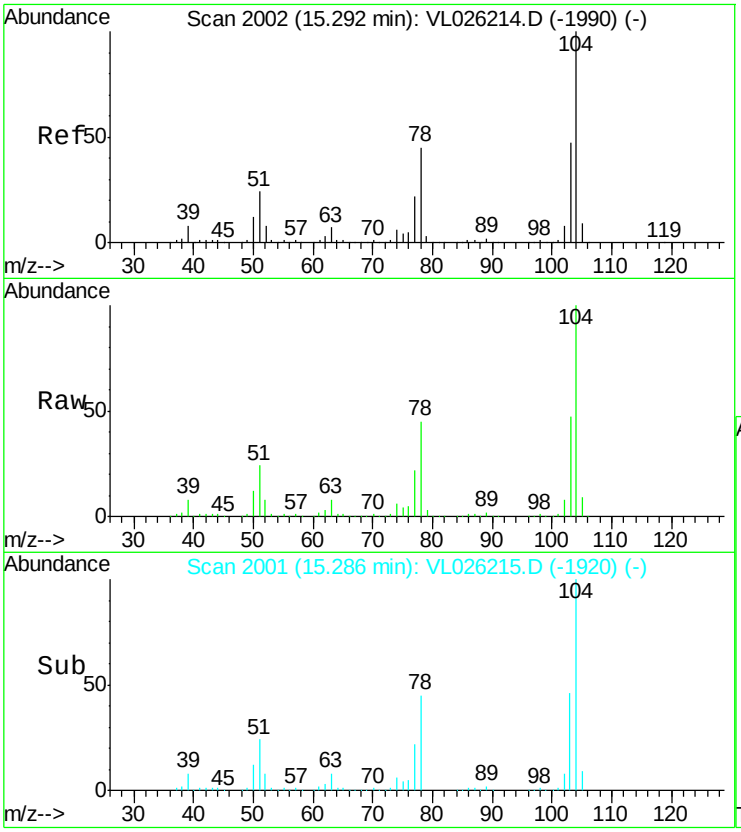



#60
o-Xylene
Concen: 9.58 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 2465566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 47.5 | 23.8 | 71.5 |

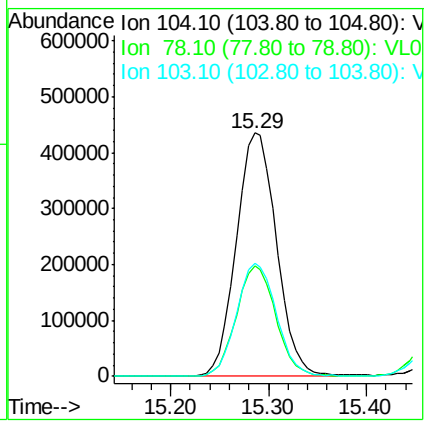





#61
Stvrene
Concen: 10.69 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:104 Resp: 1244696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.8 | 35.3 | 52.9 |
| 103 | 46.2 | 37.0 | 55.4 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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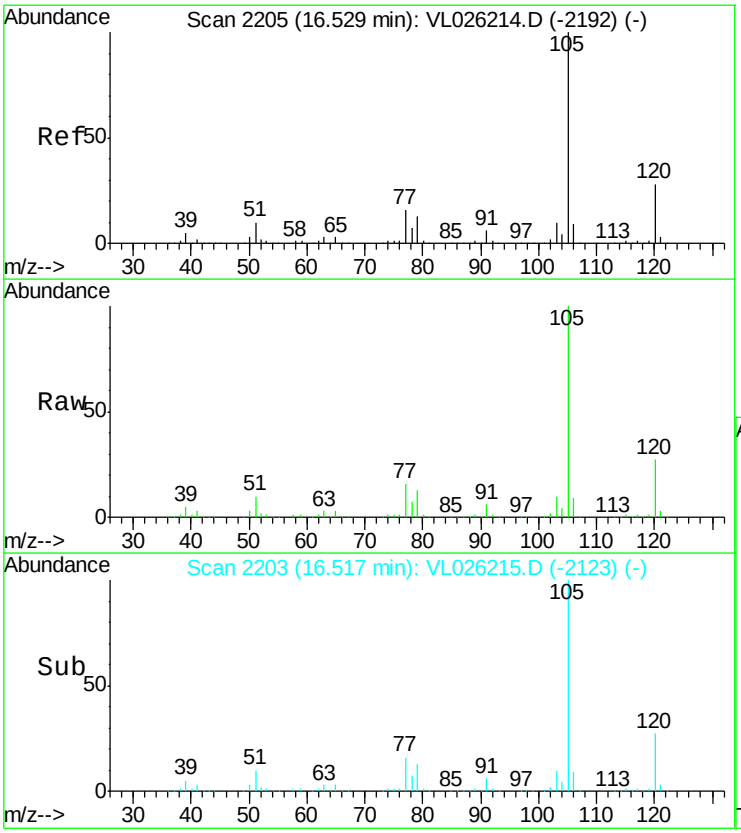
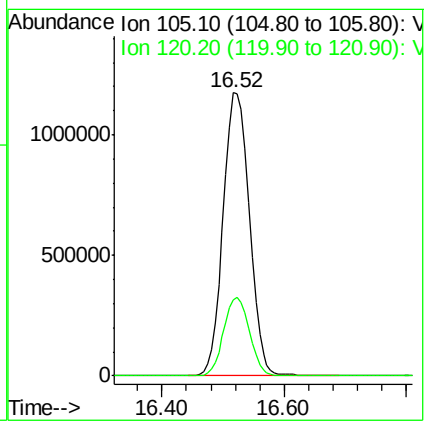
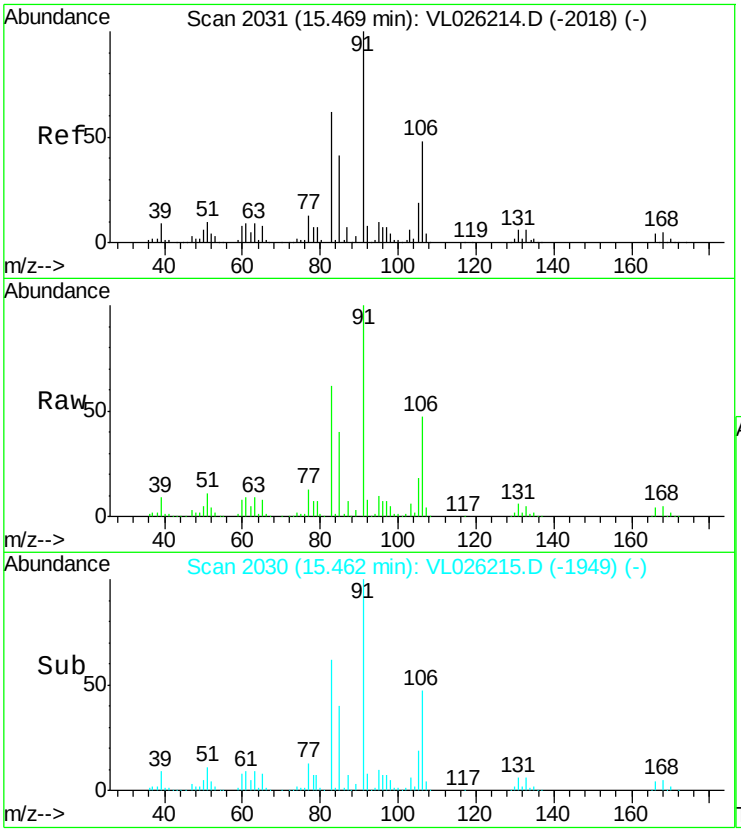



#62
Isopropylbenzene
Concen: 9.79 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:105 Resp: 3504612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.1 | 21.8 | 32.8 |

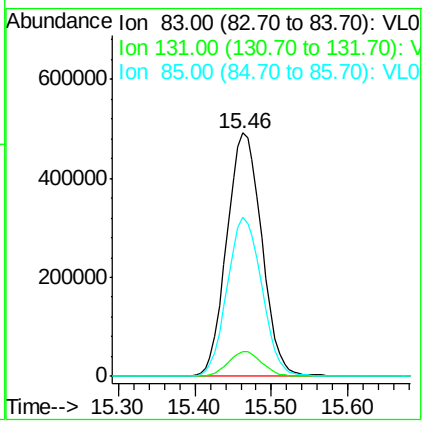





#63
1,1,2,2-Tetrachloroethane
Concen: 9.17 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 83 Resp: 1560356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.0 | 14.9 |
| 85 | 65.0 | 32.3 | 96.9 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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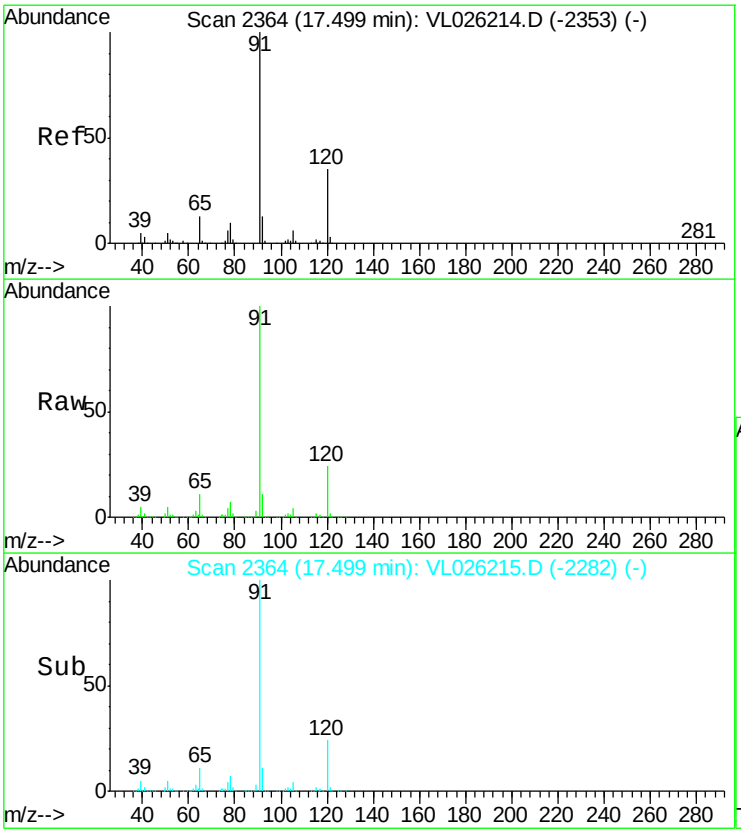
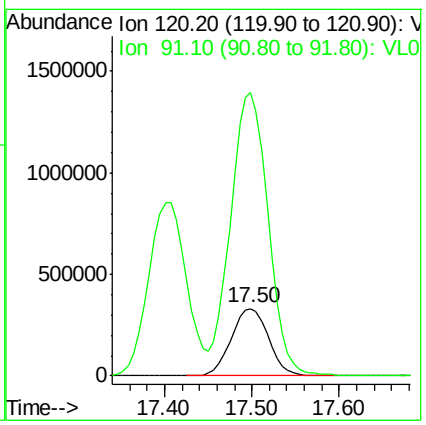
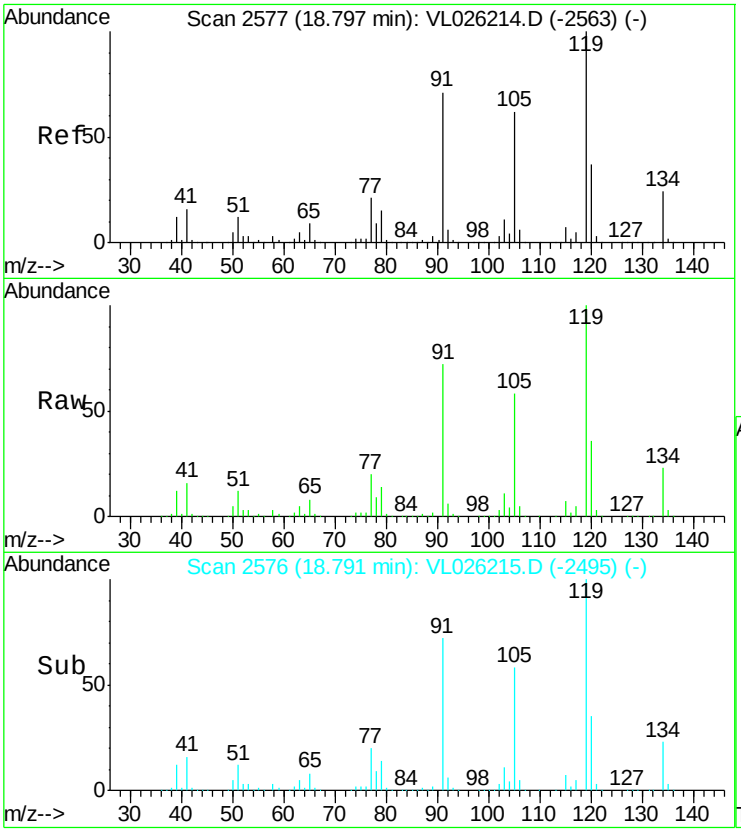



#64
n-propylbenzene
Concen: 10.00 ppbv
RT: 17.50 min Scan# 2364
Delta R.T. -0.00 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:120 Resp: 984229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 422.5 | 331.7 | 497.5 |

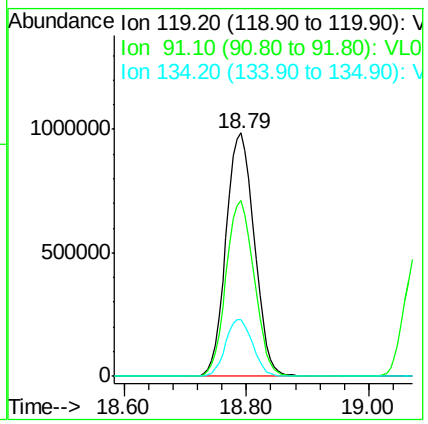





#65
tert-Butylbenzene
Concen: 9.68 ppbv
RT: 18.79 min Scan# 2576
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:119 Resp: 3163678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 71.9 | 57.5 | 86.3 |
| 134 | 22.4 | 18.1 | 27.1 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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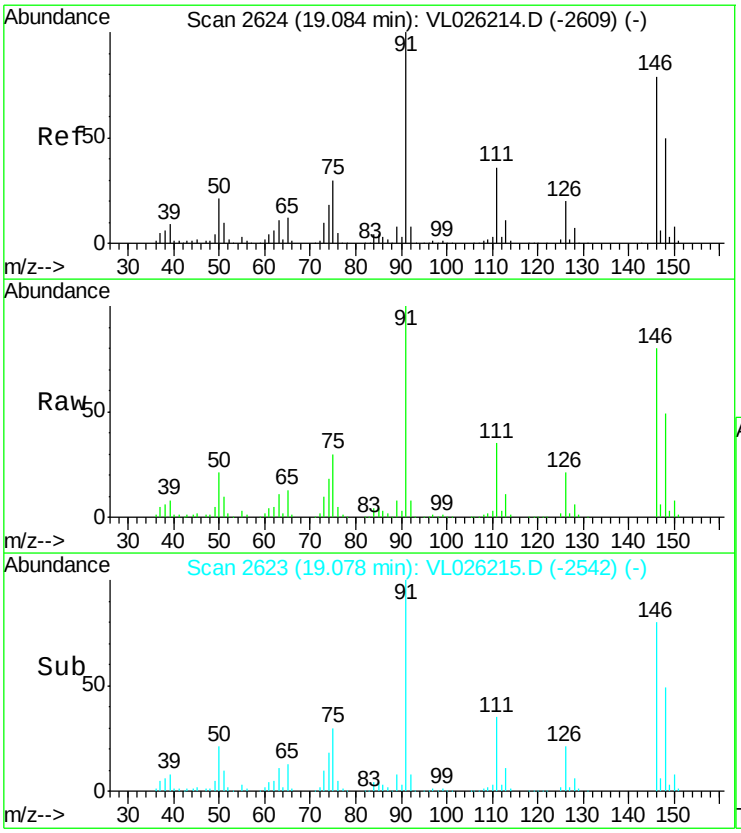
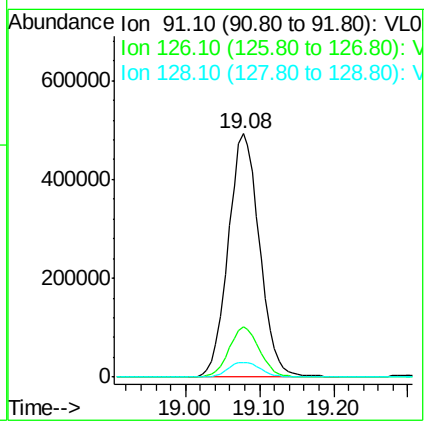
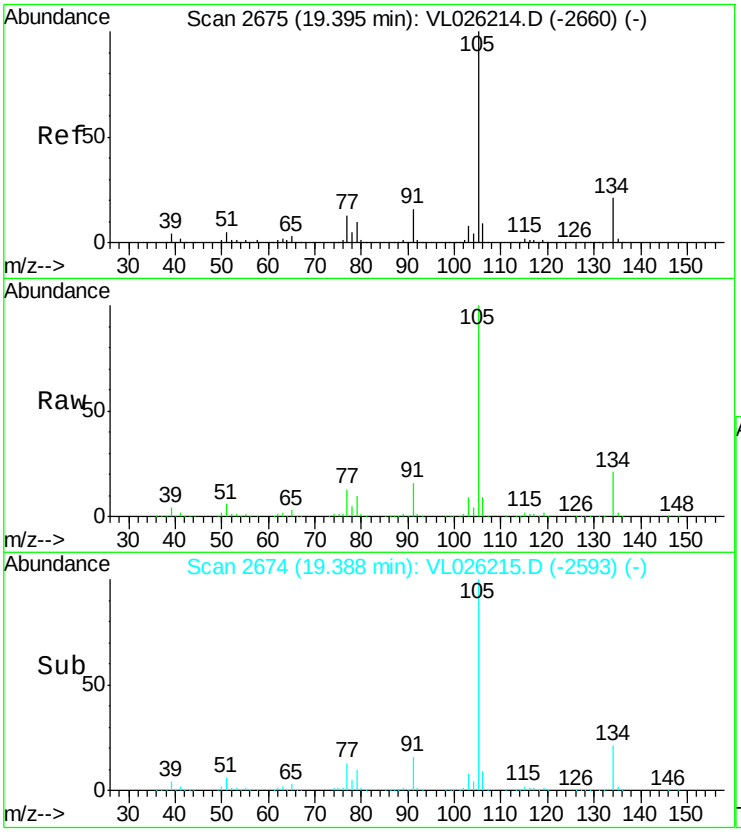



#66
Benzyl Chloride
Concen: 10.69 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 1441625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 20.3 | 16.2 | 24.2 |
| 128 | 6.4 | 5.1 | 7.7 |

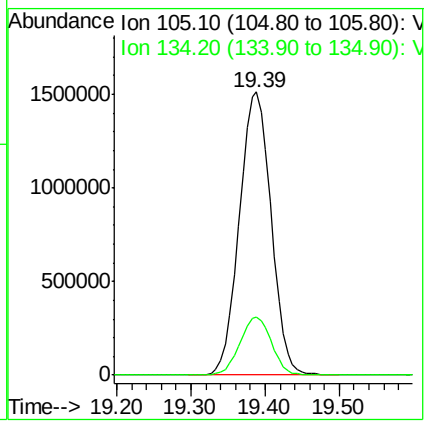





#67
sec-Butylbenzene
Concen: 9.95 ppbv
RT: 19.39 min Scan# 2674
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:105 Resp: 4533778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 16.2 | 24.4 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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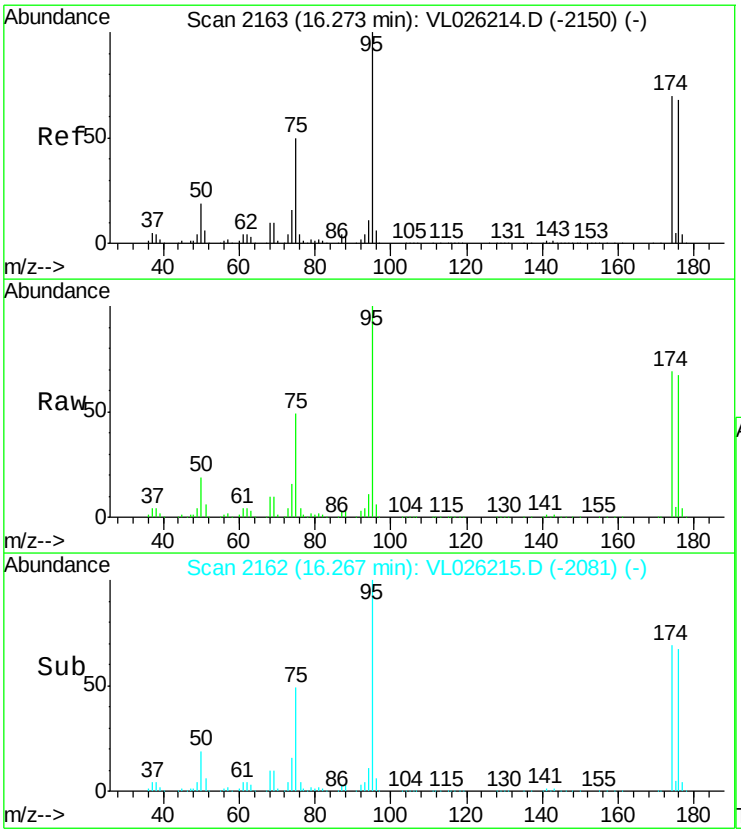
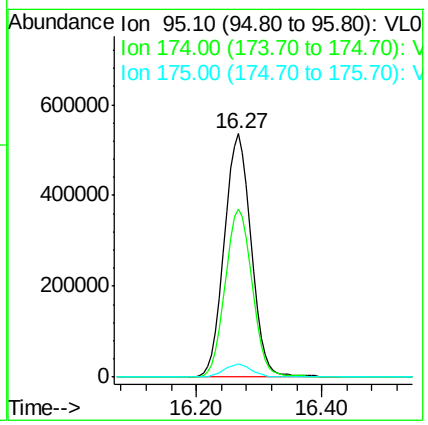
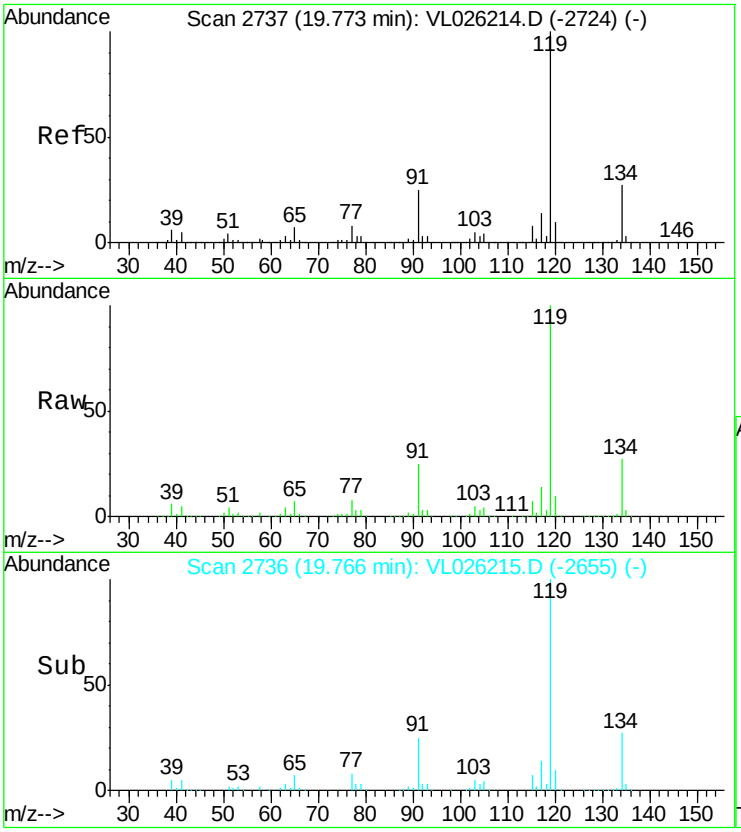



#68
1-Bromo-4-Fluorobenzene
Concen: 10.67 ppbv
RT: 16.27 min Scan# 2162
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 95 Resp: 1596779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 69.5 | 55.8 | 83.8 |
| 175 | 5.3 | 4.3 | 6.5 |

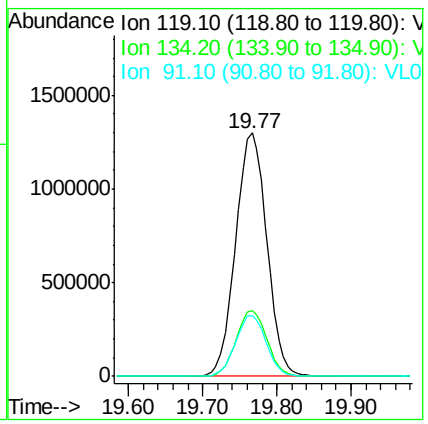





#69
p-Isopropyltoluene
Concen: 10.02 ppbv
RT: 19.77 min Scan# 2736
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:119 Resp: 3815818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.9 | 21.4 | 32.0 |
| 91 | 24.8 | 19.5 | 29.3 |




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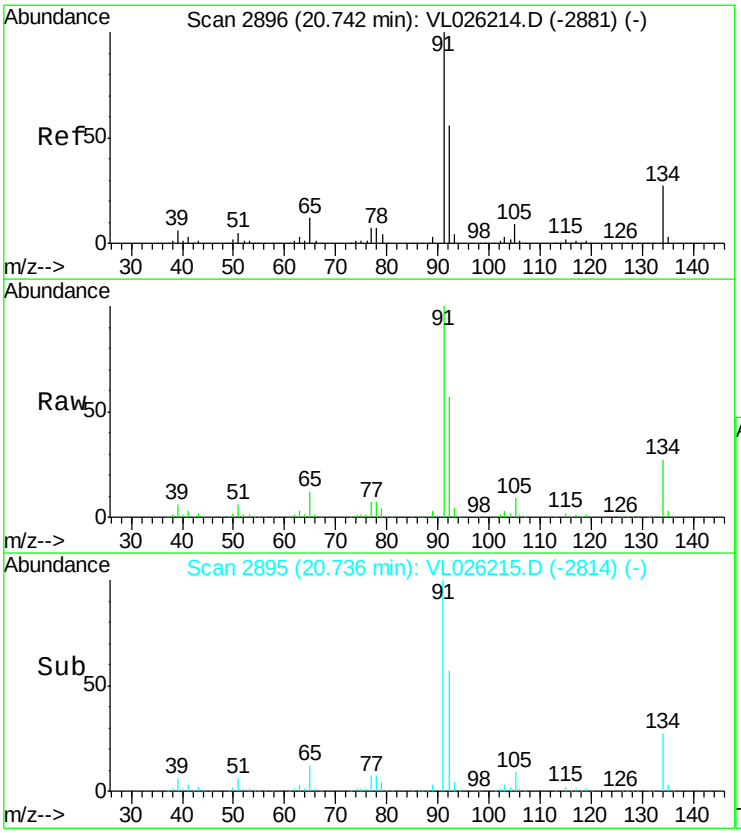
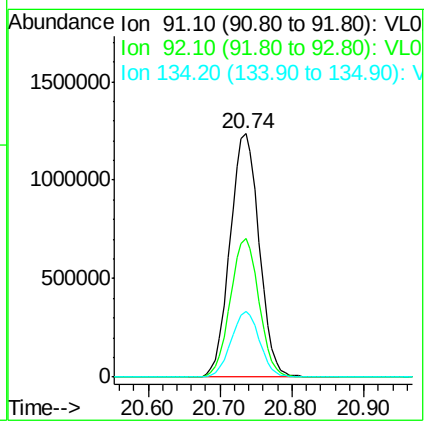
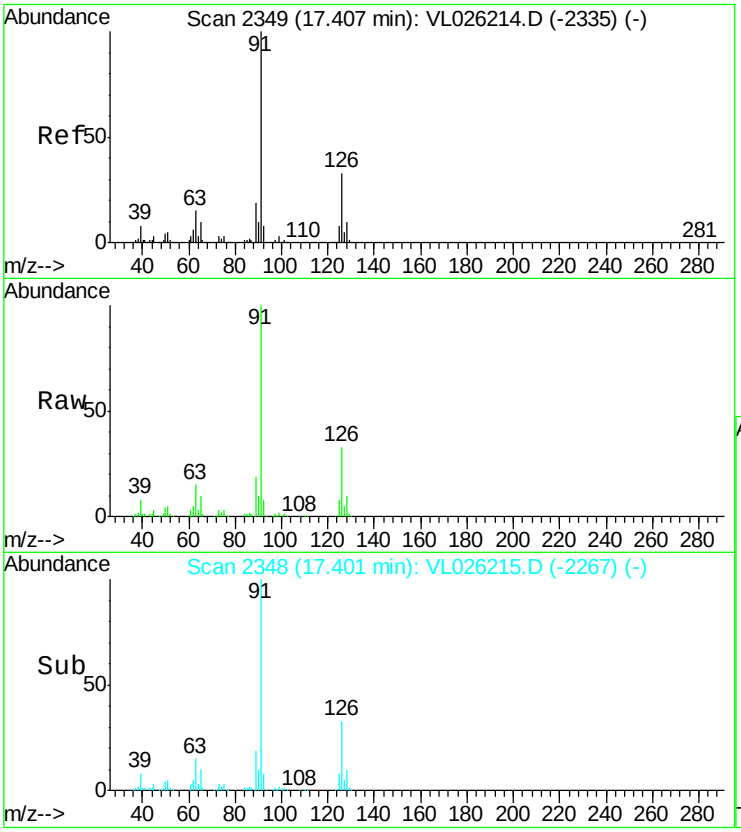



#70
n-Butylbenzene
Concen: 9.97 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 3472035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.2 | 45.0 | 67.6 |
| 134 | 26.3 | 21.4 | 32.0 |

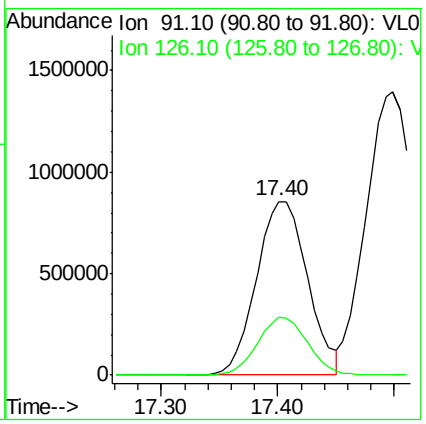





#71
2-Chlorotoluene
Concen: 9.88 ppbv
RT: 17.40 min Scan# 2348
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion: 91 Resp: 2605442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 12.9 | 51.7 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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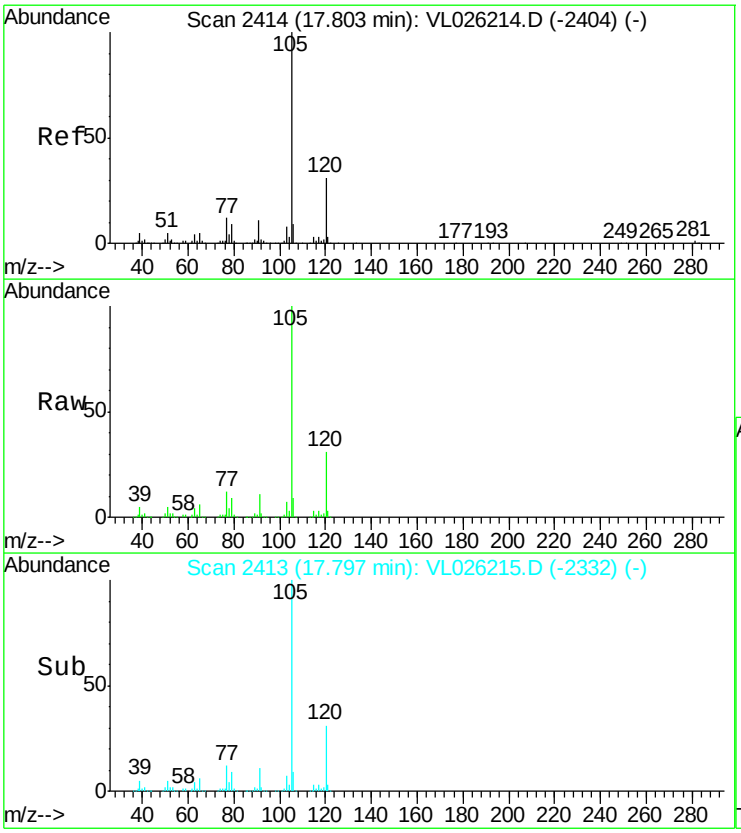
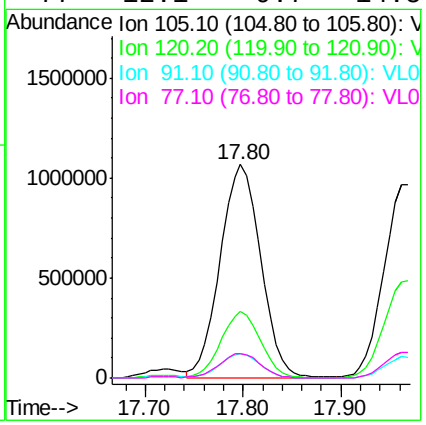
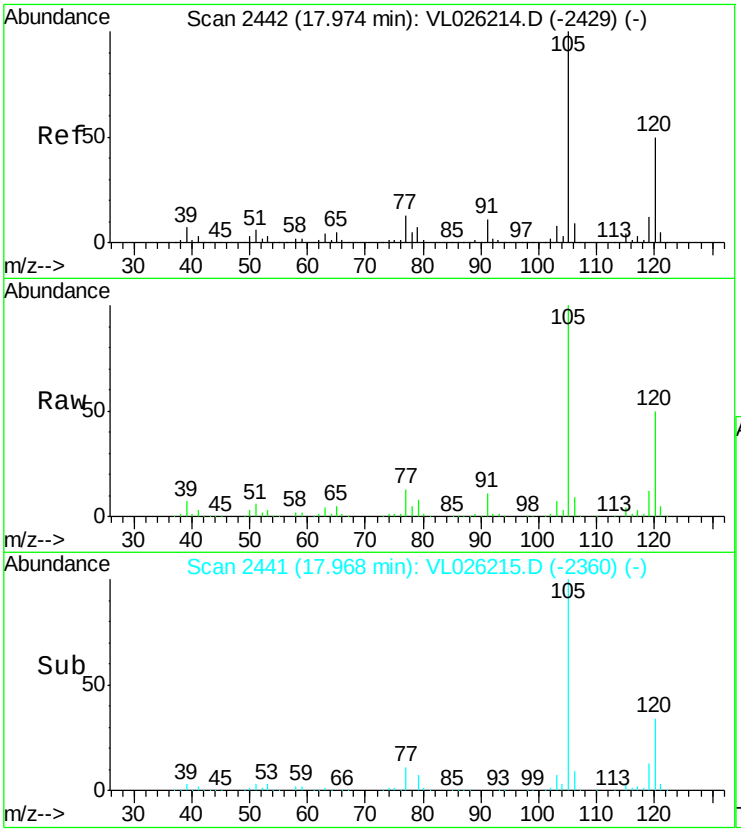



#72
4-Ethyltoluene
Concen: 10.27 ppbv
RT: 17.80 min Scan# 2413
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:105 Resp: 3074404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 31.8 | 25.2 | 37.8 |
| 91 | 11.6 | 9.0 | 13.6 |
| 77 | 12.1 | 9.7 | 14.5 |

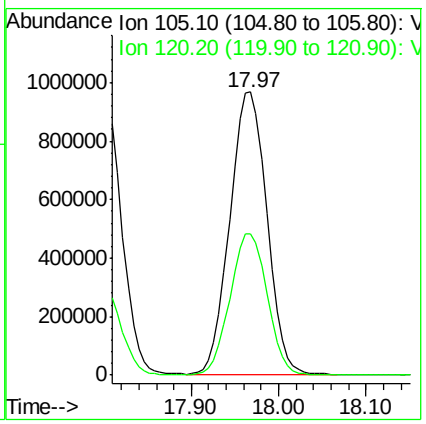





#73
1,3,5-Trimethylbenzene
Concen: 10.20 ppbv
RT: 17.97 min Scan# 2441
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:105 Resp: 2847165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.0 | 39.8 | 59.6 |

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**ClientSampleId :**
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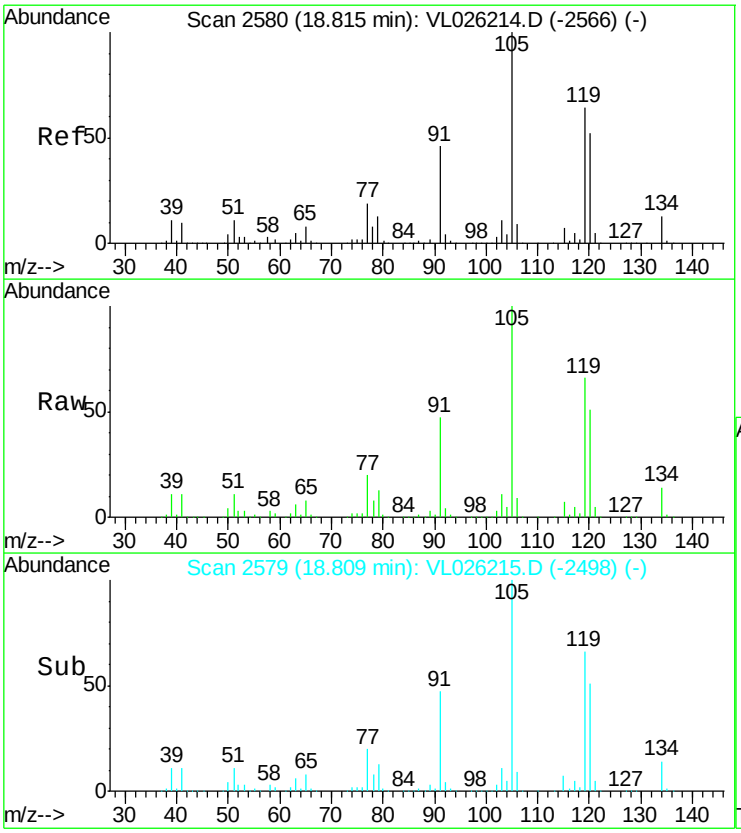
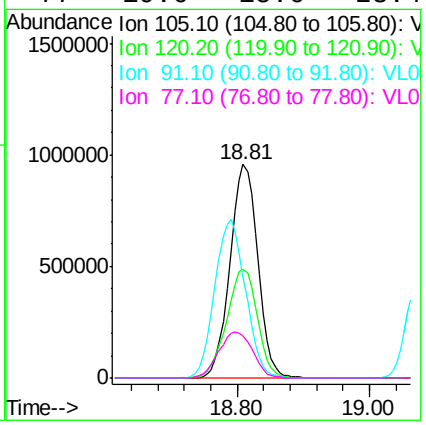
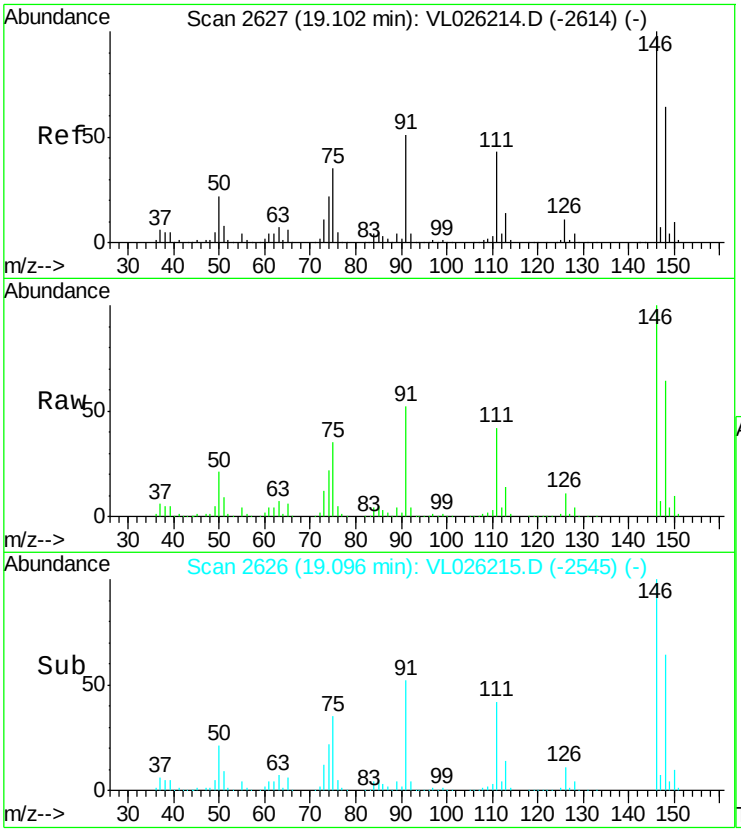



#74
1,2,4-Trimethylbenzene
Concen: 9.66 ppbv
RT: 18.81 min Scan# 2579
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:105 Resp: 2794764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 51.0 | 41.2 | 61.8 |
| 91 | 47.1 | 37.2 | 55.8 |
| 77 | 19.6 | 15.6 | 23.4 |

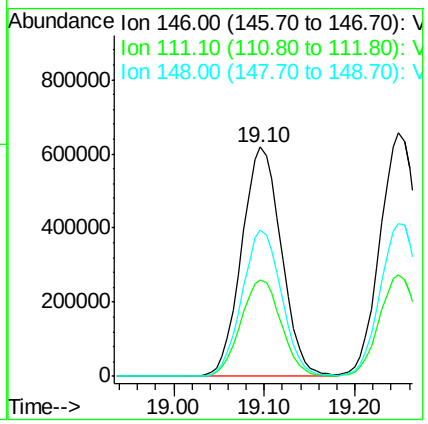





#75
1,3-Dichlorobenzene
Concen: 9.94 ppbv
RT: 19.10 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:146 Resp: 1879712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.6 | 64.8 |
| 148 | 63.5 | 31.8 | 95.4 |




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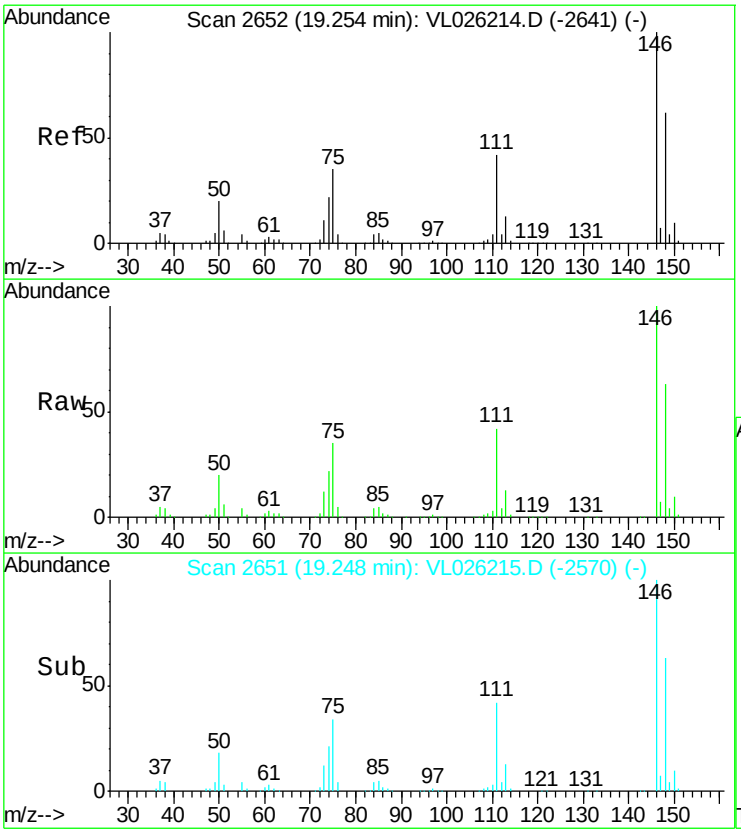
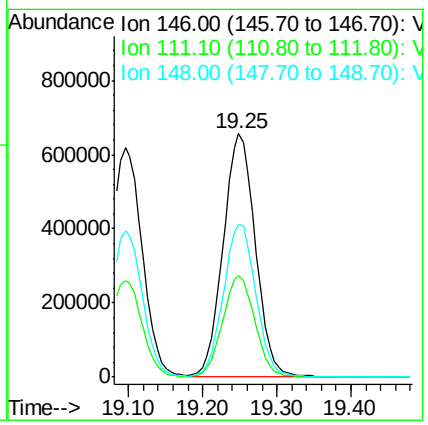
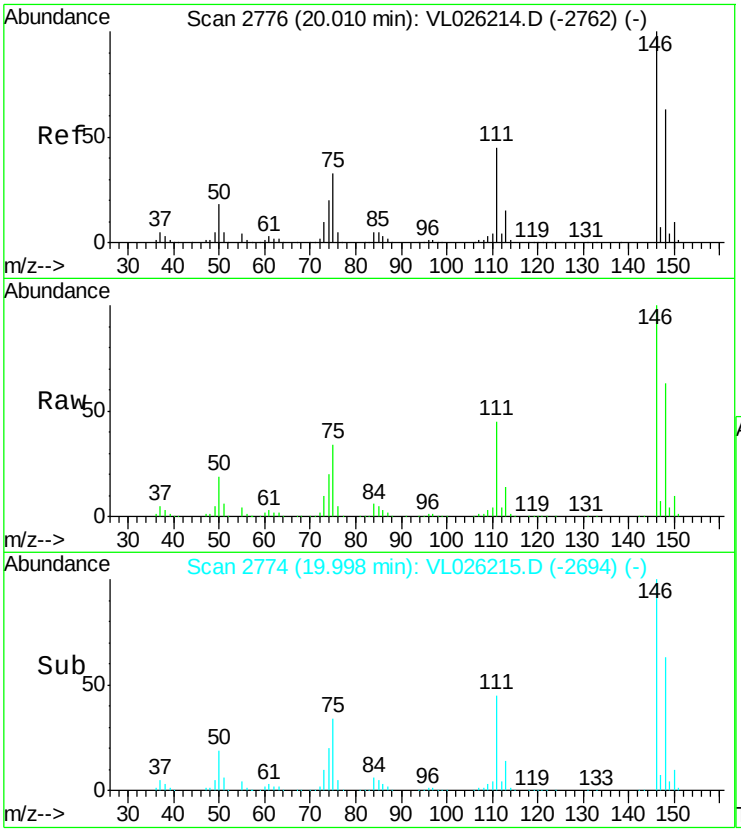



#76
1,4-Dichlorobenzene
Concen: 10.04 ppbv
RT: 19.25 min Scan# 2651
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:146 Resp: 1983780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.8 | 62.2 |
| 148 | 63.5 | 31.9 | 95.9 |

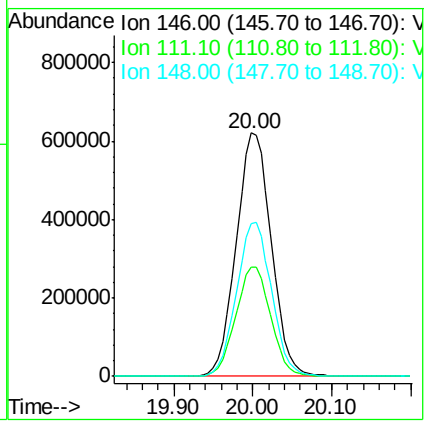





#77
1,2-Dichlorobenzene
Concen: 10.05 ppbv
RT: 20.00 min Scan# 2774
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:146 Resp: 1915708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.0 | 22.6 | 67.7 |
| 148 | 63.4 | 31.6 | 95.0 |




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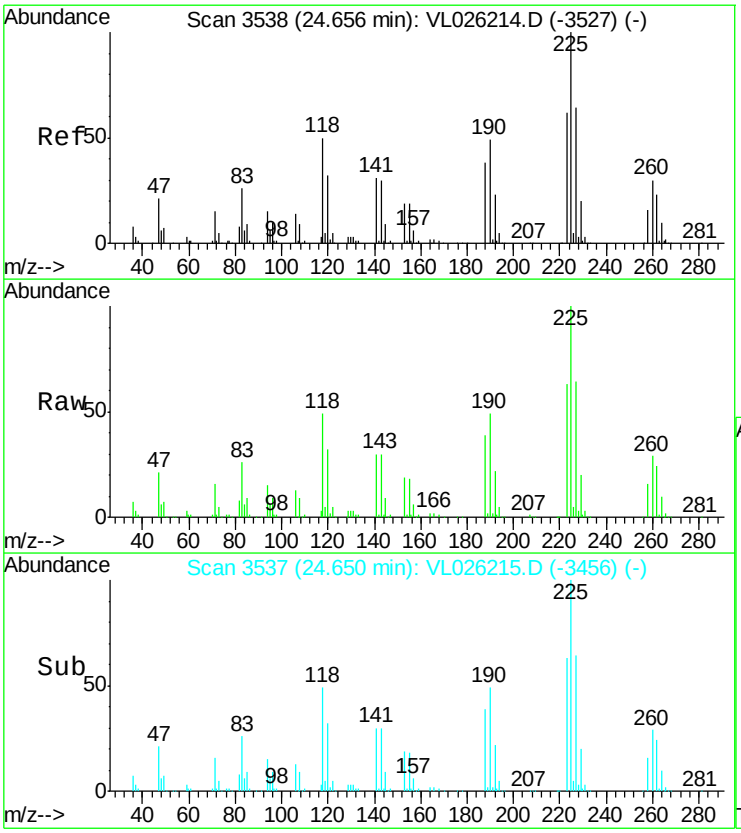
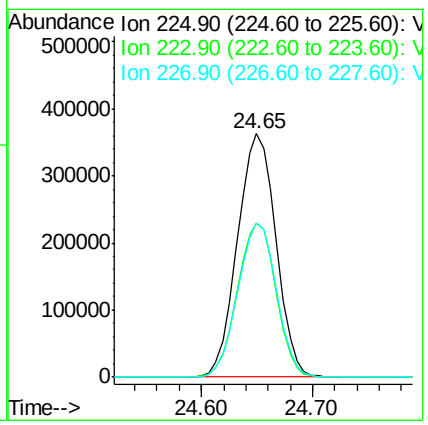
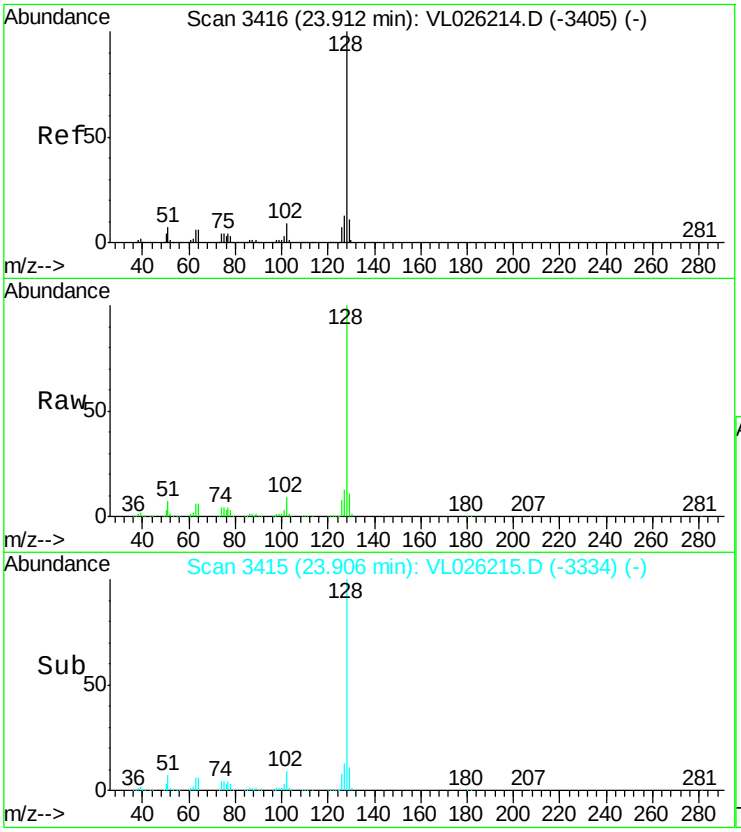



#78
Hexachloro-1,3-Butadiene
Concen: 8.90 ppbv
RT: 24.65 min Scan# 3537
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:225 Resp: 870708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 50.2 | 75.2 |
| 227 | 63.4 | 50.8 | 76.2 |

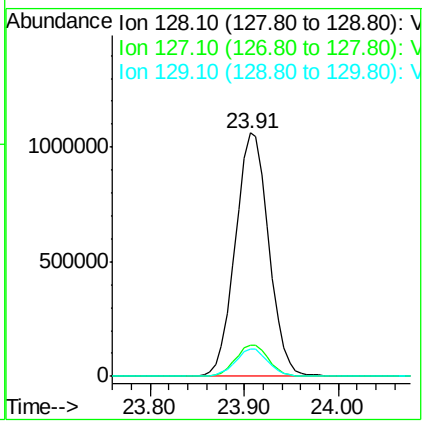





#79
Naphthalene
Concen: 10.34 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:128 Resp: 2638095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.4 | 15.6 |
| 129 | 11.0 | 8.8 | 13.2 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

**Manual Integrations APPROVED**
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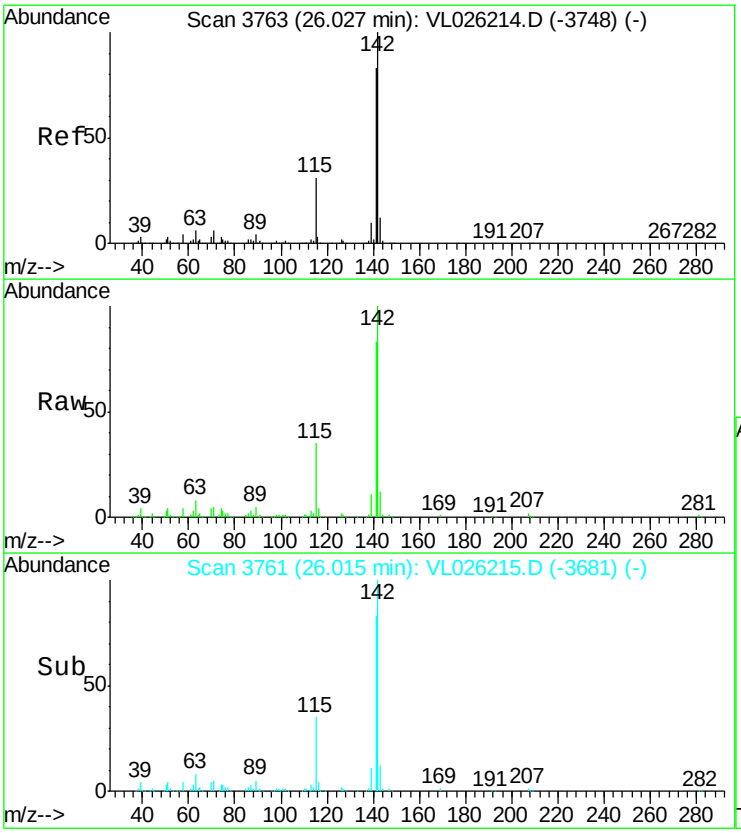
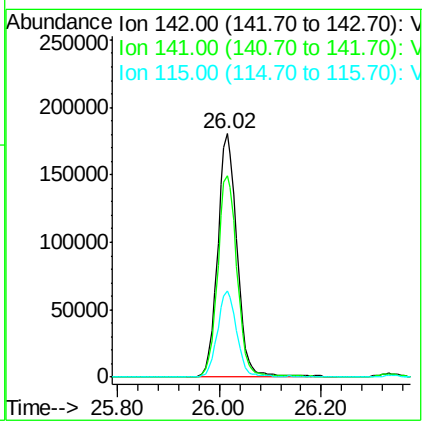
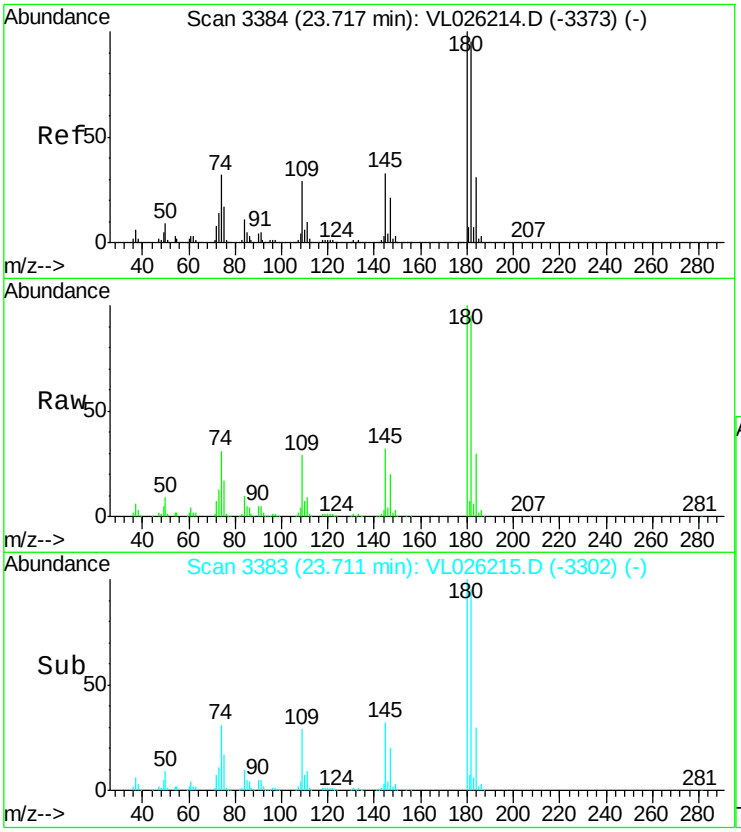



#80
Naphthalene,2-methyl-
Concen: 10.41 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:142 Resp: 476474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 83.0 | 66.5 | 99.7 |
| 115 | 35.8 | 24.2 | 36.4 |

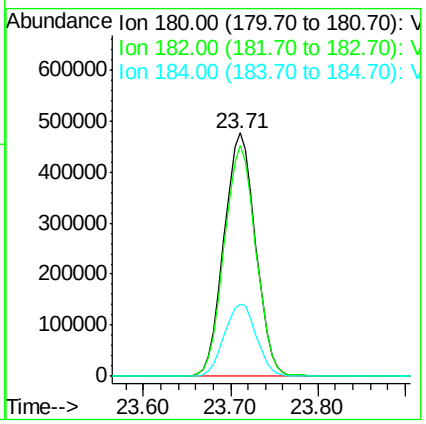





#81
1,2,4-Trichlorobenzene
Concen: 9.76 ppbv
RT: 23.71 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL026215.D
Acq: 20 Oct 2015 19:49

Tgt Ion:180 Resp: 1197709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.7 | 115.1 |
| 184 | 30.2 | 24.2 | 36.2 |




**Instrument :**
MSVOA_L
**ClientSampleId :**
ICVVL102015

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