Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

Quantitation Report (Not Reviewed)

Data File : VL033589.D
Acq On : 16 Apr 2019 12:09
Operator : SY/AP
Sample : VL0416ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Quant Time: Apr 17 05:48:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 864892 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.29 | 114 | 2148908 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.24 | 117 | 2665688 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 1770117 | 8.47 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 84.70% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.08 | 85 | 967577 | 7.671 | ppbv | | 98 |
| 3) Chlorodifluoromethane | 3.02 | 51 | 839420 | 8.430 | ppbv | | 99 |
| 4) Chloromethane | 3.17 | 50 | 453618 | 8.609 | ppbv | | 99 |
| 5) Vinyl Chloride | 3.29 | 62 | 456777 | 8.823 | ppbv | | 100 |
| 6) Bromomethane | 3.52 | 94 | 292361 | 8.788 | ppbv | | 92 |
| 7) Chloroethane | 3.60 | 64 | 172446 | 8.950 | ppbv | | 99 |
| 8) Dichlorotetrafluoroethane | 3.22 | 85 | 1151928 | 8.570 | ppbv | | 99 |
| 9) Propene | 3.04 | 41 | 355012 | 8.490 | ppbv | | 98 |
| 10) Heptane | 8.25 | 43 | 981563 | 8.782 | ppbv | | 98 |
| 11) Trichlorofluoromethane | 4.01 | 101 | 1367632 | 8.797 | ppbv | | 99 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55 | 101 | 930655 | 8.913 | ppbv | | 100 |
| 13) Ethanol | 3.65 | 45 | 118205 | 10.924 | ppbv | | 65 |
| 14) Bromoethene | 3.79 | 108 | 376363 | 9.037 | ppbv | | 99 |
| 15) Acetone | 3.90 | 43 | 915642 | 8.805 | ppbv | | 99 |
| 16) 1,3-Butadiene | 3.36 | 39 | 396150 | 9.604 | ppbv | | 95 |
| 17) tert-Butyl alcohol | 4.36 | 59 | 182774 | 9.559 | ppbv | | 100 |
| 18) 1,1-Dichloroethene | 4.35 | 96 | 407117 | 9.077 | ppbv | | 95 |
| 19) Isopropyl Alcohol | 4.02 | 45 | 659008 | 10.019 | ppbv | # | 98 |
| 20) Methylene Chloride | 4.41 | 84 | 360641 | 8.170 | ppbv | | 96 |
| 21) Allyl Chloride | 4.48 | 41 | 595265 | 9.055 | ppbv | | 100 |
| 22) trans-1,2-Dichloroethene | 4.96 | 96 | 421156 | 9.000 | ppbv | | 98 |
| 23) Vinyl Acetate | 5.16 | 43 | 1317562 | 8.901 | ppbv | | 99 |
| 24) 1,1-Dichloroethane | 5.09 | 63 | 940991 | 8.369 | ppbv | | 100 |
| 25) Ethyl Acetate | 5.77 | 43 | 1598163 | 8.283 | ppbv | | 100 |
| 26) Hexane | 5.78 | 57 | 720507 | 8.398 | ppbv | | 98 |
| 27) Carbon Disulfide | 4.62 | 76 | 1007711 | 9.878 | ppbv | | 98 |
| 28) Methyl tert-Butyl Ether | 5.11 | 73 | 1089639 | 8.818 | ppbv | | 100 |
| 29) Chloroform | 5.85 | 83 | 1251306 | 8.509 | ppbv | | 96 |
| 30) Cyclohexane | 7.25 | 84 | 637166 | 9.388 | ppbv | | 100 |
| 31) cis-1,2-Dichloroethene | 5.64 | 61 | 743758 | 8.720 | ppbv | | 99 |
| 32) 1,1,1-Trichloroethane | 6.62 | 97 | 1238512 | 8.844 | ppbv | | 100 |
| 34) 2-Butanone | 5.33 | 43 | 1048186 | 8.119 | ppbv | | 100 |
| 35) Carbon Tetrachloride | 7.13 | 117 | 1367300 | 8.983 | ppbv | | 99 |
| 36) Benzene | 7.00 | 78 | 1520314 | 8.432 | ppbv | | 98 |
| 37) 1,2-Dichloroethane | 6.42 | 62 | 952188 | 7.879 | ppbv | | 100 |
| 38) Trichloroethene | 7.96 | 130 | 641727 | 9.457 | ppbv | | 98 |
| 39) 1,2-Dichloropropane | 7.74 | 63 | 573328 | 8.117 | ppbv | | 97 |
| 40) 1,4-Dioxane | 7.96 | 88 | 243307 | 9.658 | ppbv | | 78 |
| 41) Tetrahydrofuran | 6.15 | 42 | 590225 | 8.312 | ppbv | | 99 |
| 42) Bromodichloromethane | 7.92 | 83 | 1408636 | 8.557 | ppbv | | 100 |
| 43) Methyl Methacrylate | 8.14 | 69 | 630398 | 8.610 | ppbv | | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

Quantitation Report (Not Reviewed)

Data File : VL033589.D
Acq On : 16 Apr 2019 12:09
Operator : SY/AP
Sample : VL0416ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Quant Time: Apr 17 05:48:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.99 | 57 | 2650553 | 8.412 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 9.42 | 75 | 869756 | 9.676 | ppbv | | 99 |
| 46) cis-1,3-Dichloropropene | 8.84 | 75 | 992628 | 9.456 | ppbv | | 97 |
| 47) 1,1,2-Trichloroethane | 9.62 | 97 | 675477 | 8.422 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.45 | 129 | 1235210 | 9.131 | ppbv | | 99 |
| 49) Bromoform | 13.20 | 173 | 1130417 | 8.747 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.87 | 43 | 1635737 | 8.652 | ppbv | | 99 |
| 51) 2-Hexanone | 10.27 | 43 | 1284158 | 9.106 | ppbv | # | 99 |
| 52) Tetrachloroethene | 11.37 | 164 | 610046 | 8.967 | ppbv | | 98 |
| 53) Toluene | 9.95 | 91 | 1881104 | 8.978 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.76 | 107 | 1067599 | 8.510 | ppbv | | 98 |
| 56) 1,1,1,2-Tetrachloroethane | 12.28 | 131 | 881615 | 7.216 | ppbv | | 99 |
| 57) Chlorobenzene | 12.30 | 112 | 1450648 | 7.008 | ppbv | | 97 |
| 58) Ethyl Benzene | 12.87 | 91 | 2678382 | 7.524 | ppbv | | 100 |
| 59) m/p-Xylene | 13.15 | 91 | 2320041 | 7.297 | ppbv | # | 100 |
| 60) o-Xylene | 13.85 | 91 | 2252944 | 7.327 | ppbv | | 99 |
| 61) Styrene | 13.69 | 104 | 1657537 | 7.855 | ppbv | | 100 |
| 62) Isopropylbenzene | 14.83 | 105 | 3167419 | 7.274 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.84 | 83 | 1595148 | 7.046 | ppbv | | 99 |
| 64) n-propylbenzene | 15.72 | 120 | 824096 | 7.459 | ppbv | | 98 |
| 65) tert-Butylbenzene | 16.91 | 119 | 2877687 | 7.500 | ppbv | | 99 |
| 66) Benzyl Chloride | 17.16 | 91 | 1642108 | 9.204 | ppbv | | 99 |
| 67) sec-Butylbenzene | 17.46 | 105 | 4090222 | 7.496 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.82 | 119 | 3417300 | 7.692 | ppbv | | 100 |
| 70) n-Butylbenzene | 18.72 | 91 | 3574051 | 7.593 | ppbv | | 100 |
| 71) 2-Chlorotoluene | 15.62 | 91 | 2459619 | 7.429 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 16.00 | 105 | 2658374 | 7.692 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.16 | 105 | 2568132 | 7.765 | ppbv | | 98 |
| 74) 1,2,4-Trimethylbenzene | 16.93 | 105 | 2653101 | 7.484 | ppbv | | 99 |
| 75) 1,3-Dichlorobenzene | 17.17 | 146 | 1600302 | 7.304 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.31 | 146 | 1593644 | 7.465 | ppbv | | 100 |
| 77) 1,2-Dichlorobenzene | 17.99 | 146 | 1546161 | 7.437 | ppbv | | 100 |
| 78) Hexachloro-1,3-Butadiene | 23.54 | 225 | 917519 | 6.667 | ppbv | | 100 |
| 79) Naphthalene | 22.41 | 128 | 2599813 | 8.567 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 25.11 | 142 | 877326 | 8.615 | ppbv | | 97 |
| 81) 1,2,4-Trichlorobenzene | 22.14 | 180 | 1364080 | 8.104 | ppbv | | 100 |

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

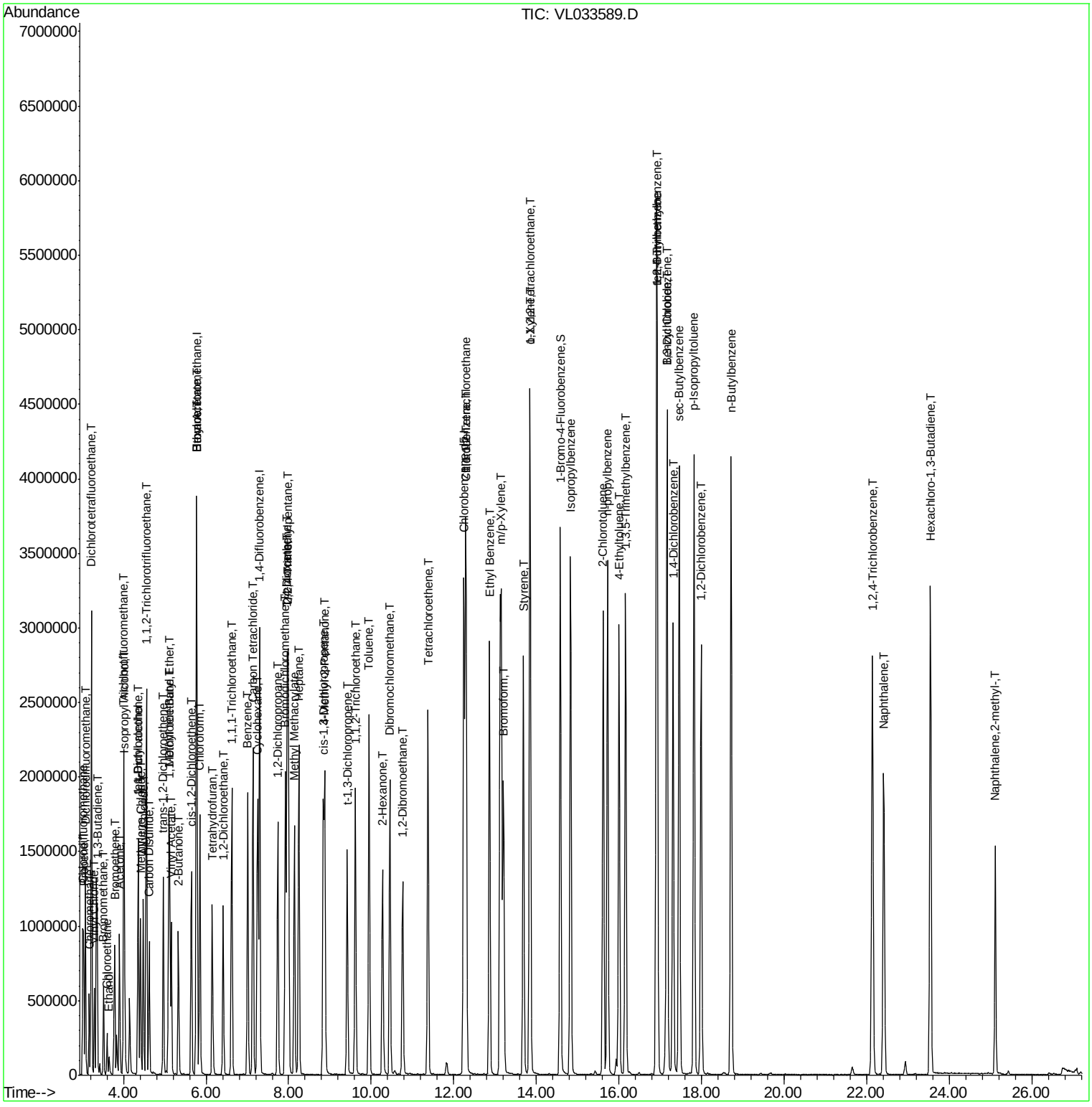
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041619\

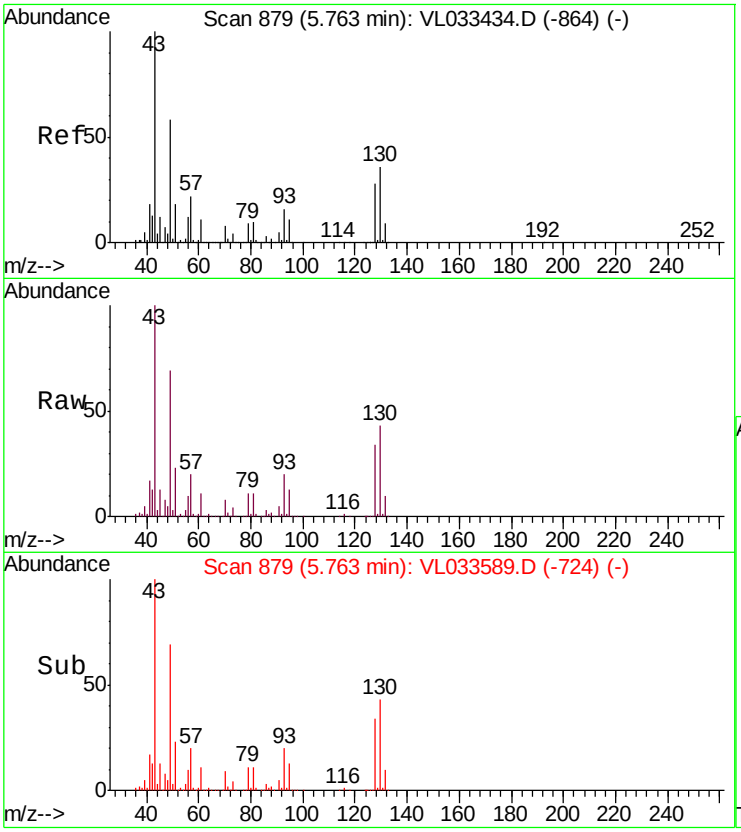
Quantitation Report (Not Reviewed)

Data File : VL033589.D
Acq On : 16 Apr 2019 12:09
Operator : SY/AP
Sample : VL0416ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Quant Time: Apr 17 05:48:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



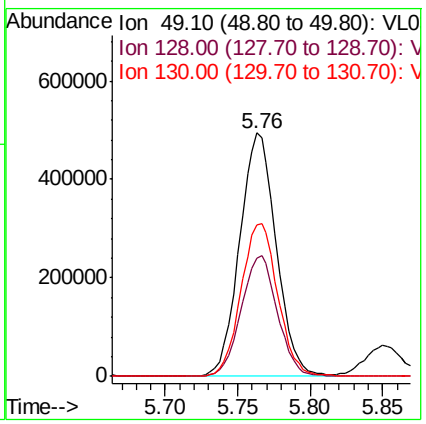


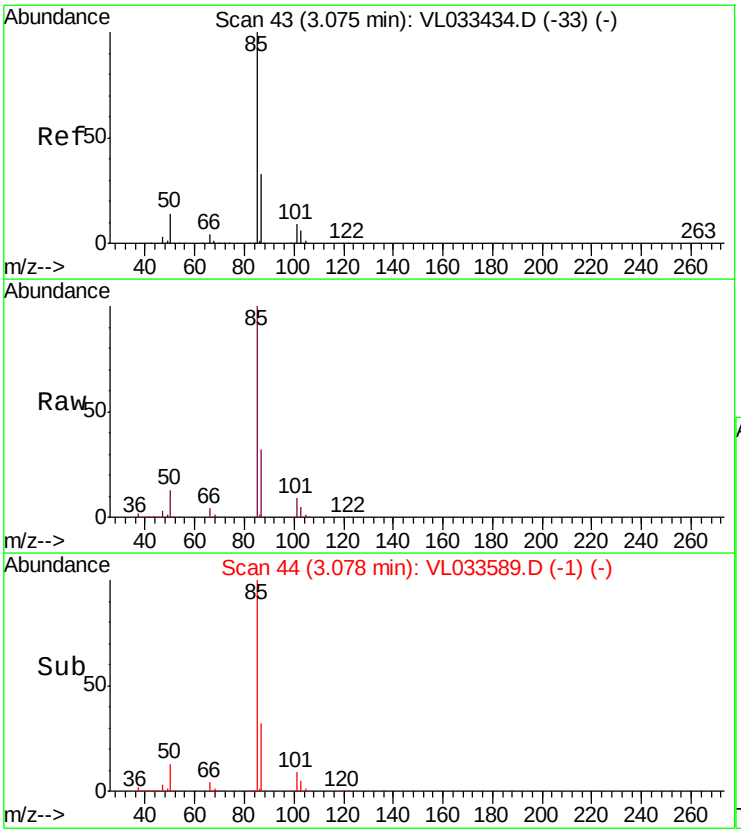

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 49 Resp: 864892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 49.2 | 24.0 | 72.0 |
| 130 | 63.4 | 31.2 | 93.6 |

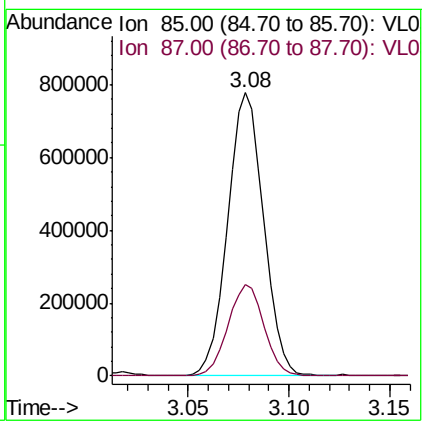


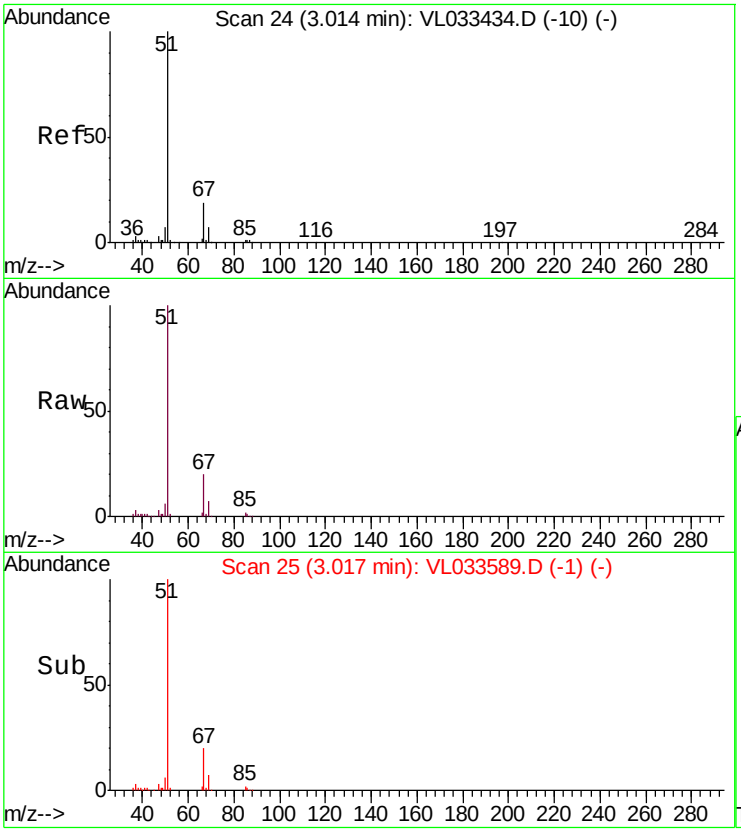




#2
Dichlorodifluoromethane
Concen: 7.671 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 85 Resp: 967577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 26.7 | 40.1 |



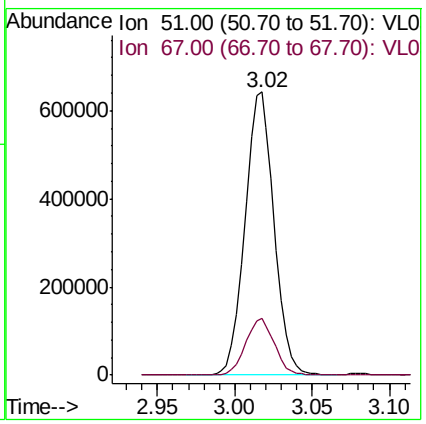


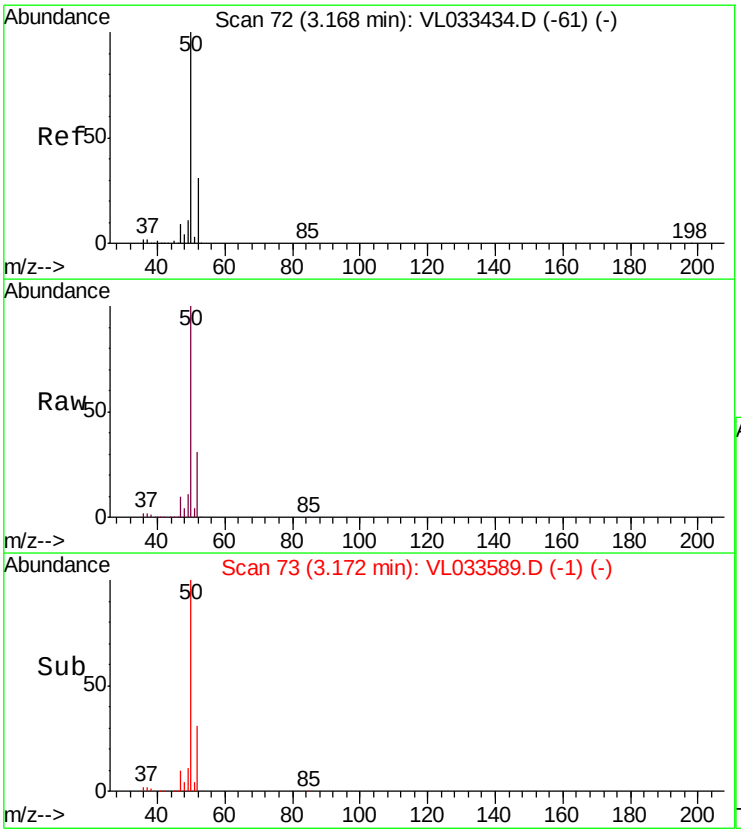

#3
Chlorodifluoromethane
Concen: 8.430 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 51 Resp: 839420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 19.9 | 15.7 | 23.5 |

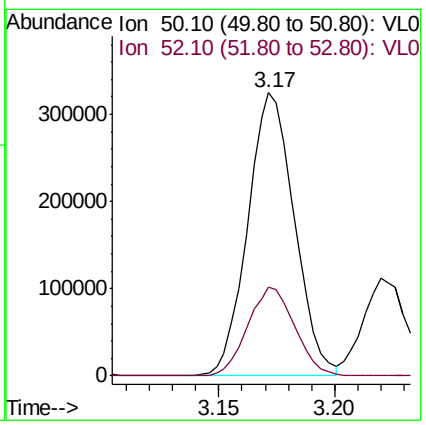


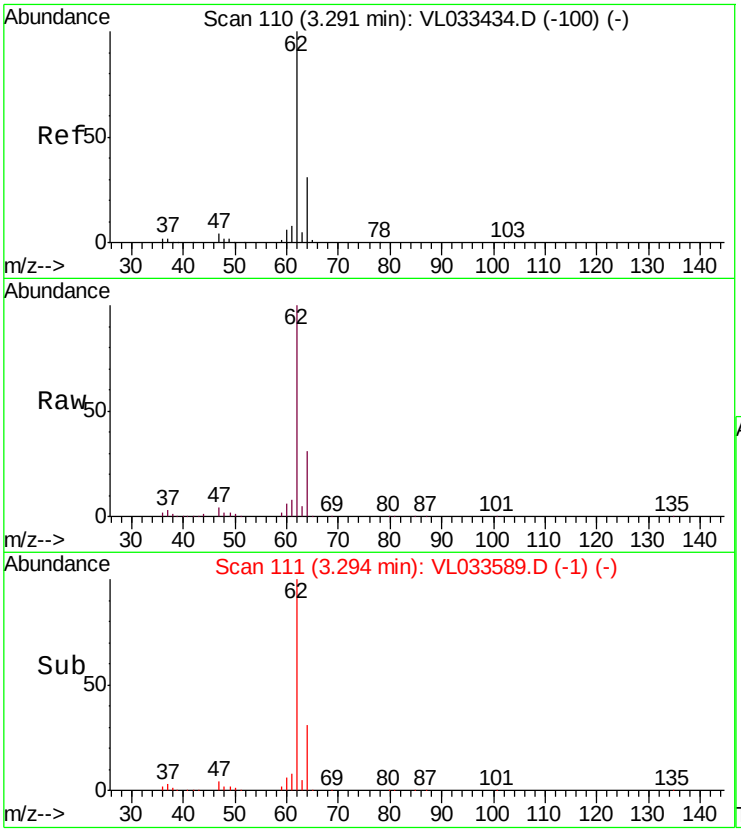




#4
Chloromethane
Concen: 8.609 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 50 Resp: 453618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.8 | 25.0 | 37.6 |



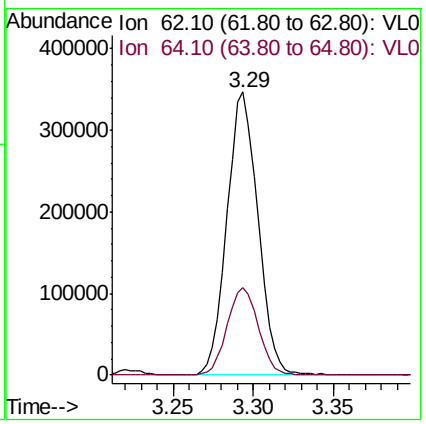


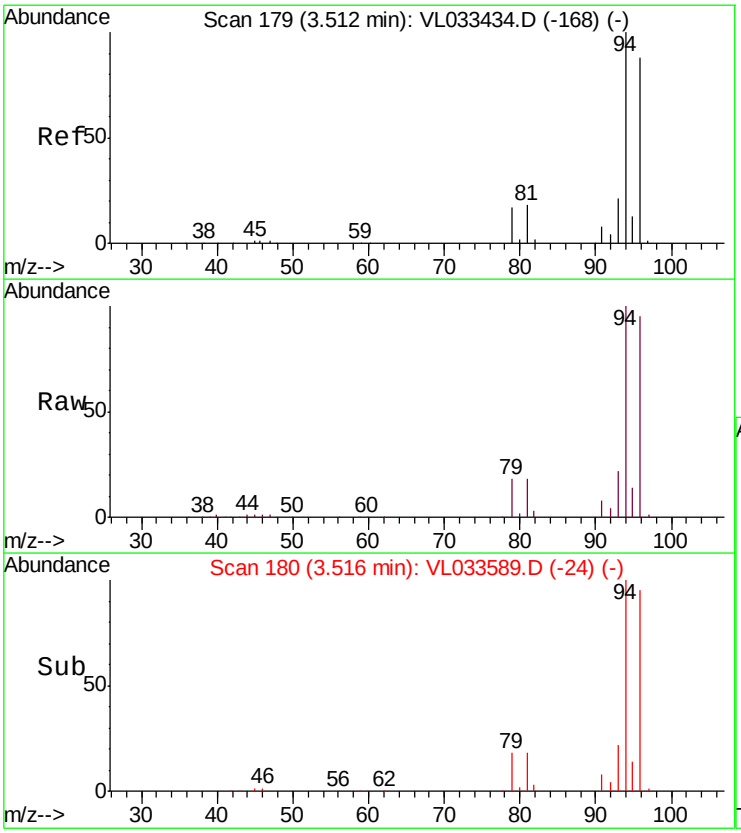

#5
Vinyl Chloride
Concen: 8.823 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 62 Resp: 456777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.9 | 24.9 | 37.3 |

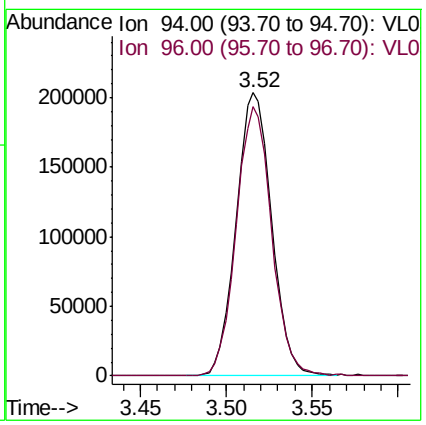


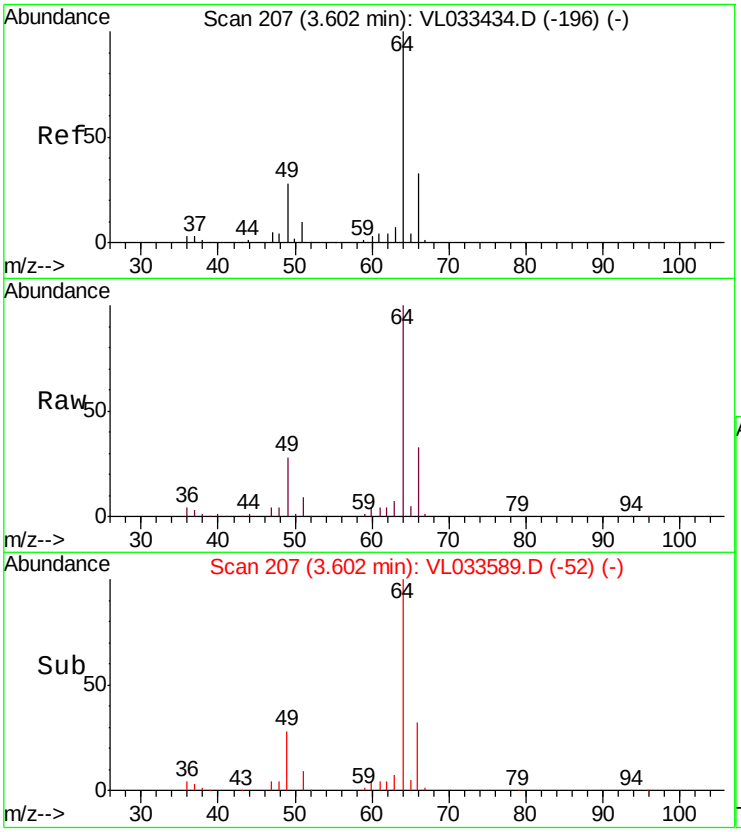




#6
Bromomethane
Concen: 8.788 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 94 Resp: 292361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.0 | 70.2 | 105.2 |



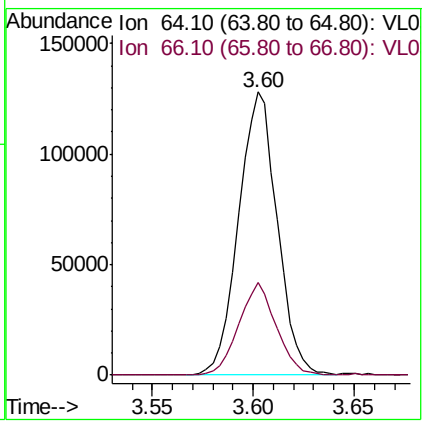


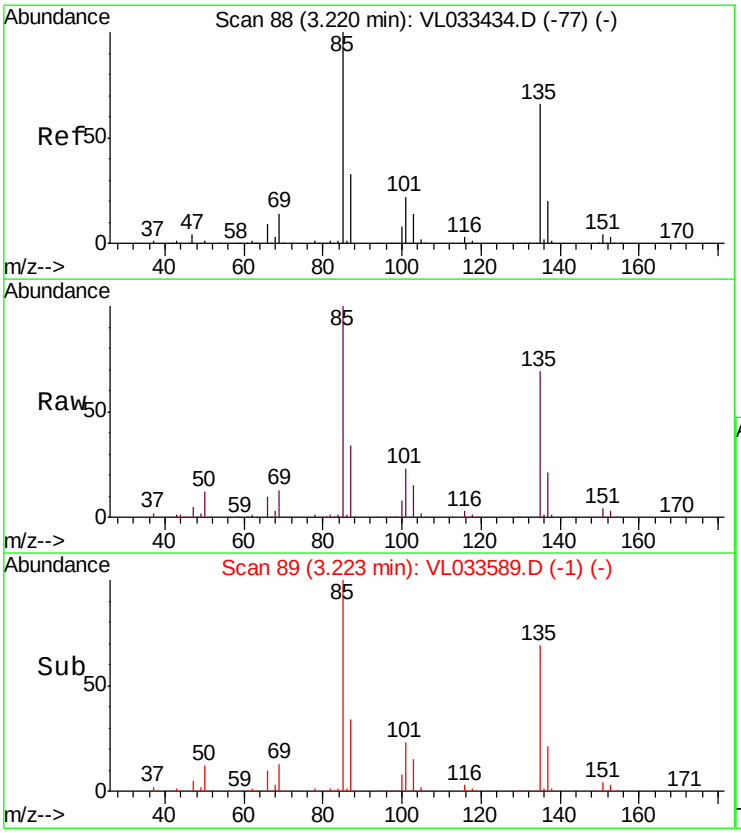

#7
Chloroethane
Concen: 8.950 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 64 Resp: 172446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 26.7 | 40.1 |

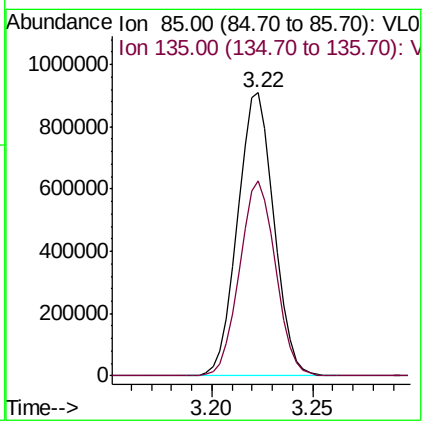


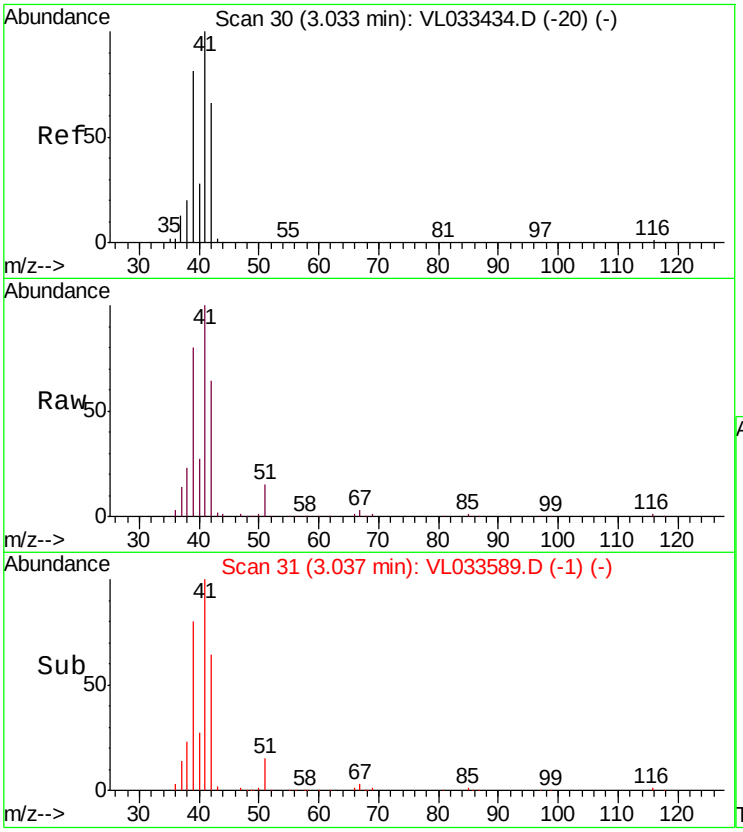




#8
Dichlorotetrafluoroethane
Concen: 8.570 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 85 Resp: 1151928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 68.5 | 54.0 | 81.0 |



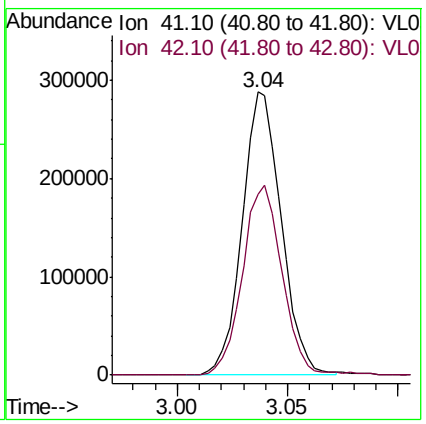


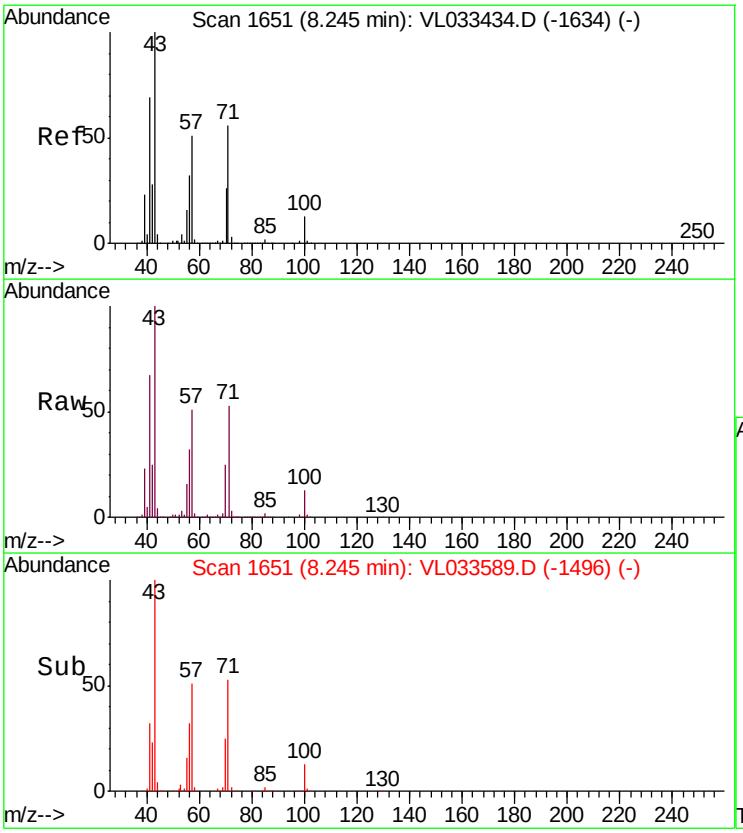

#9
Propene
Concen: 8.490 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 41 Resp: 355012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 68.8 | 53.9 | 80.9 |

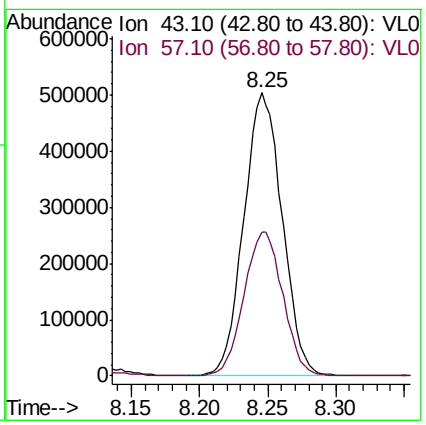


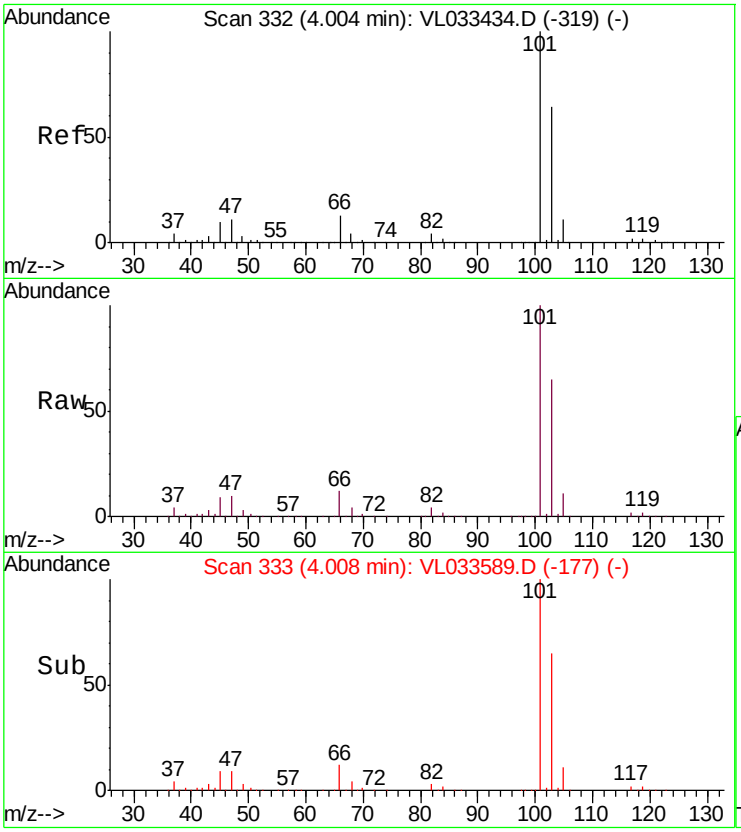




#10
Heptane
Concen: 8.782 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 43 Resp: 981563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 51.8 | 40.6 | 60.8 |



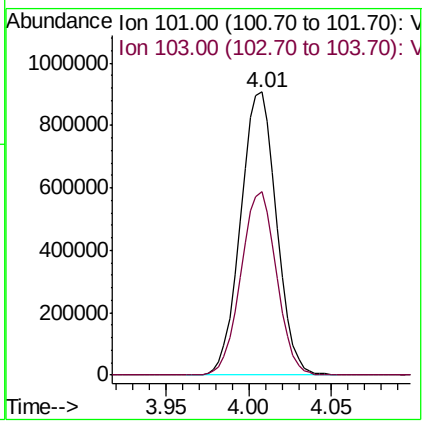


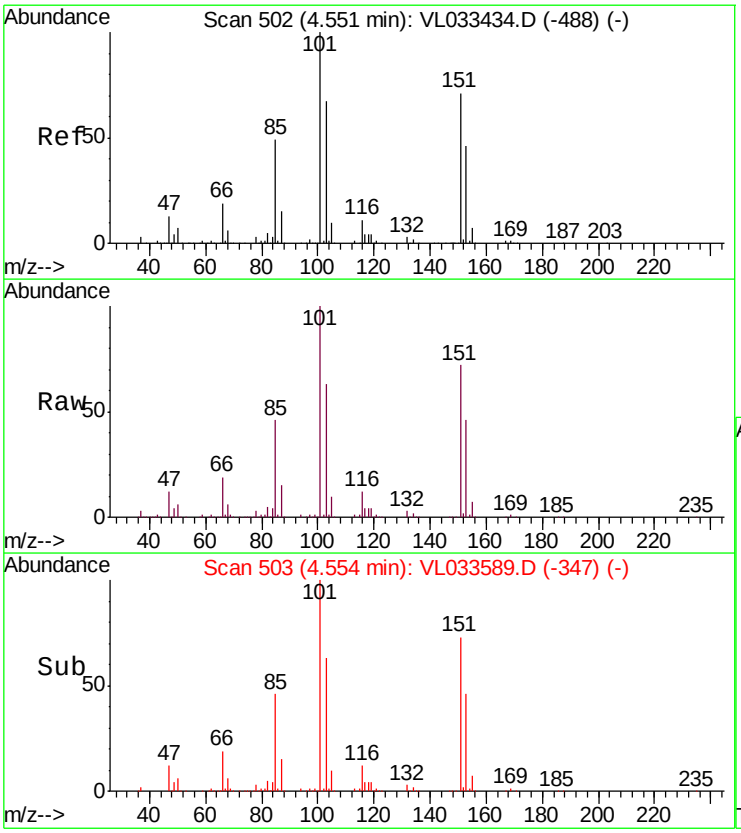

#11
Trichlorofluoromethane
Concen: 8.797 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:101 Resp: 1367632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 51.3 | 76.9 |

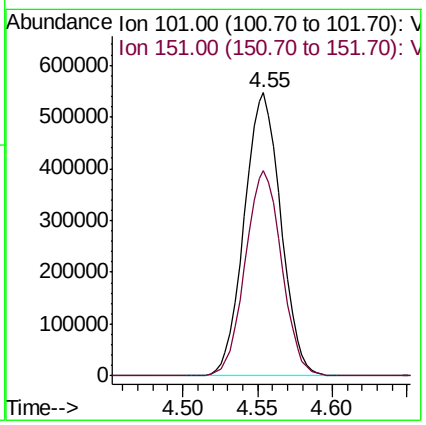


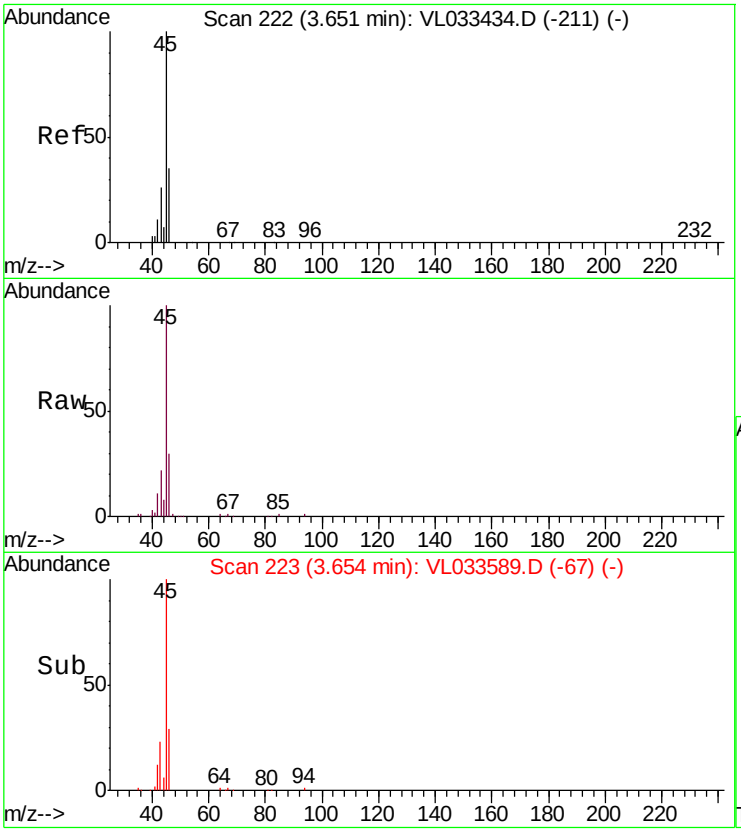




#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.913 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:101 Resp: 930655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 72.4 | 57.7 | 86.5 |



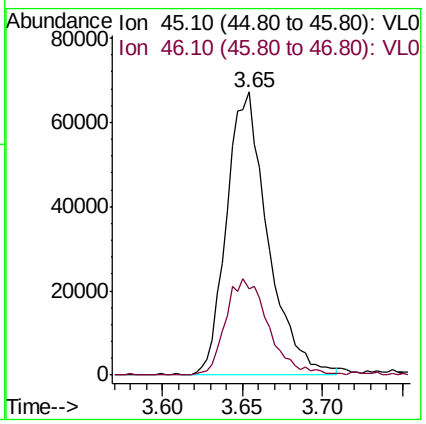


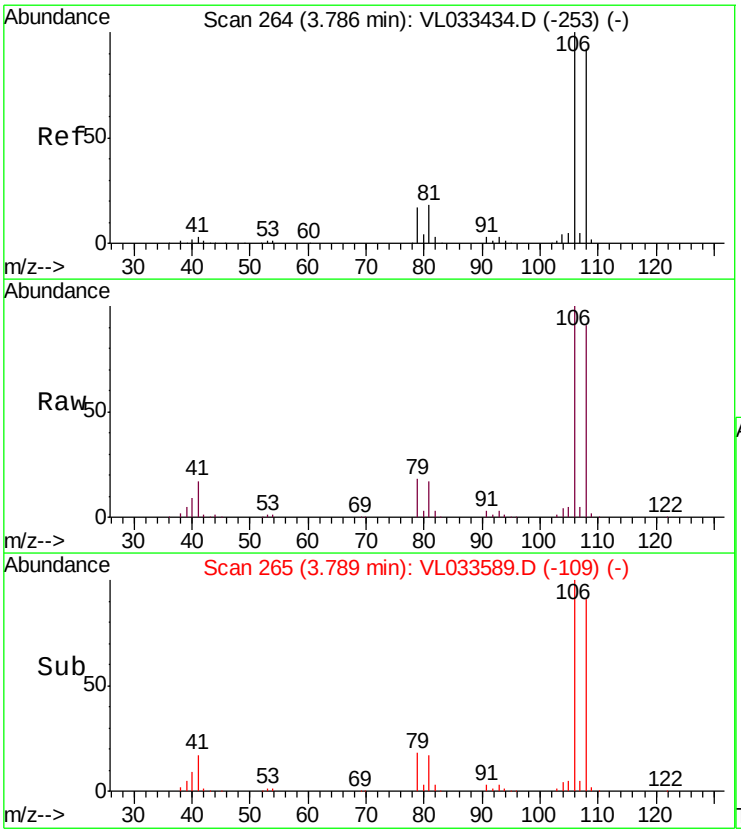

#13
Ethanol
Concen:  10.924 ppbv
RT: 3.65 min  Scan# 223
Delta R.T.  0.00 min
Lab File:  VL033589.D
Acq: 16 Apr 2019  12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 45 Resp:  118205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.0 | 25.4 | 101.8 |

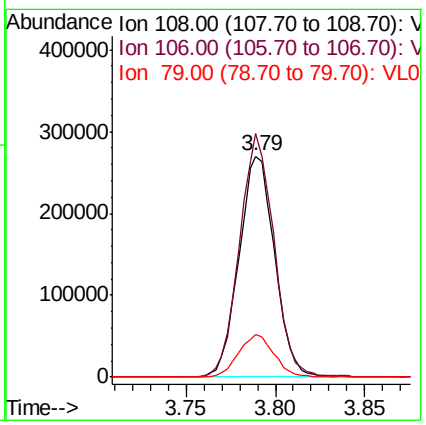


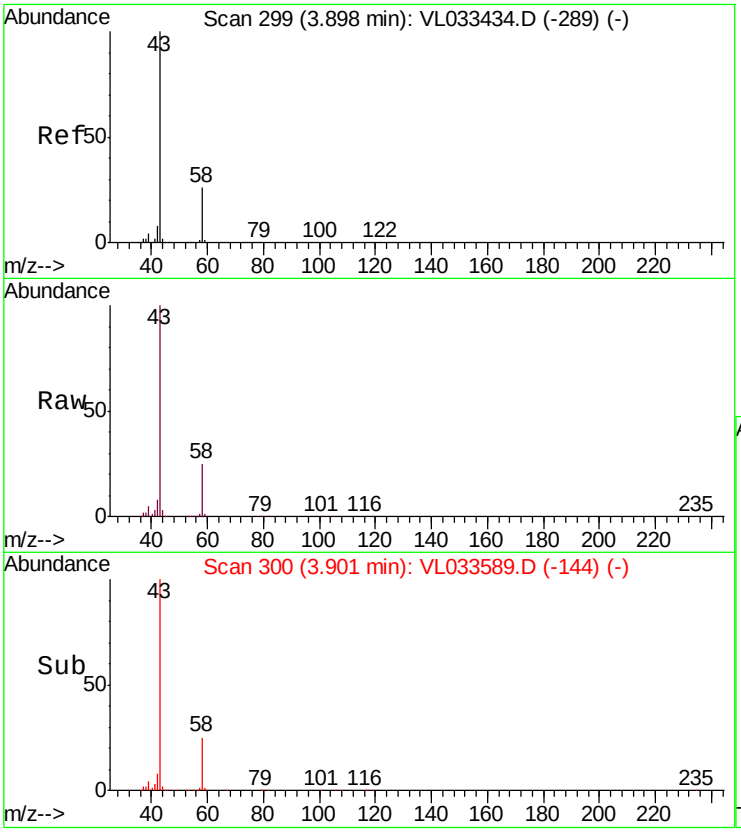




#14
Bromoethene
Concen:  9.037 ppbv
RT: 3.79 min  Scan# 265
Delta R.T.  0.00 min
Lab File:  VL033589.D
Acq: 16 Apr 2019  12:09

Tgt Ion:108 Resp:  376363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 106.7 | 86.4 | 129.6 |
| 79 | 19.2 | 15.8 | 23.8 |



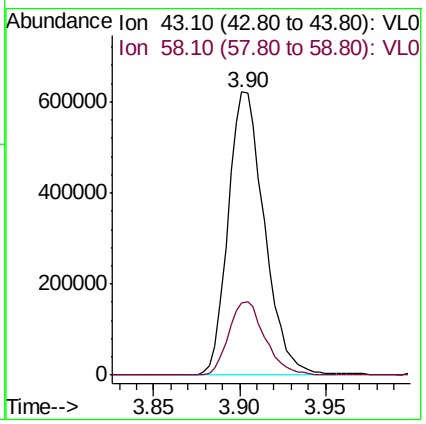


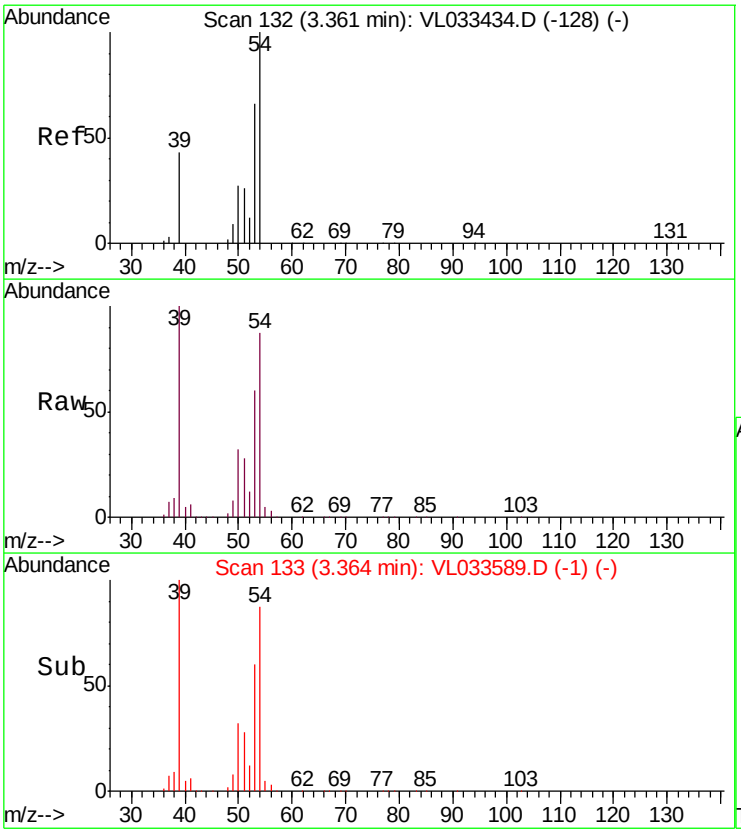

#15
Acetone
Concen: 8.805 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 43 Resp: 915642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.1 | 20.5 | 30.7 |

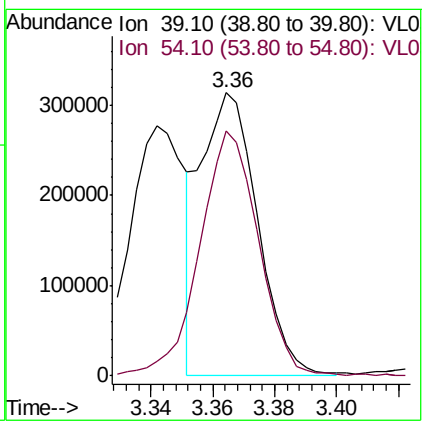


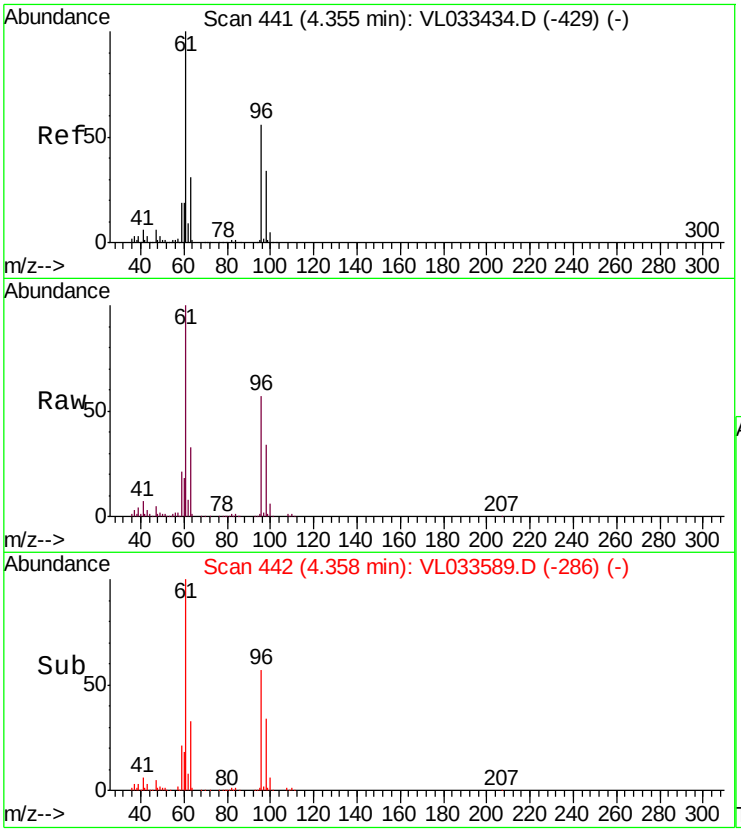




#16
1,3-Butadiene
Concen: 9.604 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 39 Resp: 396150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 91.3 | 69.4 | 104.2 |



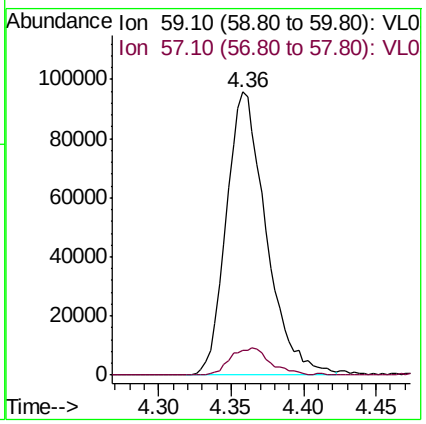


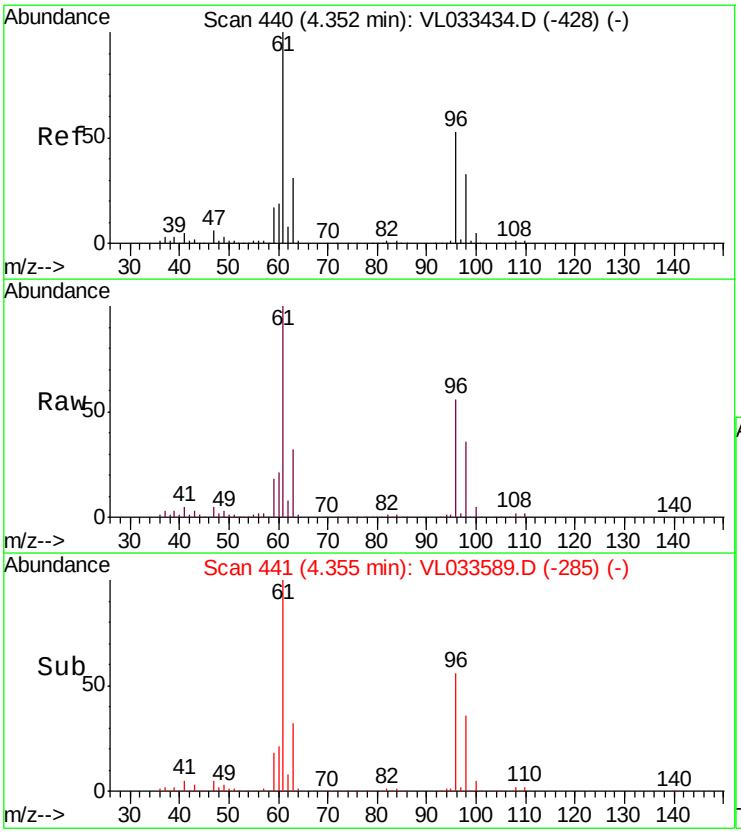

#17
tert-Butyl alcohol
Concen: 9.559 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 59 Resp: 182774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 7.8 | 11.8 |

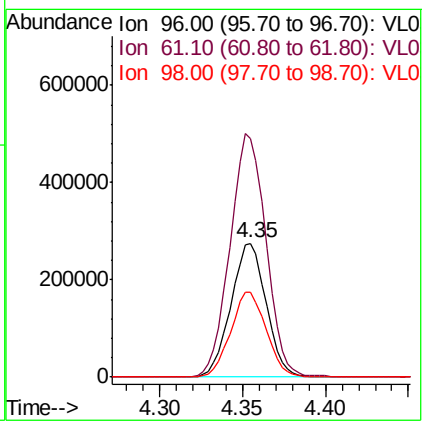


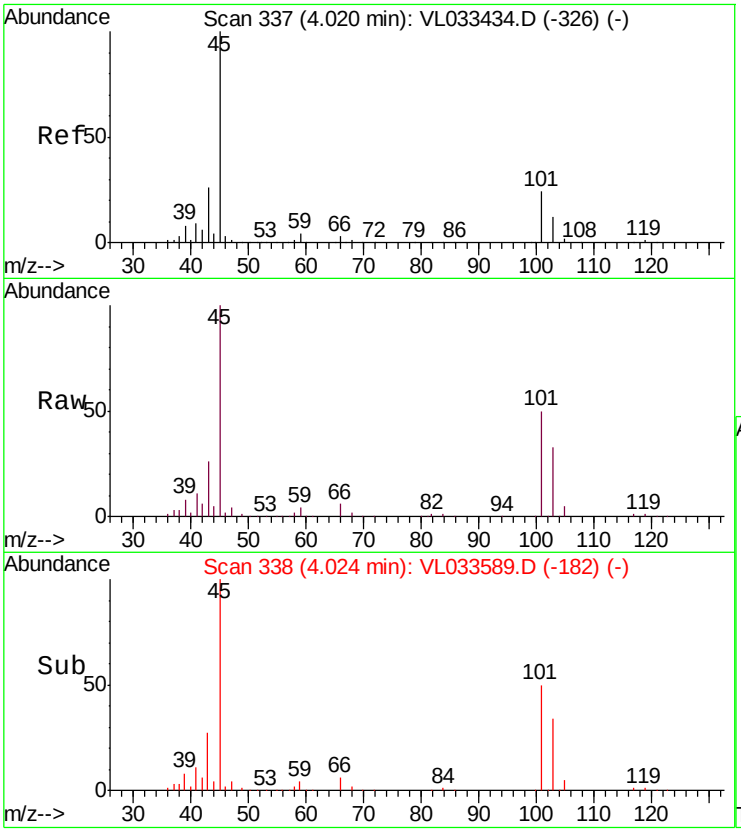




#18
1,1-Dichloroethene
Concen: 9.077 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 96 Resp: 407117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.5 | 149.8 | 224.6 |
| 98 | 63.5 | 48.7 | 73.1 |



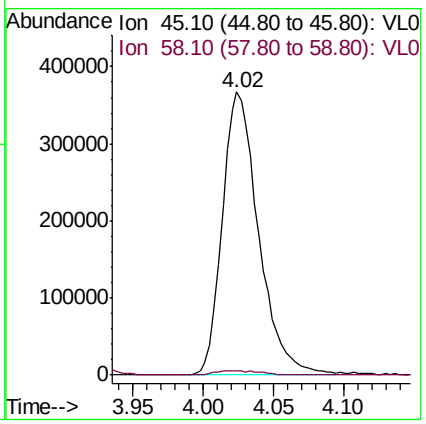


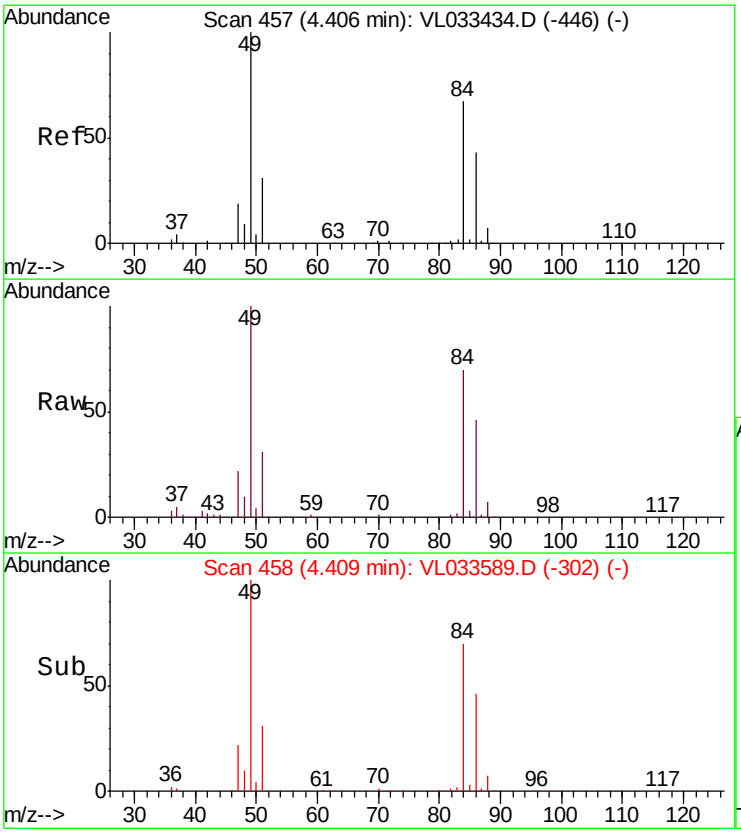

#19
Isopropyl Alcohol
Concen: 10.019 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 45 Resp: 659008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 2.5 | 1.4 | 2.2# |

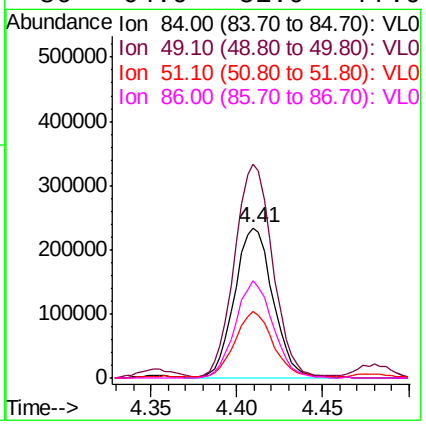


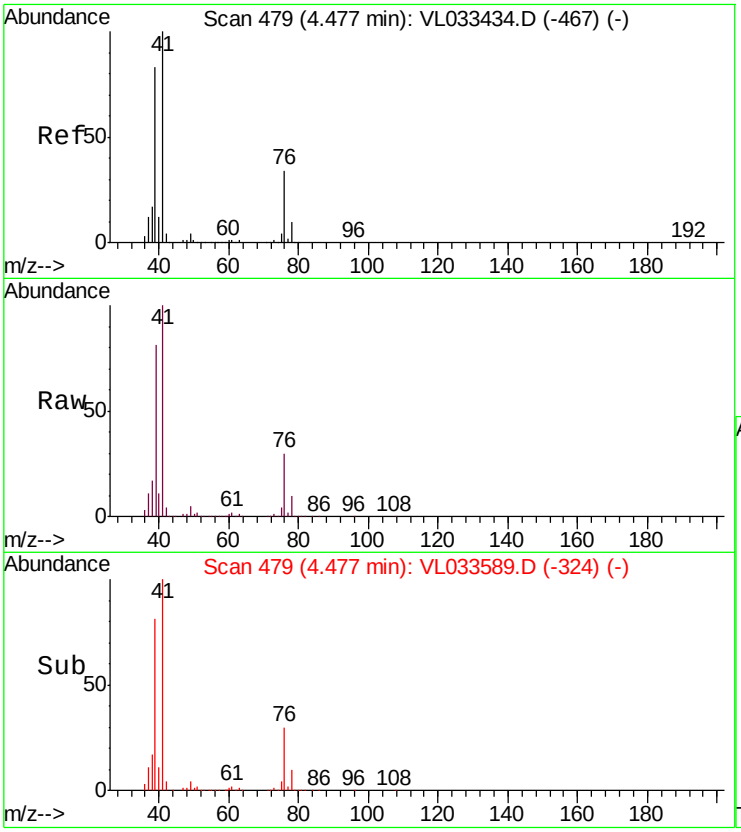




#20
Methylene Chloride
Concen: 8.170 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 84 Resp: 360641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 141.5 | 120.0 | 180.0 |
| 51 | 43.7 | 36.7 | 55.1 |
| 86 | 64.9 | 51.9 | 77.9 |



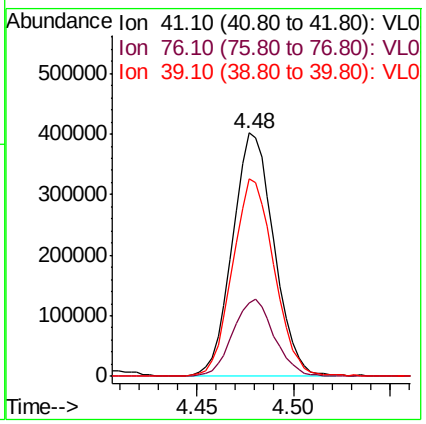


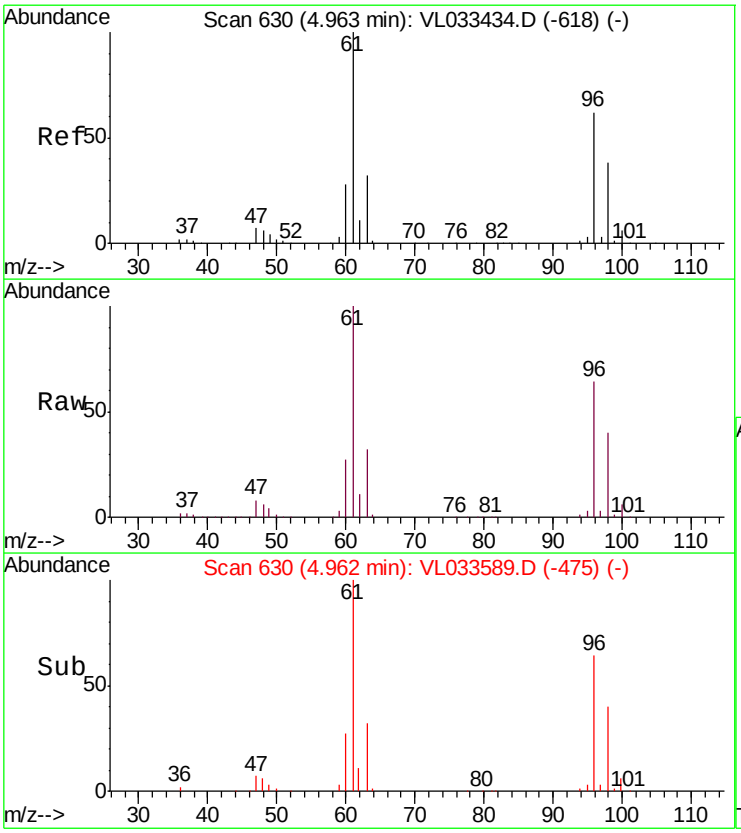

#21
Allyl Chloride
Concen: 9.055 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 41 Resp: 595265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 31.7 | 25.4 | 38.2 |
| 39 | 81.9 | 65.3 | 97.9 |

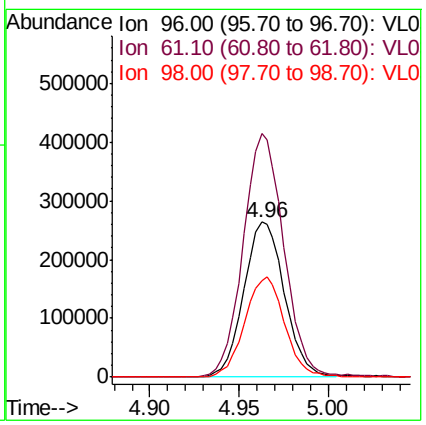


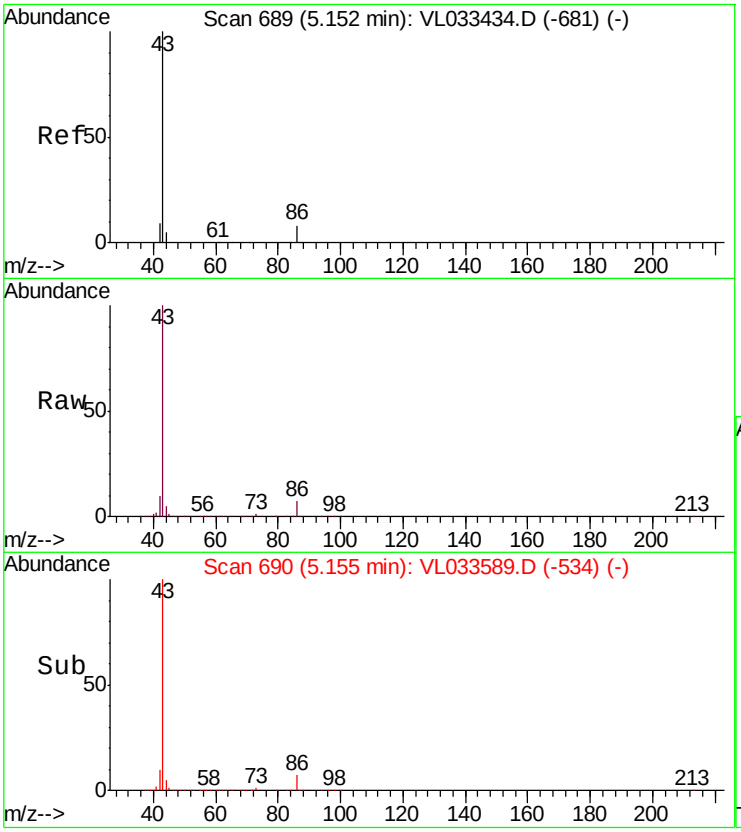




#22
trans-1,2-Dichloroethene
Concen: 9.000 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 96 Resp: 421156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 157.0 | 128.9 | 193.3 |
| 98 | 62.2 | 49.5 | 74.3 |



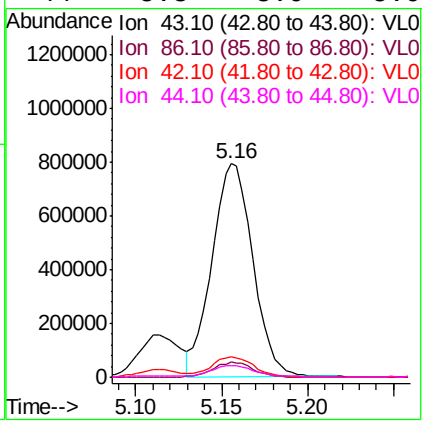


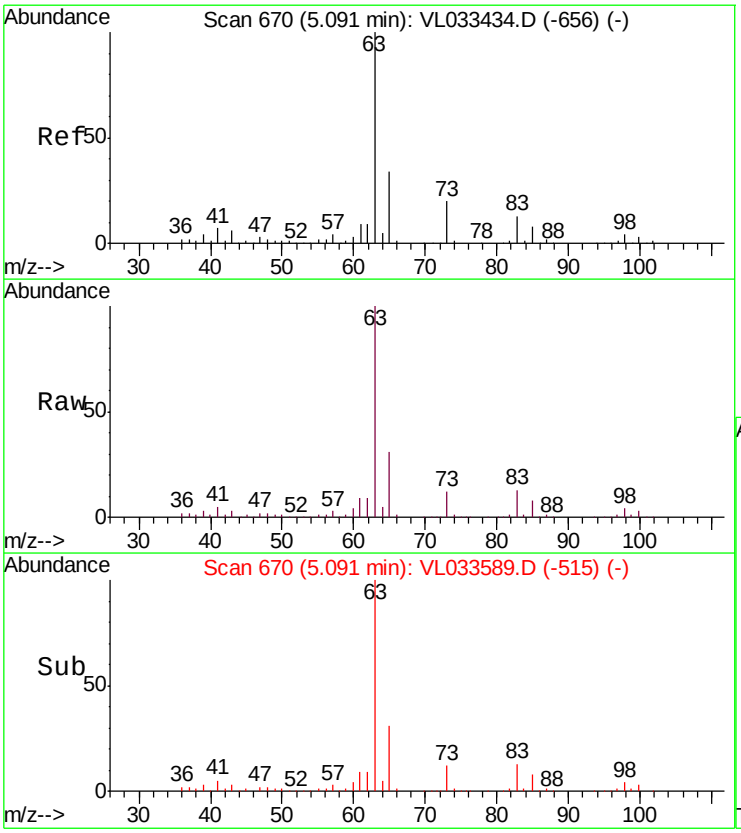

#23
Vinyl Acetate
Concen: 8.901 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 43 Resp: 1317562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.1 | 5.6 | 8.4 |
| 42 | 9.8 | 8.0 | 12.0 |
| 44 | 5.3 | 3.9 | 5.9 |

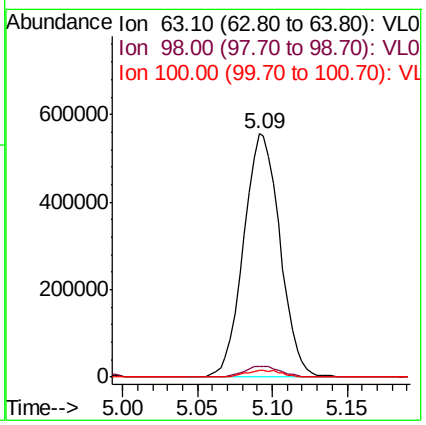


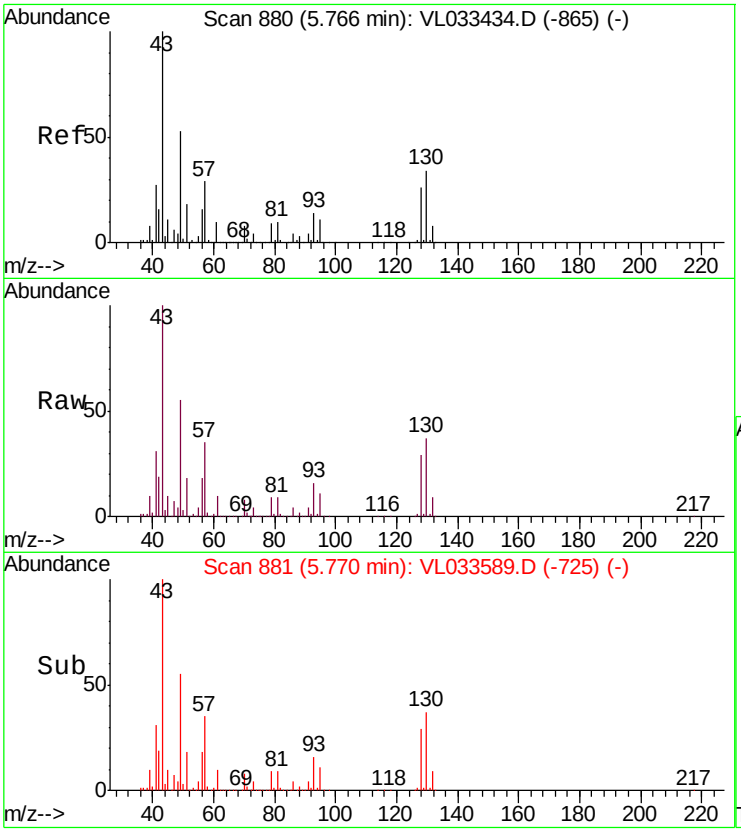




#24
1,1-Dichloroethane
Concen: 8.369 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 63 Resp: 940991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.2 | 2.2 | 6.6 |
| 100 | 2.8 | 1.5 | 4.4 |



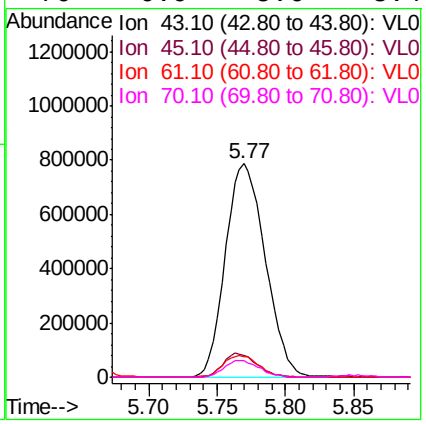


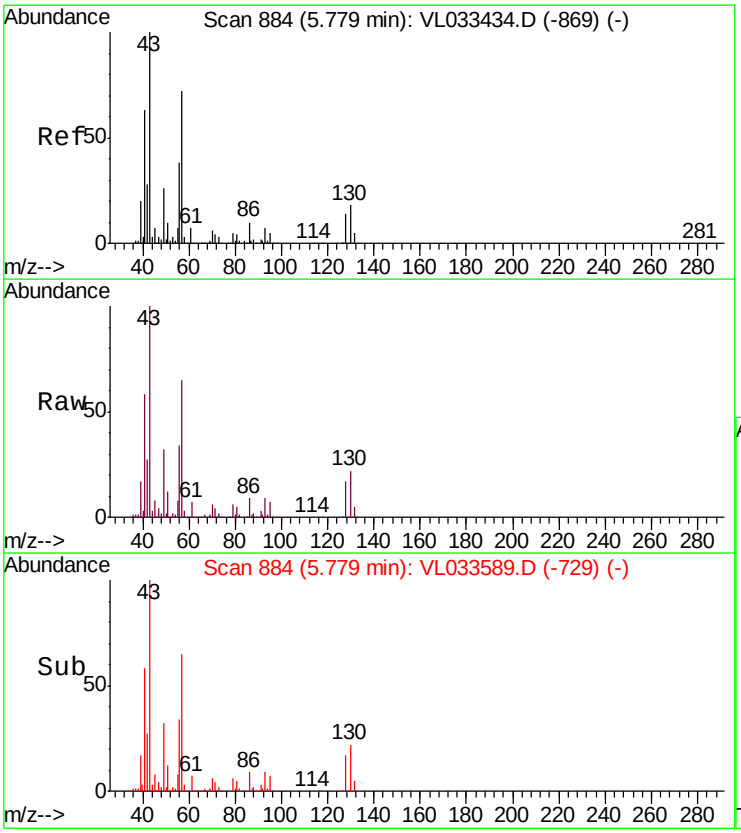

#25
Ethyl Acetate
Concen: 8.283 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 43 Resp: 1598163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.8 | 7.8 | 11.6 |
| 61 | 9.4 | 7.3 | 10.9 |
| 70 | 6.9 | 5.6 | 8.4 |

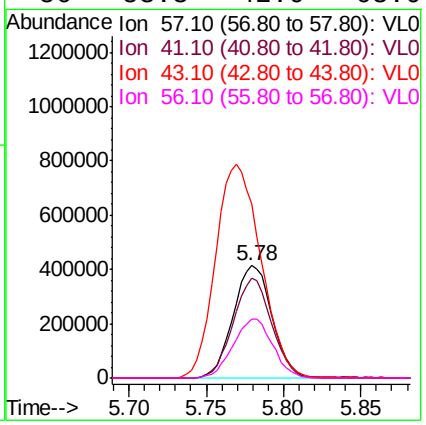


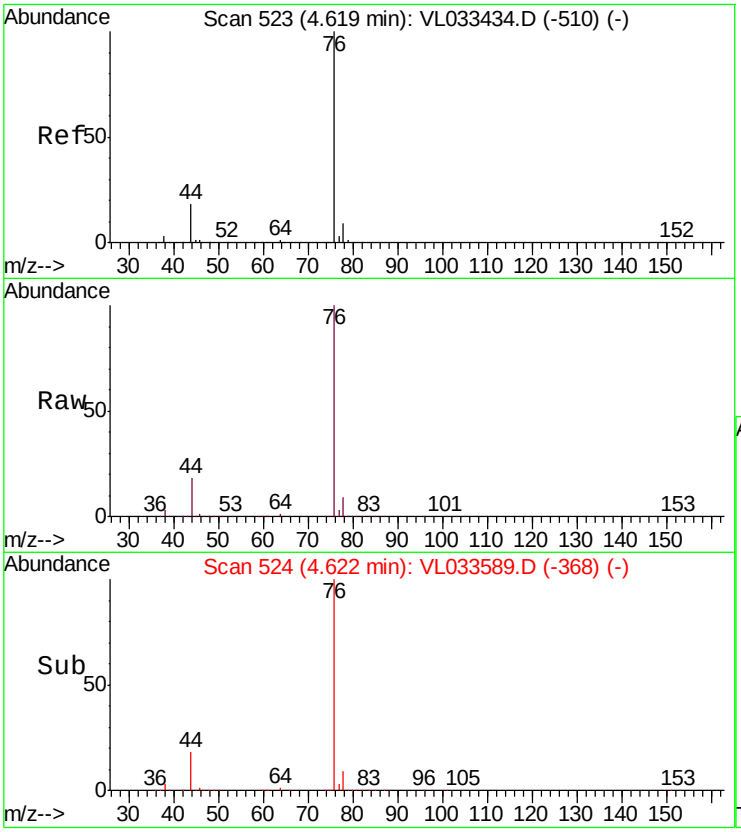




#26
Hexane
Concen: 8.398 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 57 Resp: 720507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 88.5 | 70.7 | 106.1 |
| 43 | 222.9 | 182.6 | 274.0 |
| 56 | 53.3 | 42.0 | 63.0 |



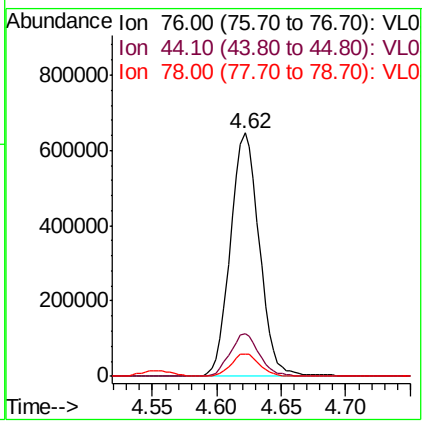


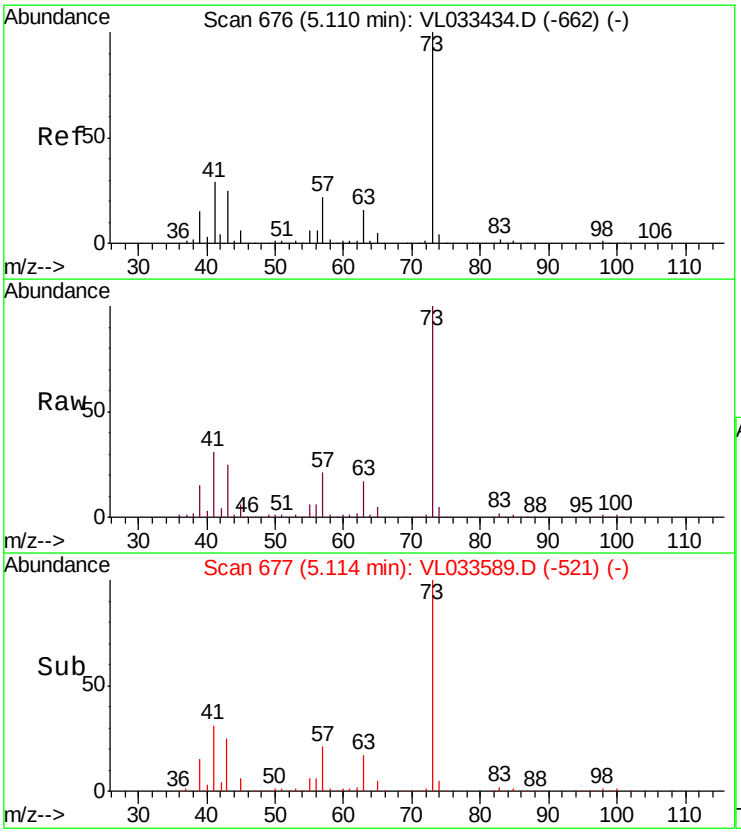

#27
Carbon Disulfide
Concen: 9.878 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 76 Resp: 1007711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 17.3 | 14.8 | 22.2 |
| 78 | 9.3 | 7.6 | 11.4 |

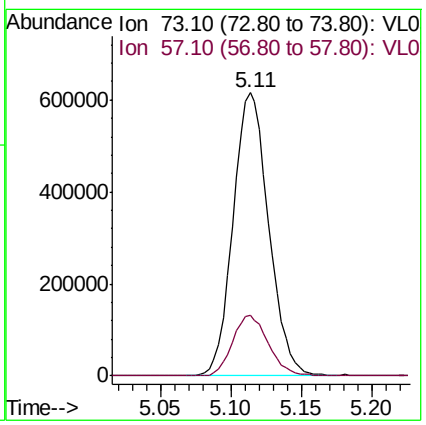


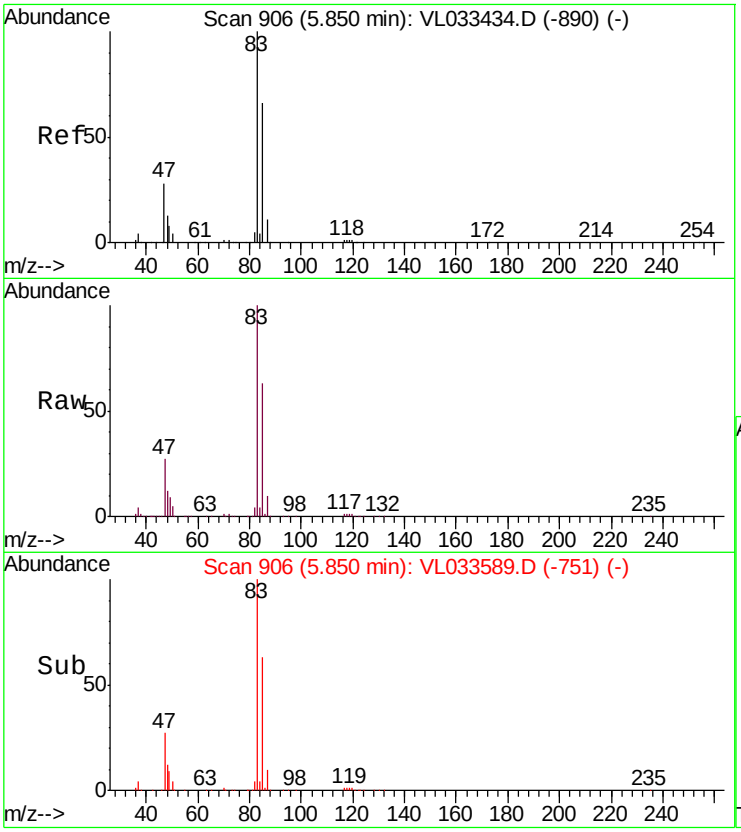




#28
Methyl tert-Butyl Ether
Concen: 8.818 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 73 Resp: 1089639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.2 |



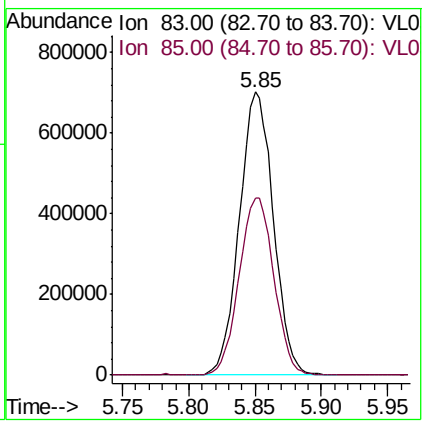


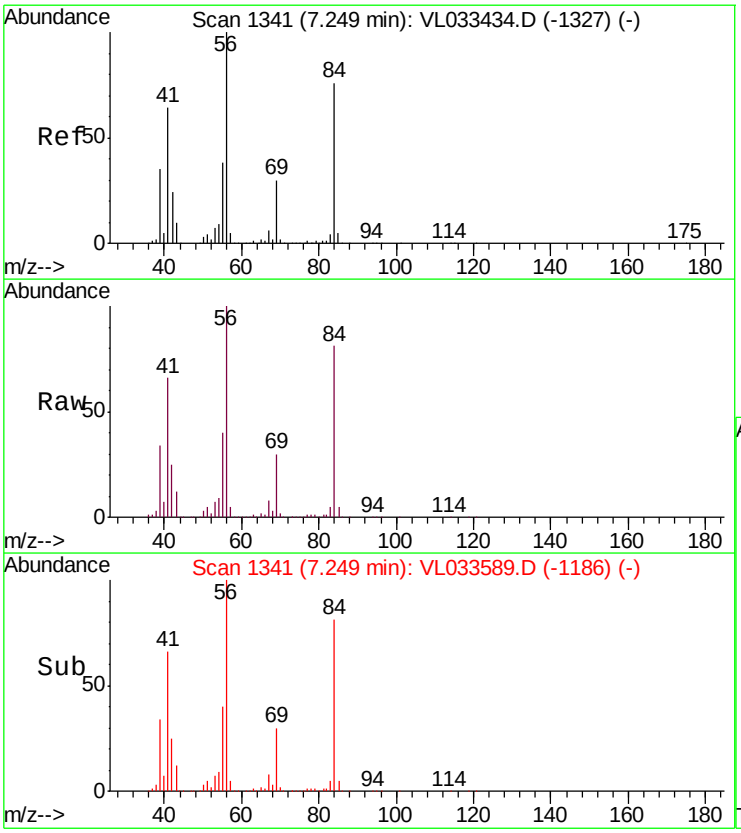

#29
Chloroform
Concen: 8.509 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 83 Resp: 1251306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 52.6 | 79.0 |

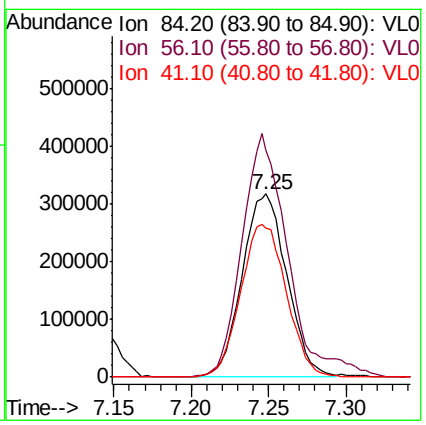


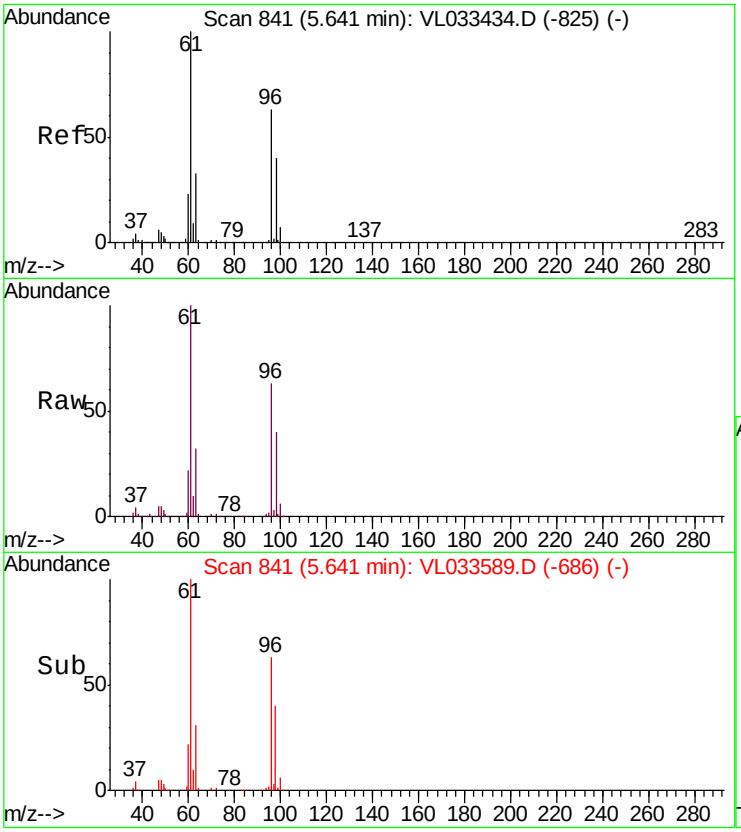




#30
Cyclohexane
Concen: 9.388 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 84 Resp: 637166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 136.6 | 109.7 | 164.5 |
| 41 | 85.2 | 68.2 | 102.2 |



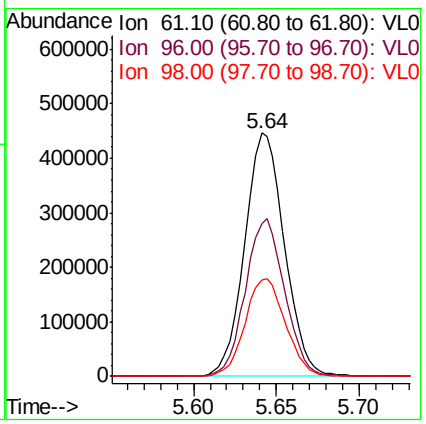


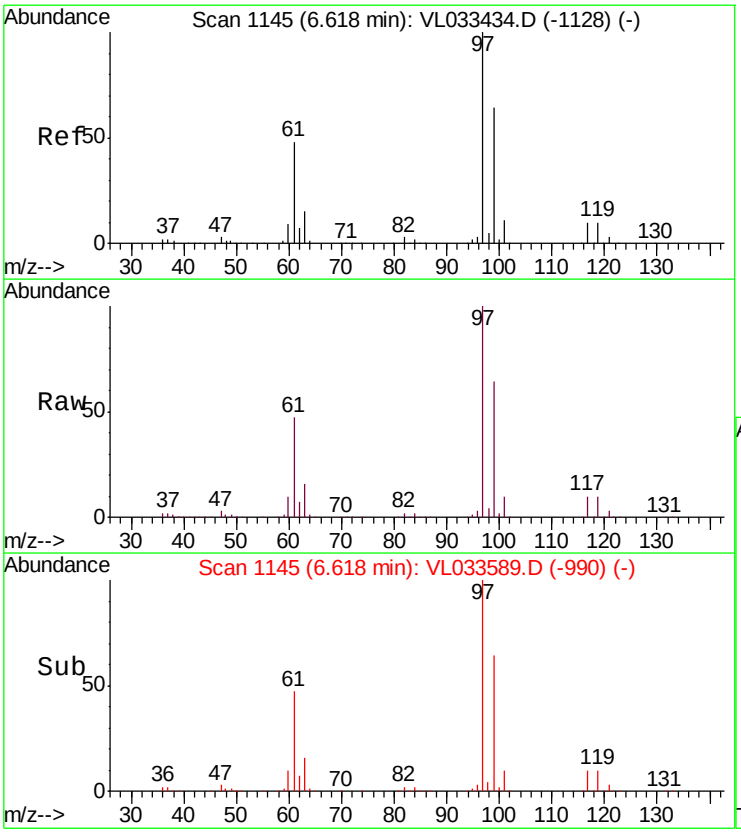

#31
cis-1,2-Dichloroethene
Concen: 8.720 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 61 Resp: 743758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 62.8 | 50.6 | 76.0 |
| 98 | 39.8 | 32.2 | 48.2 |

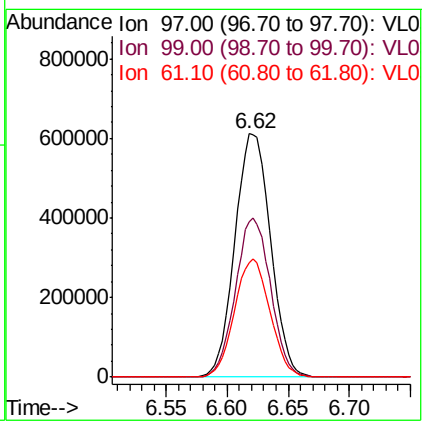


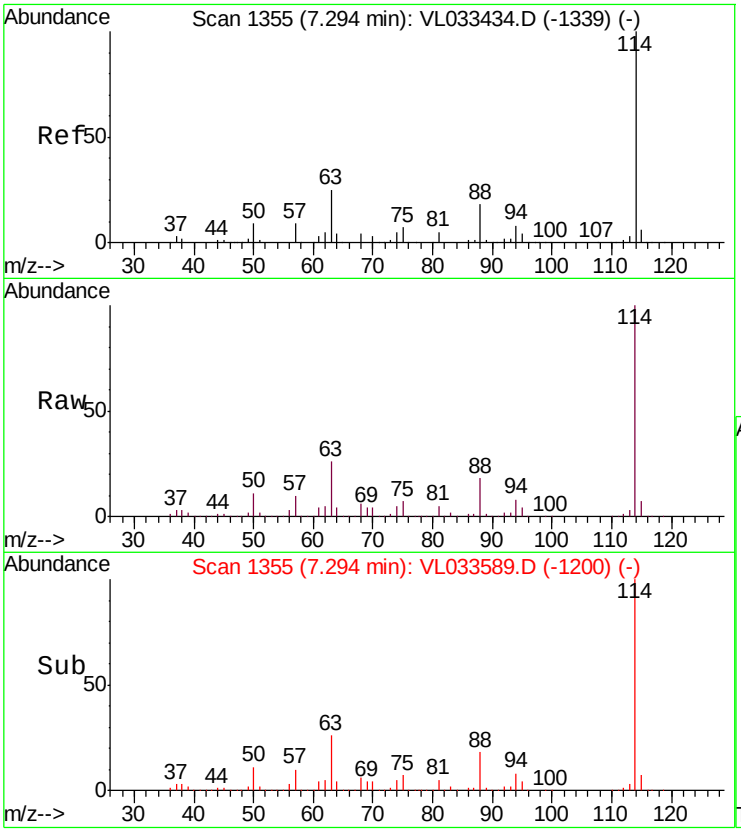




#32
1,1,1-Trichloroethane
Concen: 8.844 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 97 Resp: 1238512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.2 | 51.5 | 77.3 |
| 61 | 48.2 | 38.8 | 58.2 |



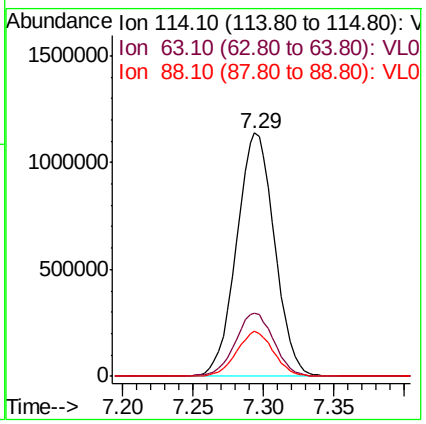


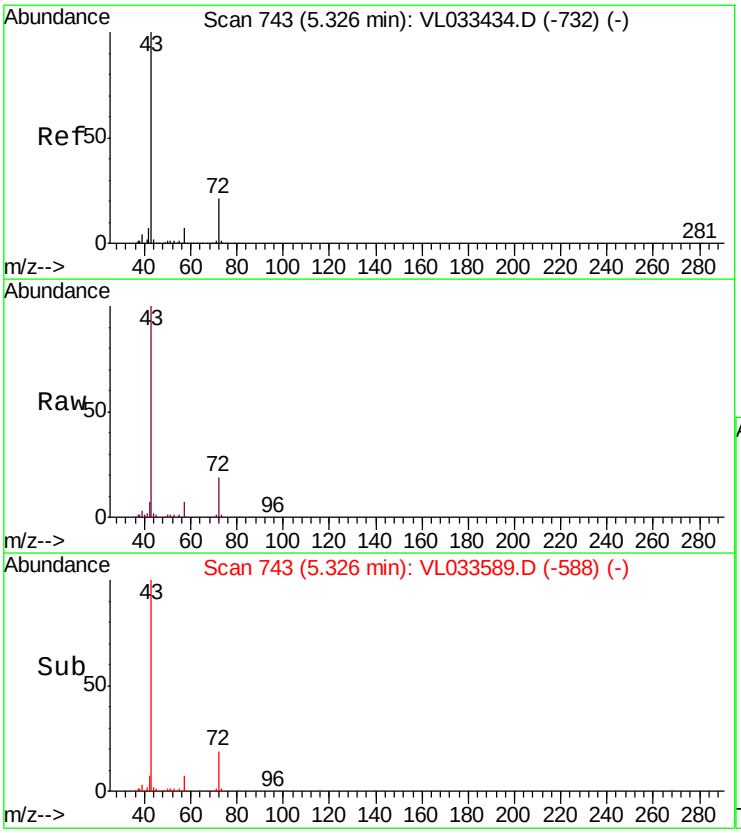

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:114 Resp: 2148908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.8 | 21.5 | 32.3 |
| 88 | 17.9 | 14.5 | 21.7 |

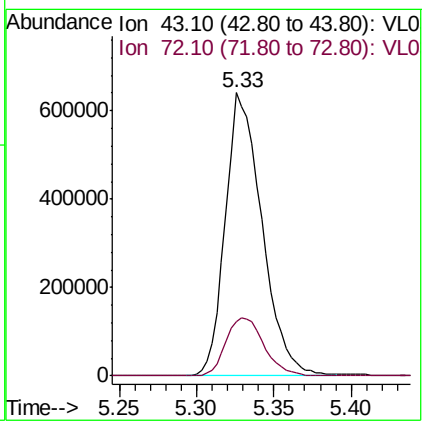


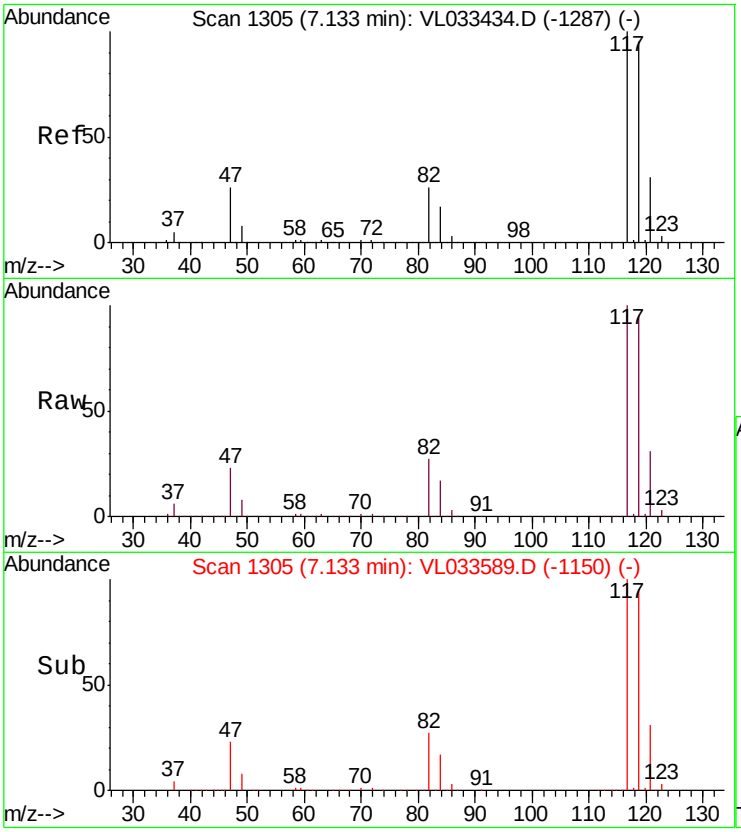




#34
2-Butanone
Concen: 8.119 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 43 Resp: 1048186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.6 | 17.4 | 26.2 |



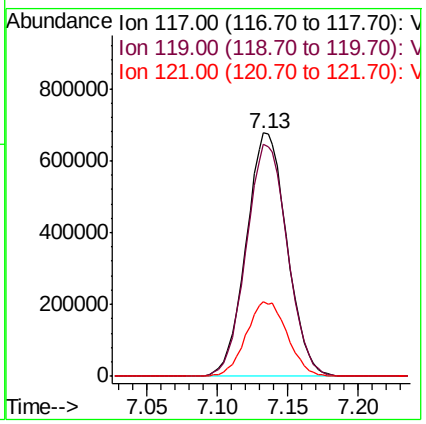


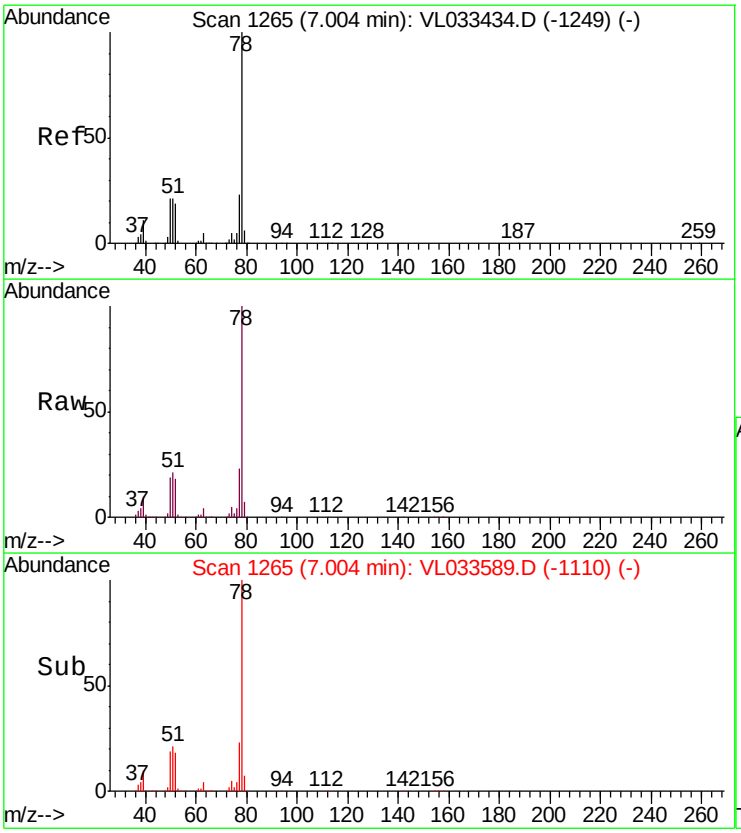

#35
Carbon Tetrachloride
Concen: 8.983 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:117 Resp: 1367300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 75.8 | 113.8 |
| 121 | 31.1 | 24.7 | 37.1 |

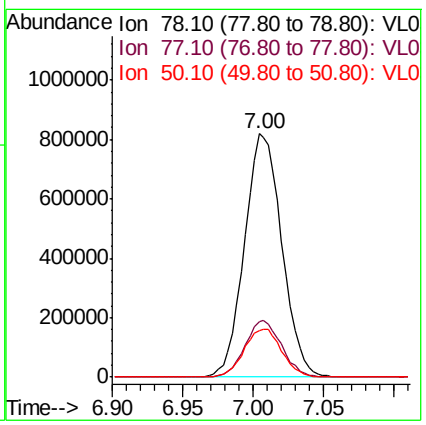


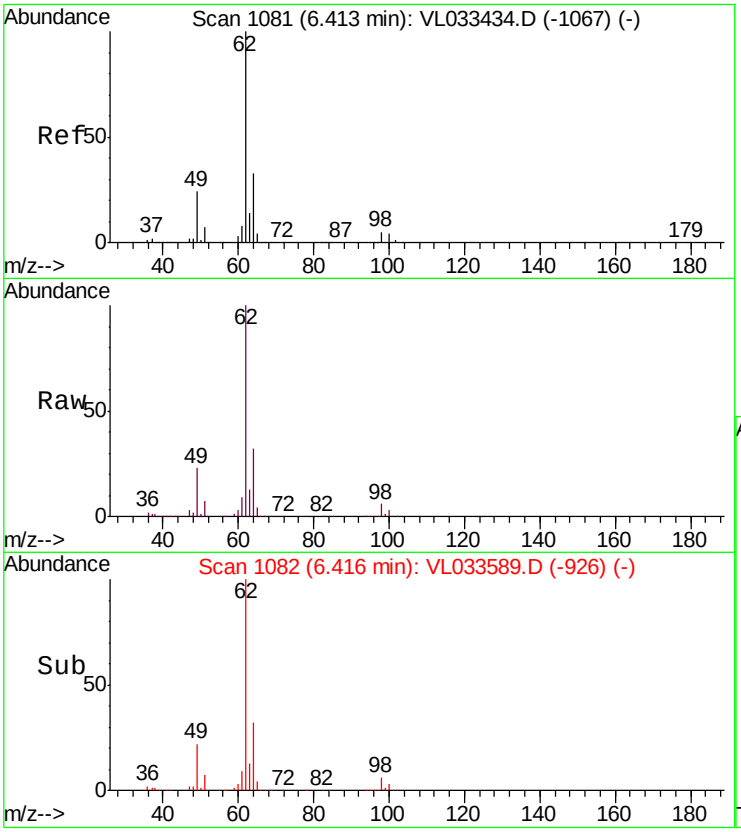




#36
Benzene
Concen: 8.432 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 78 Resp: 1520314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.6 | 18.1 | 27.1 |
| 50 | 19.3 | 16.7 | 25.1 |



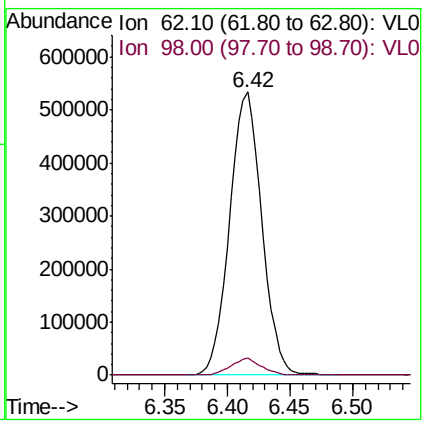


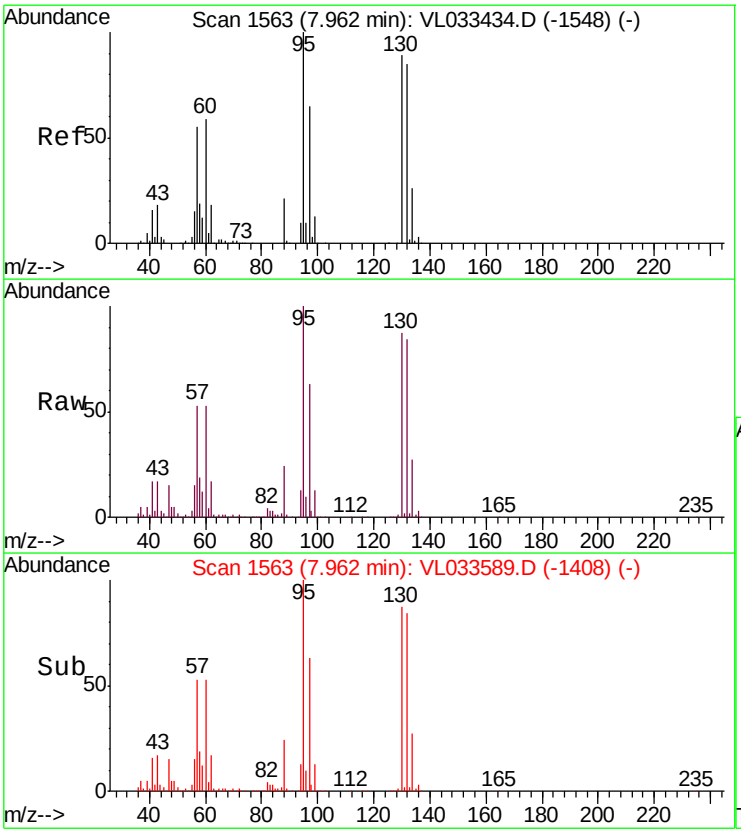

#37
1,2-Dichloroethane
Concen: 7.879 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 62 Resp: 952188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.5 | 4.4 | 6.6 |

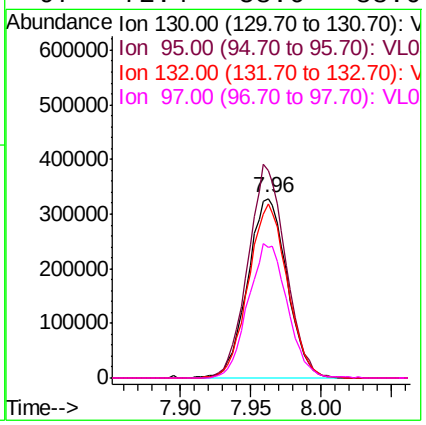


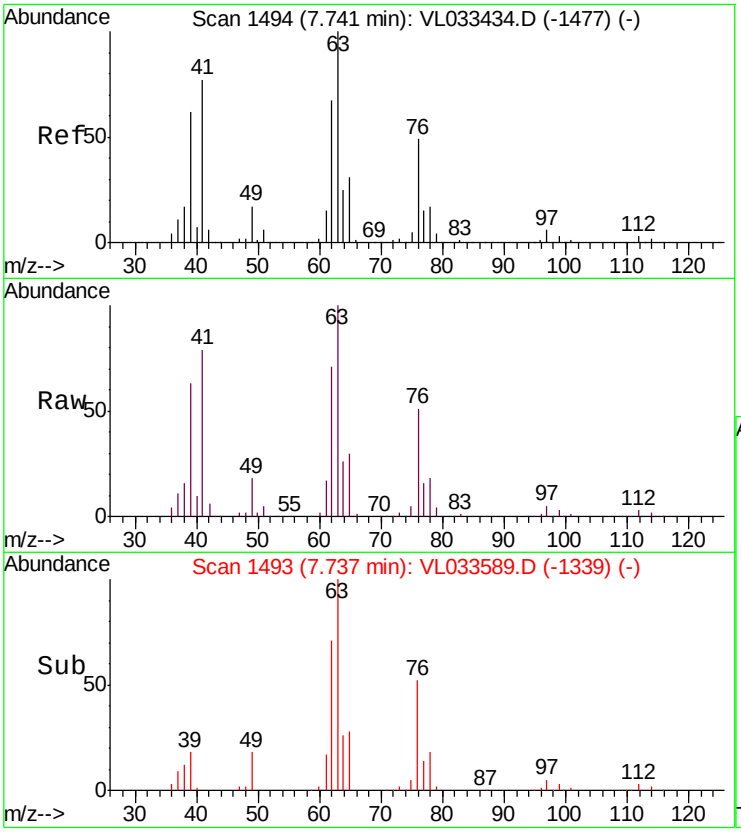




#38
Trichloroethene
Concen: 9.457 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:130 Resp: 641727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 115.5 | 89.8 | 134.8 |
| 132 | 97.0 | 76.6 | 115.0 |
| 97 | 72.4 | 58.6 | 88.0 |



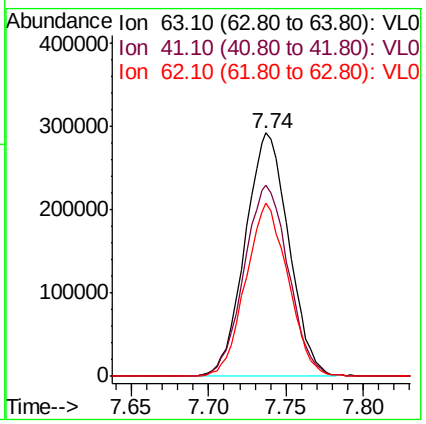


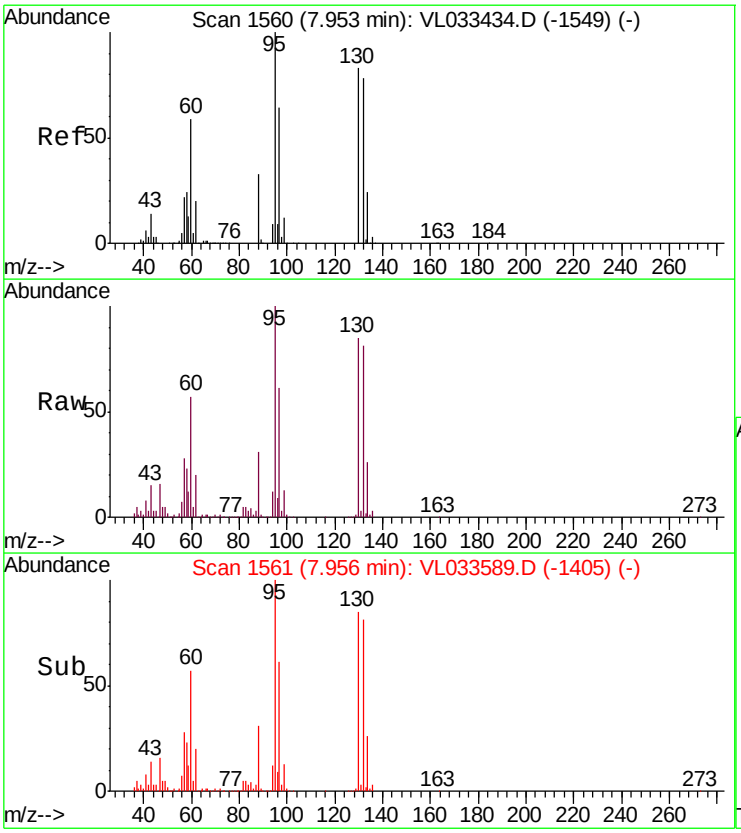

#39
1,2-Dichloropropane
Concen: 8.117 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 63 Resp: 573328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 78.6 | 61.2 | 91.8 |
| 62 | 71.1 | 54.0 | 81.0 |

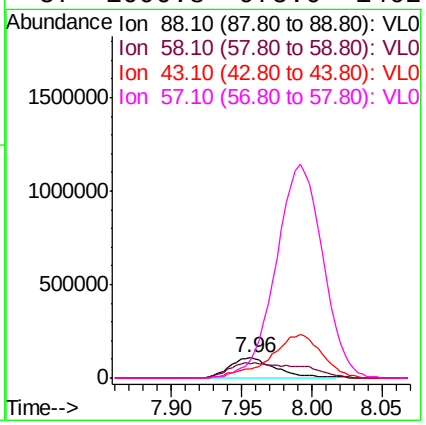


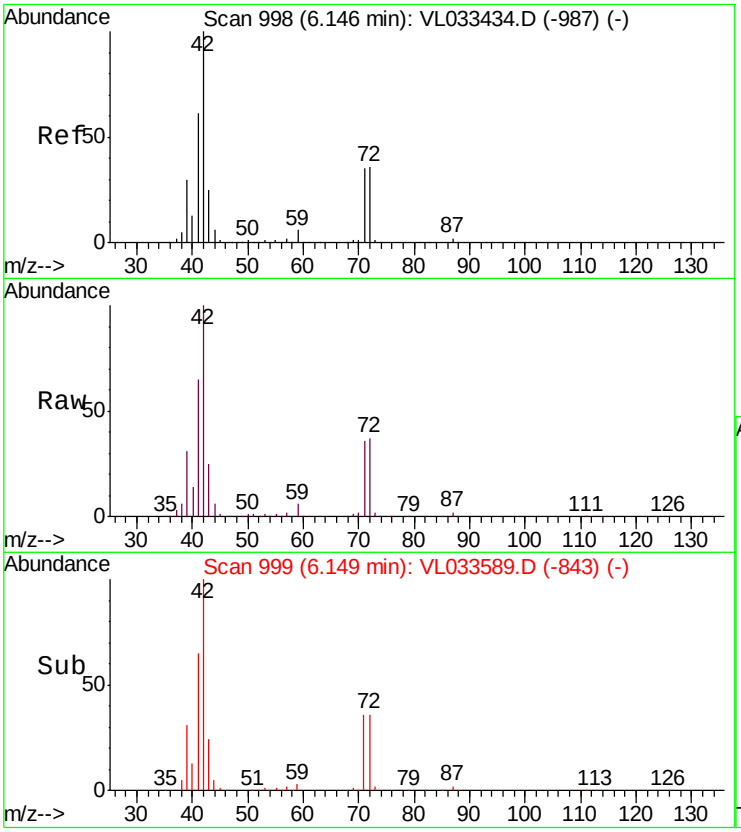




#40
1,4-Dioxane
Concen: 9.658 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 88 Resp: 243307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 125.1 | 105.6 | 158.4 |
| 43 | 245.3 | 216.7 | 325.1 |
| 57 | 1090.8 | 975.0 | 1462.4 |



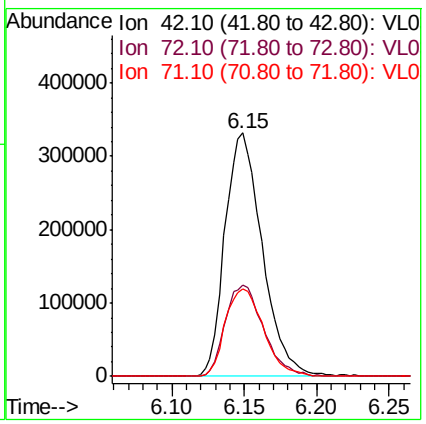


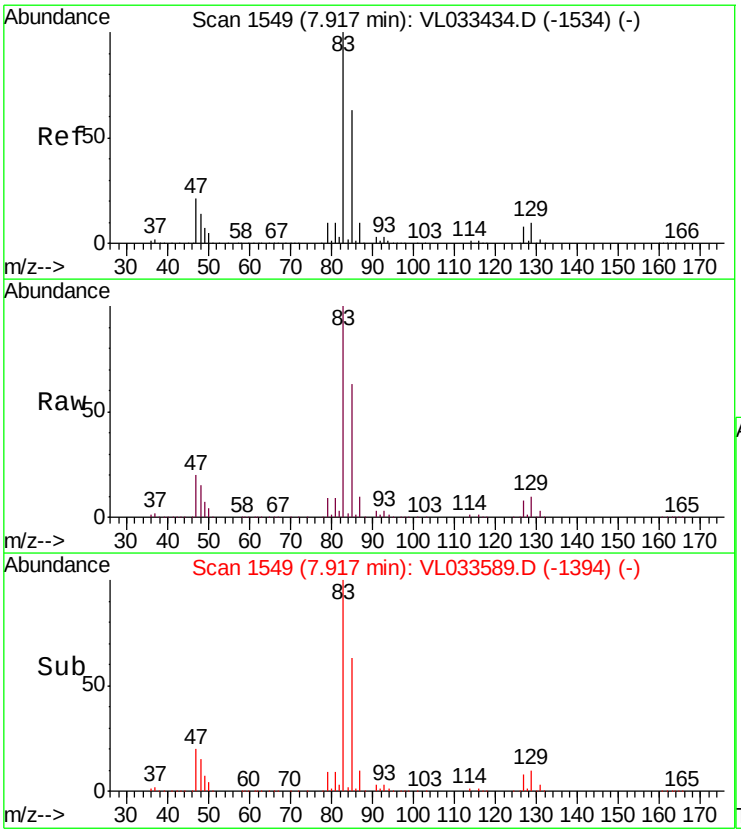

#41
Tetrahydrofuran
Concen: 8.312 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 42 Resp: 590225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.5 | 30.2 | 45.2 |
| 71 | 37.3 | 29.4 | 44.2 |

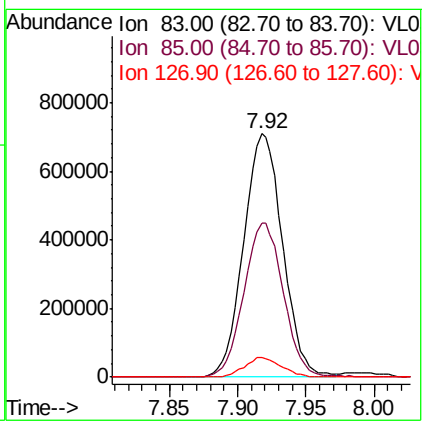


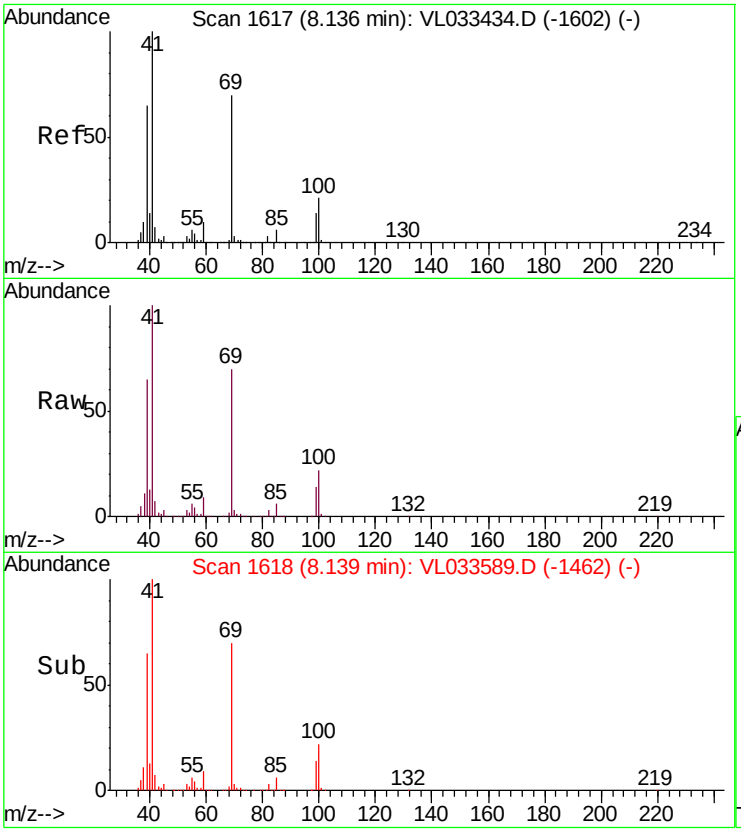




#42
Bromodichloromethane
Concen: 8.557 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 83 Resp: 1408636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.3 | 50.7 | 76.1 |
| 127 | 8.1 | 6.6 | 9.8 |



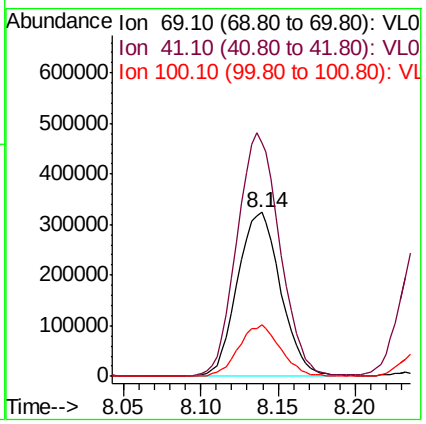


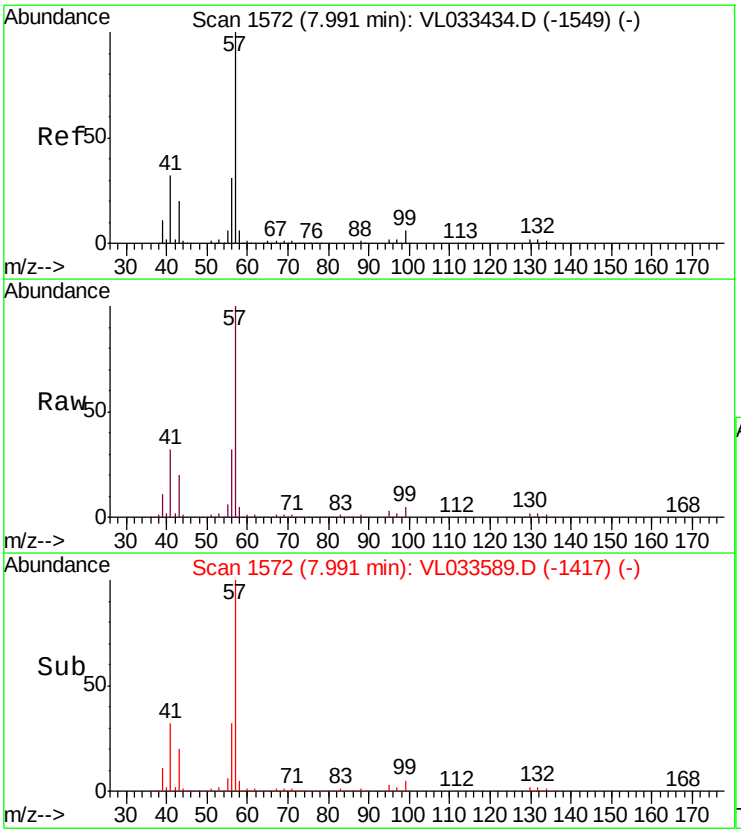

#43
Methyl Methacrylate
Concen: 8.610 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 69 Resp: 630398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 147.2 | 116.6 | 174.8 |
| 100 | 30.4 | 24.4 | 36.6 |

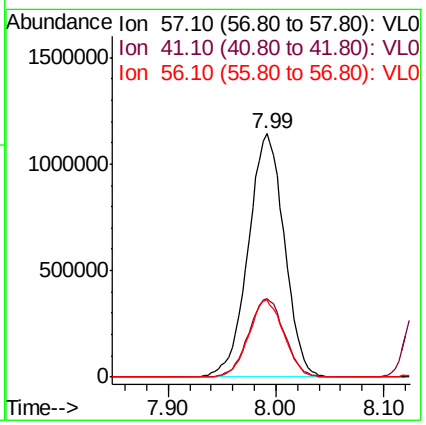


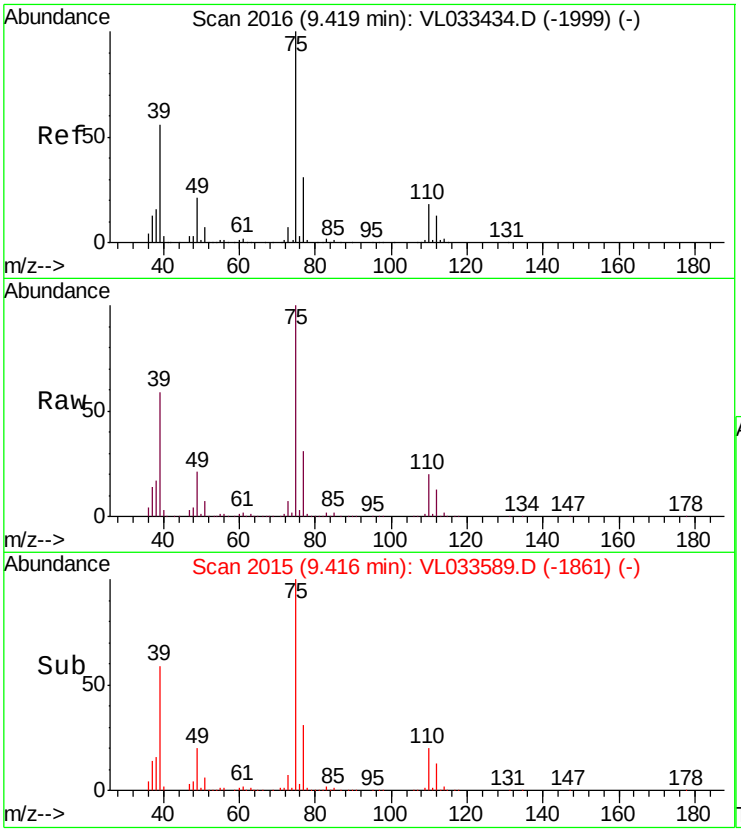




#44
2,2,4-Trimethylpentane
Concen: 8.412 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 57 Resp: 2650553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 32.2 | 26.0 | 39.0 |
| 56 | 31.0 | 24.6 | 37.0 |



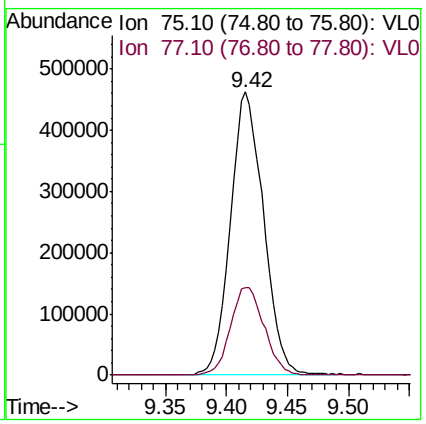


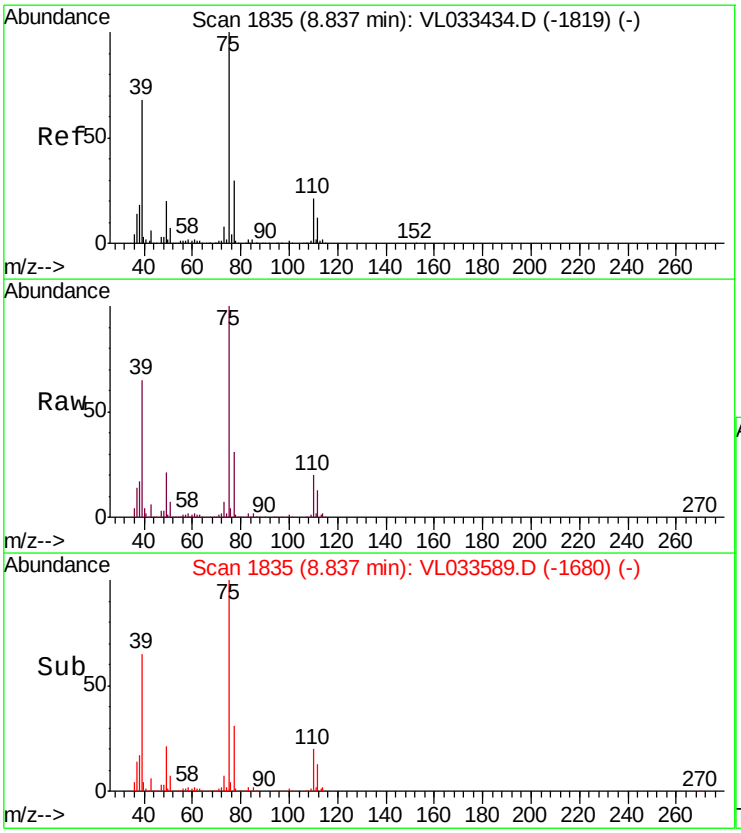

#45
t-1,3-Dichloropropene
Concen: 9.676 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 75 Resp: 869756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.5 | 36.7 |

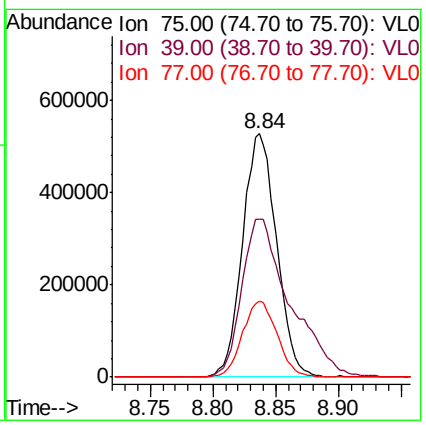


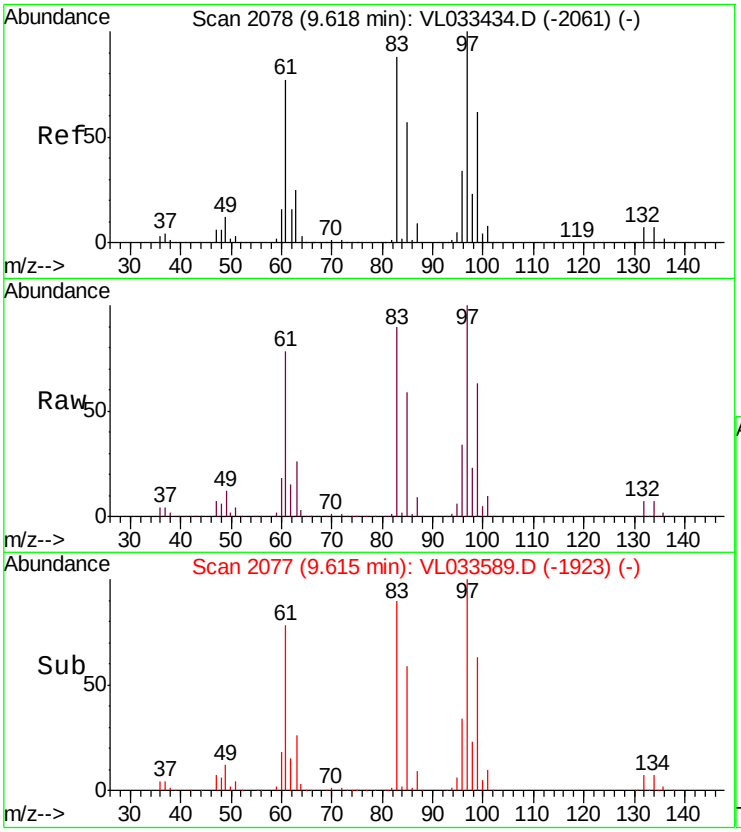




#46
cis-1,3-Dichloropropene
Concen: 9.456 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 75 Resp: 992628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 65.0 | 54.1 | 81.1 |
| 77 | 31.1 | 23.9 | 35.9 |



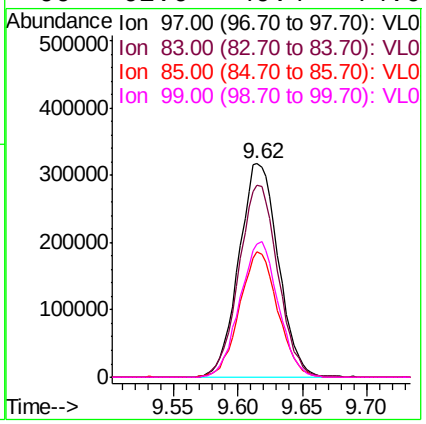


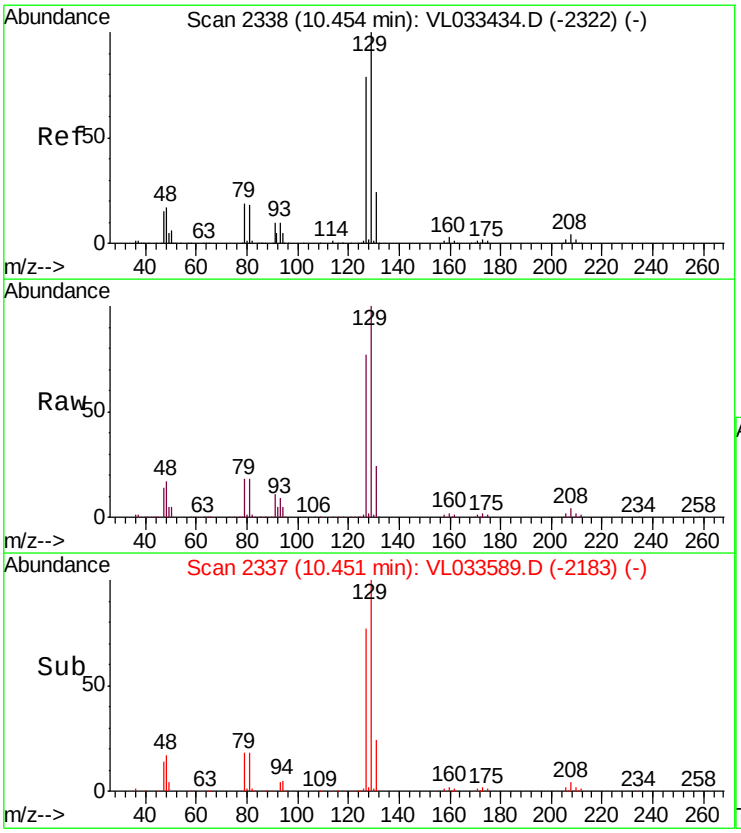

#47
1,1,2-Trichloroethane
Concen: 8.422 ppbv
RT: 9.62 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 97 Resp: 675477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.8 | 70.5 | 105.7 |
| 85 | 58.7 | 45.6 | 68.4 |
| 99 | 62.6 | 49.4 | 74.0 |

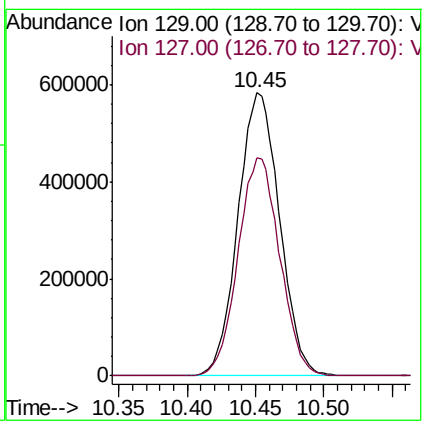


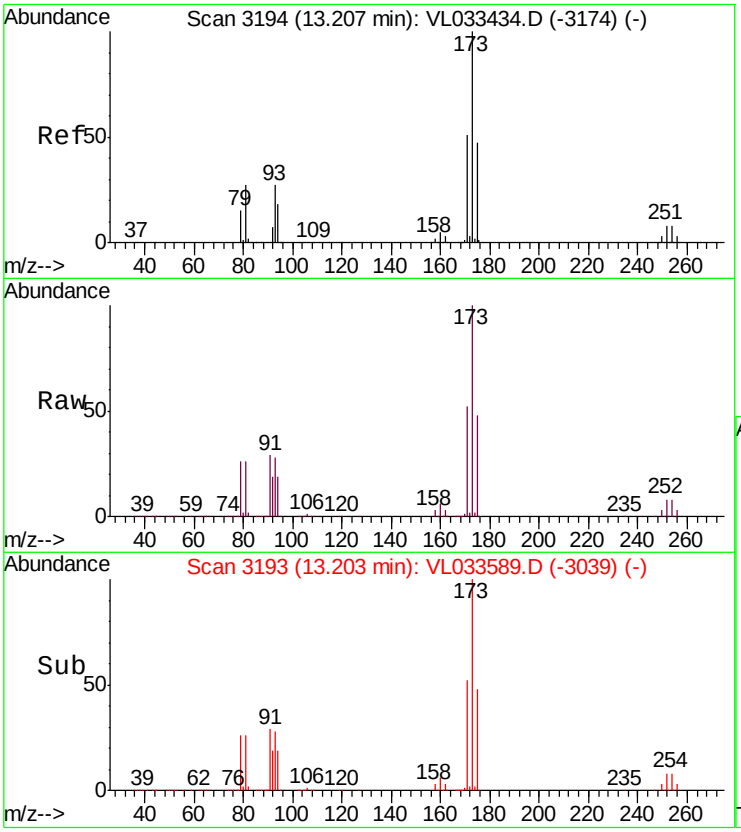




#48
Dibromochloromethane
Concen: 9.131 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:129 Resp: 1235210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 39.1 | 117.2 |



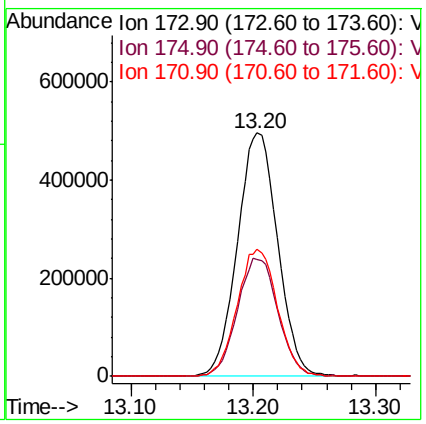


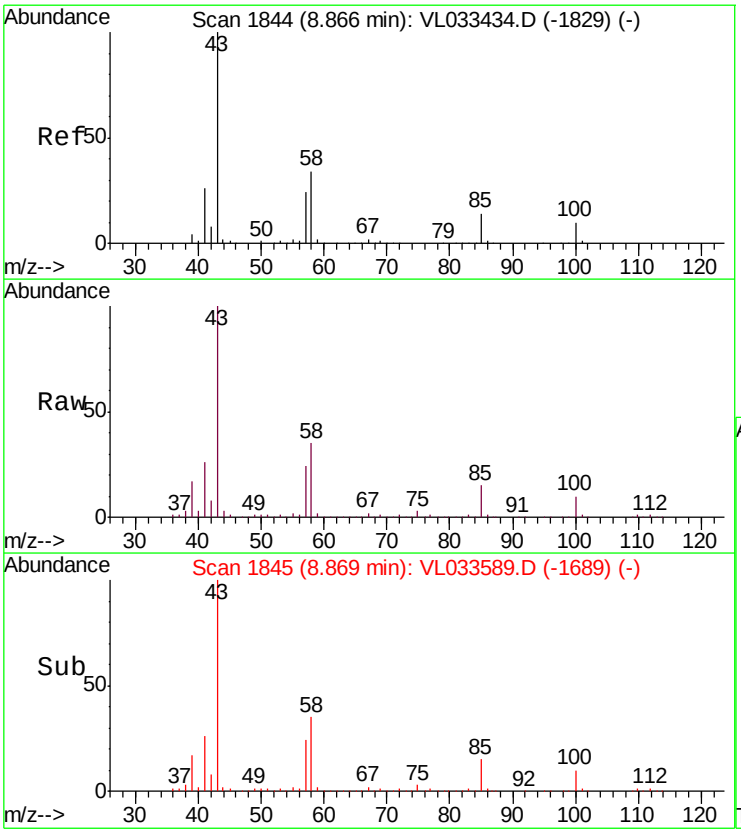

#49
Bromoform
Concen: 8.747 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion:173 Resp: 1130417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 39.3 | 58.9 |
| 171 | 52.4 | 41.2 | 61.8 |

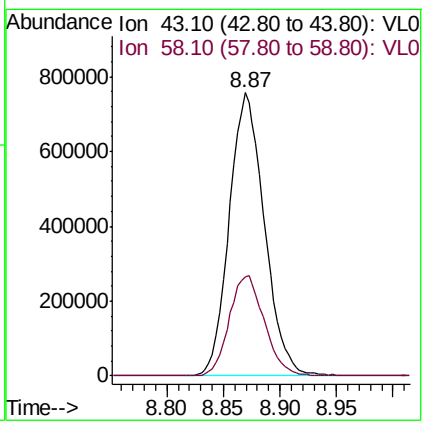


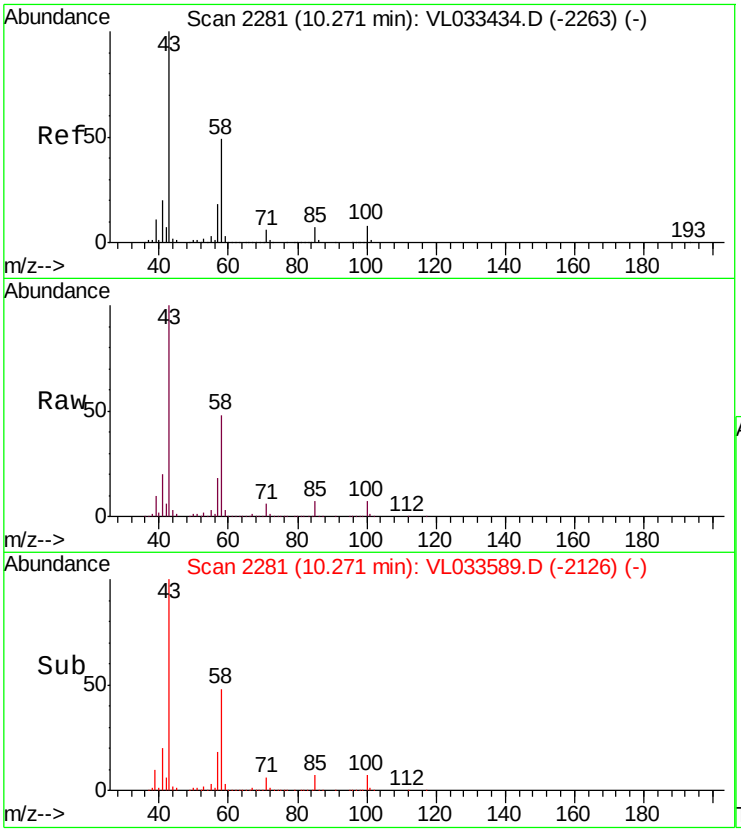




#50
4-Methyl-2-Pentanone
Concen: 8.652 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 43 Resp: 1635737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.4 | 28.0 | 42.0 |



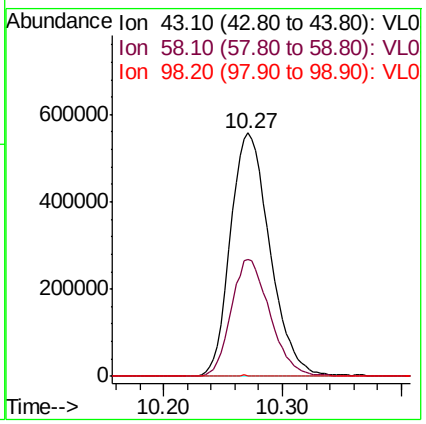


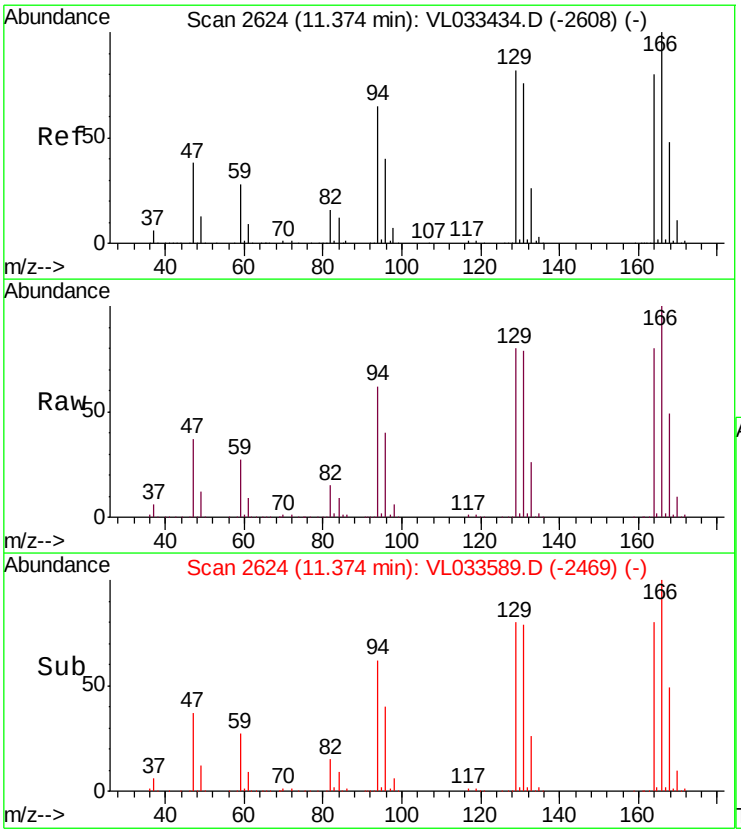

#51
2-Hexanone
Concen: 9.106 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 43 Resp: 1284158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.3 | 38.2 | 57.2 |
| 98 | 0.3 | 0.2 | 0.2# |

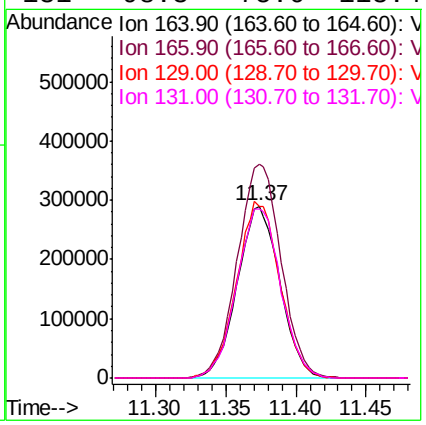


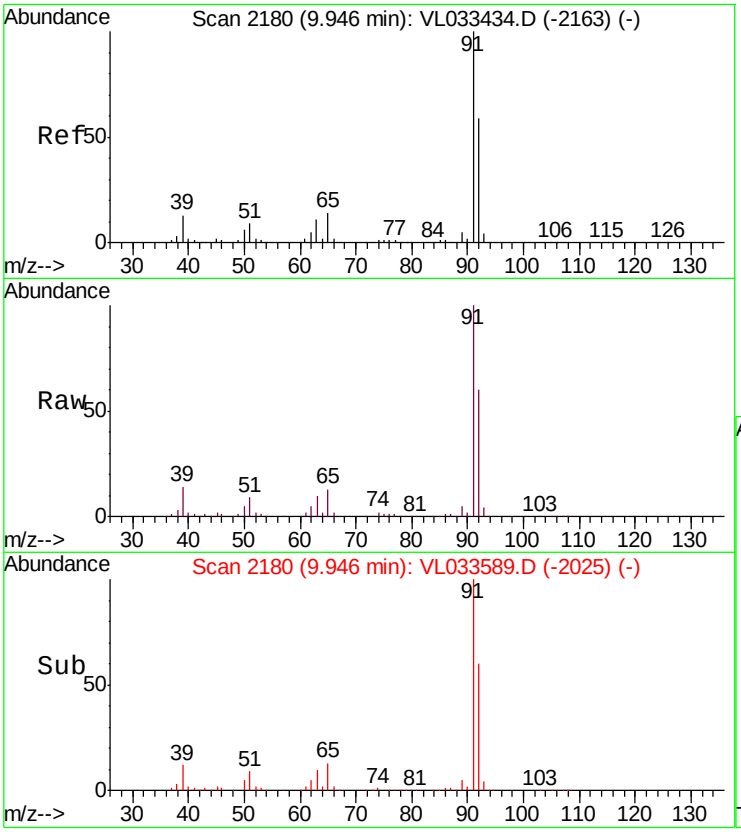




#52
Tetrachloroethene
Concen: 8.967 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:164 Resp: 610046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.1 | 99.5 | 149.3 |
| 129 | 99.9 | 81.4 | 122.2 |
| 131 | 98.3 | 75.6 | 113.4 |



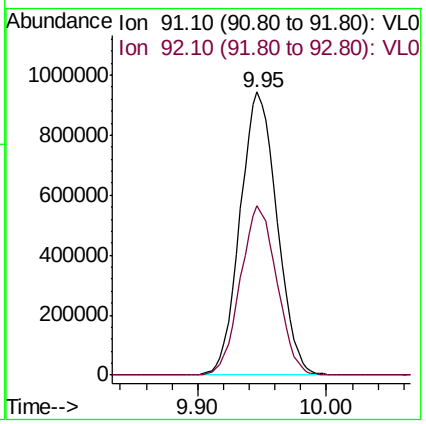


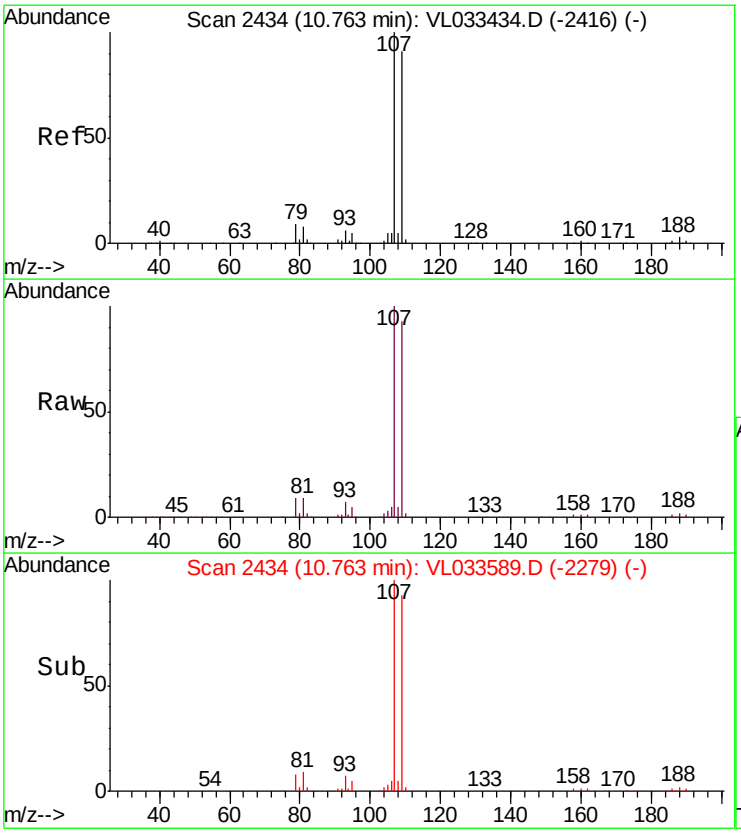

#53
Toluene
Concen: 8.978 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 91 Resp: 1881104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.3 | 47.4 | 71.0 |

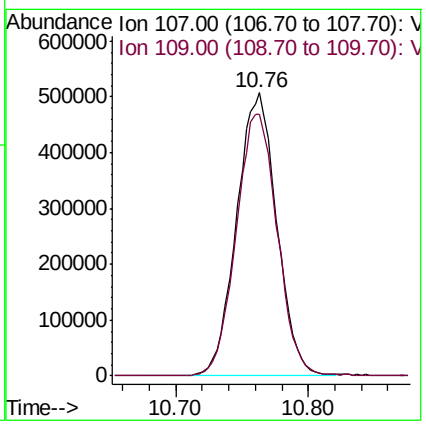


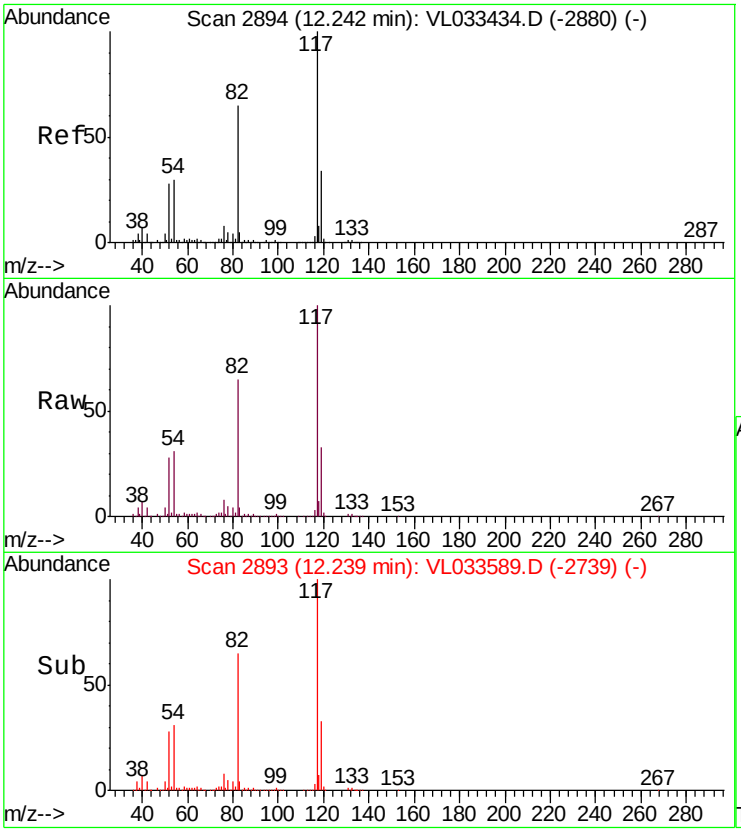




#54
1,2-Dibromoethane
Concen: 8.510 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:107 Resp: 1067599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 72.7 | 109.1 |



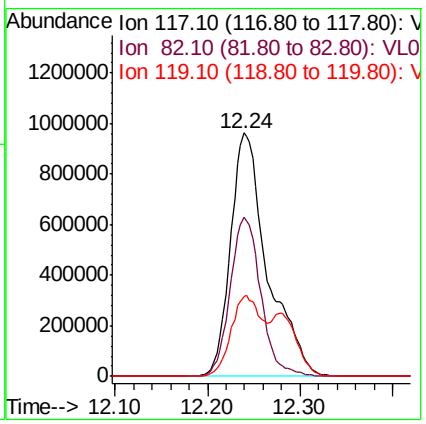


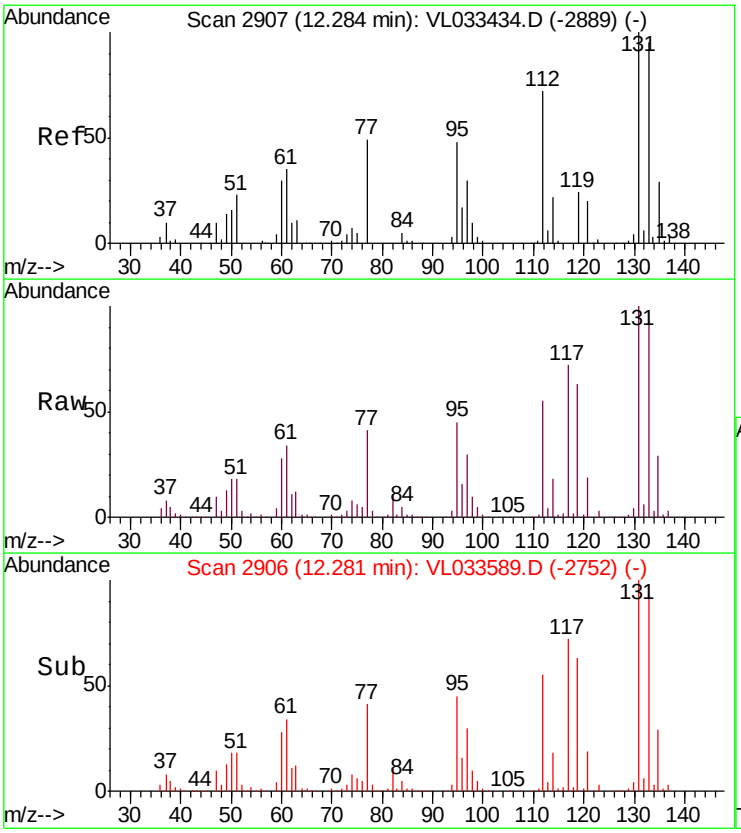

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion:117 Resp: 2665688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.4 | 51.5 | 77.3 |
| 119 | 45.9 | 25.5 | 38.3# |

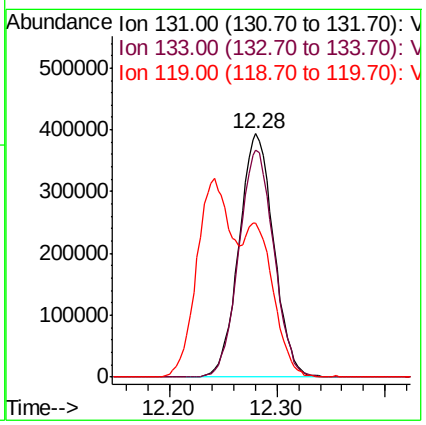


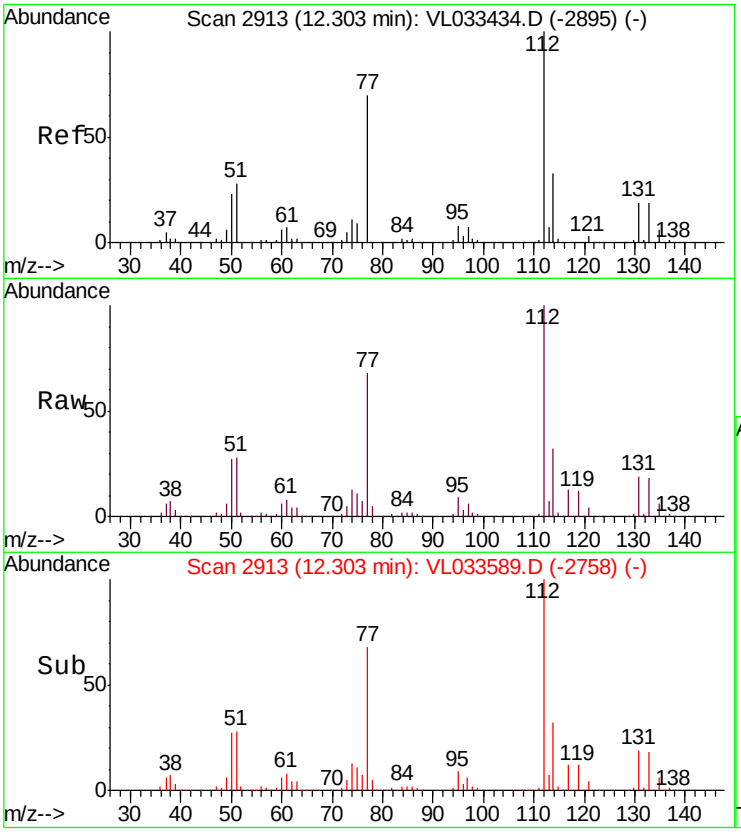




#56
1,1,1,2-Tetrachloroethane
Concen: 7.216 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:131 Resp: 881615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.3 | 76.2 | 114.4 |
| 119 | 55.0 | 45.0 | 67.6 |



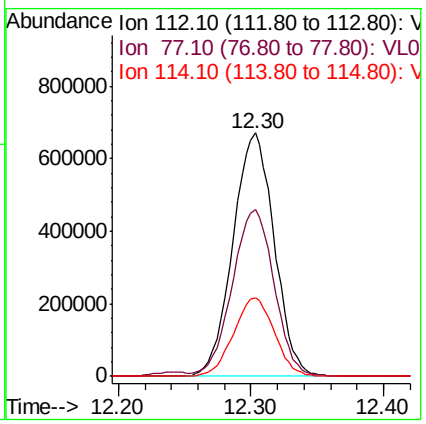


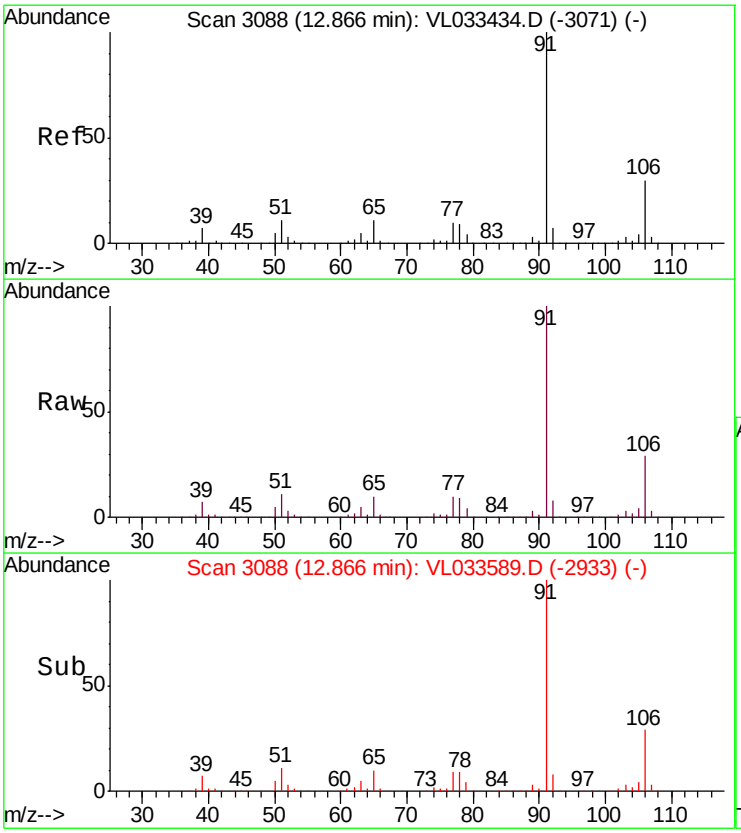

#57
Chlorobenzene
Concen: 7.008 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:112 Resp: 1450648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 68.3 | 57.3 | 85.9 |
| 114 | 32.3 | 29.8 | 36.4 |

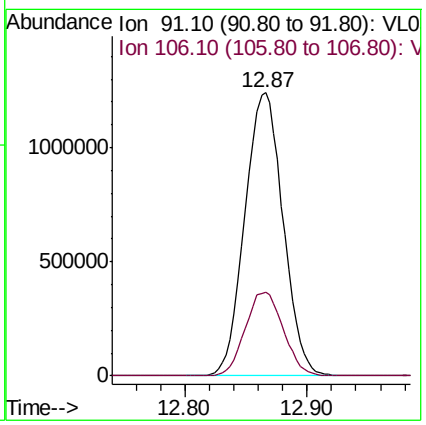


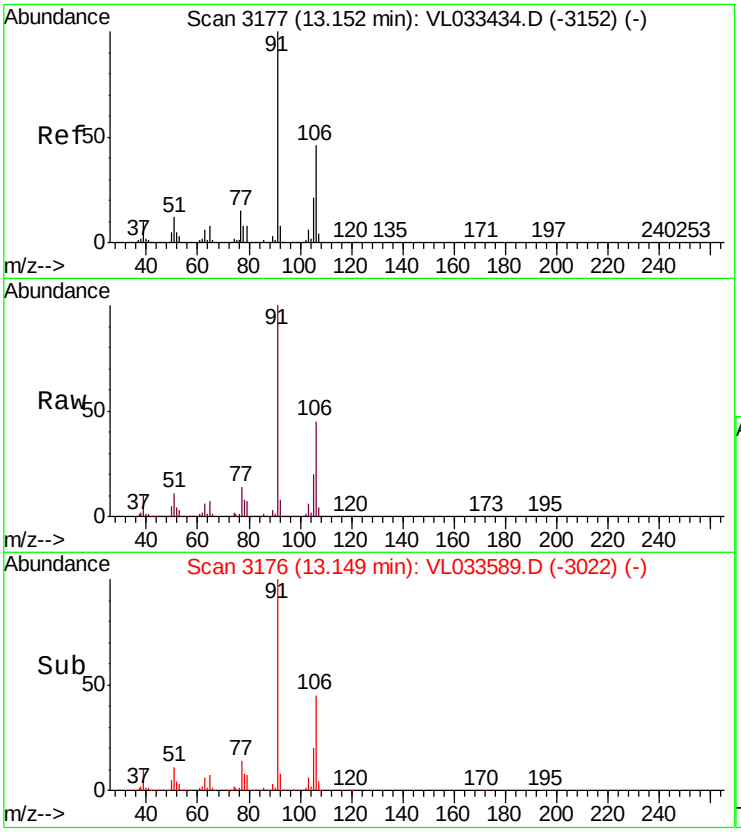




#58
Ethyl Benzene
Concen: 7.524 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 91 Resp: 2678382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 23.8 | 35.6 |



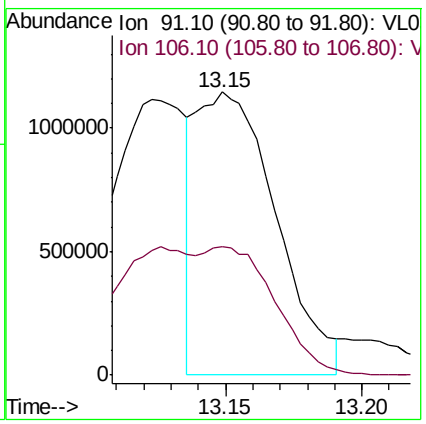


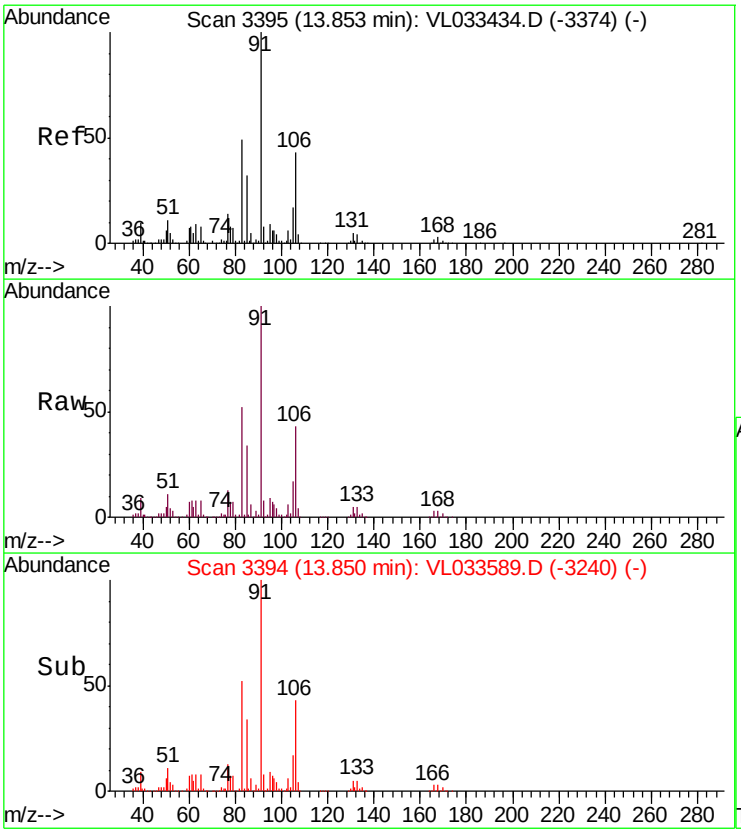

#59
m/p-Xylene
Concen: 7.297 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 91 Resp: 2320041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 0.0 | 0.0 |

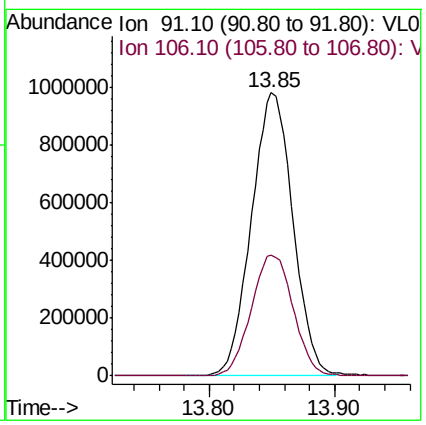


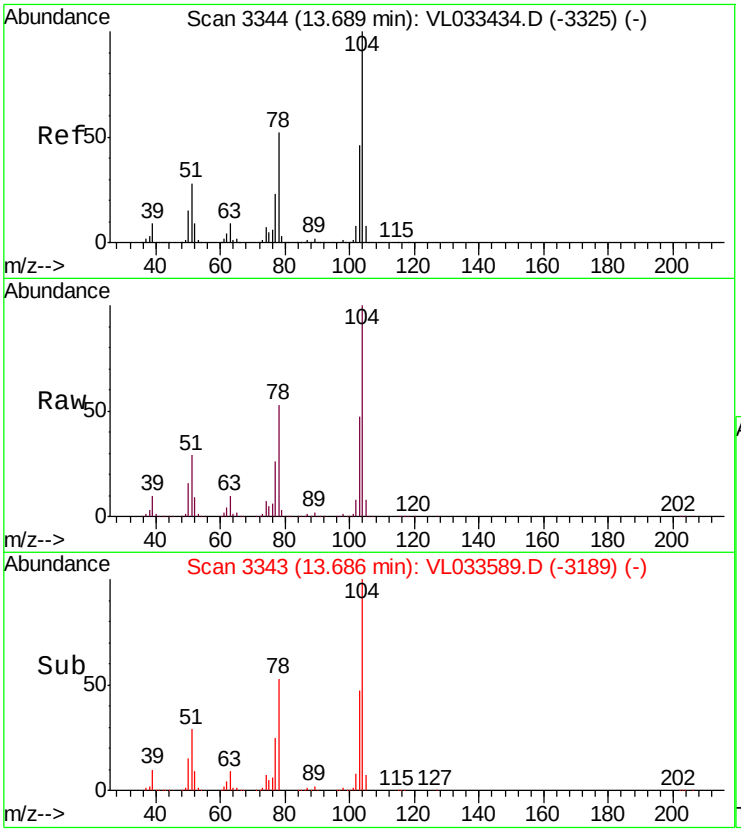




#60
o-Xylene
Concen: 7.327 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 91 Resp: 2252944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 43.4 | 21.4 | 64.3 |



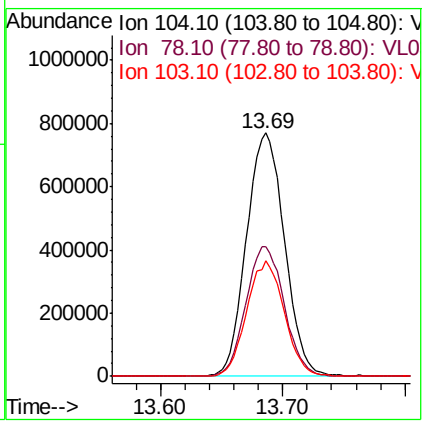


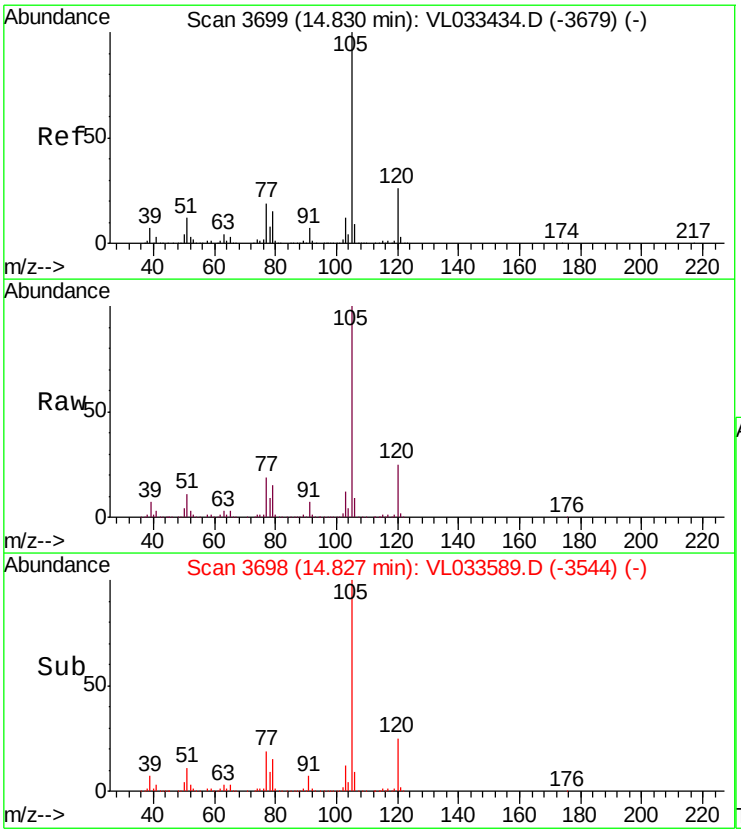

#61
Styrene
Concen: 7.855 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion:104 Resp: 1657537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.7 | 43.2 | 64.8 |
| 103 | 47.0 | 37.8 | 56.8 |

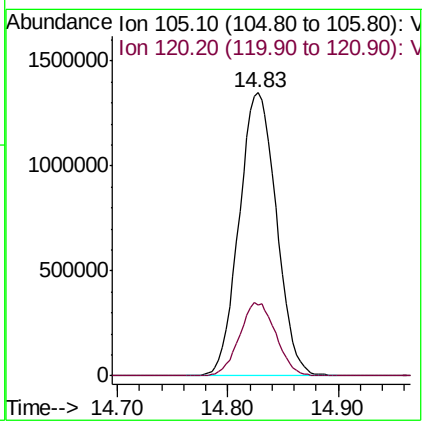


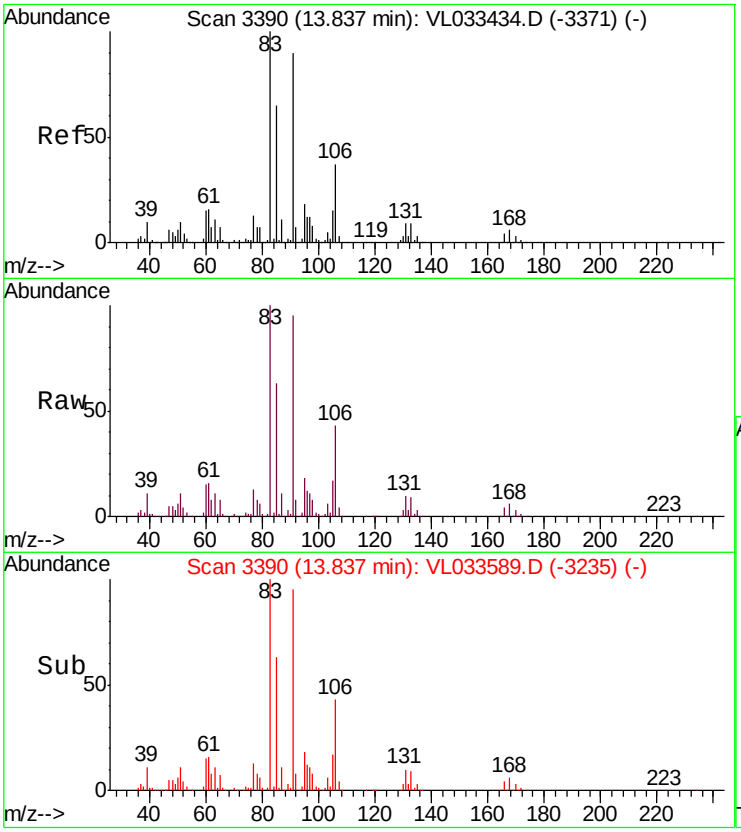




#62
Isopropylbenzene
Concen: 7.274 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:105 Resp: 3167419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 20.2 | 30.2 |



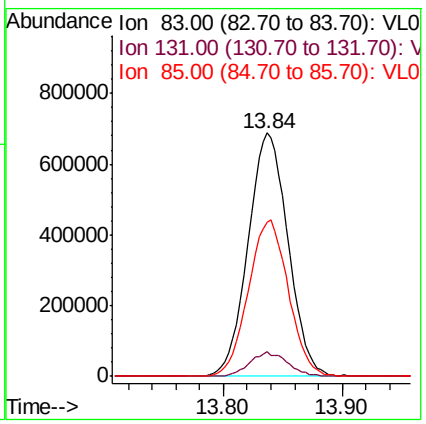


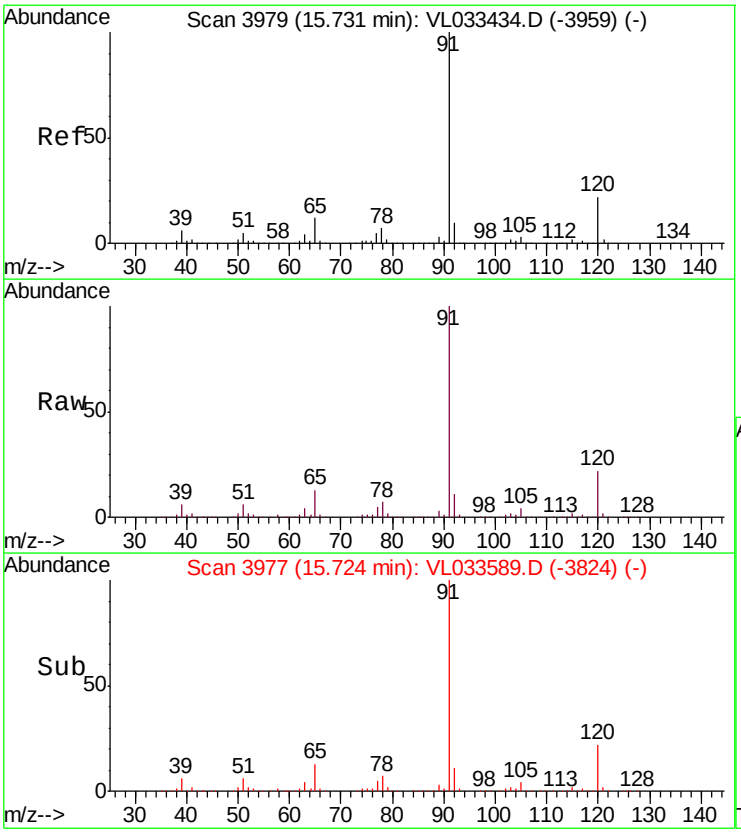

#63
1,1,2,2-Tetrachloroethane
Concen: 7.046 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion: 83 Resp: 1595148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.5 | 4.7 | 14.0 |
| 85 | 64.7 | 32.7 | 98.1 |

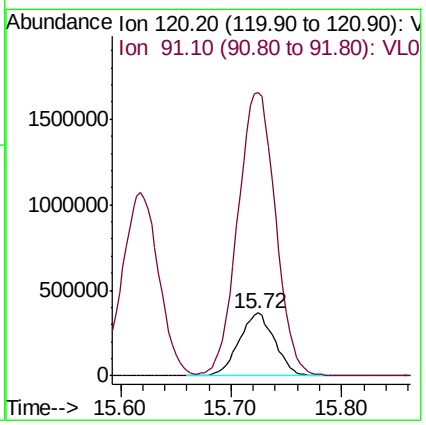


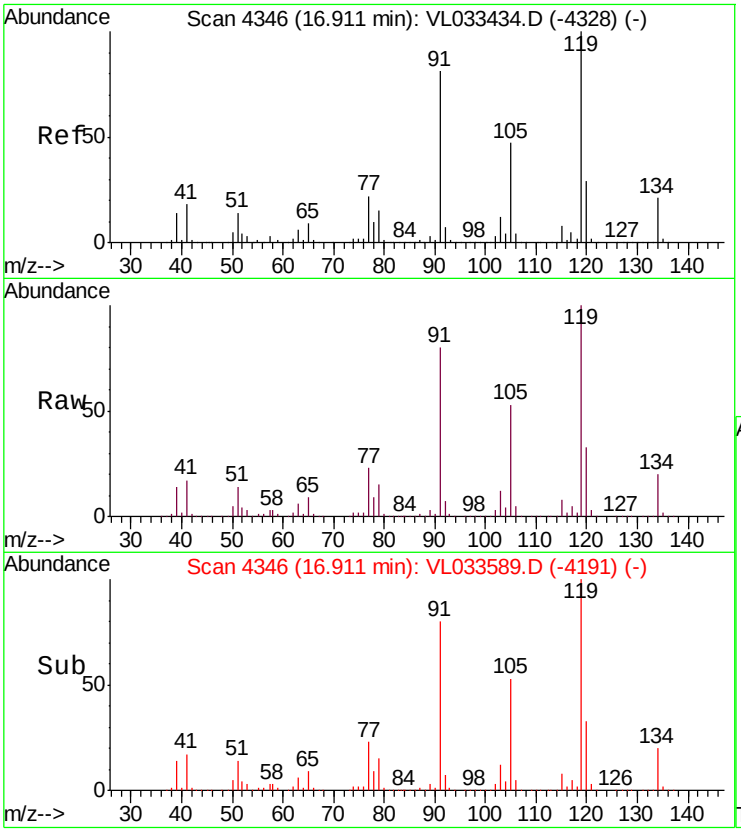




#64
n-propylbenzene
Concen: 7.459 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:120 Resp: 824096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 478.5 | 387.4 | 581.2 |



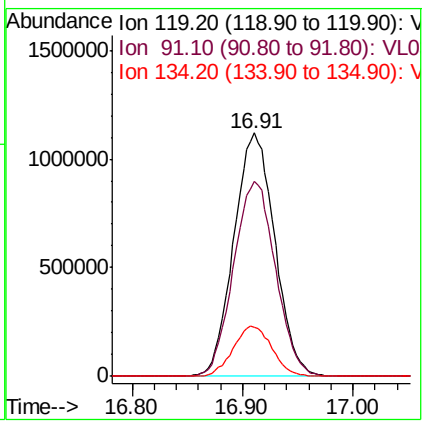


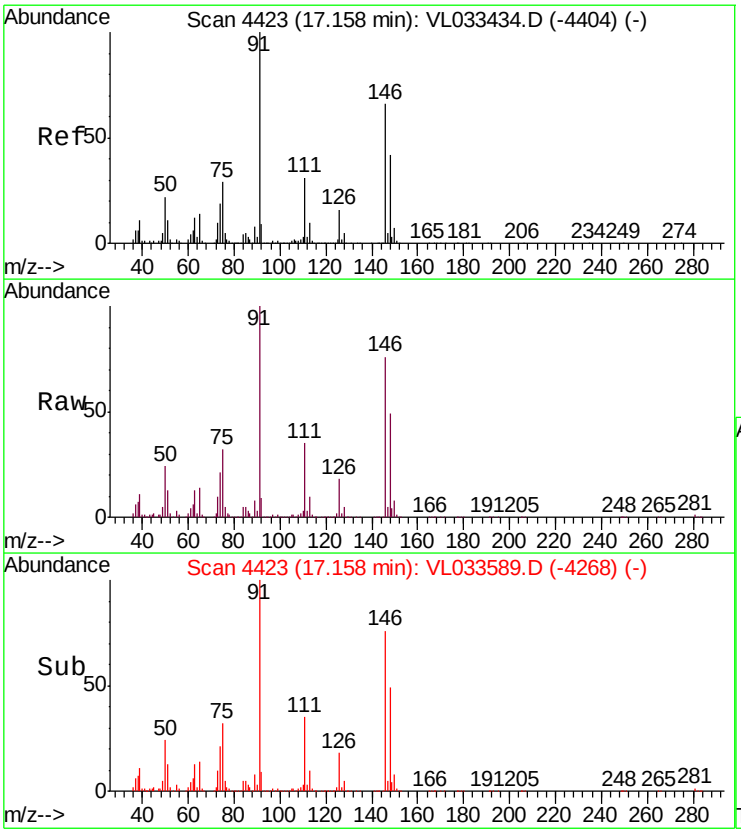

#65
tert-Butylbenzene
Concen: 7.500 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:119 Resp: 2877687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 82.3 | 66.4 | 99.6 |
| 134 | 19.6 | 15.5 | 23.3 |

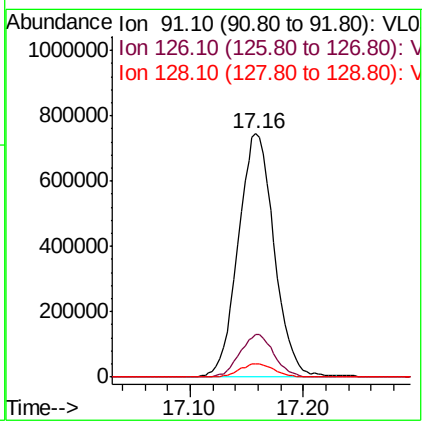


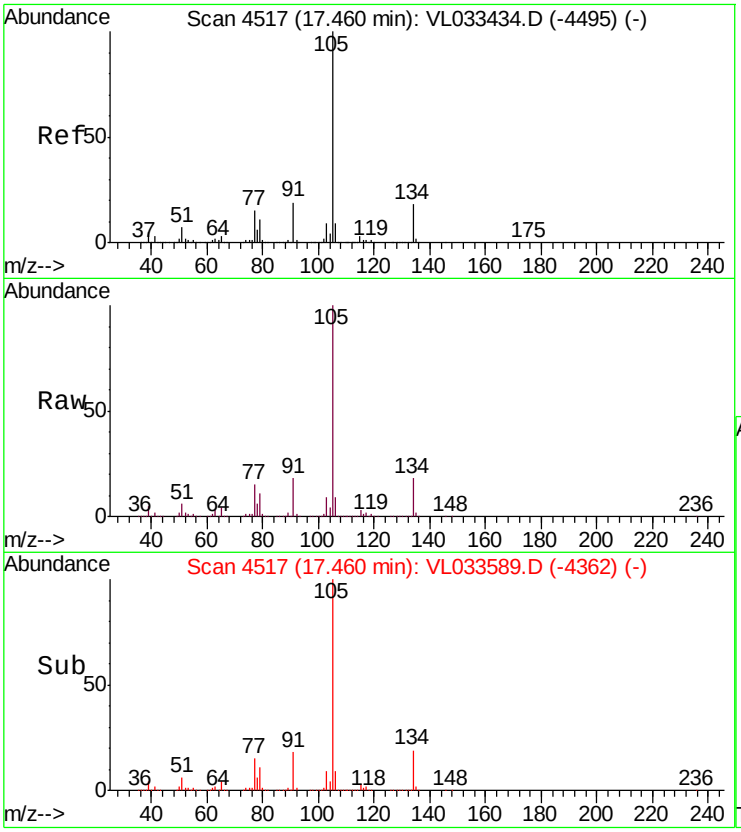




#66
Benzyl Chloride
Concen: 9.204 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 91 Resp: 1642108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 16.7 | 13.0 | 19.6 |
| 128 | 5.4 | 4.2 | 6.2 |



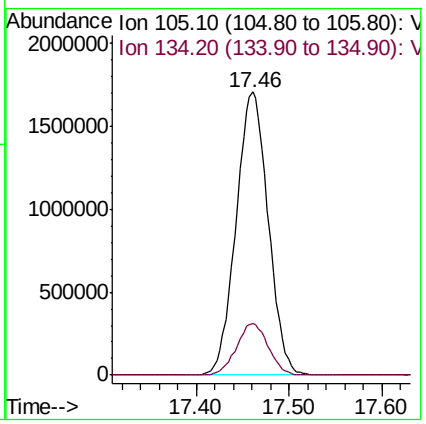


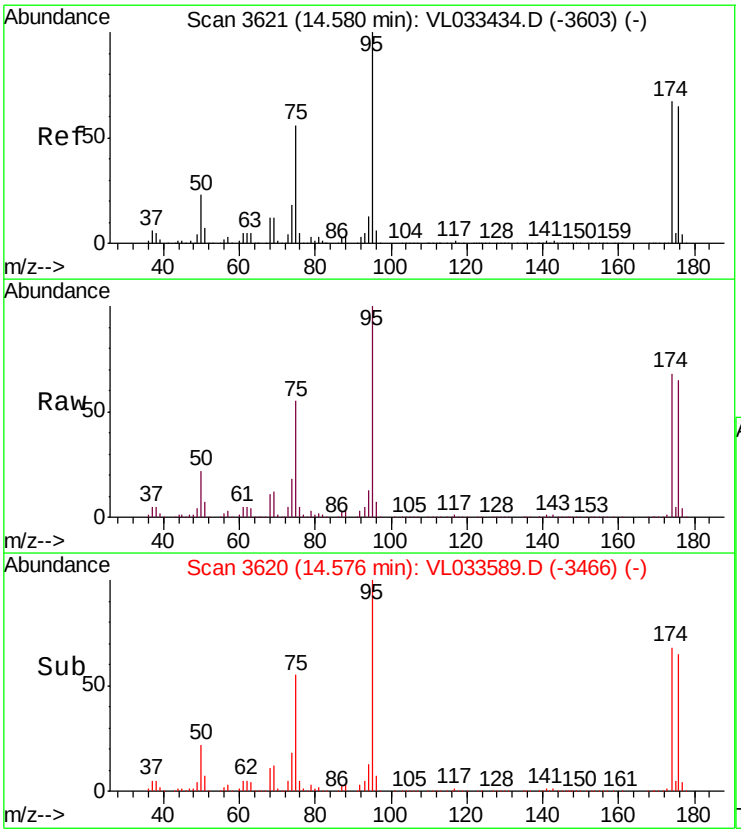

#67
sec-Butylbenzene
Concen: 7.496 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:105 Resp: 4090222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.1 | 14.6 | 21.8 |

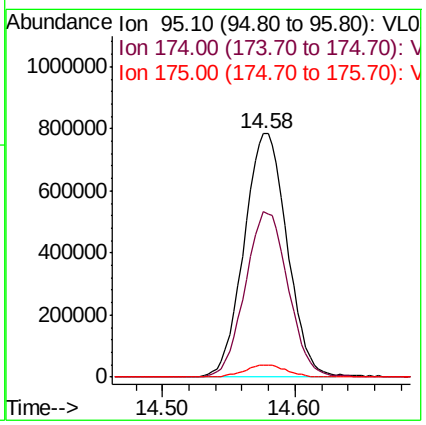


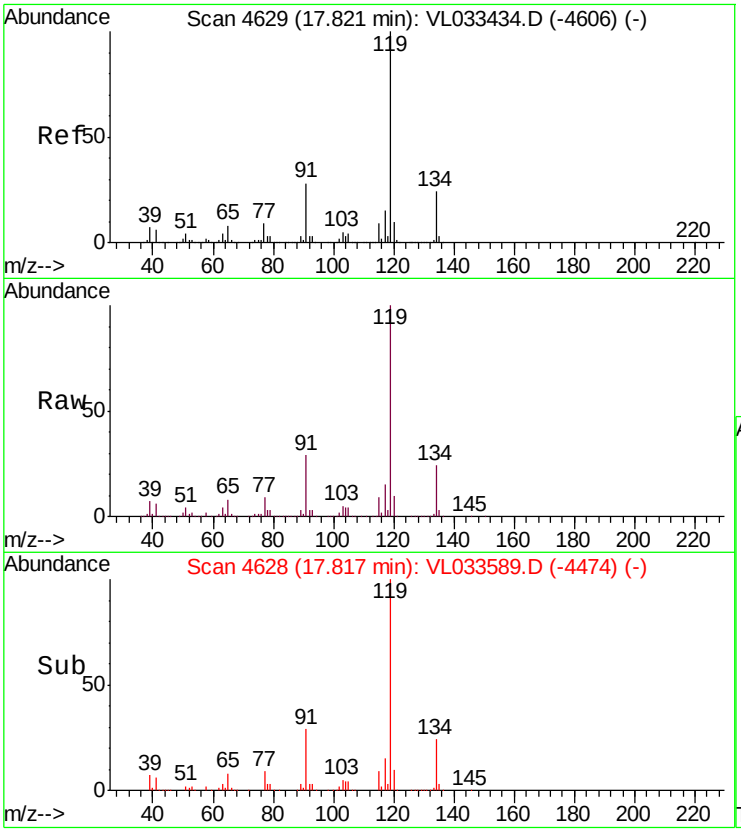




#68
1-Bromo-4-Fluorobenzene
Concen: 8.470 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 95 Resp: 1770117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.0 | 52.9 | 79.3 |
| 175 | 4.9 | 3.8 | 5.6 |



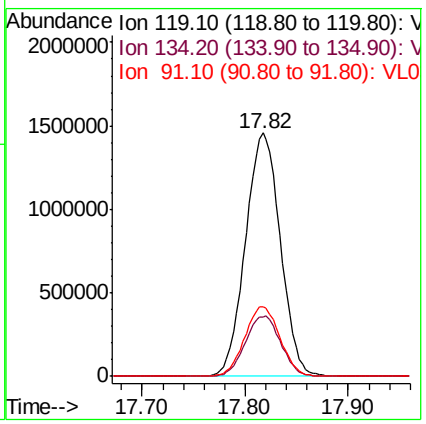


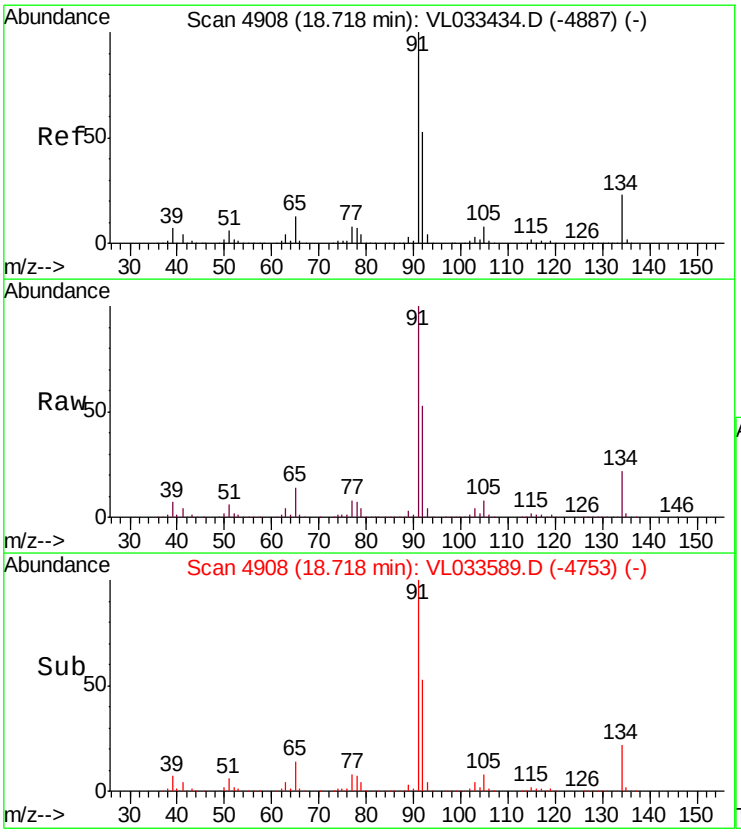

#69
p-Isopropyltoluene
Concen: 7.692 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:119 Resp: 3417300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.2 | 19.9 | 29.9 |
| 91 | 29.1 | 23.4 | 35.0 |

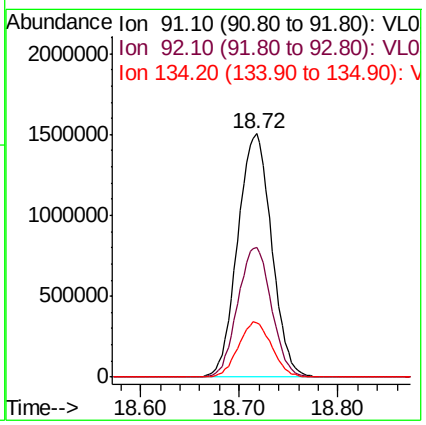


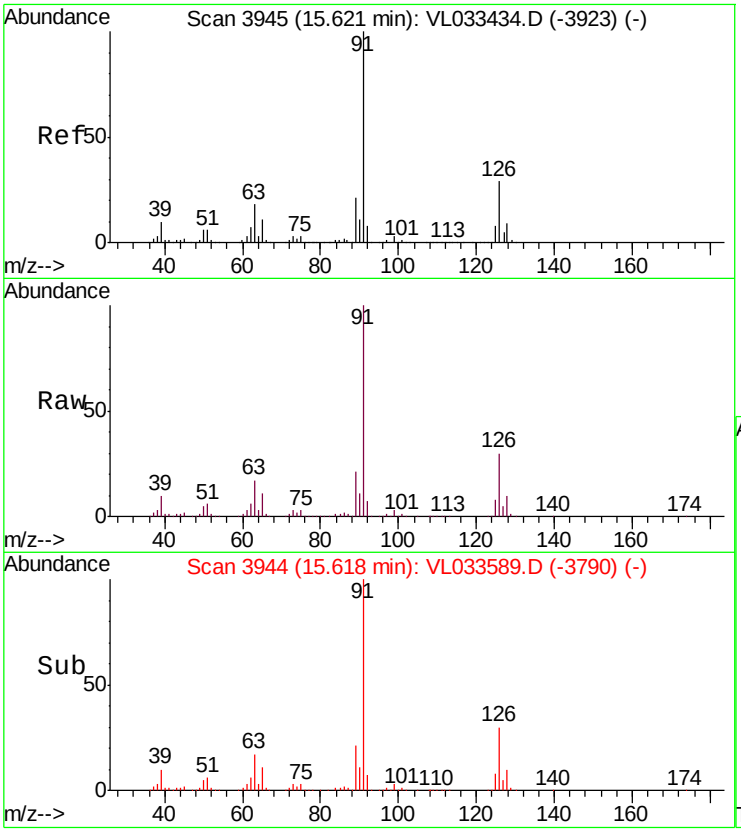




#70
n-Butylbenzene
Concen: 7.593 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion: 91 Resp: 3574051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.0 | 42.6 | 64.0 |
| 134 | 22.2 | 17.5 | 26.3 |



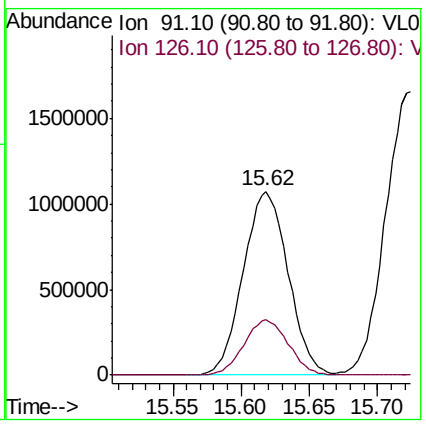


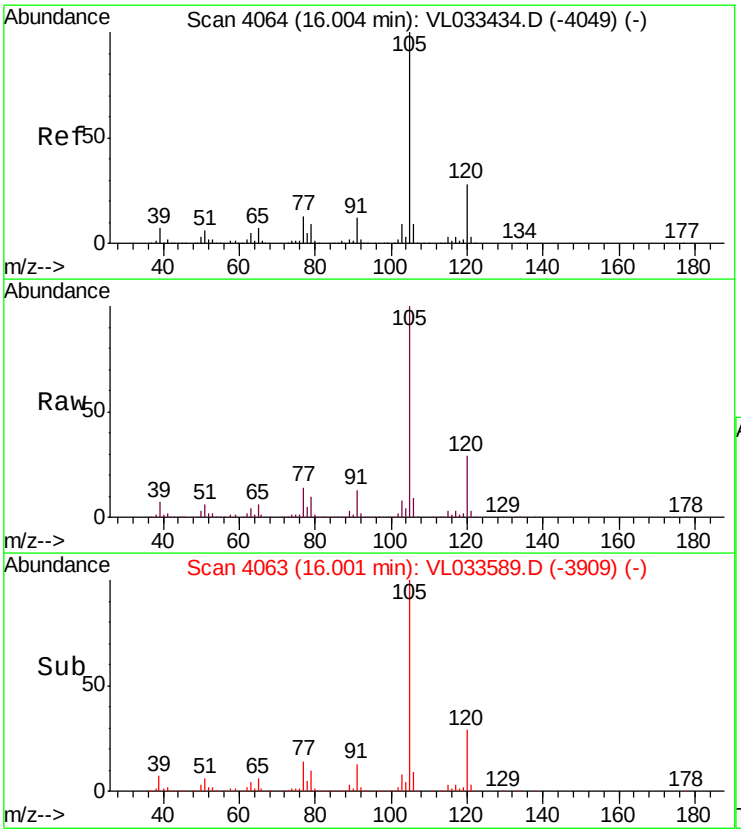

#71
2-Chlorotoluene
Concen: 7.429 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion: 91 Resp: 2459619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.8 | 11.7 | 46.9 |

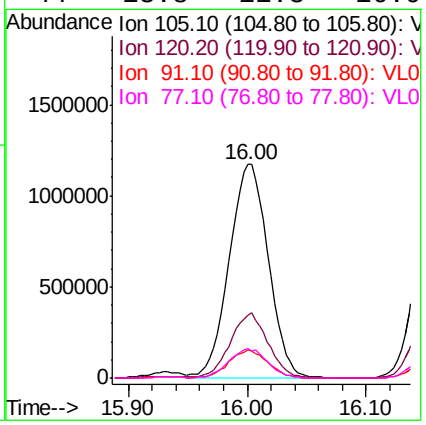


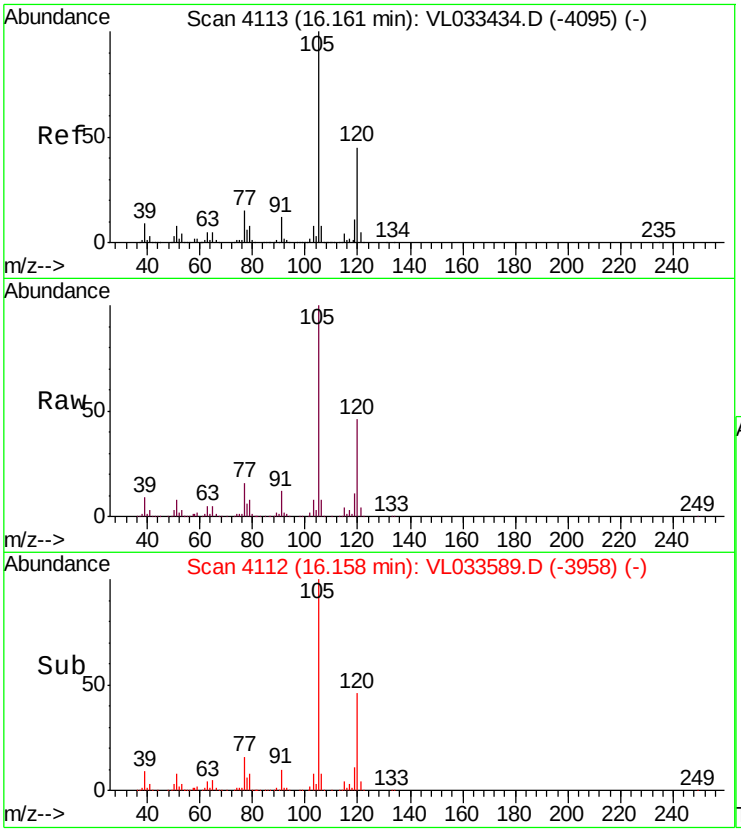




#72
4-Ethyltoluene
Concen: 7.692 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:105 Resp: 2658374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 29.3 | 23.2 | 34.8 |
| 91 | 13.1 | 10.4 | 15.6 |
| 77 | 13.8 | 11.3 | 16.9 |



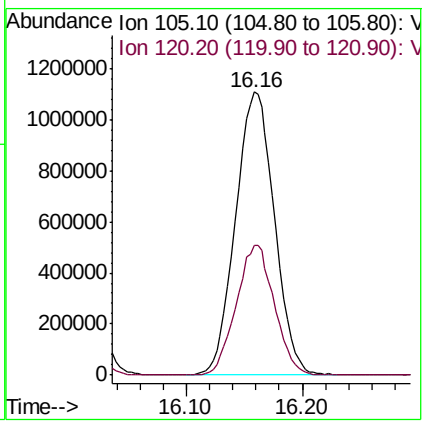


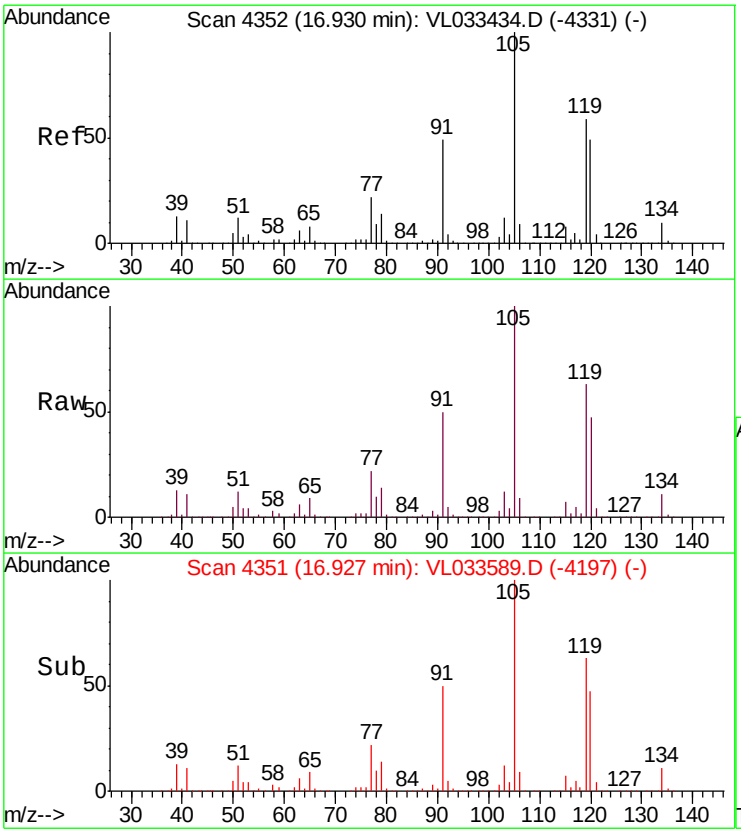

#73
1,3,5-Trimethylbenzene
Concen: 7.765 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:105 Resp: 2568132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 35.7 | 53.5 |

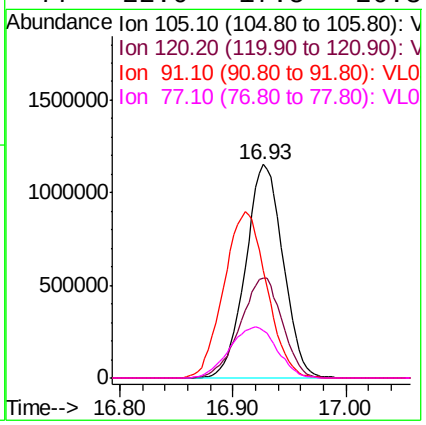


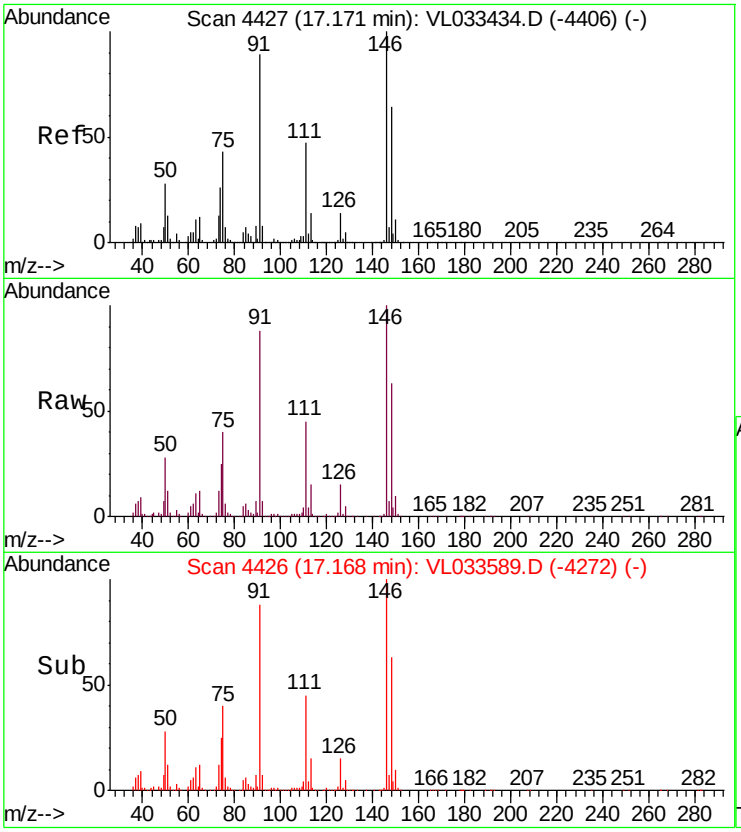




#74
1,2,4-Trimethylbenzene
Concen: 7.484 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:105 Resp: 2653101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.8 | 39.0 | 58.6 |
| 91 | 50.2 | 40.0 | 60.0 |
| 77 | 22.0 | 17.5 | 26.3 |



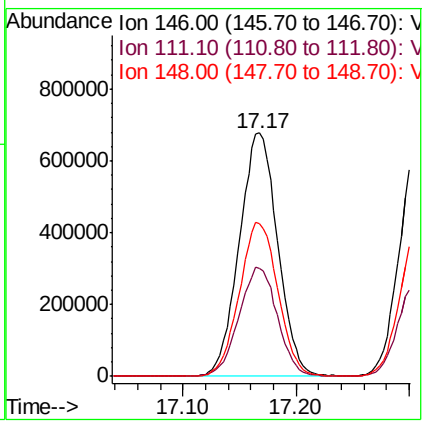


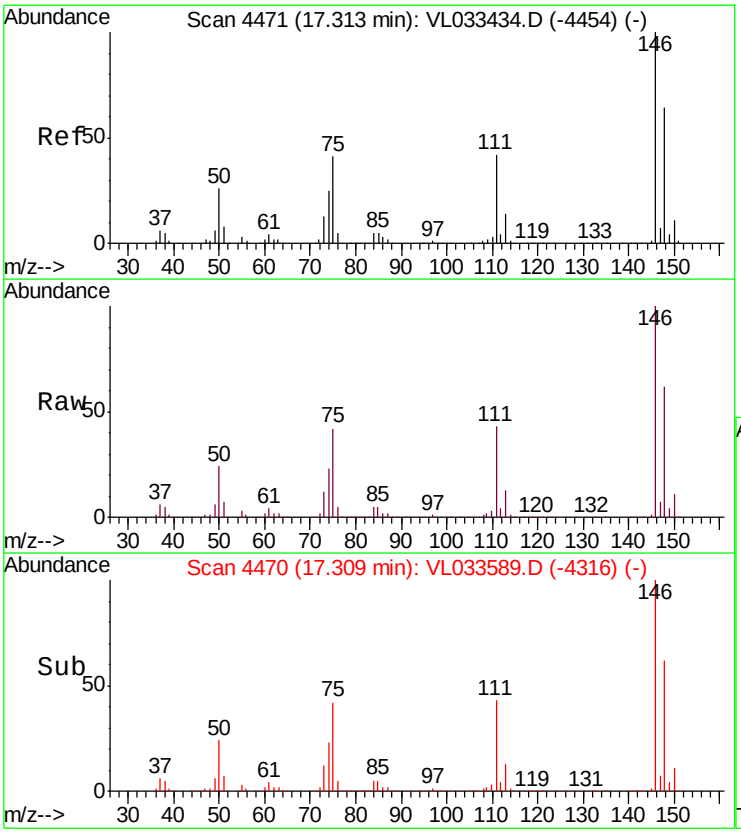

#75
1,3-Dichlorobenzene
Concen: 7.304 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:146 Resp: 1600302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.8 | 22.9 | 68.8 |
| 148 | 63.7 | 32.0 | 96.2 |

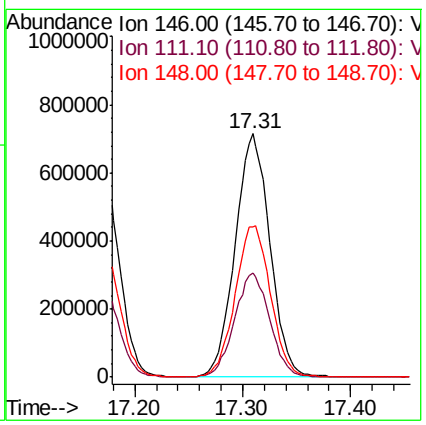


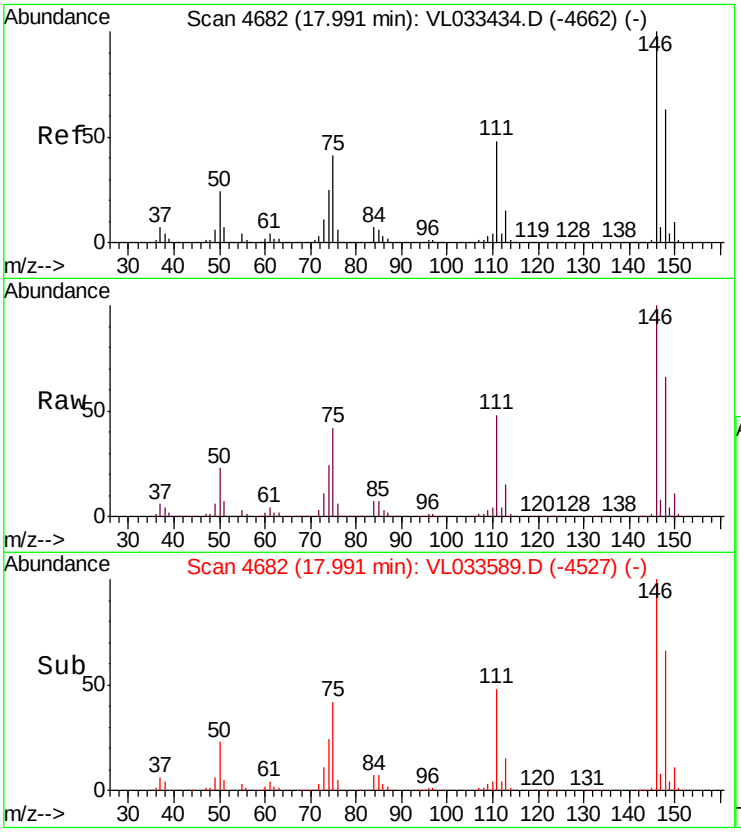




#76
1,4-Dichlorobenzene
Concen: 7.465 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:146 Resp: 1593644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.7 | 21.7 | 65.1 |
| 148 | 63.8 | 32.0 | 96.2 |



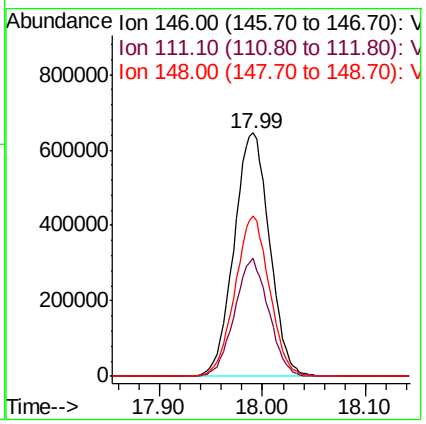


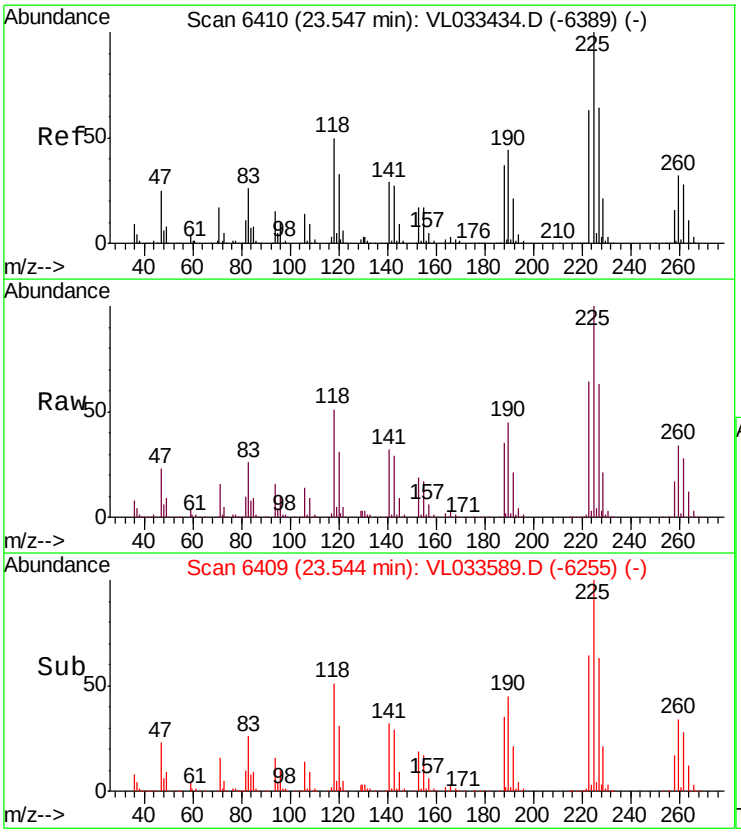

#77
1,2-Dichlorobenzene
Concen: 7.437 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :** MSVOA_L
**ClientSampleId :** VL0416ABS01

Tgt Ion:146 Resp: 1546161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.5 | 23.5 | 70.5 |
| 148 | 64.0 | 32.0 | 96.0 |

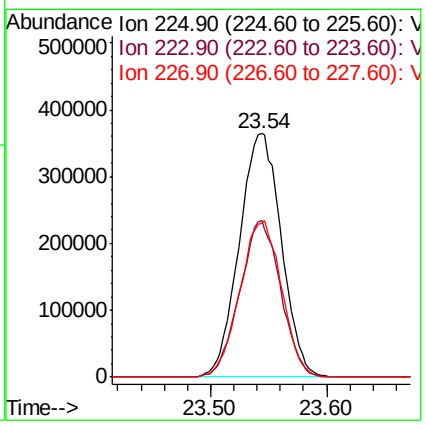


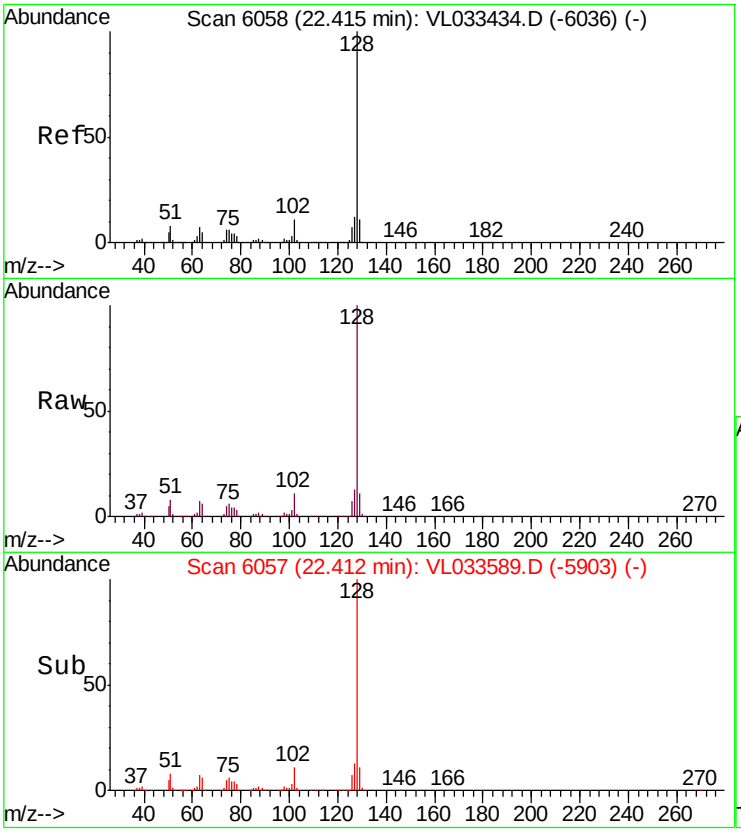




#78
Hexachloro-1,3-Butadiene
Concen: 6.667 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:225 Resp: 917519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 50.0 | 75.0 |
| 227 | 63.6 | 51.1 | 76.7 |



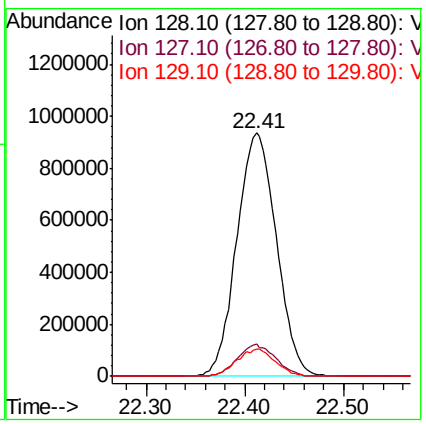


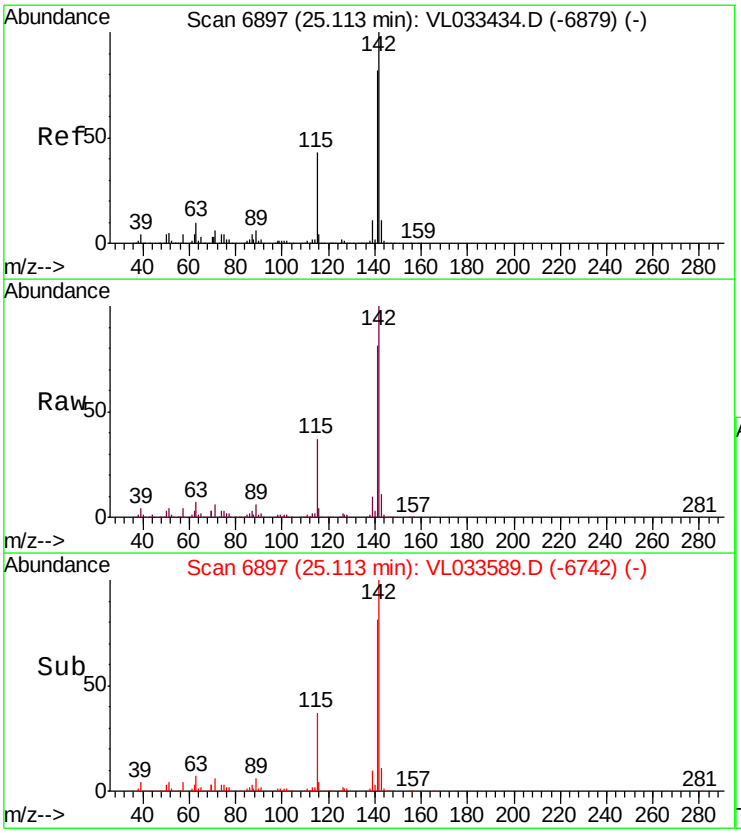

#79
Naphthalene
Concen: 8.567 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:128 Resp: 2599813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 9.8 | 14.8 |
| 129 | 11.1 | 8.6 | 12.8 |

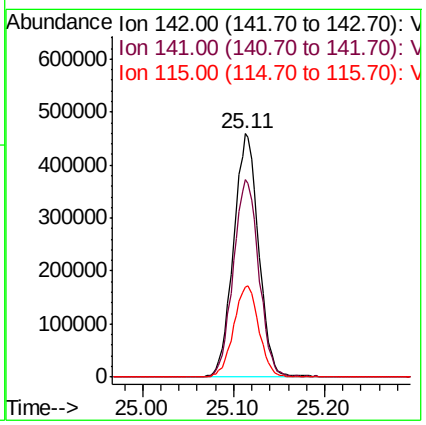


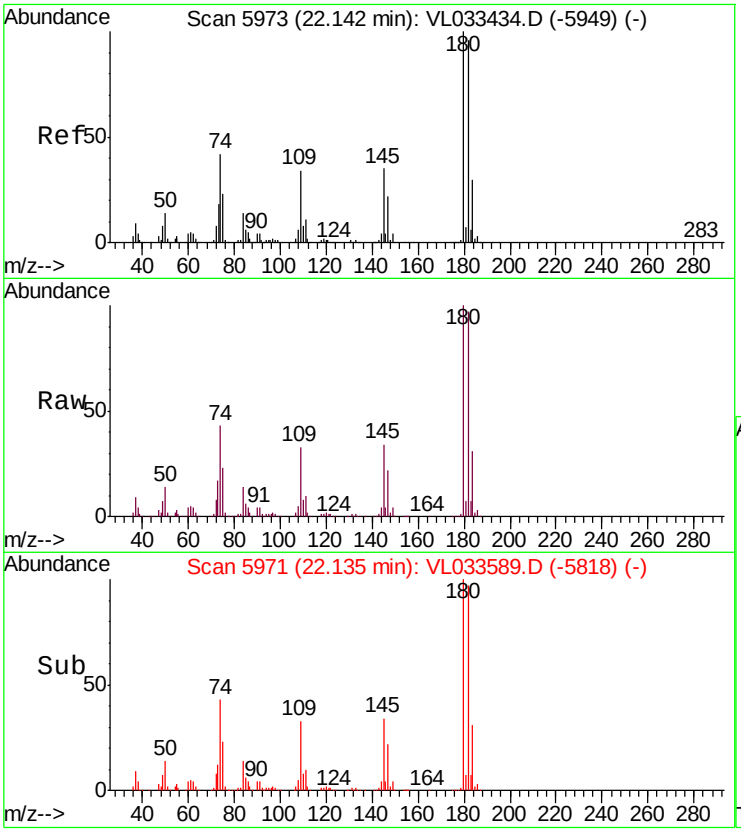




#80
Naphthalene,2-methyl-
Concen: 8.615 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. -0.00 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

Tgt Ion:142 Resp: 877326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 83.0 | 66.6 | 99.8 |
| 115 | 38.2 | 34.4 | 51.6 |






#81
1,2,4-Trichlorobenzene
Concen: 8.104 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033589.D
Acq: 16 Apr 2019 12:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0416ABS01

Tgt Ion:180 Resp: 1364080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.9 | 77.0 | 115.4 |
| 184 | 30.3 | 24.6 | 36.8 |