Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035342.D
Acq On : 6 Aug 2020 7:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:24:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.65 | 49 | 1458396 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.17 | 114 | 3628312 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.10 | 117 | 3594462 | 10.00 | ppbv | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.44 | 95 | 2941732 | 9.81 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 98.10% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.00 | 85 | 1497284 | 7.719 | ppbv | | 99 |
| 3) Chlorodifluoromethane | 2.94 | 51 | 1487693 | 8.936 | ppbv | | 99 |
| 4) Chloromethane | 3.09 | 50 | 842767 | 8.941 | ppbv | | 98 |
| 5) Vinyl Chloride | 3.21 | 62 | 853790 | 8.806 | ppbv | | 98 |
| 6) Bromomethane | 3.43 | 94 | 533348 | 8.980 | ppbv | | 97 |
| 7) Chloroethane | 3.51 | 64 | 322274 | 8.950 | ppbv | # | 89 |
| 8) Dichlorotetrafluoroethane | 3.14 | 85 | 1986618 | 8.664 | ppbv | | 100 |
| 9) Propene | 2.96 | 41 | 570034 | 9.609 | ppbv | | 98 |
| 10) Heptane | 8.12 | 43 | 1647809 | 10.874 | ppbv | | 99 |
| 11) Trichlorofluoromethane | 3.91 | 101 | 2158186 | 8.587 | ppbv | | 98 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.45 | 101 | 1535019 | 8.545 | ppbv | | 99 |
| 13) Ethanol | 3.56 | 45 | 135446 | 6.620 | ppbv | | 96 |
| 14) Bromoethene | 3.70 | 108 | 661483 | 9.183 | ppbv | | 97 |
| 15) Acetone | 3.81 | 43 | 1608846 | 7.768 | ppbv | | 99 |
| 16) 1,3-Butadiene | 3.28 | 39 | 770973 | 9.672 | ppbv | | 97 |
| 17) tert-Butyl alcohol | 4.26 | 59 | 1657301 | 8.719 | ppbv | | 100 |
| 18) 1,1-Dichloroethene | 4.25 | 96 | 701146 | 9.090 | ppbv | | 92 |
| 19) Isopropyl Alcohol | 3.93 | 45 | 1076973 | 8.204 | ppbv | | 99 |
| 20) Methylene Chloride | 4.31 | 84 | 645611 | 7.644 | ppbv | | 94 |
| 21) Allyl Chloride | 4.38 | 41 | 1134598 | 9.562 | ppbv | | 98 |
| 22) trans-1,2-Dichloroethene | 4.86 | 96 | 682566 | 9.126 | ppbv | | 96 |
| 23) Vinyl Acetate | 5.05 | 43 | 2049581 | 10.321 | ppbv | | 98 |
| 24) 1,1-Dichloroethane | 4.99 | 63 | 1709249 | 9.159 | ppbv | | 99 |
| 25) Ethyl Acetate | 5.65 | 43 | 2976804 | 9.460 | ppbv | | 100 |
| 26) Hexane | 5.67 | 57 | 1335287 | 9.783 | ppbv | | 100 |
| 27) Carbon Disulfide | 4.52 | 76 | 1869842 | 9.796 | ppbv | | 100 |
| 28) Methyl tert-Butyl Ether | 5.00 | 73 | 1996915 | 10.062 | ppbv | | 98 |
| 29) Chloroform | 5.74 | 83 | 2137659 | 9.084 | ppbv | | 99 |
| 30) Cyclohexane | 7.12 | 84 | 1104204 | 10.669 | ppbv | | 98 |
| 31) cis-1,2-Dichloroethene | 5.53 | 61 | 1282446 | 10.569 | ppbv | | 96 |
| 32) 1,1,1-Trichloroethane | 6.50 | 97 | 2112011 | 8.539 | ppbv | | 100 |
| 34) 2-Butanone | 5.22 | 43 | 1840826 | 10.304 | ppbv | | 98 |
| 35) Carbon Tetrachloride | 7.01 | 117 | 2269051 | 9.088 | ppbv | | 99 |
| 36) Benzene | 6.89 | 78 | 2593830 | 10.587 | ppbv | | 97 |
| 37) 1,2-Dichloroethane | 6.29 | 62 | 1635878 | 9.557 | ppbv | | 99 |
| 38) Trichloroethene | 7.84 | 130 | 1131236 | 10.009 | ppbv | | 97 |
| 39) 1,2-Dichloropropane | 7.61 | 63 | 996872 | 10.051 | ppbv | | 97 |
| 40) 1,4-Dioxane | 7.83 | 88 | 415768 | 9.788 | ppbv | # | 1 |
| 41) Tetrahydrofuran | 6.03 | 42 | 986810 | 11.256 | ppbv | | 99 |
| 42) Bromodichloromethane | 7.79 | 83 | 2288900 | 9.958 | ppbv | | 99 |
| 43) Methyl Methacrylate | 8.01 | 69 | 1171986 | 11.370 | ppbv | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035342.D
Acq On : 6 Aug 2020 7:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 07 06:24:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.87 | 57 | 4495215 | 10.327 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 9.29 | 75 | 1341415 | 12.545 | ppbv | | 91 |
| 46) cis-1,3-Dichloropropene | 8.71 | 75 | 1564116 | 12.112 | ppbv | | 98 |
| 47) 1,1,2-Trichloroethane | 9.48 | 97 | 1168034 | 9.794 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.32 | 129 | 2031064 | 10.397 | ppbv | | 100 |
| 49) Bromoform | 13.07 | 173 | 1896006 | 10.651 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.74 | 43 | 2820091 | 10.339 | ppbv | | 99 |
| 51) 2-Hexanone | 10.14 | 43 | 2347934 | 10.980 | ppbv | # | 100 |
| 52) Tetrachloroethene | 11.24 | 164 | 1001418 | 10.309 | ppbv | | 96 |
| 53) Toluene | 9.82 | 91 | 3108151 | 11.662 | ppbv | | 99 |
| 54) 1,2-Dibromoethane | 10.63 | 107 | 1782251 | 10.417 | ppbv | | 97 |
| 56) 1,1,1,2-Tetrachloroethane | 12.15 | 131 | 1591521 | 9.380 | ppbv | | 97 |
| 57) Chlorobenzene | 12.17 | 112 | 2573183 | 9.507 | ppbv | | 99 |
| 58) Ethyl Benzene | 12.73 | 91 | 4217093 | 11.275 | ppbv | | 97 |
| 59) m/p-Xylene | 13.01 | 91 | 3660027 | 10.509 | ppbv | # | 33 |
| 60) o-Xylene | 13.71 | 91 | 3642526 | 10.539 | ppbv | | 99 |
| 61) Styrene | 13.55 | 104 | 2611885 | 12.374 | ppbv | | 99 |
| 62) Isopropylbenzene | 14.69 | 105 | 5361517 | 10.303 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.70 | 83 | 2643241 | 8.965 | ppbv | | 100 |
| 64) n-propylbenzene | 15.59 | 120 | 1487757 | 10.638 | ppbv | | 97 |
| 65) tert-Butylbenzene | 16.77 | 119 | 4939919 | 10.367 | ppbv | | 99 |
| 66) Benzyl Chloride | 17.02 | 91 | 2035555 | 10.793 | ppbv | | 99 |
| 67) sec-Butylbenzene | 17.33 | 105 | 6822235 | 10.122 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.68 | 119 | 5859998 | 10.664 | ppbv | | 100 |
| 70) n-Butylbenzene | 18.58 | 91 | 5990304 | 10.192 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 15.48 | 91 | 4200494 | 11.019 | ppbv | | 100 |
| 72) 4-Ethyltoluene | 15.87 | 105 | 4347301 | 11.033 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.02 | 105 | 4117242 | 10.889 | ppbv | | 99 |
| 74) 1,2,4-Trimethylbenzene | 16.80 | 105 | 4363068 | 10.096 | ppbv | | 96 |
| 75) 1,3-Dichlorobenzene | 17.03 | 146 | 2623445 | 9.280 | ppbv | | 100 |
| 76) 1,4-Dichlorobenzene | 17.18 | 146 | 2593161 | 9.905 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 17.85 | 146 | 2497453 | 9.572 | ppbv | | 99 |
| 78) Hexachloro-1,3-Butadiene | 23.41 | 225 | 2047477 | 9.224 | ppbv | | 98 |
| 79) Naphthalene | 22.25 | 128 | 4189493 | 12.604 | ppbv | | 98 |
| 80) Naphthalene,2-methyl- | 25.00 | 142 | 1579813 | 20.894 | ppbv | | 99 |
| 81) 1,2,4-Trichlorobenzene | 21.98 | 180 | 2324717 | 11.098 | ppbv | | 100 |

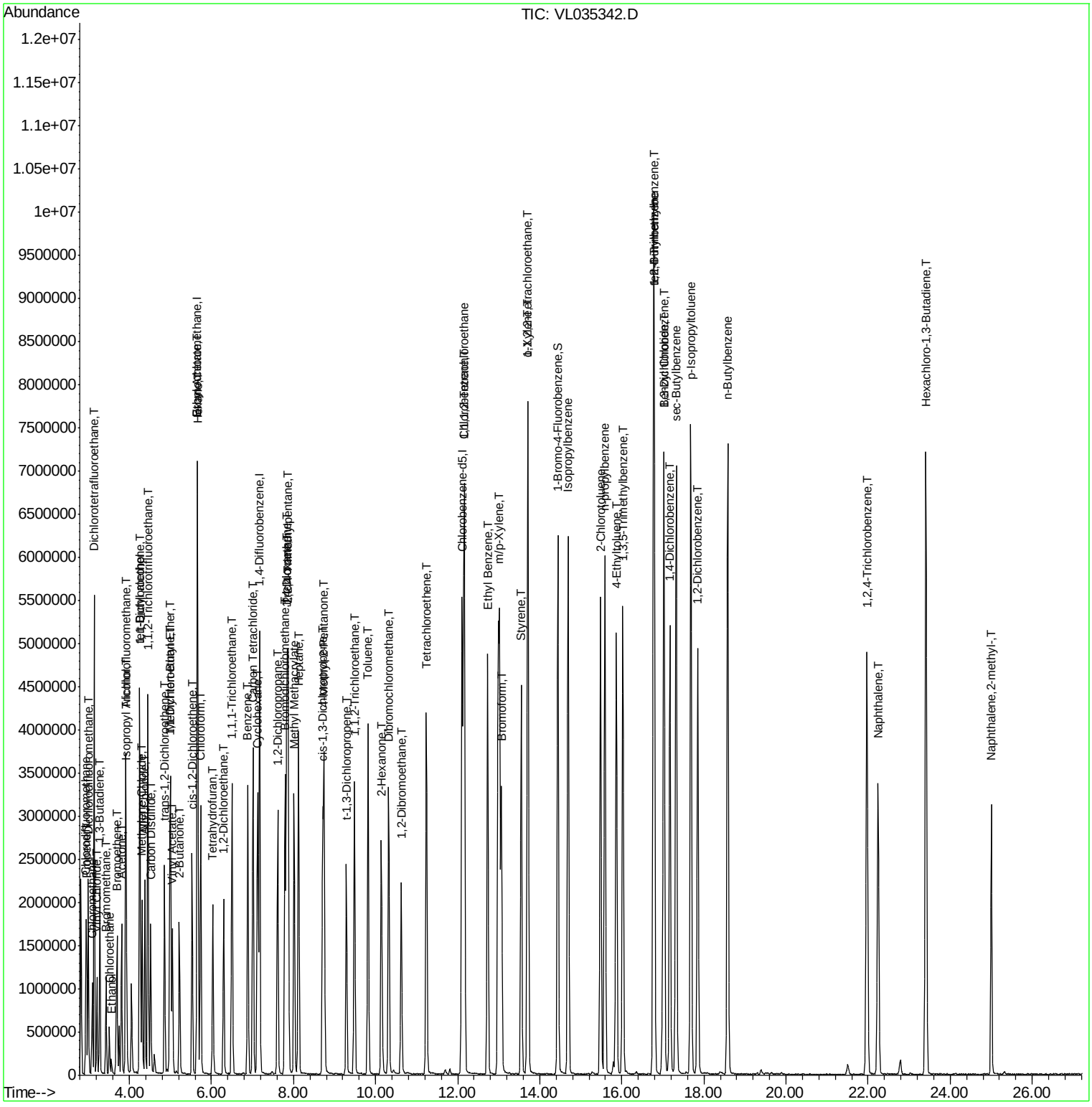
(#) = qualifier out of range (m) = manual integration (+) = signals summed

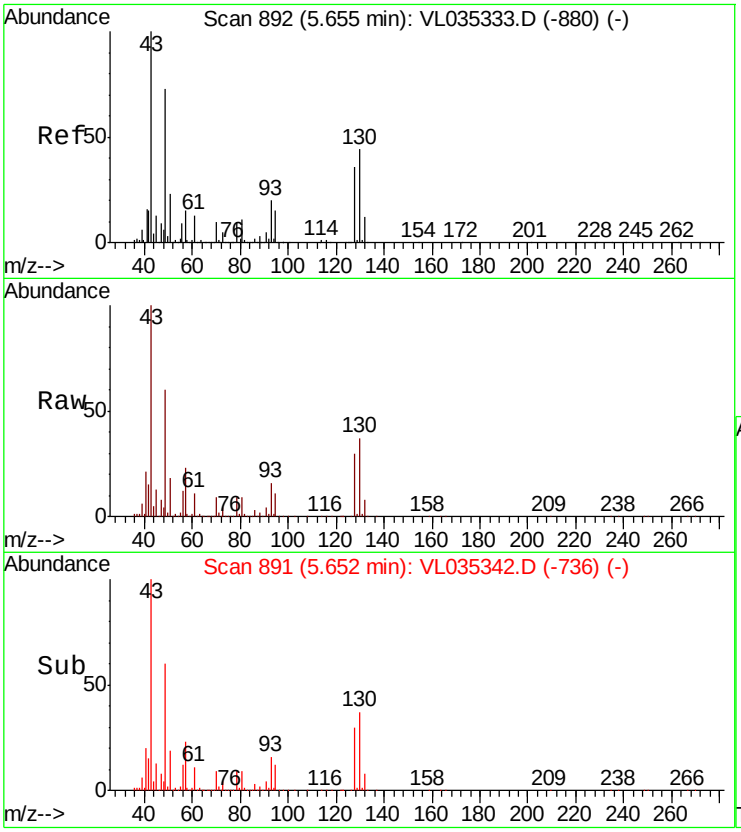
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080620\
Data File : VL035342.D
Acq On : 6 Aug 2020 7:51
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Aug 07 06:24:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration



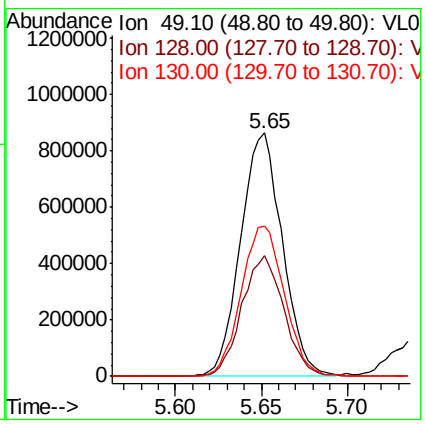


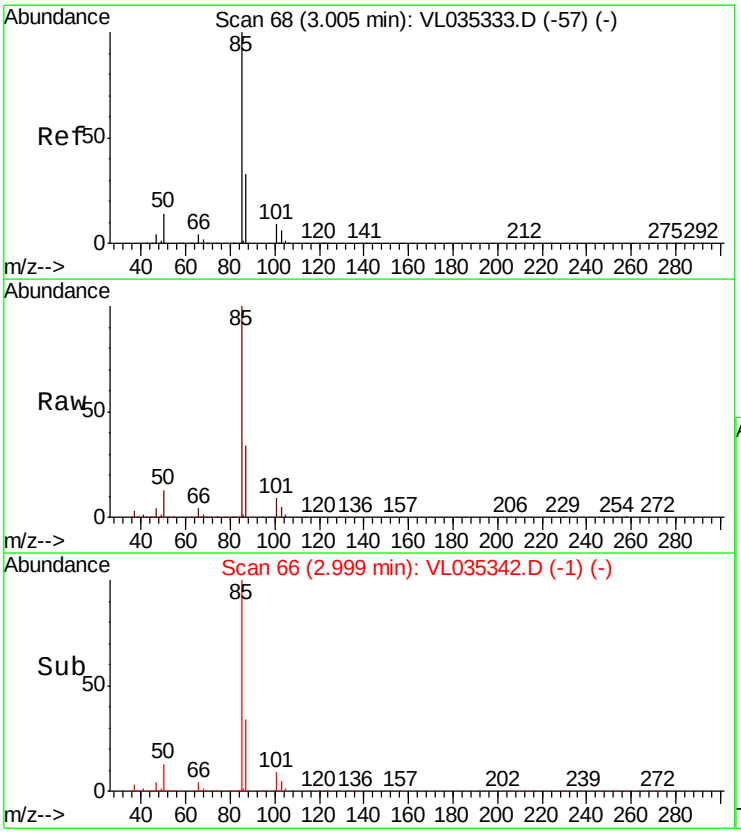

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 49 Resp: 1458396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 49.9 | 25.4 | 76.0 |
| 130 | 63.9 | 32.1 | 96.3 |

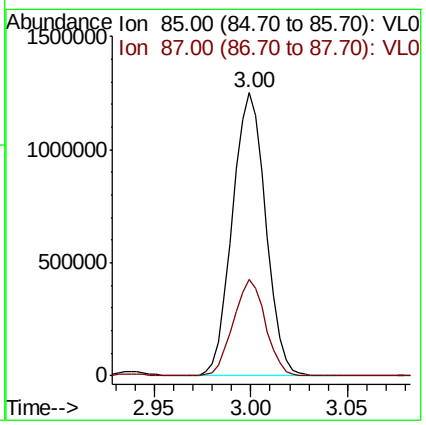


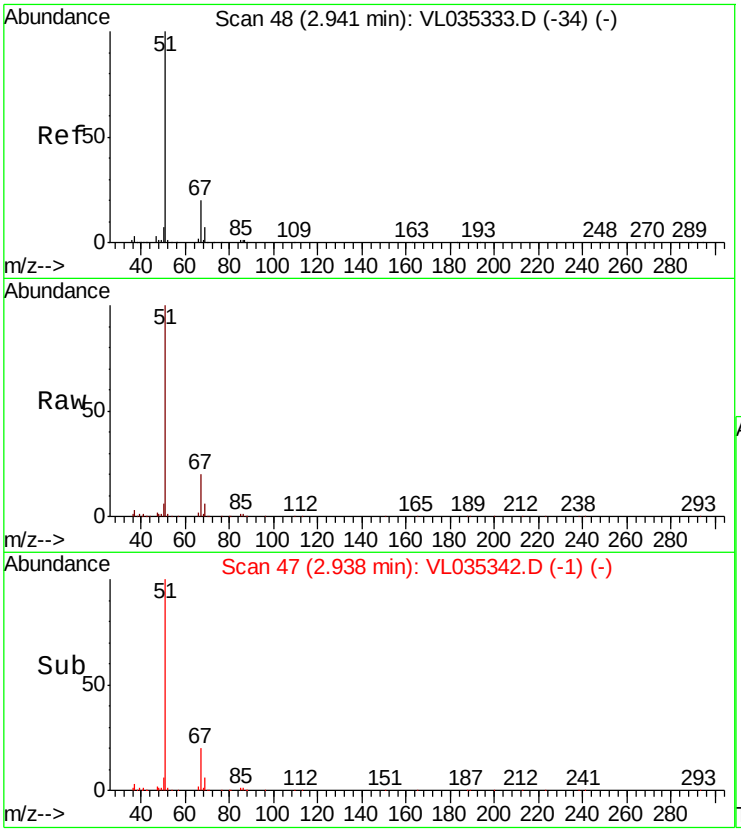




#2
Dichlorodifluoromethane
Concen: 7.719 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 85 Resp: 1497284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.0 | 26.7 | 40.1 |

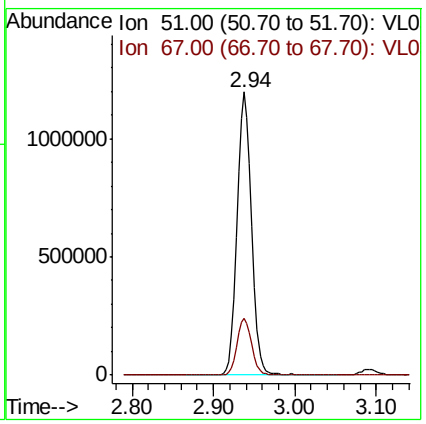




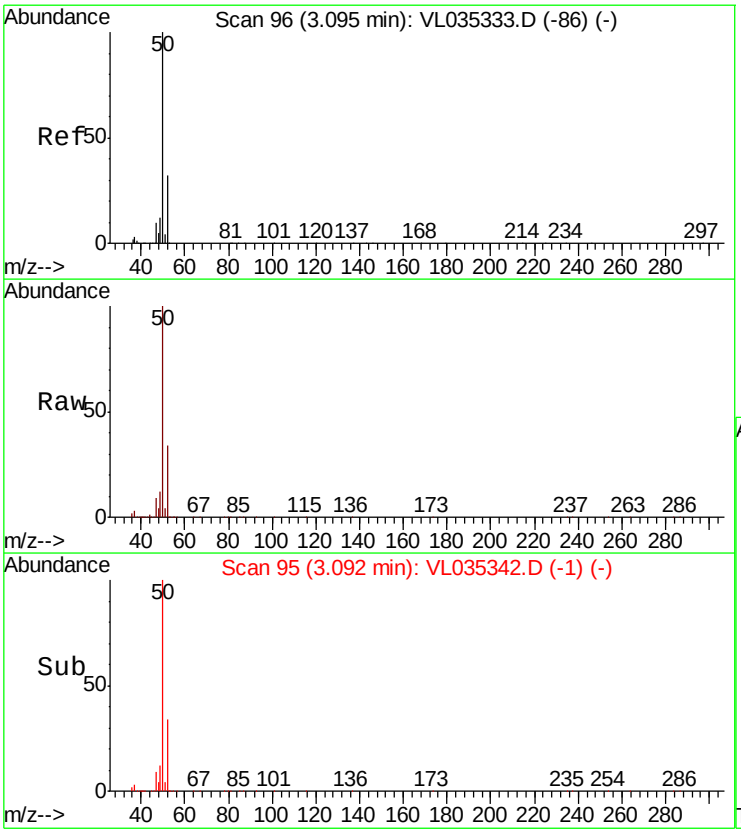

#3
Chlorodifluoromethane
Concen: 8.936 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 51 Resp: 1487693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 20.4 | 16.6 | 25.0 |



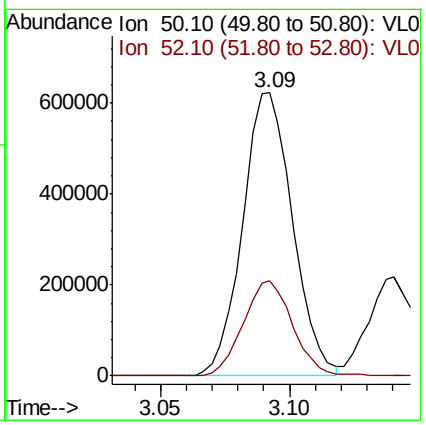

**Instrument :**
MSVOA_L
**ClientSampleId :**

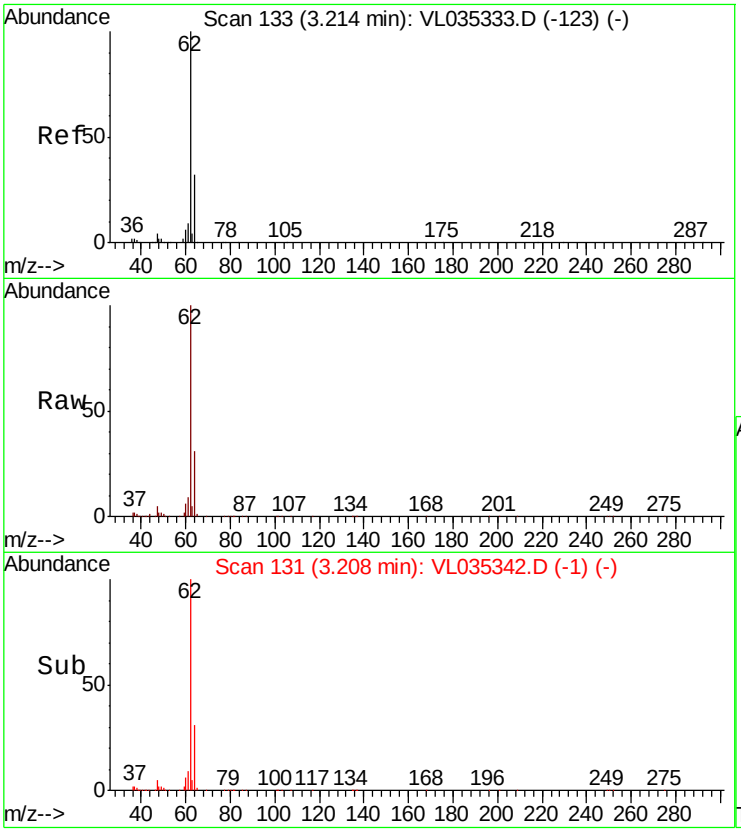



#4
Chloromethane
Concen: 8.941 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 50 Resp: 842767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.9 | 26.0 | 39.0 |



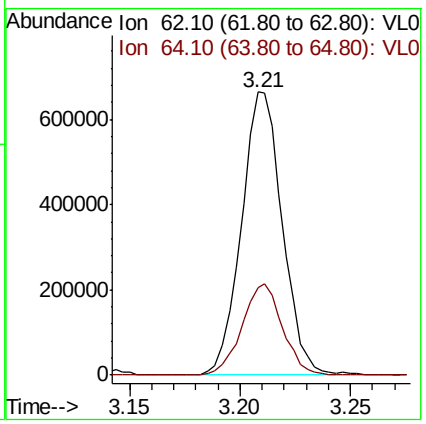


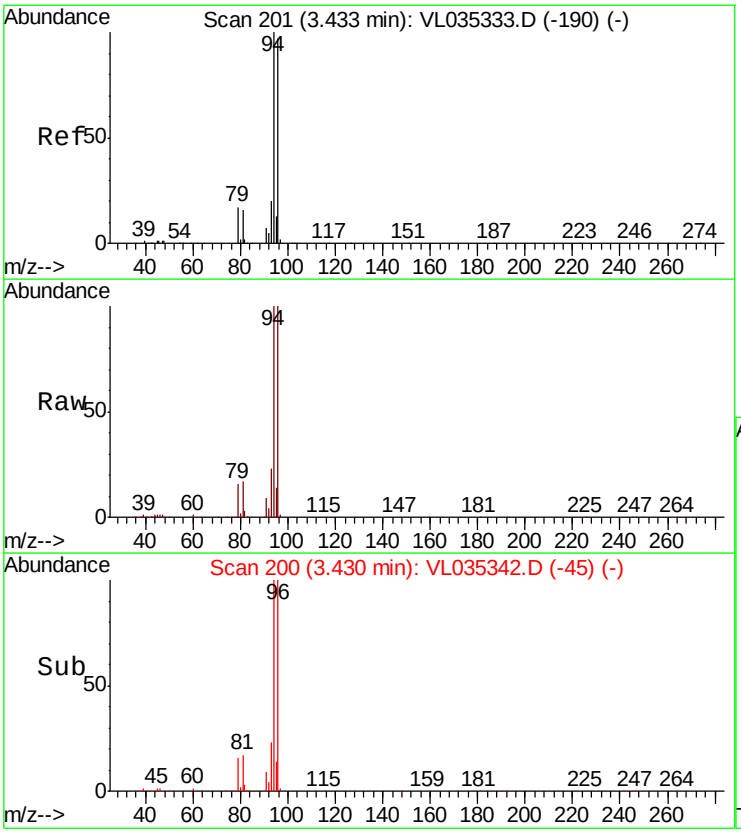

#5
Vinyl Chloride
Concen: 8.806 ppbv
RT: 3.21 min Scan# 131
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 62 Resp: 853790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 25.8 | 38.6 |

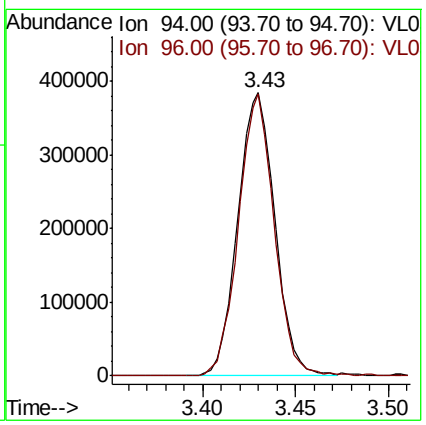


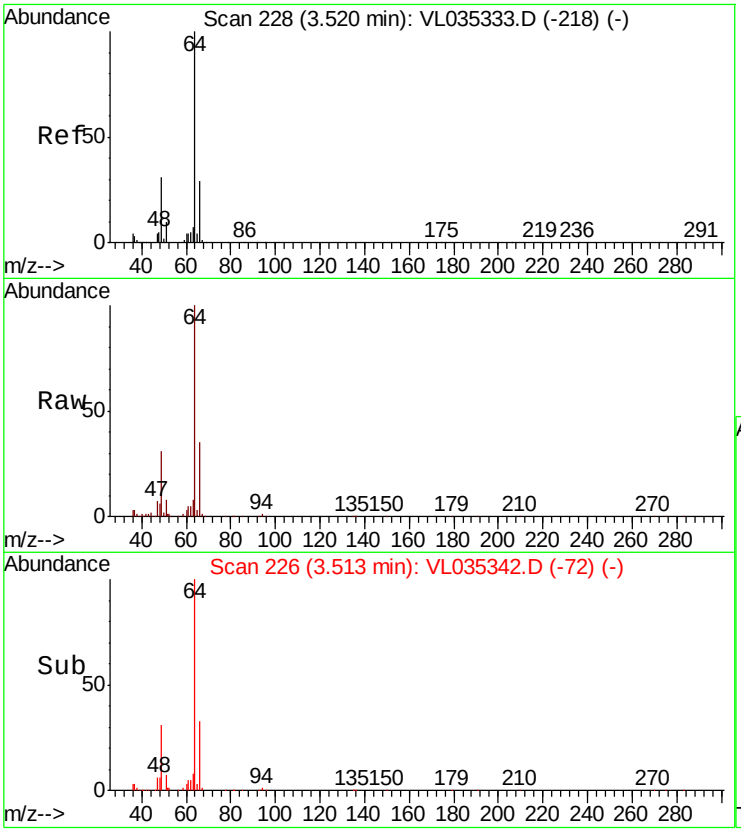




#6
Bromomethane
Concen: 8.980 ppbv
RT: 3.43 min Scan# 200
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 94 Resp: 533348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 99.6 | 77.3 | 115.9 |



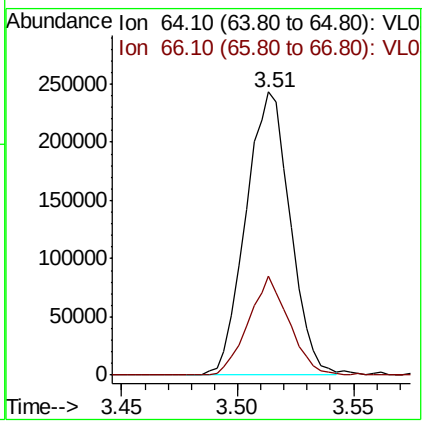


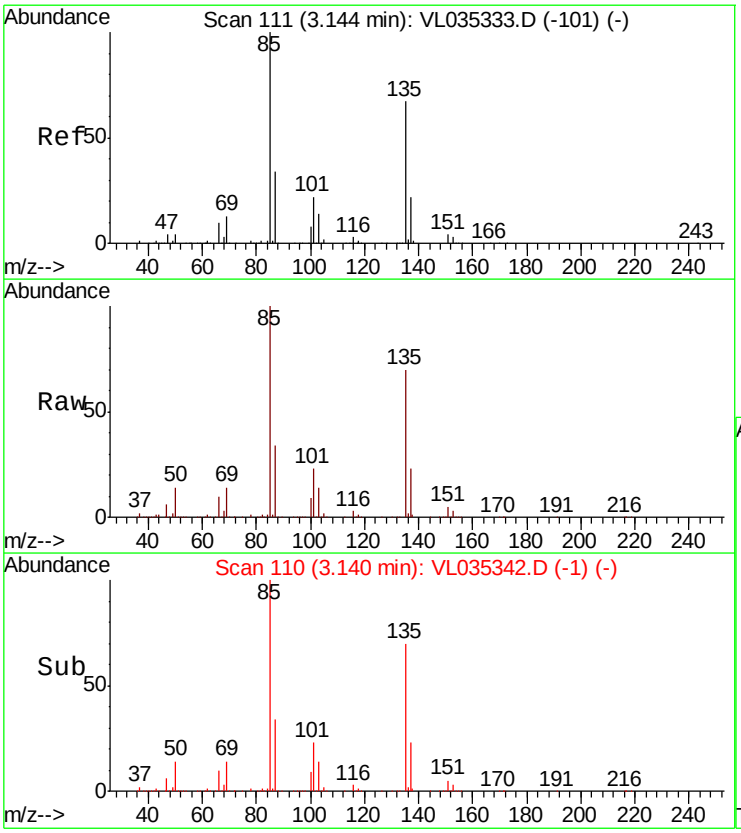

#7
Chloroethane
Concen: 8.950 ppbv
RT: 3.51 min Scan# 226
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 64 Resp: 322274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.9 | 23.0 | 34.6# |

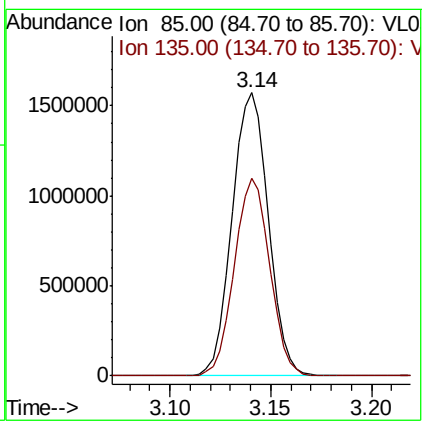


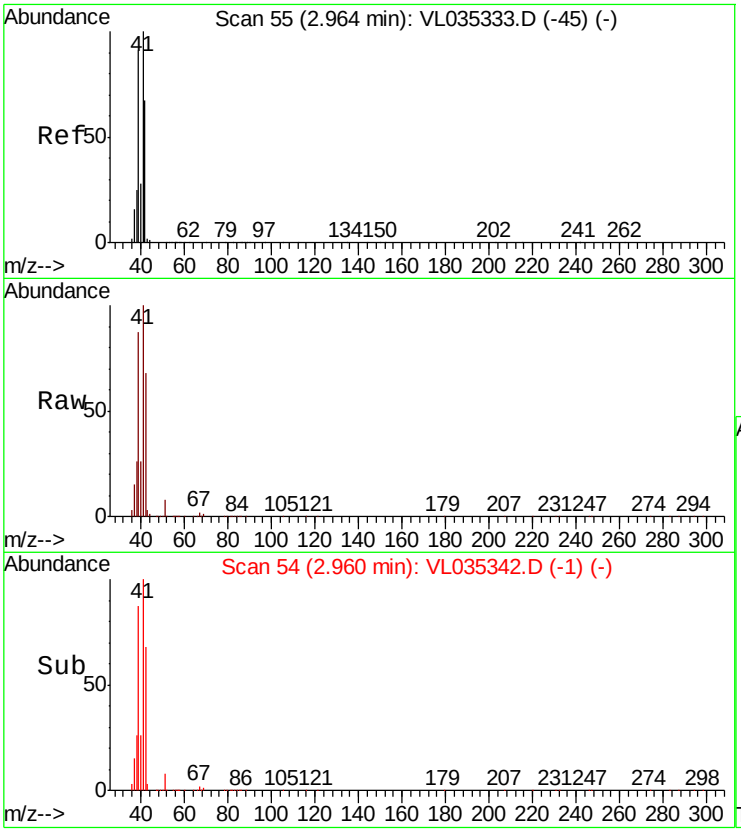




#8
Dichlorotetrafluoroethane
Concen: 8.664 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 85 Resp: 1986618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 68.4 | 54.5 | 81.7 |

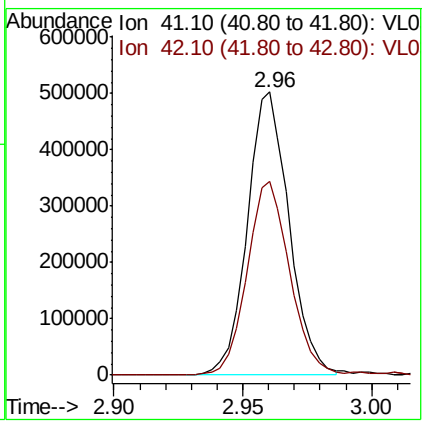




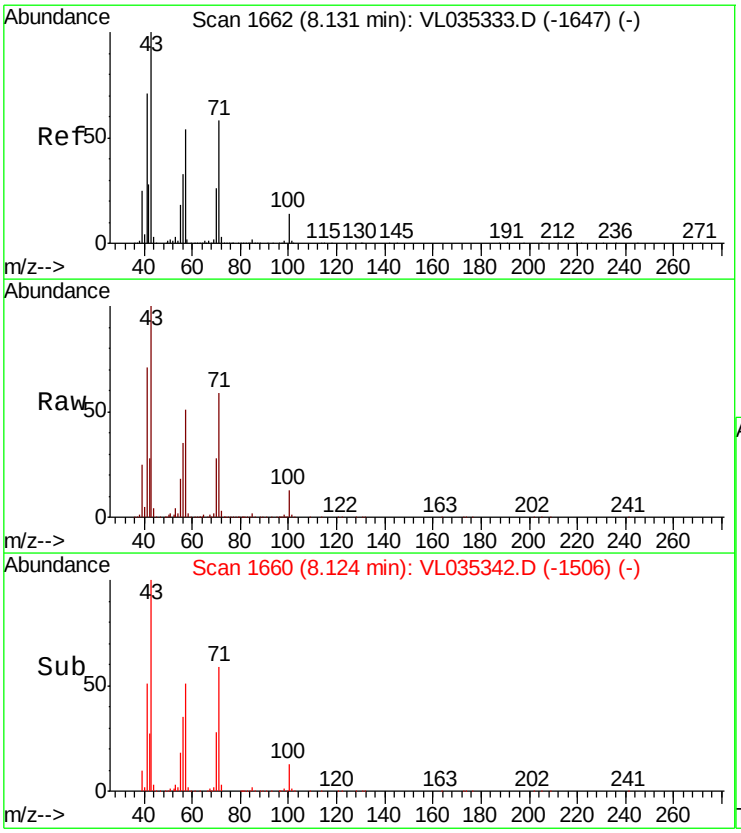

#9
Propene
Concen: 9.609 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 41 Resp: 570034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 71.1 | 55.3 | 82.9 |



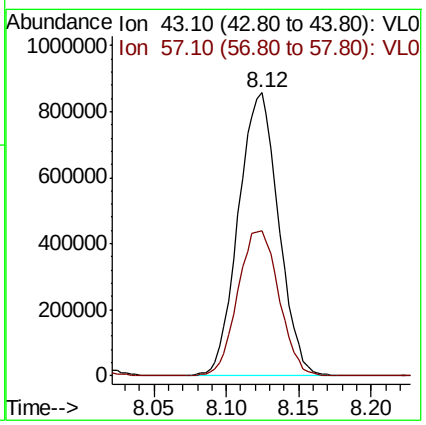

**Instrument :**
MSVOA_L
**ClientSampleId :**

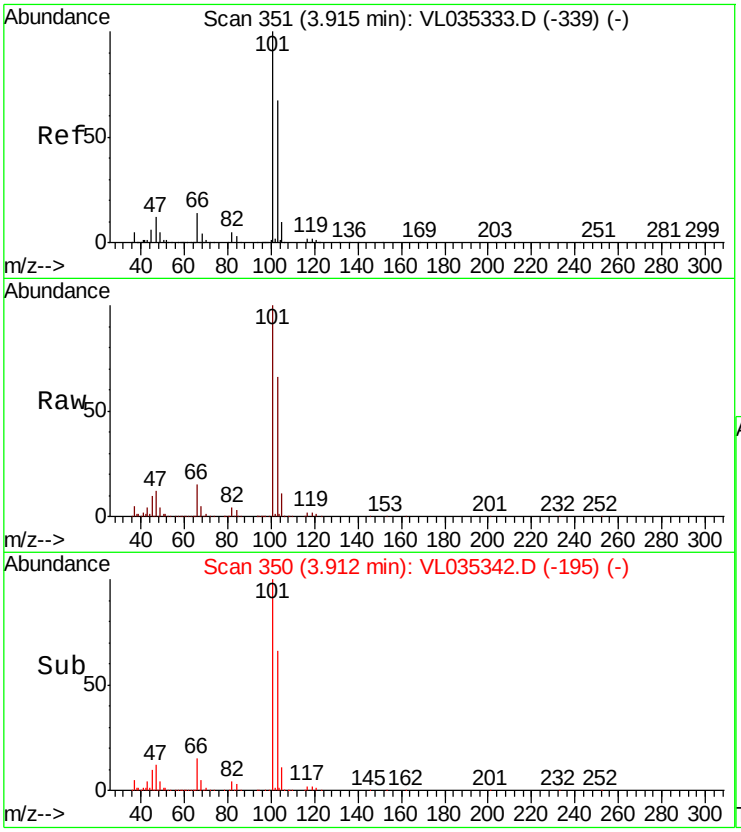



#10
Heptane
Concen: 10.874 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 43 Resp: 1647809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 52.9 | 43.0 | 64.6 |



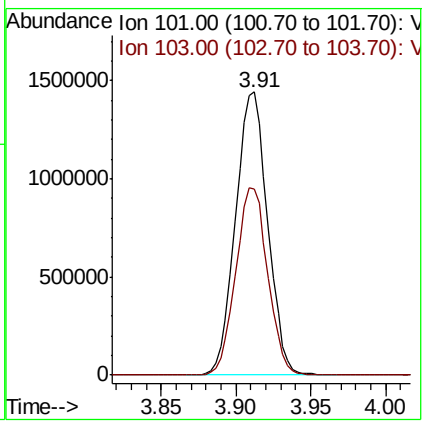


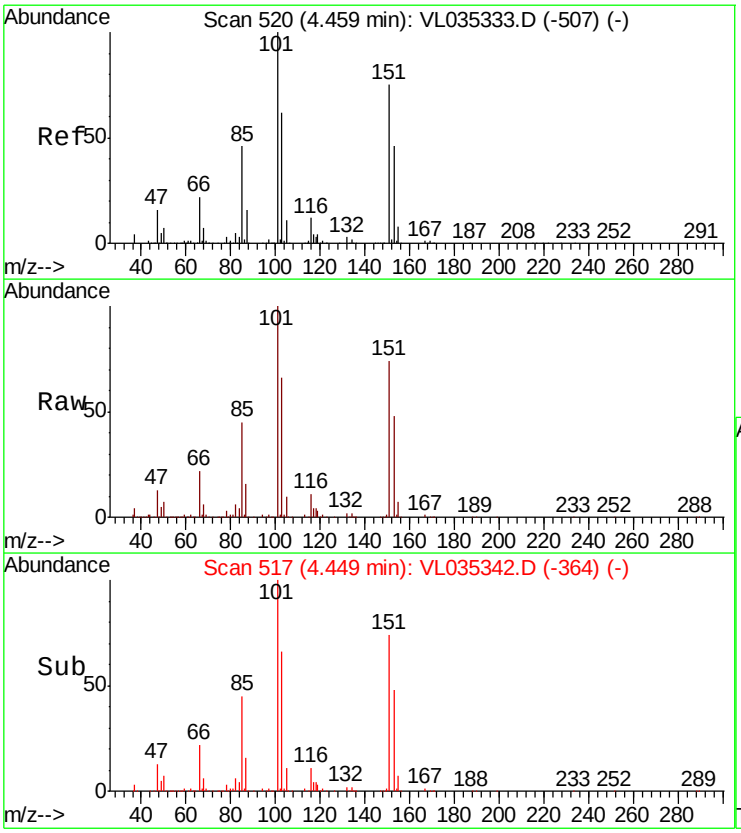

#11
Trichlorofluoromethane
Concen: 8.587 ppbv
RT: 3.91 min Scan# 350
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:101 Resp: 2158186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 53.8 | 80.8 |

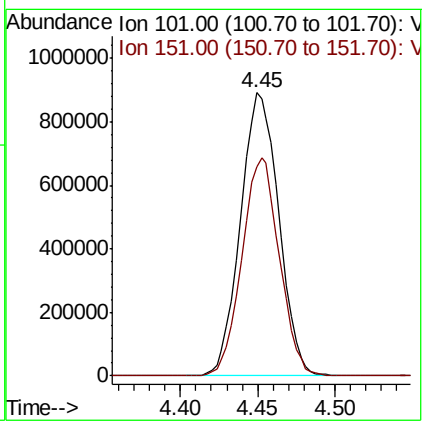


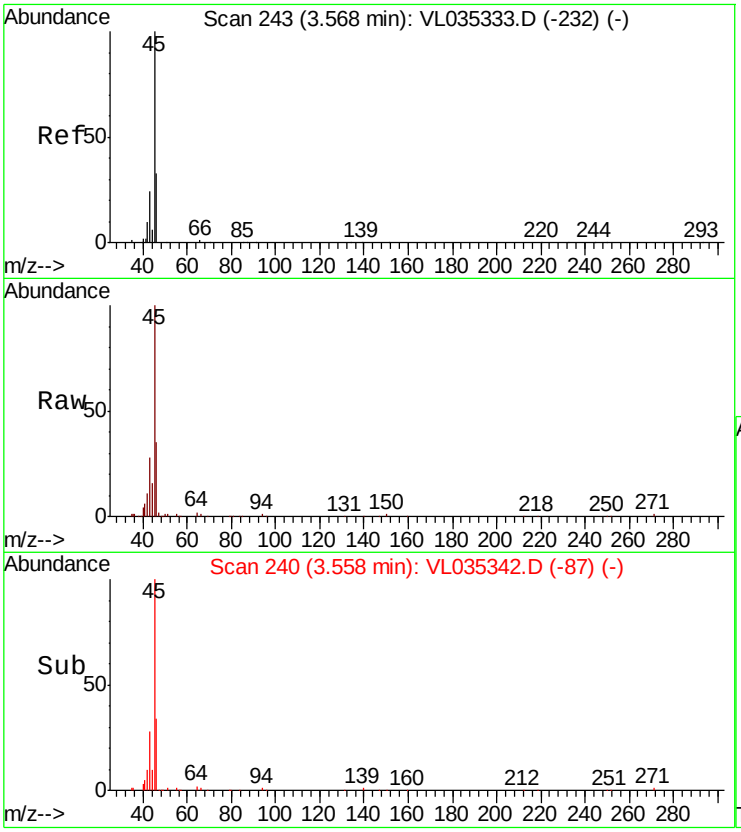




#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.545 ppbv
RT: 4.45 min Scan# 517
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:101 Resp: 1535019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 75.4 | 59.5 | 89.3 |



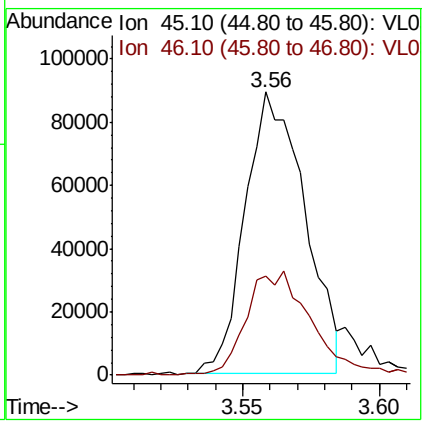


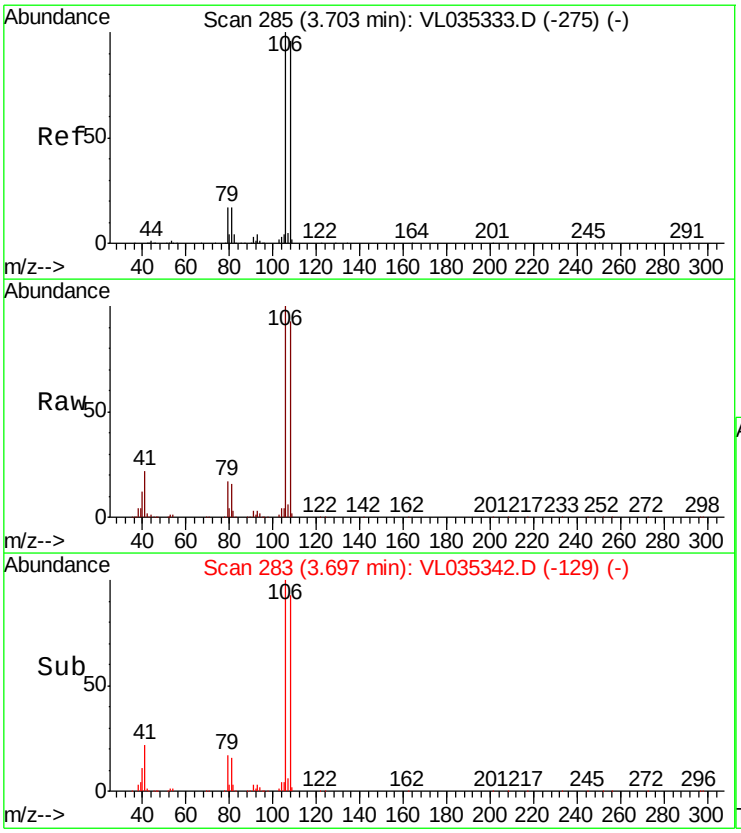

#13
Ethanol
Concen: 6.620 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 45 Resp: 135446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 40.8 | 15.2 | 61.0 |

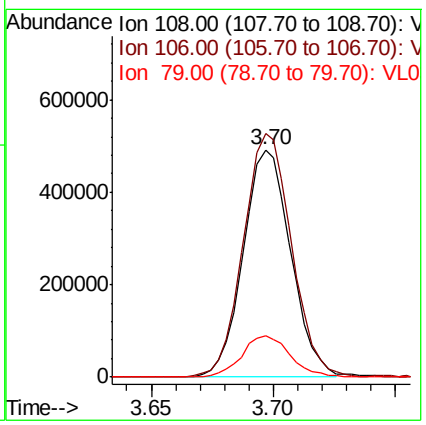


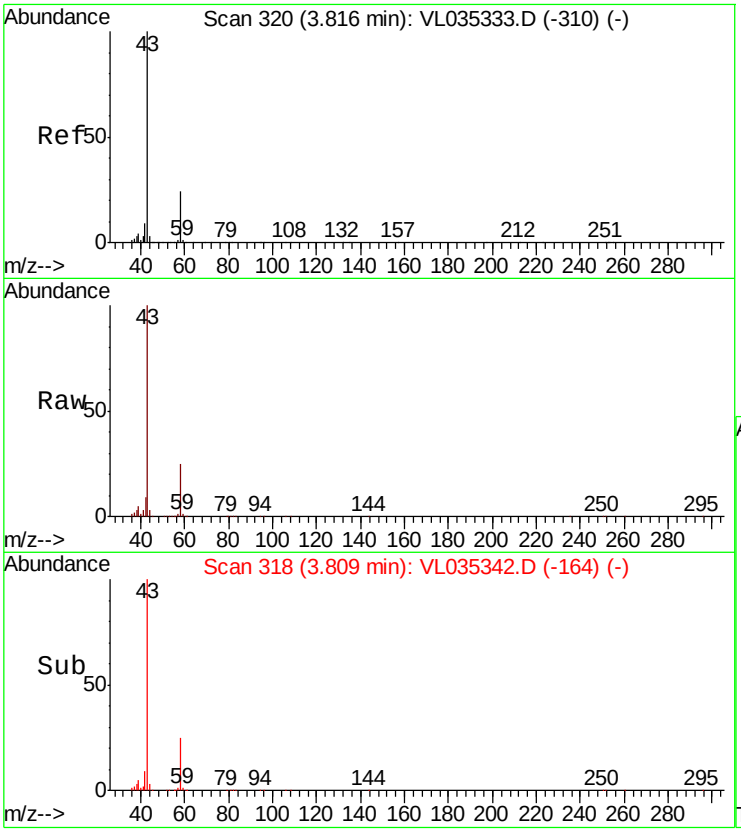




#14
Bromoethene
Concen: 9.183 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:108 Resp: 661483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 110.1 | 85.0 | 127.6 |
| 79 | 18.9 | 15.0 | 22.6 |



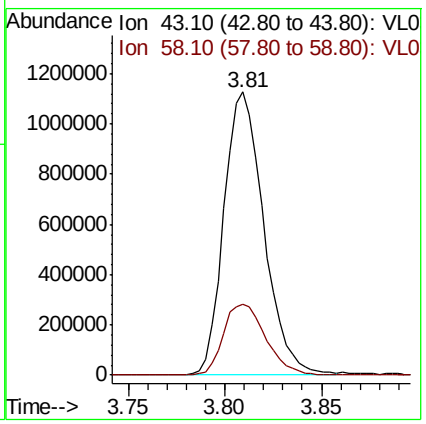


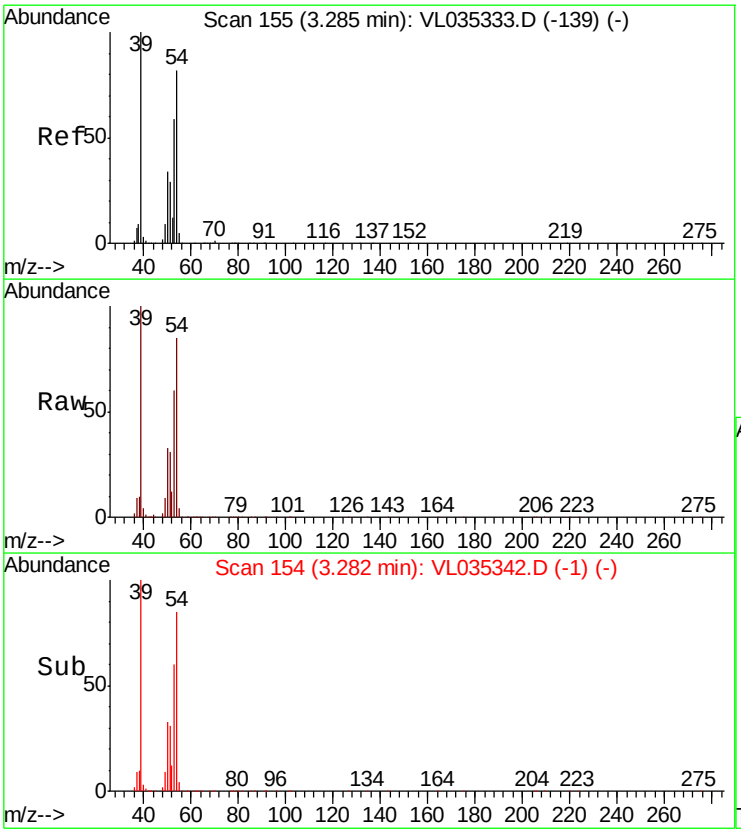

#15
Acetone
Concen: 7.768 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 43 Resp: 1608846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.9 | 21.0 | 31.4 |

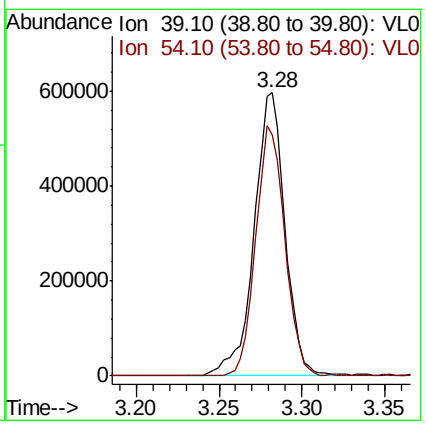


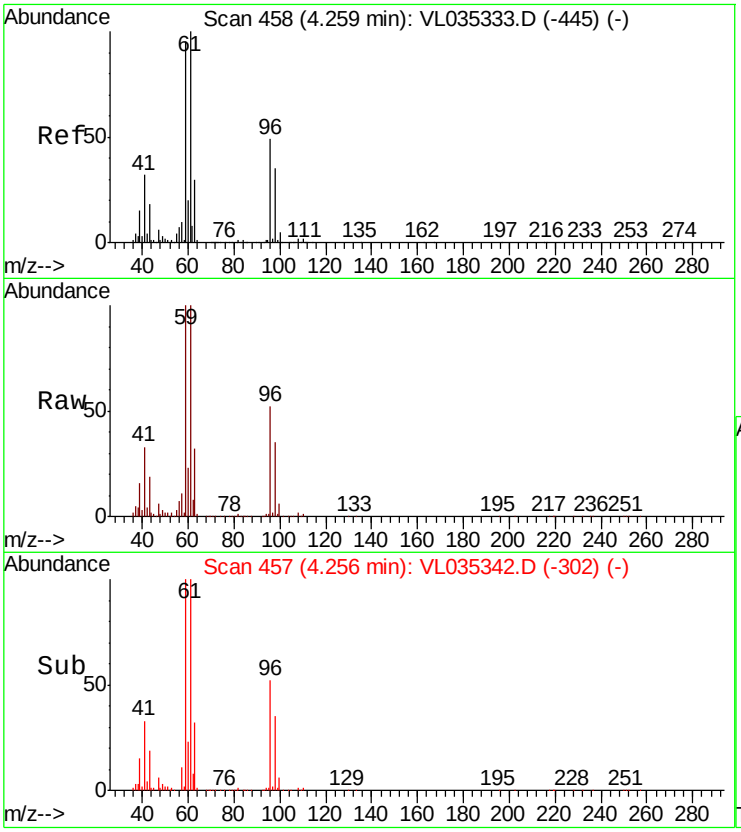




#16
1,3-Butadiene
Concen: 9.672 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 39 Resp: 770973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 83.6 | 64.4 | 96.6 |



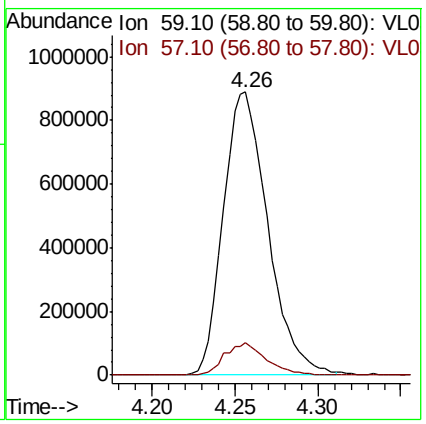


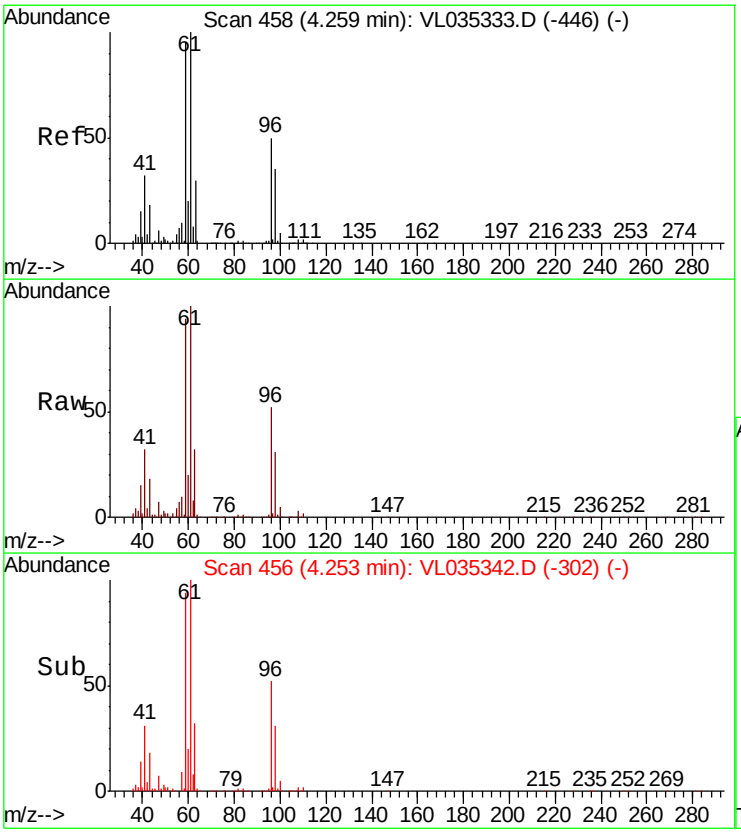

#17
tert-Butyl alcohol
Concen: 8.719 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 59 Resp: 1657301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.8 | 13.2 |

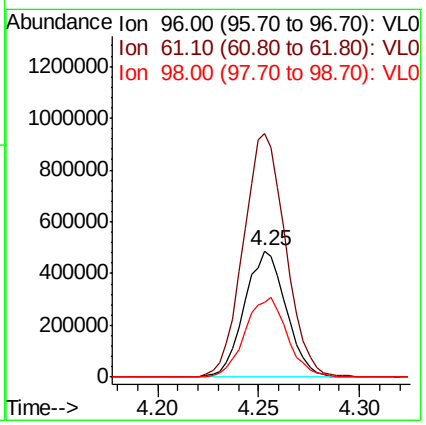


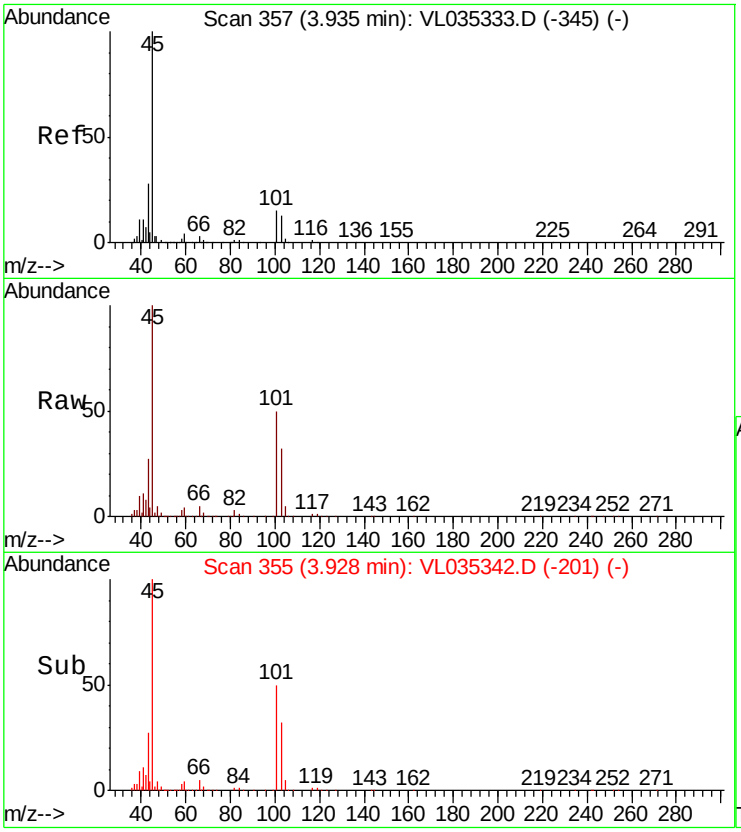




#18
1,1-Dichloroethene
Concen: 9.090 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 96 Resp: 701146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 193.2 | 161.4 | 242.2 |
| 98 | 59.4 | 56.0 | 84.0 |



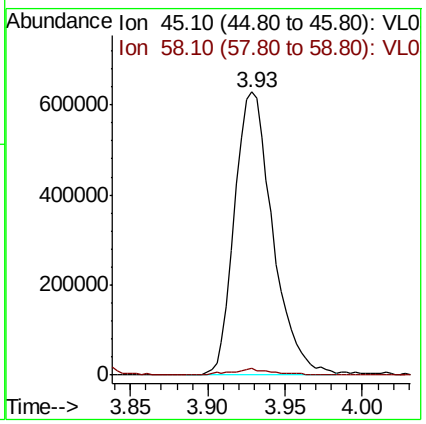


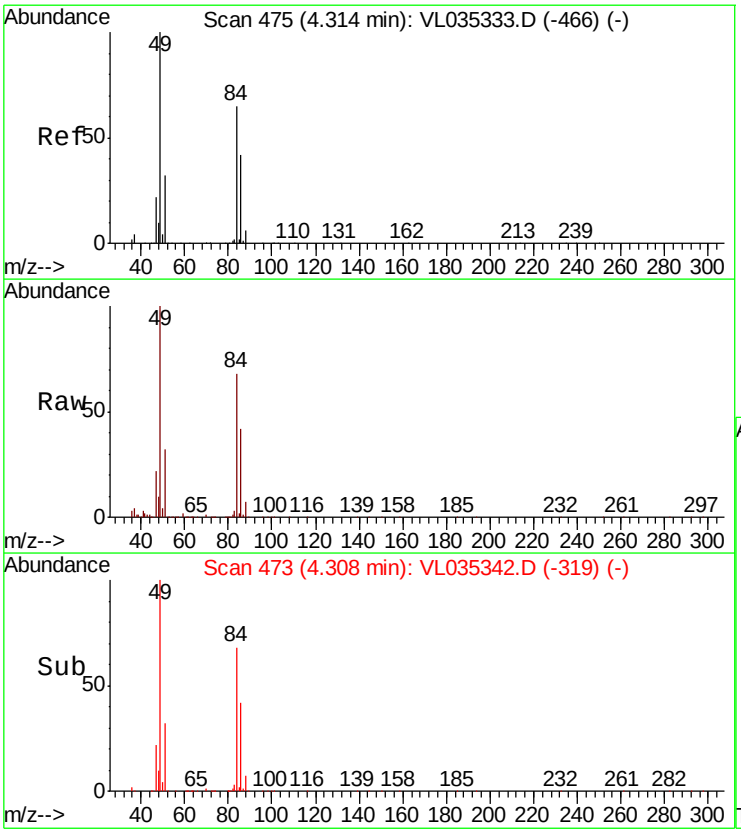

#19
Isopropyl Alcohol
Concen: 8.204 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 45 Resp: 1076973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 2.8 | 1.9 | 2.9 |

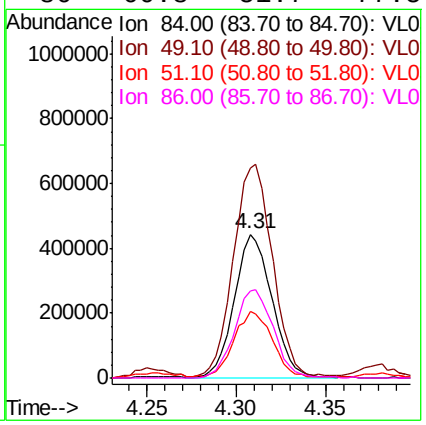


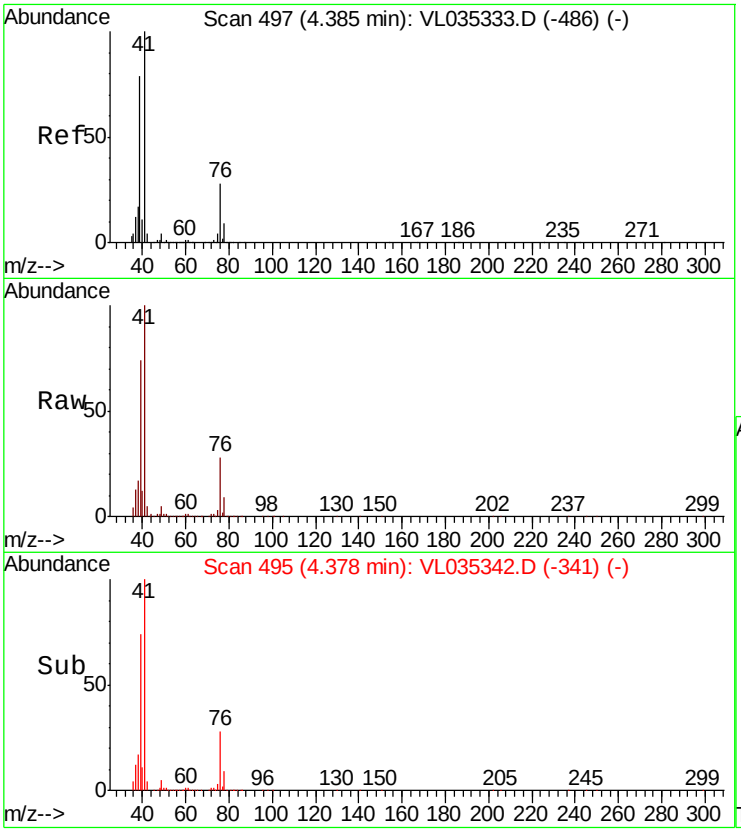




#20
Methylene Chloride
Concen: 7.644 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 84 Resp: 645611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 145.6 | 122.8 | 184.2 |
| 51 | 45.8 | 40.1 | 60.1 |
| 86 | 60.8 | 51.7 | 77.5 |



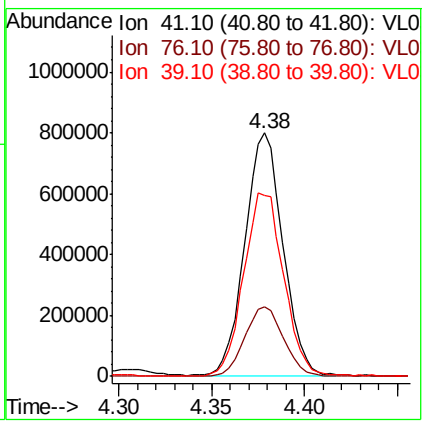


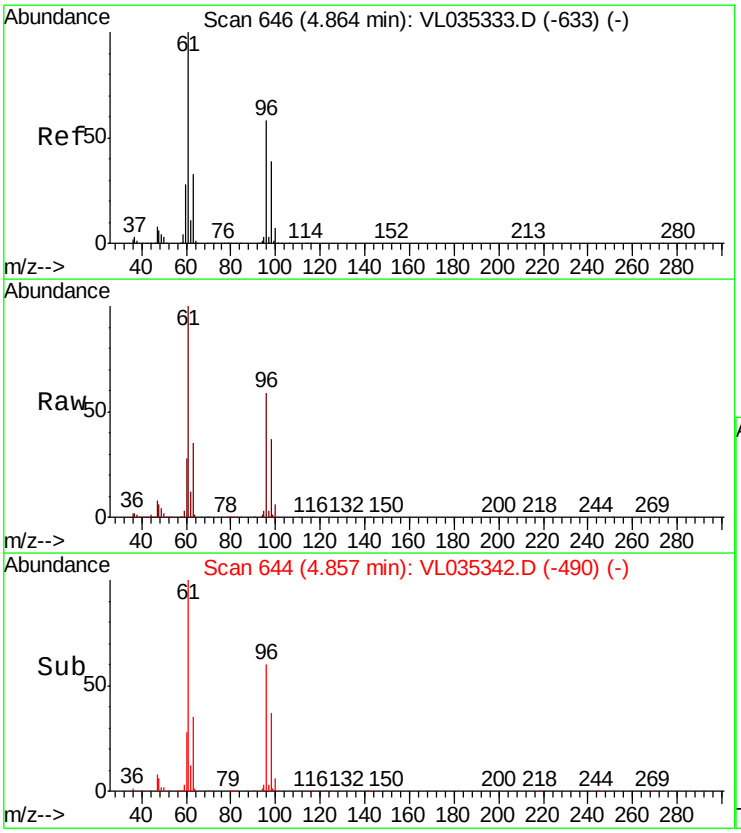

#21
Allyl Chloride
Concen: 9.562 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 41 Resp: 1134598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 29.3 | 23.8 | 35.6 |
| 39 | 79.5 | 65.0 | 97.6 |

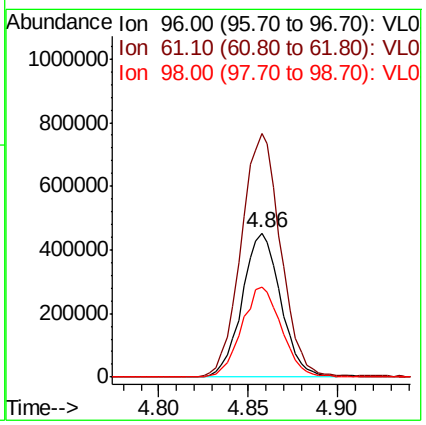


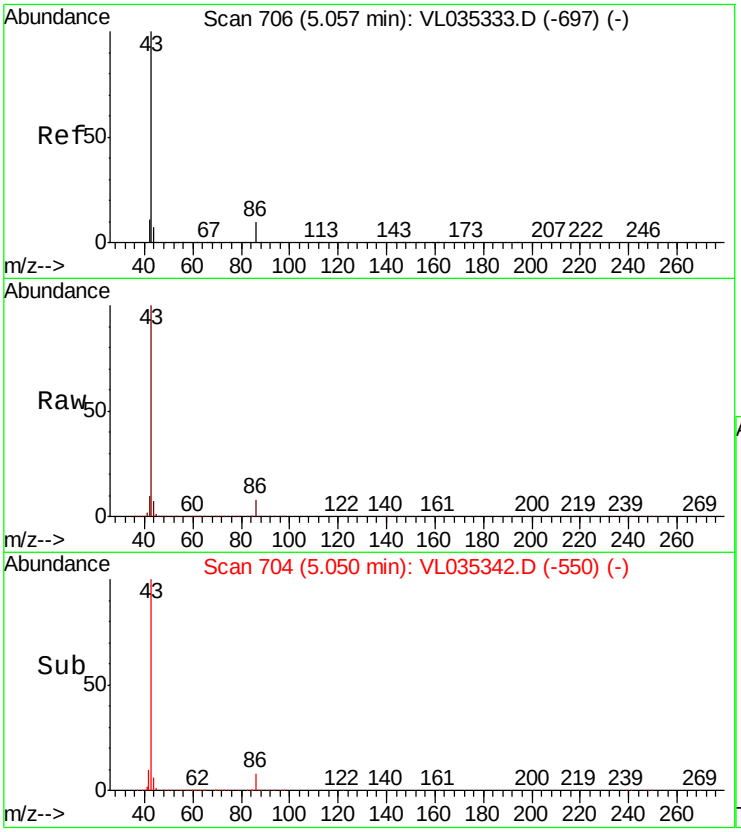




#22
trans-1,2-Dichloroethene
Concen: 9.126 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 96 Resp: 682566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.6 | 138.5 | 207.7 |
| 98 | 62.3 | 54.3 | 81.5 |



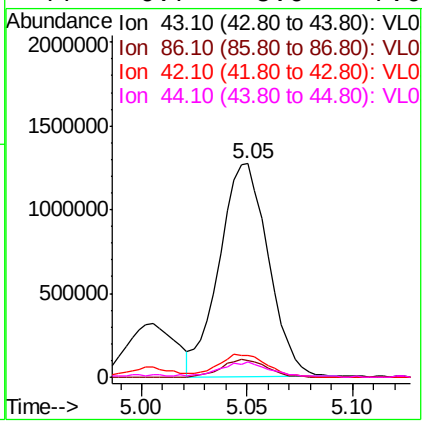


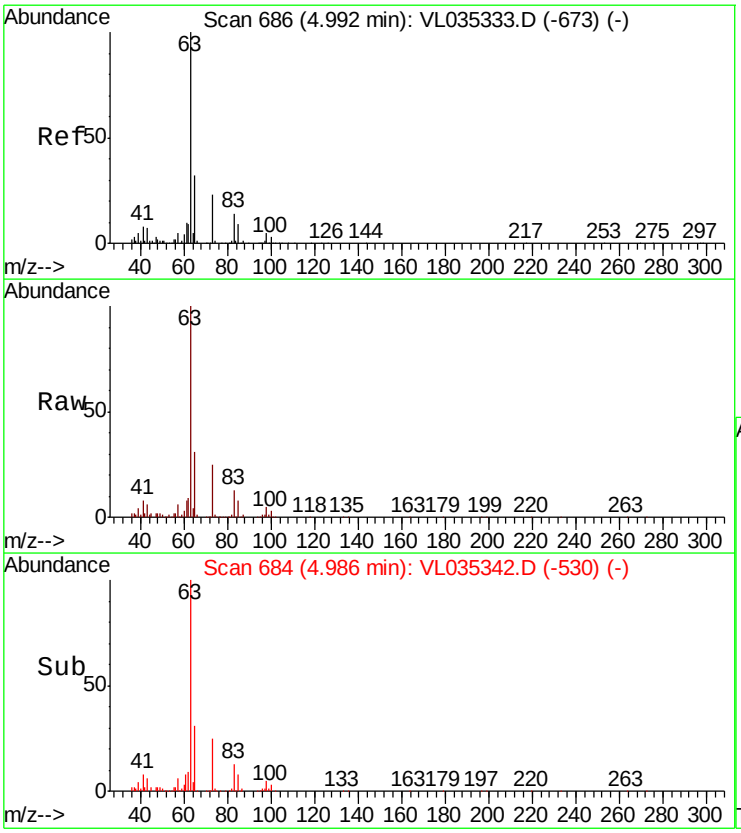

#23
Vinyl Acetate
Concen: 10.321 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 43 Resp: 2049581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.8 | 6.9 | 10.3 |
| 42 | 10.4 | 8.8 | 13.2 |
| 44 | 6.7 | 5.0 | 7.6 |

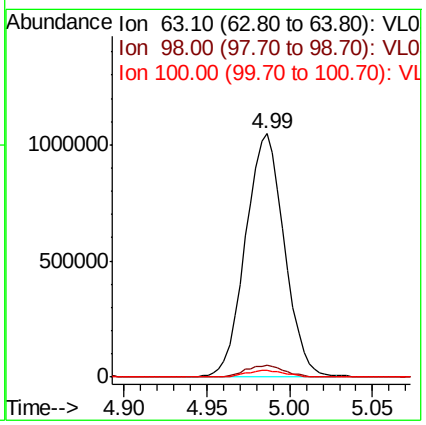


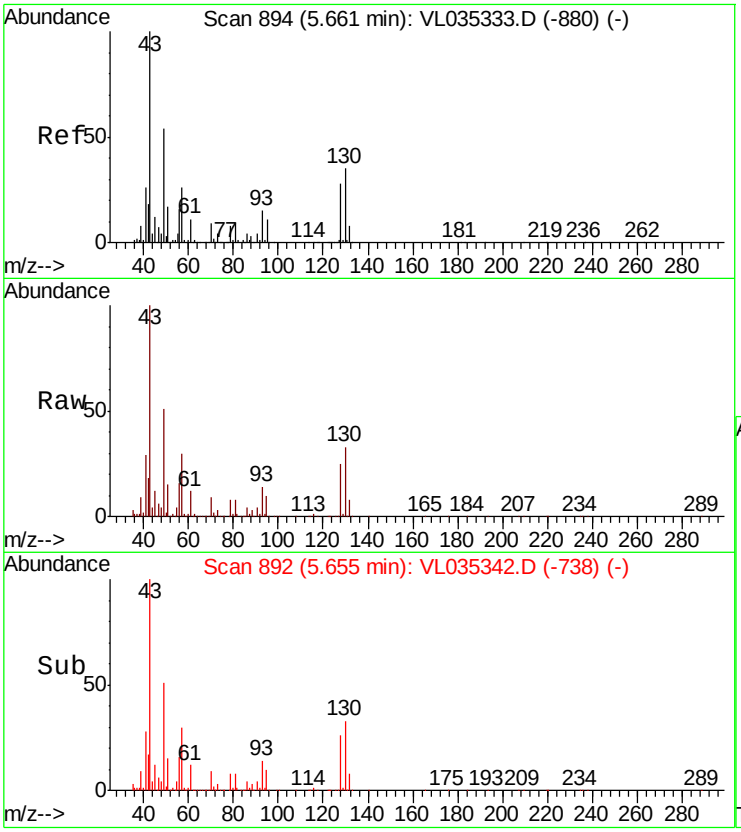




#24
1,1-Dichloroethane
Concen: 9.159 ppbv
RT: 4.99 min Scan# 684
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 63 Resp: 1709249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.8 | 2.5 | 7.5 |
| 100 | 2.9 | 1.4 | 4.2 |



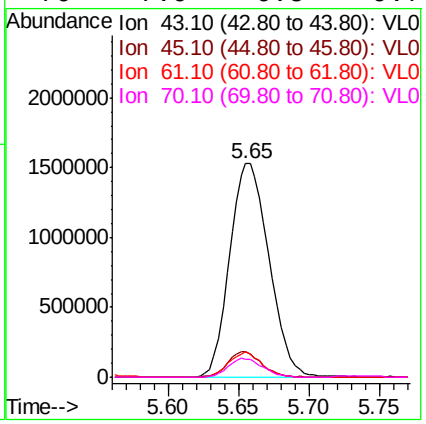


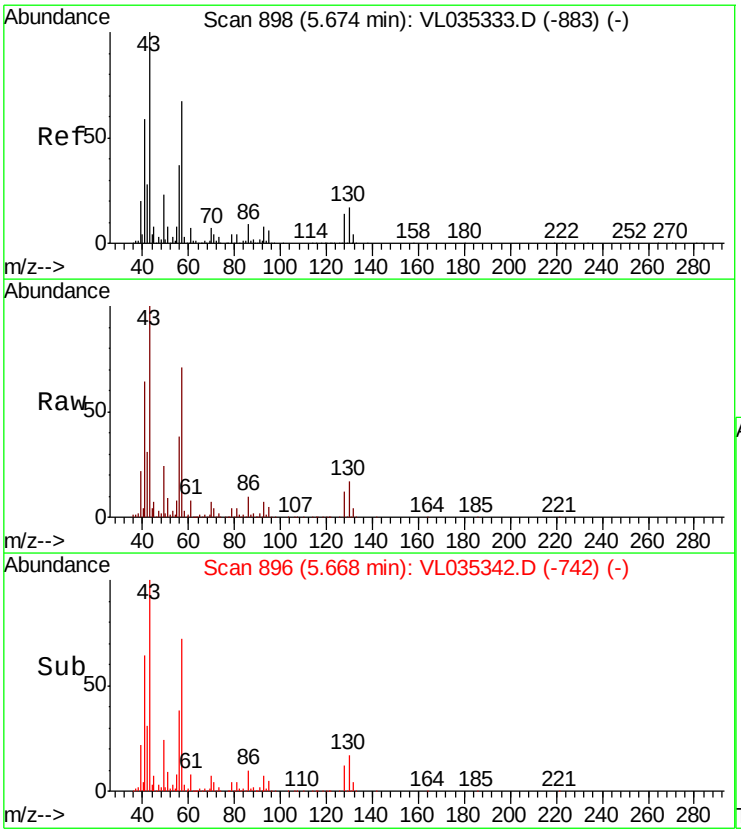

#25
Ethyl Acetate
Concen: 9.460 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 43 Resp: 2976804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 10.5 | 8.5 | 12.7 |
| 61 | 10.1 | 8.1 | 12.1 |
| 70 | 7.9 | 6.5 | 9.7 |

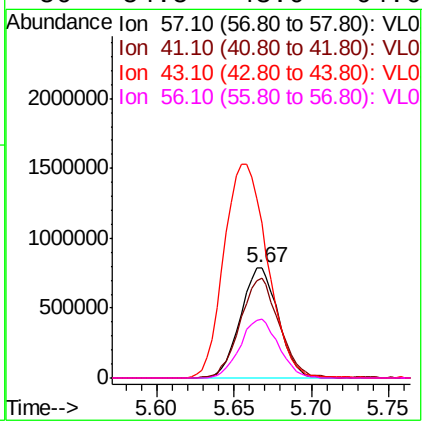


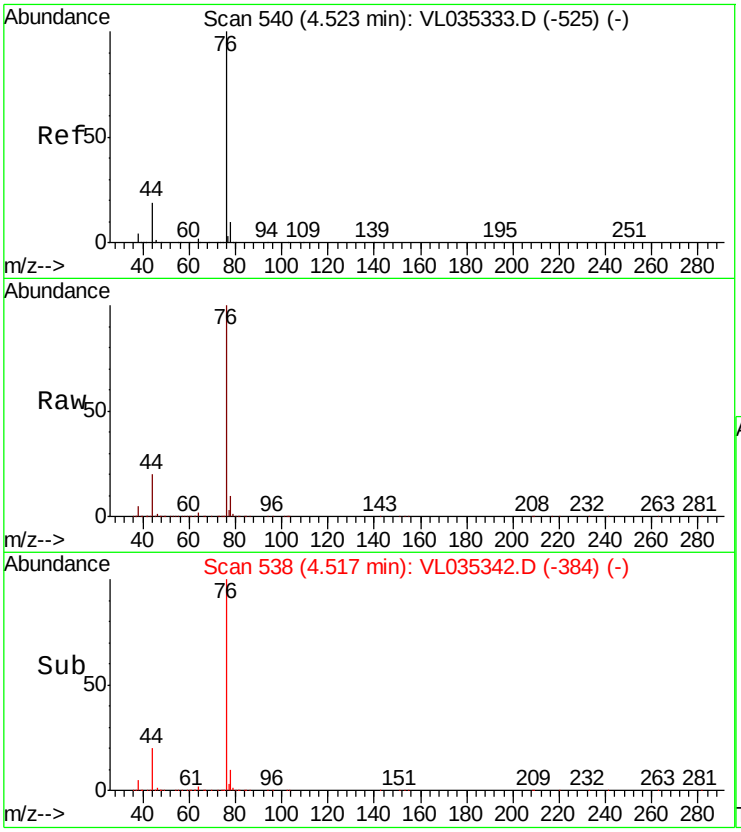




#26
Hexane
Concen: 9.783 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 57 Resp: 1335287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 94.0 | 75.2 | 112.8 |
| 43 | 224.9 | 180.6 | 270.8 |
| 56 | 54.5 | 43.0 | 64.6 |



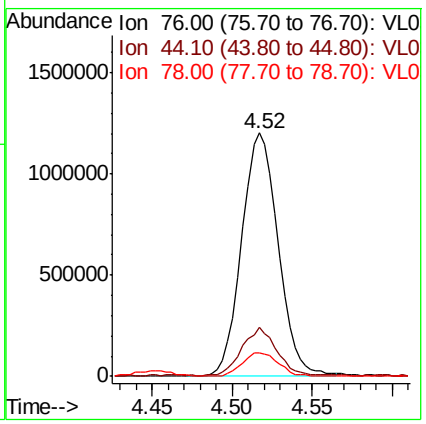


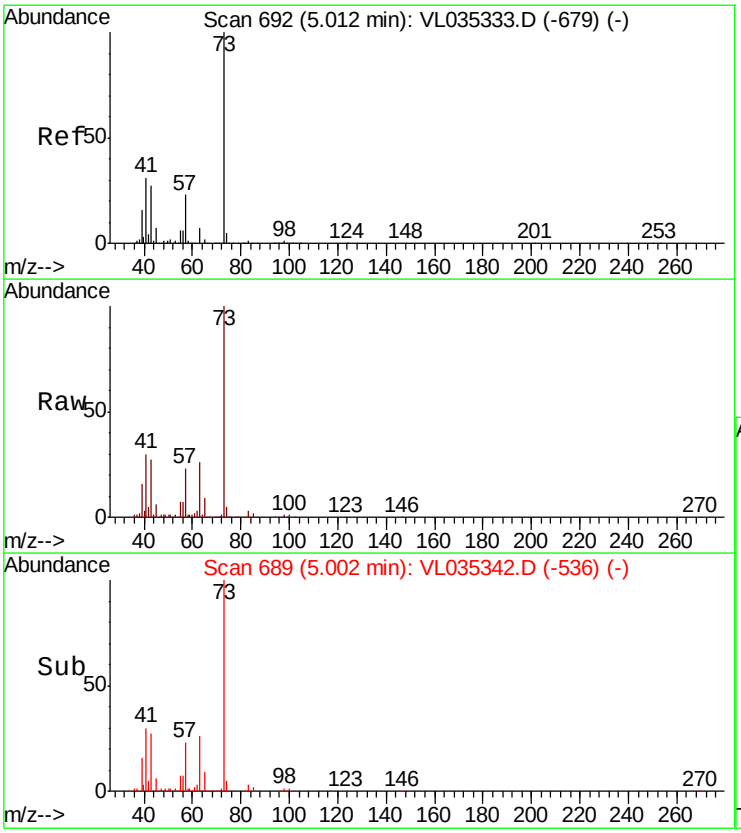

#27
Carbon Disulfide
Concen: 9.796 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 76 Resp: 1869842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 19.2 | 15.4 | 23.2 |
| 78 | 9.4 | 7.7 | 11.5 |

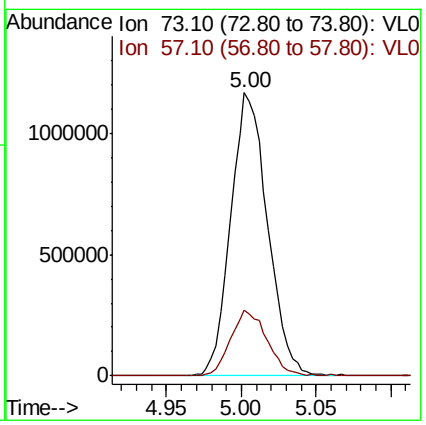


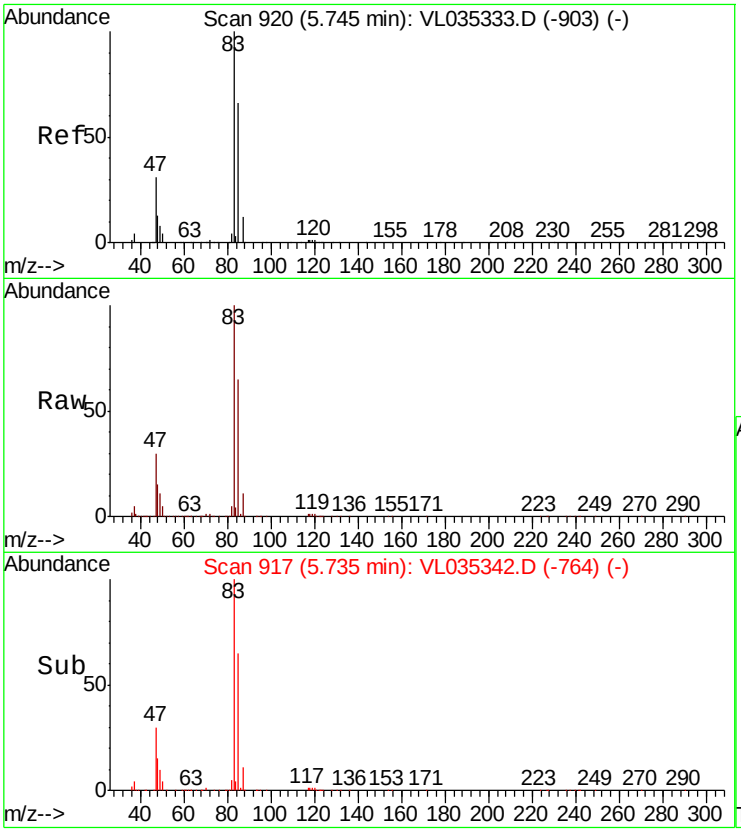




#28
Methyl tert-Butyl Ether
Concen: 10.062 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 73 Resp: 1996915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.2 | 17.9 | 26.9 |



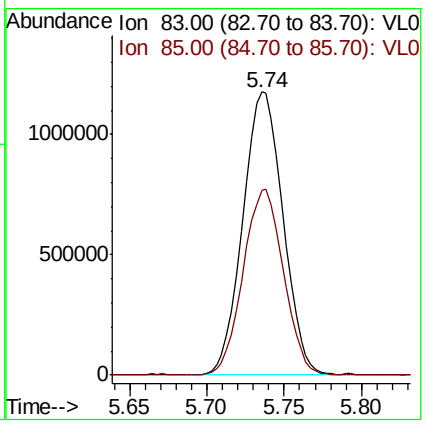


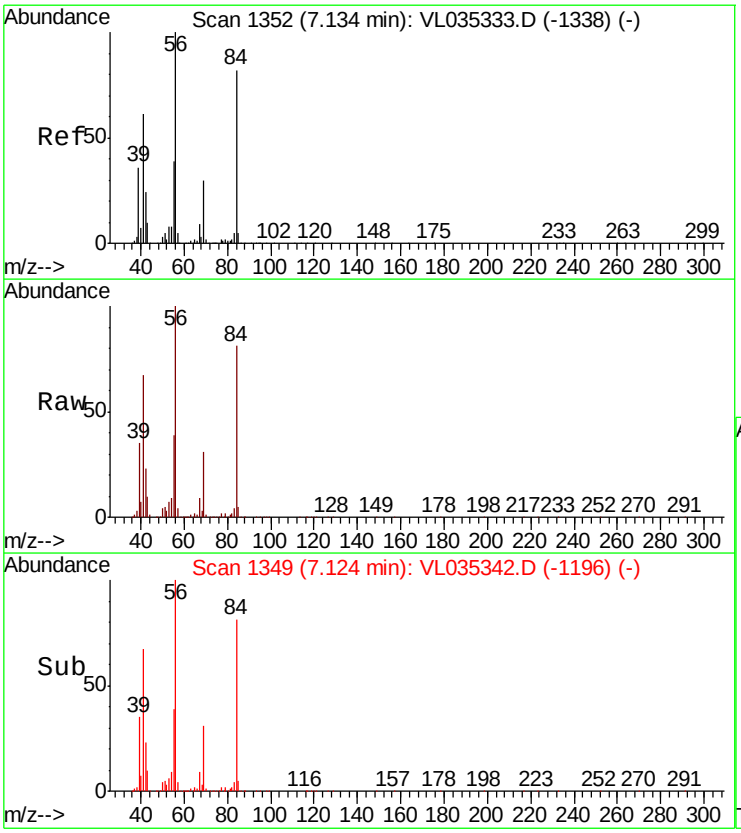

#29
Chloroform
Concen: 9.084 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 83 Resp: 2137659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 52.9 | 79.3 |

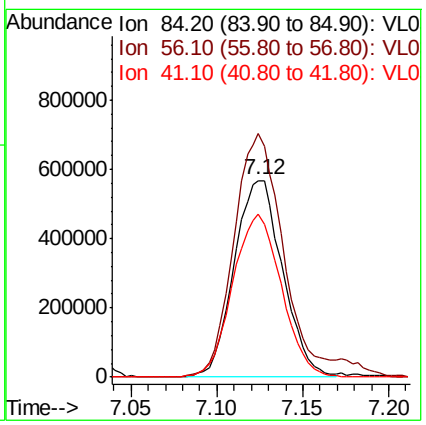


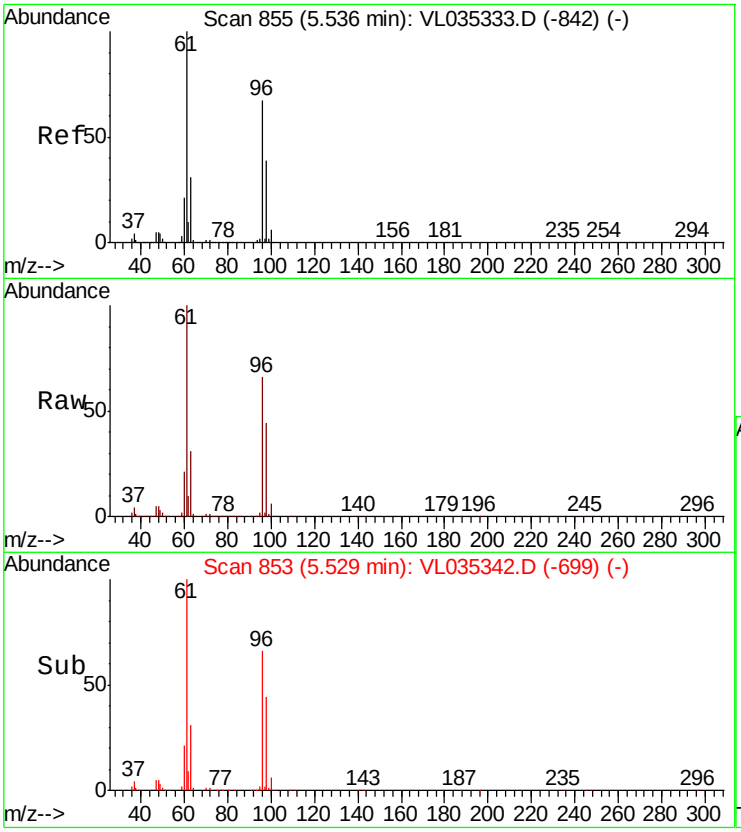




#30
Cyclohexane
Concen: 10.669 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 84 Resp: 1104204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 132.1 | 104.7 | 157.1 |
| 41 | 83.8 | 64.2 | 96.2 |



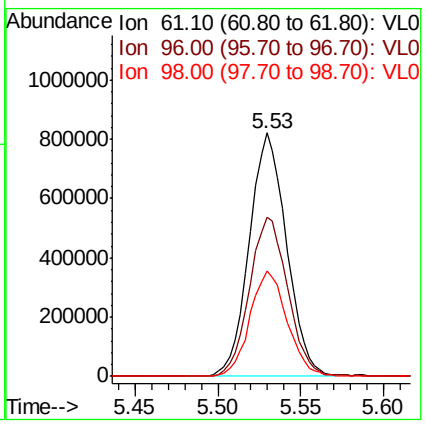


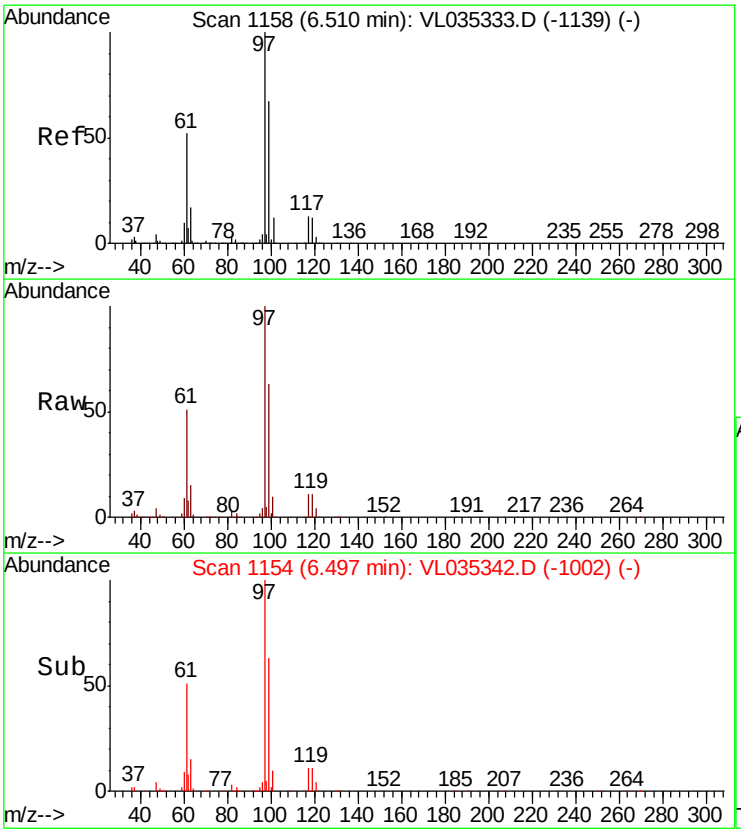

#31
cis-1,2-Dichloroethene
Concen: 10.569 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 61 Resp: 1282446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 65.6 | 53.6 | 80.4 |
| 98 | 43.5 | 31.0 | 46.4 |

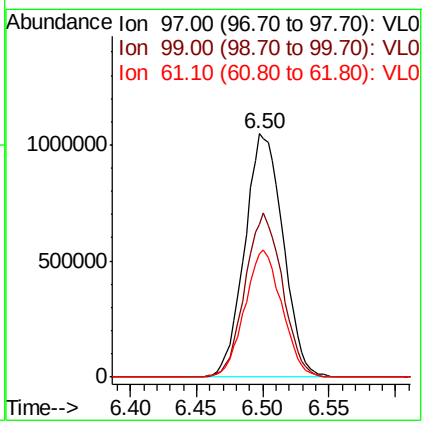


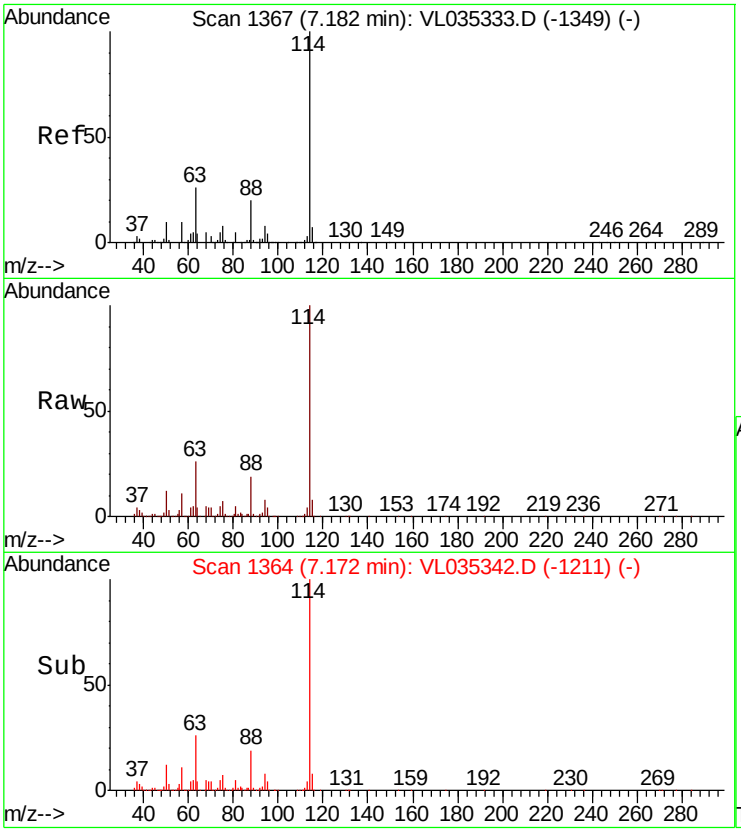




#32
1,1,1-Trichloroethane
Concen: 8.539 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 97 Resp: 2112011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.4 | 52.2 | 78.4 |
| 61 | 50.5 | 40.9 | 61.3 |



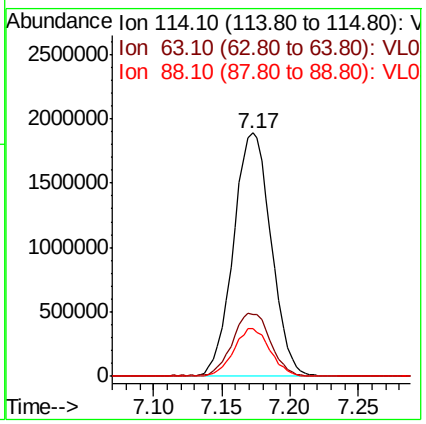


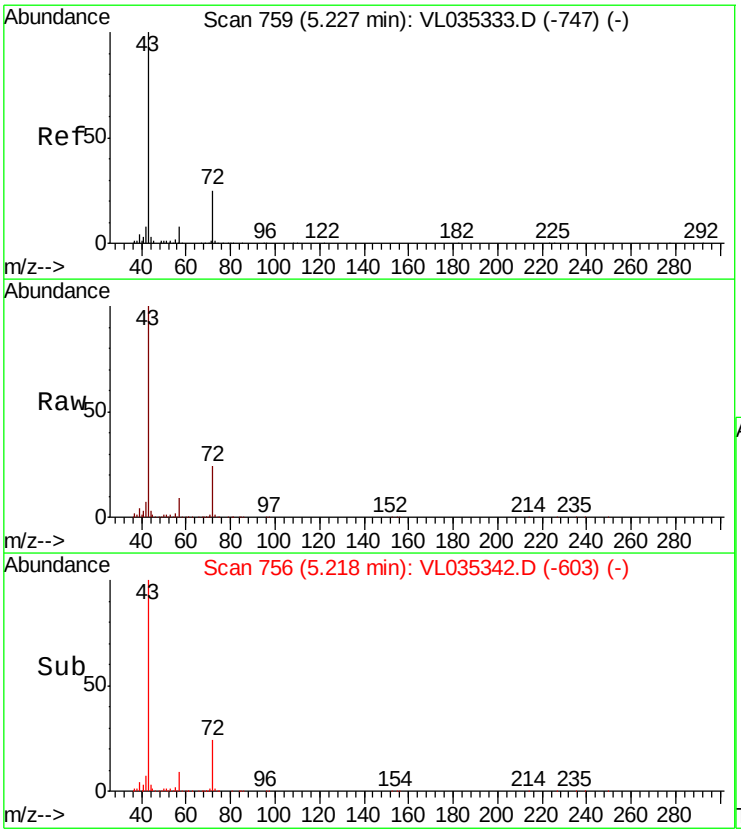

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:114 Resp: 3628312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.8 | 21.3 | 31.9 |
| 88 | 18.9 | 15.3 | 22.9 |

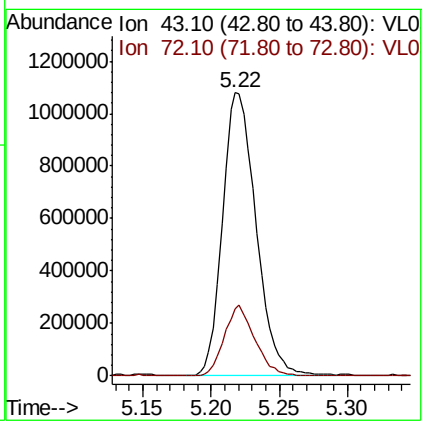


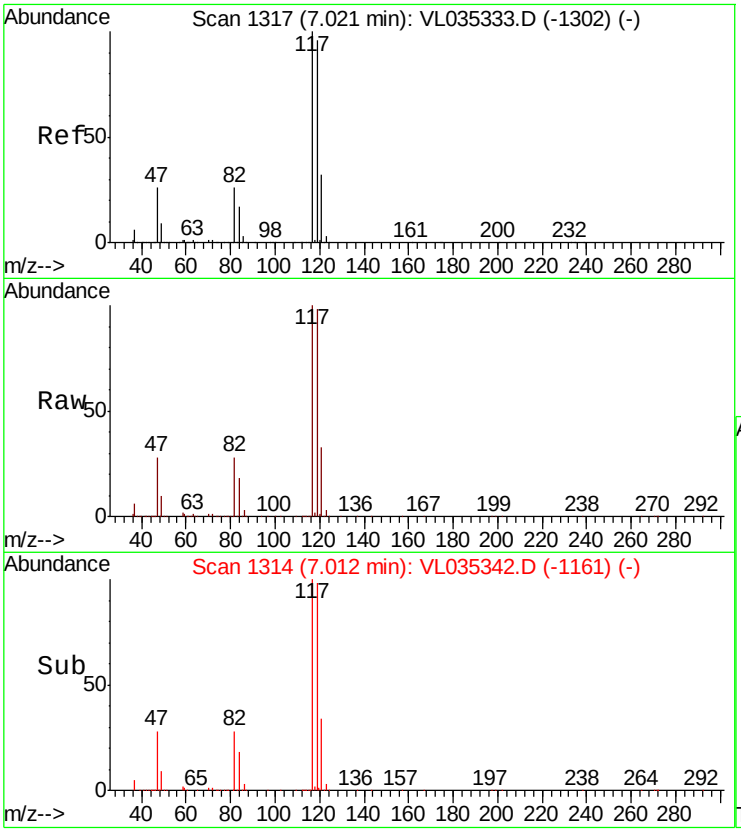




#34
2-Butanone
Concen: 10.304 ppbv
RT: 5.22 min Scan# 756
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 43 Resp: 1840826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.8 | 18.9 | 28.3 |



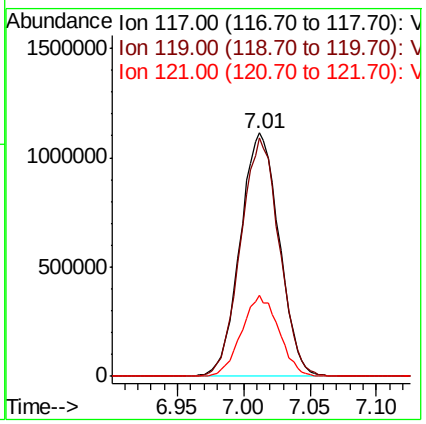


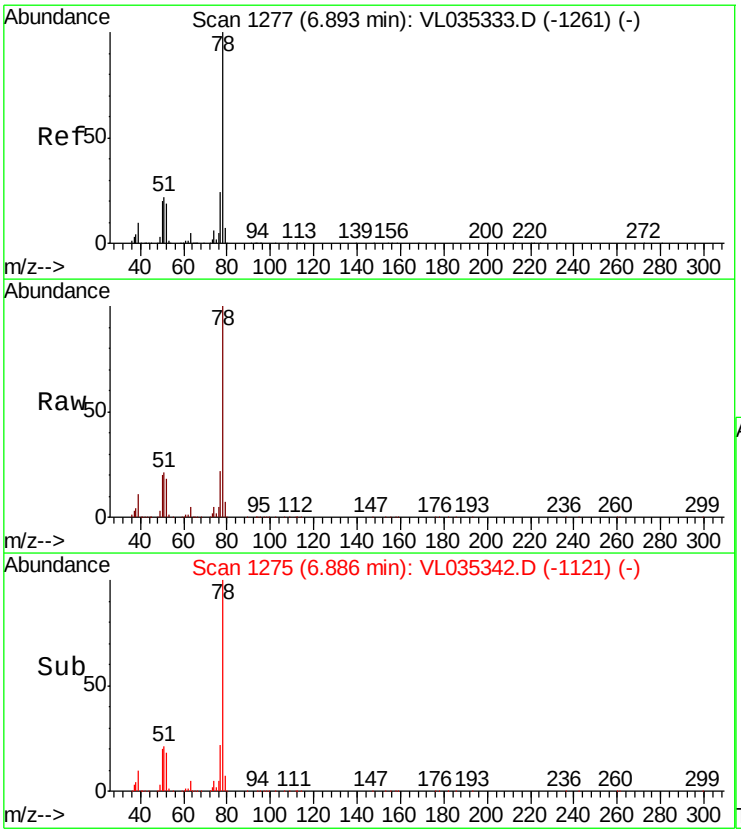

#35
Carbon Tetrachloride
Concen: 9.088 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:117 Resp: 2269051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.7 | 77.0 | 115.6 |
| 121 | 33.3 | 26.0 | 39.0 |

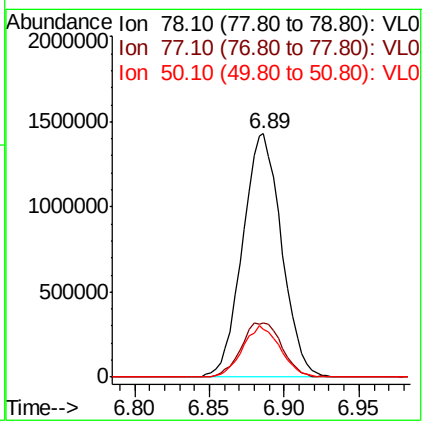


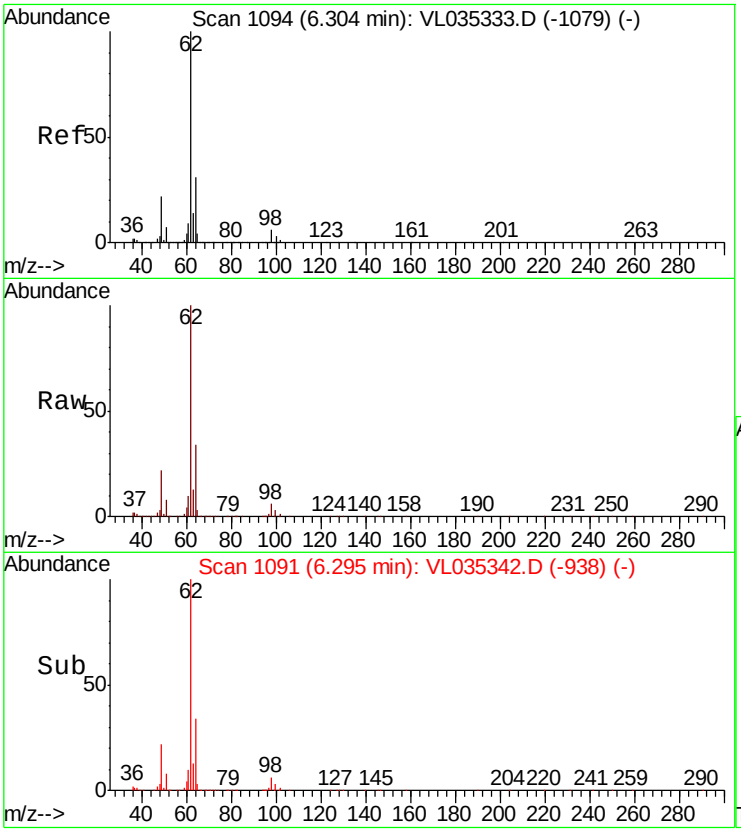




#36
Benzene
Concen: 10.587 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 78 Resp: 2593830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.3 | 19.3 | 28.9 |
| 50 | 19.5 | 16.3 | 24.5 |



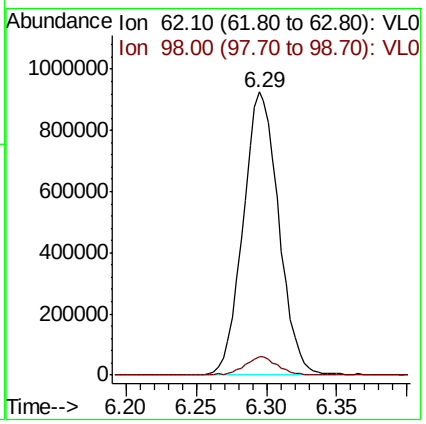


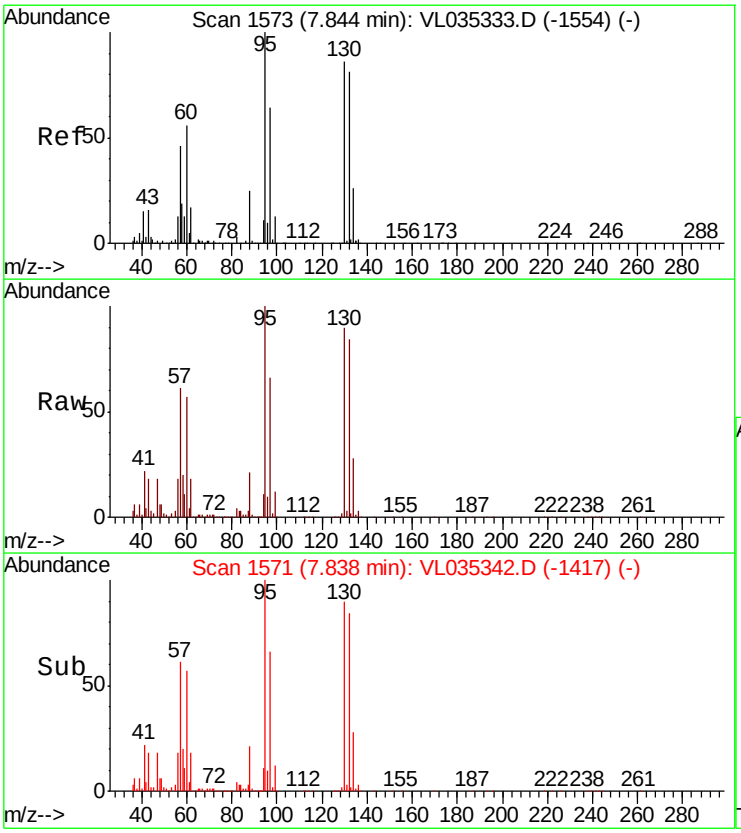

#37
1,2-Dichloroethane
Concen: 9.557 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 62 Resp: 1635878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 6.0 | 4.6 | 7.0 |

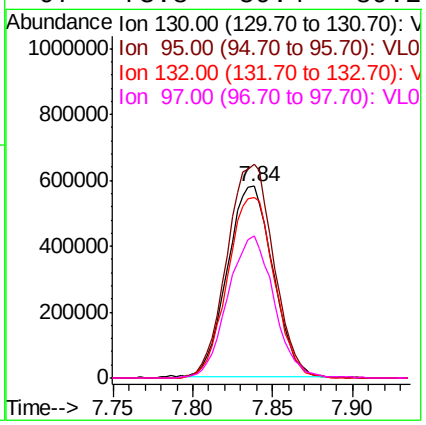


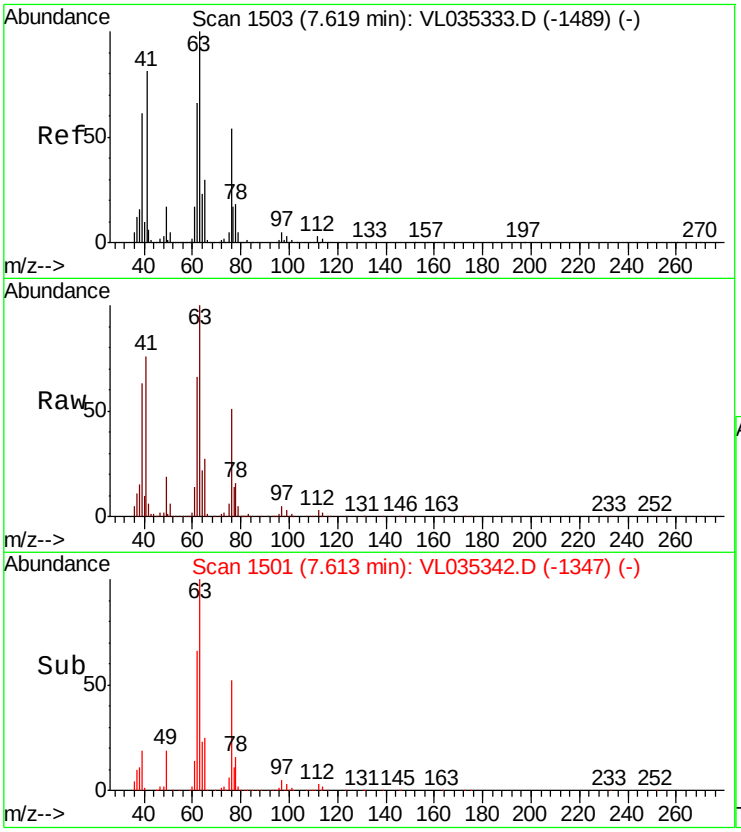




#38
Trichloroethene
Concen: 10.009 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:130 Resp: 1131236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 111.5 | 93.4 | 140.2 |
| 132 | 94.0 | 76.1 | 114.1 |
| 97 | 73.8 | 59.4 | 89.2 |



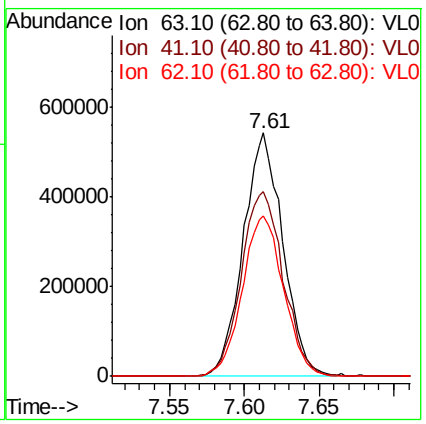


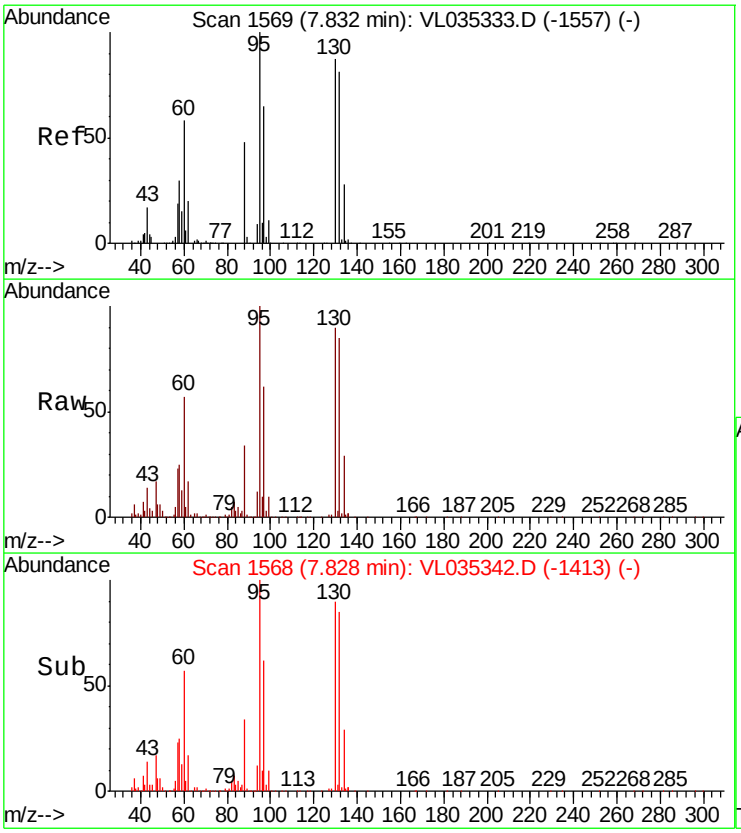

#39
1,2-Dichloropropane
Concen: 10.051 ppbv
RT: 7.61 min Scan# 1501
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 63 Resp: 996872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 76.1 | 64.4 | 96.6 |
| 62 | 65.7 | 52.6 | 78.8 |

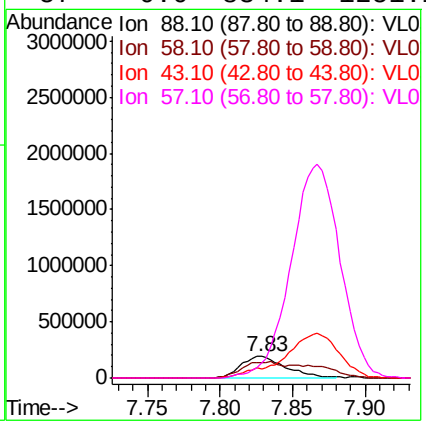


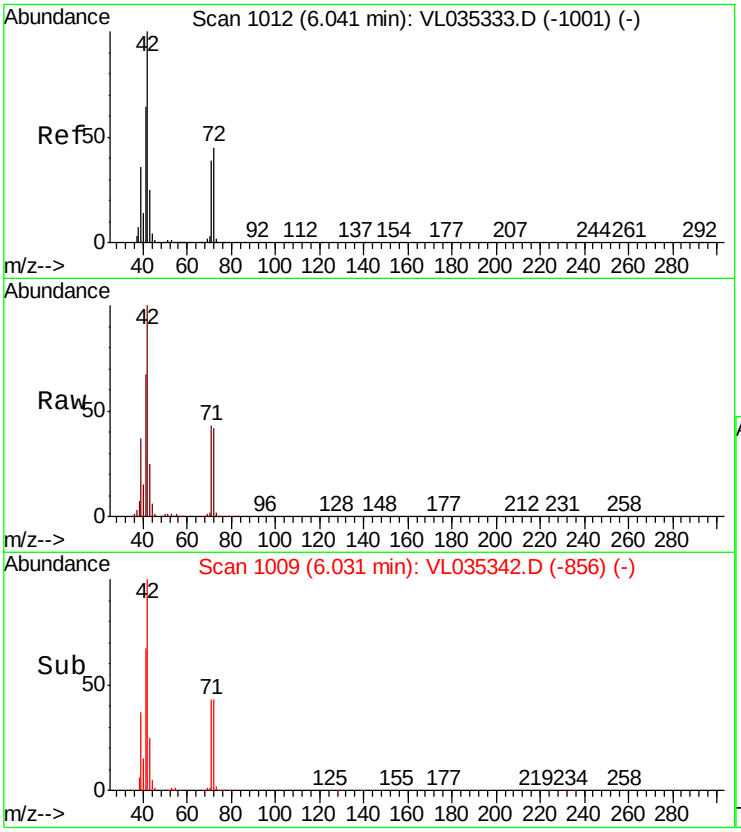




#40
1,4-Dioxane
Concen: 9.788 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 88 Resp: 415768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 127.5 | 96.7 | 145.1 |
| 43 | 0.0 | 190.7 | 286.1# |
| 57 | 0.0 | 834.1 | 1251.1# |



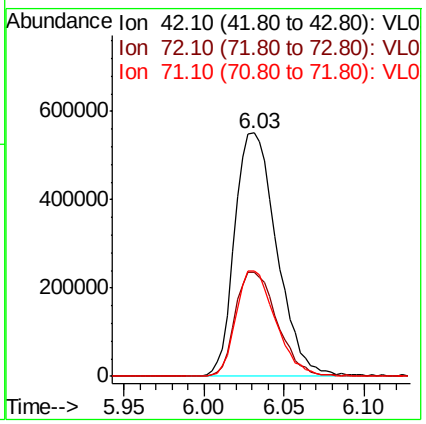


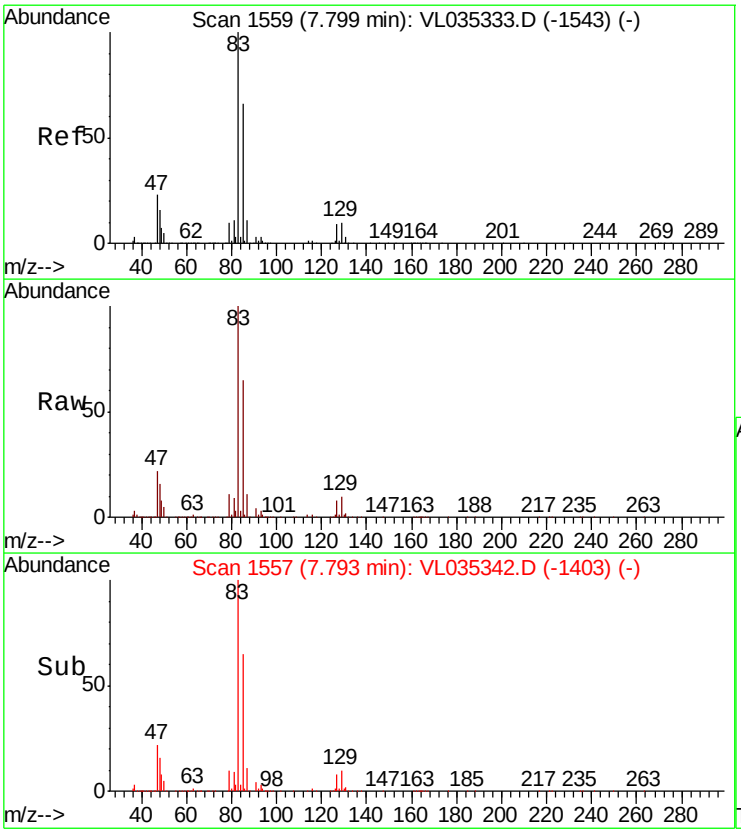

#41
Tetrahydrofuran
Concen: 11.256 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 42 Resp: 986810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 33.6 | 50.4 |
| 71 | 41.0 | 33.1 | 49.7 |

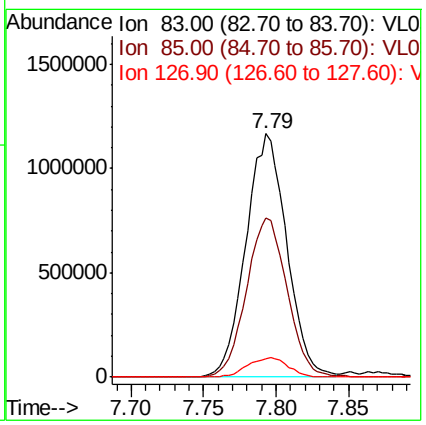


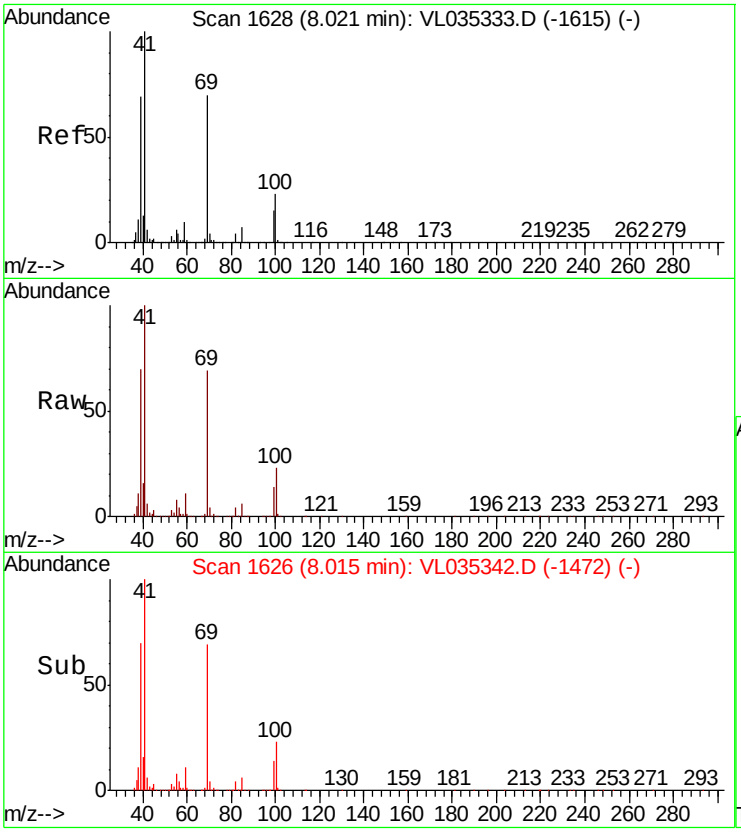




#42
Bromodichloromethane
Concen: 9.958 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 83 Resp: 2288900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 53.1 | 79.7 |
| 127 | 7.8 | 6.8 | 10.2 |



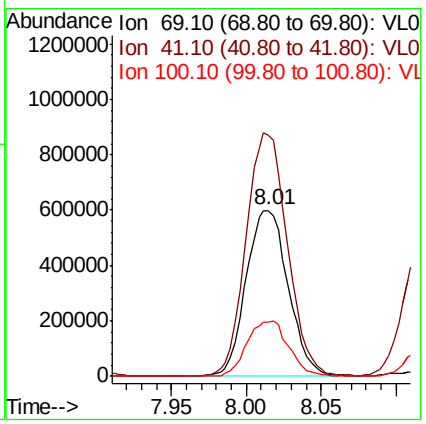


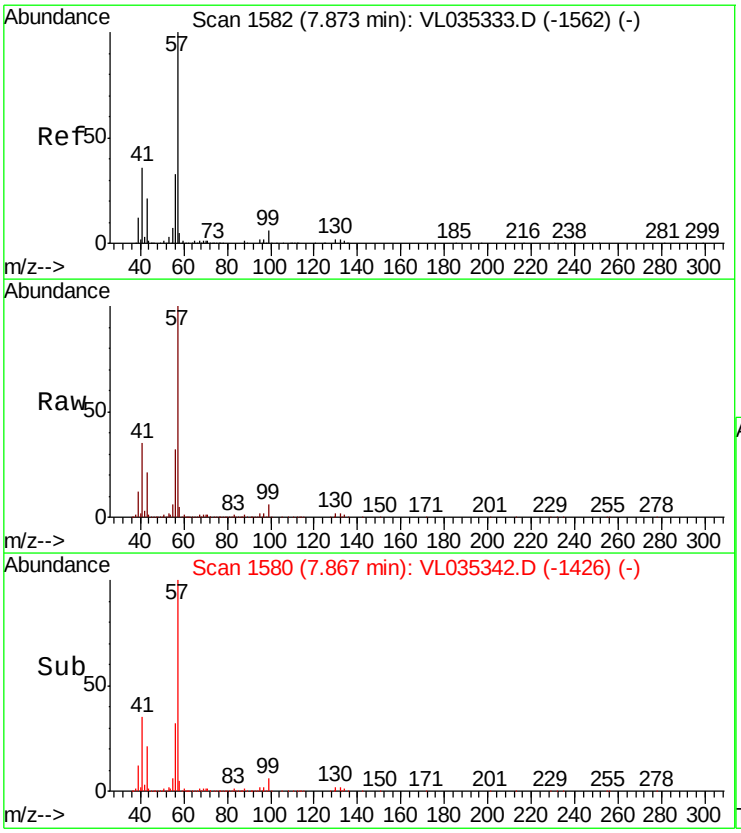

#43
Methyl Methacrylate
Concen: 11.370 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 69 Resp: 1171986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 144.1 | 115.8 | 173.6 |
| 100 | 33.3 | 26.7 | 40.1 |

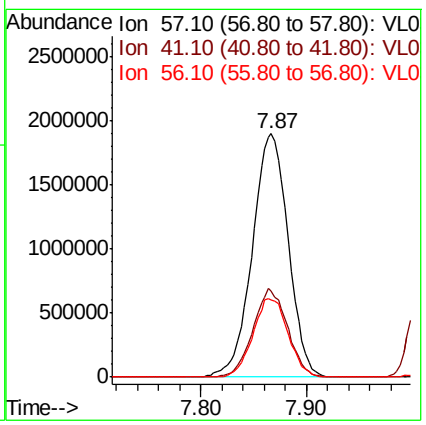


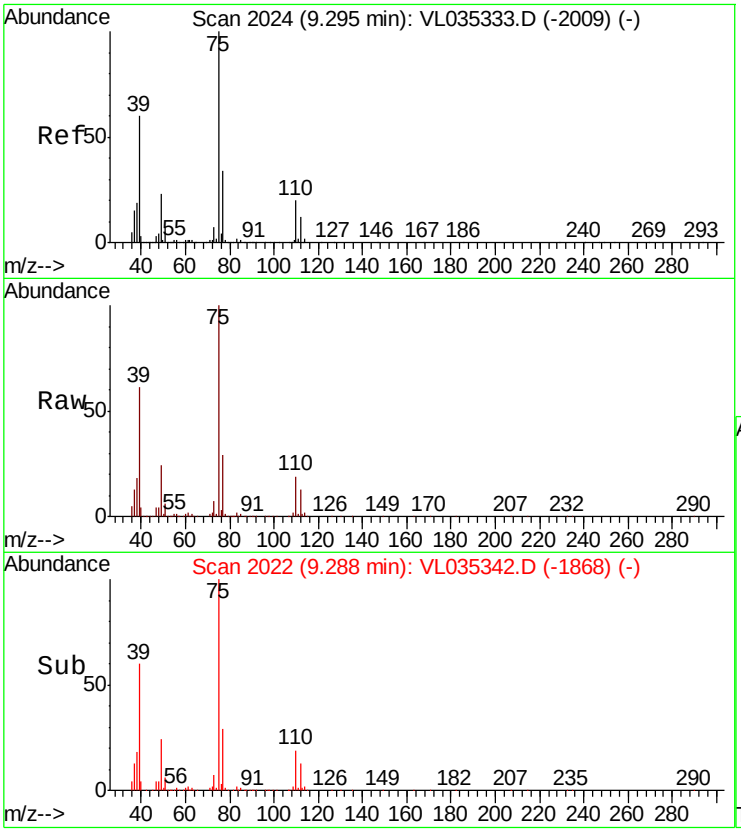




#44
2,2,4-Trimethylpentane
Concen: 10.327 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 57 Resp: 4495215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 35.0 | 27.9 | 41.9 |
| 56 | 31.8 | 25.4 | 38.0 |



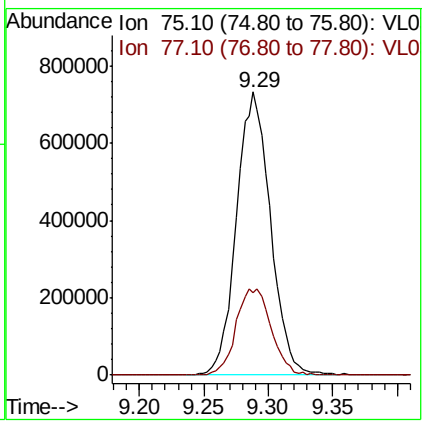


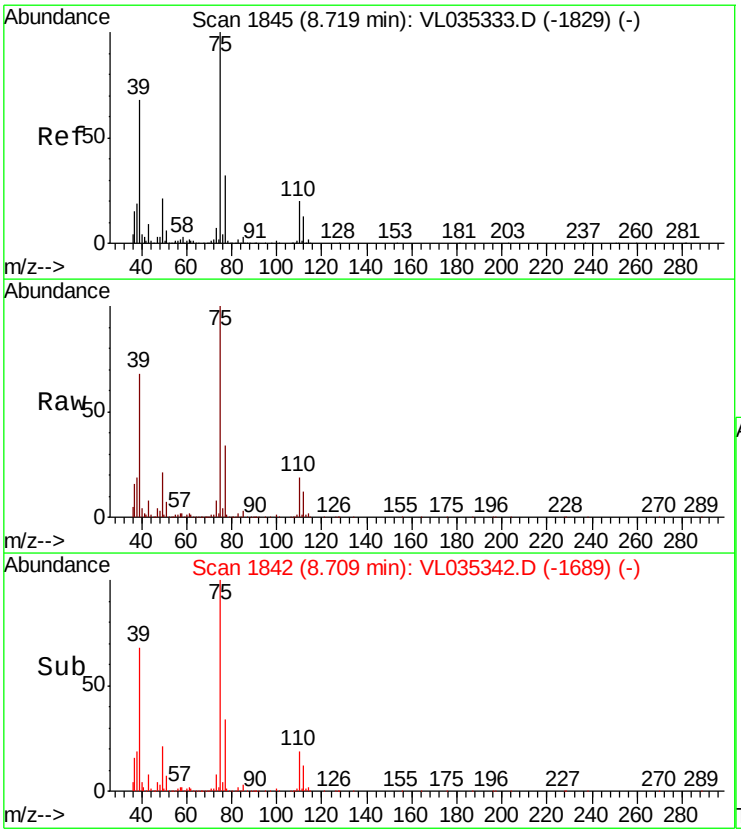

#45
t-1,3-Dichloropropene
Concen: 12.545 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 75 Resp: 1341415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 28.9 | 27.0 | 40.6 |

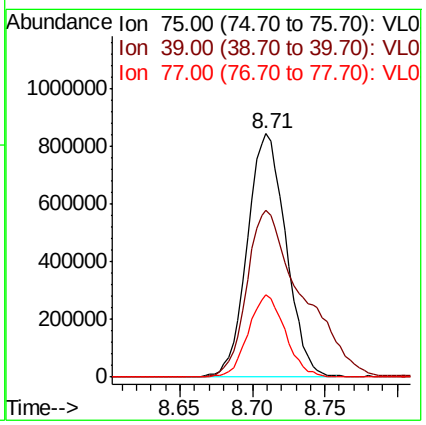


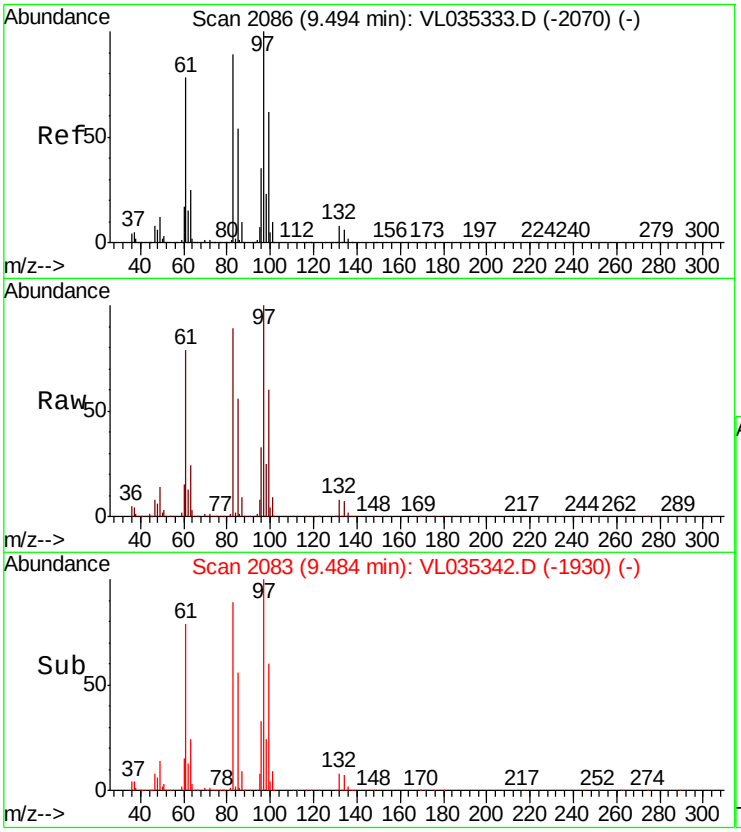




#46
cis-1,3-Dichloropropene
Concen: 12.112 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 75 Resp: 1564116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 68.5 | 54.2 | 81.2 |
| 77 | 33.8 | 25.4 | 38.2 |



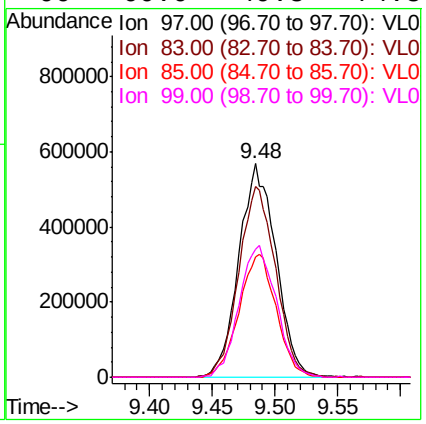


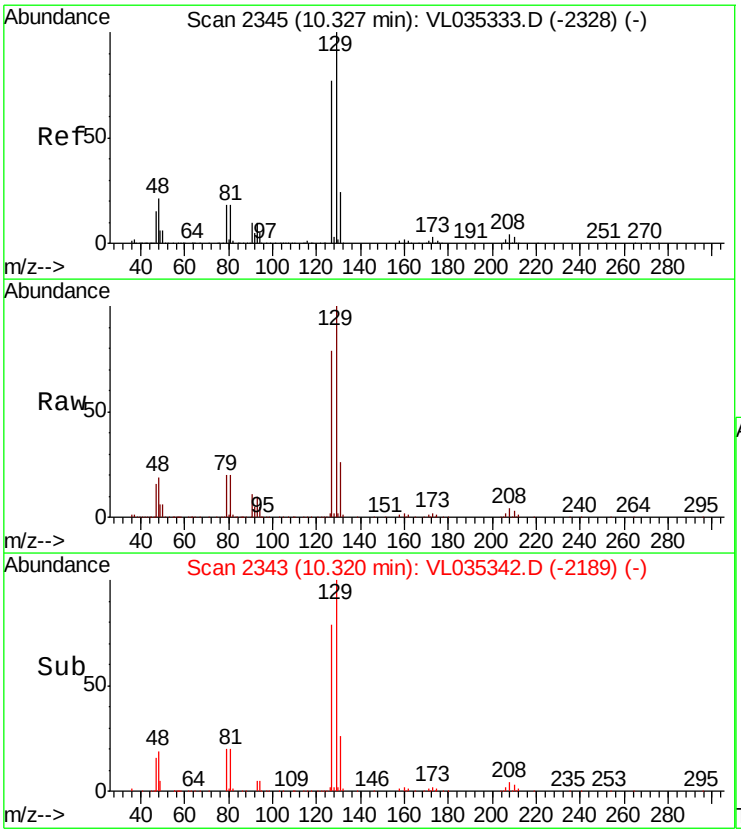

#47
1,1,2-Trichloroethane
Concen: 9.794 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 97 Resp: 1168034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.1 | 71.3 | 106.9 |
| 85 | 56.2 | 43.3 | 64.9 |
| 99 | 60.0 | 49.8 | 74.8 |

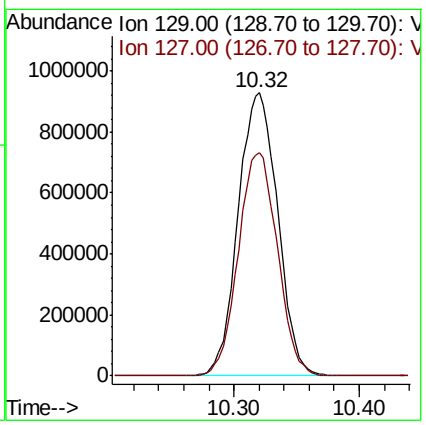


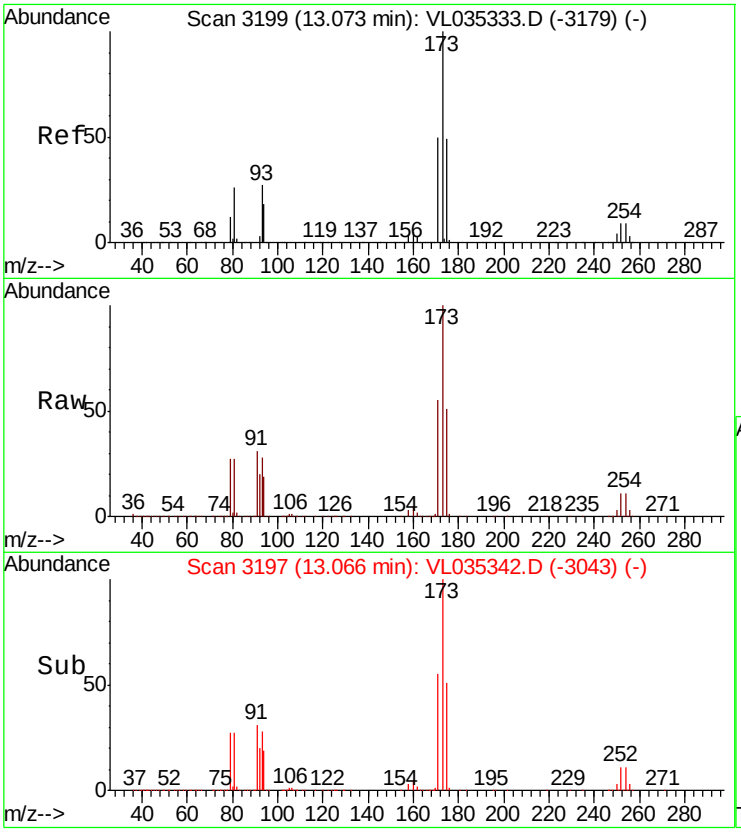




#48
Dibromochloromethane
Concen: 10.397 ppbv
RT: 10.32 min Scan# 2343
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:129 Resp: 2031064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.4 | 39.1 | 117.2 |



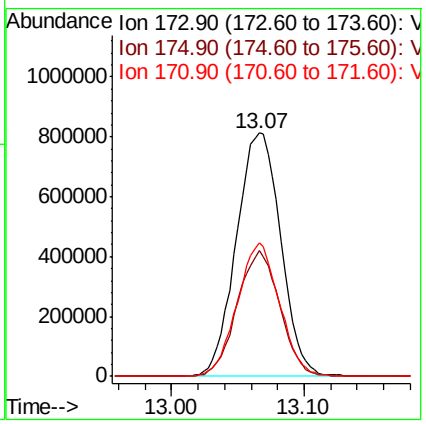


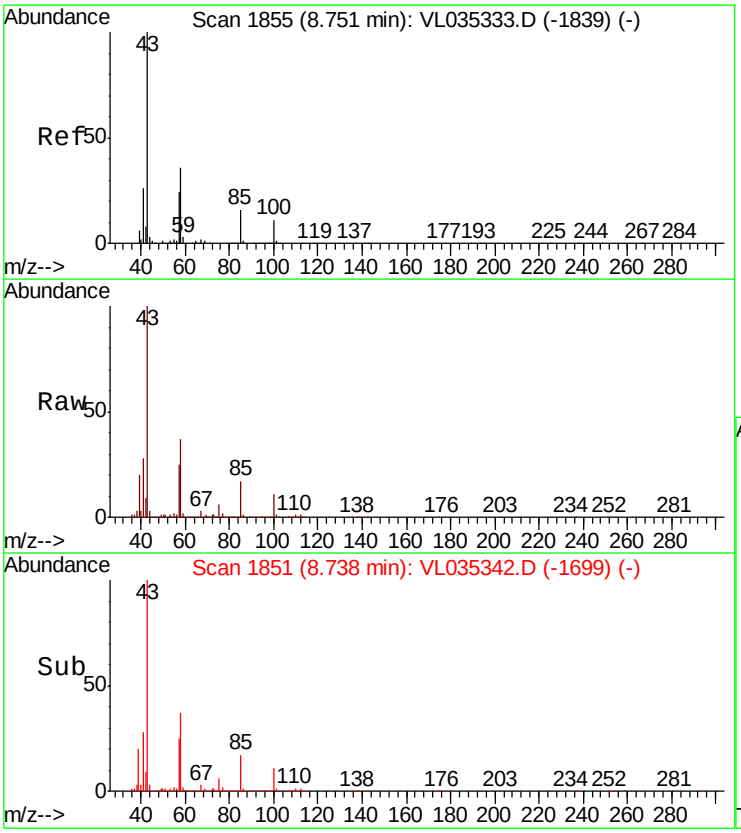

#49
Bromoform
Concen: 10.651 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:173 Resp: 1896006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.6 | 39.3 | 58.9 |
| 171 | 52.1 | 41.2 | 61.8 |

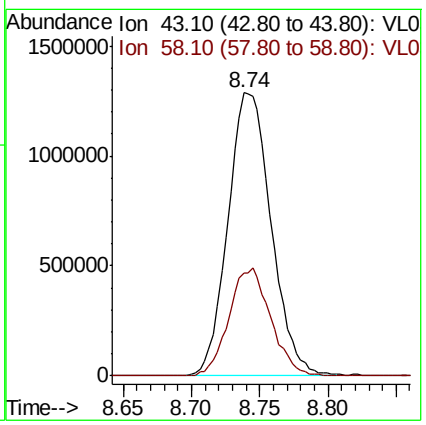


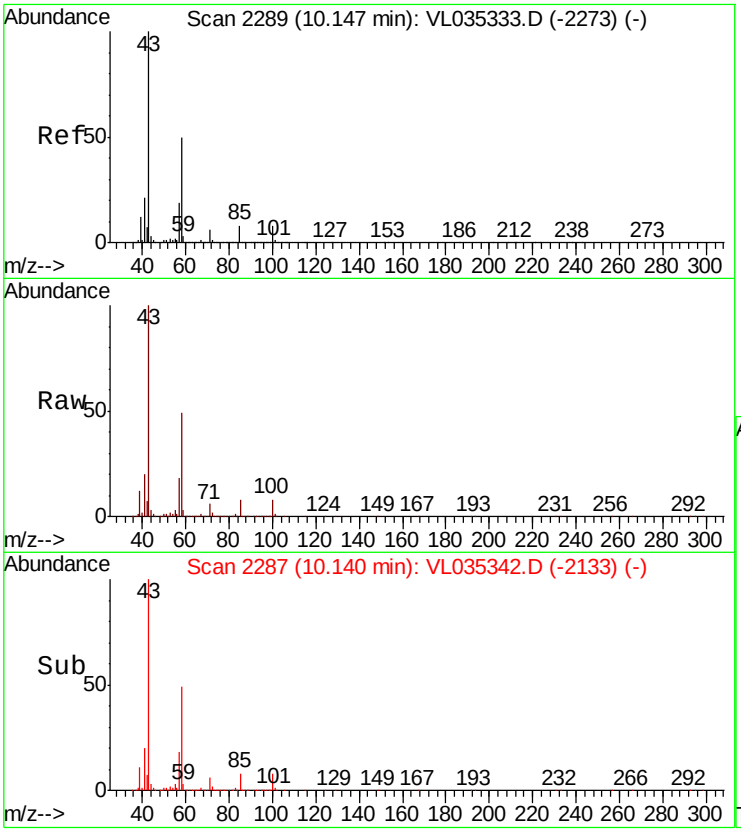




#50
4-Methyl-2-Pentanone
Concen: 10.339 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 43 Resp: 2820091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.2 | 29.2 | 43.8 |



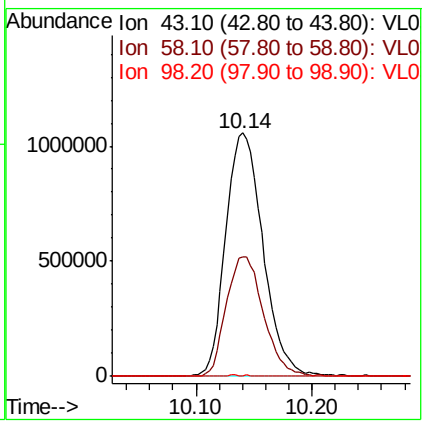


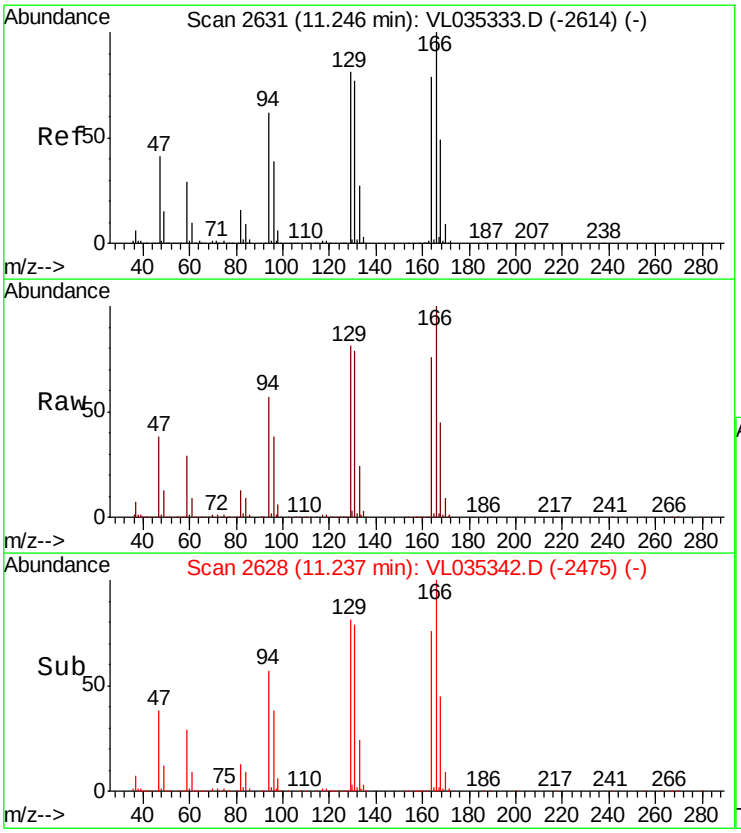

#51
2-Hexanone
Concen: 10.980 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 43 Resp: 2347934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.3 | 39.4 | 59.2 |
| 98 | 0.6 | 0.2 | 0.4# |

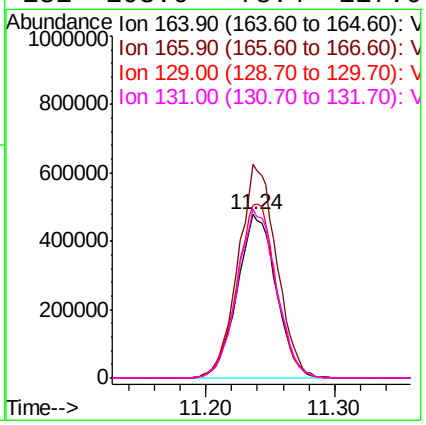


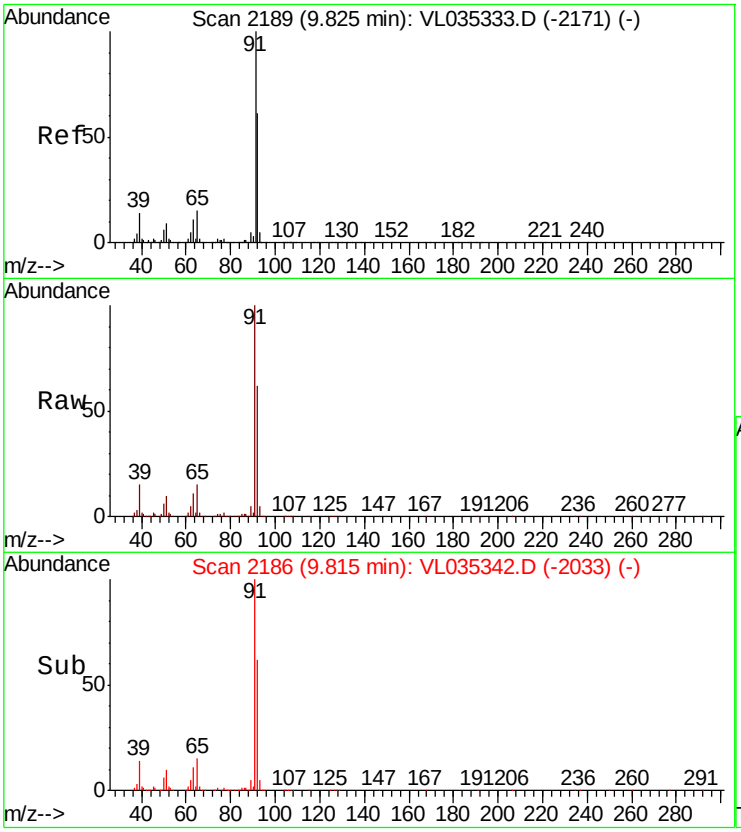




#52
Tetrachloroethene
Concen: 10.309 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:164 Resp: 1001418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.7 | 101.4 | 152.0 |
| 129 | 105.8 | 82.1 | 123.1 |
| 131 | 103.6 | 78.4 | 117.6 |



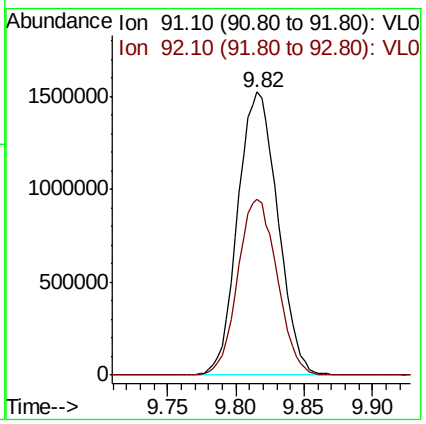


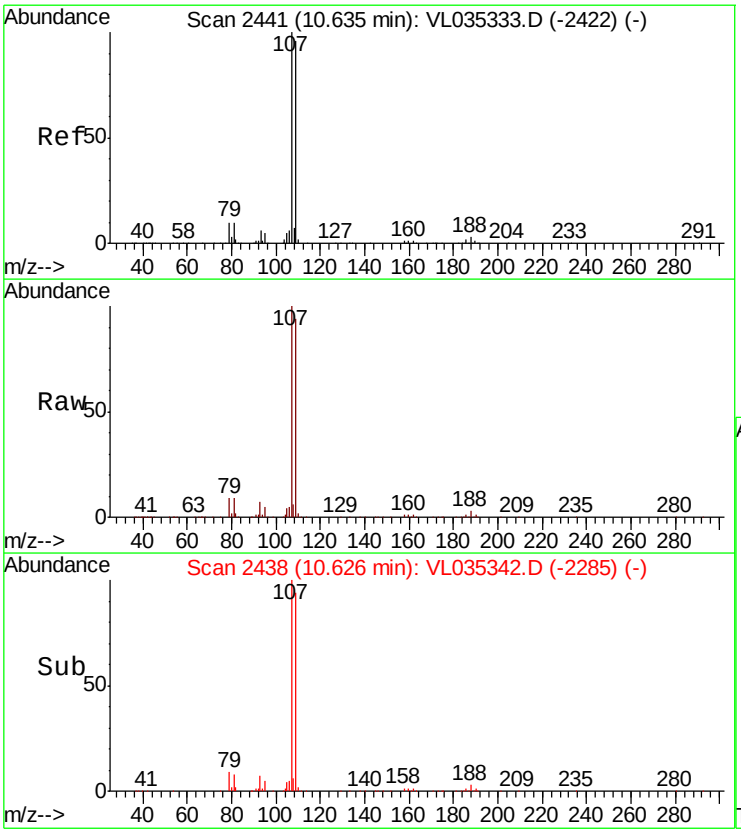

#53
Toluene
Concen: 11.662 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 91 Resp: 3108151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 61.0 | 48.5 | 72.7 |

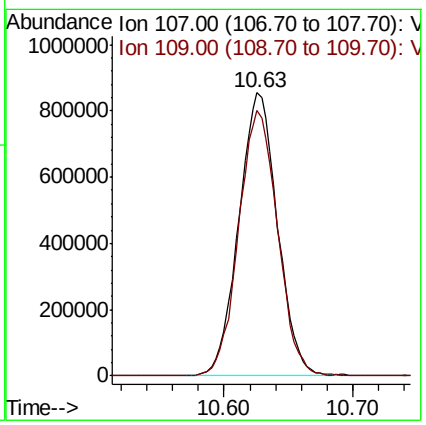


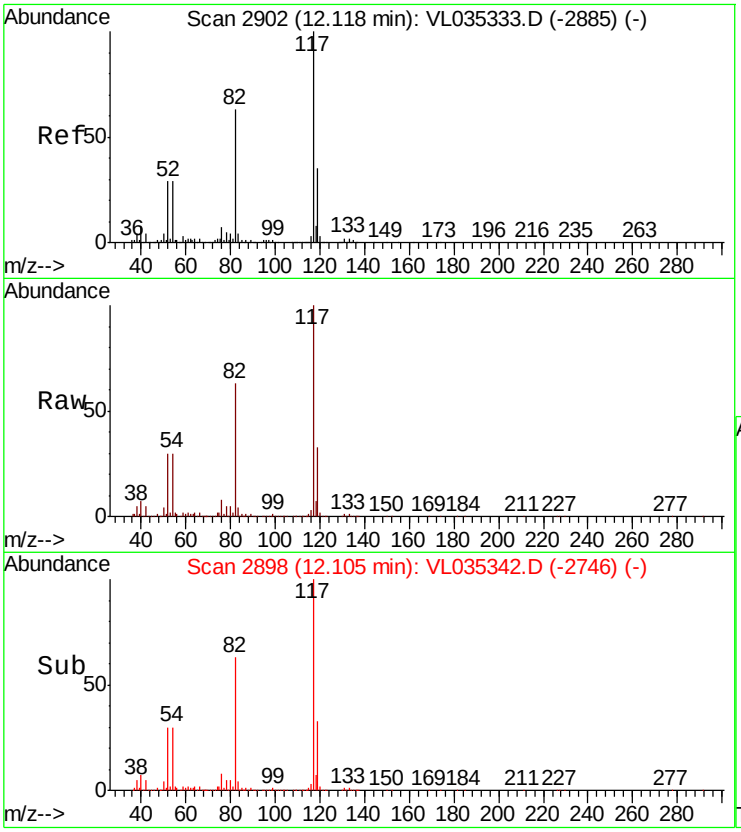




#54
1,2-Dibromoethane
Concen: 10.417 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:107 Resp: 1782251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 76.8 | 115.2 |



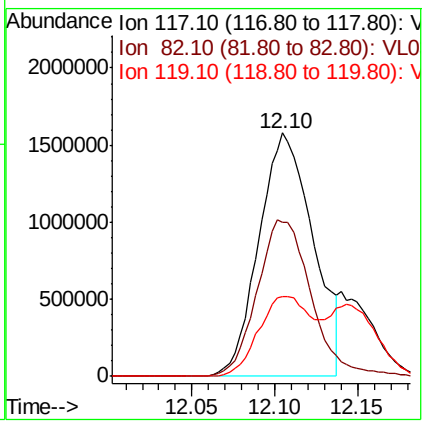


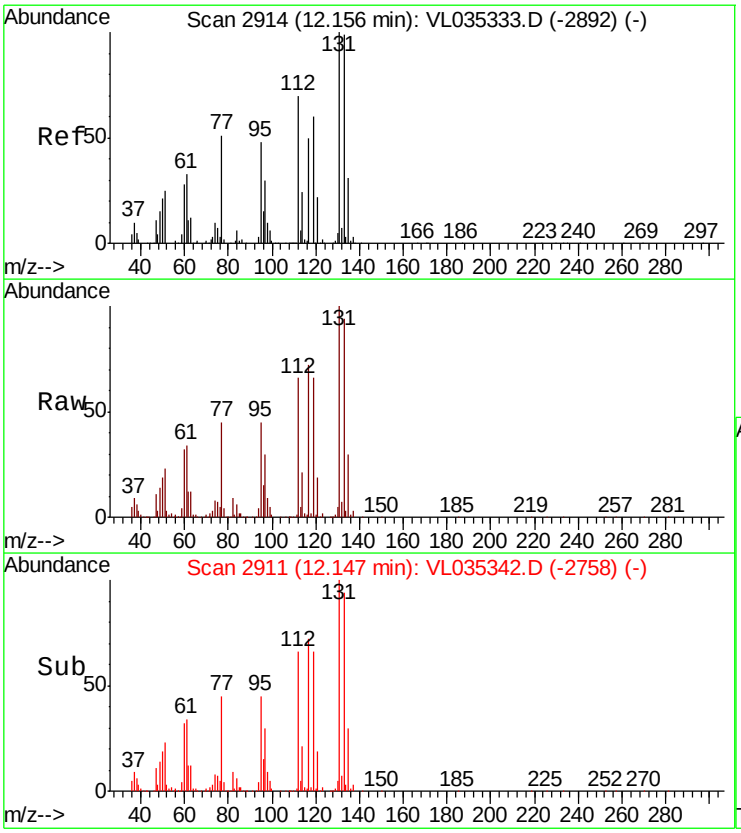

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:117 Resp: 3594462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 64.3 | 51.0 | 76.4 |
| 119 | 30.4 | 24.7 | 37.1 |

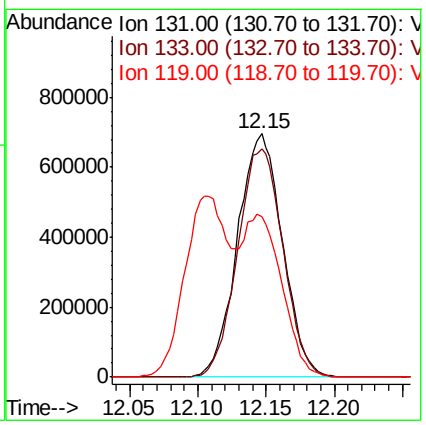


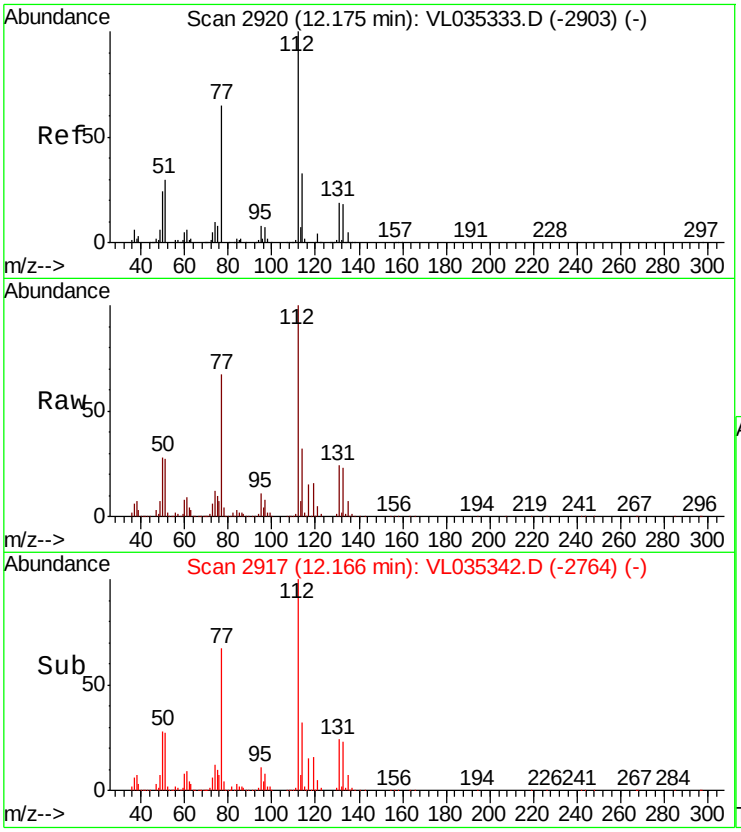




#56
1,1,1,2-Tetrachloroethane
Concen: 9.380 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:131 Resp: 1591521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.9 | 75.4 | 113.2 |
| 119 | 60.0 | 43.7 | 65.5 |



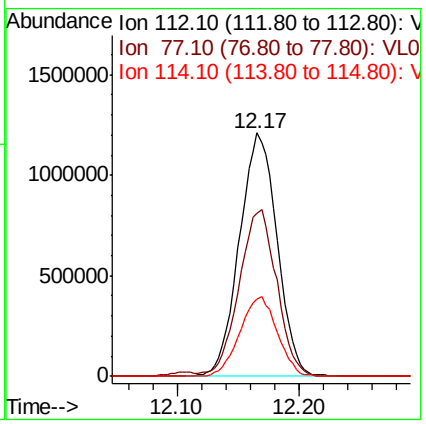


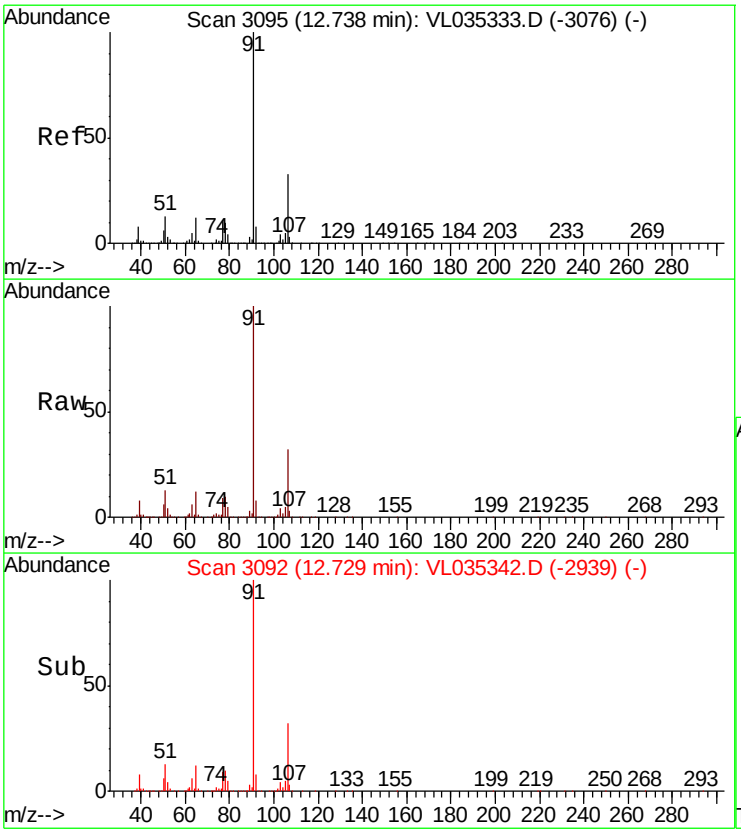

#57
Chlorobenzene
Concen: 9.507 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:112 Resp: 2573183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 66.9 | 53.3 | 79.9 |
| 114 | 31.7 | 29.8 | 36.4 |

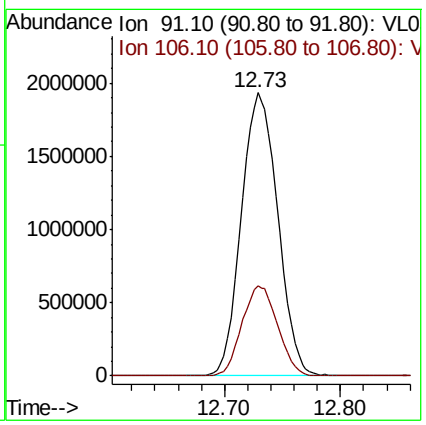


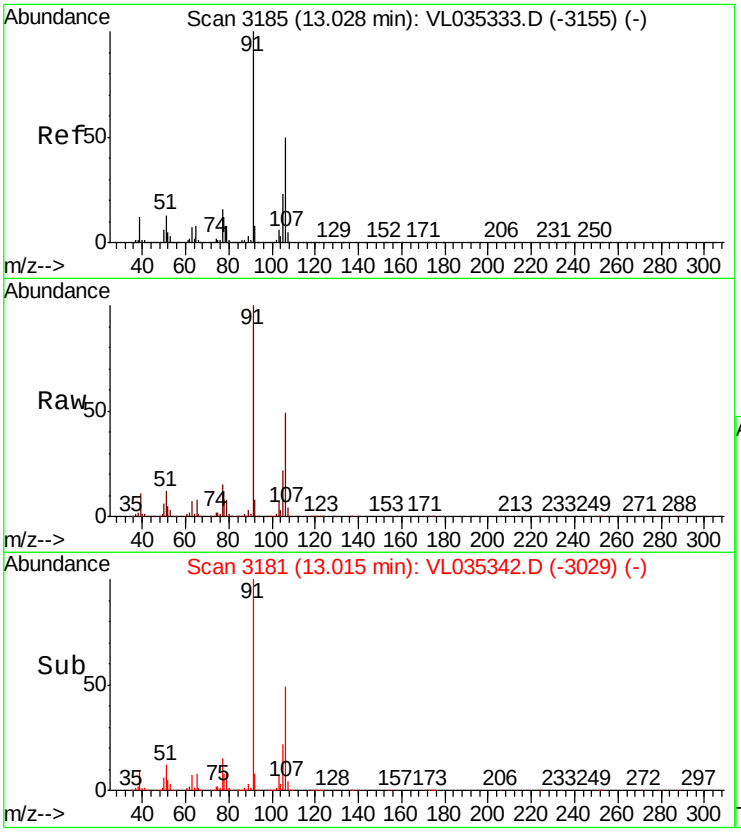




#58
Ethyl Benzene
Concen: 11.275 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 91 Resp: 4217093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 26.8 | 40.2 |



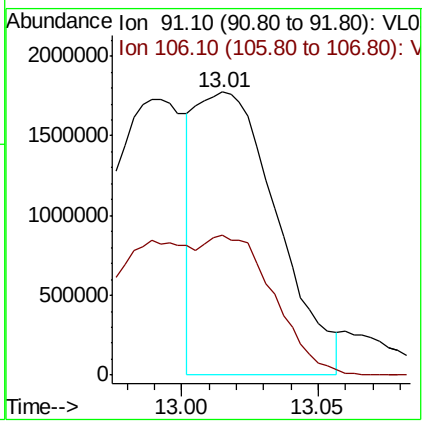


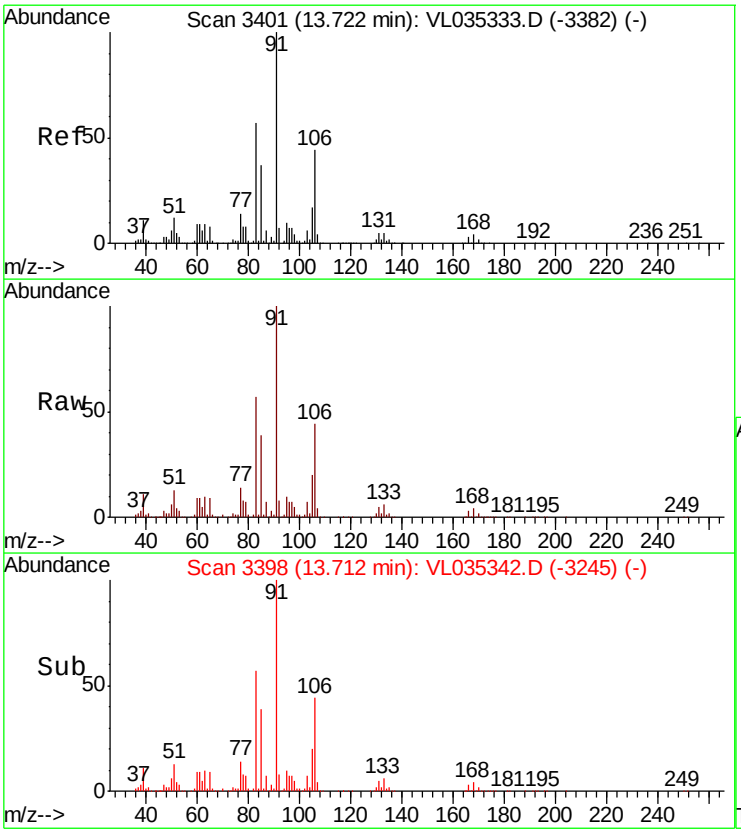

#59
m/p-Xylene
Concen: 10.509 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 91 Resp: 3660027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 92.1 | 37.8 | 56.8# |

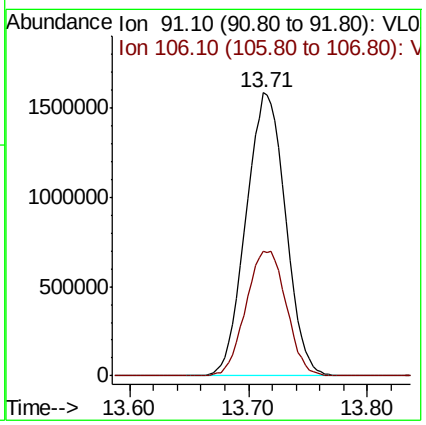


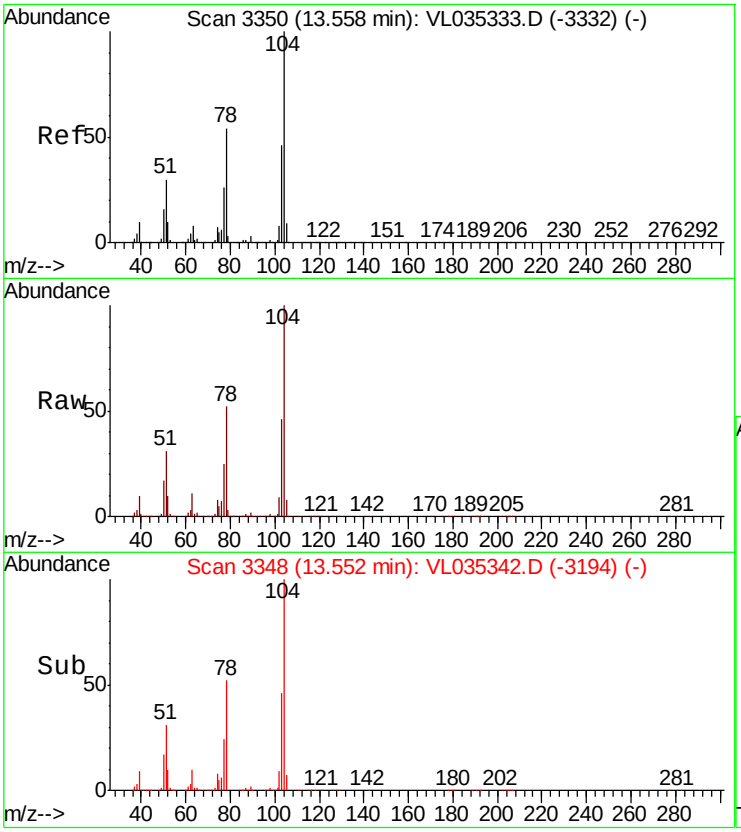




#60
o-Xylene
Concen: 10.539 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 91 Resp: 3642526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 44.9 | 22.7 | 68.0 |



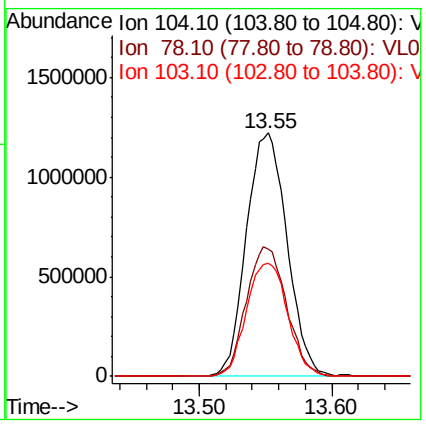


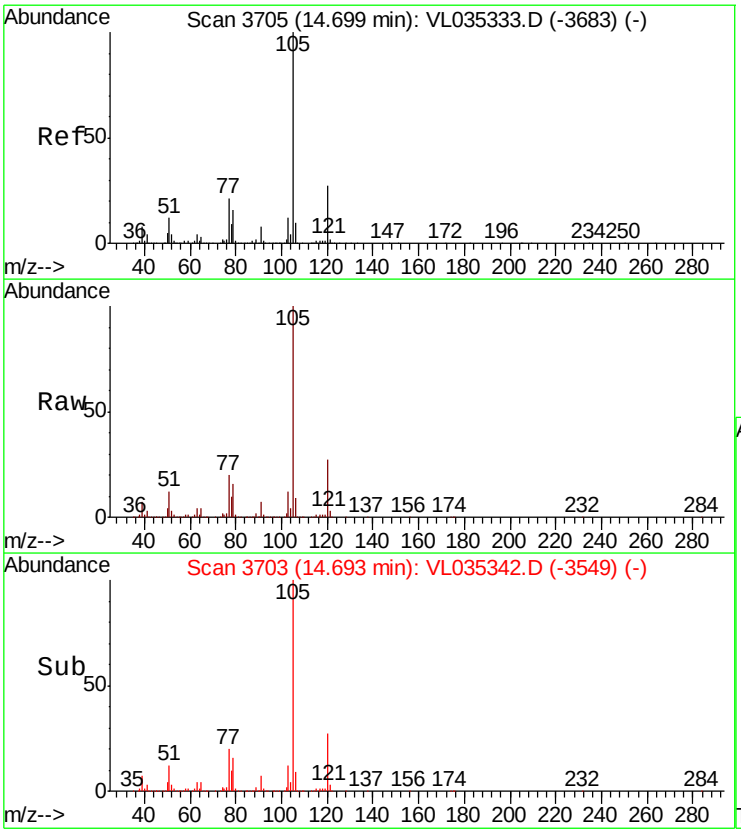

#61
Stvrene
Concen: 12.374 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:104 Resp: 2611885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.7 | 42.6 | 63.8 |
| 103 | 47.4 | 38.1 | 57.1 |

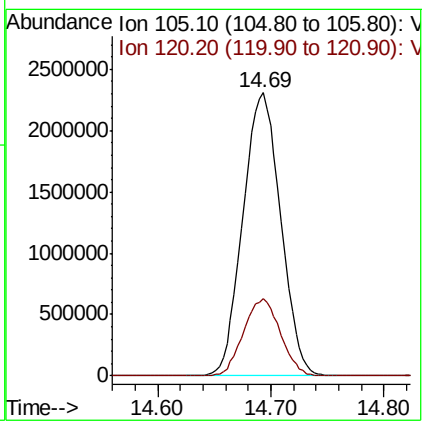


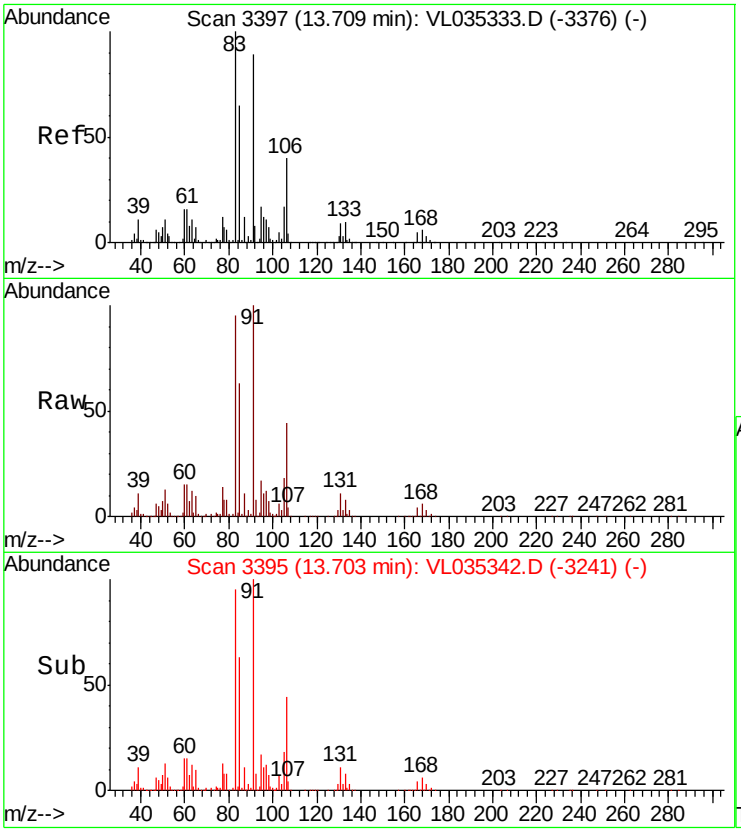




#62
Isopropylbenzene
Concen: 10.303 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:105 Resp: 5361517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 21.1 | 31.7 |



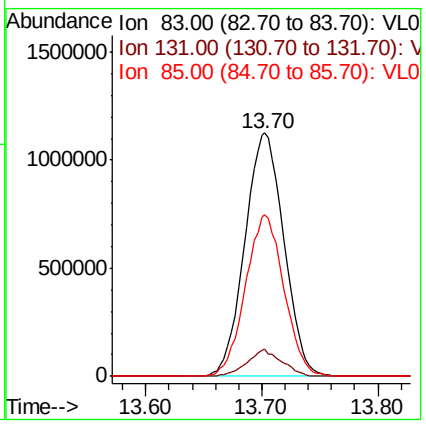


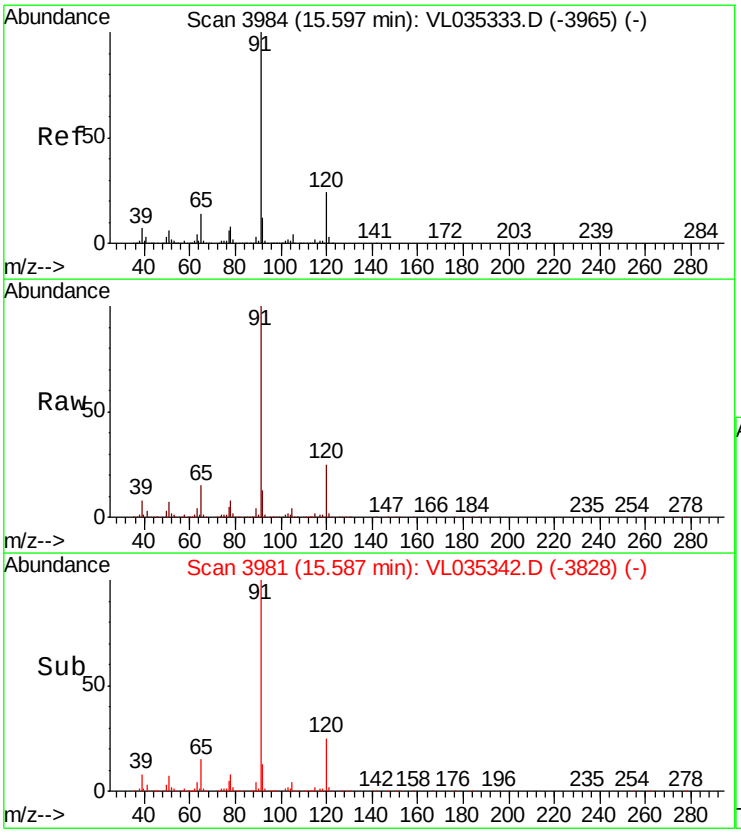

#63
1,1,2,2-Tetrachloroethane
Concen: 8.965 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 83 Resp: 2643241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.0 | 14.9 |
| 85 | 65.2 | 32.6 | 98.0 |

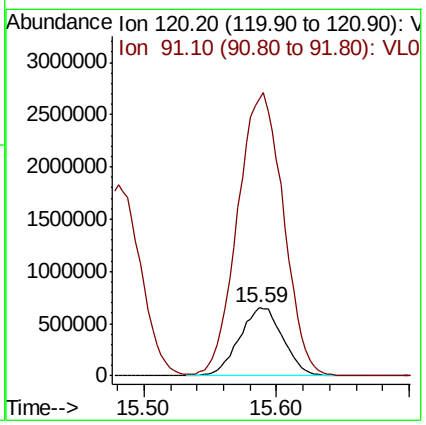


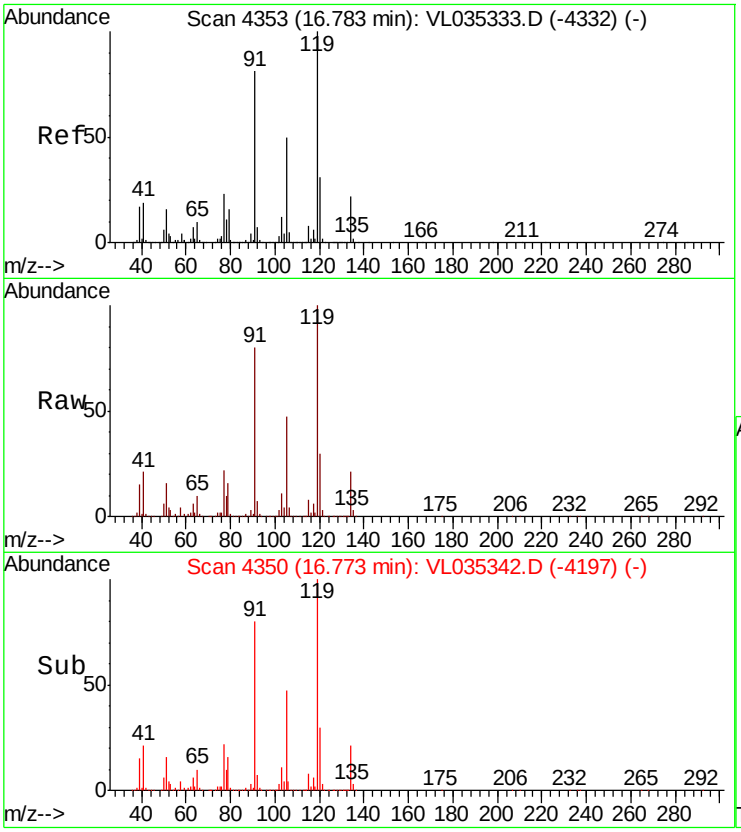




#64
n-propylbenzene
Concen: 10.638 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:120 Resp: 1487757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 438.0 | 357.2 | 535.8 |



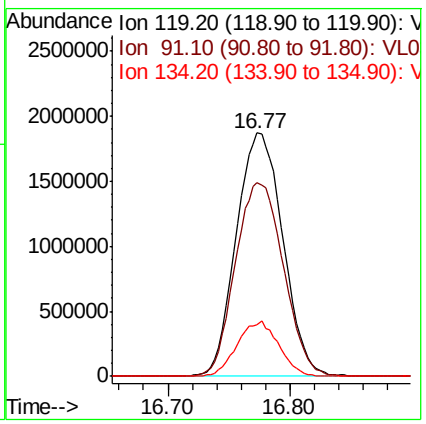


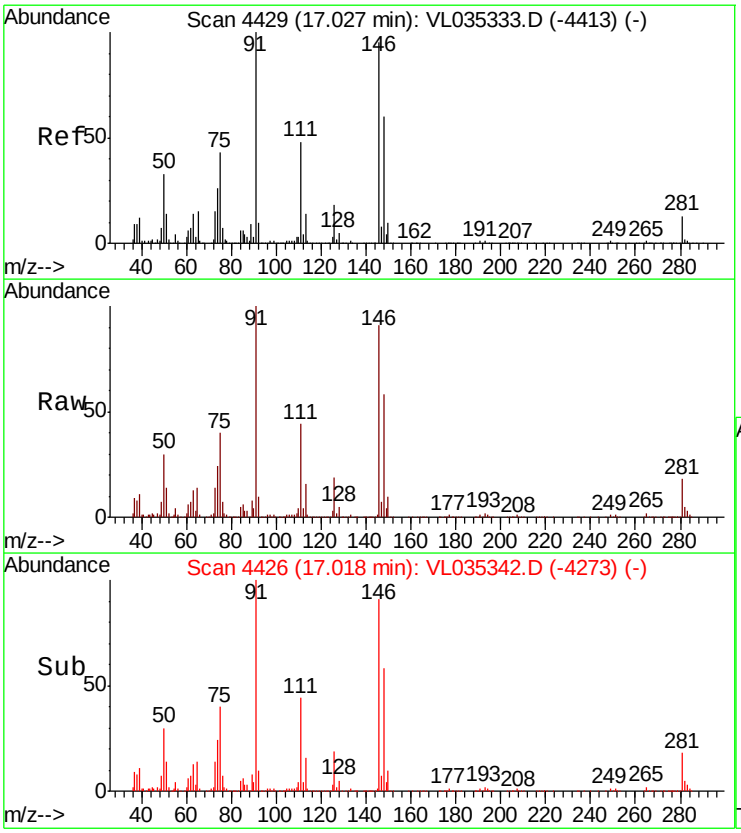

#65
tert-Butylbenzene
Concen: 10.367 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:119 Resp: 4939919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 82.4 | 66.3 | 99.5 |
| 134 | 20.3 | 16.2 | 24.2 |

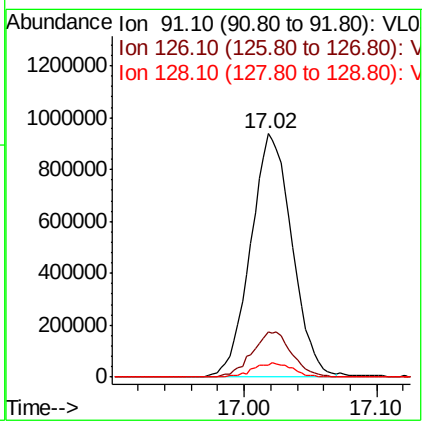


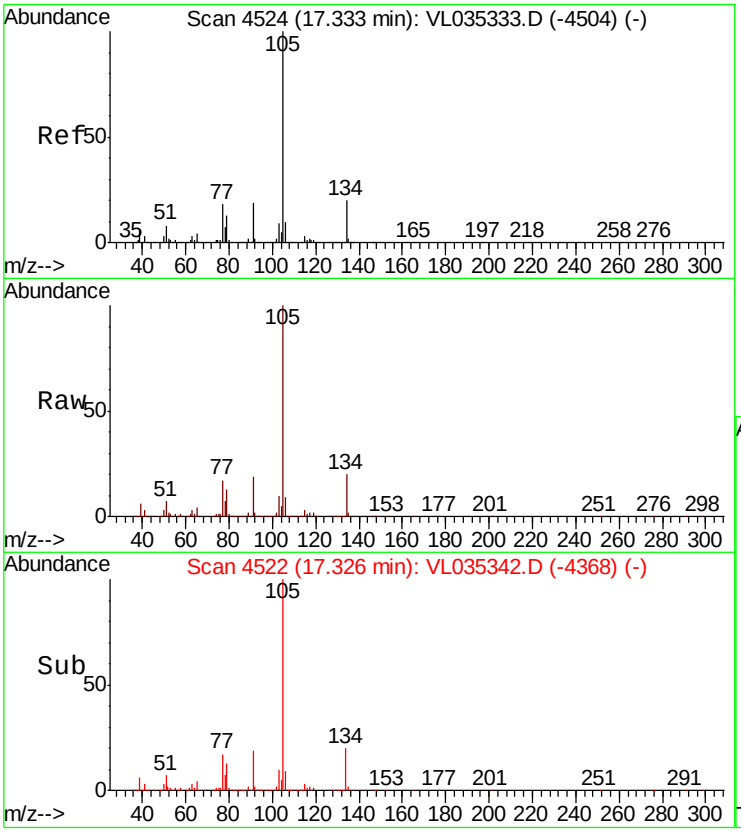




#66
Benzyl Chloride
Concen: 10.793 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 91 Resp: 2035555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 18.0 | 14.1 | 21.1 |
| 128 | 5.7 | 4.5 | 6.7 |



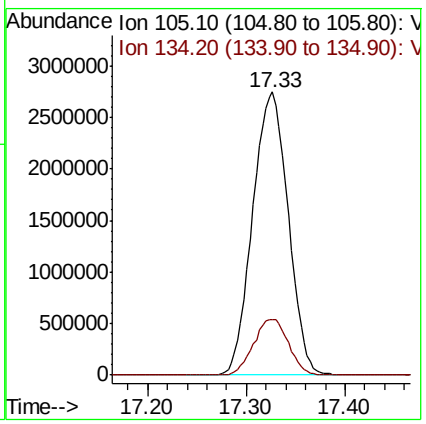


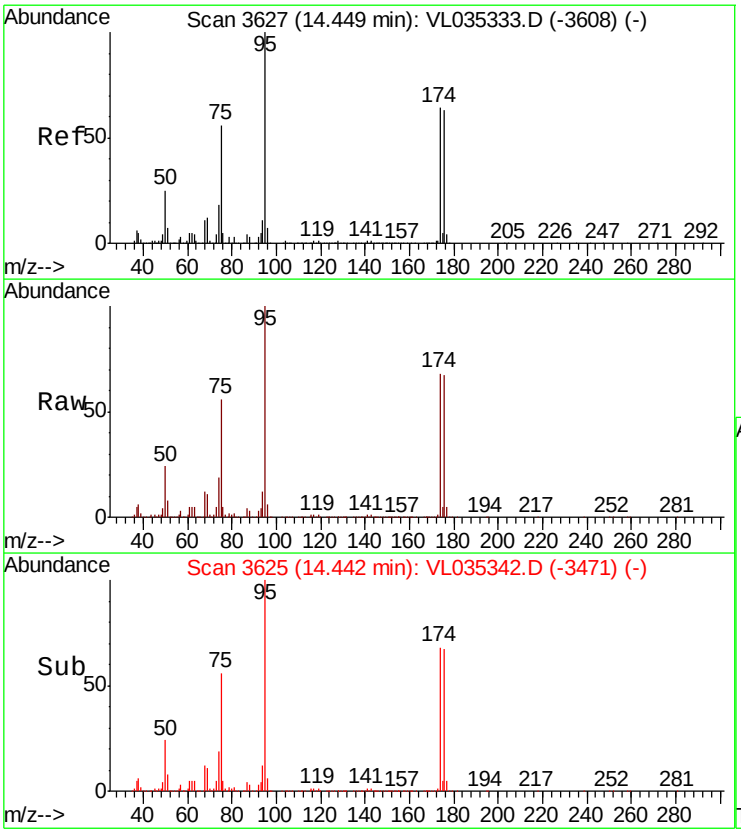

#67
sec-Butylbenzene
Concen: 10.122 ppbv
RT: 17.33 min Scan# 4522
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:105 Resp: 6822235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.5 | 15.4 | 23.2 |

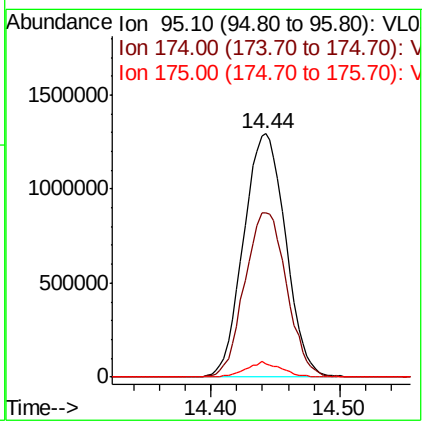


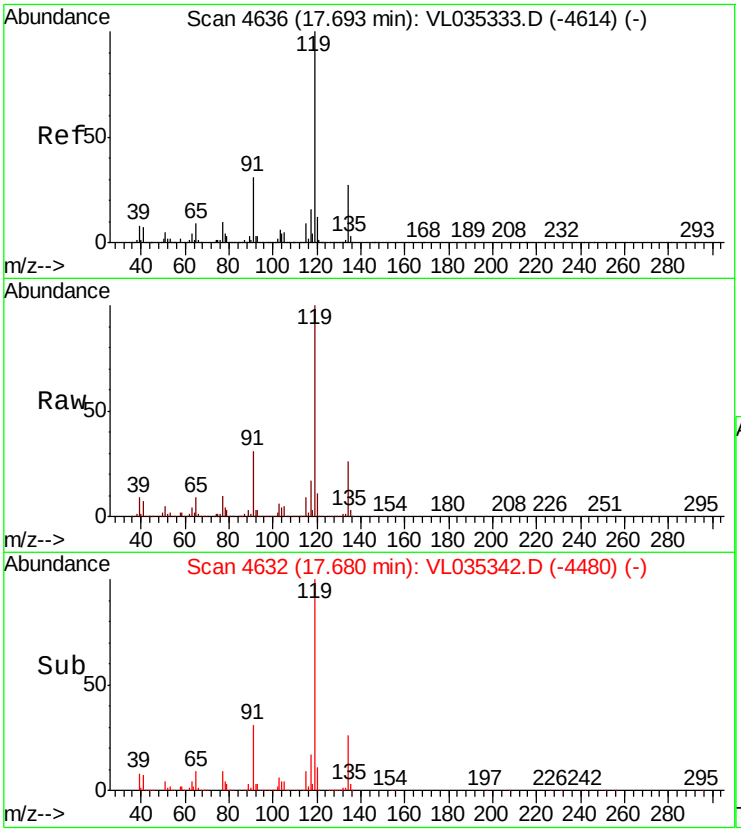




#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 95 Resp: 2941732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.6 | 53.5 | 80.3 |
| 175 | 5.3 | 4.2 | 6.2 |



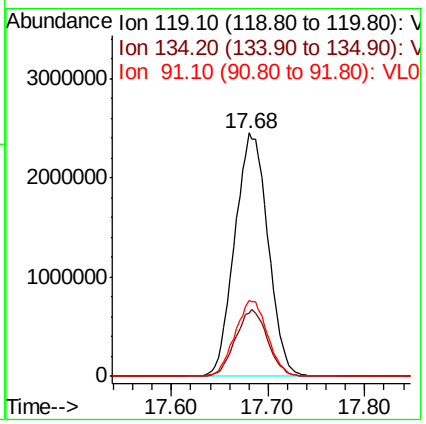


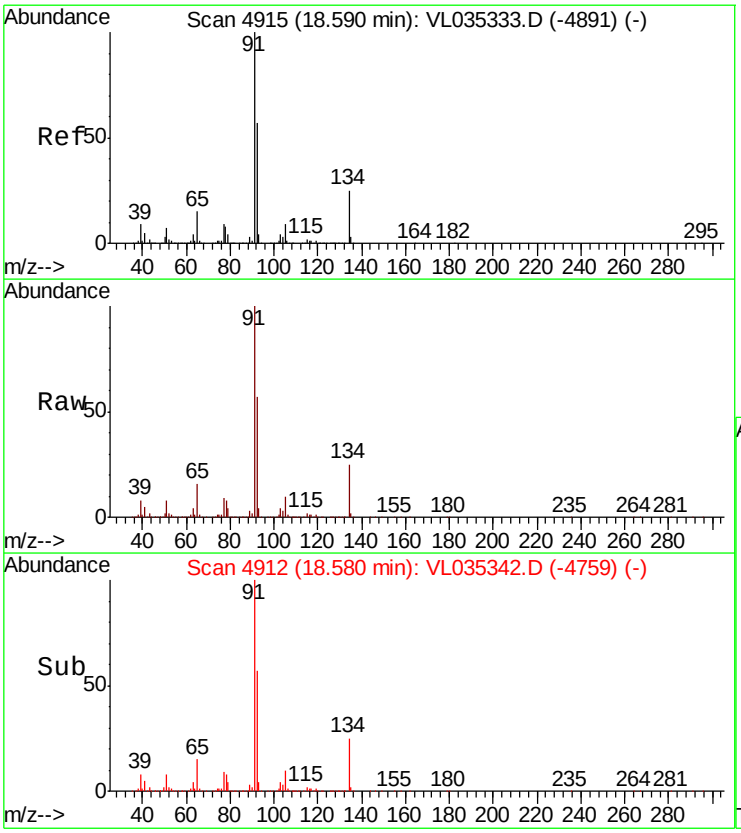

#69
p-Isopropyltoluene
Concen: 10.664 ppbv
RT: 17.68 min Scan# 4632
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:119 Resp: 5859998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.3 | 21.1 | 31.7 |
| 91 | 30.5 | 24.5 | 36.7 |

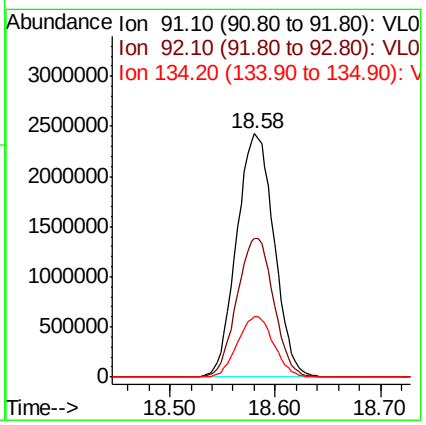


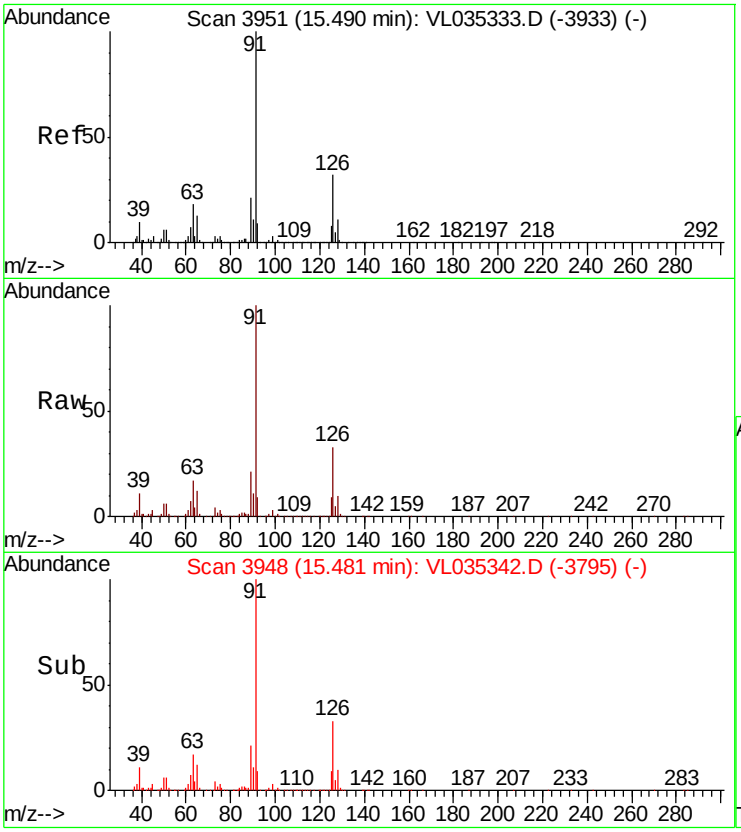




#70
n-Butylbenzene
Concen: 10.192 ppbv
RT: 18.58 min Scan# 4912
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion: 91 Resp: 5990304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.0 | 44.2 | 66.2 |
| 134 | 24.0 | 19.0 | 28.6 |



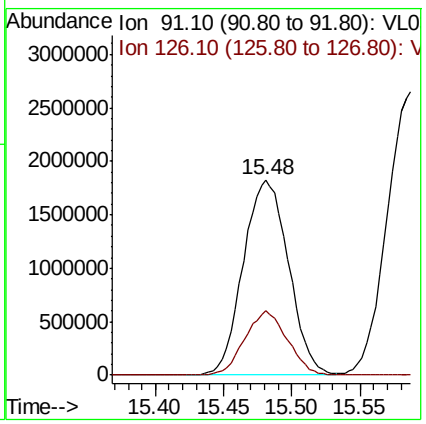


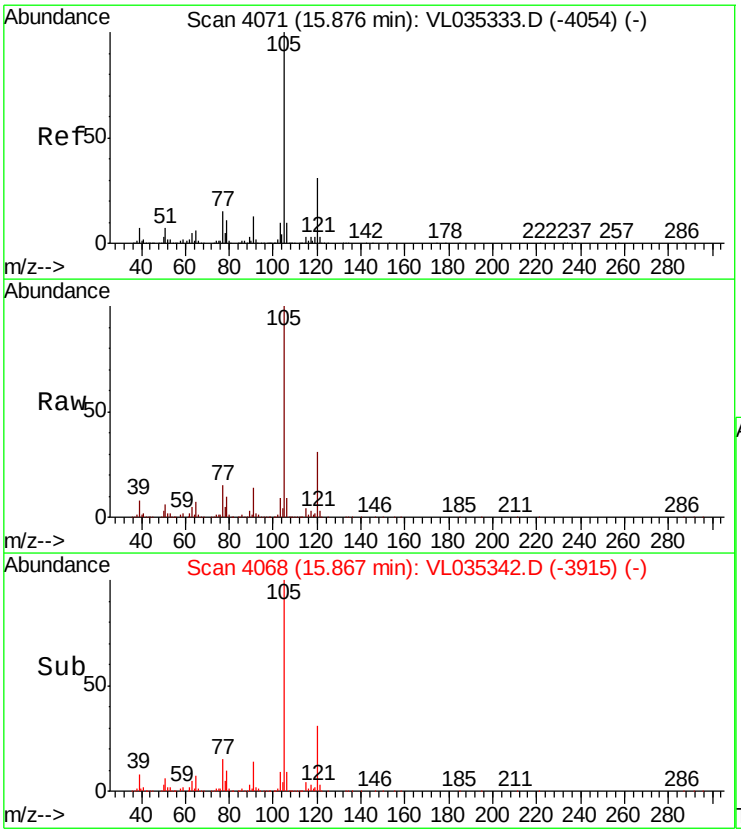

#71
2-Chlorotoluene
Concen: 11.019 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion: 91 Resp: 4200494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.1 | 12.5 | 50.1 |

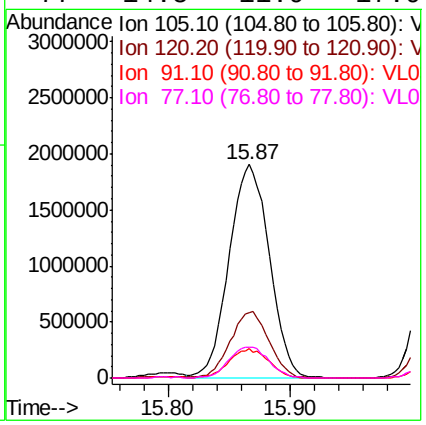


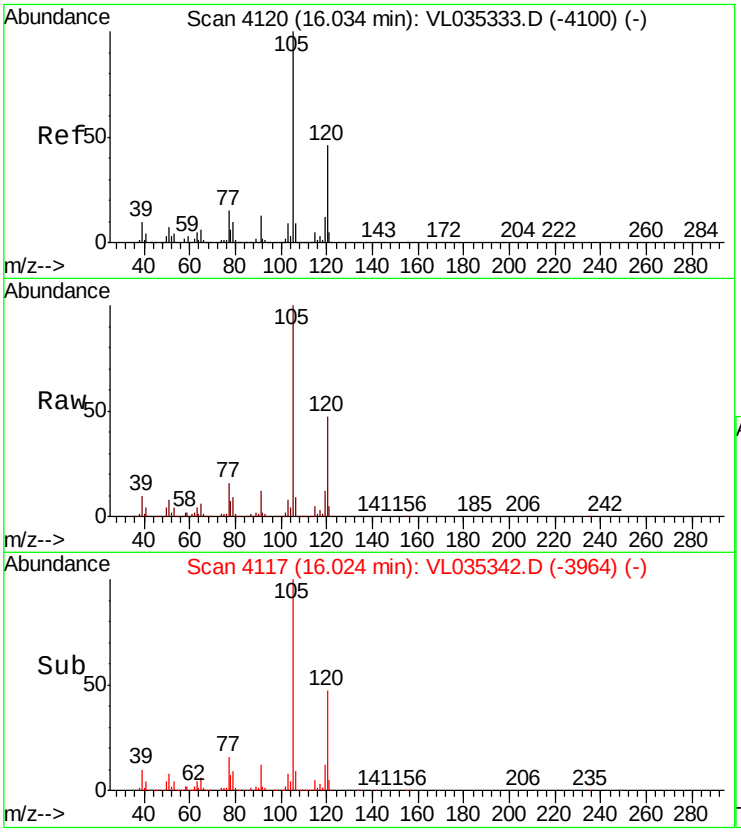




#72
4-Ethyltoluene
Concen: 11.033 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:105 Resp: 4347301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 30.7 | 24.0 | 36.0 |
| 91 | 13.6 | 10.8 | 16.2 |
| 77 | 14.5 | 11.9 | 17.9 |



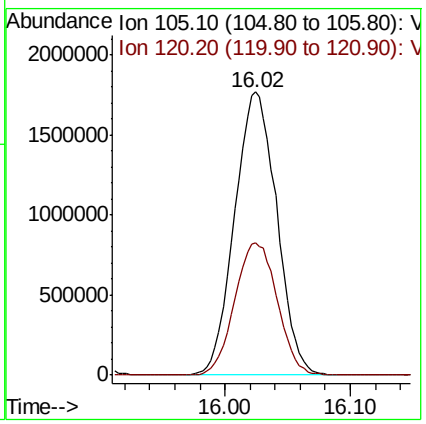


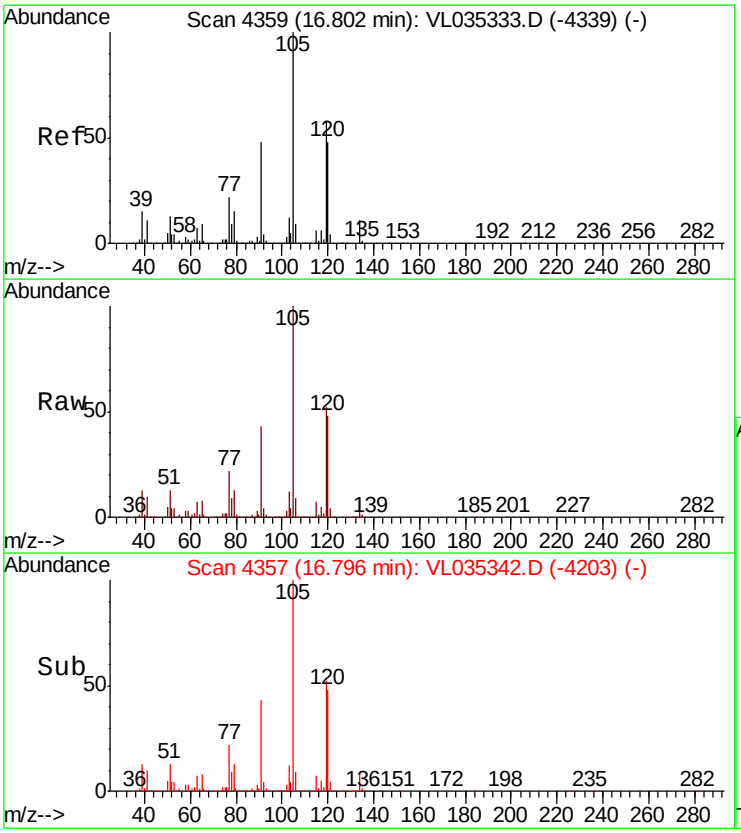

#73
1,3,5-Trimethylbenzene
Concen: 10.889 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:105 Resp: 4117242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 36.9 | 55.3 |

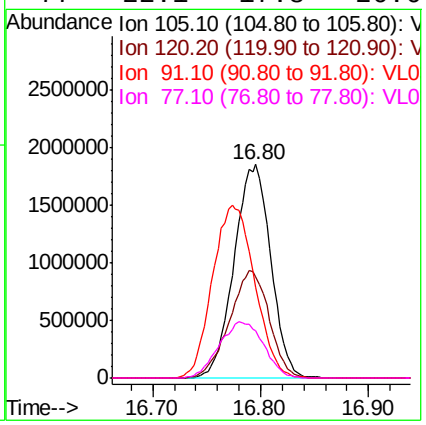


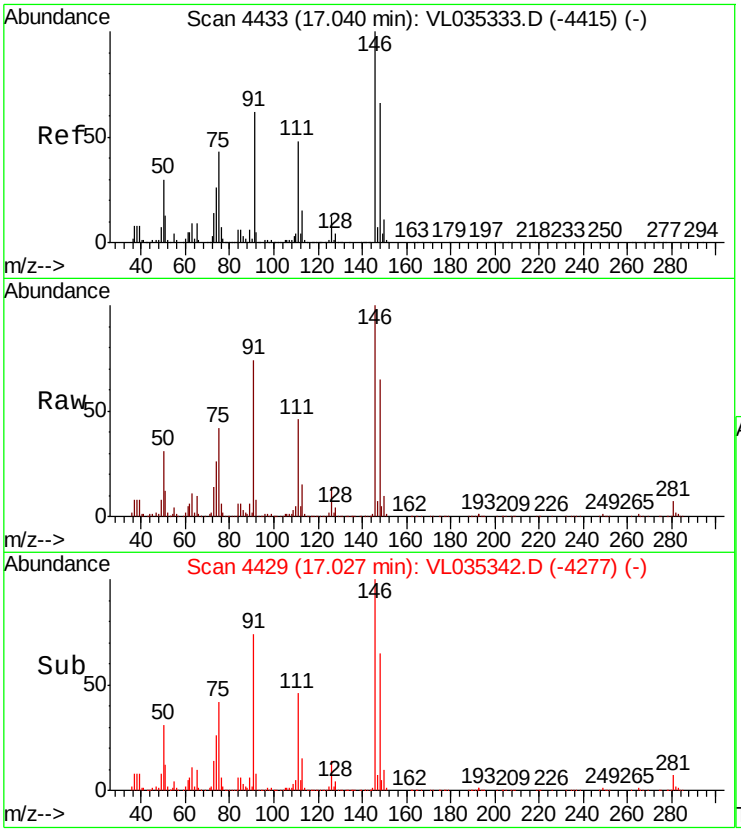




#74
1,2,4-Trimethylbenzene
Concen: 10.096 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:105 Resp: 4363068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 38.5 | 57.7 |
| 91 | 42.8 | 39.0 | 58.6 |
| 77 | 22.1 | 17.8 | 26.6 |



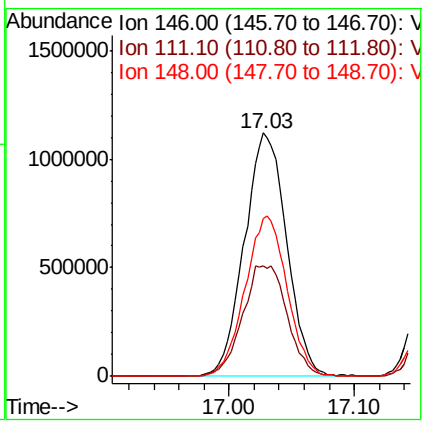


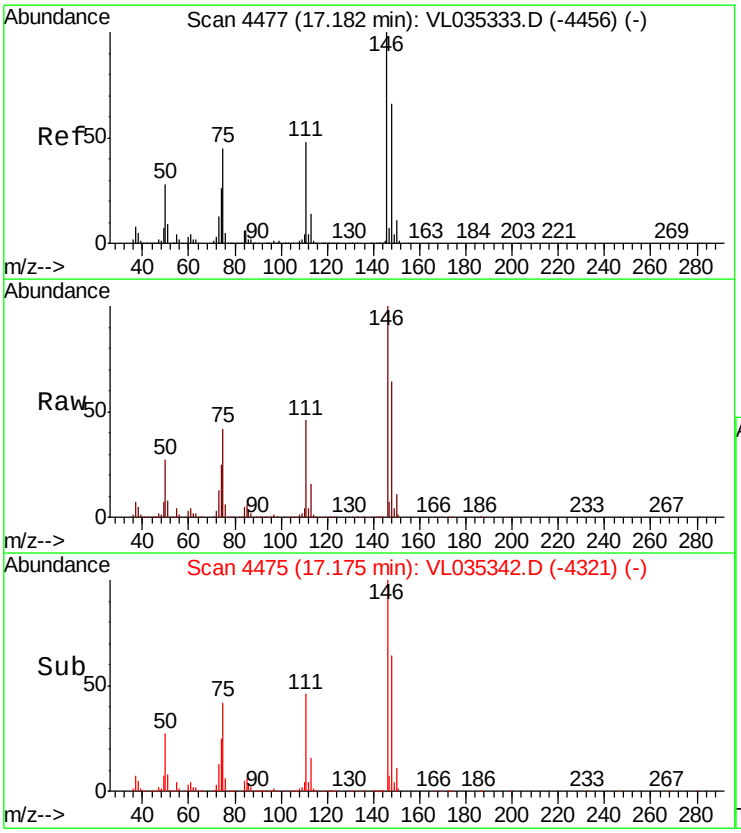

#75
1,3-Dichlorobenzene
Concen: 9.280 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:146 Resp: 2623445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.1 | 24.2 | 72.6 |
| 148 | 65.6 | 32.6 | 98.0 |

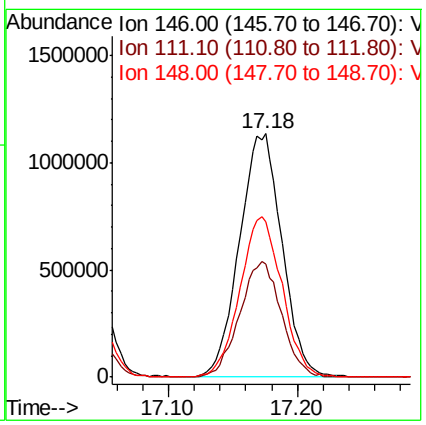


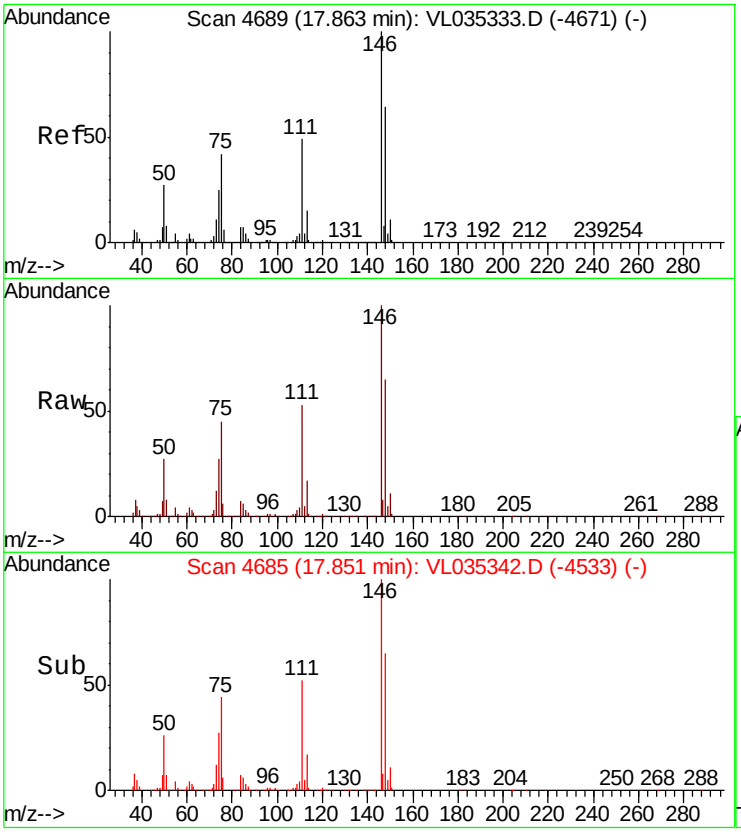




#76
1,4-Dichlorobenzene
Concen: 9.905 ppbv
RT: 17.18 min Scan# 4475
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:146 Resp: 2593161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.6 | 23.3 | 69.9 |
| 148 | 65.7 | 32.1 | 96.5 |



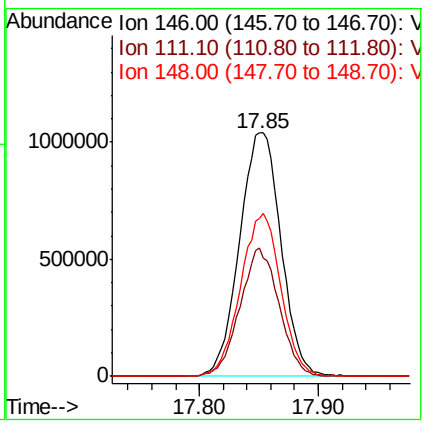


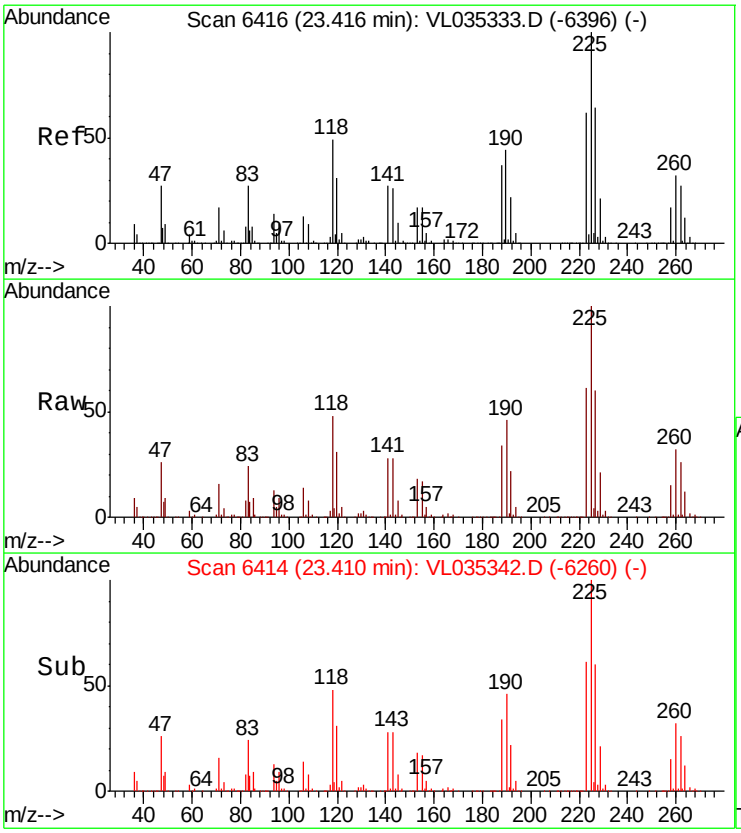

#77
1,2-Dichlorobenzene
Concen: 9.572 ppbv
RT: 17.85 min Scan# 4685
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:146 Resp: 2497453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.9 | 24.9 | 74.7 |
| 148 | 65.2 | 31.9 | 95.9 |

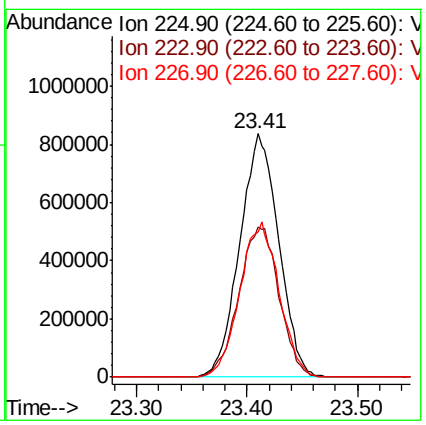


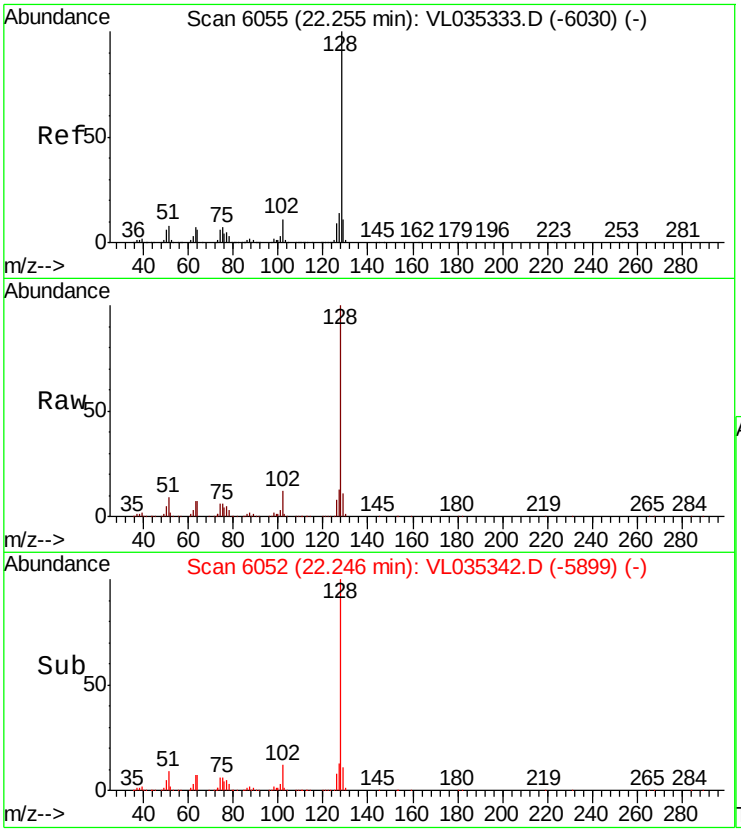




#78
Hexachloro-1,3-Butadiene
Concen: 9.224 ppbv
RT: 23.41 min Scan# 6414
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:225 Resp: 2047477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 50.3 | 75.5 |
| 227 | 64.2 | 52.7 | 79.1 |



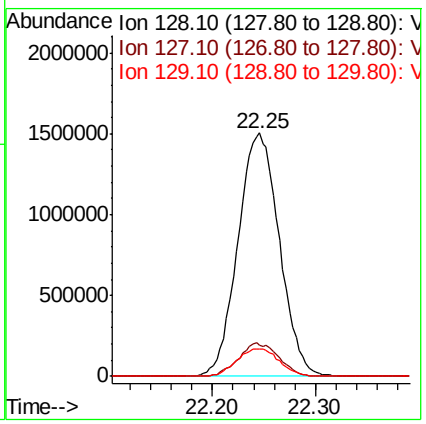


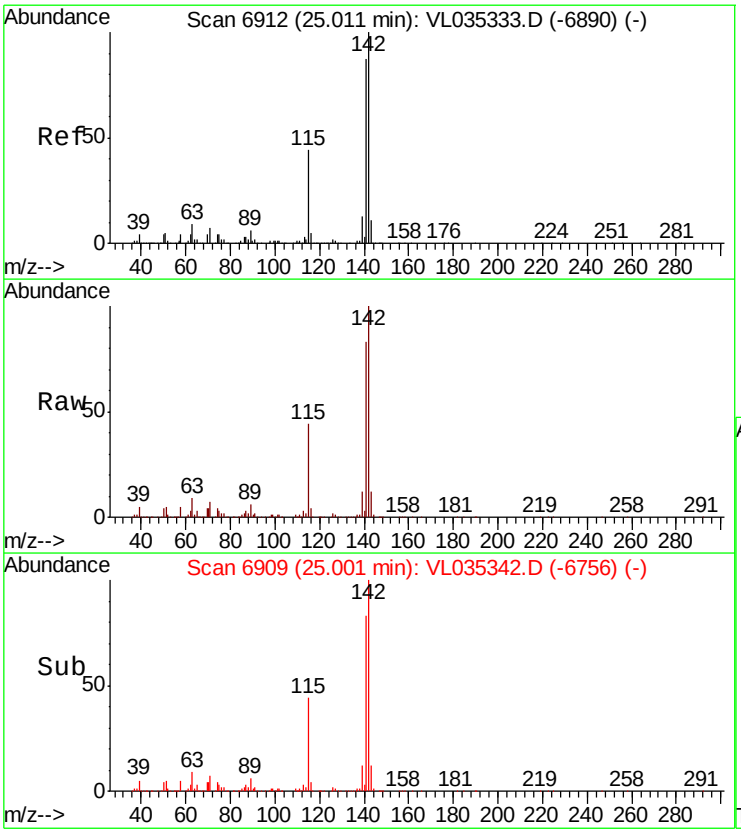

#79
Naphthalene
Concen: 12.604 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:128 Resp: 4189493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 11.1 | 16.7 |
| 129 | 11.3 | 8.7 | 13.1 |

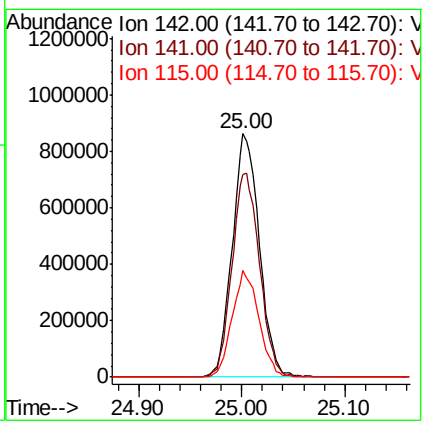


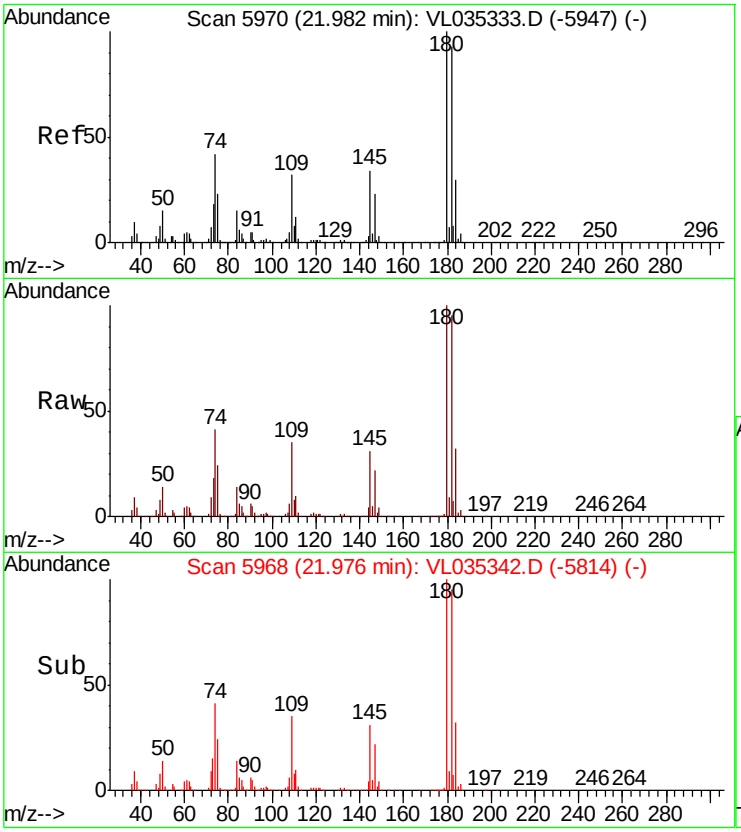




#80
Naphthalene,2-methyl-
Concen: 20.894 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

Tgt Ion:142 Resp: 1579813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.6 | 69.0 | 103.6 |
| 115 | 43.2 | 35.5 | 53.3 |






#81
1,2,4-Trichlorobenzene
Concen: 11.098 ppbv
RT: 21.98 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL035342.D
Acq: 6 Aug 2020 7:51

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

Tgt Ion:180 Resp: 2324717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 77.2 | 115.8 |
| 184 | 31.5 | 25.1 | 37.7 |