Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
Data File : VL038410.D
Acq On : 23 Feb 2022 16:14
Operator : SY/AP
Sample : N1607-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** MP-12

Quant Time: Feb 24 07:27:03 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.67 | 49 | 919169 | 10.00 | ppbv | | 0.02 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 2371839 | 10.00 | ppbv | | 0.03 |
| 55) Chlorobenzene-d5 | 12.09 | 117 | 2091844 | 10.00 | ppbv | | 0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.41 | 95 | 1669775 | 9.65 | ppbv | | 0.03 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 96.50% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.06 | 85 | 28780 | 0.20 | ppbv | | 92 |
| 3) Chlorodifluoromethane | 3.04 | 51 | 1462582 | 9.01 | ppbv | # | 60 |
| 4) Chloromethane | 3.15 | 50 | 14553 | 0.26 | ppbv | # | 85 |
| 5) Vinyl Chloride | 3.26 | 62 | 2006 | 0.03 | ppbv | # | 42 |
| 7) Chloroethane | 3.13 | 64 | 12129 | 0.64 | ppbv | # | 82 |
| 9) Propene | 3.21 | 41 | 108762 | 2.03 | ppbv | | 97 |
| 10) Heptane | 8.12 | 43 | 352600 | 2.70 | ppbv | | 99 |
| 11) Trichlorofluoromethane | 3.96 | 101 | 64111 | 0.46 | ppbv | | 91 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49 | 101 | 6073 | 0.06 | ppbv | | 89 |
| 13) Ethanol | 3.61 | 45 | 125018 | 23.38 | ppbv | # | 31 |
| 15) Acetone | 3.86 | 43 | 606269 | 7.76 | ppbv | | 94 |
| 16) 1,3-Butadiene | 3.31 | 39 | 370939 | 7.10 | ppbv | # | 18 |
| 17) tert-Butyl alcohol | 4.31 | 59 | 180987 | 2.32 | ppbv | | 95 |
| 19) Isopropyl Alcohol | 4.01 | 45 | 235191 | 5.20 | ppbv | # | 93 |
| 20) Methylene Chloride | 4.35 | 84 | 681847 | 17.61 | ppbv | | 97 |
| 21) Allyl Chloride | 4.38 | 41 | 4585 | 0.07 | ppbv | # | 1 |
| 23) Vinyl Acetate | 5.06 | 43 | 85468 | 0.83 | ppbv | # | 1 |
| 25) Ethyl Acetate | 5.69 | 43 | 809820 | 3.86 | ppbv | # | 78 |
| 26) Hexane | 5.69 | 57 | 1166597 | 12.27 | ppbv | # | 41 |
| 29) Chloroform | 5.75 | 83 | 15124 | 0.10 | ppbv | | 95 |
| 30) Cyclohexane | 7.13 | 84 | 239362 | 3.08 | ppbv | | 94 |
| 34) 2-Butanone | 5.25 | 43 | 26704 | 0.36 | ppbv | # | 54 |
| 35) Carbon Tetrachloride | 7.01 | 117 | 5776 | 0.03 | ppbv | # | 83 |
| 36) Benzene | 6.89 | 78 | 122826 | 0.59 | ppbv | # | 88 |
| 38) Trichloroethene | 7.84 | 130 | 13279 | 0.17 | ppbv | # | 80 |
| 39) 1,2-Dichloropropane | 7.18 | 63 | 597436 | 7.18 | ppbv | # | 25 |
| 41) Tetrahydrofuran | 5.98 | 42 | 33867 | 0.67 | ppbv | # | 41 |
| 42) Bromodichloromethane | 7.79 | 83 | 12123 | 0.07 | ppbv | # | 24 |
| 44) 2,2,4-Trimethylpentane | 7.87 | 57 | 751956 | 2.10 | ppbv | # | 72 |
| 50) 4-Methyl-2-Pentanone | 8.76 | 43 | 5542 | 0.04 | ppbv | # | 1 |
| 51) 2-Hexanone | 10.11 | 43 | 83851 | 1.42 | ppbv | # | 34 |
| 52) Tetrachloroethene | 11.22 | 164 | 30417 | 0.44 | ppbv | | 94 |
| 53) Toluene | 9.81 | 91 | 10509885 | 46.36 | ppbv | | 92 |
| 58) Ethyl Benzene | 12.71 | 91 | 460238 | 1.61 | ppbv | | 96 |
| 59) m/p-Xylene | 12.97 | 91 | 1181154 | 4.81 | ppbv | | 95 |
| 60) o-Xylene | 13.69 | 91 | 499129 | 2.15 | ppbv | | 98 |
| 62) Isopropylbenzene | 14.66 | 105 | 113783 | 0.37 | ppbv | | 100 |
| 64) n-propylbenzene | 15.56 | 120 | 34622 | 0.45 | ppbv | # | 1 |
| 65) tert-Butylbenzene | 16.75 | 119 | 51712 | 0.19 | ppbv | # | 11 |
| 66) Benzyl Chloride | 16.99 | 91 | 1570 | 0.11 | ppbv | # | 1 |
| 67) sec-Butylbenzene | 17.29 | 105 | 103290 | 0.27 | ppbv | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
Data File : VL038410.D
Acq On : 23 Feb 2022 16:14
Operator : SY/AP
Sample : N1607-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Quant Time: Feb 24 07:27:03 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 69) p-Isopropyltoluene | 17.65 | 119 | 66858 | 0.22 | ppbv | | 98 |
| 70) n-Butylbenzene | 18.55 | 91 | 65255 | 0.21 | ppbv | # | 34 |
| 71) 2-Chlorotoluene | 15.56 | 91 | 283616 | 1.18 | ppbv | # | 48 |
| 72) 4-Ethyltoluene | 15.83 | 105 | 265633 | 1.04 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.00 | 105 | 292585 | 1.26 | ppbv | | 99 |
| 74) 1,2,4-Trimethylbenzene | 16.76 | 105 | 760434 | 3.10 | ppbv | # | 71 |
| 75) 1,3-Dichlorobenzene | 16.99 | 146 | 4956 | 0.04 | ppbv | # | 23 |
| 79) Naphthalene | 22.19 | 128 | 25179 | 0.19 | ppbv | | 97 |
| 80) Naphthalene,2-methyl- | 25.01 | 142 | 1631 | 0.06 | ppbv | # | 43 |

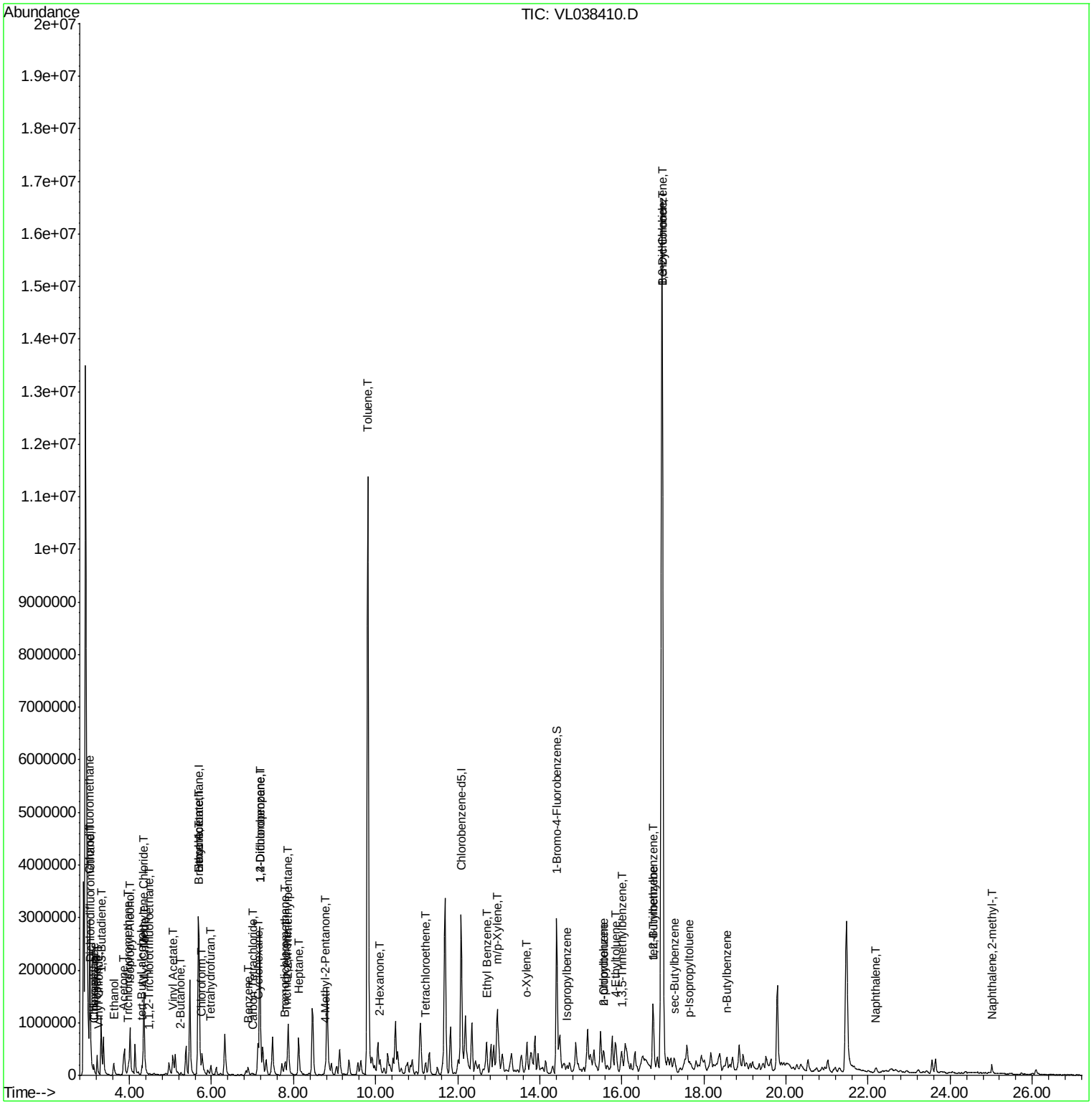
(#) = qualifier out of range (m) = manual integration (+) = signals summed

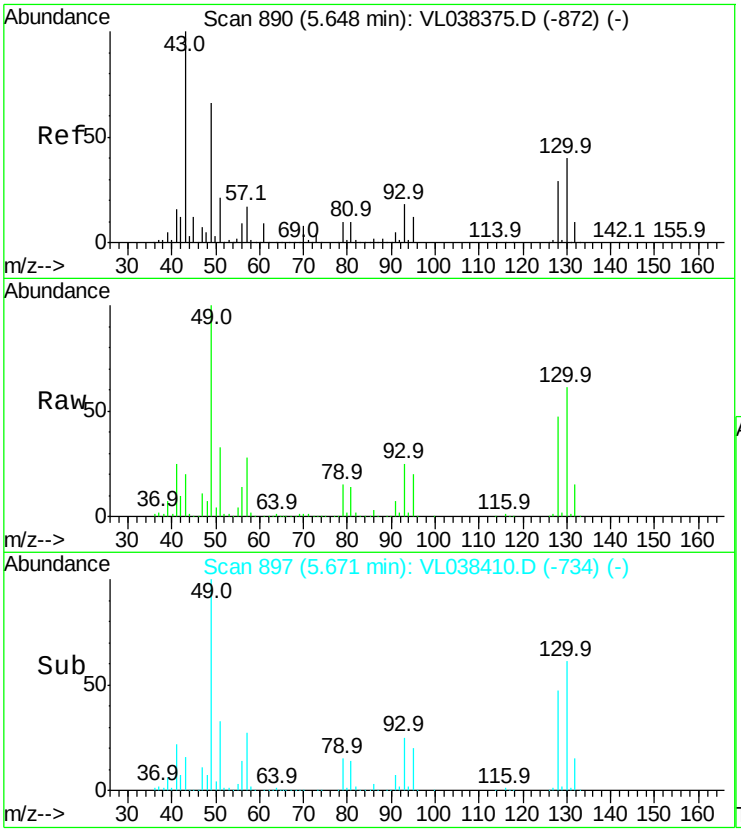
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
Data File : VL038410.D
Acq On : 23 Feb 2022 16:14
Operator : SY/AP
Sample : N1607-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Quant Time: Feb 24 07:27:03 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



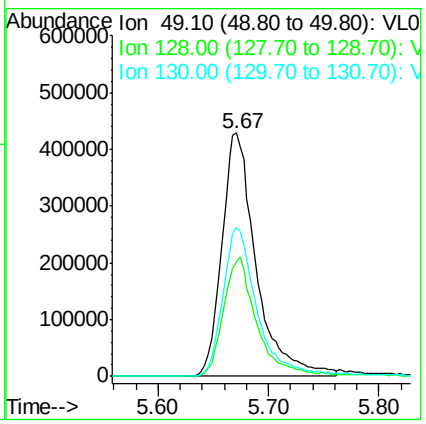


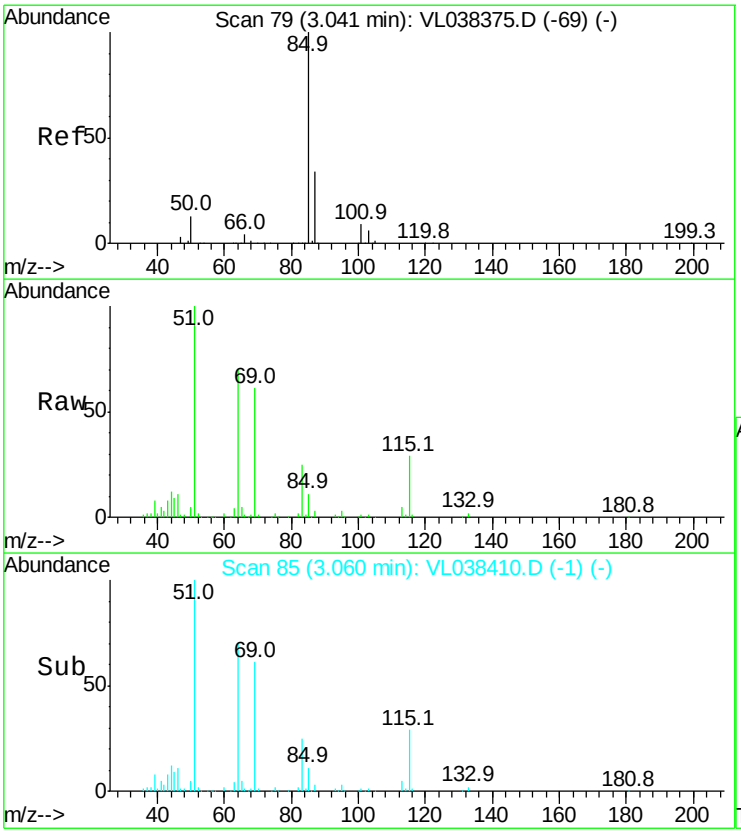

#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 49 Resp: 919169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 49.0 | 24.3 | 72.9 |
| 130 | 62.5 | 30.1 | 90.5 |

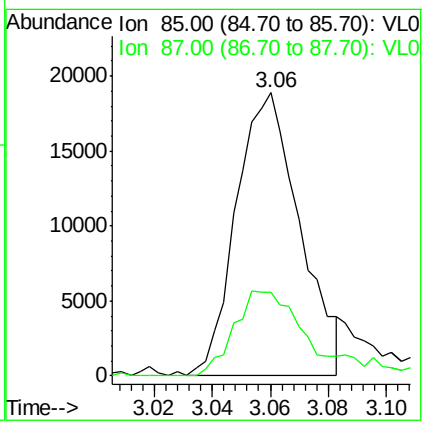


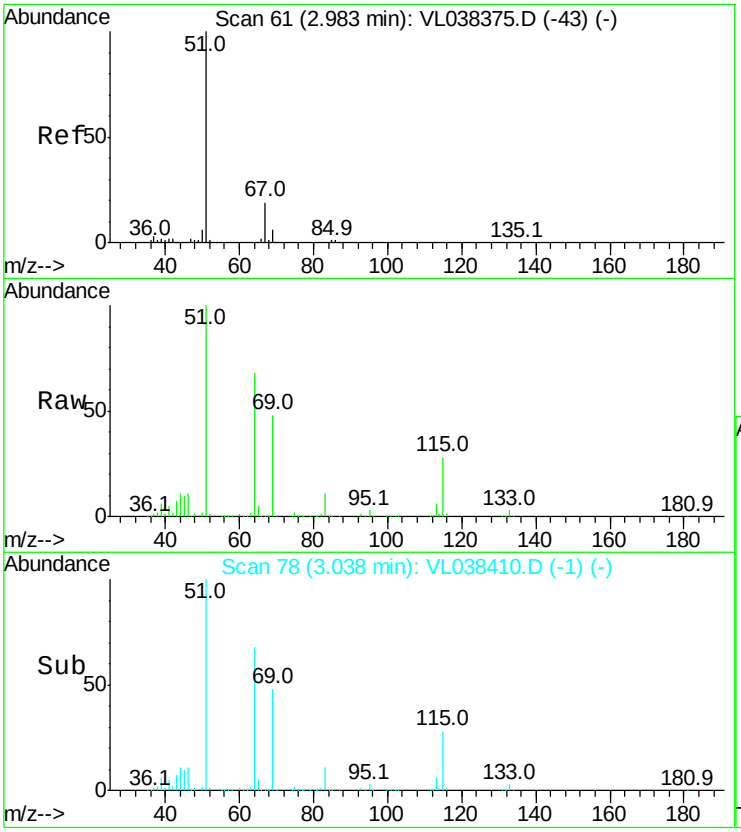




#2
Dichlorodifluoromethane
Concen: 0.20 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 85 Resp: 28780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.4 | 27.4 | 41.0 |



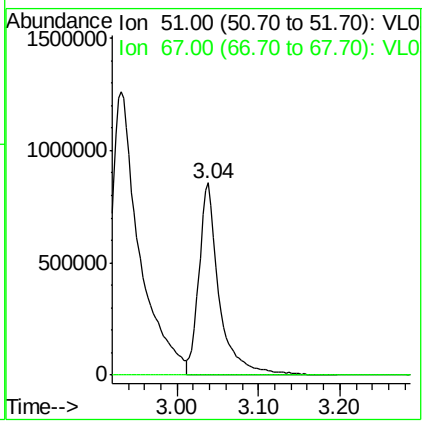


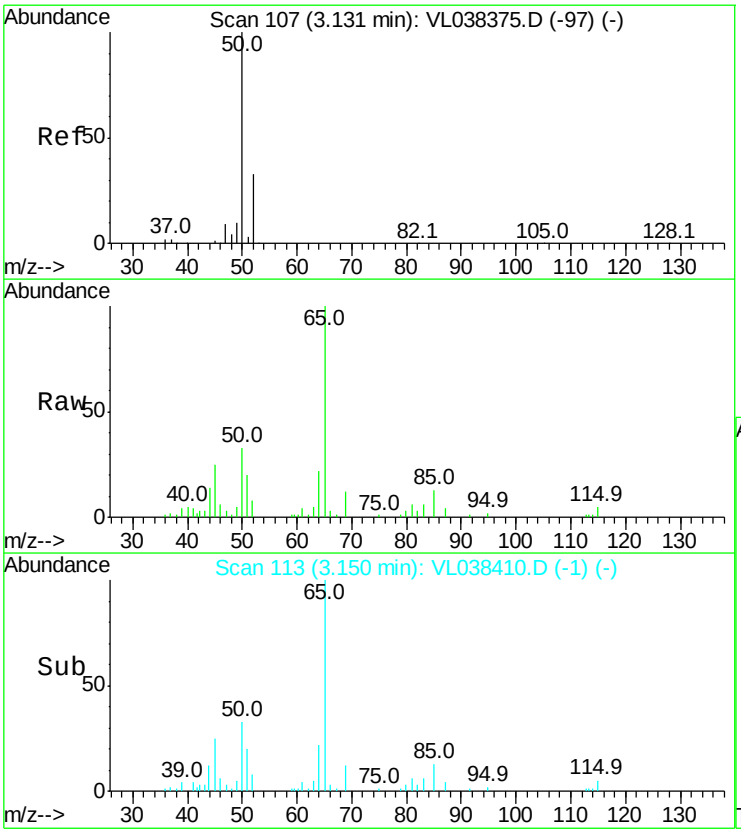

#3
Chlorodifluoromethane
Concen: 9.01 ppbv
RT: 3.04
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 51 Resp: 1462582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 0.5 | 14.7 | 22.1# |

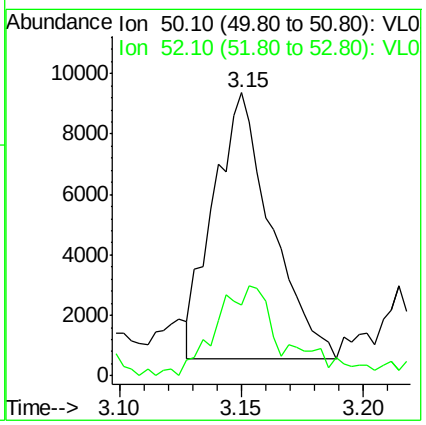


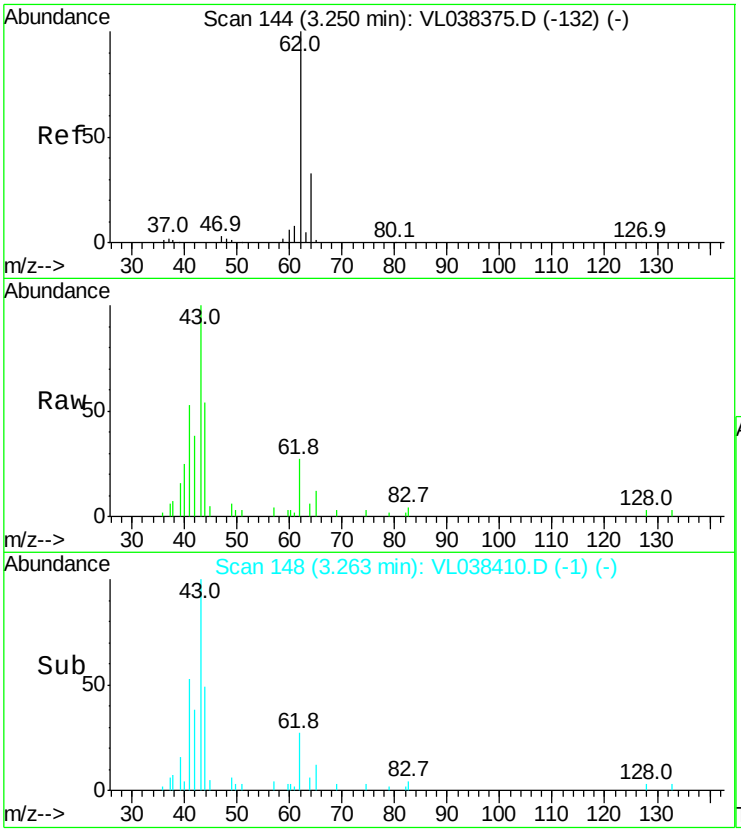




#4
Chloromethane
Concen: 0.26 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 50 Resp: 14553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 24.4 | 26.5 | 39.7# |



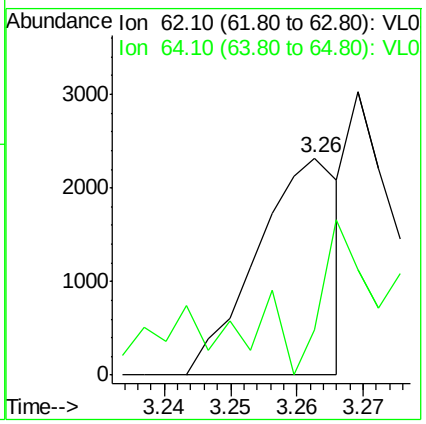


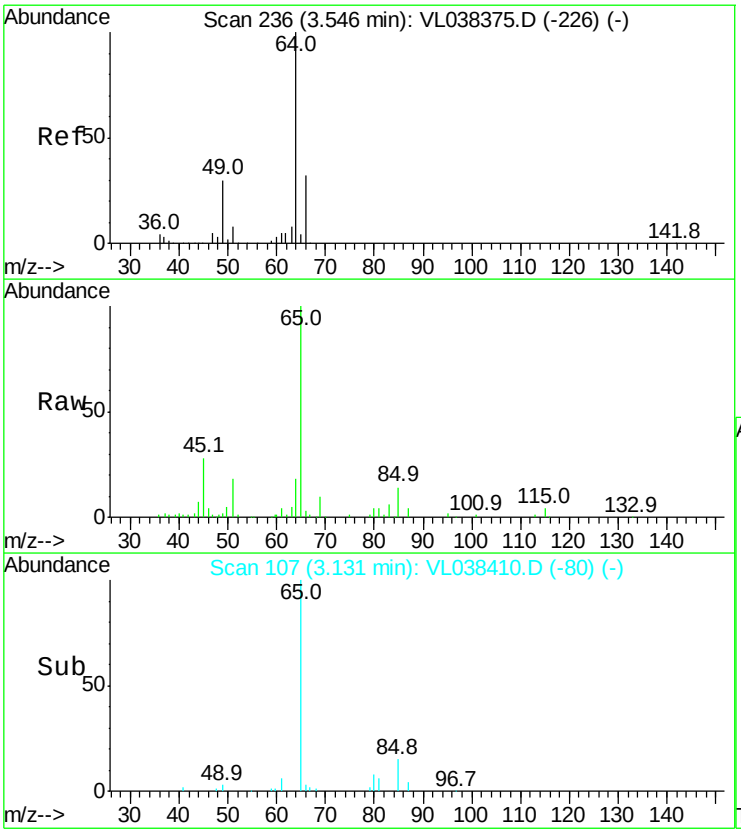

#5
Vinyl Chloride
Concen: 0.03 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 62 Resp: 2006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 0.0 | 26.2 | 39.2# |

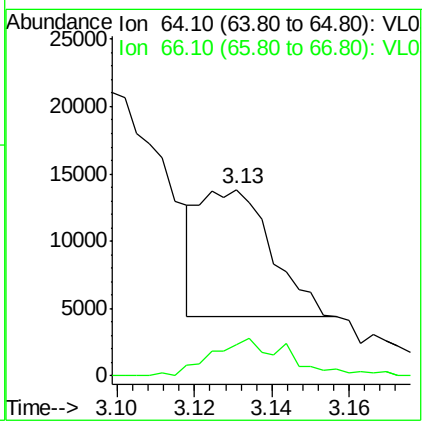


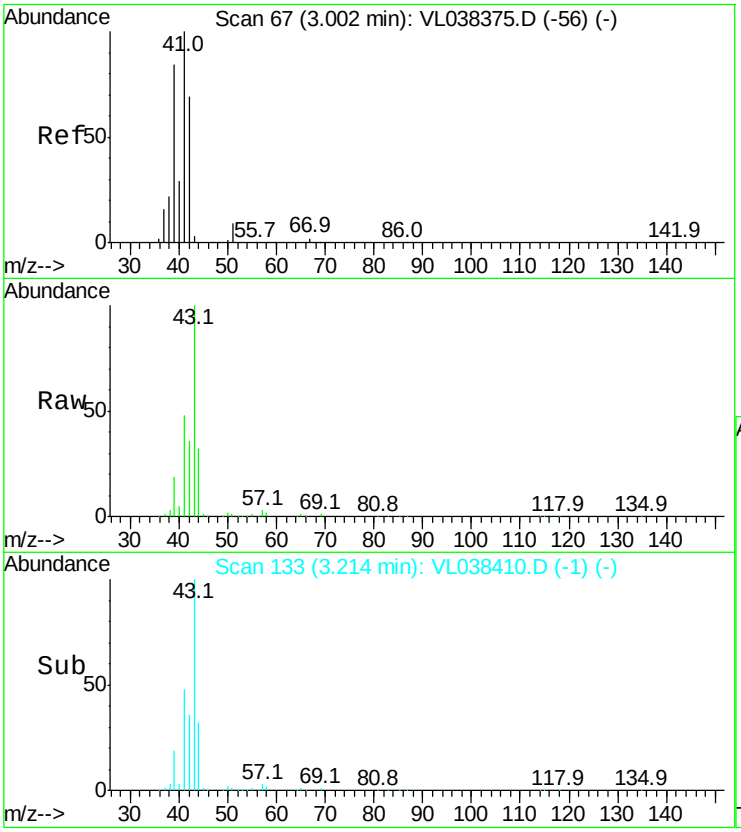




#7
Chloroethane
Concen: 0.64 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.41 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 64 Resp: 12129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 22.4 | 25.9 | 38.9# |



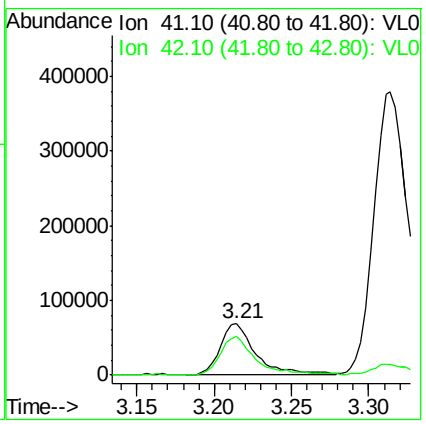


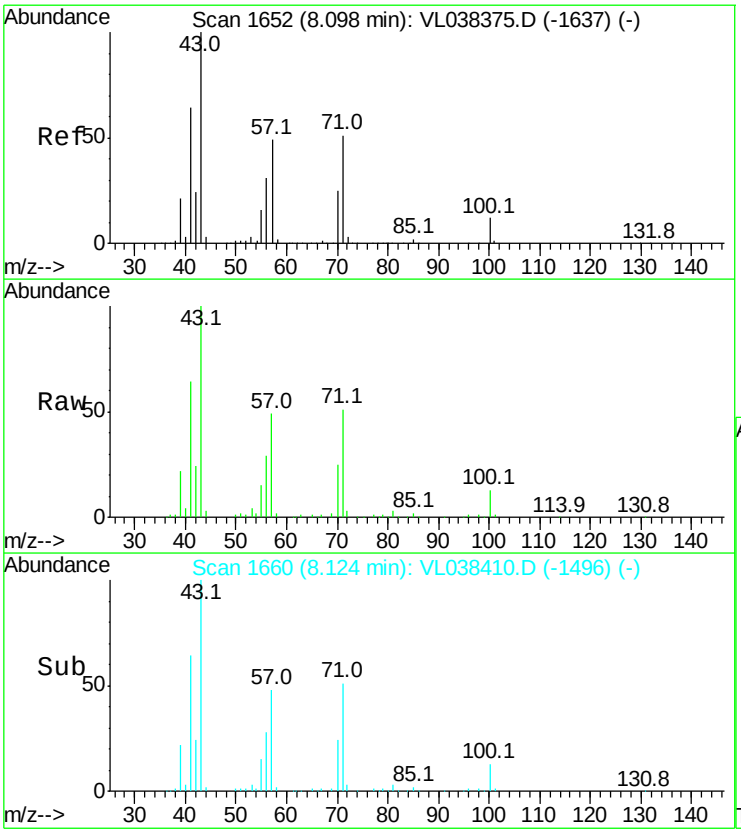

#9
Propene
Concen: 2.03 ppbv
RT: 3.21
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 41 Resp: 108762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 71.0 | 54.6 | 82.0 |

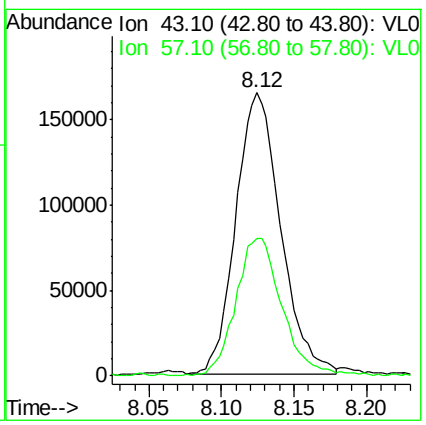


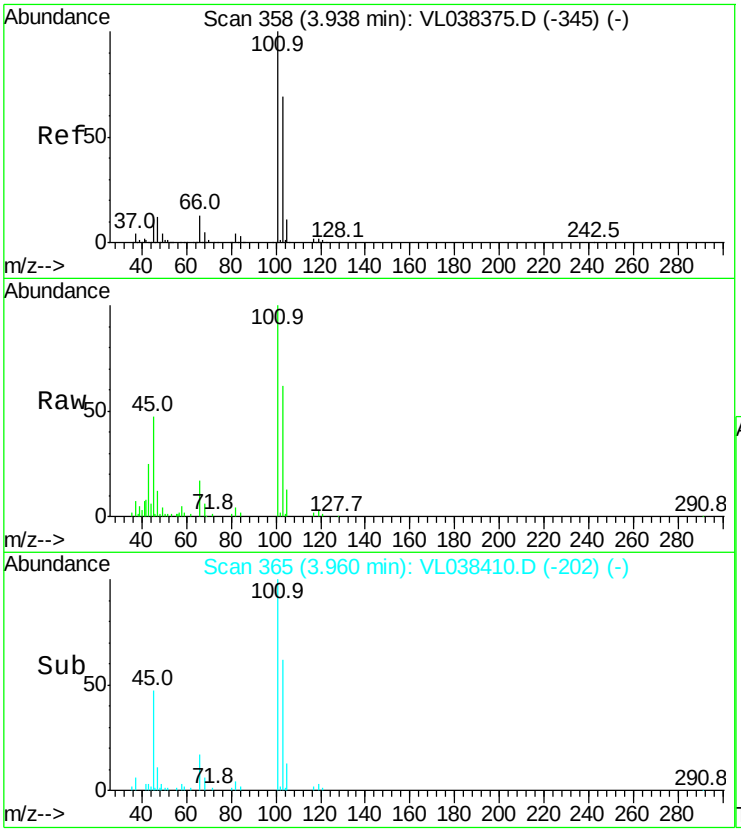




#10
Heptane
Concen: 2.70 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 43 Resp: 352600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 50.2 | 39.8 | 59.8 |



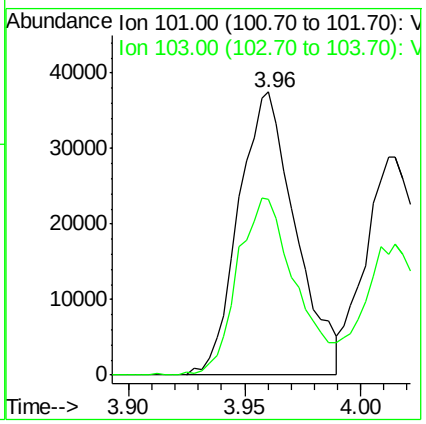


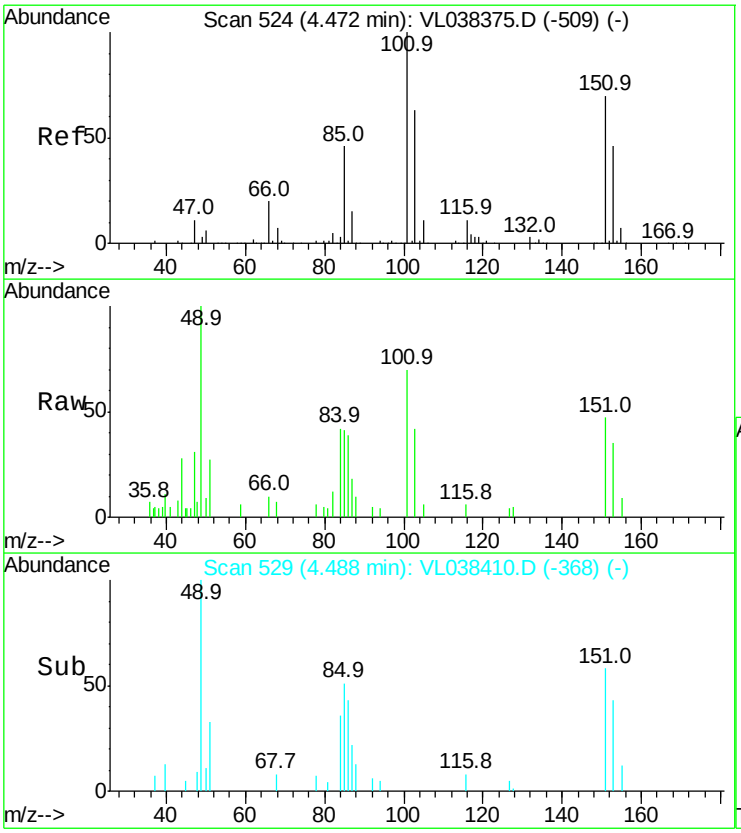

#11
Trichlorofluoromethane
Concen: 0.46 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:101 Resp: 64111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.1 | 55.0 | 82.4 |

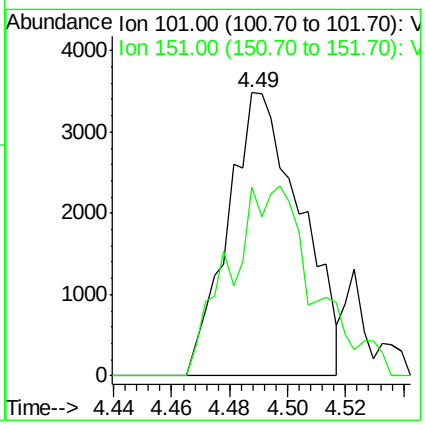


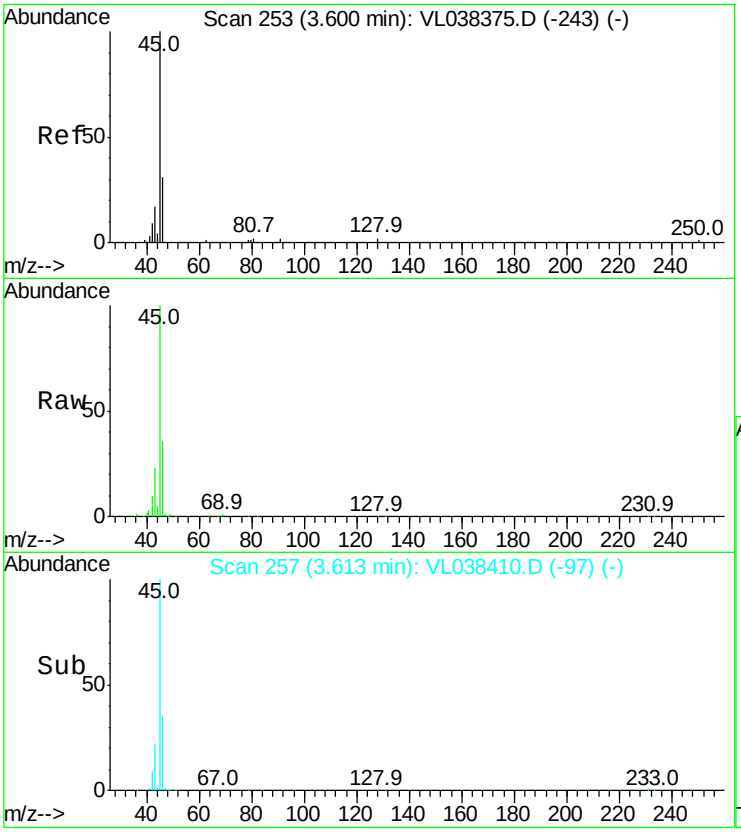




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.06 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:101 Resp: 6073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 78.6 | 55.9 | 83.9 |



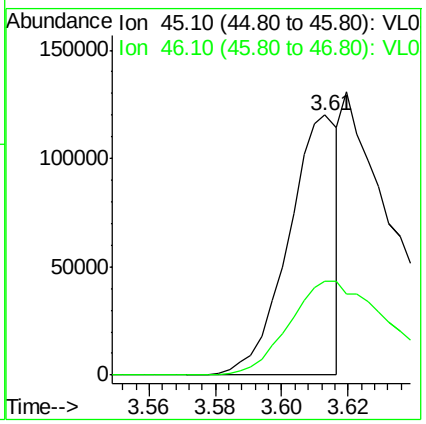


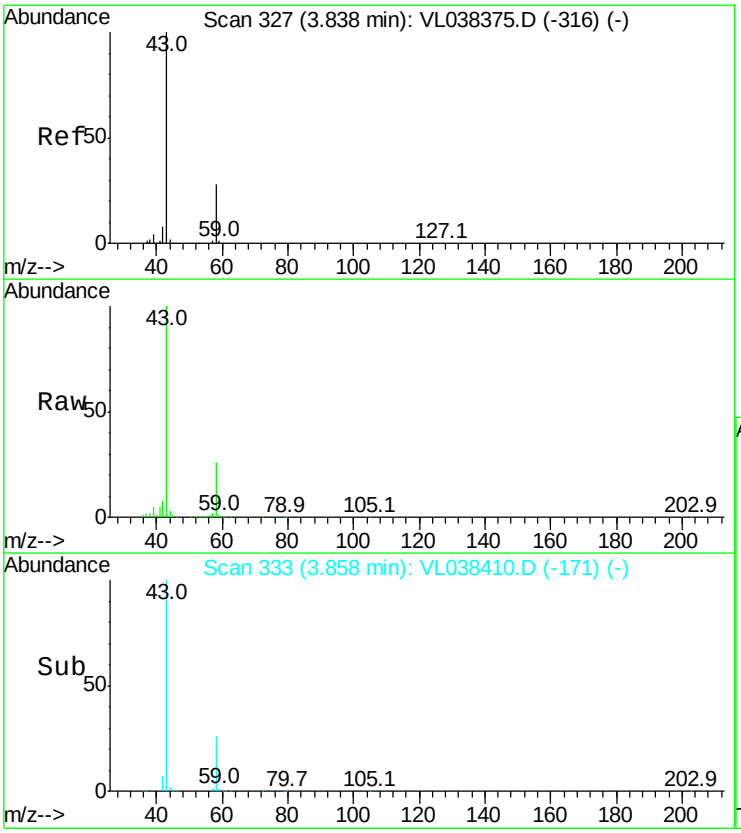

#13
Ethanol
Concen: 23.38 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 45 Resp: 125018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 90.7 | 18.2 | 72.8# |

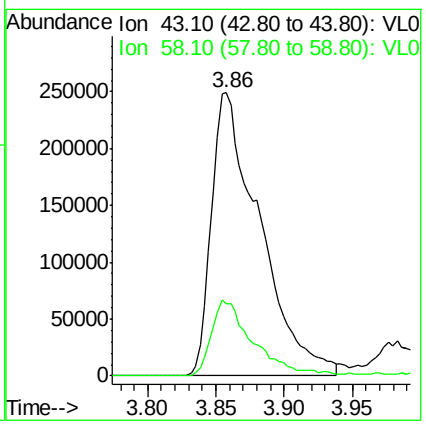


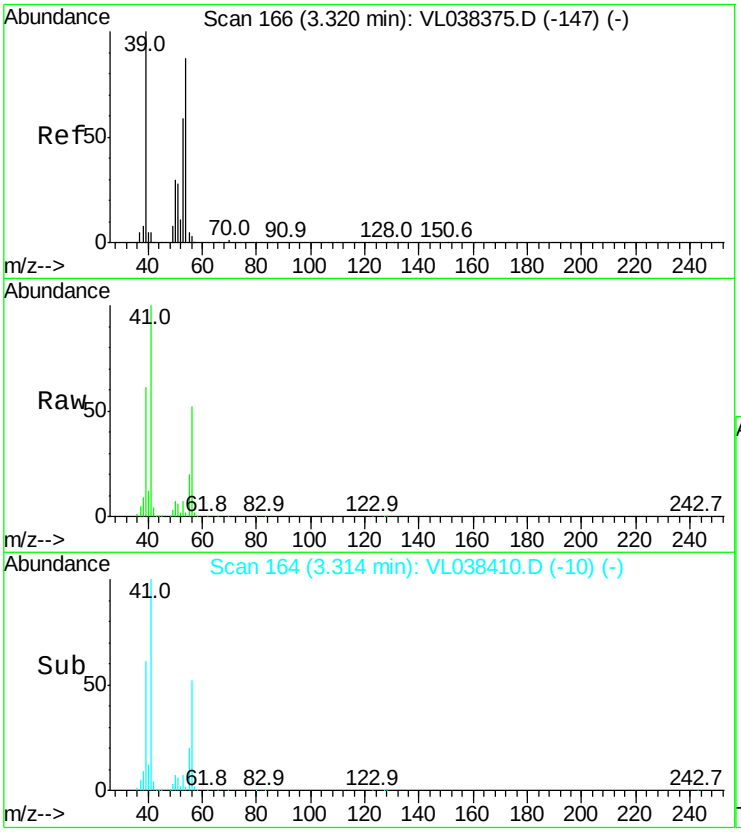




#15
Acetone
Concen: 7.76 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 43 Resp: 606269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 23.9 | 21.7 | 32.5 |



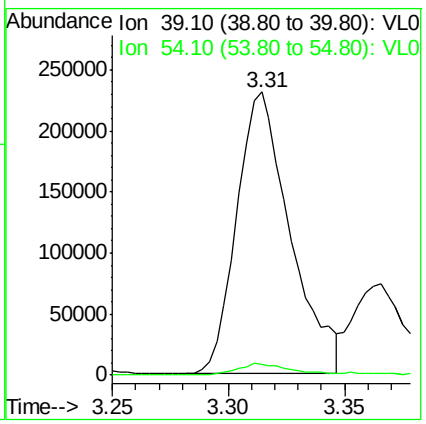


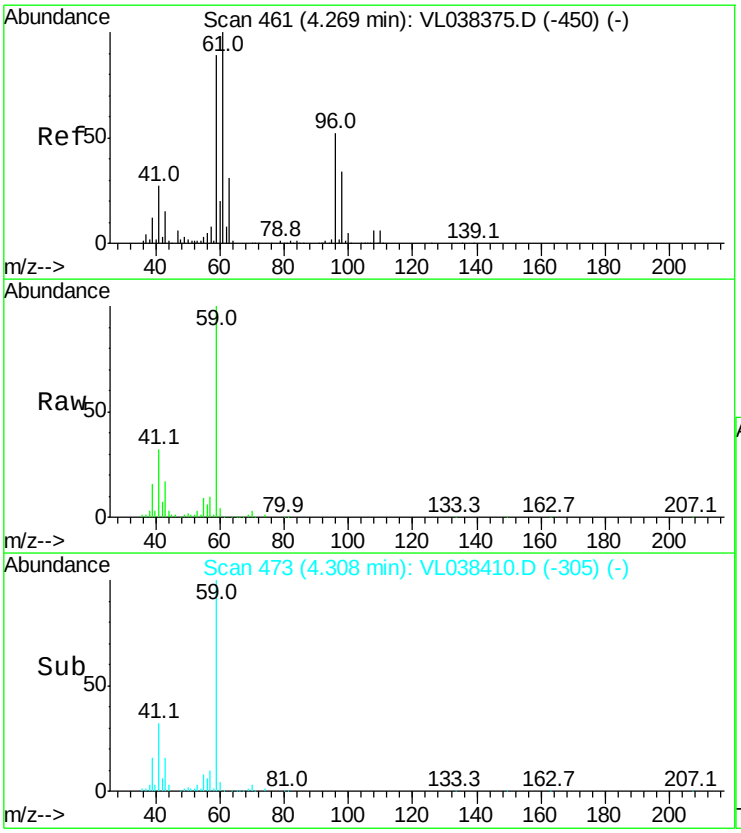

#16
1,3-Butadiene
Concen: 7.10 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 39 Resp: 370939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 4.9 | 60.3 | 90.5# |

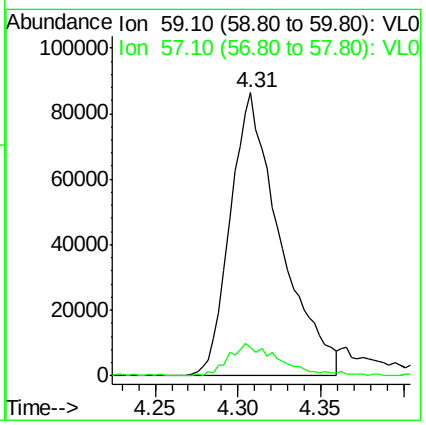


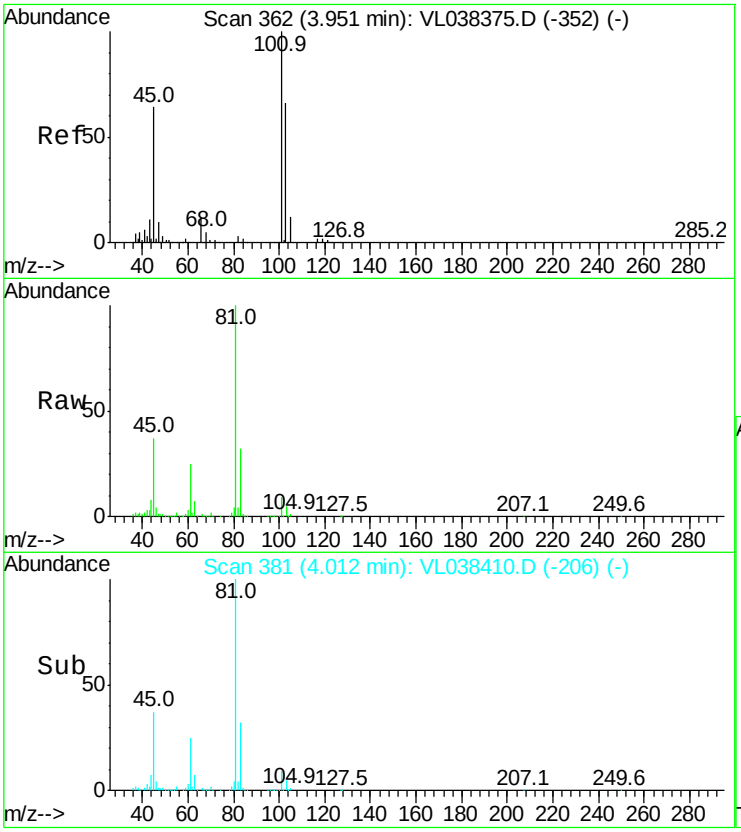




#17
tert-Butyl alcohol
Concen: 2.32 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 59 Resp: 180987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 12.3 | 8.4 | 12.6 |



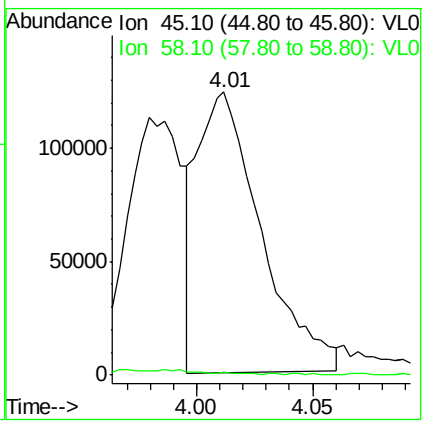


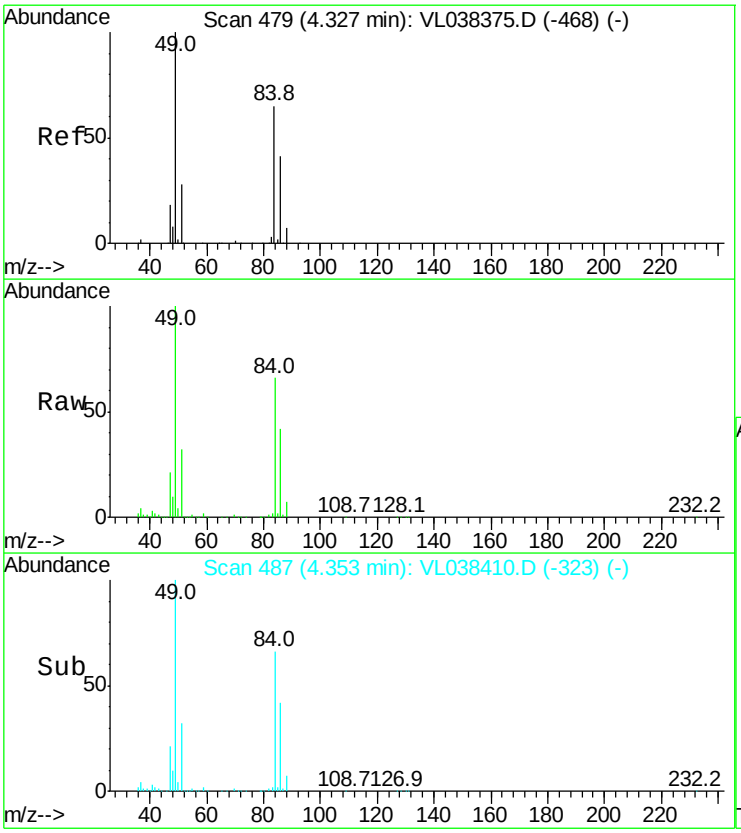

#19
Isopropyl Alcohol
Concen: 5.20 ppbv
RT: 4.01
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 45 Resp: 235191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 1.8 | 2.8# |

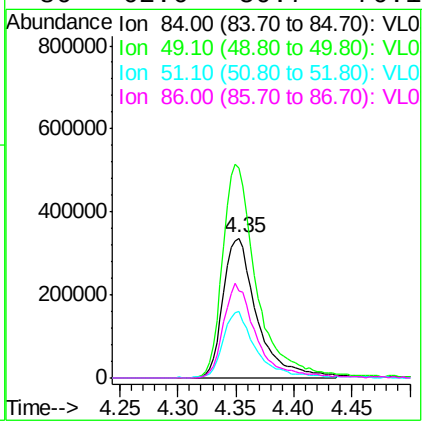


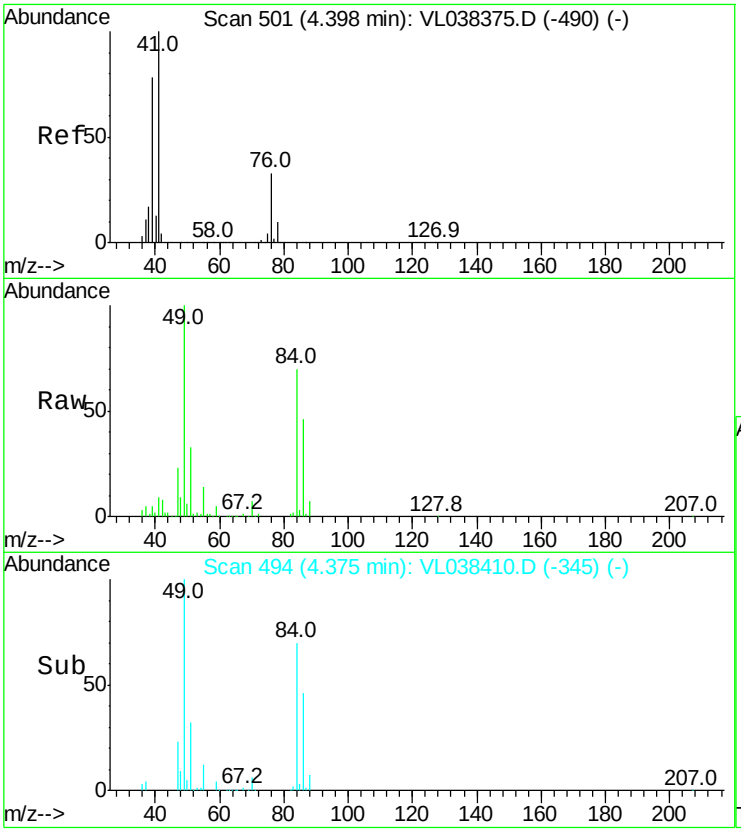




#20
Methylene Chloride
Concen: 17.61 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 84 Resp: 681847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 150.3 | 122.4 | 183.6 |
| 51 | 47.3 | 33.3 | 49.9 |
| 86 | 62.6 | 50.7 | 76.1 |



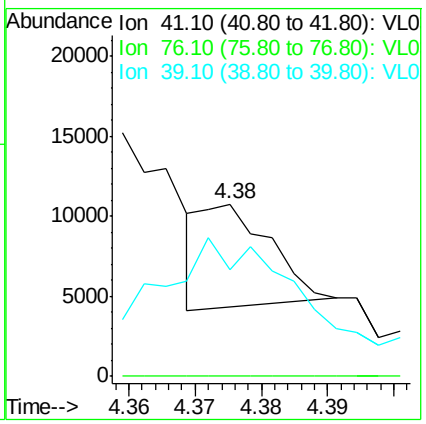


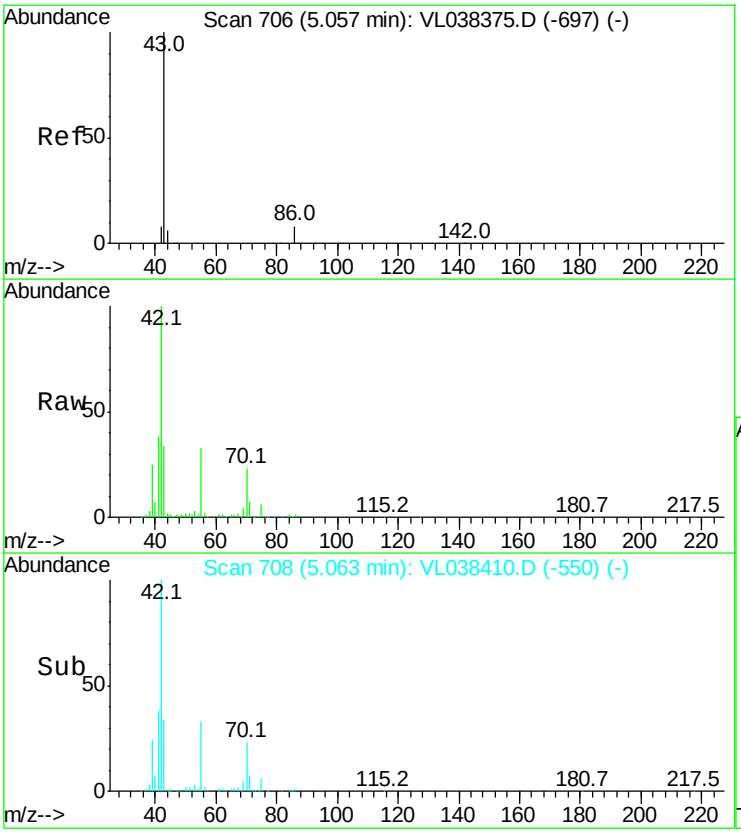

#21
Allyl Chloride
Concen: 0.07 ppbv
RT: 4.38
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 41 Resp: 4585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 0.0 | 25.4 | 38.0# |
| 39 | 371.2 | 63.0 | 94.6# |

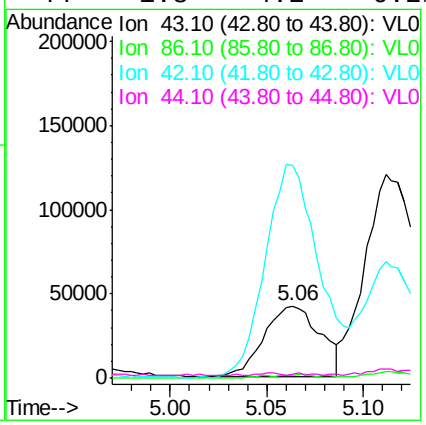


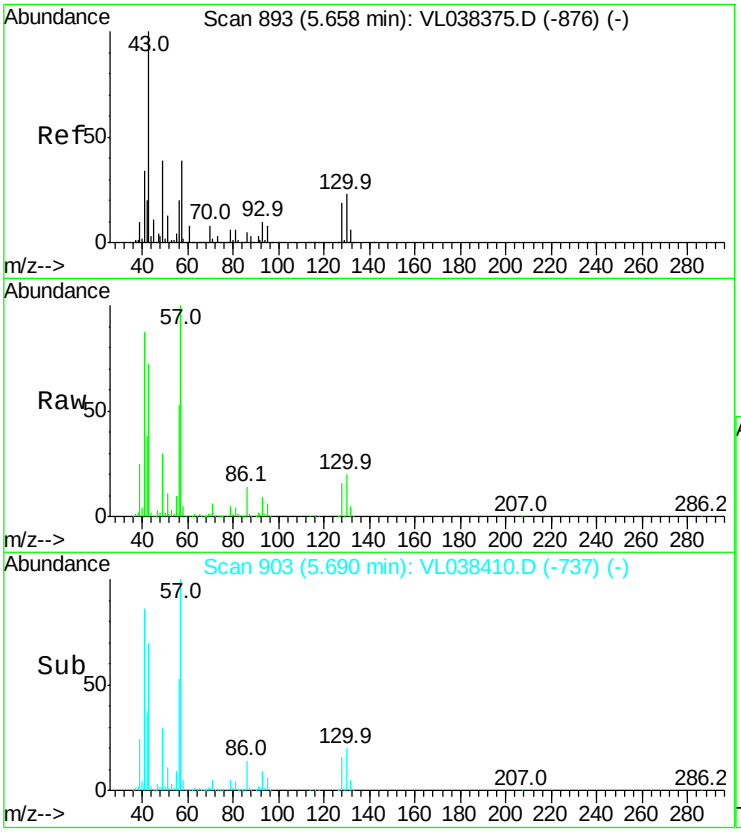




#23
Vinyl Acetate
Concen: 0.83 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.01 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 43 Resp: 85468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 2.3 | 5.8 | 8.6# |
| 42 | 300.2 | 7.4 | 11.0# |
| 44 | 1.8 | 4.2 | 6.2# |



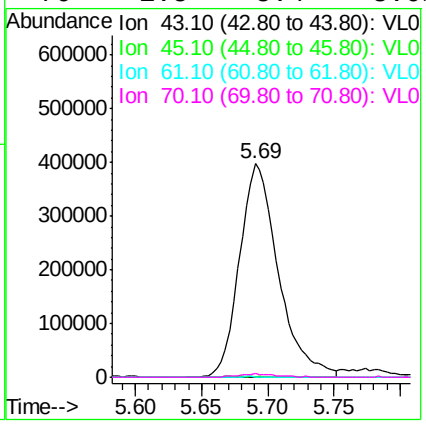


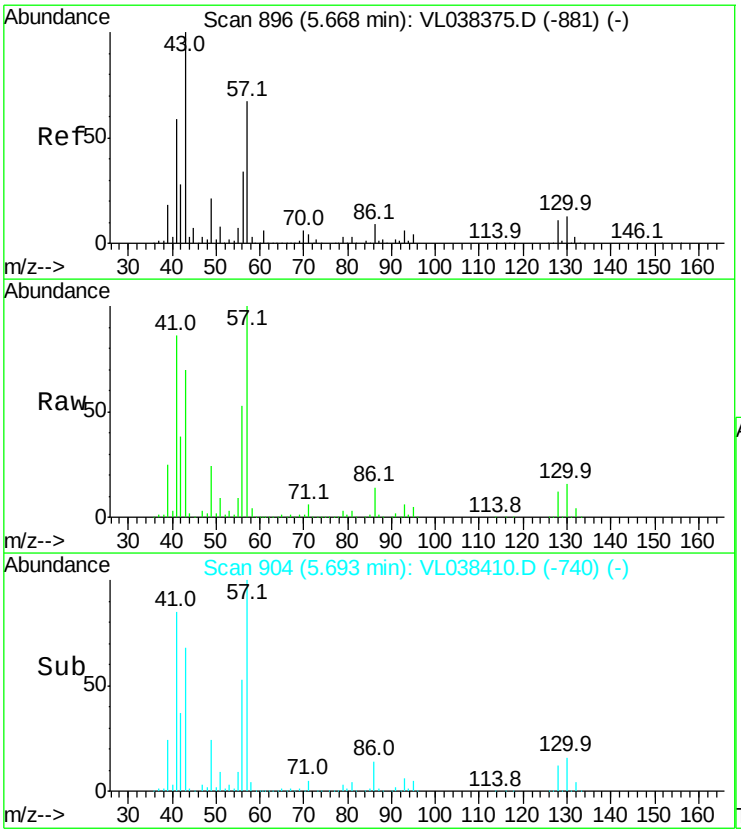

#25
Ethyl Acetate
Concen: 3.86 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 43 Resp: 809820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 0.5 | 7.8 | 11.6# |
| 61 | 0.3 | 7.5 | 11.3# |
| 70 | 1.5 | 5.4 | 8.0# |

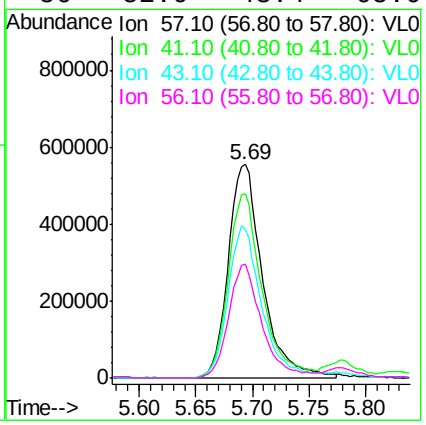


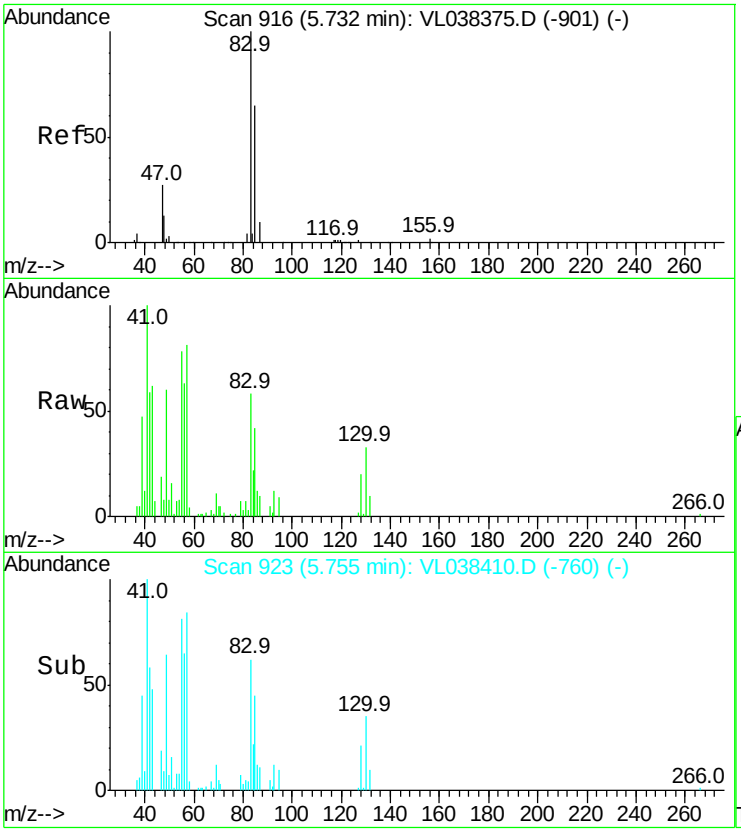




#26
Hexane
Concen: 12.27 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 57 Resp: 1166597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 85.0 | 73.1 | 109.7 |
| 43 | 73.2 | 181.0 | 271.4# |
| 56 | 52.0 | 43.4 | 65.0 |



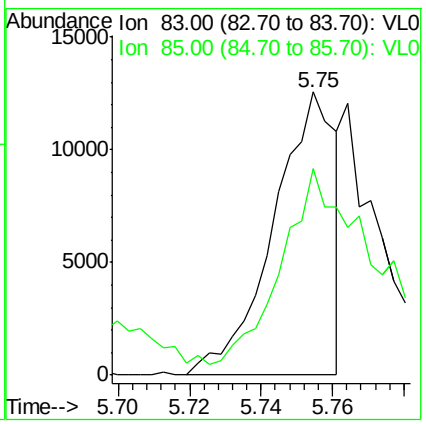


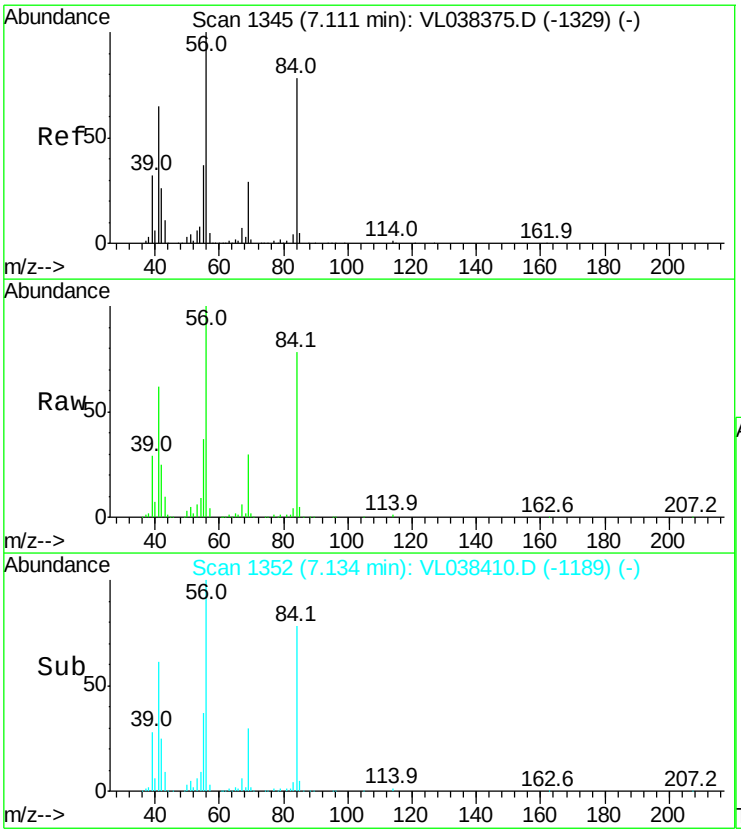

#29
Chloroform
Concen: 0.10 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 83 Resp: 15124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.7 | 51.6 | 77.4 |

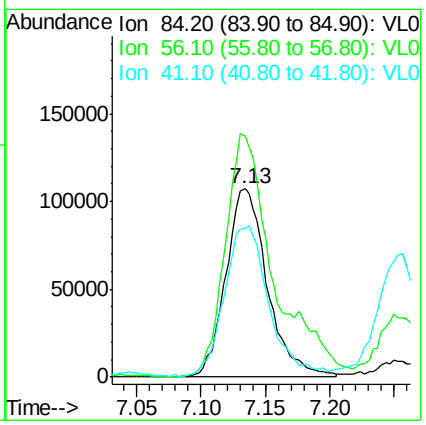


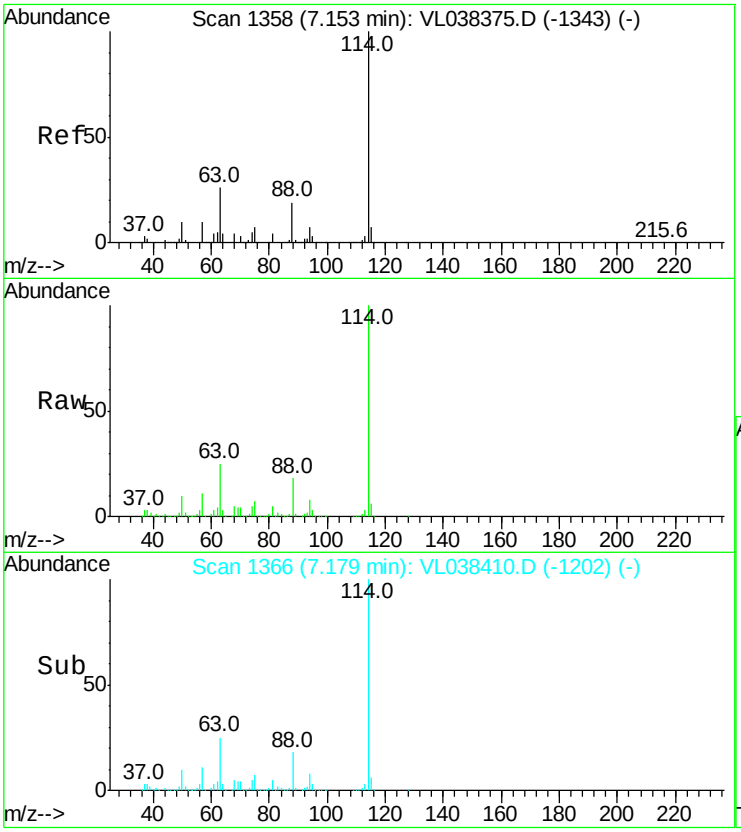




#30
Cyclohexane
Concen: 3.08 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 84 Resp: 239362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 151.6 | 116.2 | 174.4 |
| 41 | 85.5 | 74.3 | 111.5 |



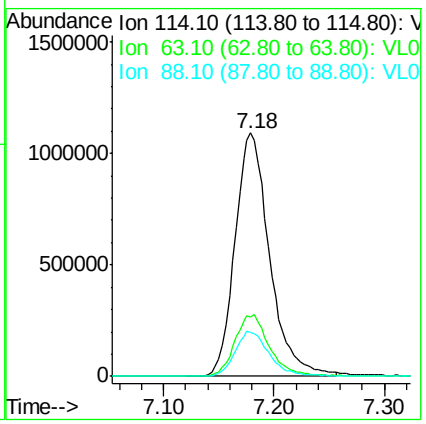


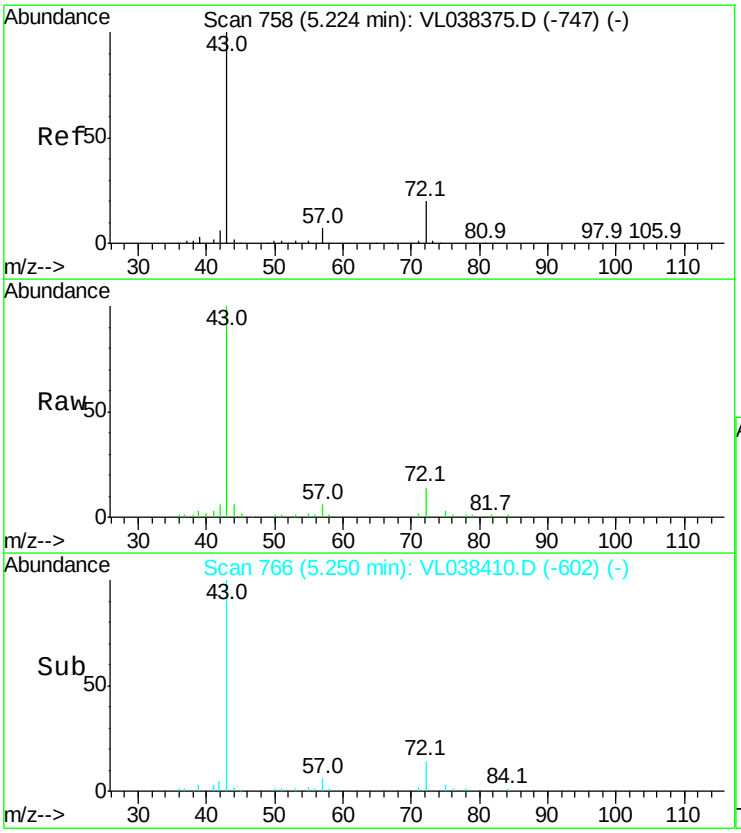

#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:114 Resp: 2371839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.8 | 22.2 | 33.2 |
| 88 | 18.6 | 15.2 | 22.8 |

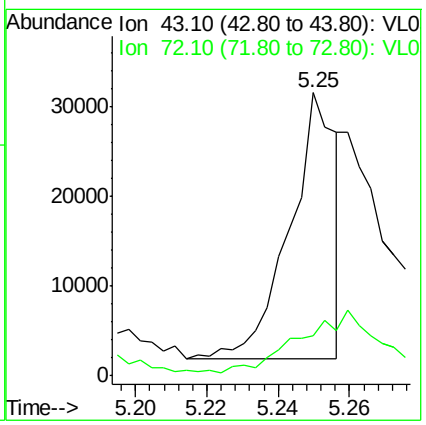


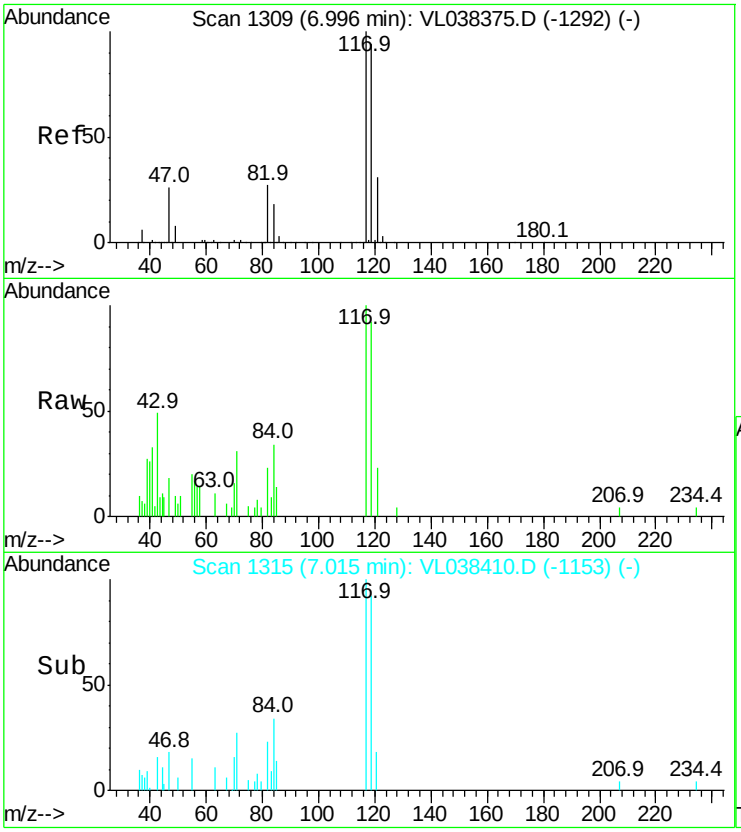




#34
2-Butanone
Concen: 0.36 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 43 Resp: 26704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 17.4 | 26.2# |



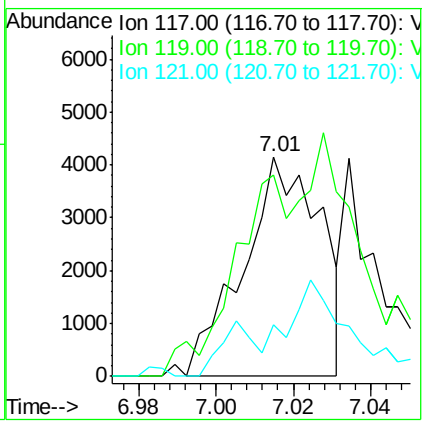


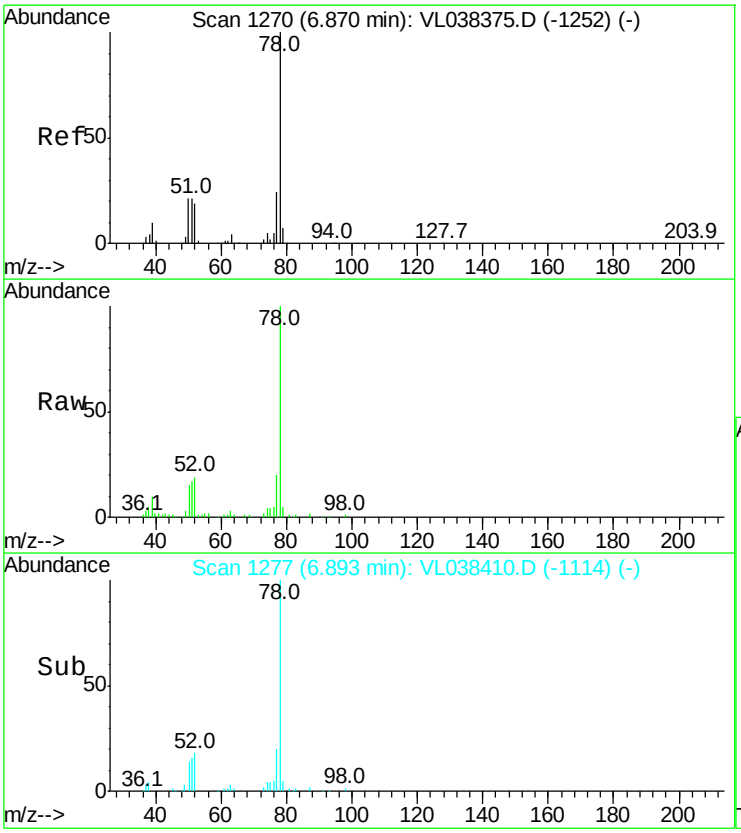

#35
Carbon Tetrachloride
Concen: 0.03 ppbv
RT: 7.01
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:117 Resp: 5776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 75.9 | 74.9 | 112.3 |
| 121 | 23.3 | 24.8 | 37.2# |

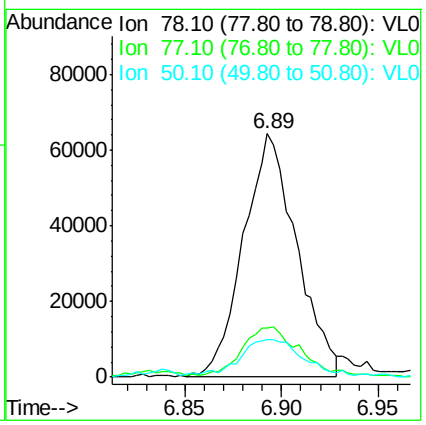


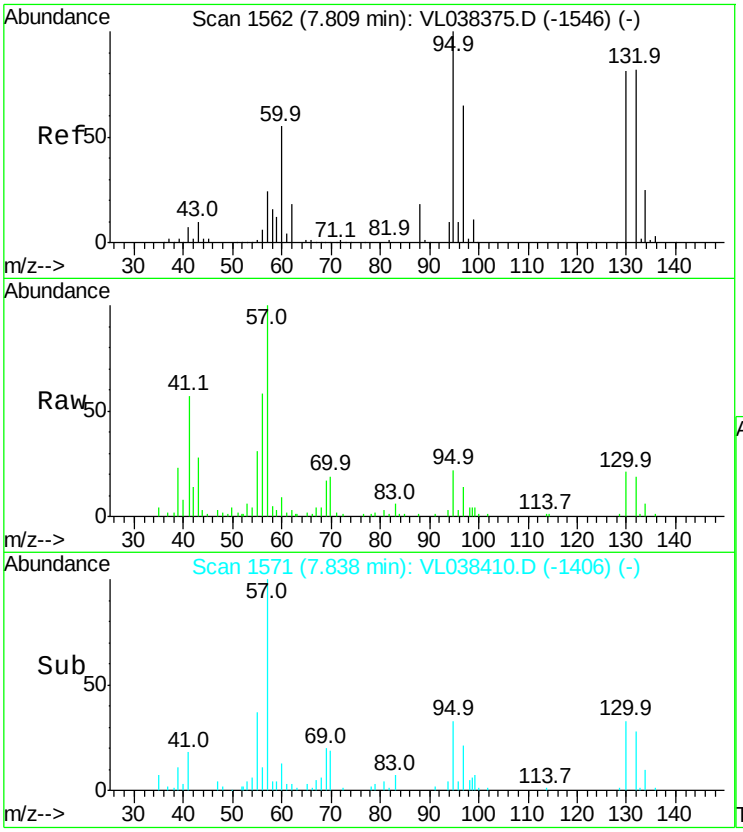




#36
Benzene
Concen: 0.59 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 78 Resp: 122826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 19.1 | 19.0 | 28.6 |
| 50 | 14.1 | 16.6 | 24.8# |



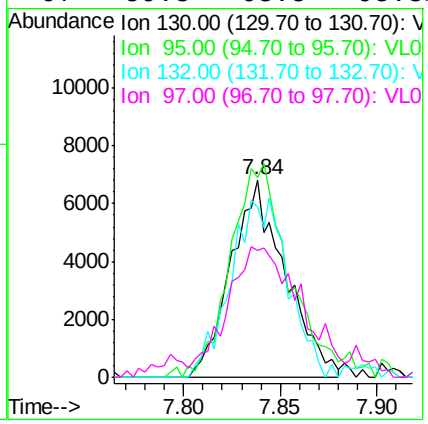


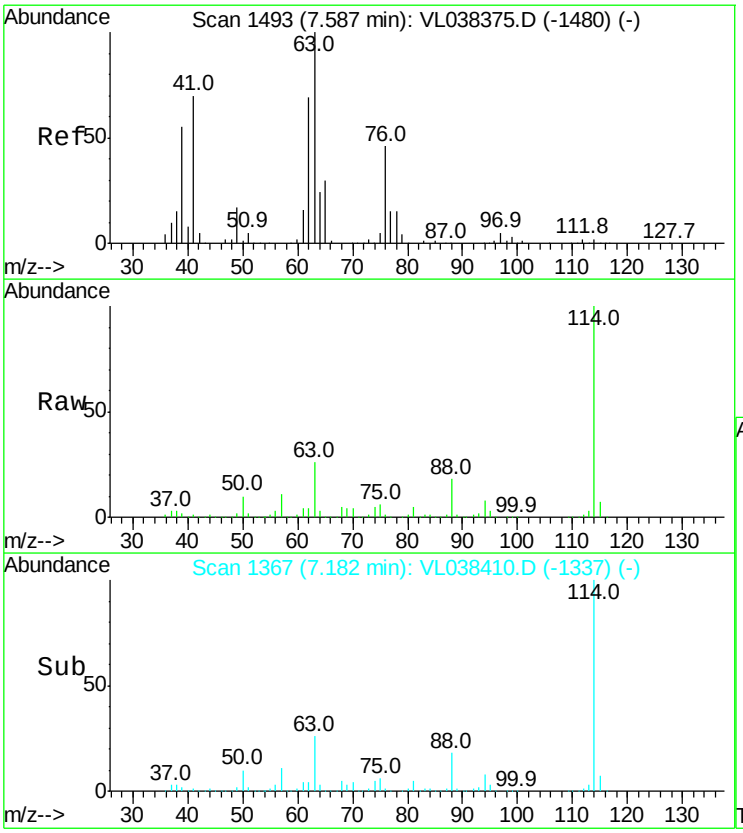

#38
Trichloroethene
Concen: 0.17 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:130 Resp: 13279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.4 | 98.1 | 147.1# |
| 132 | 86.2 | 80.3 | 120.5 |
| 97 | 59.3 | 63.5 | 95.3# |

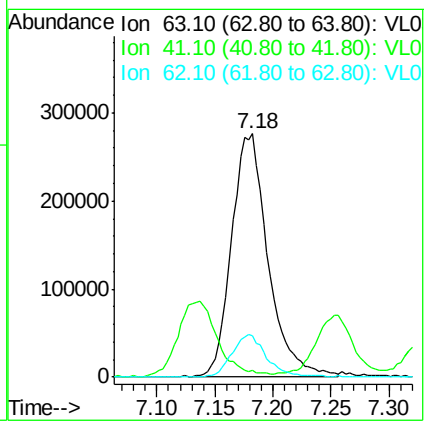


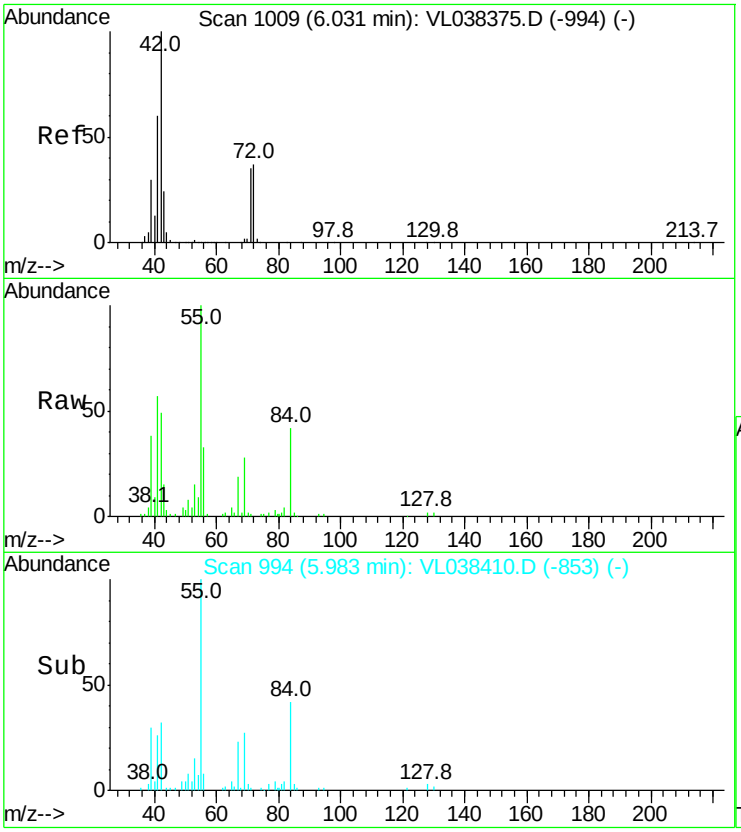




#39
1,2-Dichloropropane
Concen: 7.18 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.41 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 63 Resp: 597436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 56.1 | 84.1# |
| 62 | 16.7 | 55.5 | 83.3# |



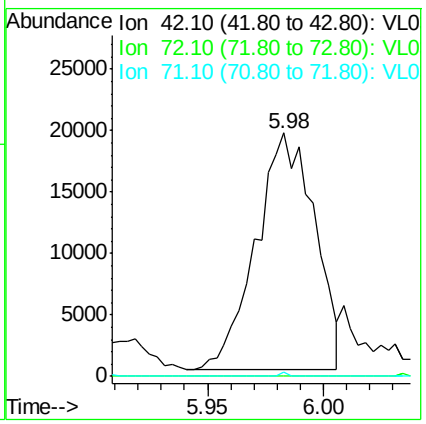


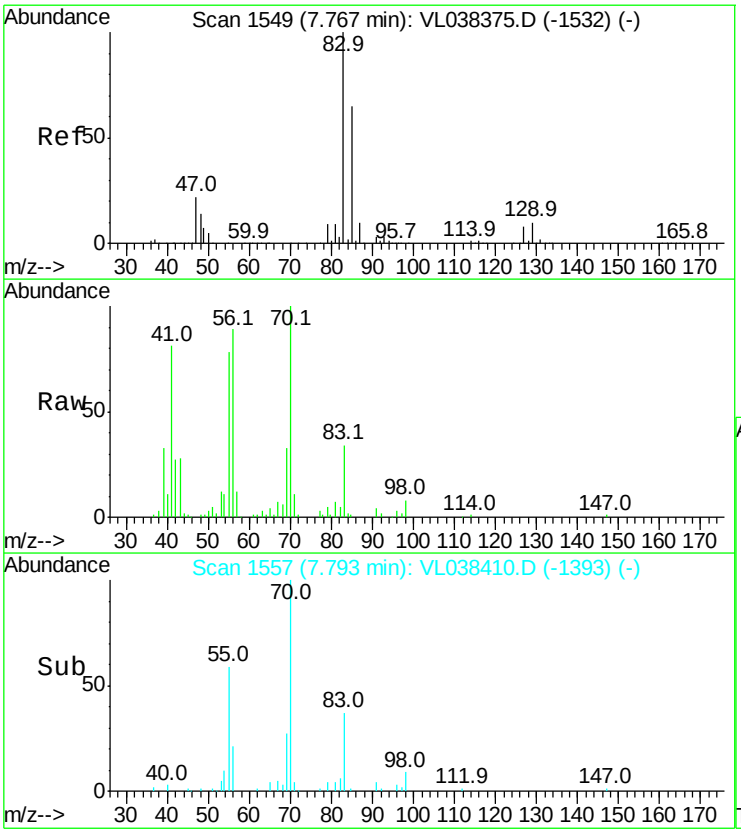

#41
Tetrahydrofuran
Concen: 0.67 ppbv
RT: 5.98
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 42 Resp: 33867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 3.2 | 29.9 | 44.9# |
| 71 | 0.0 | 28.6 | 42.8# |

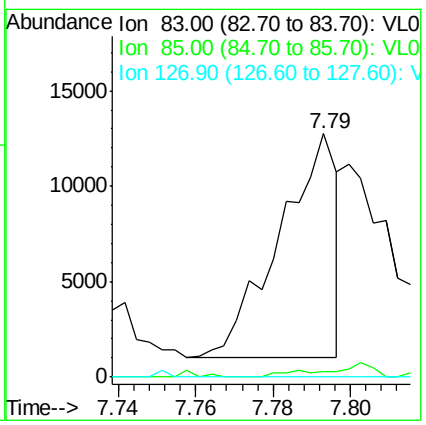


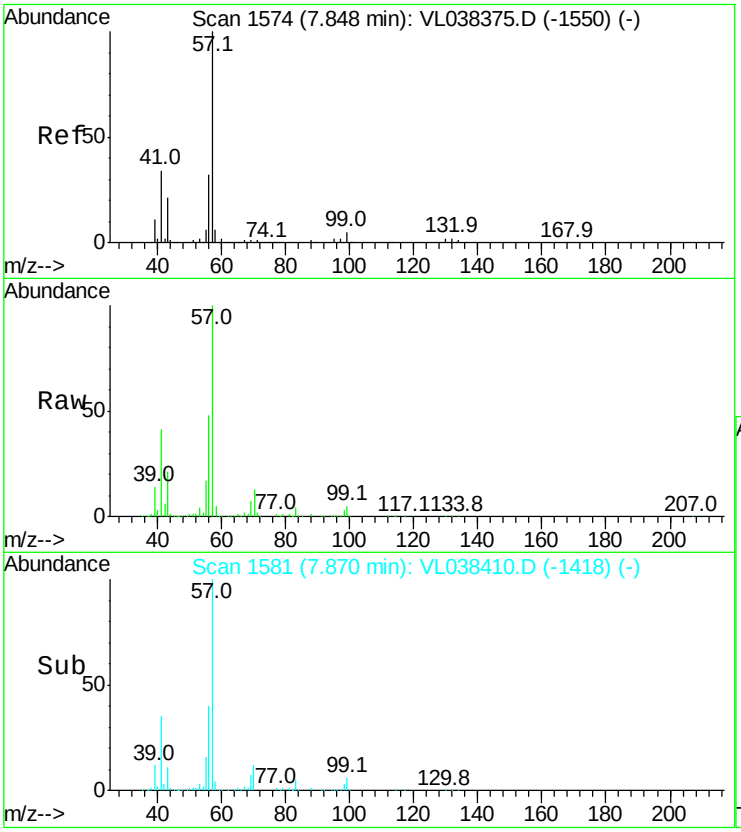




#42
Bromodichloromethane
Concen: 0.07 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 83 Resp: 12123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 0.0 | 52.2 | 78.4# |
| 127 | 0.0 | 6.2 | 9.4# |



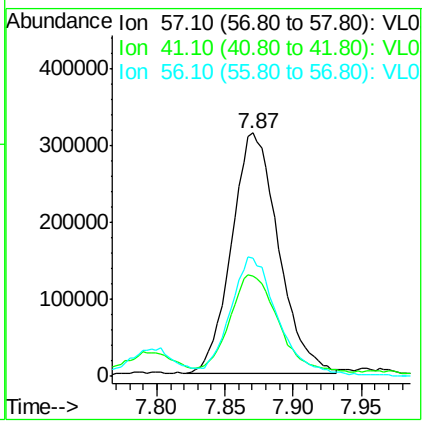


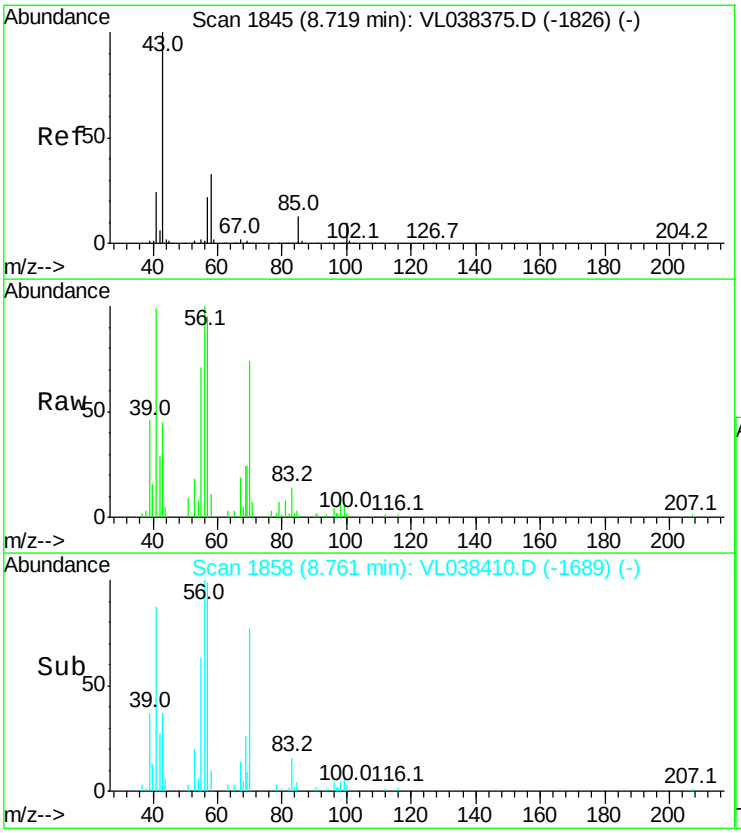

#44
2,2,4-Trimethylpentane
Concen: 2.10 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 57 Resp: 751956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 45.7 | 26.6 | 39.8# |
| 56 | 50.5 | 25.0 | 37.6# |

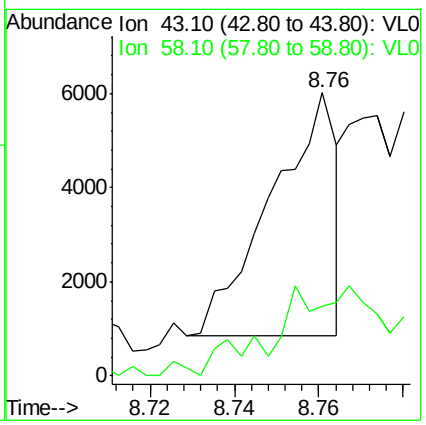


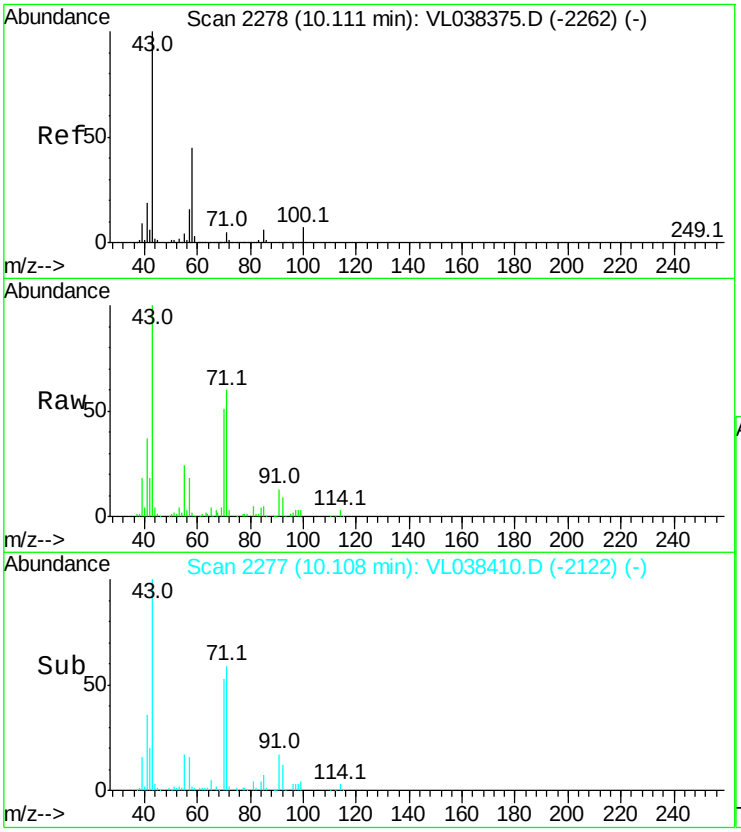




#50
4-Methyl-2-Pentanone
Concen: 0.04 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.04 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 43 Resp: 5542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 109.9 | 27.7 | 41.5# |



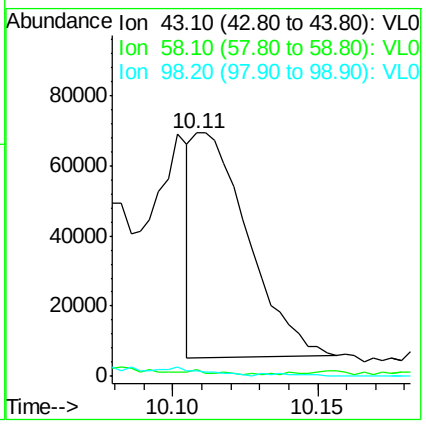


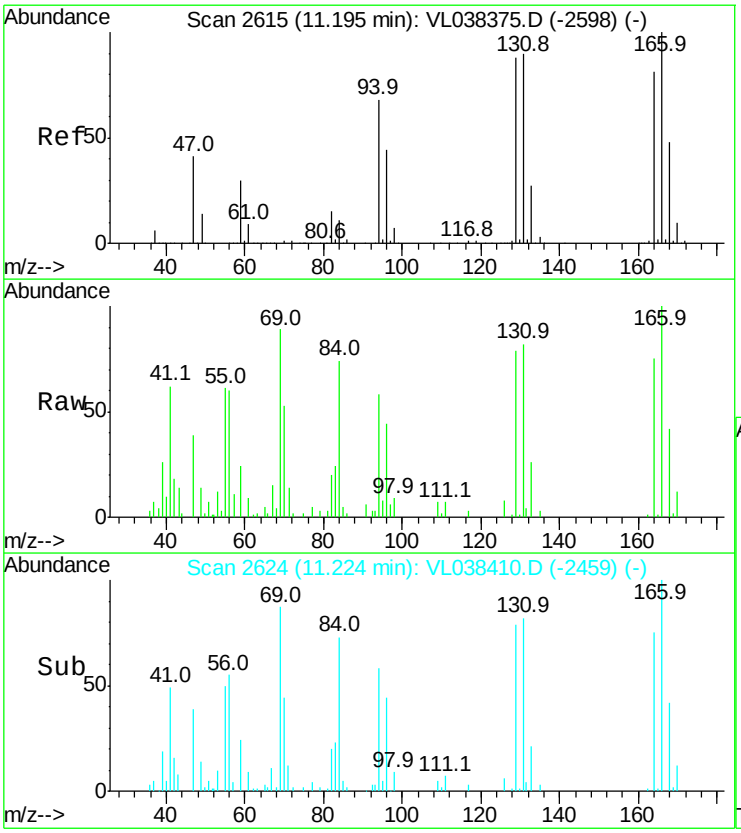

#51
2-Hexanone
Concen: 1.42 ppbv
RT: 10.11
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 43 Resp: 83851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 2.6 | 37.4 | 56.0# |
| 98 | 0.0 | 0.1 | 0.1# |

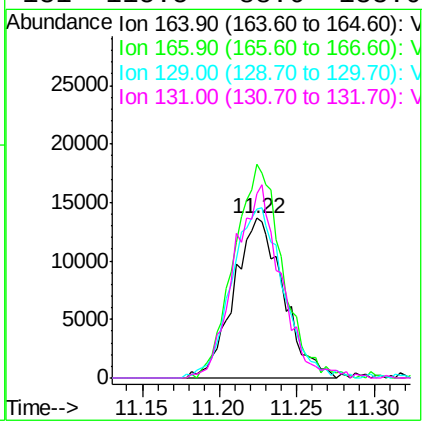


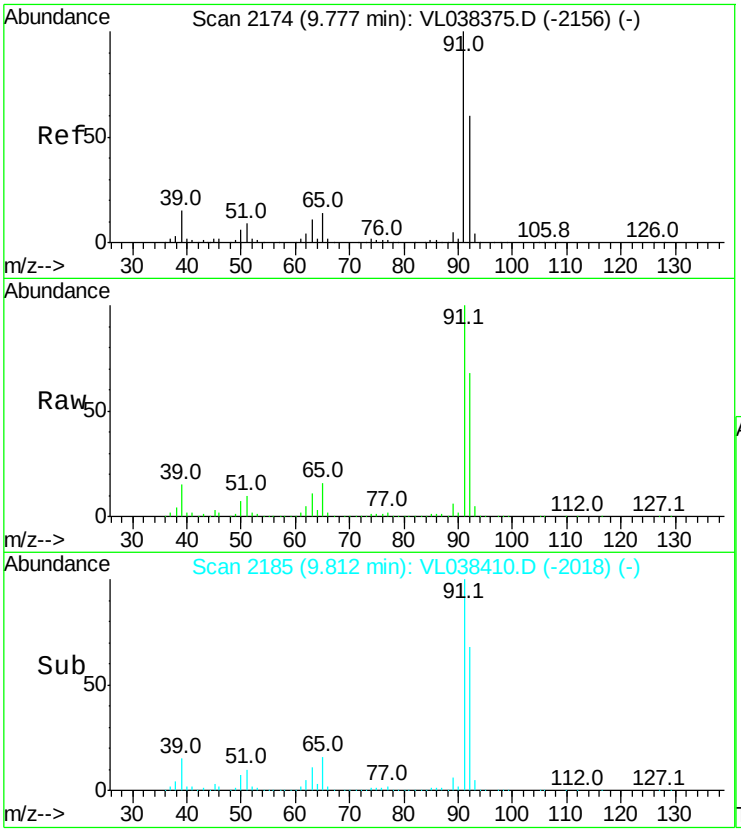




#52
Tetrachloroethene
Concen: 0.44 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:164 Resp: 30417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 133.7 | 98.6 | 148.0 |
| 129 | 102.9 | 86.9 | 130.3 |
| 131 | 115.5 | 88.6 | 133.0 |



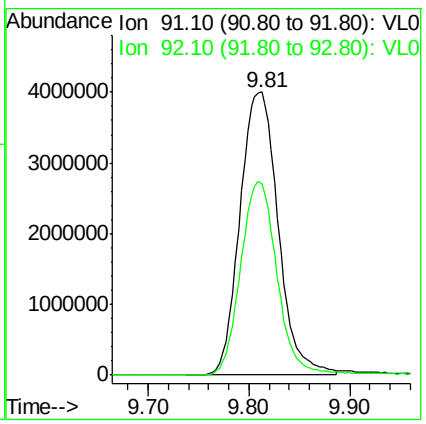


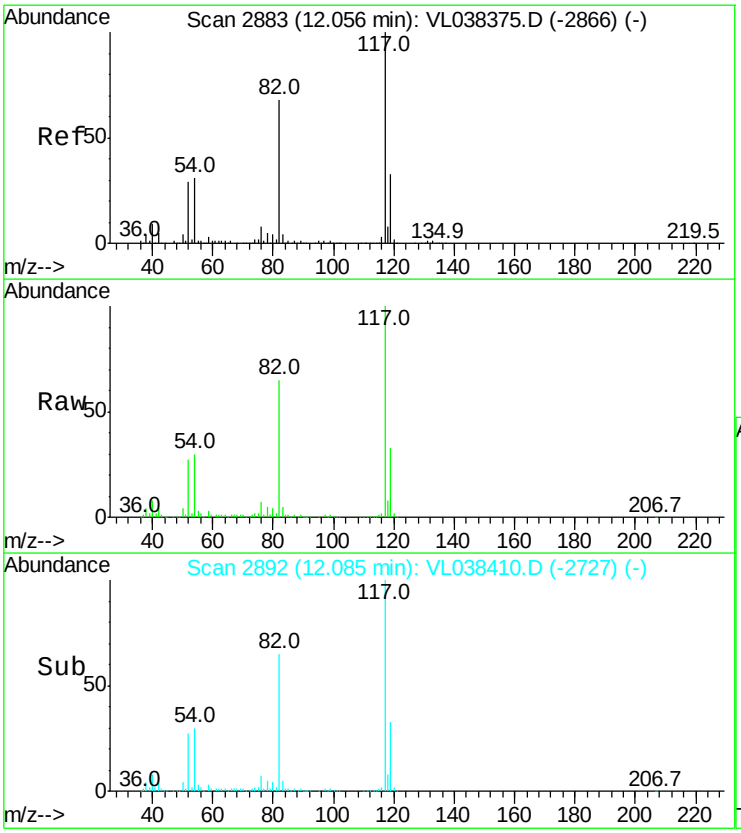

#53
Toluene
Concen: 46.36 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 91 Resp:10509885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 66.7 | 48.2 | 72.4 |

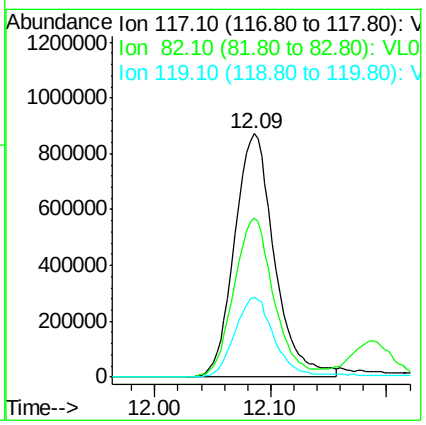


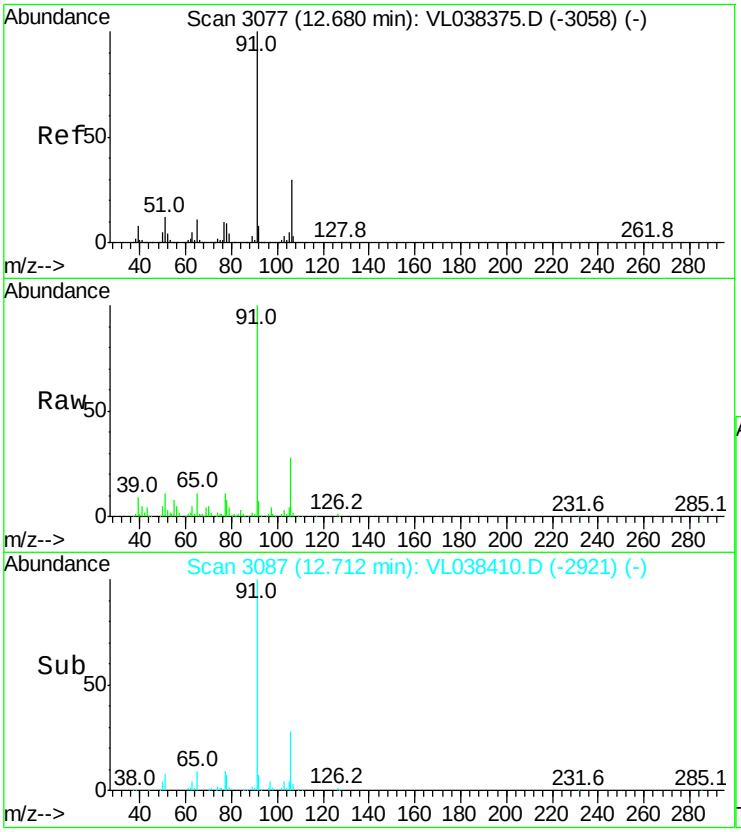




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:117 Resp: 2091844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 65.6 | 54.9 | 82.3 |
| 119 | 34.6 | 46.1 | 69.1# |



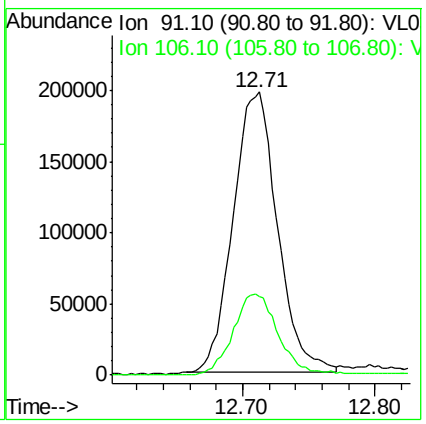


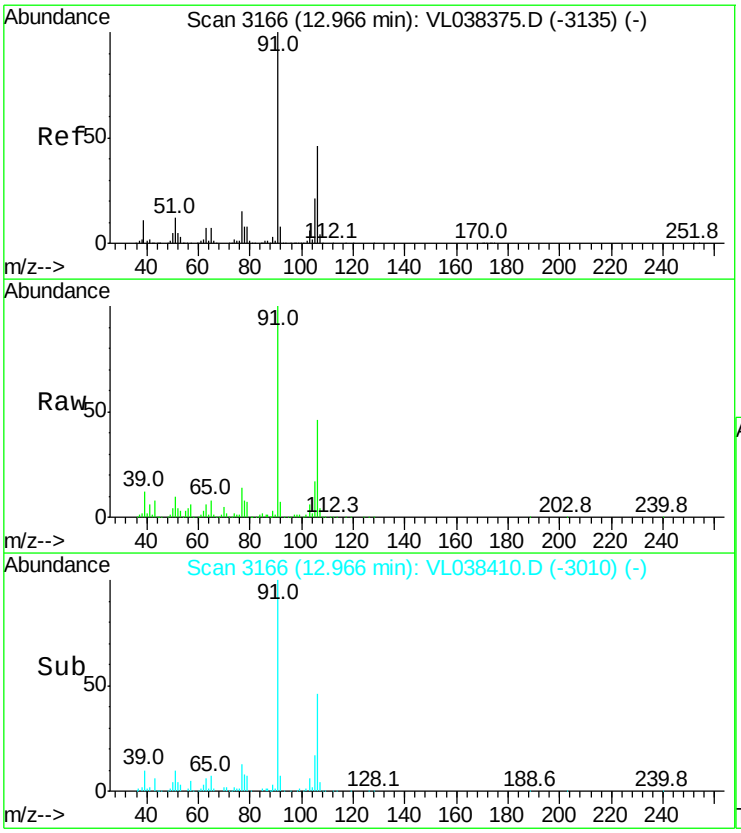

#58
Ethyl Benzene
Concen: 1.61 ppbv
RT: 12.71
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 91 Resp: 460238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.9 | 24.0 | 36.0 |

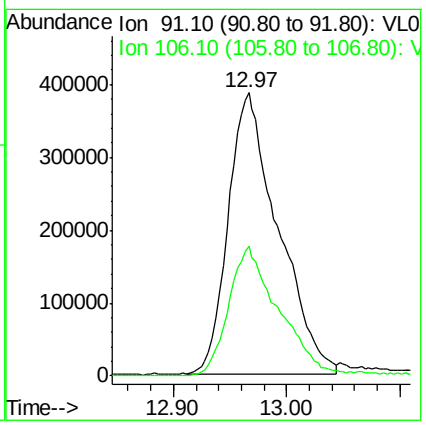


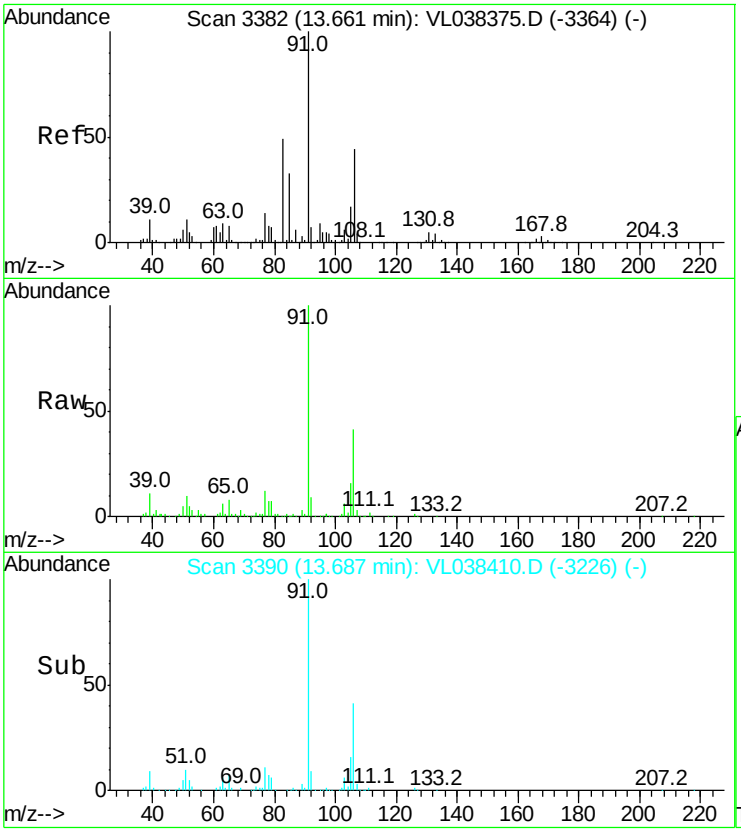




#59
m/p-Xylene
Concen: 4.81 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 91 Resp: 1181154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 46.5 | 34.4 | 51.6 |



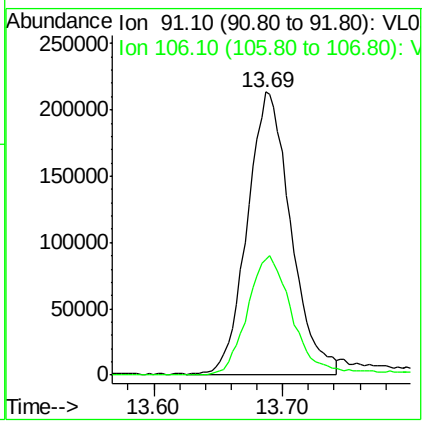


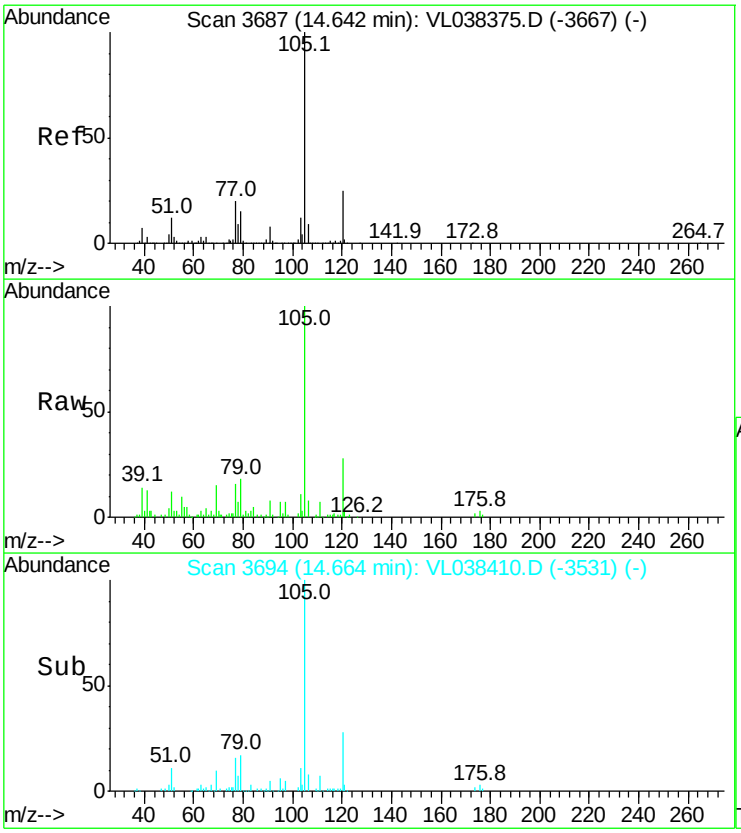

#60
o-Xylene
Concen: 2.15 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 91 Resp: 499129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 44.8 | 21.9 | 65.5 |

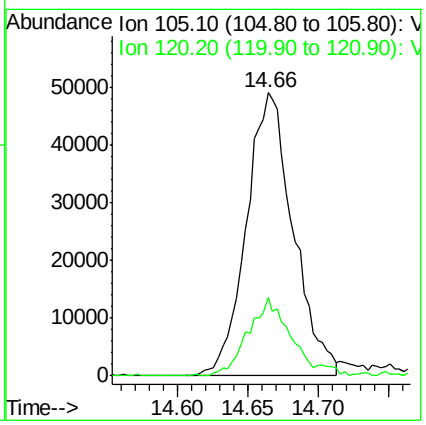


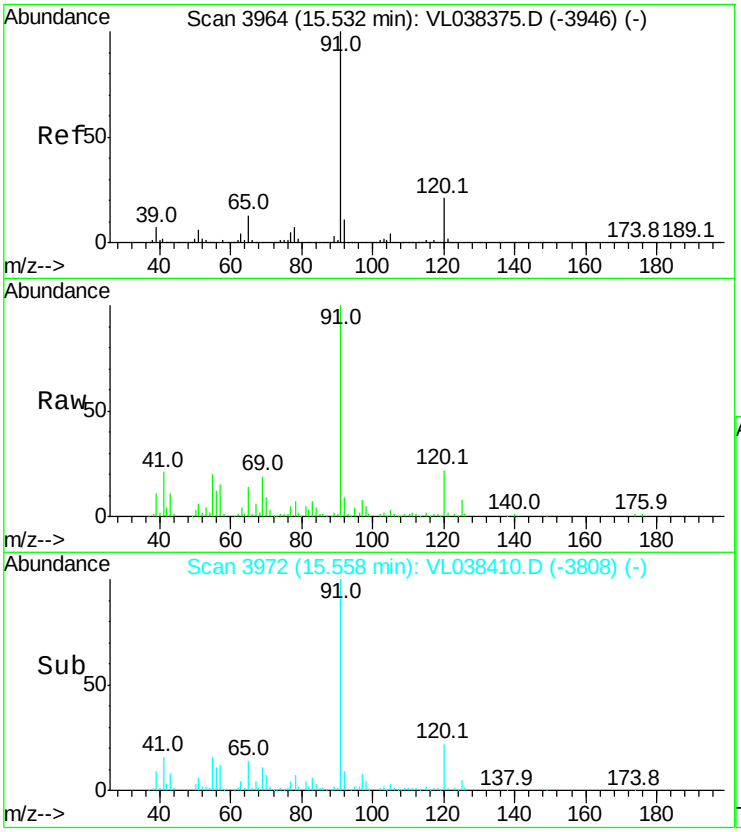




#62
Isopropylbenzene
Concen: 0.37 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.02 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:105 Resp: 113783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 20.6 | 30.8 |



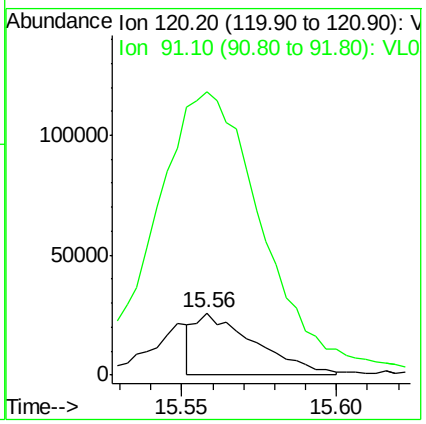


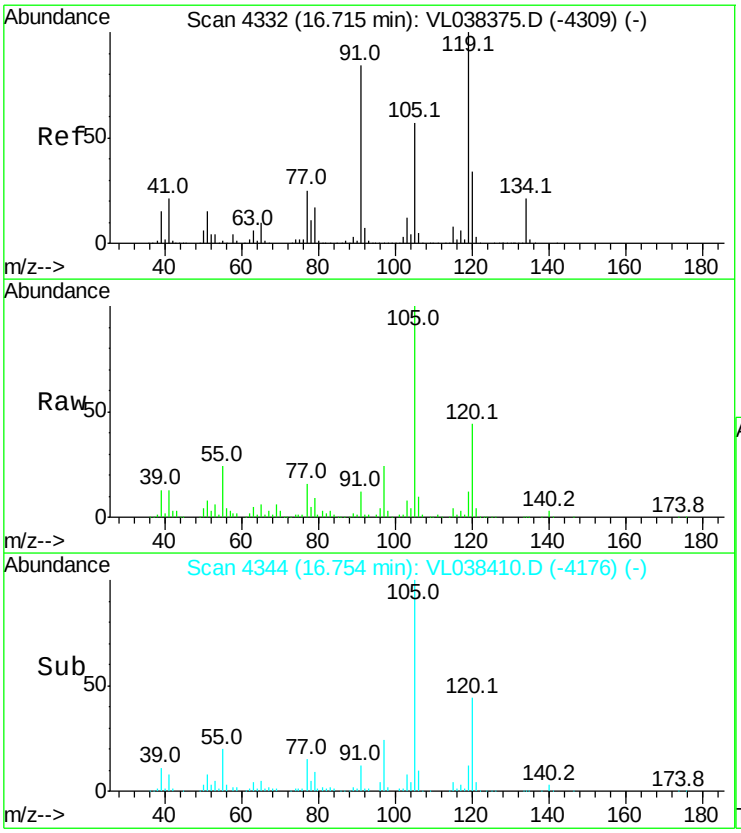

#64
n-propylbenzene
Concen: 0.45 ppbv
RT: 15.56
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:120 Resp: 34622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 874.4 | 388.1 | 582.1# |

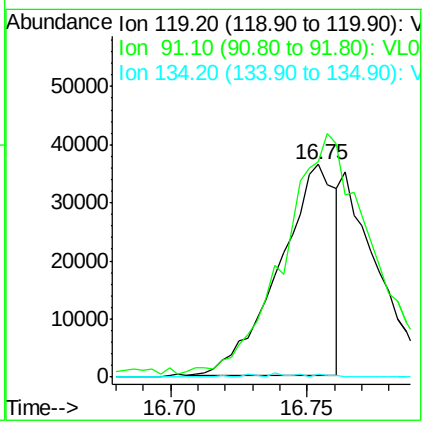


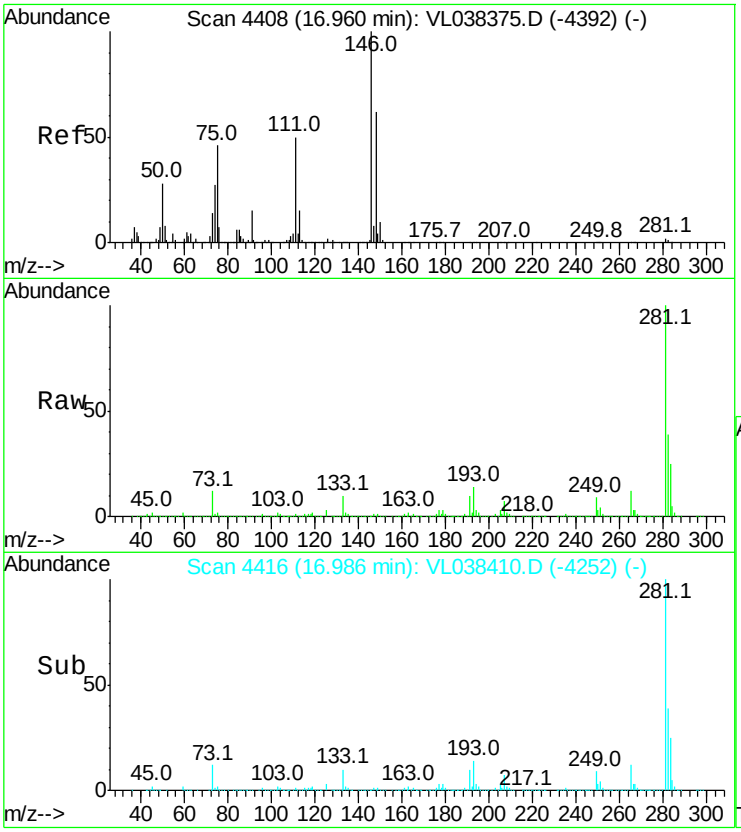




#65
tert-Butylbenzene
Concen: 0.19 ppbv
RT: 16.75 min Scan# 4344
Delta R.T. 0.04 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:119 Resp: 51712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 176.9 | 68.0 | 102.0# |
| 134 | 1.6 | 15.8 | 23.8# |



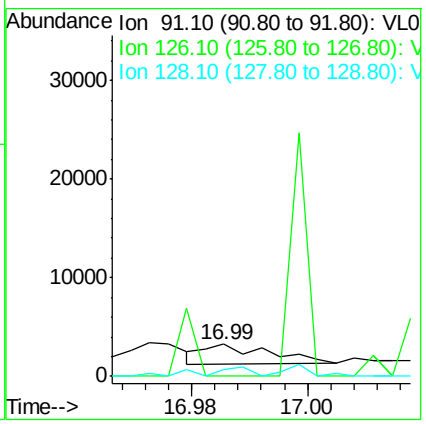


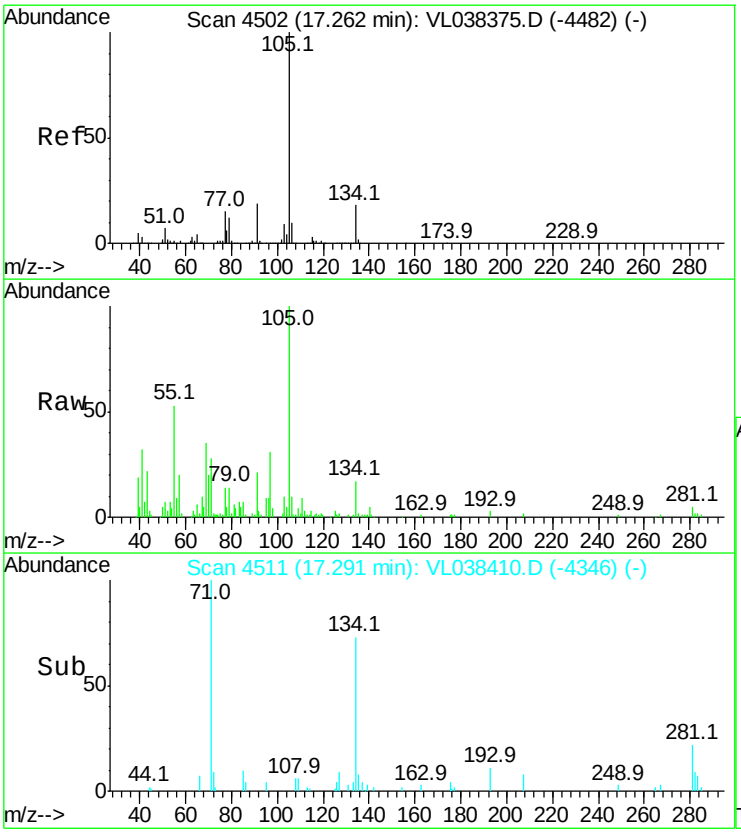

#66
Benzyl Chloride
Concen: 0.11 ppbv
RT: 16.99
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 91 Resp: 1570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 616.3 | 12.3 | 18.5# |
| 128 | 30.5 | 4.2 | 6.4# |

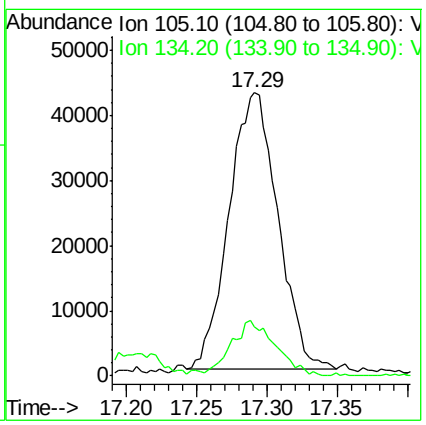


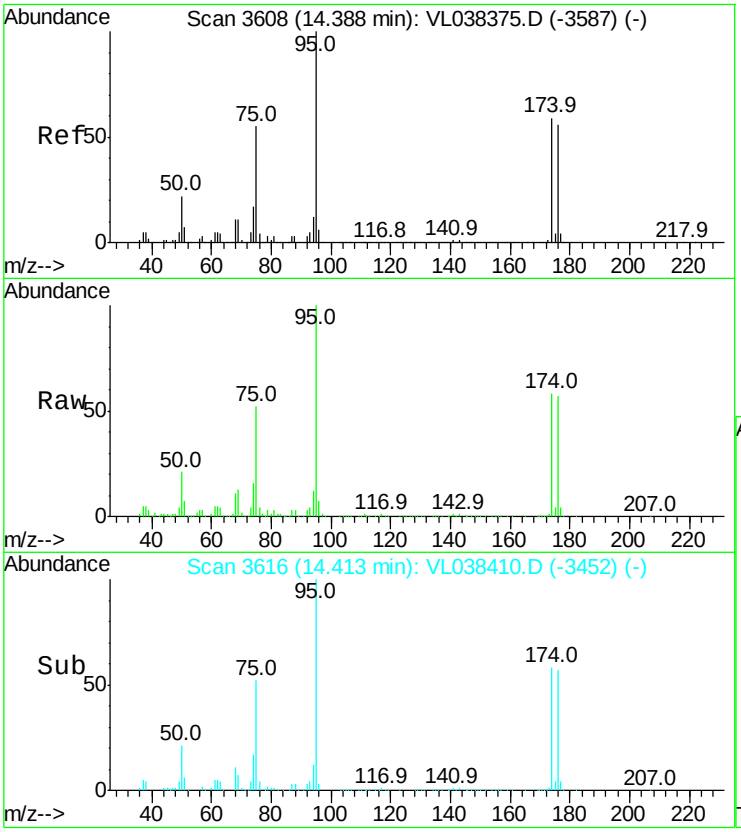




#67
sec-Butylbenzene
Concen: 0.27 ppbv
RT: 17.29 min Scan# 4511
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:105 Resp: 103290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.2 | 14.6 | 21.8 |



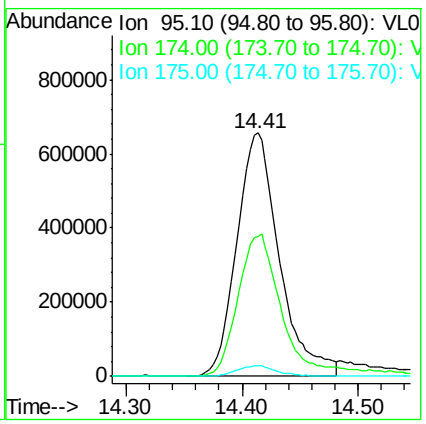


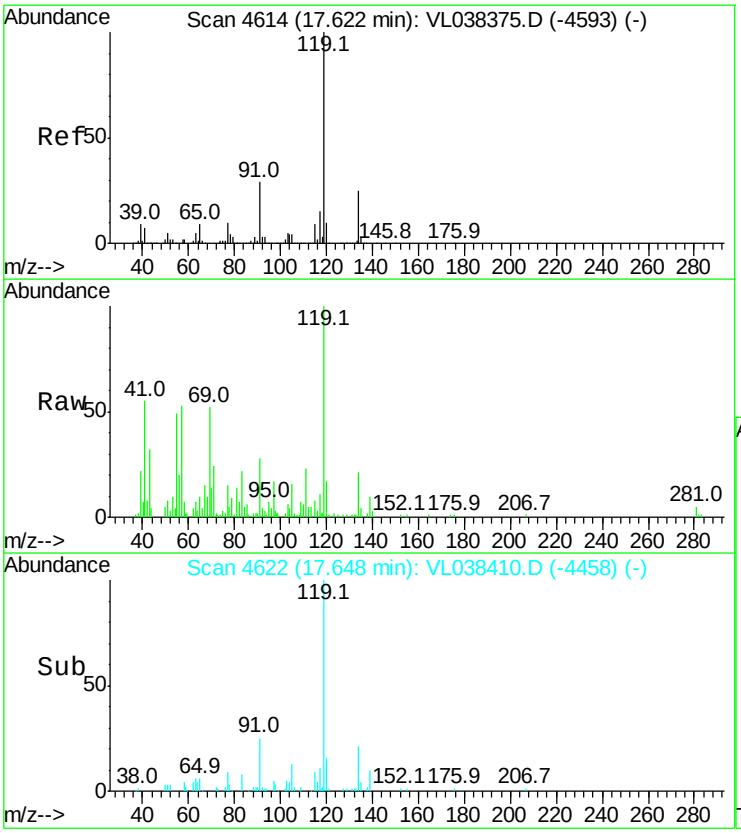

#68
1-Bromo-4-Fluorobenzene
Concen: 9.65 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 95 Resp: 1669775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.4 | 49.0 | 73.4 |
| 175 | 4.7 | 3.6 | 5.4 |

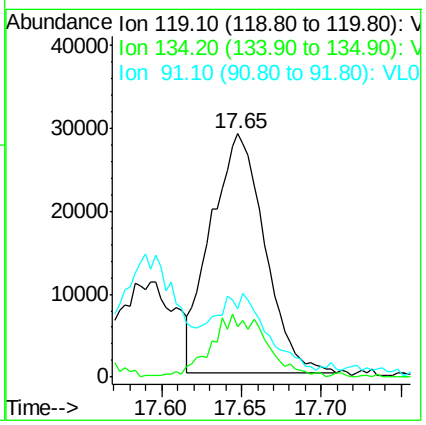


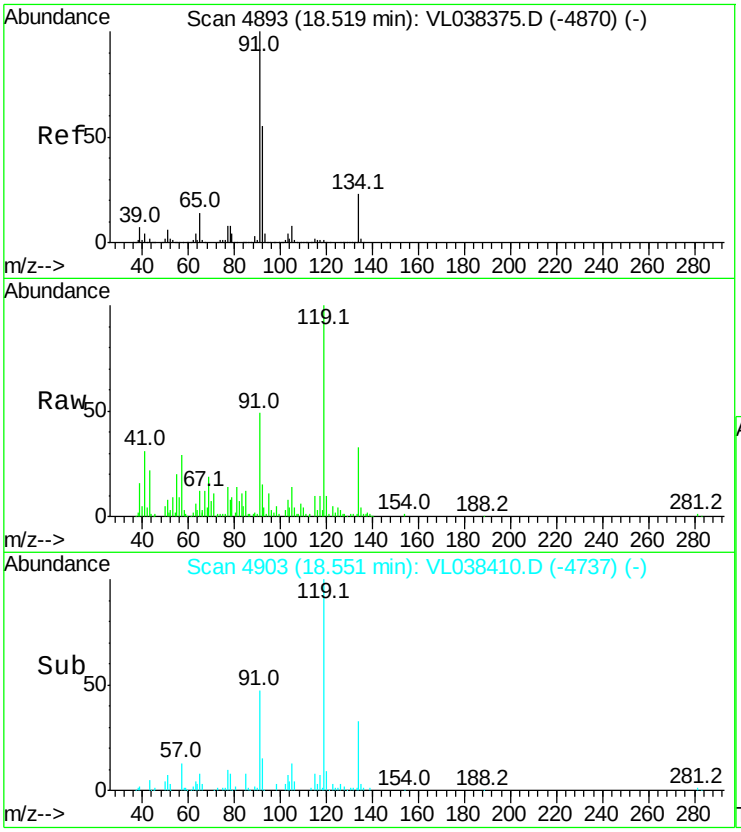




#69
p-Isopropyltoluene
Concen: 0.22 ppbv
RT: 17.65 min Scan# 4622
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:119 Resp: 66858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.9 | 20.4 | 30.6 |
| 91 | 30.9 | 23.8 | 35.8 |



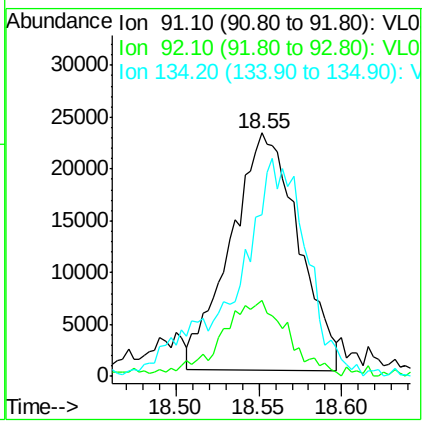


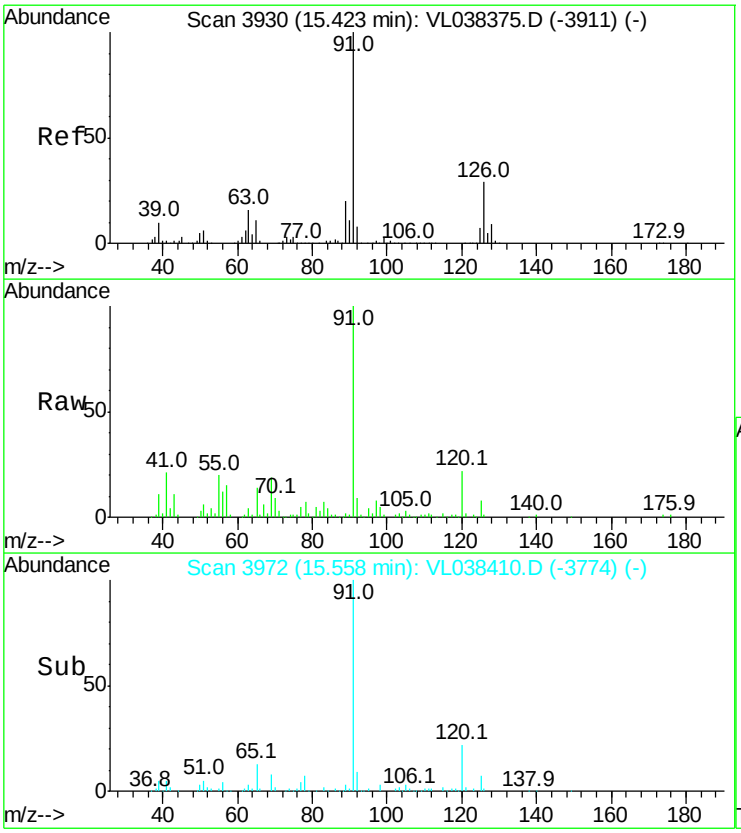

#70
n-Butylbenzene
Concen: 0.21 ppbv
RT: 18.55
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion: 91 Resp: 65255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 33.0 | 43.1 | 64.7# |
| 134 | 97.1 | 17.4 | 26.0# |

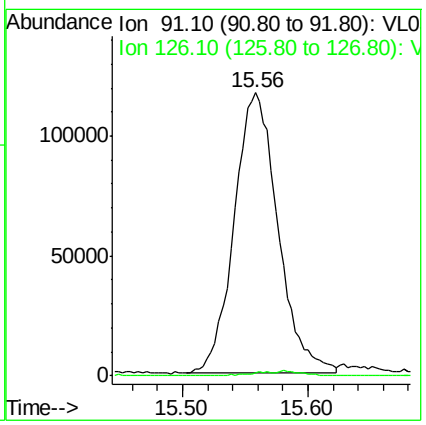


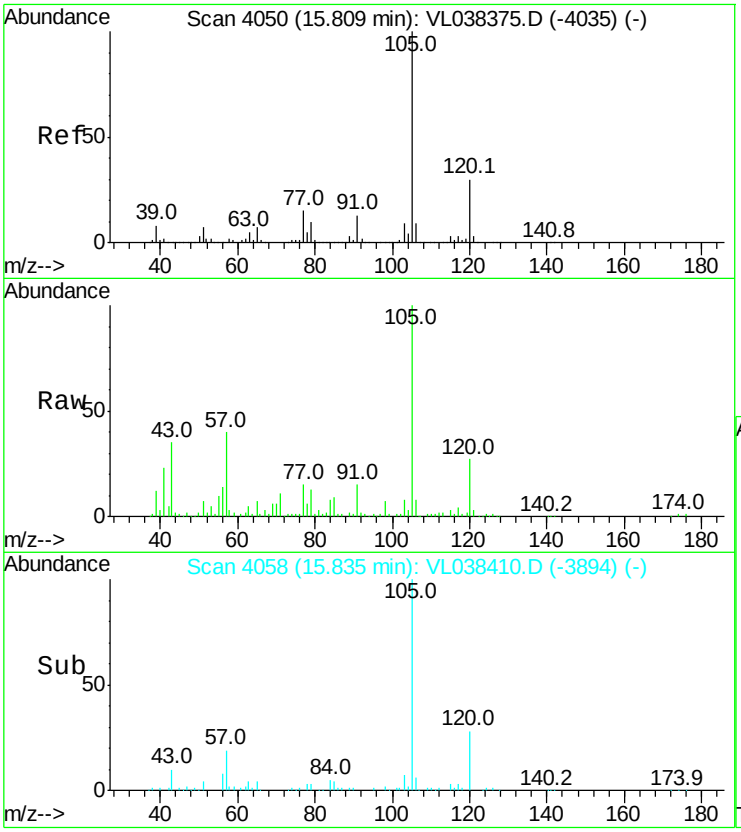




#71
2-Chlorotoluene
Concen: 1.18 ppbv
RT: 15.56 min Scan# 3972
Delta R.T. 0.14 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion: 91 Resp: 283616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 1.9 | 11.9 | 47.7# |



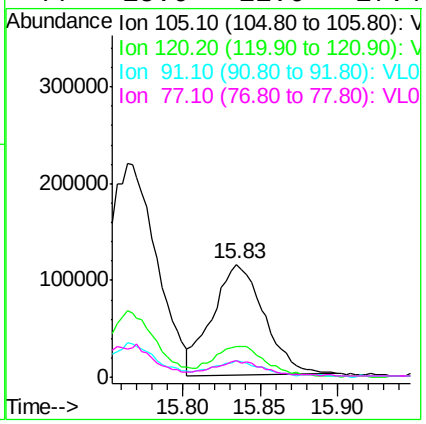


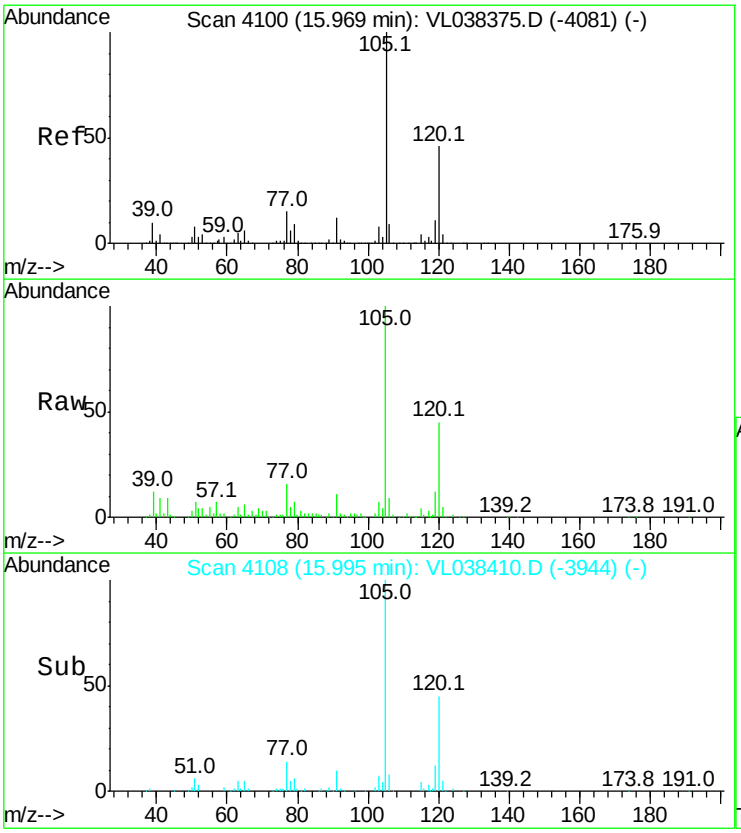

#72
4-Ethyltoluene
Concen: 1.04 ppbv
RT: 15.83
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:105 Resp: 265633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 29.4 | 23.4 | 35.2 |
| 91 | 13.2 | 10.4 | 15.6 |
| 77 | 15.6 | 11.6 | 17.4 |

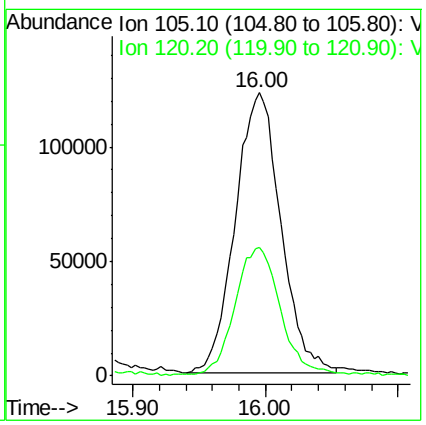


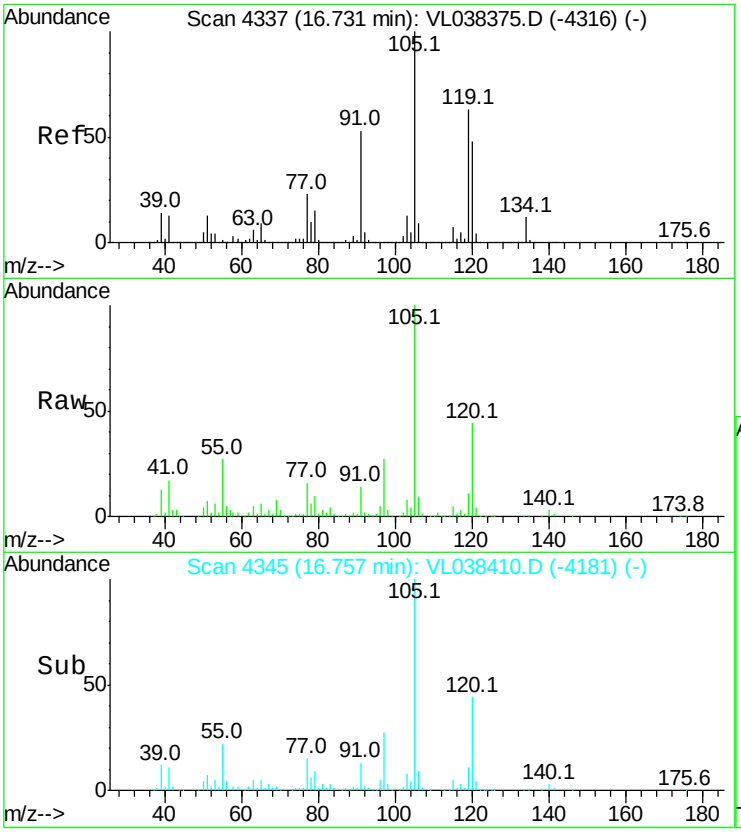




#73
1,3,5-Trimethylbenzene
Concen: 1.26 ppbv
RT: 16.00 min Scan# 4108
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:105 Resp: 292585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.8 | 36.6 | 55.0 |



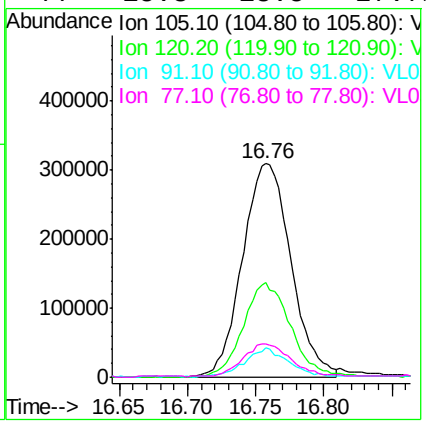


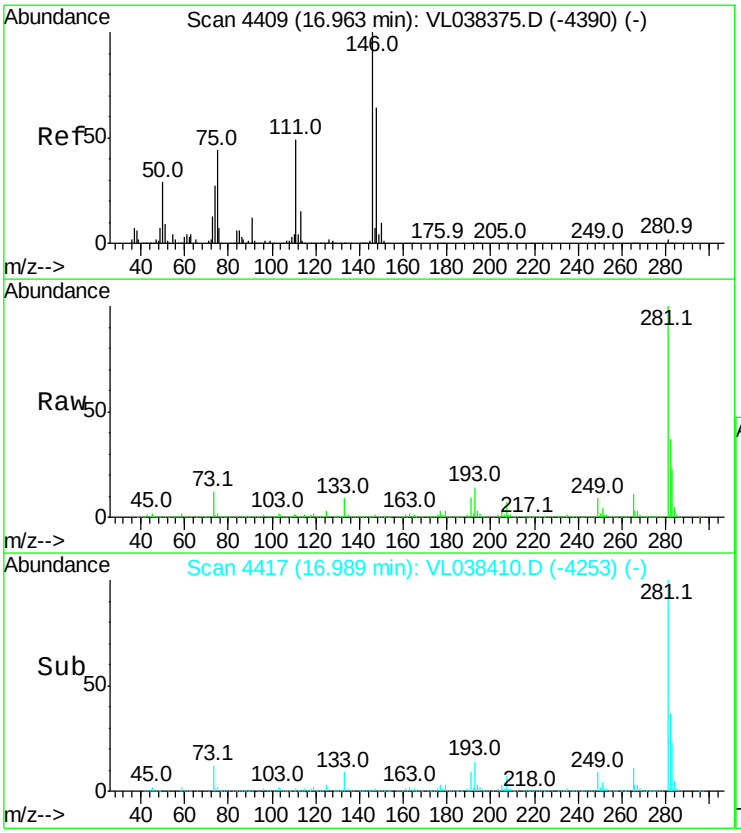

#74
1,2,4-Trimethylbenzene
Concen: 3.10 ppbv
RT: 16.76
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:105 Resp: 760434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 38.2 | 57.4 |
| 91 | 13.1 | 42.7 | 64.1# |
| 77 | 15.3 | 18.5 | 27.7# |

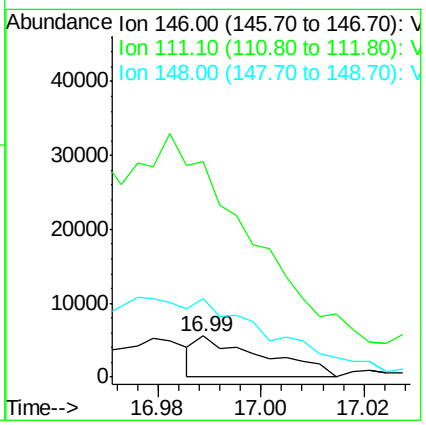


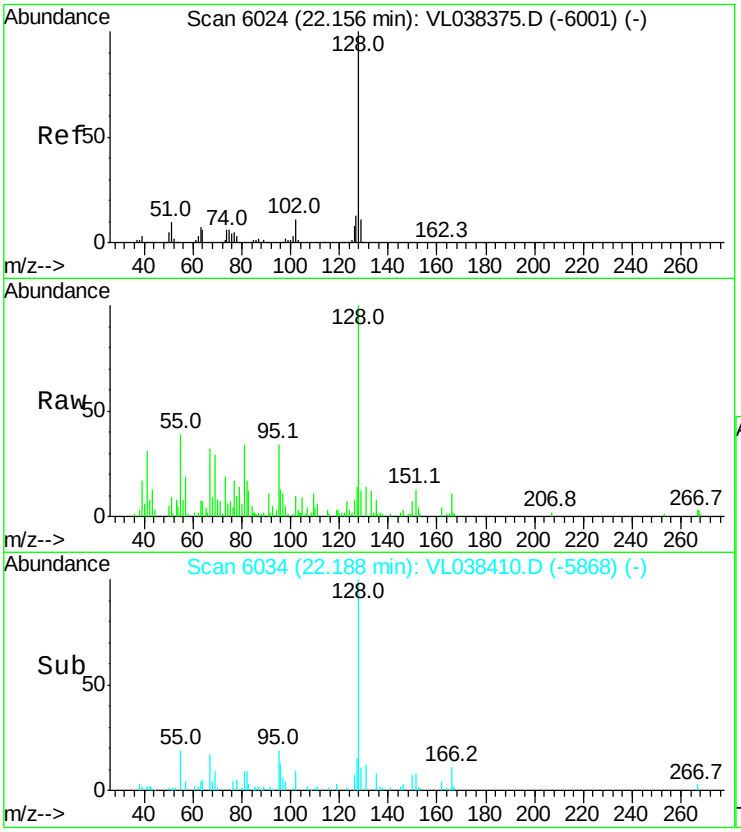




#75
1,3-Dichlorobenzene
Concen: 0.04 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. 0.03 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:146 Resp: 4956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 24.3 | 72.9# |
| 148 | 0.0 | 32.0 | 96.0# |



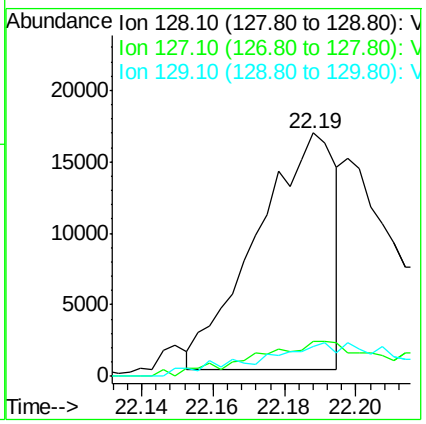


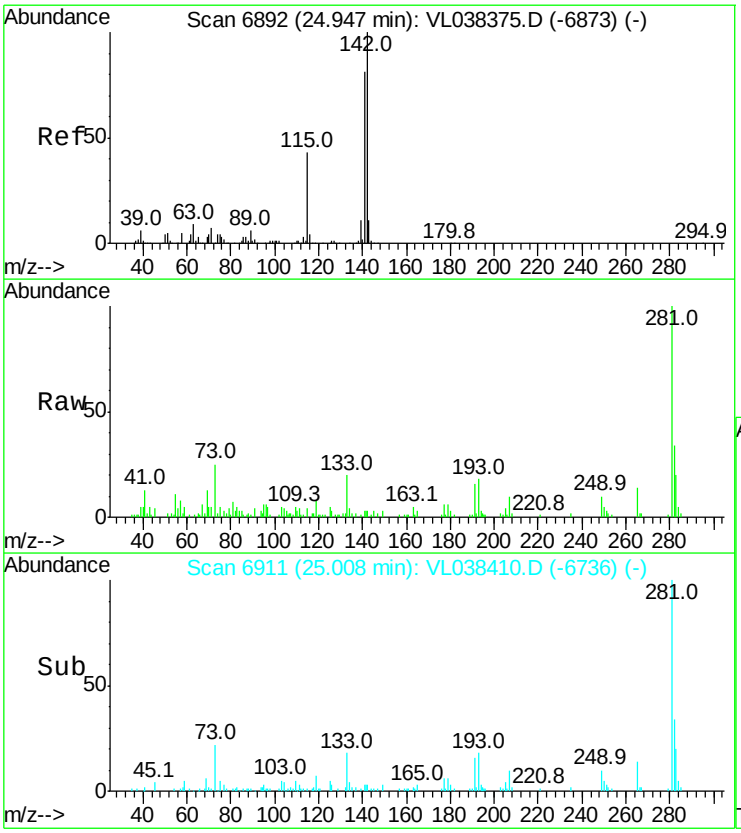

#79
Naphthalene
Concen: 0.19 ppbv
RT: 22.19
Delta R.T
Lab File:
Acq: 23 Feb 2022 16:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
MP-12

Tgt Ion:128 Resp: 25179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 10.7 | 16.1 |
| 129 | 9.8 | 8.8 | 13.2 |




#80
Naphthalene,2-methyl-
Concen: 0.06 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.06 min
Lab File: VL038410.D
Acq: 23 Feb 2022 16:14

Tgt Ion:142 Resp: 1631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.2 | 69.8 | 104.6 |
| 115 | 152.4 | 33.0 | 49.6# |