Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039723.D
Acq On : 17 Oct 2022 17:25
Operator : SY/AP
Sample : N5169-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Quant Time: Oct 18 05:27:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Bromochloromethane | 5.230 | 49 | 980628 | 10.000 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 6.690 | 114 | 2655403 | 10.000 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 11.494 | 117 | 2387537 | 10.000 | ppbv | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 13.805 | 95 | 1705757 | 9.571 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 95.700% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.767 | 85 | 8222 | 0.072 | ppbv | | 93 |
| 3) Chlorodifluoromethane | 2.713 | 51 | 6928 | 0.060 | ppbv | # | 76 |
| 4) Chloromethane | 2.857 | 50 | 3143 | 0.045 | ppbv | # | 68 |
| 9) Propene | 2.745 | 41 | 19584 | 0.368 | ppbv | | 88 |
| 13) Ethanol | 3.291 | 45 | 12570 | 3.104 | ppbv | | 80 |
| 15) Acetone | 3.520 | 43 | 87039 | 0.798 | ppbv | | 93 |
| 20) Methylene Chloride | 3.973 | 84 | 48086 | 0.953 | ppbv | # | 91 |
| 25) Ethyl Acetate | 5.256 | 43 | 16566 | 0.070 | ppbv | # | 87 |
| 26) Hexane | 5.253 | 57 | 39841 | 0.395 | ppbv | # | 44 |
| 36) Benzene | 6.410 | 78 | 11275 | 0.056 | ppbv | # | 84 |
| 39) 1,2-Dichloropropane | 6.687 | 63 | 637698 | 8.135 | ppbv | # | 25 |
| 52) Tetrachloroethene | 10.648 | 164 | 149442 | 1.929 | ppbv | | 89 |
| 53) Toluene | 9.256 | 91 | 21397 | 0.095 | ppbv | # | 31 |
| 59) m/p-Xylene | 12.407 | 91 | 11508 | 0.047 | ppbv | # | 32 |

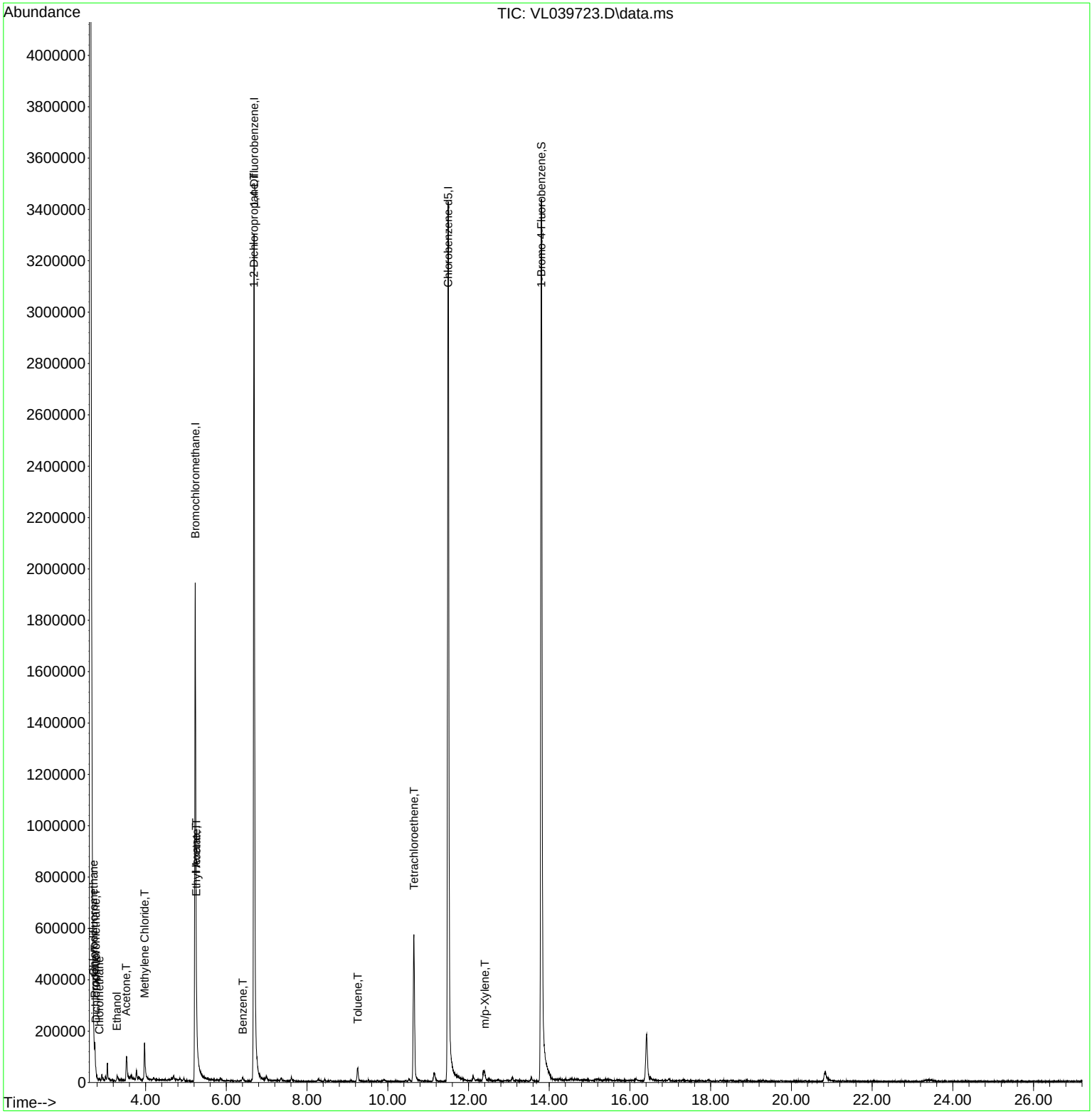
(#) = qualifier out of range (m) = manual integration (+) = signals summed

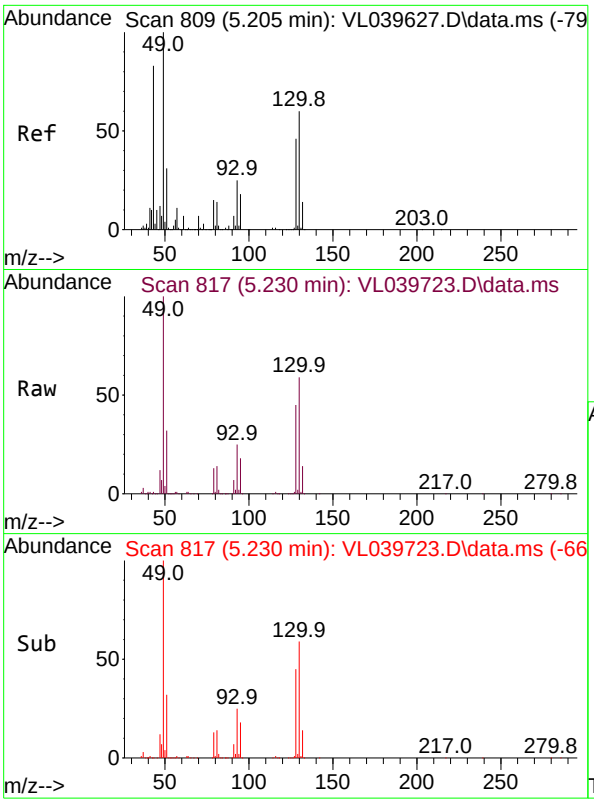
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039723.D
Acq On : 17 Oct 2022 17:25
Operator : SY/AP
Sample : N5169-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Quant Time: Oct 18 05:27:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration



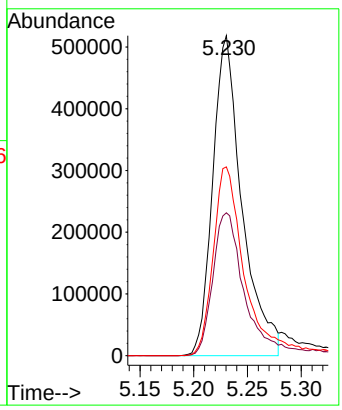


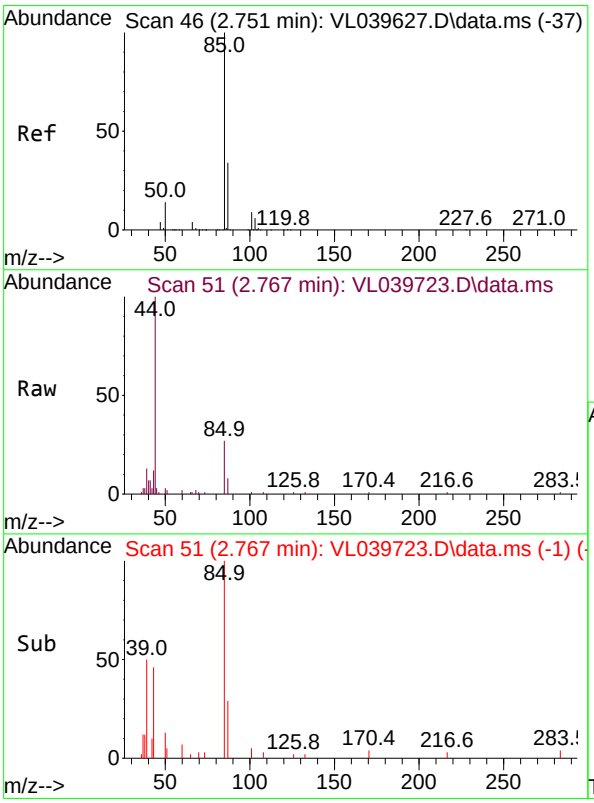

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.230 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 49 Resp: 980628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 51.5 | 26.7 | 80.0 |
| 130 | 66.9 | 34.3 | 102.8 |

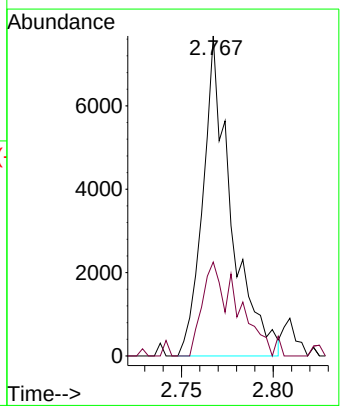


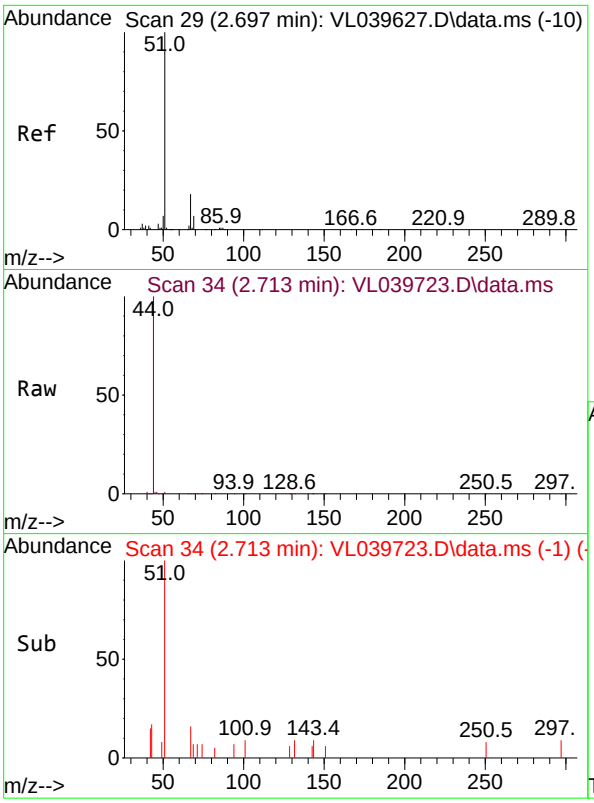




#2
Dichlorodifluoromethane
Concen: 0.072 ppbv
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 85 Resp: 8222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.4 | 26.7 | 40.1 |



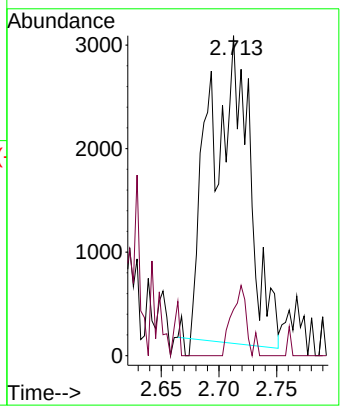


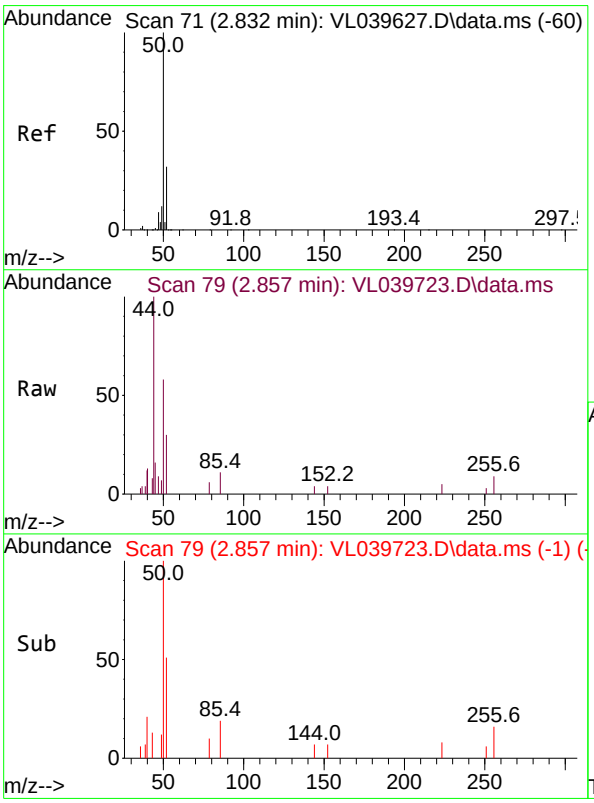

#3
Chlorodifluoromethane
Concen: 0.060 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 51 Resp: 6928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 8.8 | 15.7 | 23.5# |

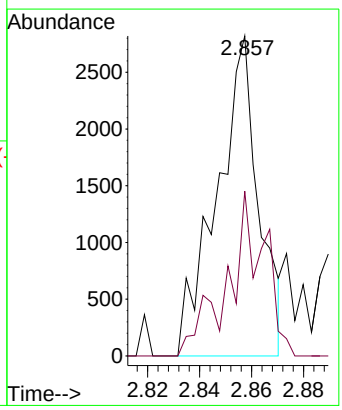


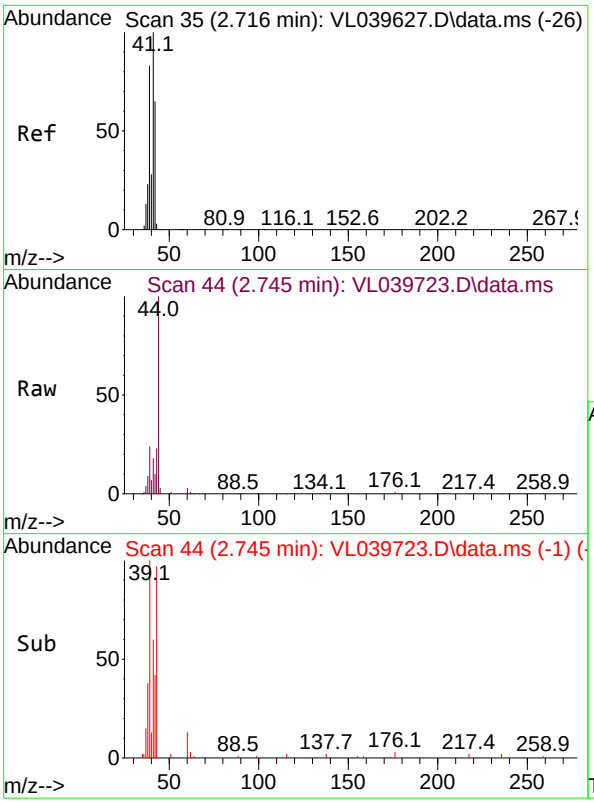




#4
Chloromethane
Concen: 0.045 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.006 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 50 Resp: 3143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 51.5 | 26.5 | 39.7# |



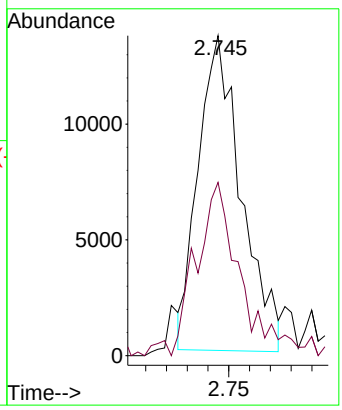


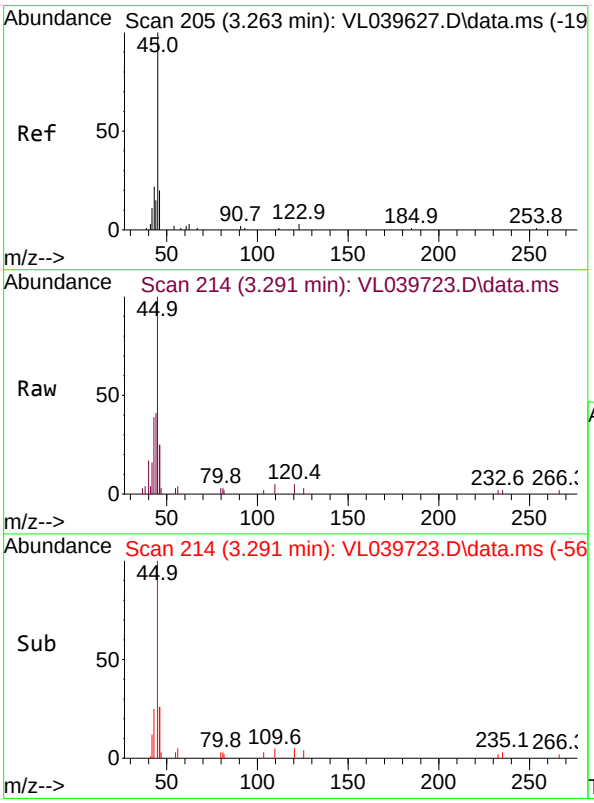

#9
Propene
Concen: 0.368 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 41 Resp: 19584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 59.3 | 55.2 | 82.8 |

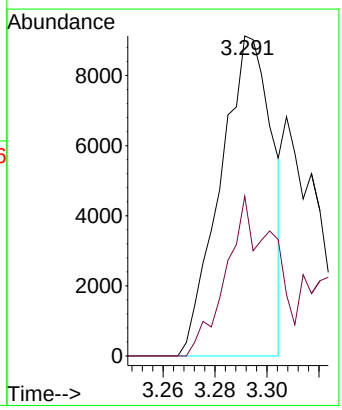


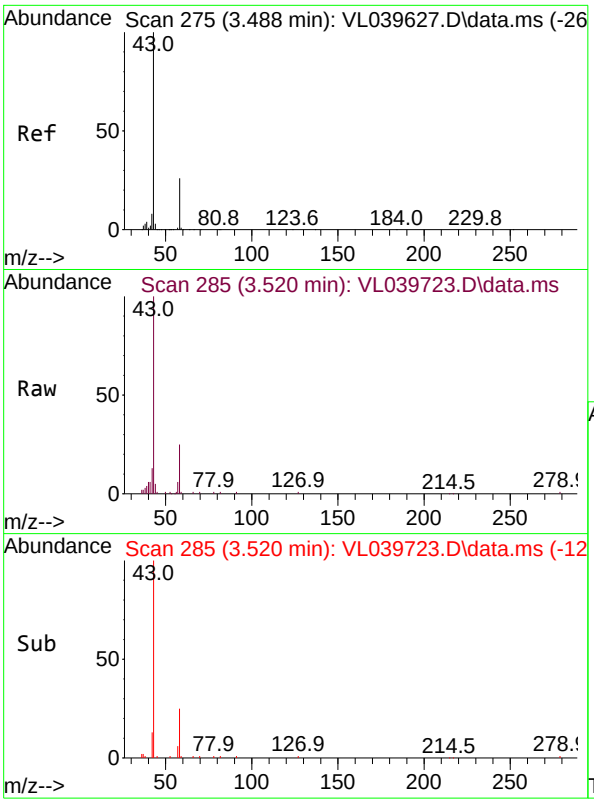




#13
Ethanol
Concen: 3.104 ppbv
RT: 3.291 min Scan# 214
Delta R.T. 0.009 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 45 Resp: 12570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 71.7 | 22.8 | 91.2 |



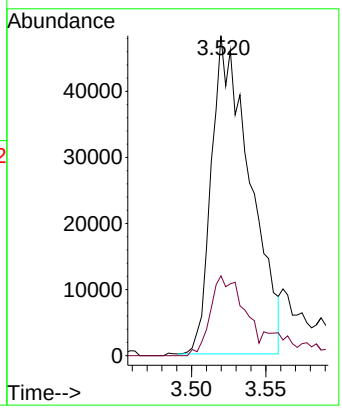


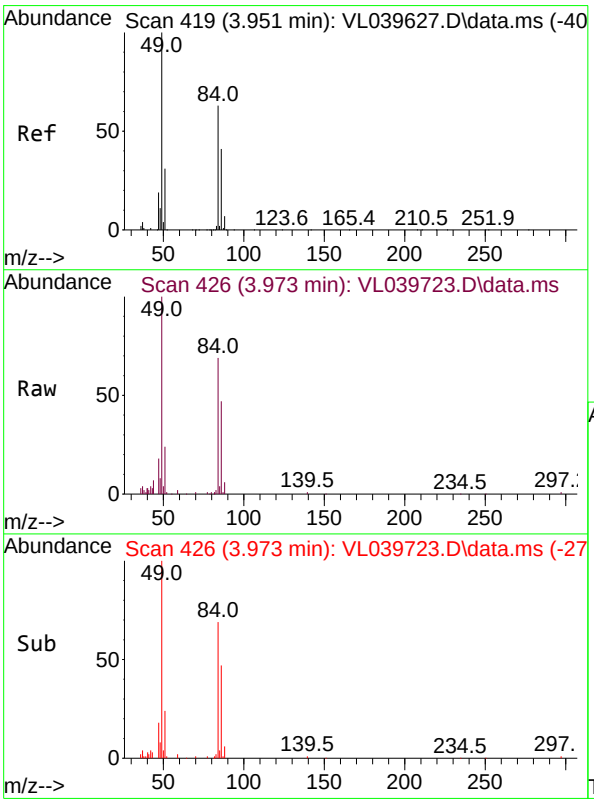

#15
Acetone
Concen: 0.798 ppbv
RT: 3.520 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 43 Resp: 87039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 21.0 | 31.6 |

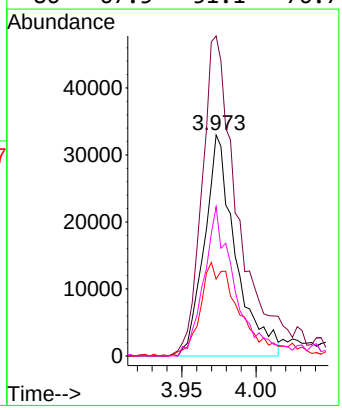


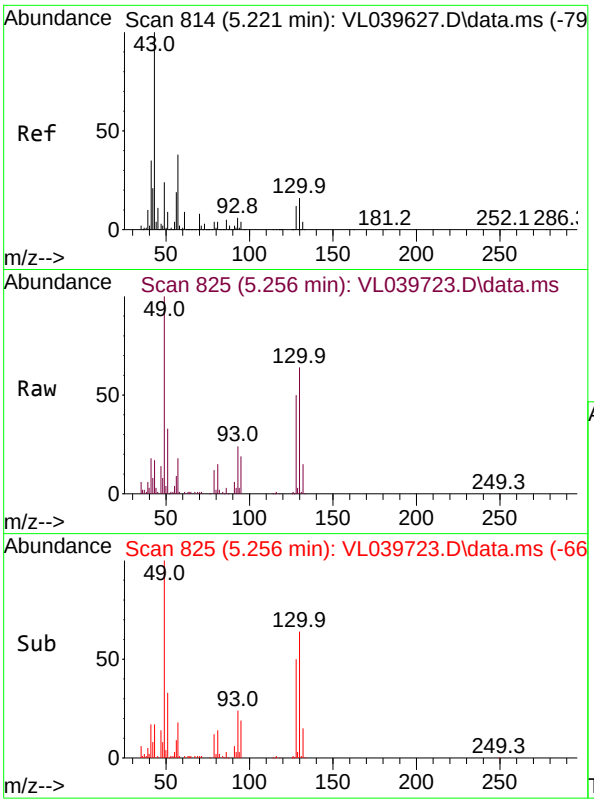




#20
Methylene Chloride
Concen: 0.953 ppbv
RT: 3.973 min Scan# 426
Delta R.T. 0.003 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 84 Resp: 48086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 141.9 | 123.1 | 184.7 |
| 51 | 32.8 | 34.4 | 51.6# |
| 86 | 67.5 | 51.1 | 76.7 |



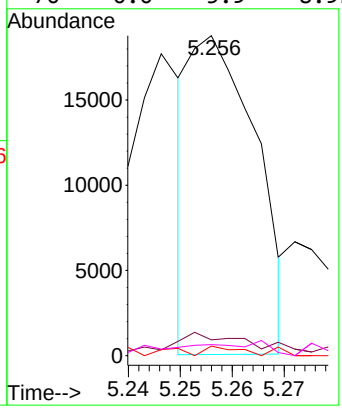


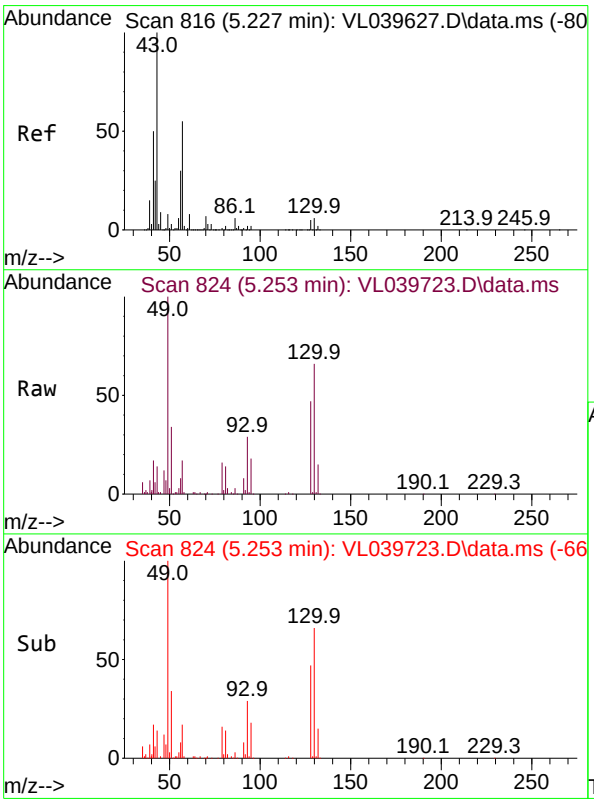

#25
Ethyl Acetate
Concen: 0.070 ppbv
RT: 5.256 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 43 Resp: 16566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 11.4 | 8.2 | 12.4 |
| 61 | 4.0 | 8.3 | 12.5# |
| 70 | 0.0 | 5.9 | 8.9# |

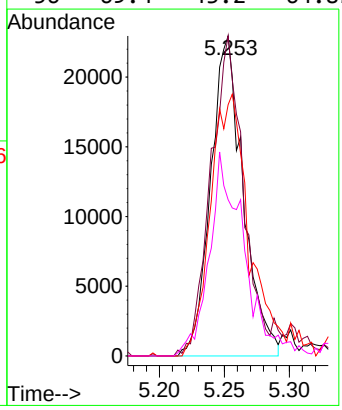


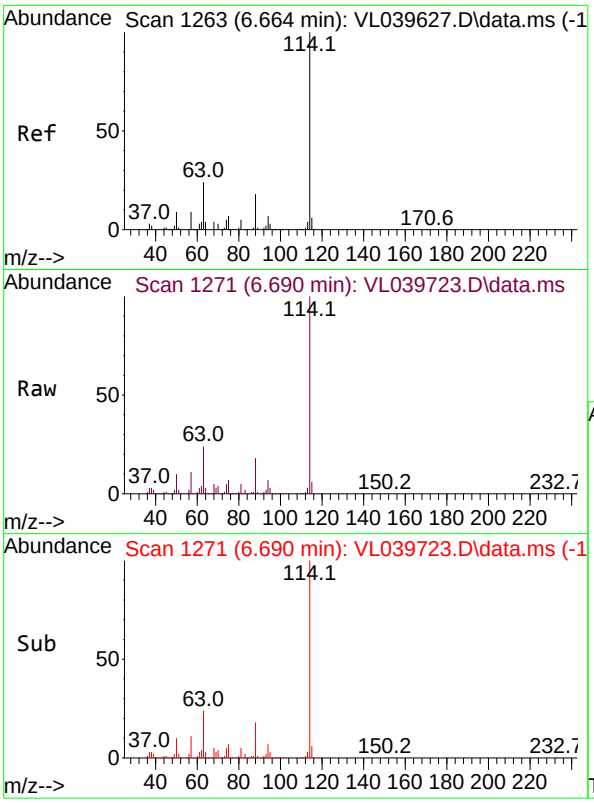




#26
Hexane
Concen: 0.395 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.006 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 57 Resp: 39841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 109.0 | 76.9 | 115.3 |
| 43 | 100.6 | 191.0 | 286.6# |
| 56 | 69.4 | 43.2 | 64.8# |



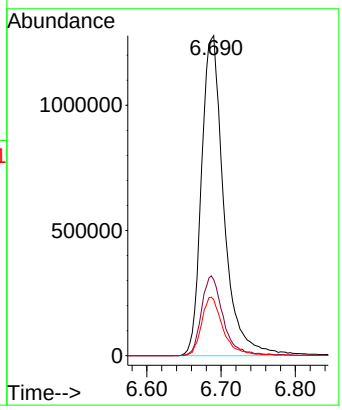


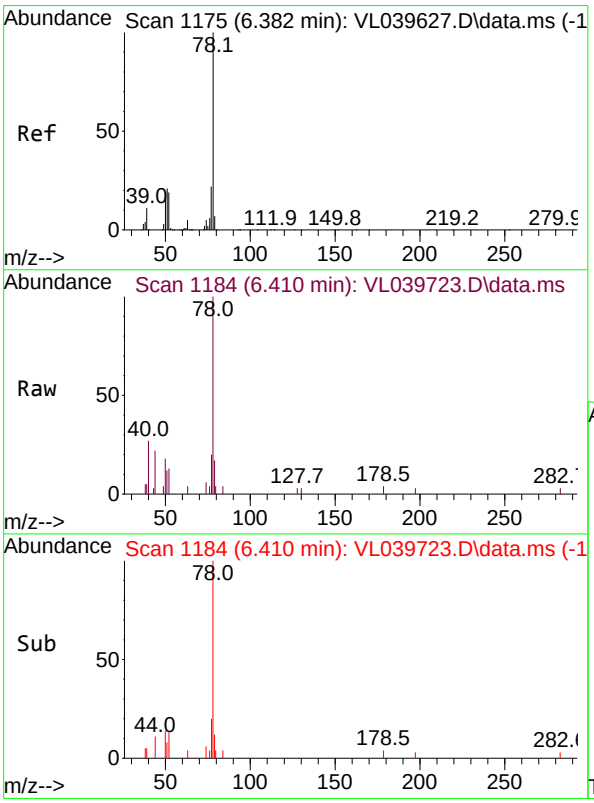

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.690 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion:114 Resp: 2655403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.8 | 20.2 | 30.4 |
| 88 | 17.9 | 14.5 | 21.7 |

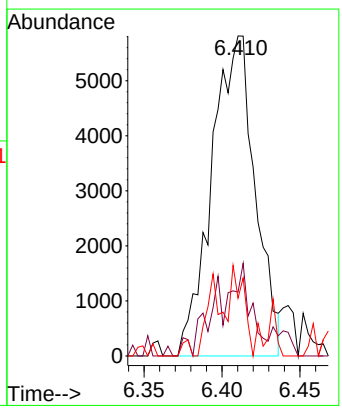


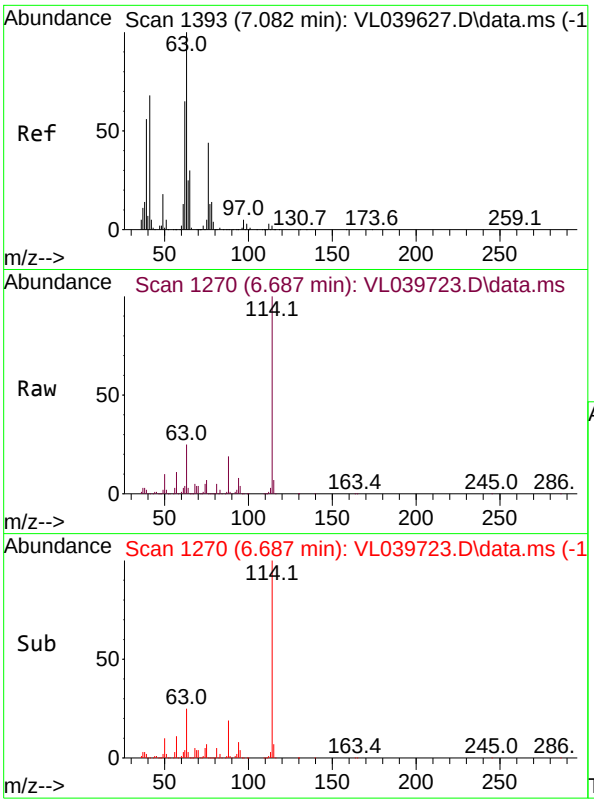




#36
Benzene
Concen: 0.056 ppbv
RT: 6.410 min Scan# 1184
Delta R.T. 0.009 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 78 Resp: 11275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 20.0 | 20.3 | 30.5# |
| 50 | 30.2 | 15.5 | 23.3# |



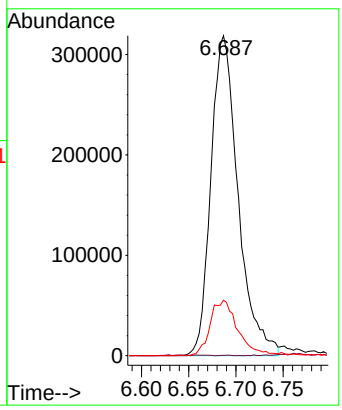


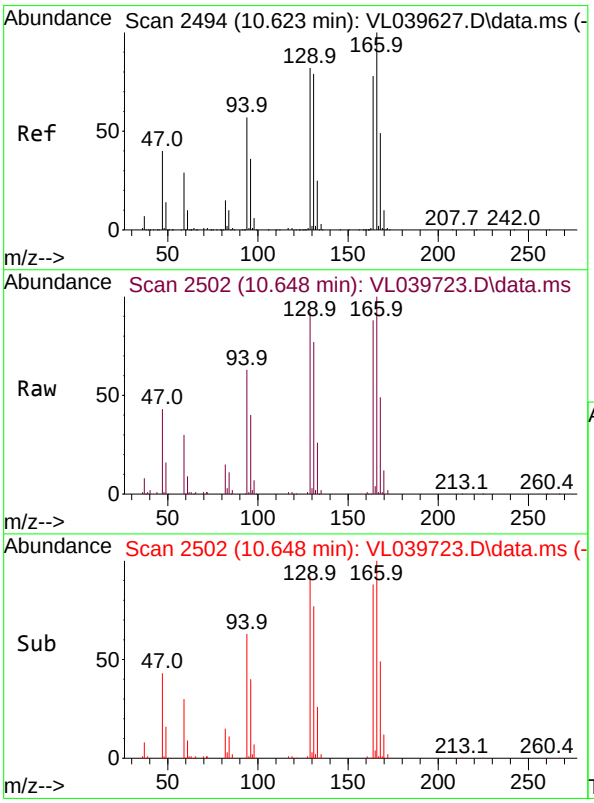

#39
1,2-Dichloropropane
Concen: 8.135 ppbv
RT: 6.687 min Scan# 1
Delta R.T. -0.418 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 63 Resp: 637698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 59.6 | 89.4# |
| 62 | 17.3 | 51.4 | 77.0# |

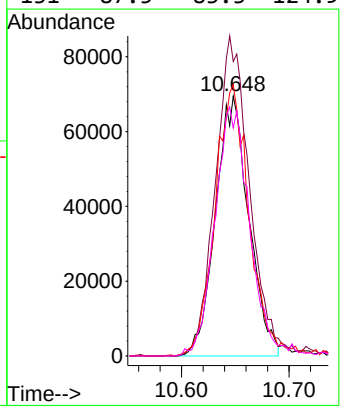


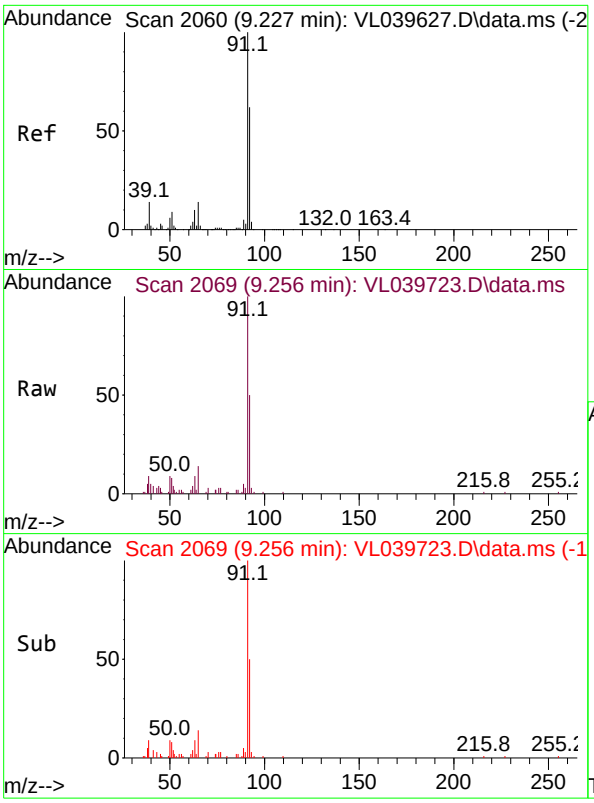




#52
Tetrachloroethene
Concen: 1.929 ppbv
RT: 10.648 min Scan# 2502
Delta R.T. 0.003 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion:164 Resp: 149442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 113.4 | 102.2 | 153.2 |
| 129 | 104.1 | 85.8 | 128.8 |
| 131 | 87.5 | 83.3 | 124.9 |



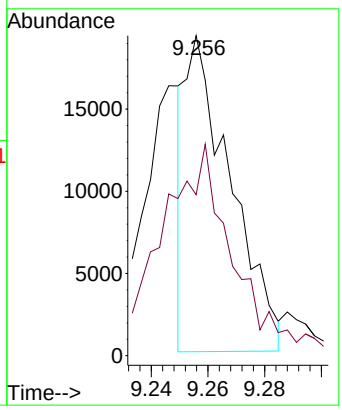


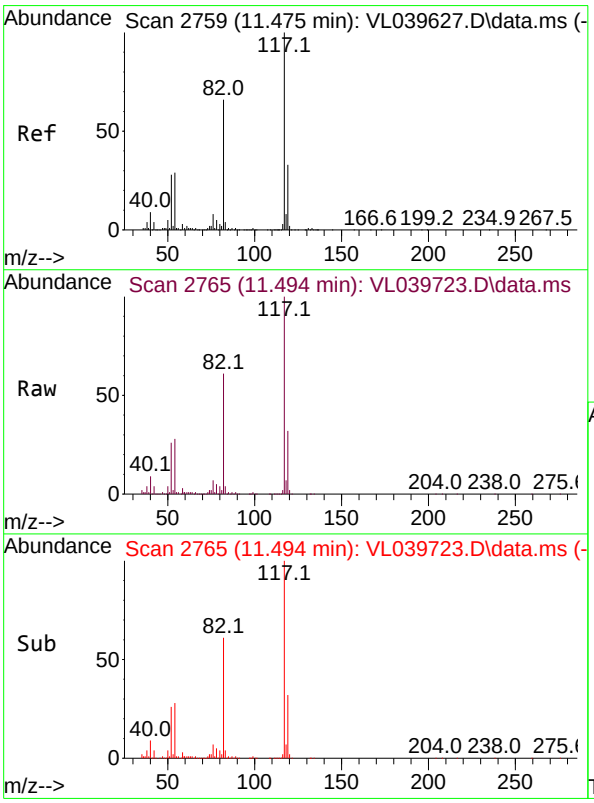

#53
Toluene
Concen: 0.095 ppbv
RT: 9.256 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 91 Resp: 21397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 112.2 | 48.2 | 72.2# |

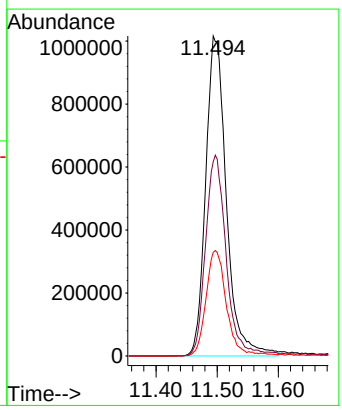


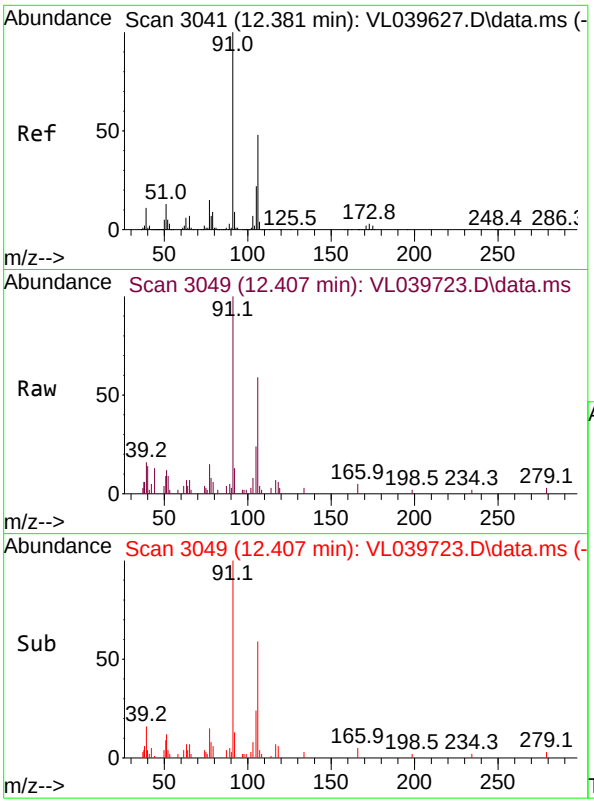




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion:117 Resp: 2387537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 63.1 | 50.8 | 76.2 |
| 119 | 33.3 | 24.1 | 36.1 |



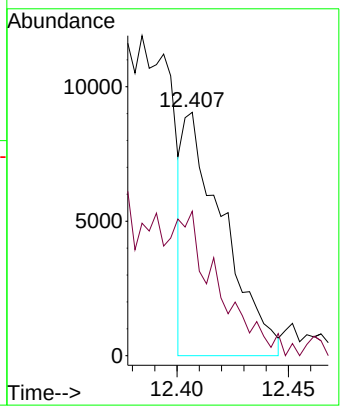


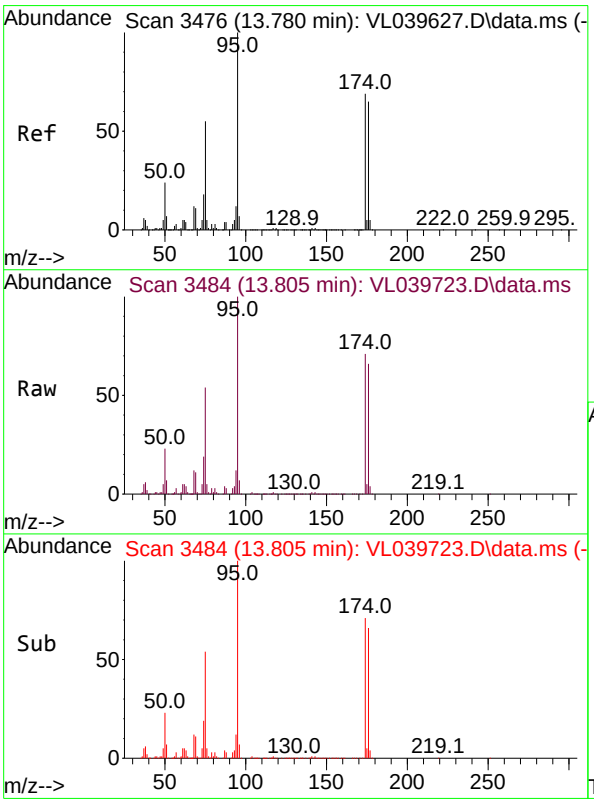

#59
m/p-Xylene
Concen: 0.047 ppbv
RT: 12.407 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA1DL

Tgt Ion: 91 Resp: 11508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 35.4 | 53.2# |




#68
1-Bromo-4-Fluorobenzene
Concen: 9.571 ppbv
RT: 13.805 min Scan# 3484
Delta R.T. 0.006 min
Lab File: VL039723.D
Acq: 17 Oct 2022 17:25

Tgt Ion: 95 Resp: 1705757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.6 | 55.9 | 83.9 |
| 175 | 5.3 | 4.2 | 6.4 |