Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Quant Time: Apr 09 01:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 2.800 | 49 | 194254 | 10.000 | ppbv | 0.02 |
| 33) 1,4-Difluorobenzene | 3.978 | 114 | 507155 | 10.000 | ppbv | 0.03 |
| 55) Chlorobenzene-d5 | 8.901 | 117 | 433594 | 10.000 | ppbv | 0.03 |
| System Monitoring Compounds | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 10.393 | 95 | 337540 | 9.480 | ppbv | 0.02 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 94.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) Ethanol | 1.751 | 45 | 236 | 0.186 | ppbv # | 1 |
| 15) Acetone | 1.845 | 43 | 6949 | 0.256 | ppbv | 93 |
| 16) 1,3-Butadiene | 1.606 | 39 | 1815 | 0.137 | ppbv # | 25 |
| 17) tert-Butyl alcohol | 2.052 | 59 | 1274 | 0.038 | ppbv # | 79 |
| 19) Isopropyl Alcohol | 1.894 | 45 | 950 | 0.062 | ppbv # | 62 |
| 20) Methylene Chloride | 2.069 | 84 | 1948 | 0.193 | ppbv # | 87 |
| 23) Vinyl Acetate | 2.470 | 43 | 547 | 0.047 | ppbv # | 1 |
| 39) 1,2-Dichloropropane | 3.978 | 63 | 131796 | 7.198 | ppbv # | 23 |
| 74) 1,2,4-Trimethylbenzene | 11.549 | 105 | 3043 | 0.039 | ppbv # | 71 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Quant Time: Apr 09 01:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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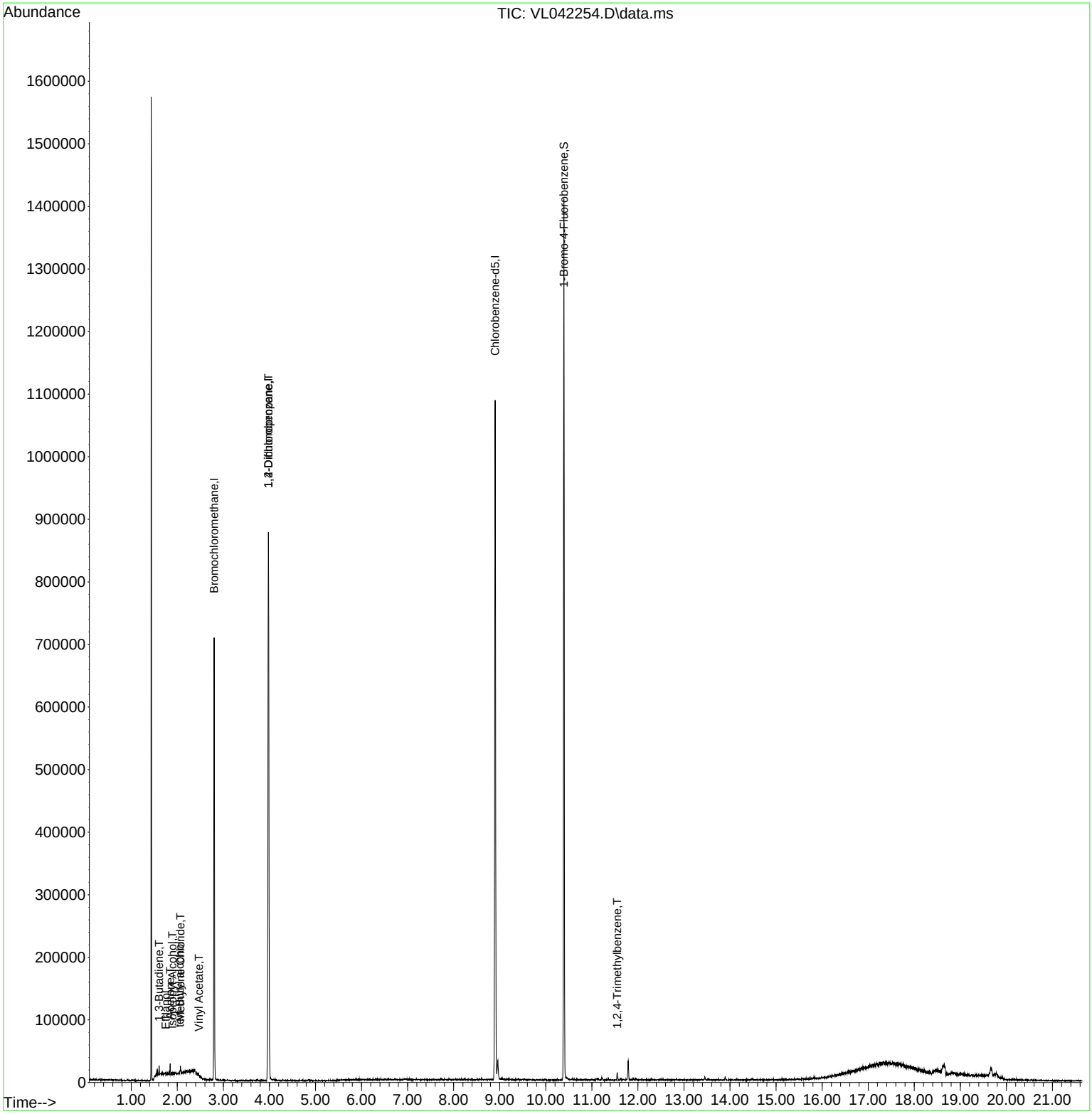
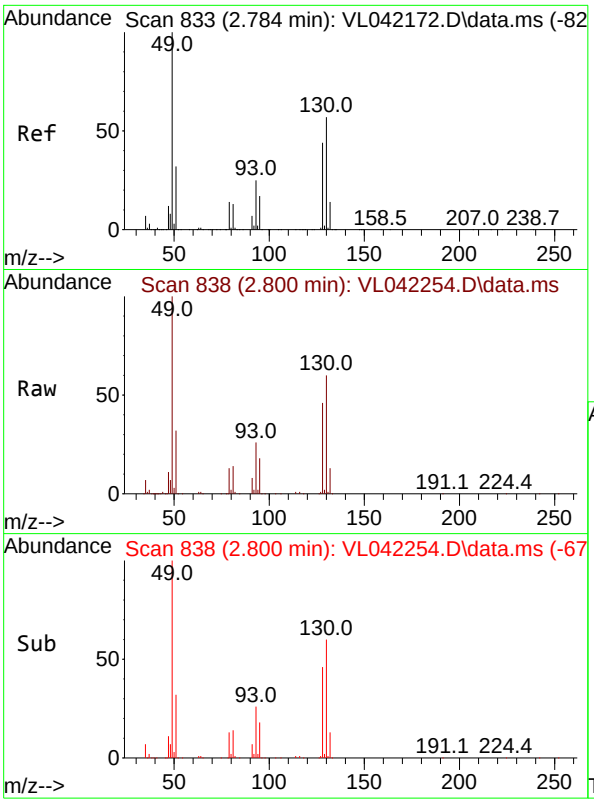


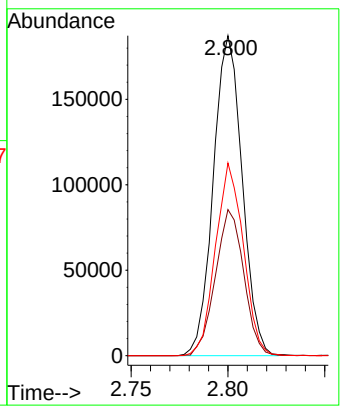


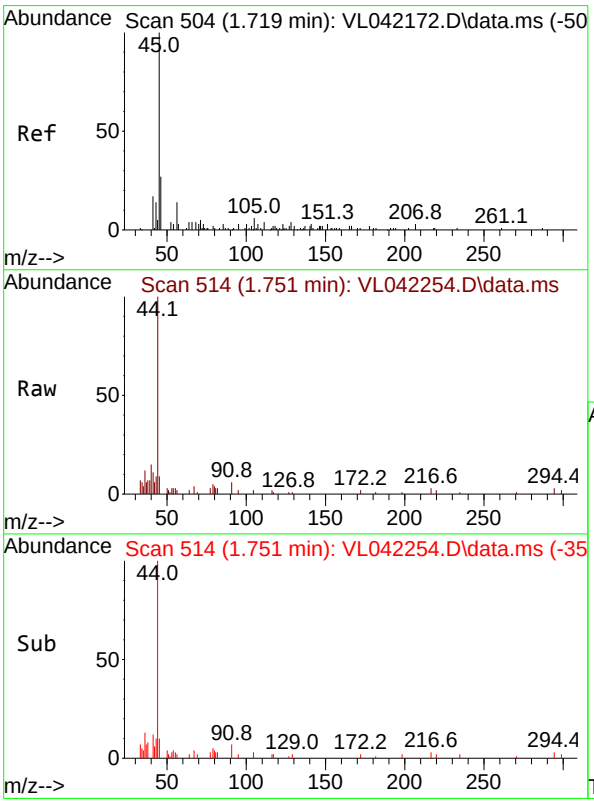

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion: 49 Resp: 194254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 45.0 | 22.9 | 68.5 |
| 130 | 58.0 | 28.8 | 86.4 |

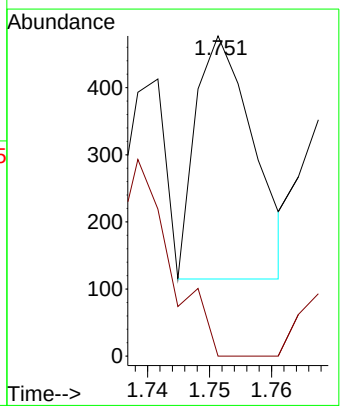


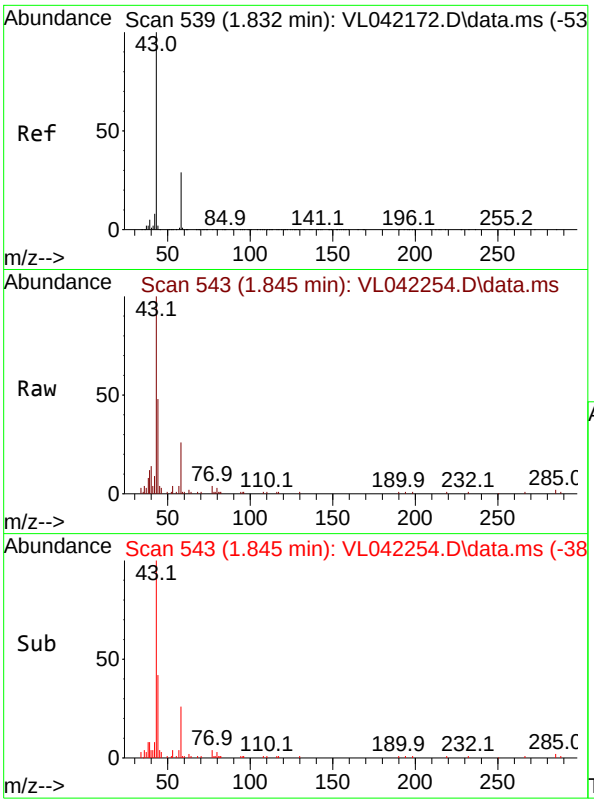




#13
Ethanol
Concen: 0.186 ppbv
RT: 1.751 min Scan# 514
Delta R.T. 0.032 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 45 Resp: 236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 124.6 | 20.2 | 80.8# |



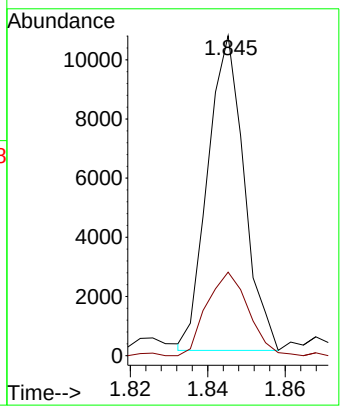


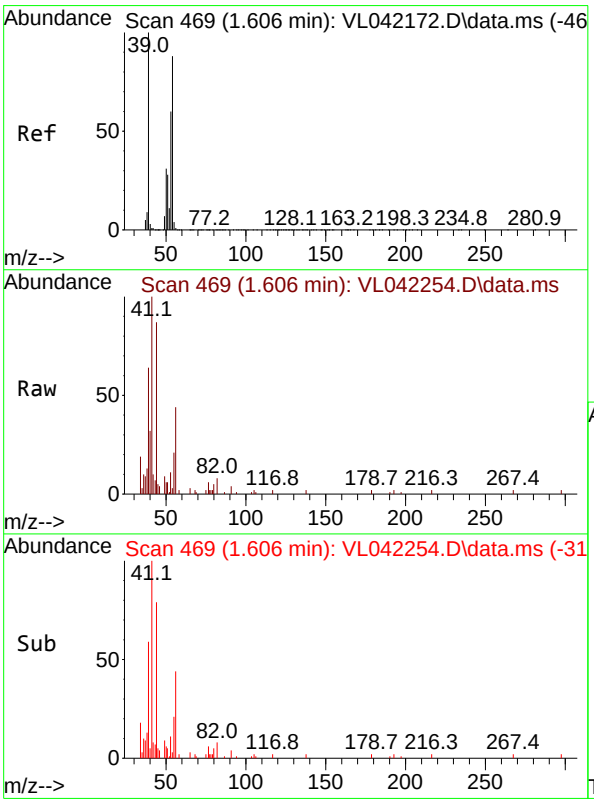

#15
Acetone
Concen: 0.256 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion: 43 Resp: 6949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.6 | 23.2 | 34.8 |

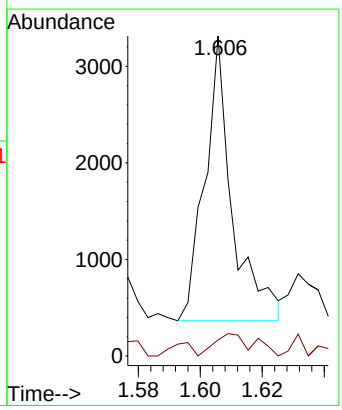


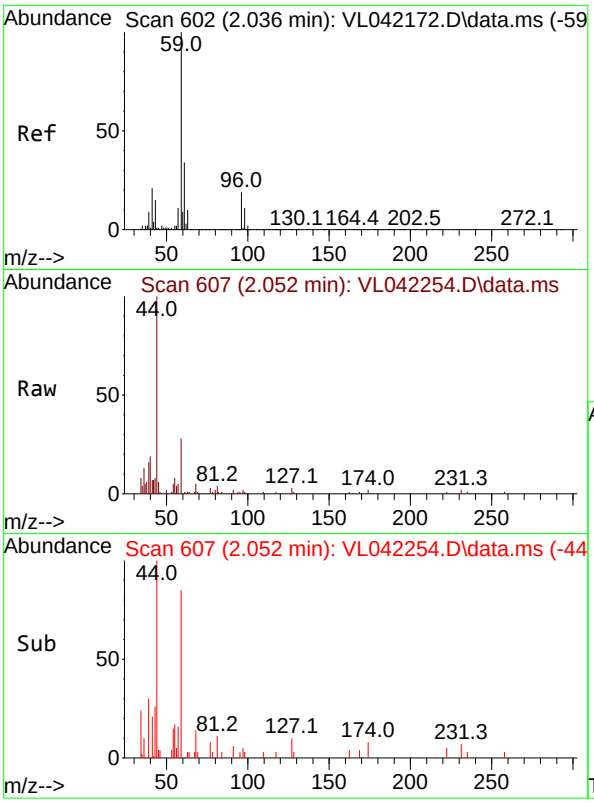




#16
1,3-Butadiene
Concen: 0.137 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 39 Resp: 1815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 11.7 | 60.7 | 91.1# |



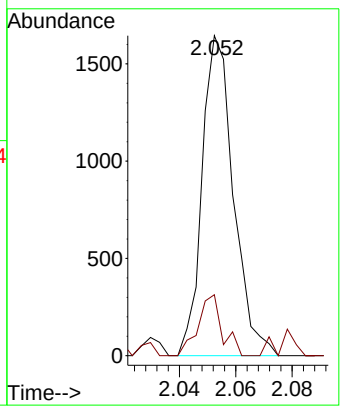


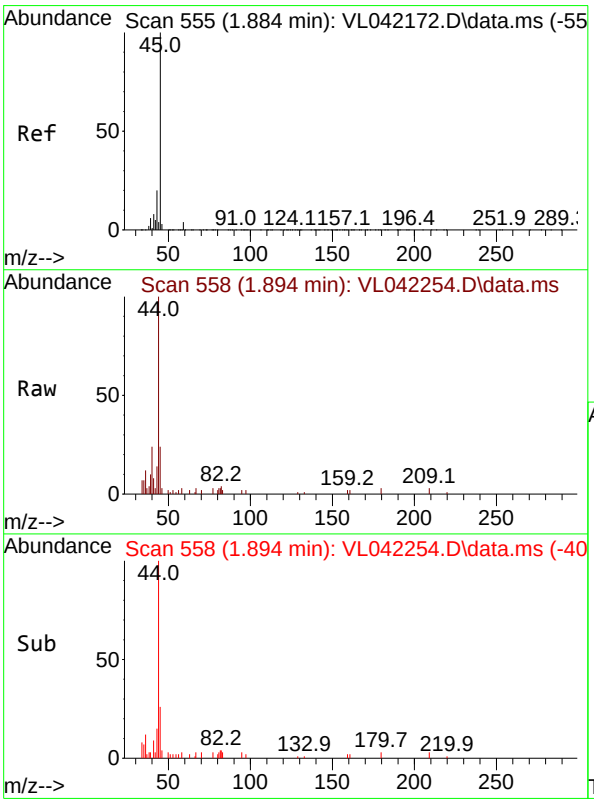

#17
tert-Butyl alcohol
Concen: 0.038 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion: 59 Resp: 1274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 19.0 | 8.9 | 13.3# |

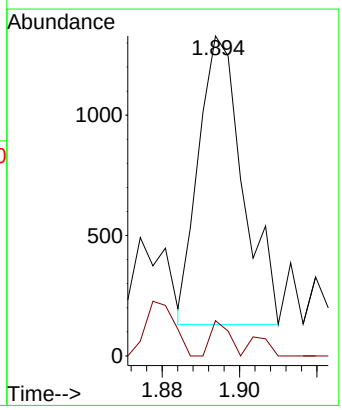


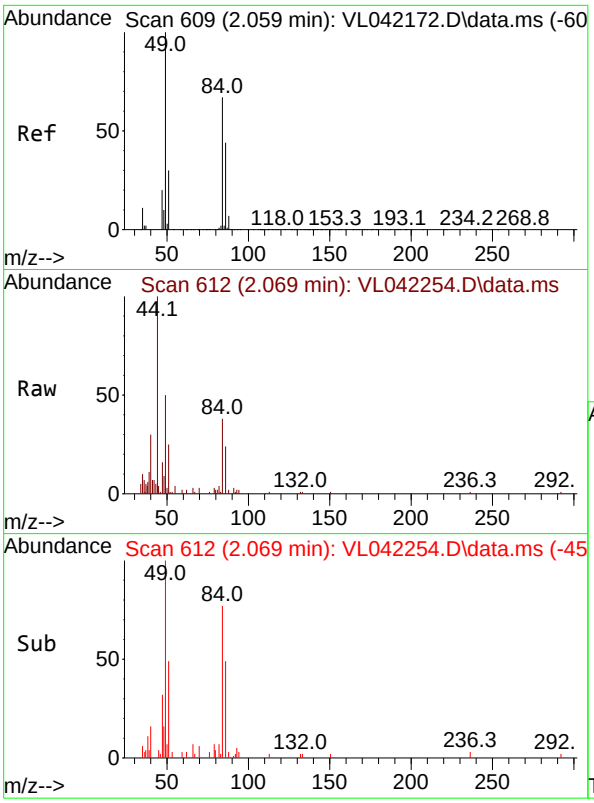




#19
Isopropyl Alcohol
Concen: 0.062 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.010 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 45 Resp: 950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 20.6 | 36.9 | 55.3# |



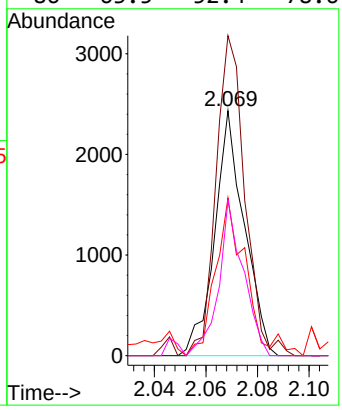


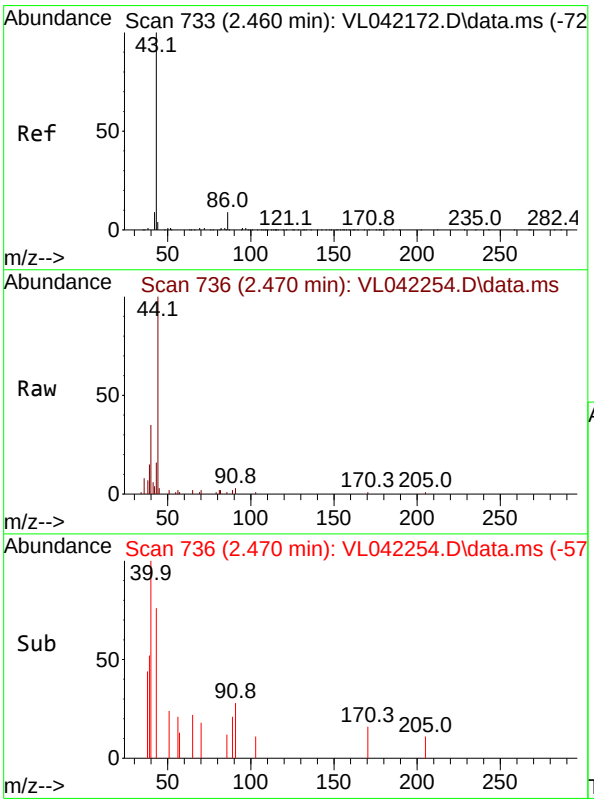

#20
Methylene Chloride
Concen: 0.193 ppbv
RT: 2.069 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion: 84 Resp: 1948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.6 | 120.2 | 180.4 |
| 51 | 61.6 | 37.4 | 56.0# |
| 86 | 63.5 | 52.4 | 78.6 |

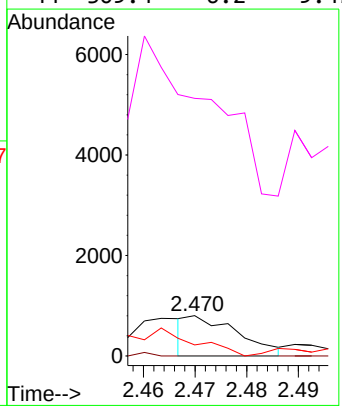


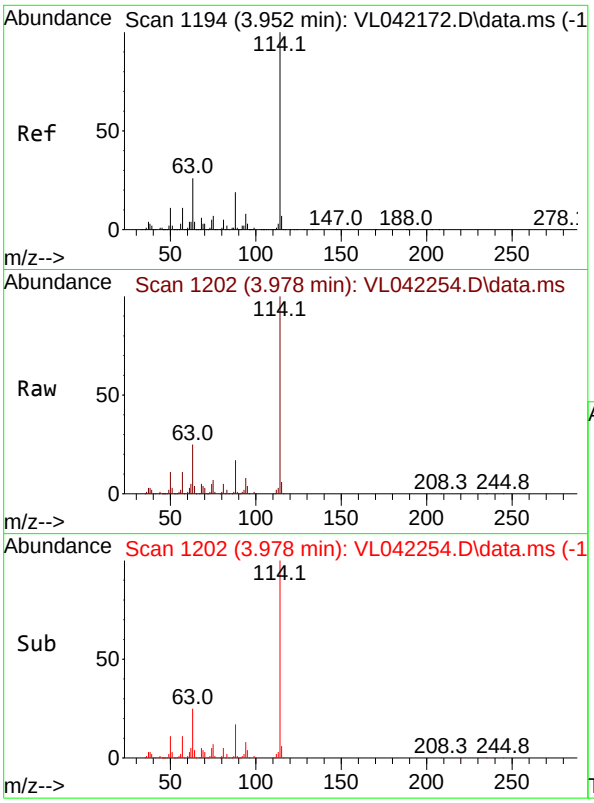




#23
Vinyl Acetate
Concen: 0.047 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.010 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 43 Resp: 547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 0.0 | 5.5 | 8.3# |
| 42 | 11.4 | 8.6 | 13.0 |
| 44 | 309.4 | 6.2 | 9.4# |



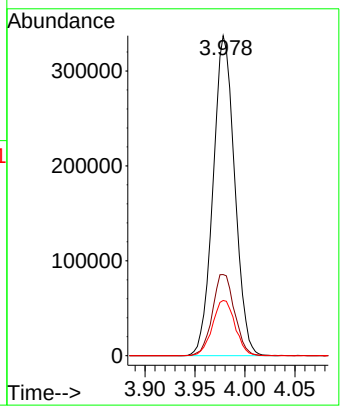


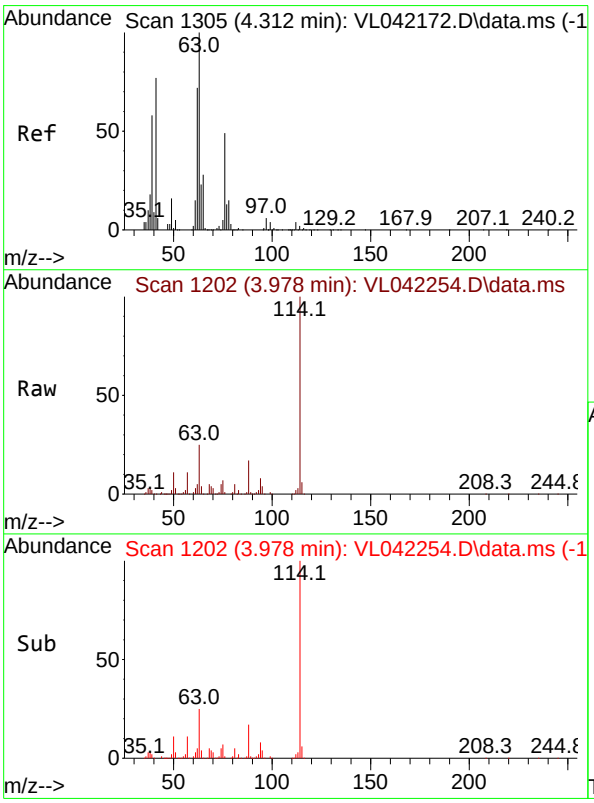

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion:114 Resp: 507155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.1 | 20.7 | 31.1 |
| 88 | 18.1 | 15.0 | 22.4 |

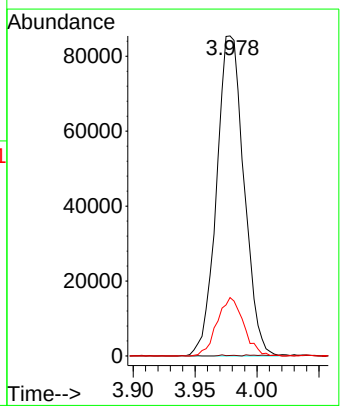


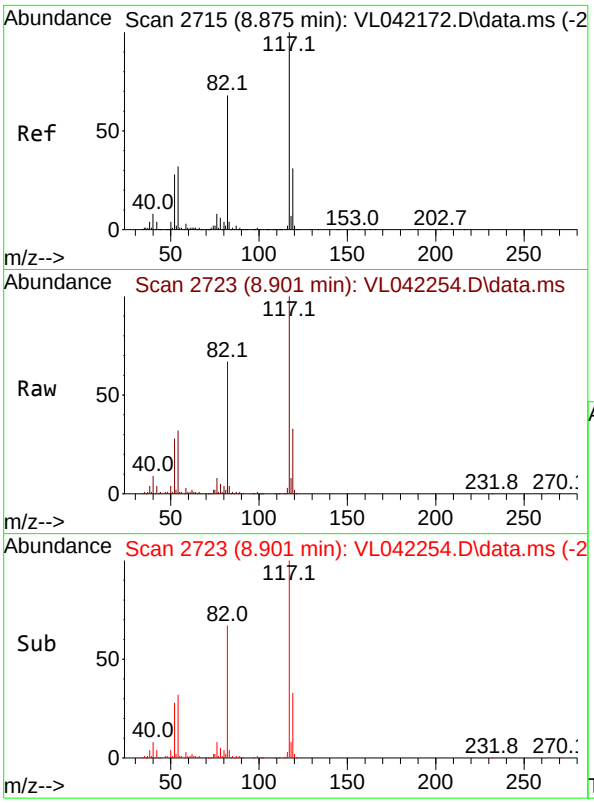




#39
1,2-Dichloropropane
Concen: 7.198 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.333 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 63 Resp: 131796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.2 | 61.7 | 92.5# |
| 62 | 18.2 | 57.6 | 86.4# |



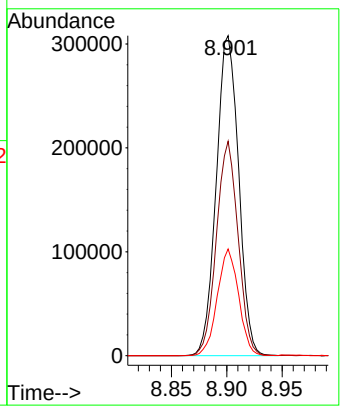


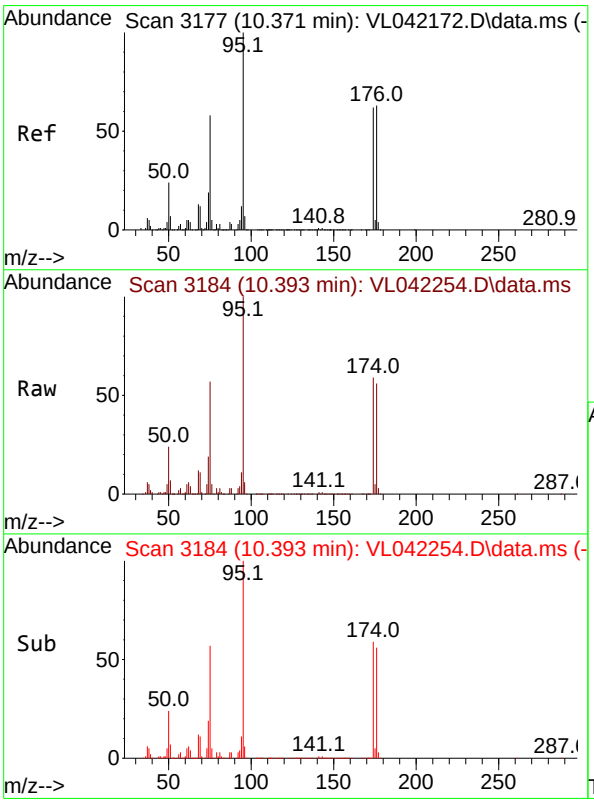

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion:117 Resp: 433594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 65.0 | 55.8 | 83.6 |
| 119 | 31.8 | 25.5 | 38.3 |

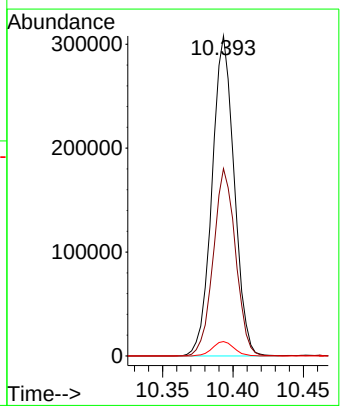


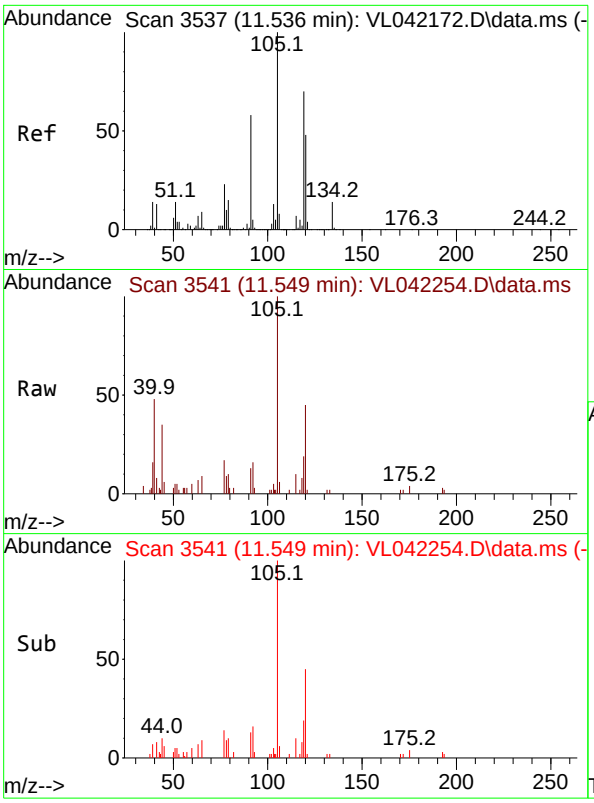




#68
1-Bromo-4-Fluorobenzene
Concen: 9.480 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 95 Resp: 337540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 58.8 | 50.6 | 76.0 |
| 175 | 4.4 | 3.8 | 5.6 |






#74
1,2,4-Trimethylbenzene
Concen: 0.039 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.013 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0408ABL01

Tgt Ion:105 Resp: 3043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 38.6 | 58.0 |
| 91 | 13.5 | 46.2 | 69.2# |
| 77 | 17.1 | 18.6 | 27.8# |