Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
Data File : VL039713.D
Acq On : 11 Oct 2022 9:23
Operator : SY/AP
Sample : N5040-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Quant Time: Oct 12 04:38:53 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 : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Bromochloromethane | 5.182 | 49 | 873848 | 10.000 | ppbv | | -0.02 |
| 33) 1,4-Difluorobenzene | 6.635 | 114 | 2455101 | 10.000 | ppbv | | -0.03 |
| 55) Chlorobenzene-d5 | 11.442 | 117 | 2202464 | 10.000 | ppbv | | -0.03 |
| System Monitoring Compounds | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 13.751 | 95 | 1615015 | 9.823 | ppbv | | -0.03 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 98.200% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 9) Propene | 2.709 | 41 | 106639 | 2.252 | ppbv | | 99 |
| 13) Ethanol | 3.250 | 45 | 20777 | 5.757 | ppbv | | 81 |
| 15) Acetone | 3.478 | 43 | 150796 | 1.551 | ppbv | # | 40 |
| 16) 1,3-Butadiene | 2.973 | 39 | 160064 | 3.245 | ppbv | # | 19 |
| 17) tert-Butyl alcohol | 3.899 | 59 | 25748 | 0.295 | ppbv | # | 63 |
| 20) Methylene Chloride | 3.938 | 84 | 43413 | 0.966 | ppbv | | 97 |
| 23) Vinyl Acetate | 4.787 | 43 | 216981 | 4.936 | ppbv | # | 87 |
| 25) Ethyl Acetate | 5.205 | 43 | 20375 | 0.096 | ppbv | # | 77 |
| 26) Hexane | 5.205 | 57 | 16879 | 0.188 | ppbv | # | 28 |
| 34) 2-Butanone | 4.787 | 43 | 216981 | 1.799 | ppbv | | 96 |
| 36) Benzene | 6.352 | 78 | 7162 | 0.038 | ppbv | # | 87 |
| 39) 1,2-Dichloropropane | 6.635 | 63 | 609803 | 8.413 | ppbv | # | 25 |
| 74) 1,2,4-Trimethylbenzene | 16.082 | 105 | 9291 | 0.037 | ppbv | # | 75 |

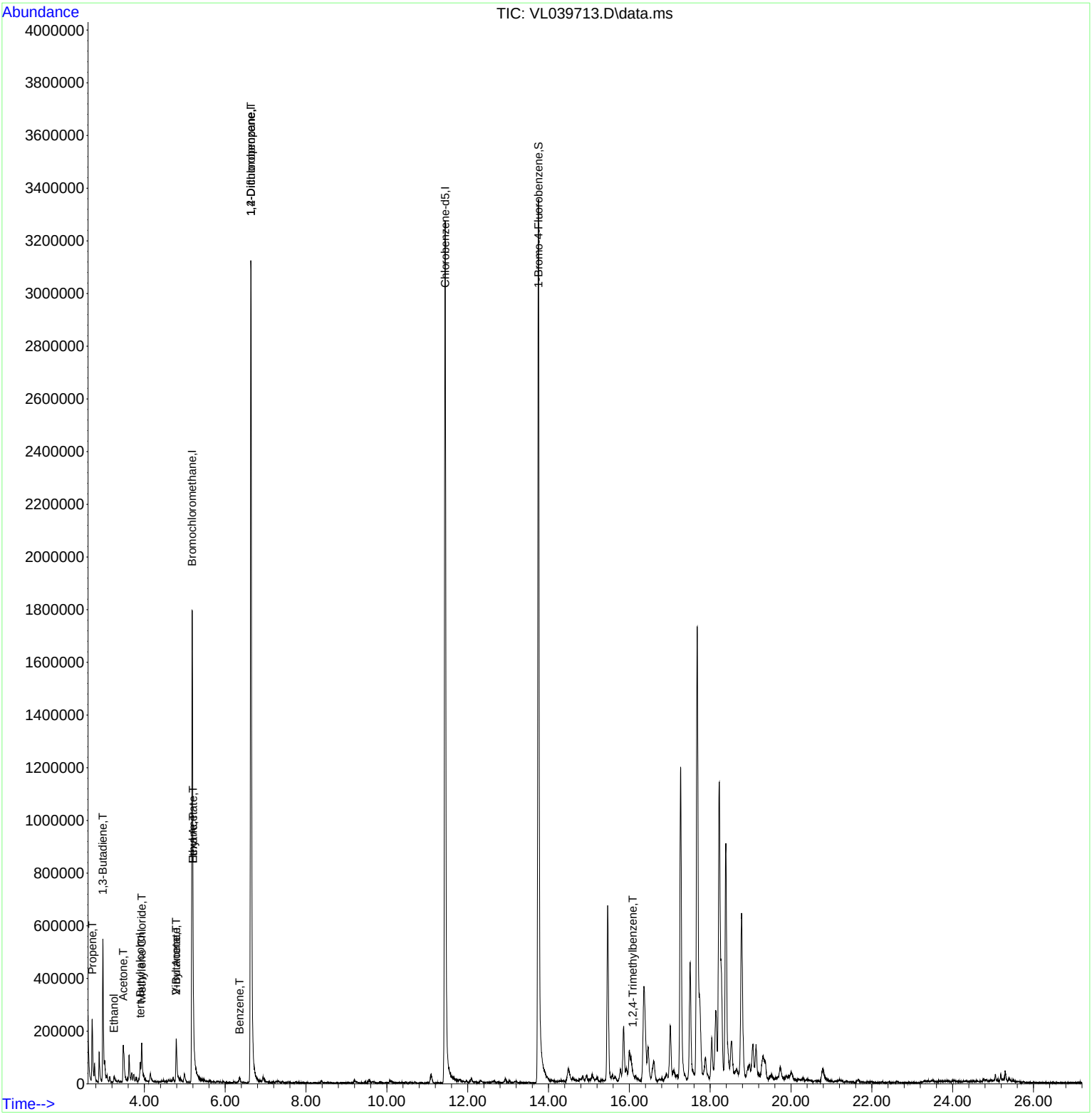
(#) = qualifier out of range (m) = manual integration (+) = signals summed

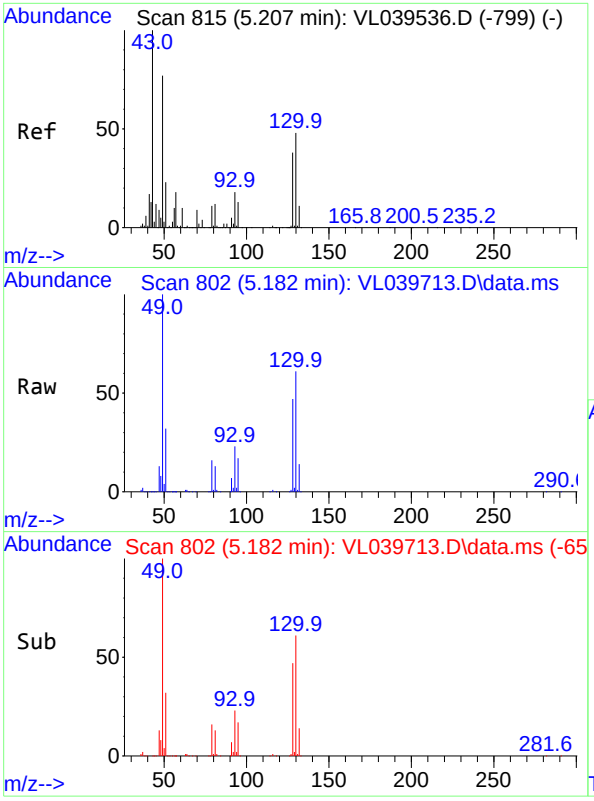
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
Data File : VL039713.D
Acq On : 11 Oct 2022 9:23
Operator : SY/AP
Sample : N5040-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Quant Time: Oct 12 04:38:53 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 : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration



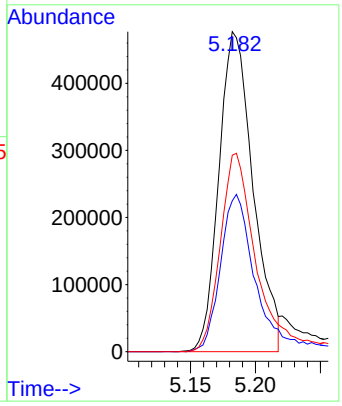


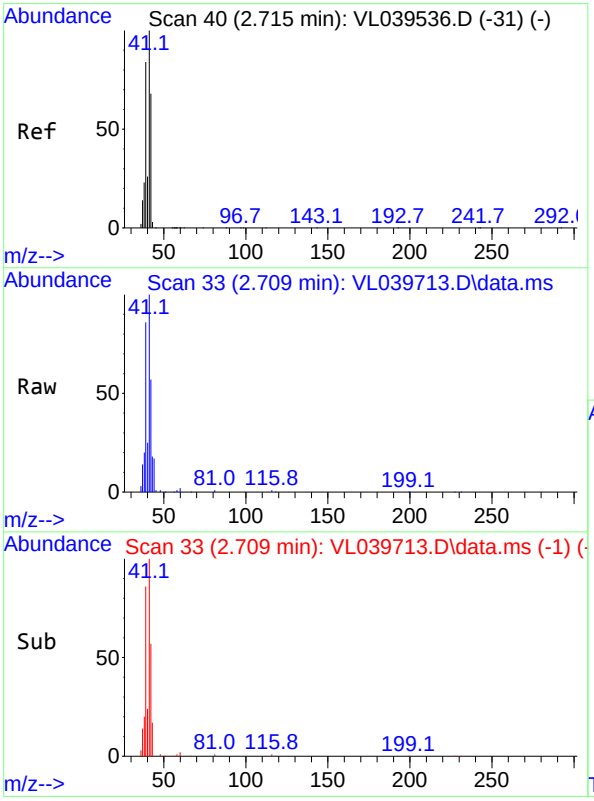

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 8
Delta R.T. -0.025 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion: 49 Resp: 873848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 54.1 | 26.7 | 80.0 |
| 130 | 69.2 | 34.3 | 102.8 |

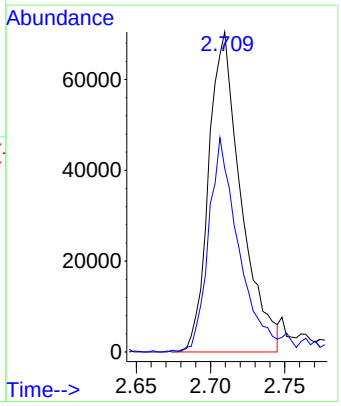


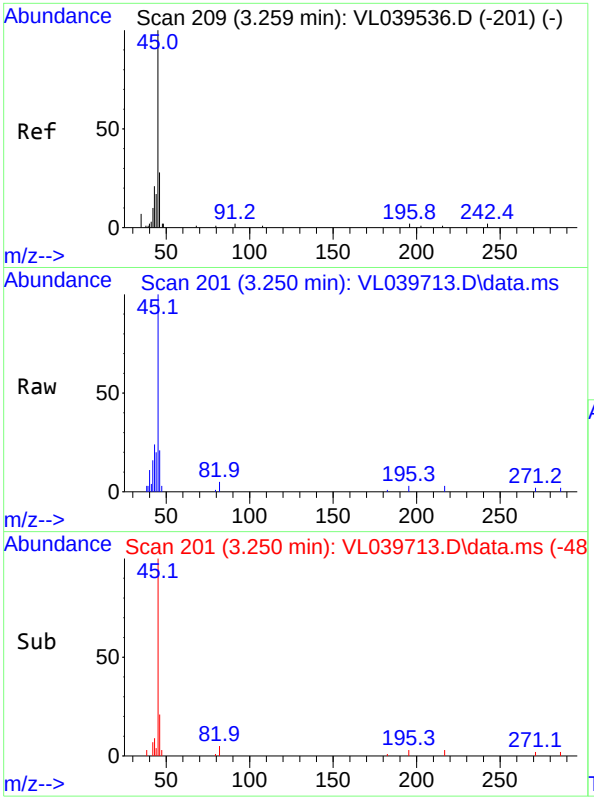




#9
Propene
Concen: 2.252 ppbv
RT: 2.709 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 41 Resp: 106639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 67.8 | 55.2 | 82.8 |



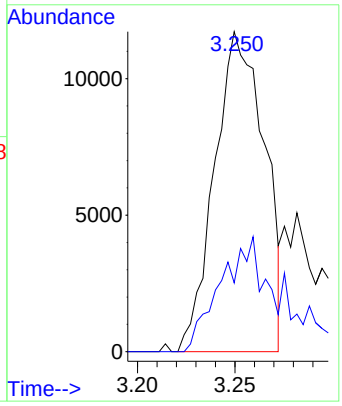


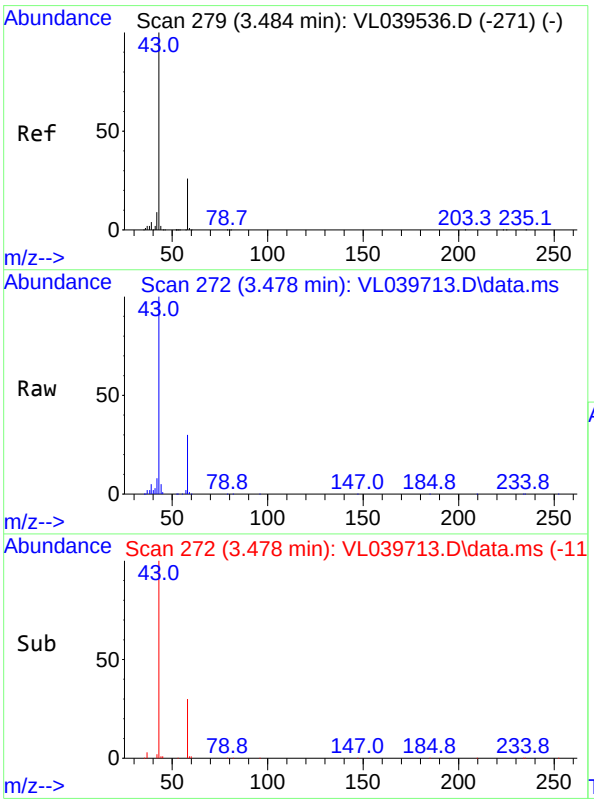

#13
Ethanol
Concen: 5.757 ppbv
RT: 3.250 min Scan# 2
Delta R.T. -0.009 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion: 45 Resp: 20777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 43.3 | 22.8 | 91.2 |

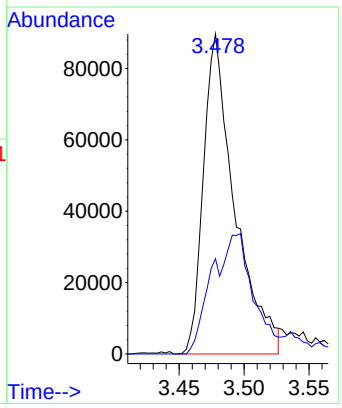


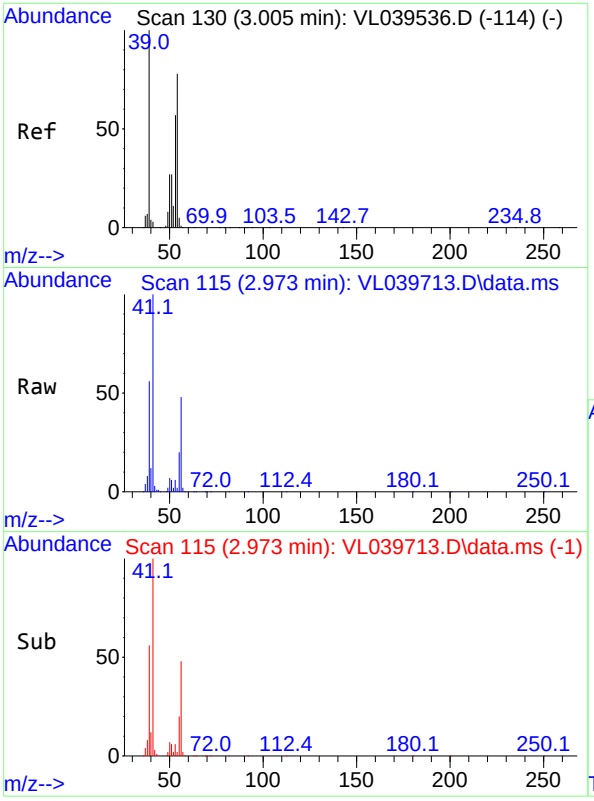




#15
Acetone
Concen: 1.551 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 43 Resp: 150796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 57.0 | 21.0 | 31.6# |



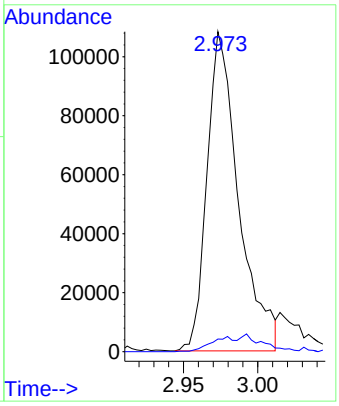


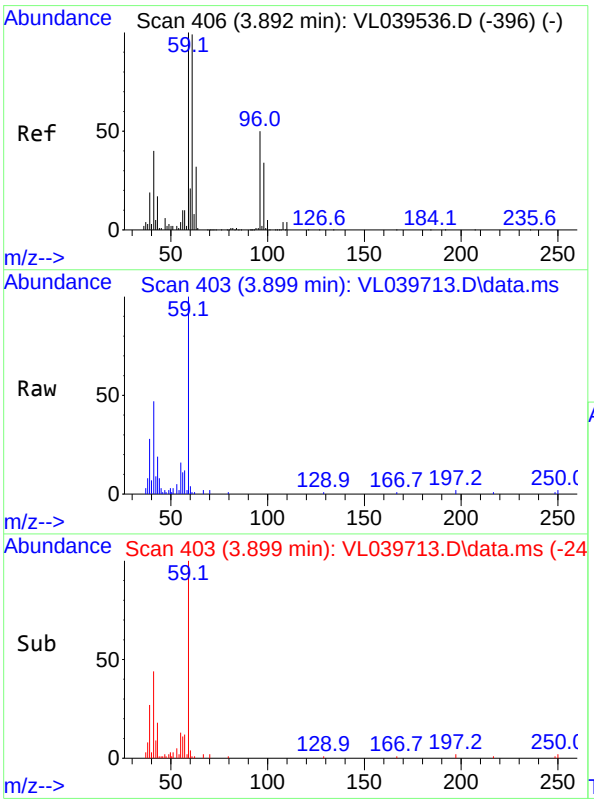

#16
1,3-Butadiene
Concen: 3.245 ppbv
RT: 2.973 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion: 39 Resp: 160064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 8.0 | 63.7 | 95.5# |

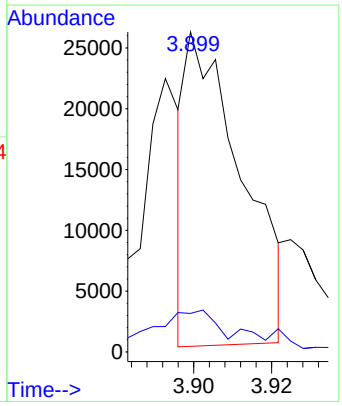


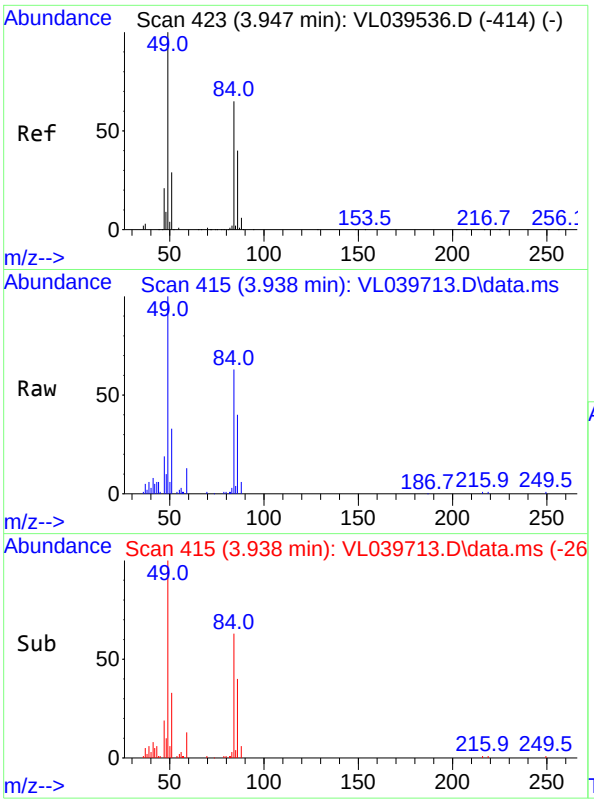




#17
tert-Butyl alcohol
Concen: 0.295 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.007 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 59 Resp: 25748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 25.0 | 8.7 | 13.1# |



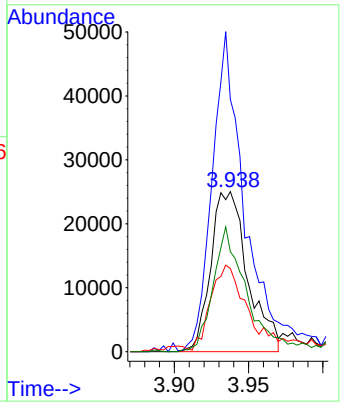


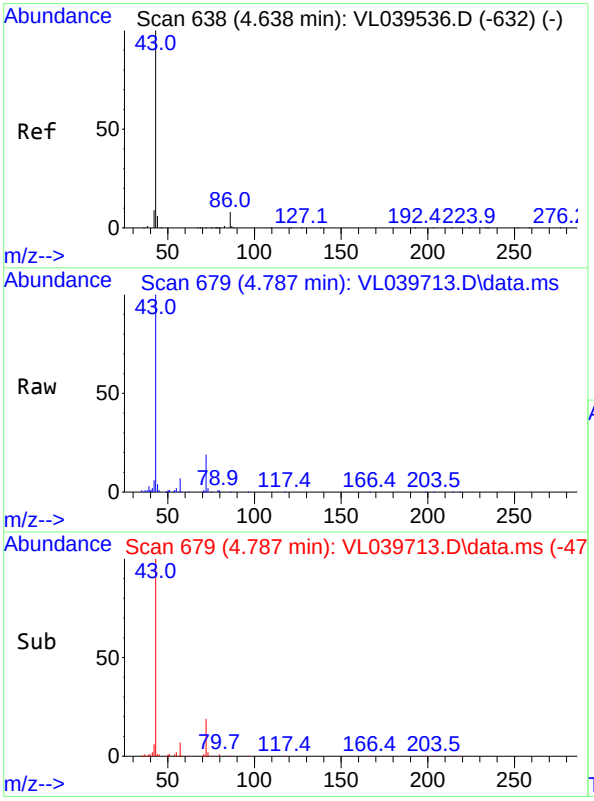

#20
Methylene Chloride
Concen: 0.966 ppbv
RT: 3.938 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion: 84 Resp: 43413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 156.9 | 123.1 | 184.7 |
| 51 | 48.5 | 34.4 | 51.6 |
| 86 | 62.5 | 51.1 | 76.7 |

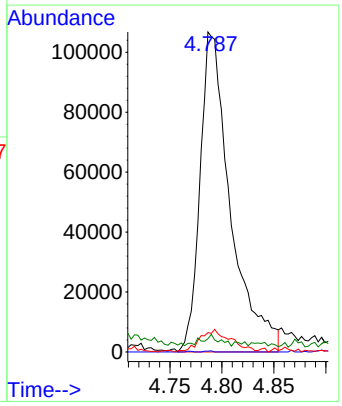


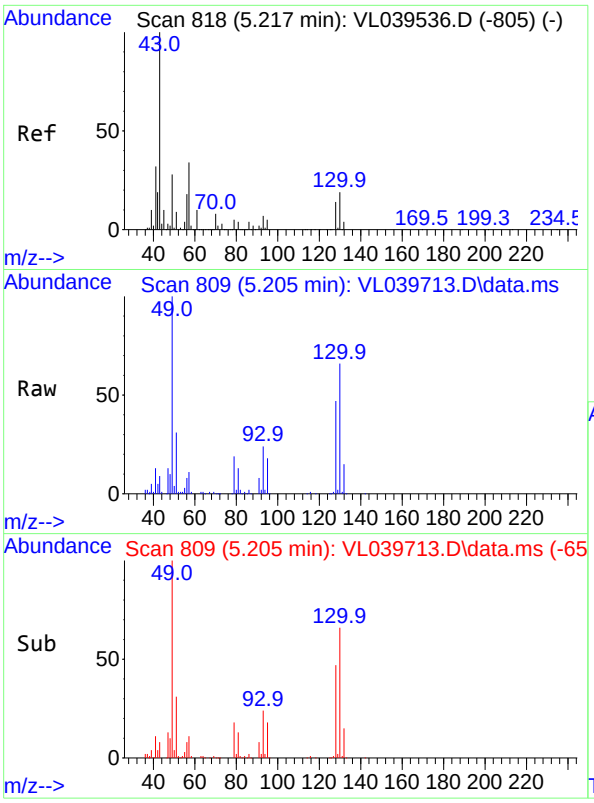




#23
Vinyl Acetate
Concen: 4.936 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.148 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 43 Resp: 216981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 0.3 | 5.0 | 7.6# |
| 42 | 5.7 | 7.7 | 11.5# |
| 44 | 2.5 | 4.6 | 7.0# |



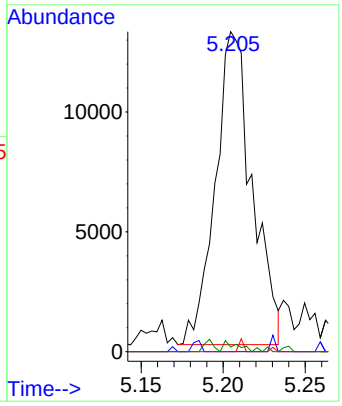


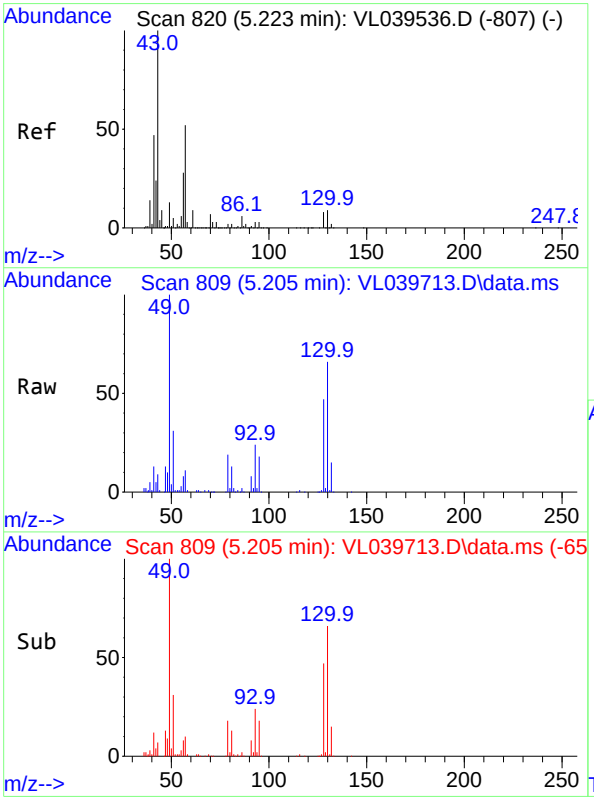

#25
Ethyl Acetate
Concen: 0.096 ppbv
RT: 5.205 min Scan# 8
Delta R.T. -0.012 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion: 43 Resp: 20375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 1.0 | 8.2 | 12.4# |
| 61 | 0.0 | 8.3 | 12.5# |
| 70 | 2.6 | 5.9 | 8.9# |

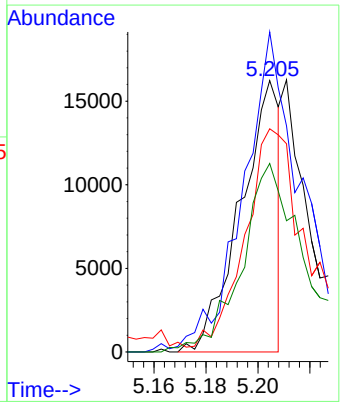


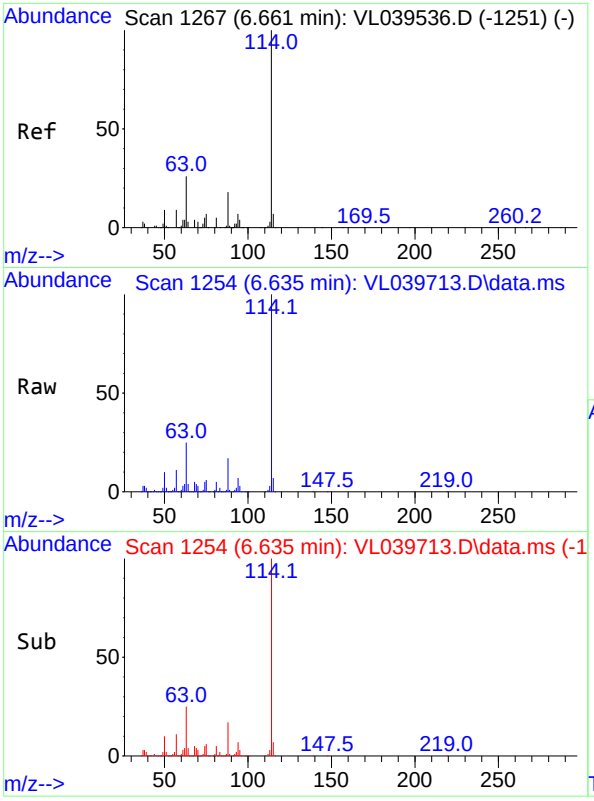




#26
Hexane
Concen: 0.188 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.019 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 57 Resp: 16879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 196.3 | 76.9 | 115.3# |
| 43 | 141.0 | 191.0 | 286.6# |
| 56 | 113.3 | 43.2 | 64.8# |



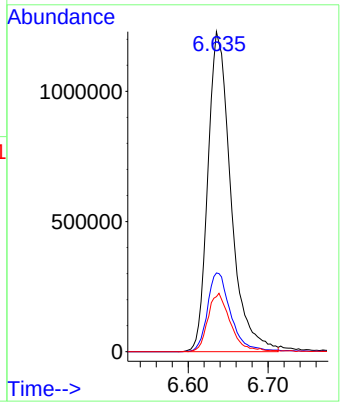


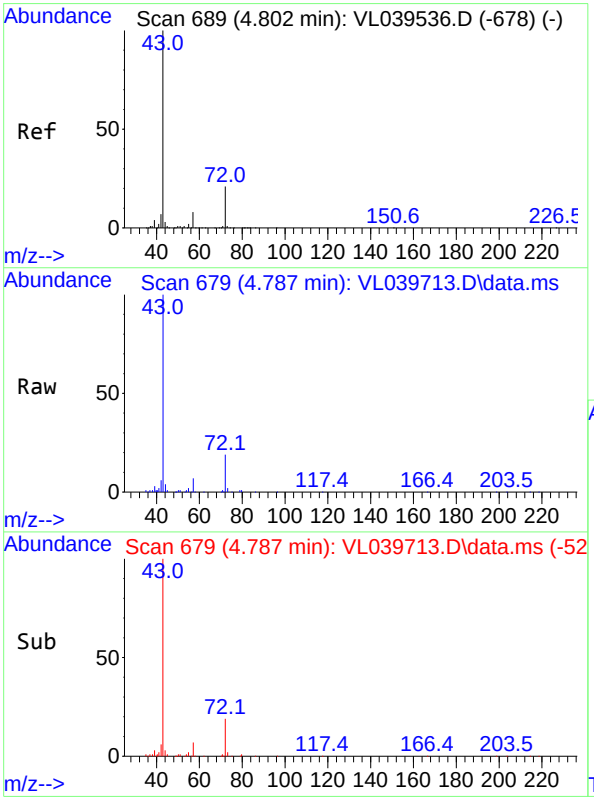

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1
Delta R.T. -0.025 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion:114 Resp: 2455101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.2 | 20.2 | 30.4 |
| 88 | 18.2 | 14.5 | 21.7 |

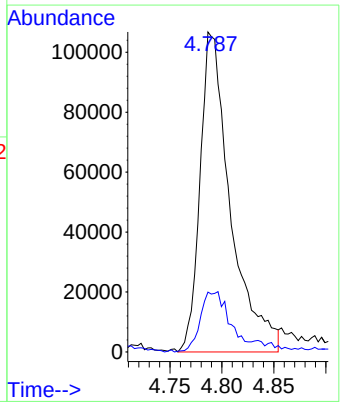


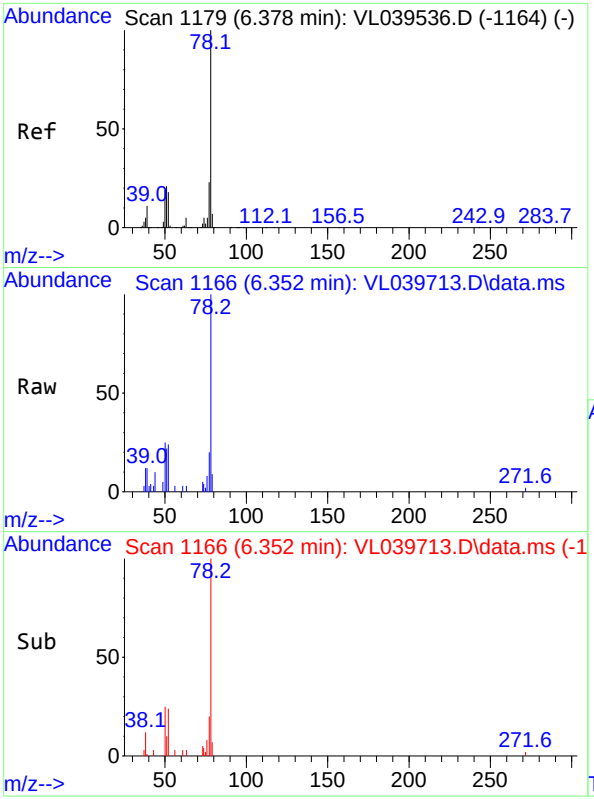




#34
2-Butanone
Concen: 1.799 ppbv
RT: 4.787 min Scan# 679
Delta R.T. -0.016 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 43 Resp: 216981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 20.5 | 17.9 | 26.9 |



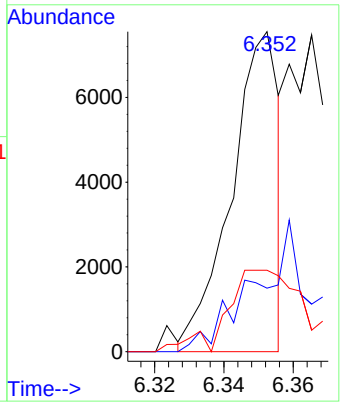


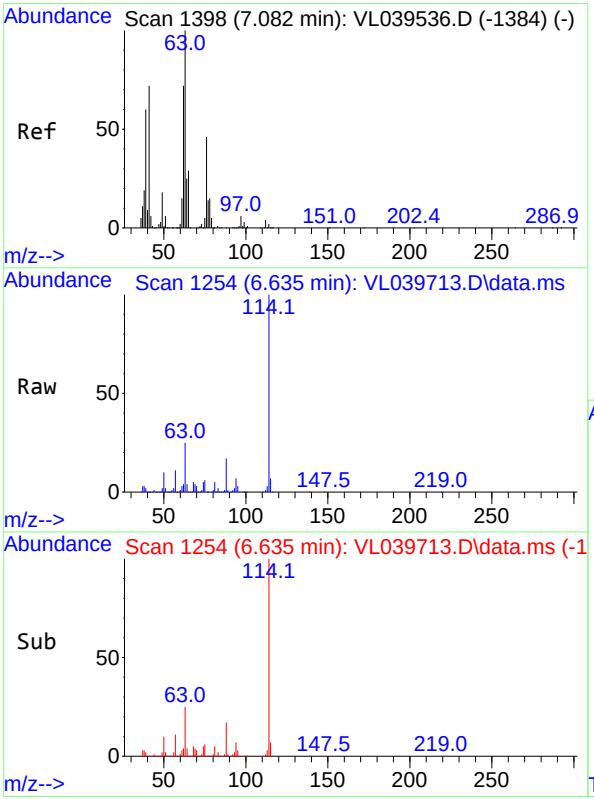

#36
Benzene
Concen: 0.038 ppbv
RT: 6.352 min Scan# 11
Delta R.T. -0.025 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion: 78 Resp: 7162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 17.3 | 20.3 | 30.5# |
| 50 | 23.9 | 15.5 | 23.3# |

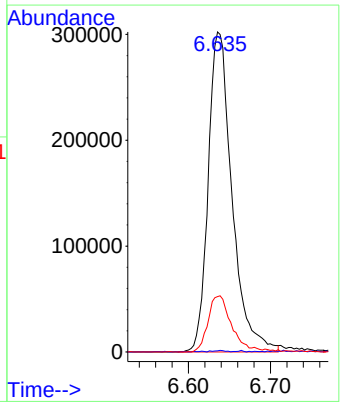


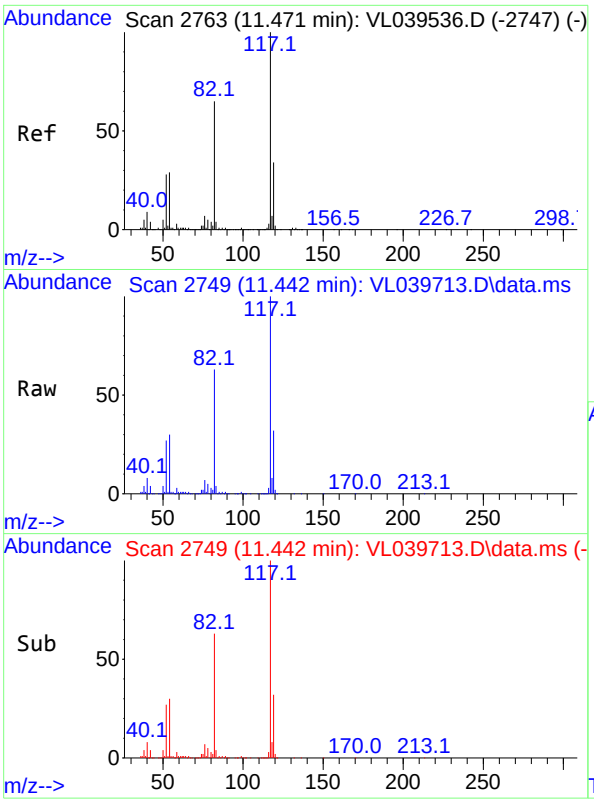




#39
1,2-Dichloropropane
Concen: 8.413 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.446 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 63 Resp: 609803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.3 | 59.6 | 89.4# |
| 62 | 17.3 | 51.4 | 77.0# |



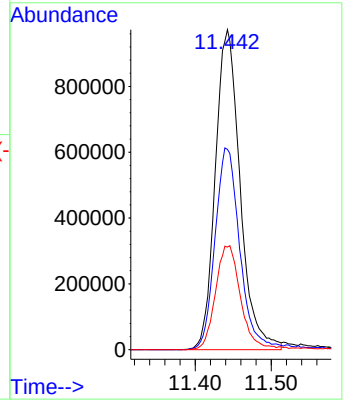


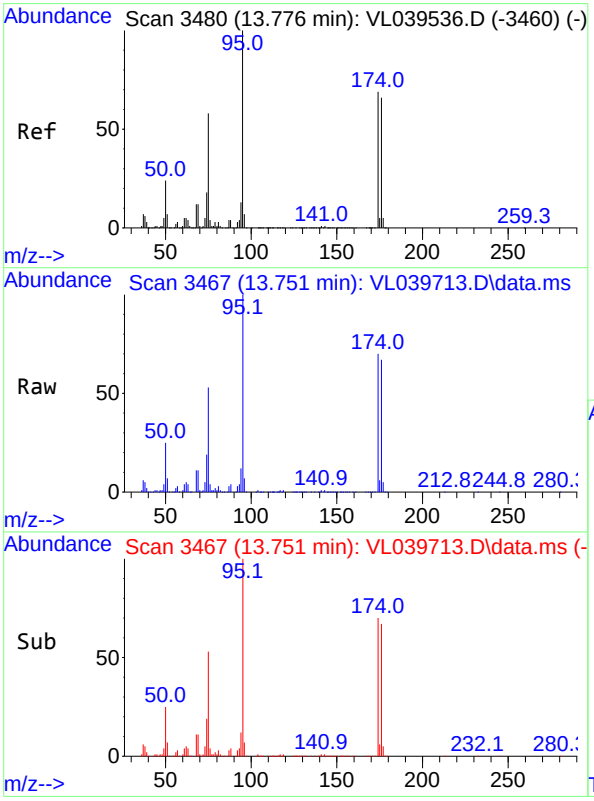

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2
Delta R.T. -0.028 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion:117 Resp: 2202464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 64.4 | 50.8 | 76.2 |
| 119 | 33.7 | 24.1 | 36.1 |

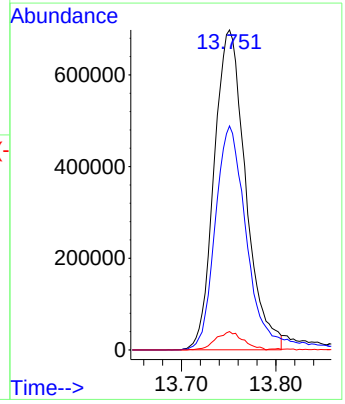


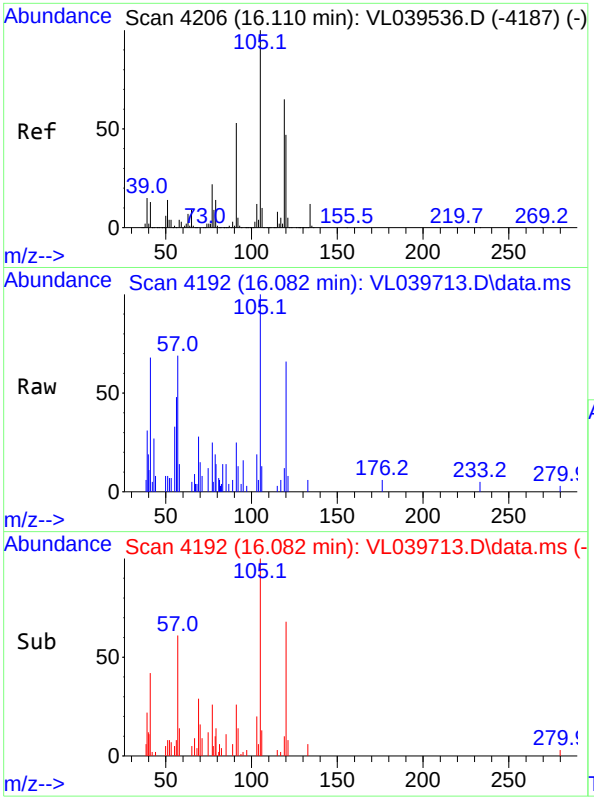




#68
1-Bromo-4-Fluorobenzene
Concen: 9.823 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.025 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 95 Resp: 1615015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.4 | 55.9 | 83.9 |
| 175 | 5.2 | 4.2 | 6.4 |






#74
1,2,4-Trimethylbenzene
Concen: 0.037 ppbv
RT: 16.082 min Scan# 4
Delta R.T. -0.028 min
Lab File: VL039713.D
Acq: 11 Oct 2022 9:23

**Instrument :**
MSVOA_L
**ClientSampleId :**
SVP-02DL

Tgt Ion:105 Resp: 9291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 66.1 | 39.5 | 59.3# |
| 91 | 25.4 | 39.2 | 58.8# |
| 77 | 20.2 | 17.2 | 25.8 |