Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112921\
Data File : VL038140.D
Acq On : 29 Nov 2021 18:14
Operator : SY/AP
Sample : M4827-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Quant Time: Nov 30 05:16:40 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.67 | 49 | 926293 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 2576836 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.09 | 117 | 2260562 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.41 | 95 | 1752093 | 10.75 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 107.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.06 | 85 | 7862 | 0.051 | ppbv # | 73 |
| 3) Chlorodifluoromethane | 3.00 | 51 | 7524 | 0.039 | ppbv # | 83 |
| 9) Propene | 3.21 | 41 | 27506 | 0.384 | ppbv | 86 |
| 13) Ethanol | 3.63 | 45 | 60071 | 8.677 | ppbv | 96 |
| 15) Acetone | 3.86 | 43 | 12689 | 0.158 | ppbv # | 47 |
| 19) Isopropyl Alcohol | 4.00 | 45 | 17653 | 0.304 | ppbv # | 85 |
| 20) Methylene Chloride | 4.35 | 84 | 150465 | 3.345 | ppbv | 97 |
| 25) Ethyl Acetate | 5.69 | 43 | 52955 | 0.198 | ppbv # | 78 |
| 26) Hexane | 5.69 | 57 | 76194 | 0.592 | ppbv # | 44 |
| 29) Chloroform | 5.75 | 83 | 26244 | 0.138 | ppbv | 89 |
| 36) Benzene | 6.89 | 78 | 281652 | 1.096 | ppbv | 98 |
| 39) 1,2-Dichloropropane | 7.18 | 63 | 664897 | 6.743 | ppbv # | 27 |
| 52) Tetrachloroethene | 11.23 | 164 | 6430024 | 67.606 | ppbv | 93 |
| 79) Naphthalene | 22.19 | 128 | 8811 | 0.053 | ppbv # | 81 |

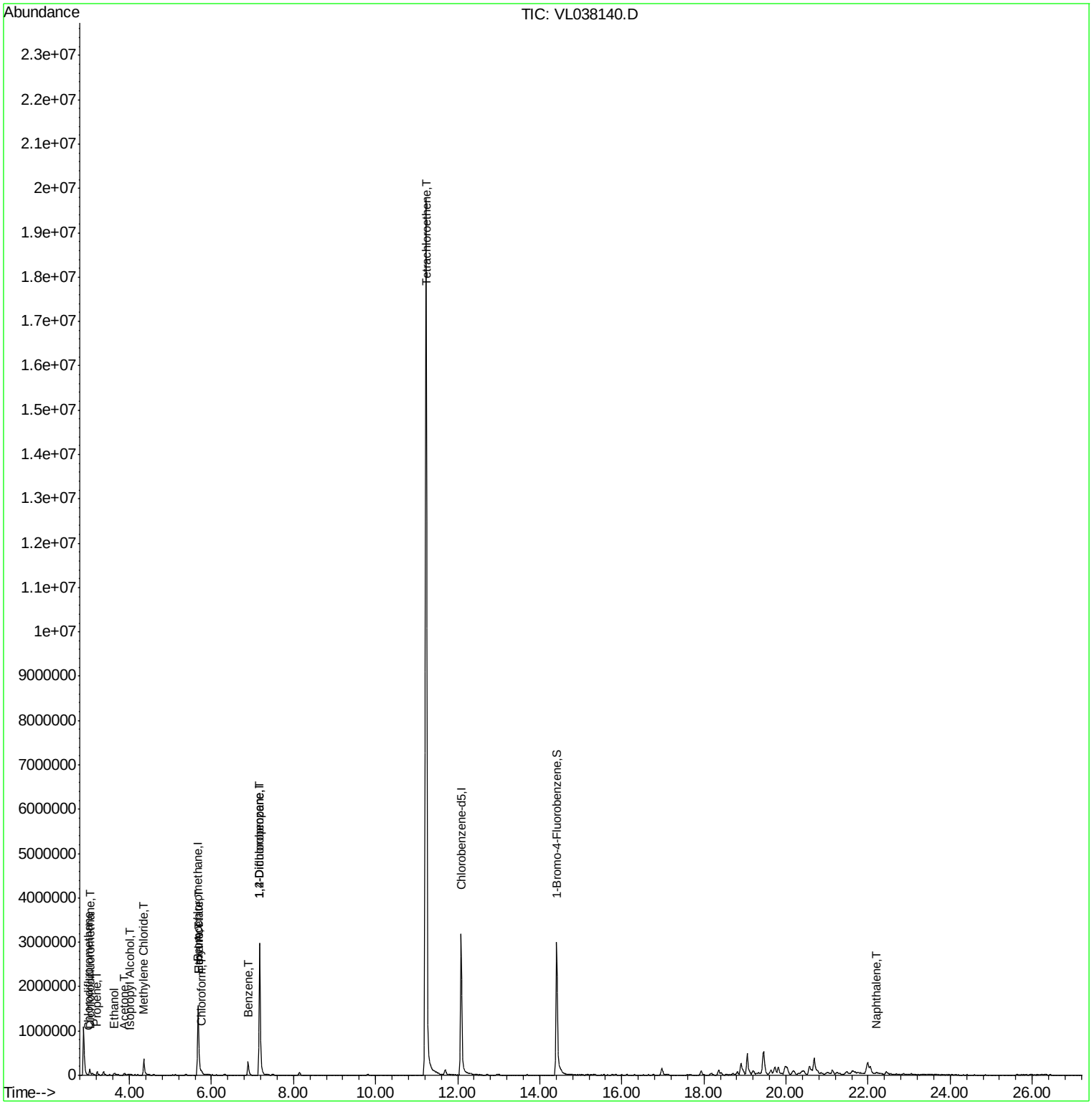
(#) = qualifier out of range (m) = manual integration (+) = signals summed

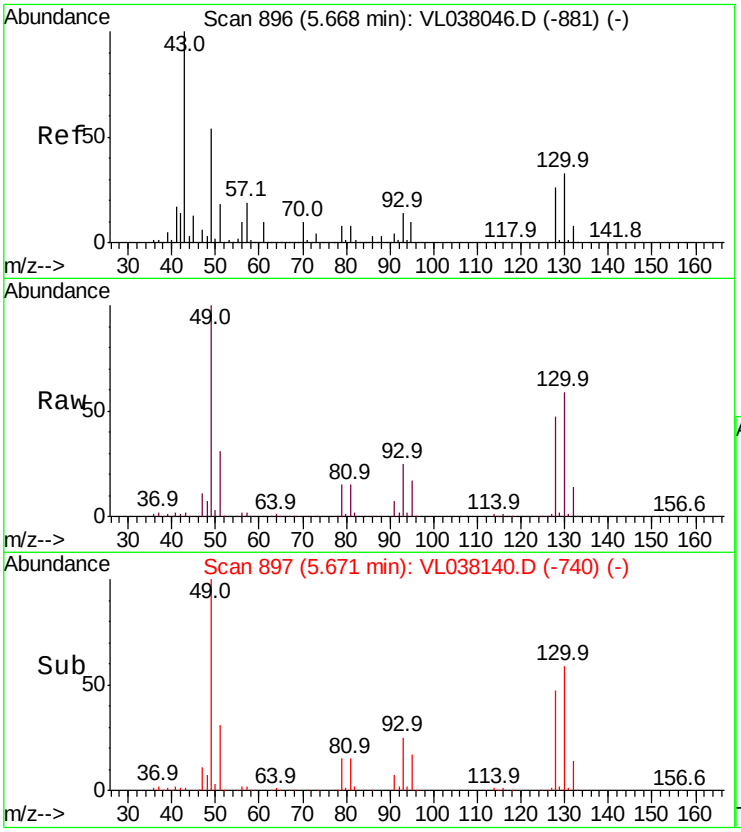
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112921\
Data File : VL038140.D
Acq On : 29 Nov 2021 18:14
Operator : SY/AP
Sample : M4827-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Quant Time: Nov 30 05:16:40 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration



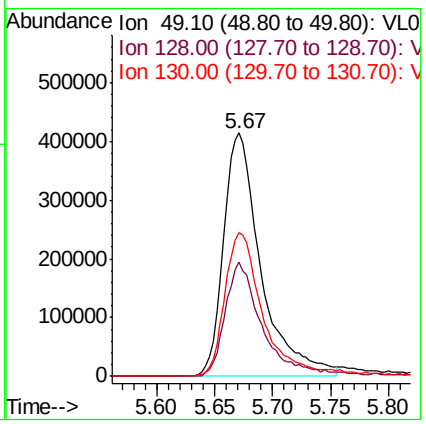


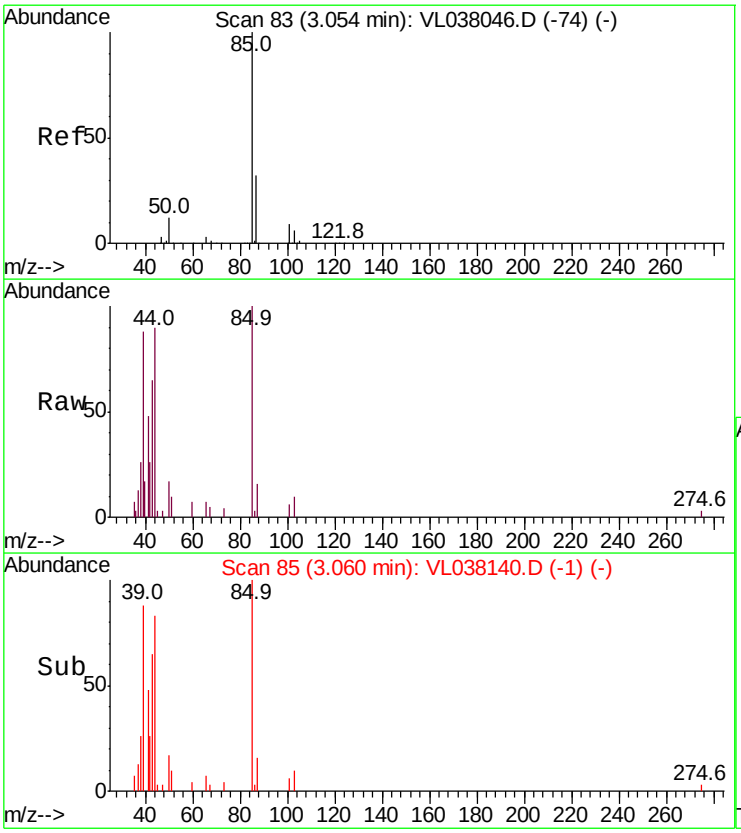

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 49 Resp: 926293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 48.4 | 26.5 | 79.5 |
| 130 | 62.8 | 32.5 | 97.4 |

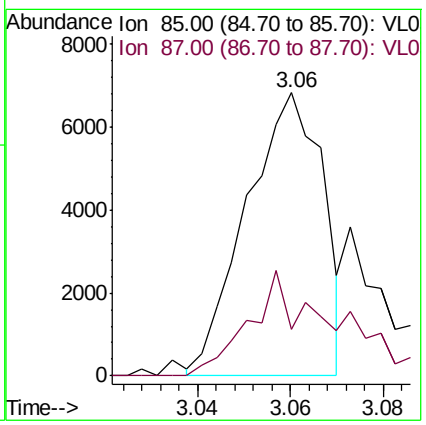


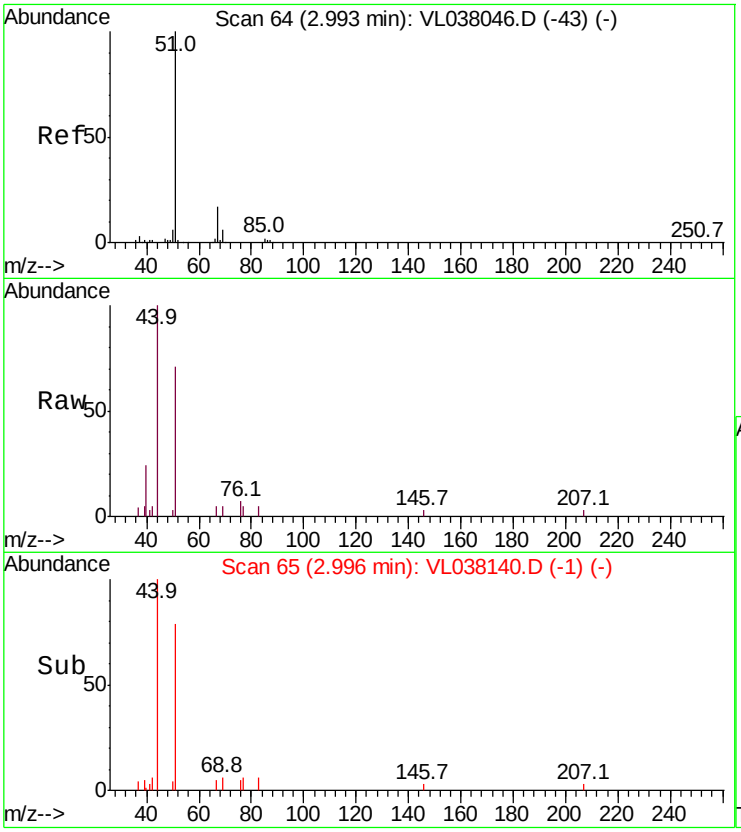




#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.01 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion: 85 Resp: 7862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 16.8 | 25.8 | 38.6# |



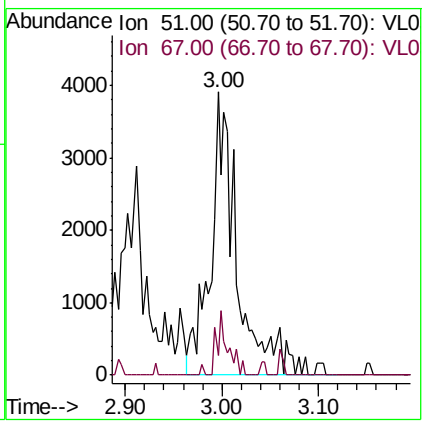


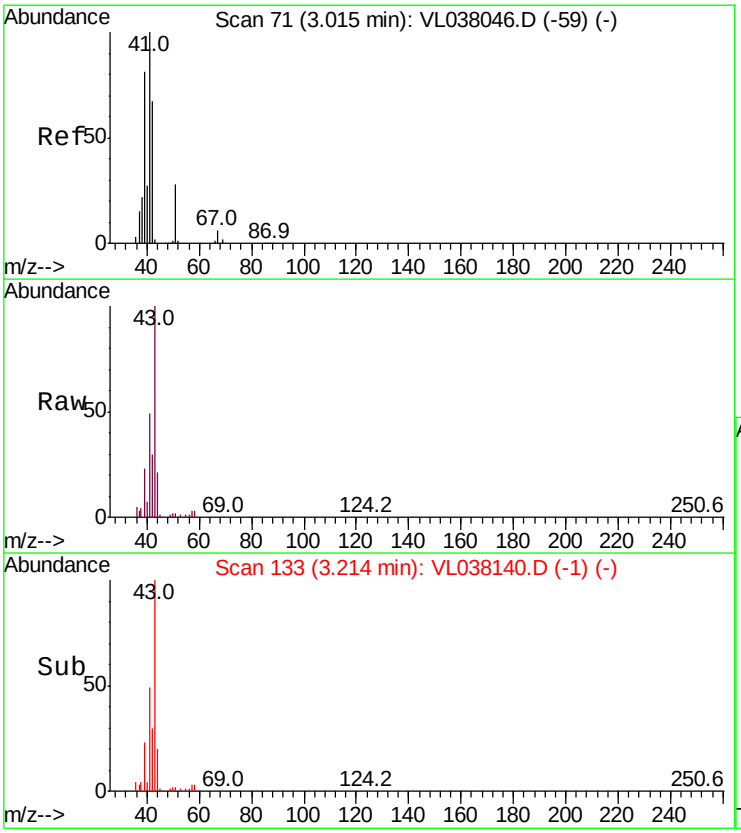

#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 51 Resp: 7524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 9.9 | 13.8 | 20.8# |

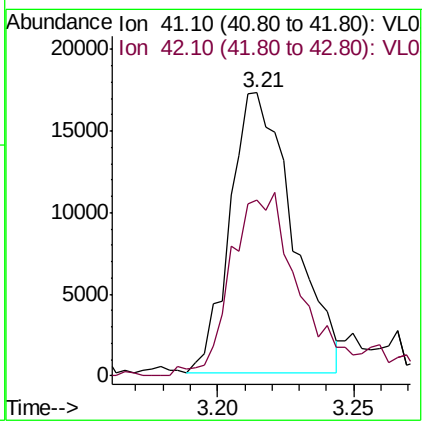


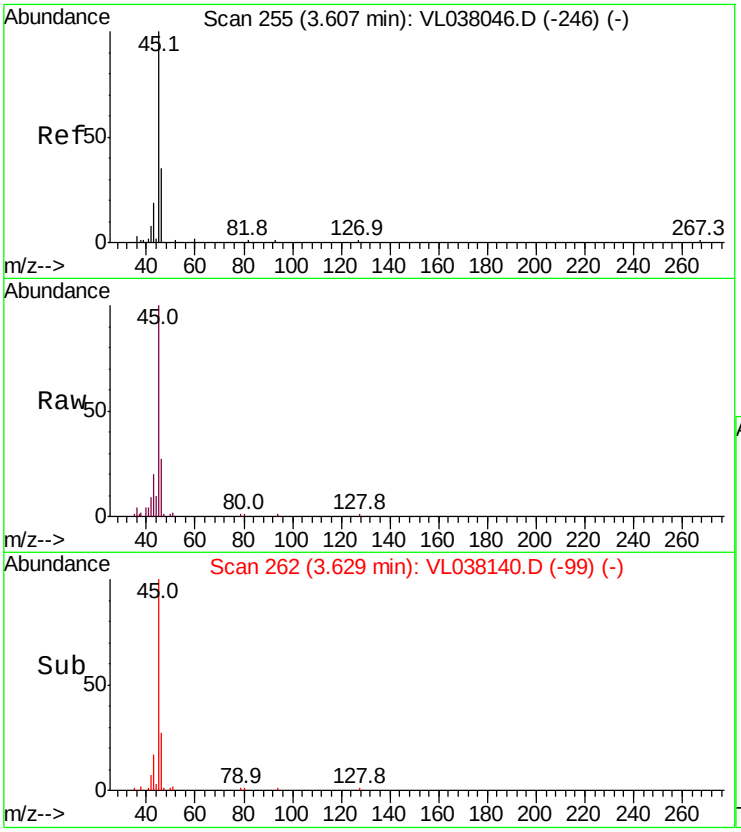




#9
Propene
Concen: 0.384 ppbv
RT: 3.21 min Scan# 133
Delta R.T. 0.20 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion: 41 Resp: 27506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 78.3 | 53.8 | 80.8 |



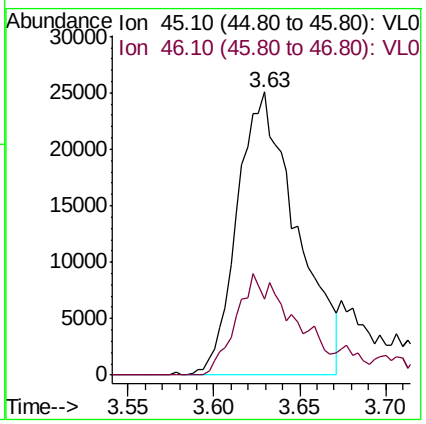


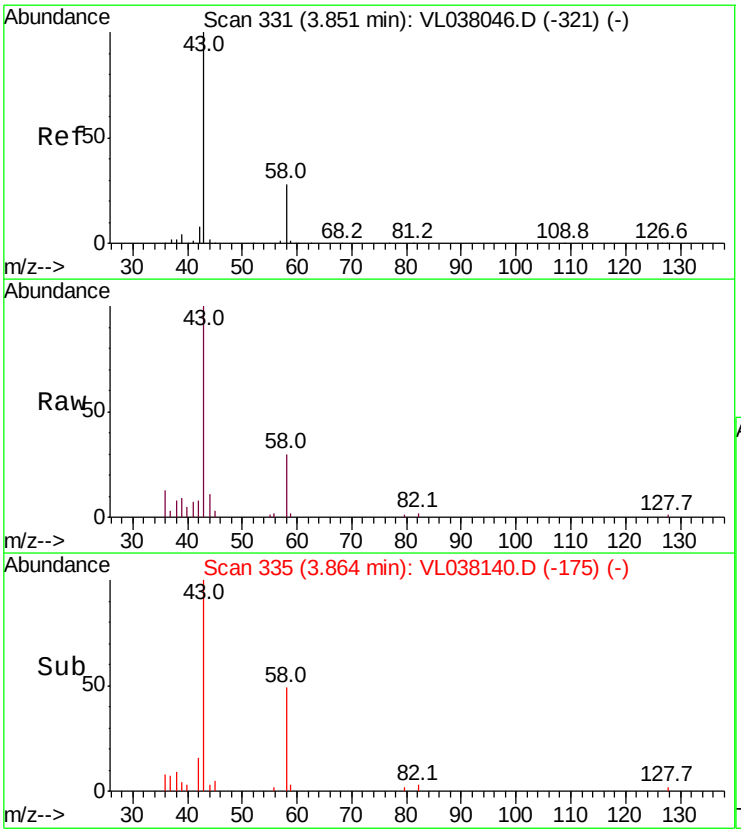

#13
Ethanol
Concen: 8.677 ppbv
RT: 3.63
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 45 Resp: 60071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 46.3 | 17.6 | 70.2 |

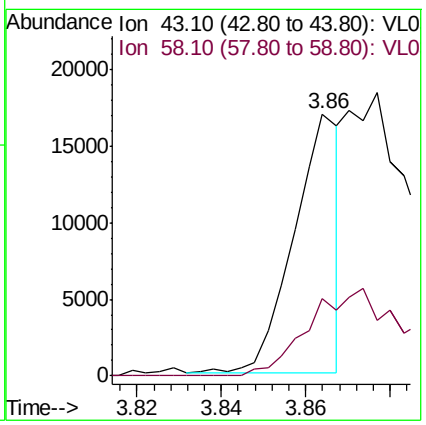


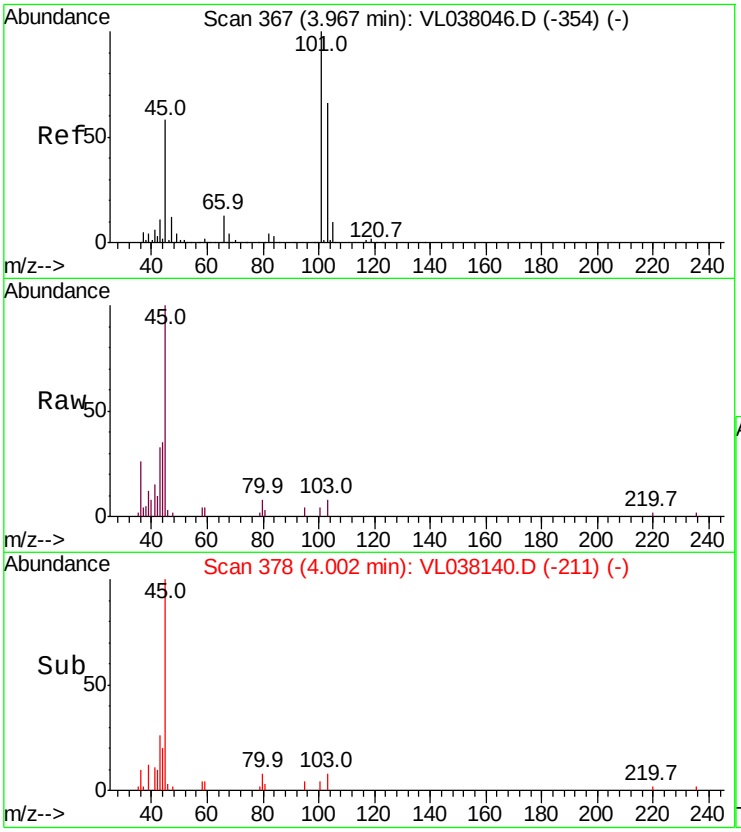




#15
Acetone
Concen: 0.158 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion: 43 Resp: 12689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 22.4 | 33.6# |



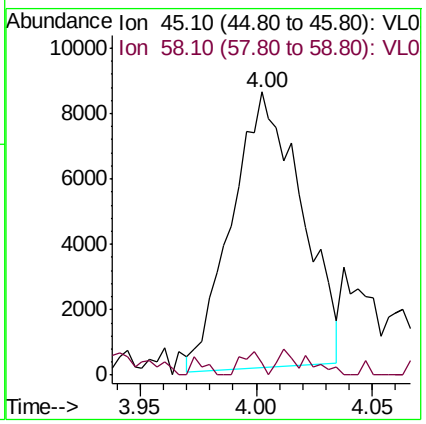


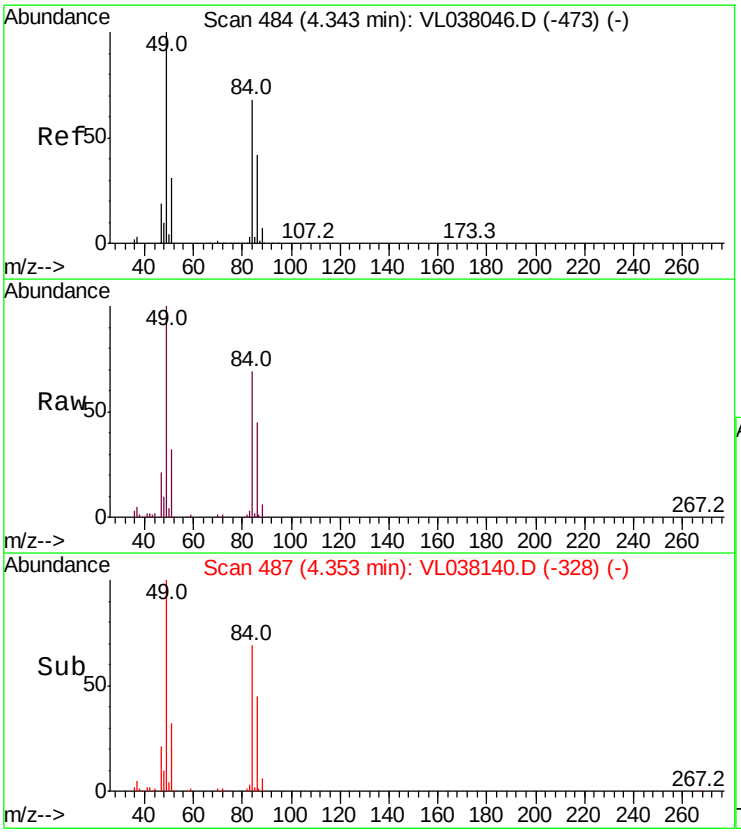

#19
Isopropyl Alcohol
Concen: 0.304 ppbv
RT: 4.00
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 45 Resp: 17653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 7.3 | 1.4 | 2.0# |

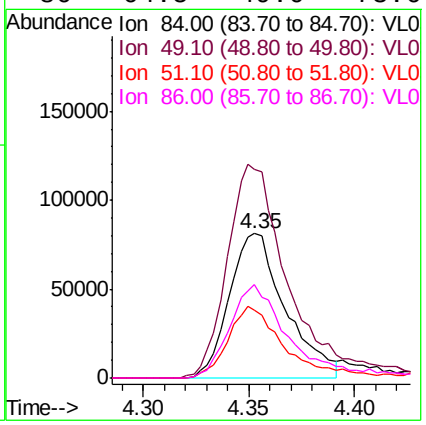


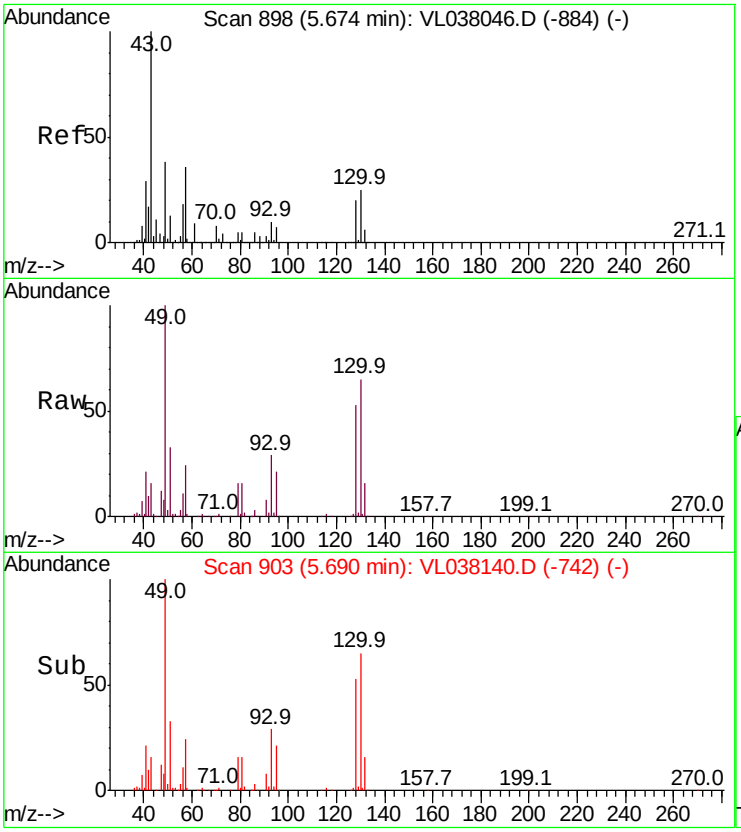




#20
Methylene Chloride
Concen: 3.345 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion: 84 Resp: 150465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 142.9 | 118.2 | 177.2 |
| 51 | 46.4 | 36.8 | 55.2 |
| 86 | 64.5 | 49.0 | 73.6 |



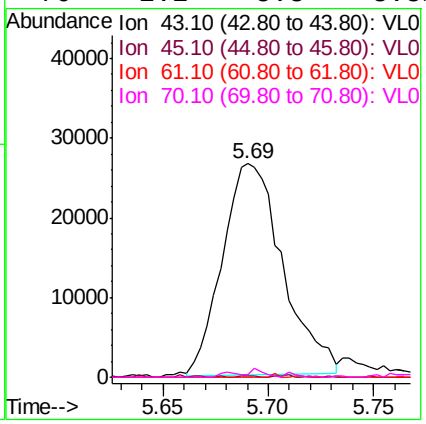


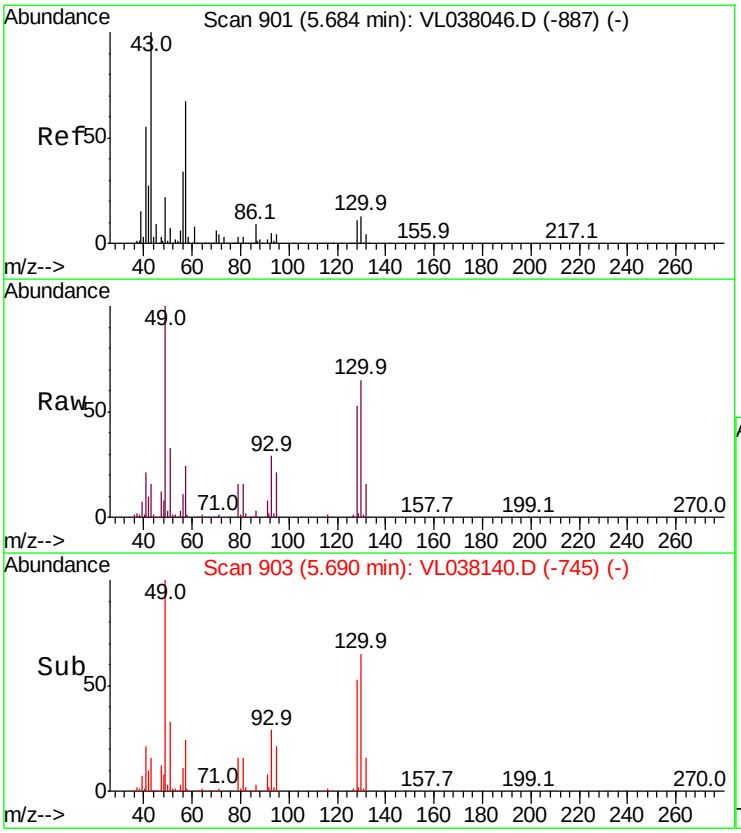

#25
Ethyl Acetate
Concen: 0.198 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 43 Resp: 52955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 0.8 | 7.9 | 11.9# |
| 61 | 0.3 | 7.8 | 11.6# |
| 70 | 2.2 | 5.8 | 8.8# |

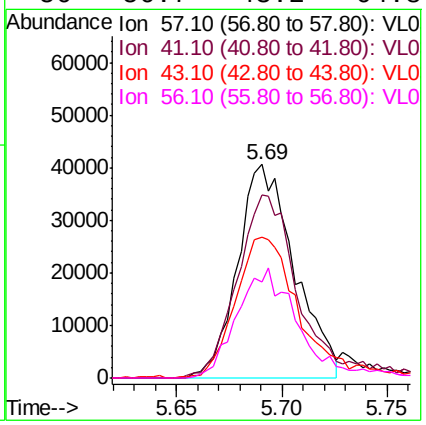


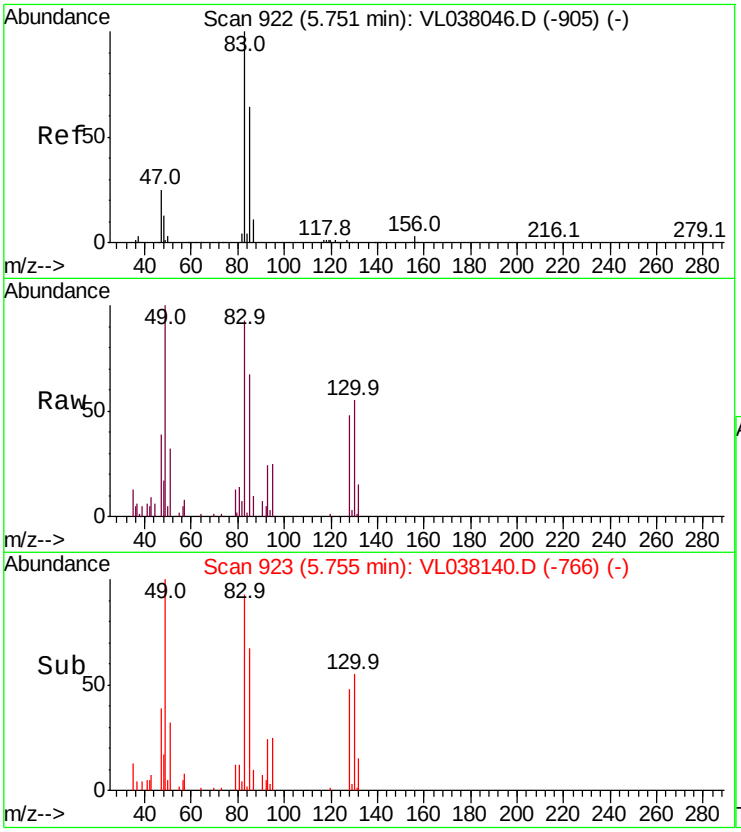




#26
Hexane
Concen: 0.592 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion: 57 Resp: 76194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 95.2 | 71.4 | 107.2 |
| 43 | 76.1 | 174.6 | 261.8# |
| 56 | 56.7 | 43.2 | 64.8 |



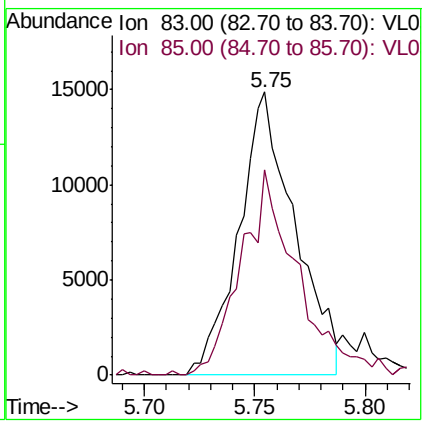


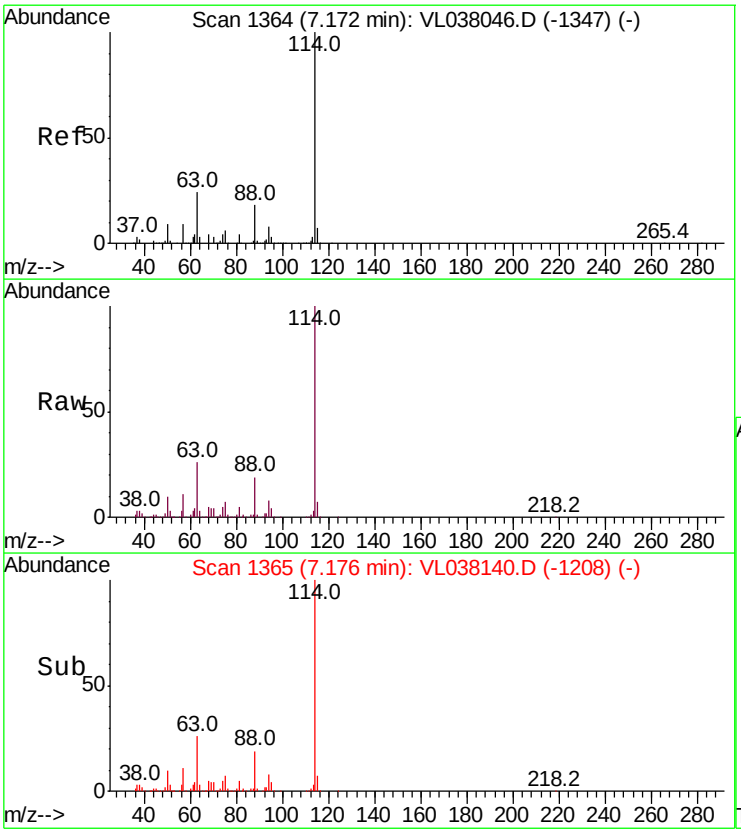

#29
Chloroform
Concen: 0.138 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 83 Resp: 26244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 72.3 | 51.0 | 76.6 |

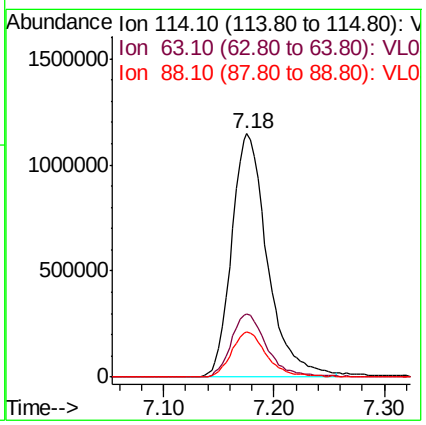


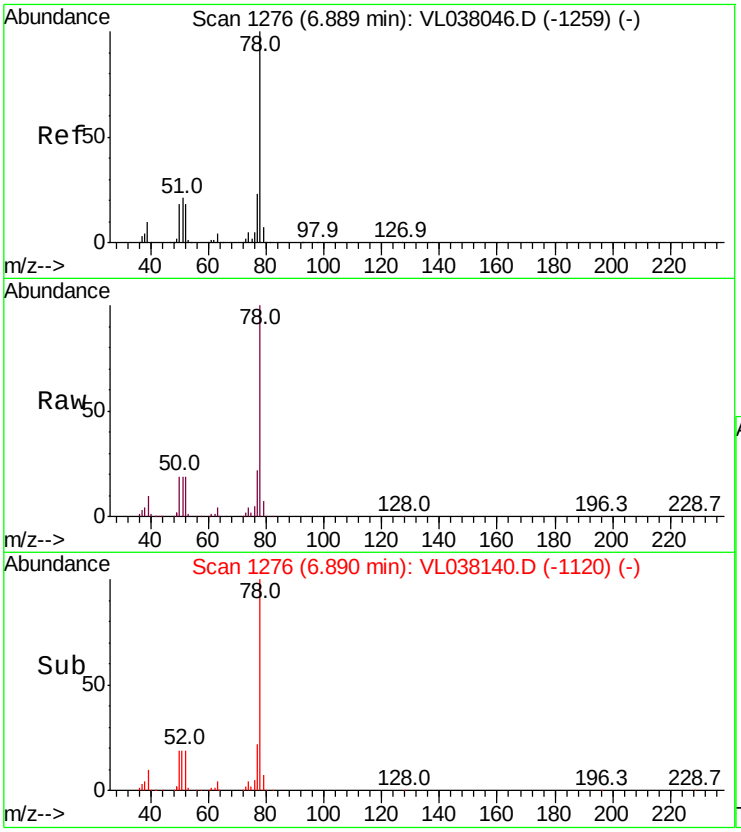




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion:114 Resp: 2576836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.3 | 19.7 | 29.5 |
| 88 | 18.9 | 14.4 | 21.6 |



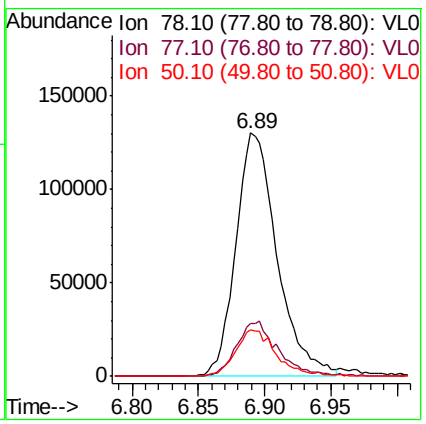


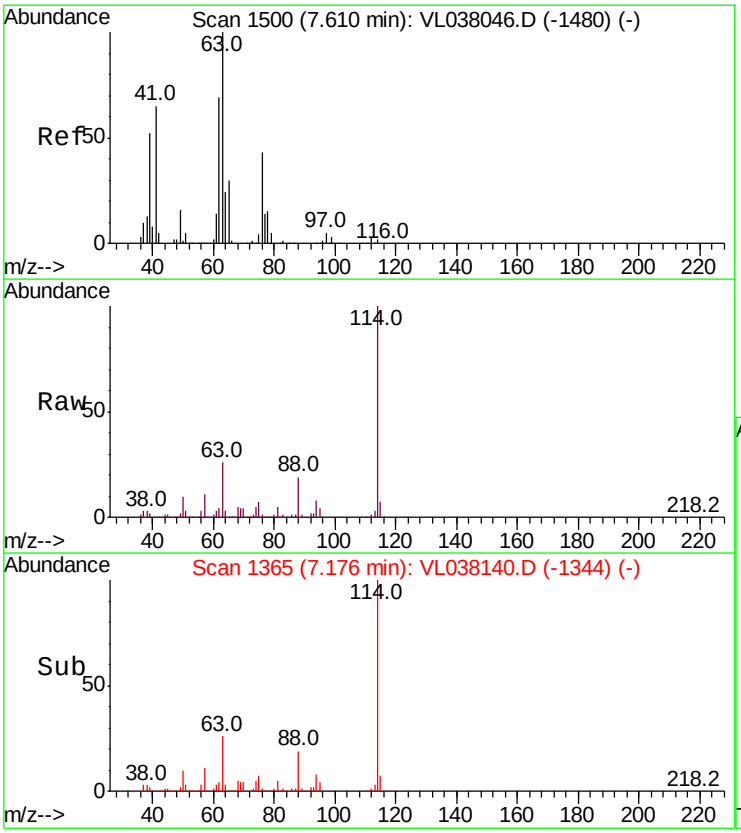

#36
Benzene
Concen: 1.096 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 78 Resp: 281652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.8 | 18.2 | 27.4 |
| 50 | 19.4 | 14.7 | 22.1 |

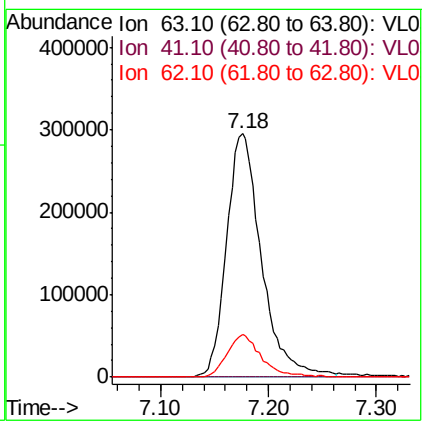


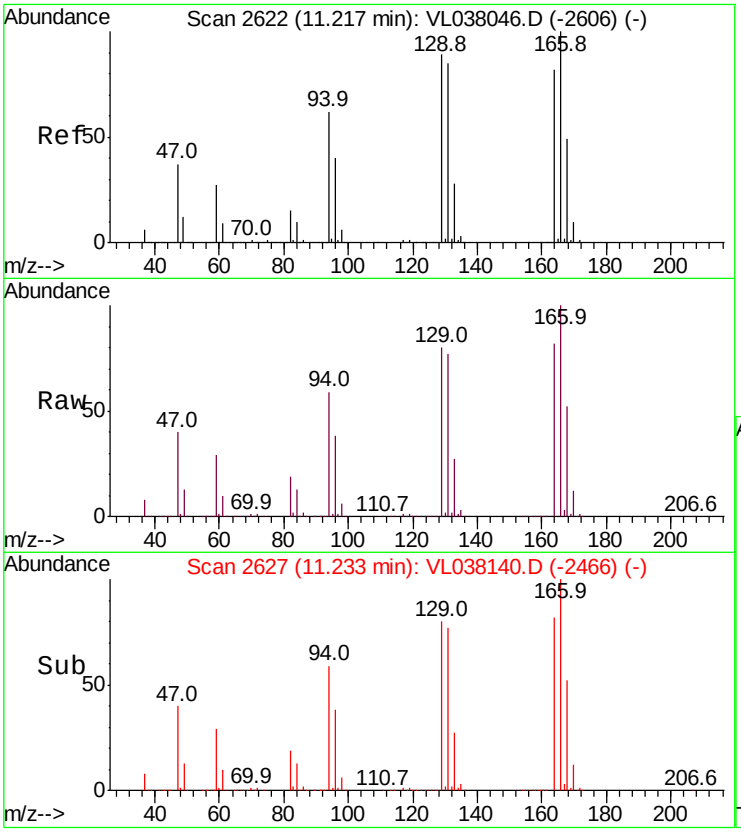




#39
1,2-Dichloropropane
Concen: 6.743 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.43 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion: 63 Resp: 664897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 52.3 | 78.5# |
| 62 | 17.3 | 55.1 | 82.7# |



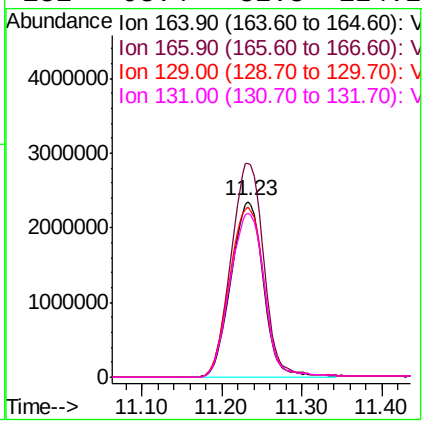


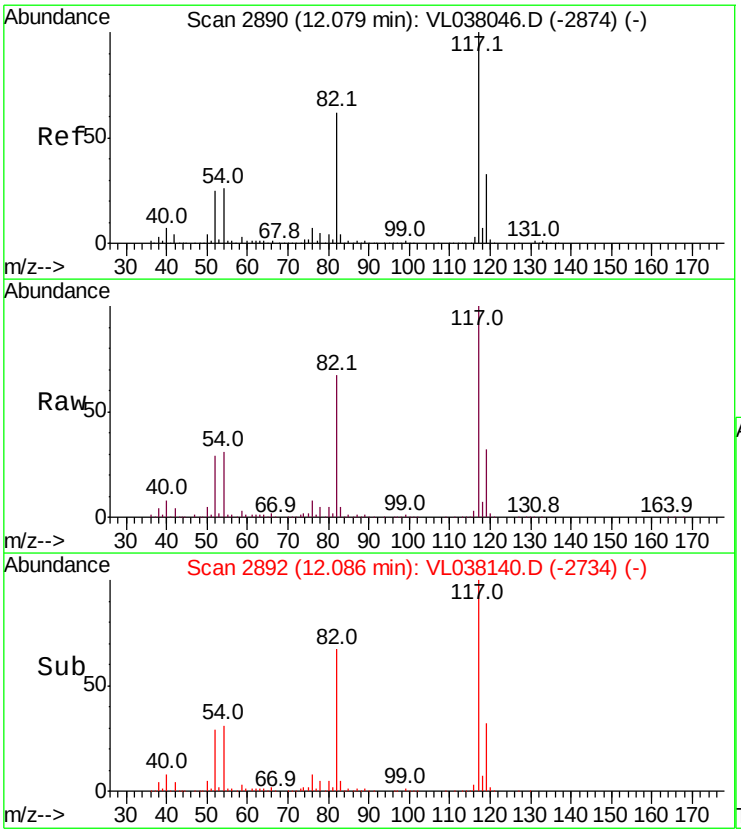

#52
Tetrachloroethene
Concen: 67.606 ppbv
RT: 11.23
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion:164 Resp: 6430024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 121.7 | 97.2 | 145.8 |
| 129 | 97.3 | 86.9 | 130.3 |
| 131 | 93.4 | 82.8 | 124.2 |

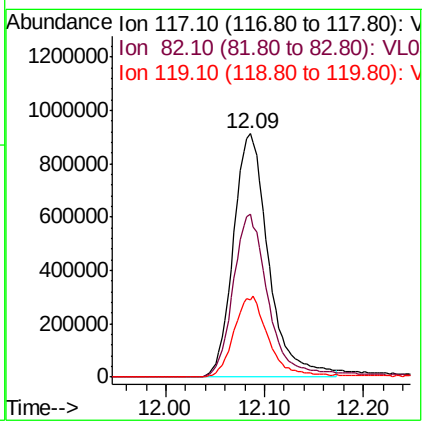


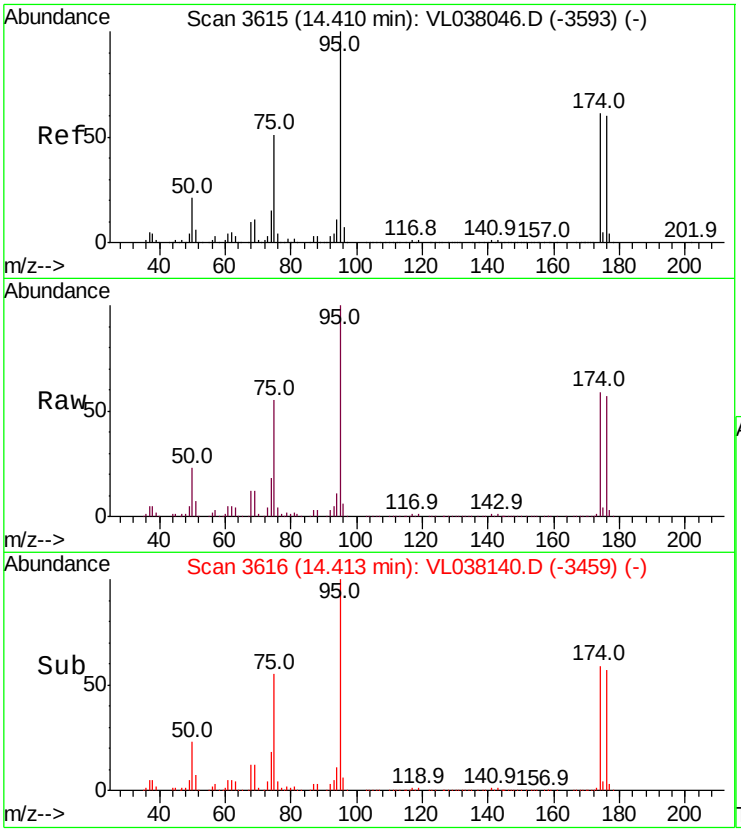




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.01 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion:117 Resp: 2260562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 69.7 | 52.8 | 79.2 |
| 119 | 33.6 | 26.8 | 40.2 |



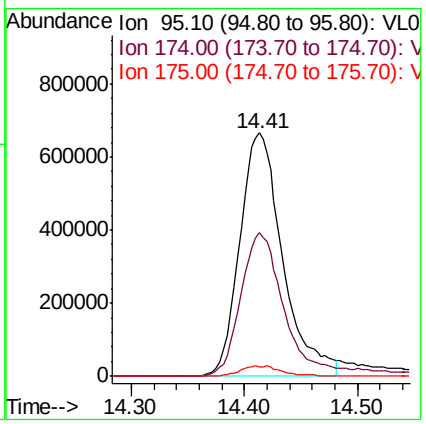


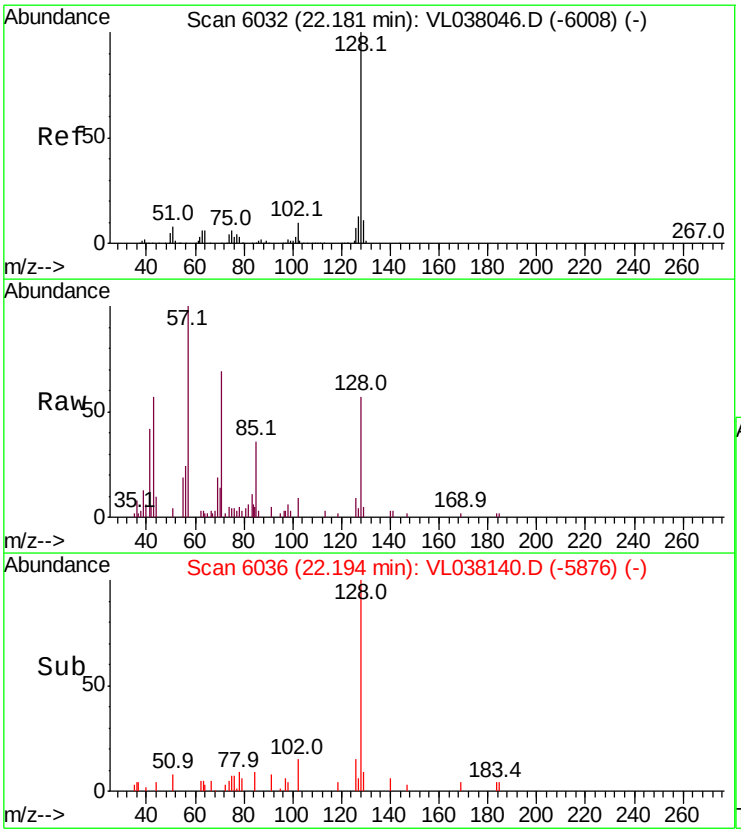

#68
1-Bromo-4-Fluorobenzene
Concen: 10.745 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 29 Nov 2021 18:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA-2DL

Tgt Ion: 95 Resp: 1752093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.2 | 53.1 | 79.7 |
| 175 | 4.4 | 4.0 | 6.0 |




#79
Naphthalene
Concen: 0.053 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.01 min
Lab File: VL038140.D
Acq: 29 Nov 2021 18:14

Tgt Ion:128 Resp: 8811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.4 | 15.6# |
| 129 | 10.1 | 8.9 | 13.3 |