Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
Data File : VL039016.D
Acq On : 10 May 2022 12:05
Operator : SY/AP
Sample : N2696-01DL2 200X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV1DL2

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 11 01:46:44 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May (
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Bromochloromethane | 5.642 | 49 | 1020907 | 10.000 | ppbv | -0.02 |
| 33) 1,4-Difluorobenzene | 7.143 | 114 | 2887323 | 10.000 | ppbv | -0.03 |
| 55) Chlorobenzene-d5 | 12.050 | 117 | 2526111 | 10.000 | ppbv | -0.03 |
| System Monitoring Compounds | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.375 | 95 | 1933960 | 9.667 | ppbv | -0.03 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 96.700% | | | |
| Target Compounds | | | | | | Qvalue |
| 9) Propene | 3.002 | 41 | 23275 | 0.421 | ppbv | 87 |
| 10) Heptane | 8.092 | 43 | 834523 | 6.149 | ppbv | 100 |
| 13) Ethanol | 3.597 | 45 | 12662m | 3.234 | ppbv | |
| 15) Acetone | 3.854 | 43 | 27830m | 0.289 | ppbv | |
| 20) Methylene Chloride | 4.327 | 84 | 35644 | 0.982 | ppbv # | 86 |
| 26) Hexane | 5.664 | 57 | 92749 | 0.906 | ppbv # | 40 |
| 59) m/p-Xylene | 12.931 | 91 | 46959m | 0.151 | ppbv | |

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

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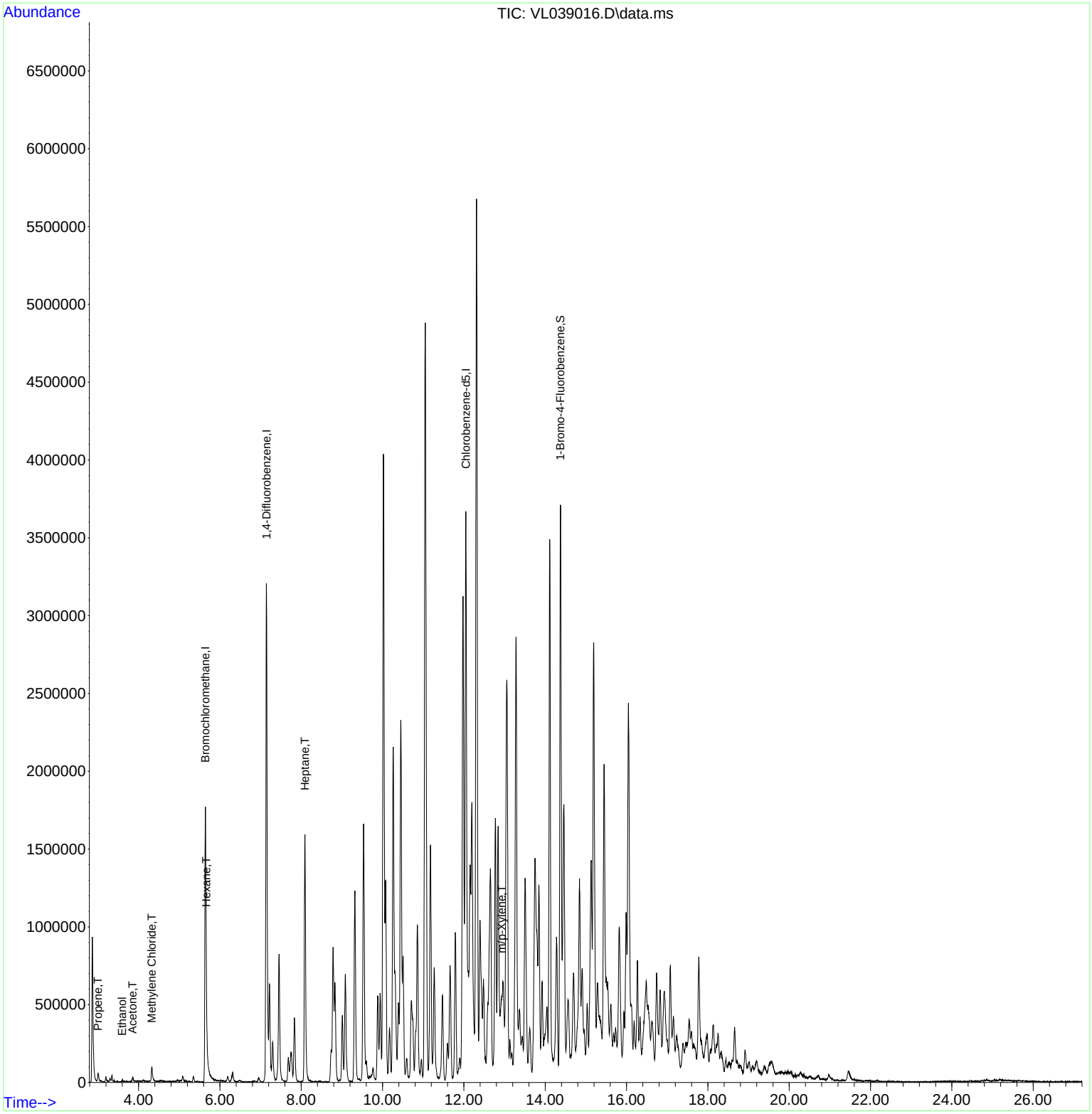
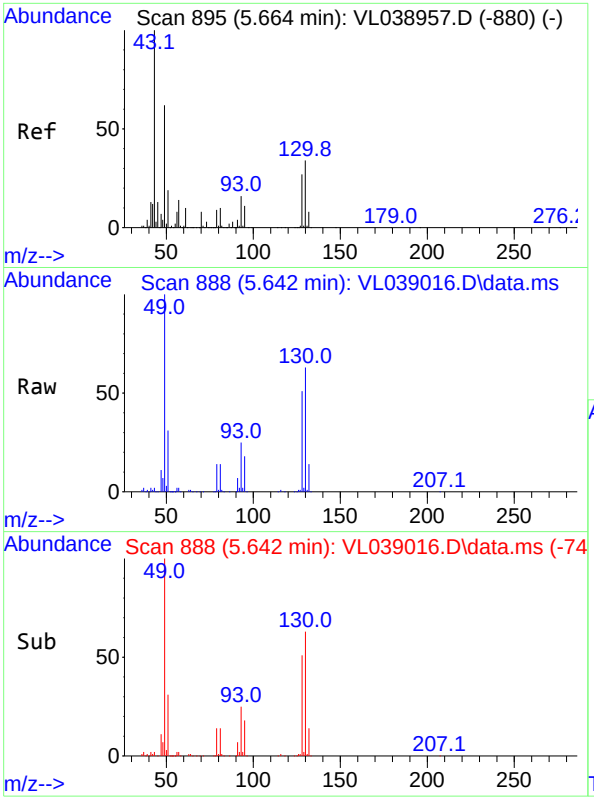
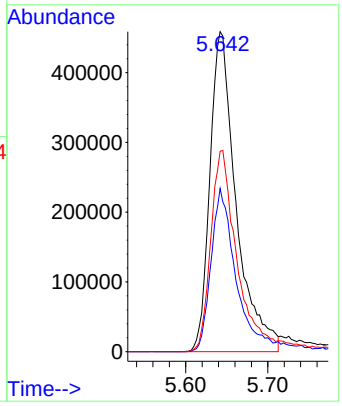





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.642 min Scan# 8
Delta R.T. -0.023 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 49 Resp: 102090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 51.5 | 23.3 | 69.8 |
| 130 | 66.8 | 29.8 | 89.3 |

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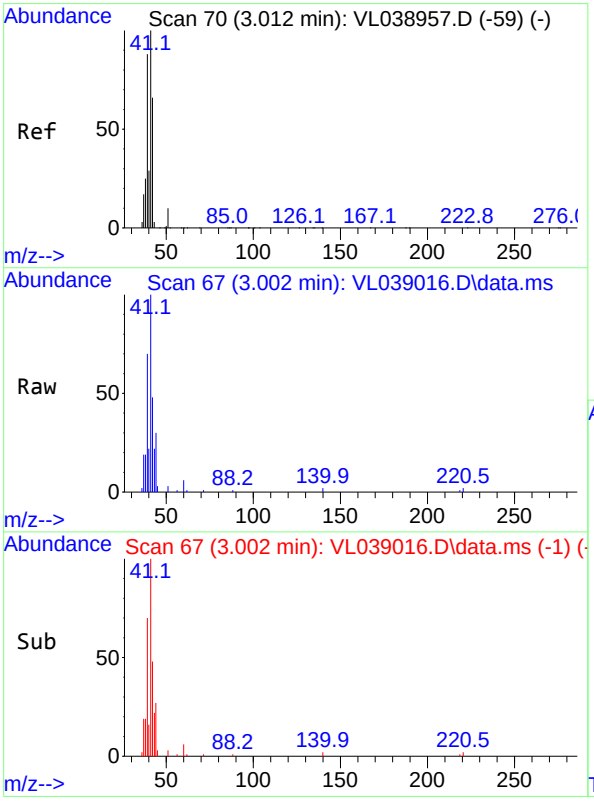
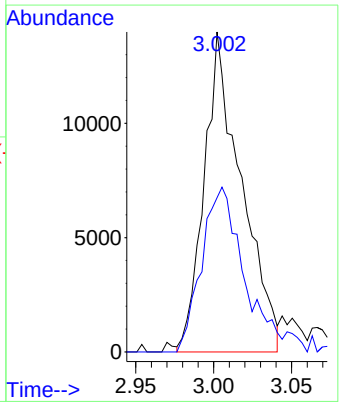
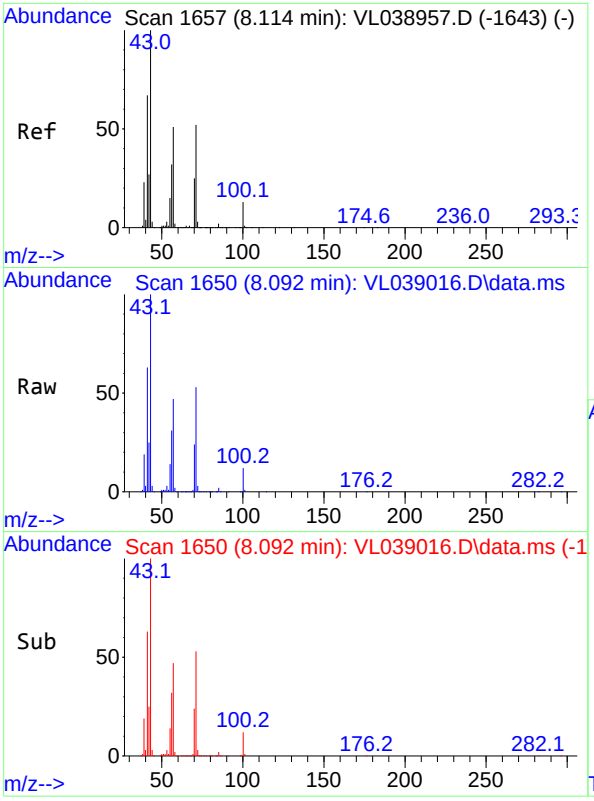



#9
Propene
Concen: 0.421 ppbv
RT: 3.002 min Scan# 67
Delta R.T. -0.010 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 41 Resp: 23275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 61.8 | 58.3 | 87.5 |






#10
Heptane
Concen: 6.149 ppbv
RT: 8.092 min Scan# 1
Delta R.T. -0.023 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 43 Resp: 83452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 50.6 | 40.5 | 60.7 |

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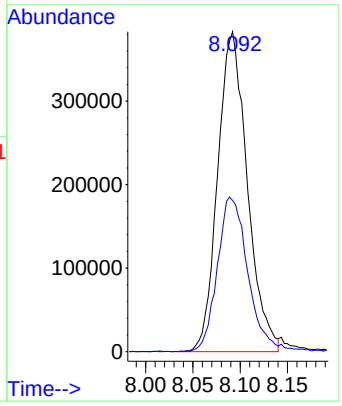
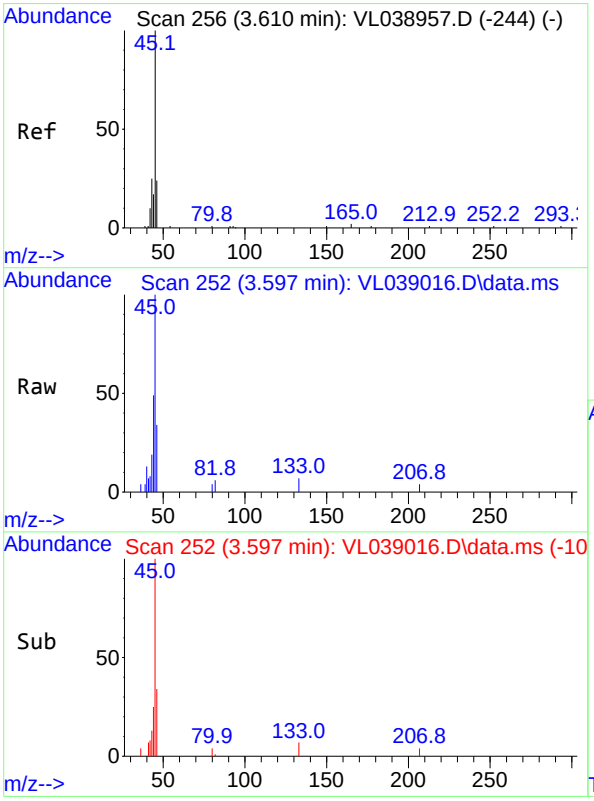
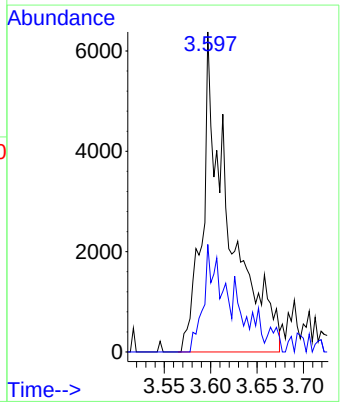


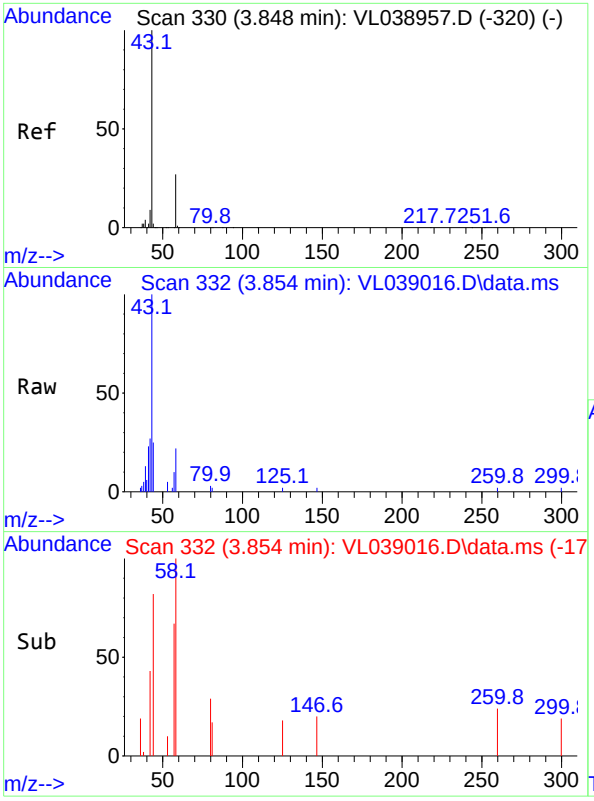




#13
Ethanol
Concen: 3.234 ppbv m
RT: 3.597 min Scan# 252
Delta R.T. -0.013 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 45 Resp: 12662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 38.2 | 18.0 | 72.2 |






#15
Acetone
Concen: 0.289 ppbv m
RT: 3.854 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 43 Resp: 2783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 21.3 | 31.9# |

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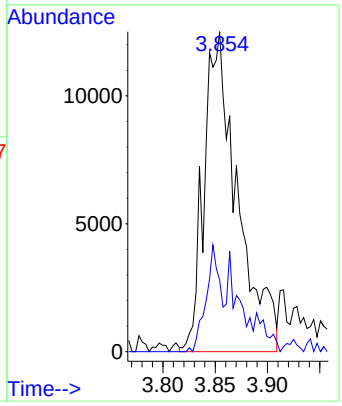
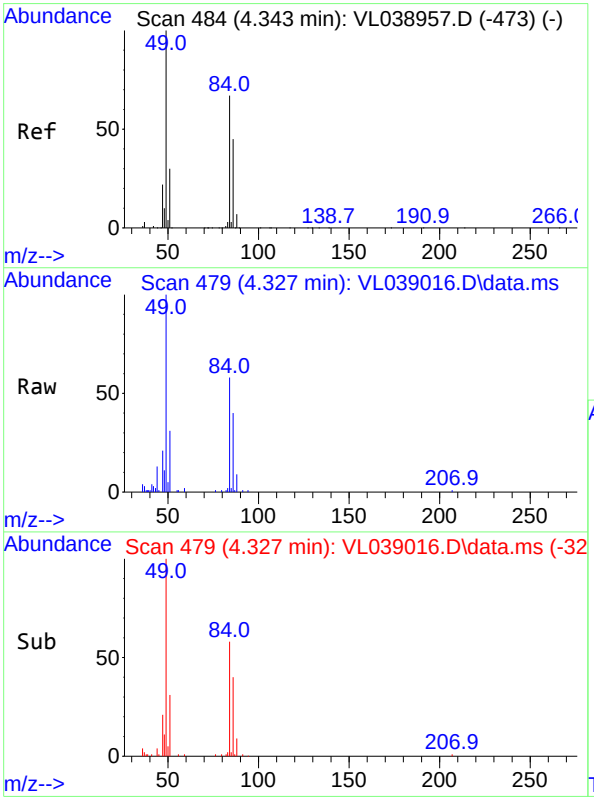
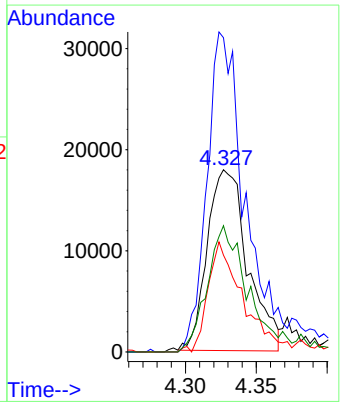


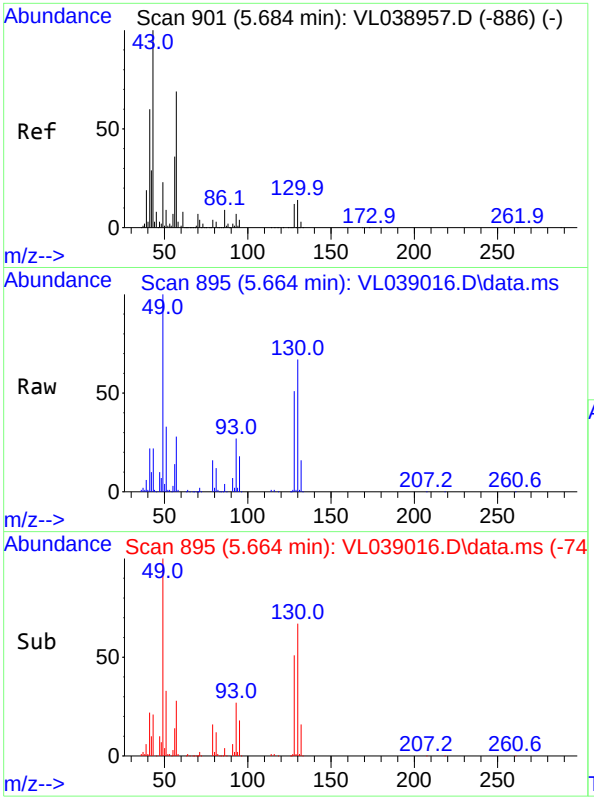




#20
Methylene Chloride
Concen: 0.982 ppbv
RT: 4.327 min Scan# 479
Delta R.T. -0.016 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 84 Resp: 35644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 174.2 | 119.9 | 179.9 |
| 51 | 53.7 | 35.7 | 53.5# |
| 86 | 70.0 | 53.8 | 80.6 |

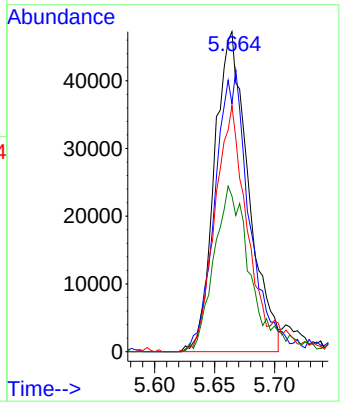





#26
Hexane
Concen: 0.906 ppbv
RT: 5.664 min Scan# 8
Delta R.T. -0.019 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 57 Resp: 9274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 91.8 | 75.2 | 112.8 |
| 43 | 77.7 | 190.8 | 286.2 |
| 56 | 58.1 | 43.0 | 64.6 |

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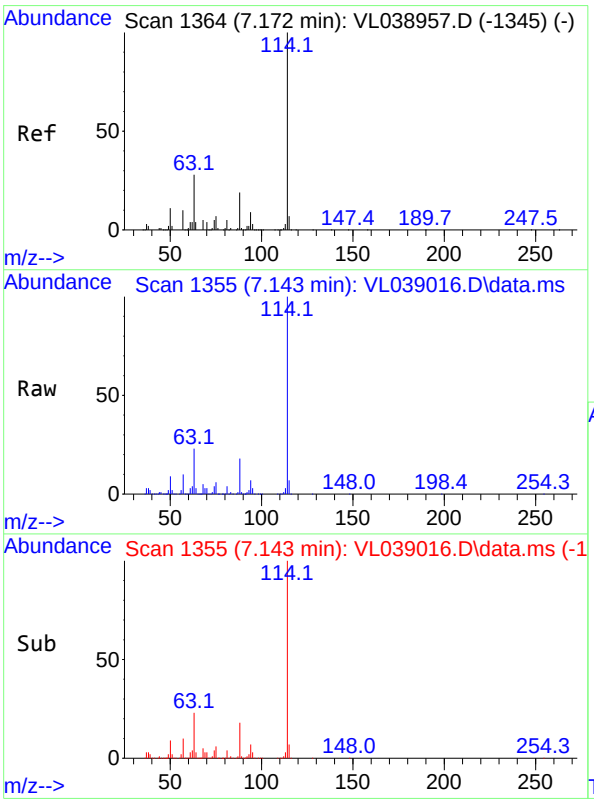
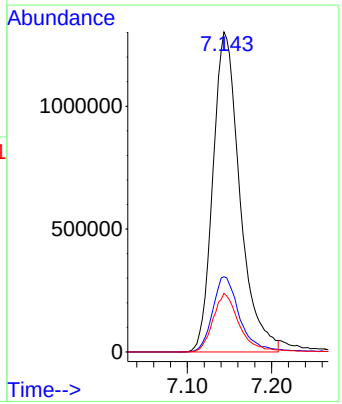
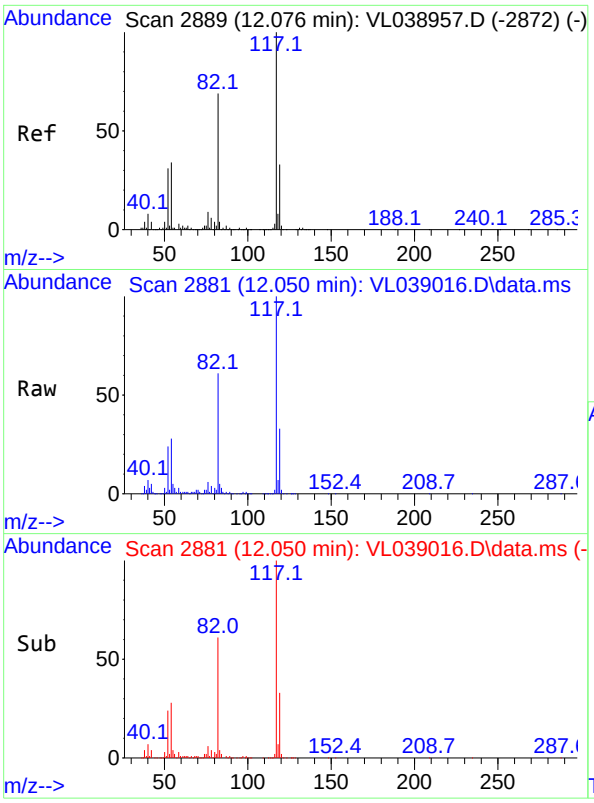



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.143 min Scan# 1355
Delta R.T. -0.029 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion:114 Resp: 2887323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.9 | 22.6 | 33.8 |
| 88 | 18.1 | 15.4 | 23.0 |

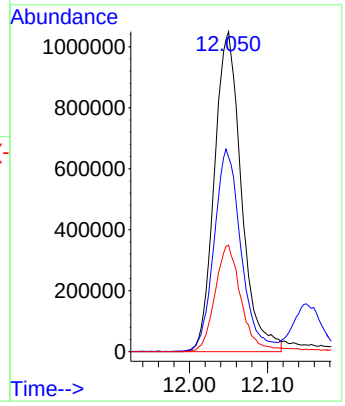





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.050 min Scan# 2
Delta R.T. -0.026 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion:117 Resp: 252611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 62.9 | 57.0 | 85.6 |
| 119 | 33.5 | 27.2 | 40.8 |

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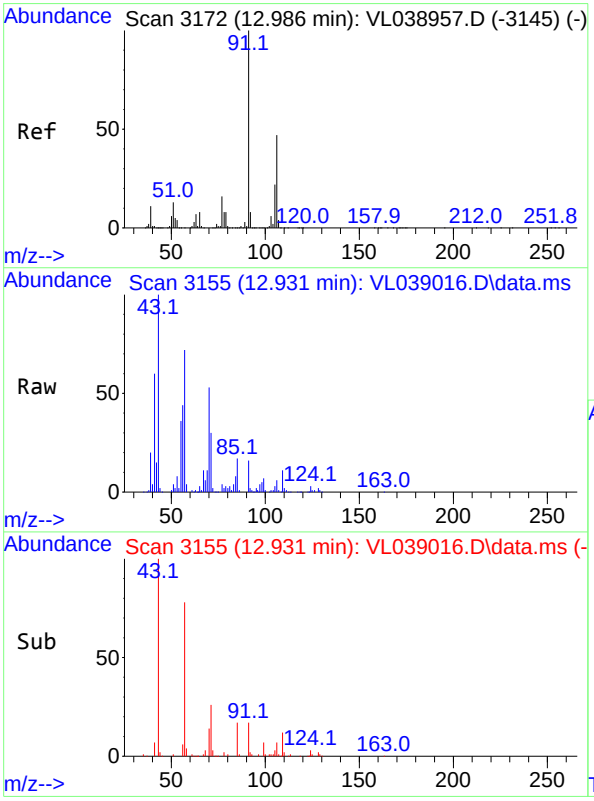
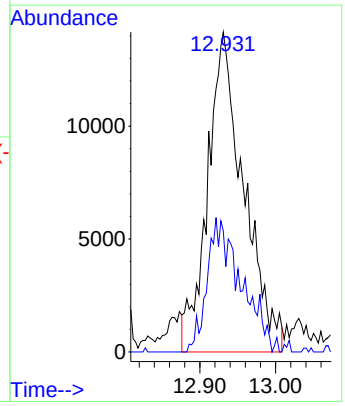
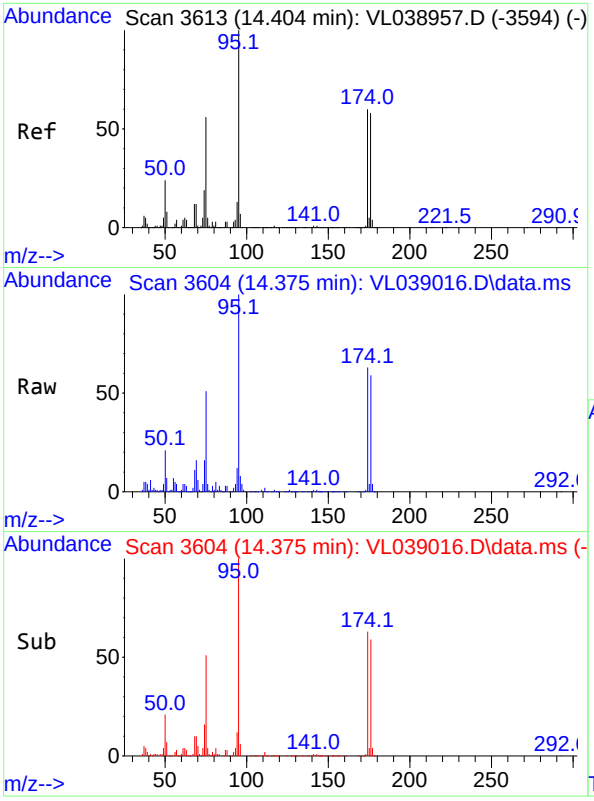



#59
m/p-Xylene
Concen: 0.151 ppbv m
RT: 12.931 min Scan# 3155
Delta R.T. -0.055 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 91 Resp: 46959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 34.6 | 52.0# |

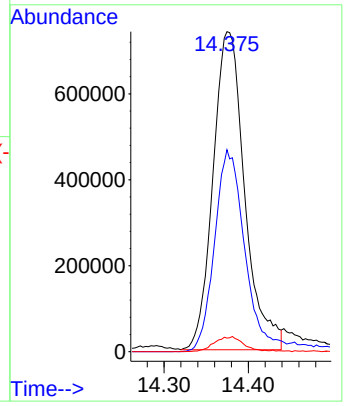





#68
1-Bromo-4-Fluorobenzene
Concen: 9.667 ppbv
RT: 14.375 min Scan# 3
Delta R.T. -0.029 min
Lab File: VL039016.D
Acq: 10 May 2022 12:05

Tgt Ion: 95 Resp: 193396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.4 | 50.8 | 76.2 |
| 175 | 4.5 | 3.8 | 5.6 |

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